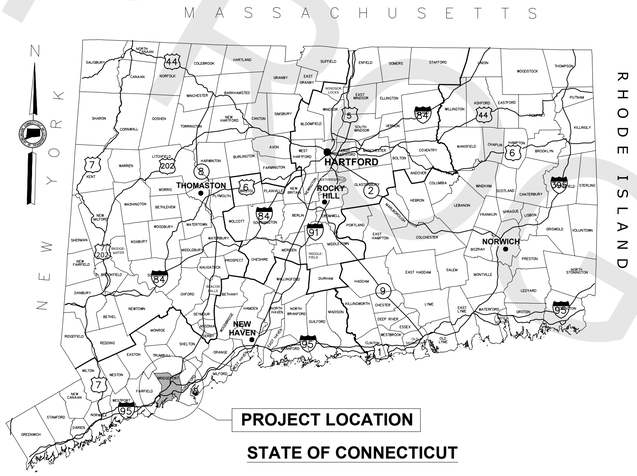
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT



PLANS FOR

RESILIENT BRIDGEPORT
NATIONAL DISASTER RESILIENCE
FLOOD RISK REDUCTION PROJECT
STATE PROJECT NUMBER 15-384

JANUARY 2022

GENERAL NOTES

THE DOCUMENT ENTITLED "STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 818, 2020" INCLUDING THE SUPPLEMENTAL SPECIFICATIONS DATED JANUARY 2021 IS HEREBY MADE PART OF THIS CONTRACT, AS MODIFIED BY THE SPECIAL PROVISIONS CONTAINED HEREIN.

ALL ELEVATIONS IN THIS PROJECT ARE BASED ON NAVD OF 1988.

COORDINATES ARE BASED ON CONNECTICUT COORDINATE SYSTEM NAD 83.

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM THE OFFICIAL SOURCES WITHIN THE DEPARTMENT.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANT MEANS ARE NOT AUTHORIZED BY THE DEPARTMENT TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICAL INCOMPLETE AND/OR INACCURATE INFORMATION.

LIST OF SUBSETS

SUBSET NUMBER	DESCRIPTION
01	TITLE SHEET
02	INDEX PLAN
03	GENERAL NOTES
04	TYPICAL SECTIONS
05	MISCELLANEOUS DETAILS
06	DEMOLITION AND REMOVAL
07	NOT USED
08	BASELINE LAYOUT PLANS
09	GENERAL ROADWAY PLANS
10	PROFILES
11	DRAINAGE PLANS
12	GRADING PLANS
13	SIGNING AND PAVEMENT MARKING PLANS
14	LANDSCAPE AND HARDSCAPE
15	ILLUMINATION PLANS
16	COASTAL FLOOD DEFENSE SYSTEM PLANS
17	MAINTENANCE AND PROTECTION OF TRAFFIC PLANS
18	CROSS SECTION PLANS
19	STRUCTURAL PLANS
20	PUMP STATION PLANS
	CTDOT HIGHWAY STANDARDS
	CTDOT TRAFFIC STANDARDS

LOCATION PLAN
N.T.S.

STANDARD CONVENTIONS

Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Granite Curb
Guide Rail
Concrete Median Barrier
Bit. Walk
Conc. Sidewalk
Railroad Tracks
Chain Link Fence
Rustic Fence
Pipe Fence
Board Fence
Water Edge
Stream
Ditch
TOWN LINE
Limit Of Marsh
LANDSCAPING
Stone Wall
Ledge Outcrop
Inland Wetland Limits
STATE LINE
Power Line
Swamp
Building
Transmission Tower
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deciduous Tree
Retaining Wall
Highway Line
Street Line
Property Line
Lot Line
Easement Line

ABBREVIATIONS:

AOBE AS ORDERED BY ENGINEER
BCPC BITUMINOUS CONCRETE PARK CURBING
CPC CONCRETE PARK CURBING
CGR CABLE GUIDE RAIL
ECM EROSION CONTROL MATTING
O/H OVERHEAD
OED OUTLET FOR EDGEDRAIN
PED PAVEMENT EDGEDRAIN
PCTC PRECAST CONCRETE TRANSITION CURB
RPW ROADWAY PARAPET WALL
SCS SEDIMENTATION CONTROL SYSTEM
PCBC PRECAST CONCRETE BARRIER CURB
TPCBC TEMPORARY PRECAST CONC. BARRIER CURB

PREPARATION OF PLANS

FIRM	DISIPLINE
WSP USA INC.	SUBSETS 01 - 13, SUBSETS 15, 17-19
WAGGONNER & BALL ARCHITECTS	SUBSET 14
ARCADIS	SUBSET 16, SUBSET 20

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
NOT TO SCALE

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: TITLE SHEET

PROJECT NO. 15-384
DRAWING NO. TSH-01
SHEET NO. **01.01**

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DATE/TIME = Jan 25, 2022 - 7:22am

02 - INDEX PLAN
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
02.01	INDEX PLAN INDEX OF DRAWINGS		
02.02	INDEX PLAN		

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: INDEX PLAN INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. IND-00

SHEET NO. **02.01**

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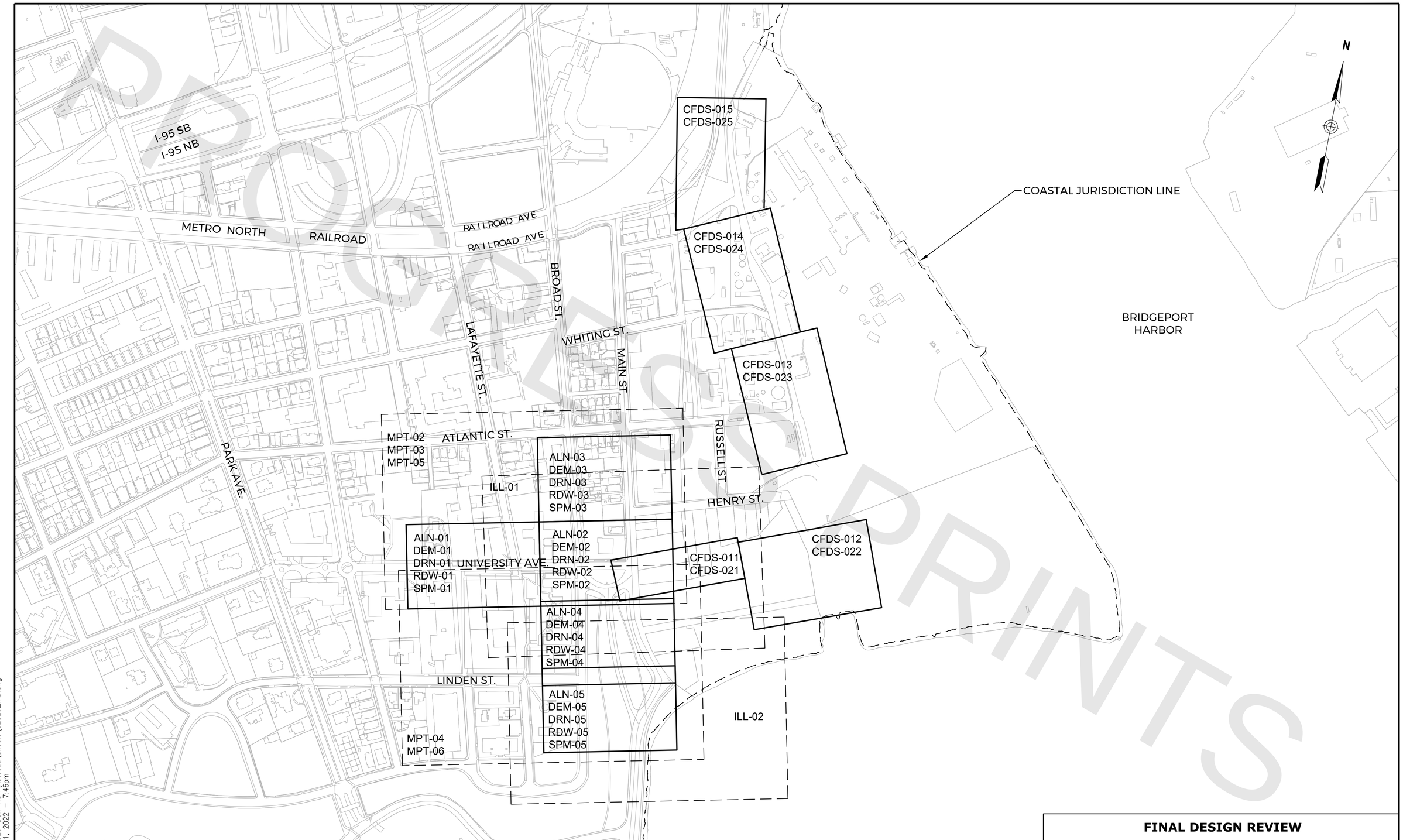

POSTED PRINTS

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: MD

CHECKED BY: BB

SCALE IN FEET
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SCALE 1"=200'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: INDEX PLAN

PROJECT NO. 15-384

DRAWING NO. IND-01

SHEET NO. **02.02**

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03 - GENERAL NOTES
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
03.01	GENERAL NOTES INDEX OF DRAWINGS		
03.02	GENERAL NOTES		

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: GENERAL NOTES INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. GEN-00

SHEET NO. **03.01**

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DATE/TIME = Jan 24, 2022 - 7:37pm

GENERAL

1. COASTAL JURISDICTION LINE INFORMATION WAS OBTAINED FROM CTDEEP.
2. WORK UNDER THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE "STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 818, 2020" AS SUPPLEMENTED THROUGH JANUARY 2021" ("CTDOT FORM 818") AND SPECIAL PROVISIONS.
3. ALL DIMENSIONS AND ELEVATIONS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE SUBMISSION OF WORKING DRAWINGS, PROCUREMENT OF MATERIALS AND START OF CONSTRUCTION. ALL ADJUSTMENTS SHALL BE REVIEWED BY THE ENGINEER.
4. THE CONTRACTOR SHALL IDENTIFY, LOCATE, AND PROTECT ALL EXISTING BOUNDS, MONUMENTS, AND BENCHMARKS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER BEFORE ANY DISTURBANCE OR RELOCATION.
5. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ADEQUATE SIGHT DISTANCE FOR ALL DRIVEWAYS AND OTHER ACCESS POINTS DURING CONSTRUCTION.
6. THE CONTRACTOR SHALL PROPOSE CONSTRUCTION ENTRANCES TO THE ENGINEER FOR APPROVAL BEFORE THE START OF ANY CLEARING OPERATION. ANTI-TRACKING PADS IN ACCORDANCE WITH SECTION 2.11 SHALL BE GRADED TO PREVENT RUNOFF FROM ENTERING THE ROADWAY. LOCATION OF ANTI-TRACKING PADS IS SUBJECT TO APPROVAL BY THE ENGINEER. SEE MISCELLANEOUS DETAILS FOR ADDITIONAL INFORMATION.
7. ALL SLOPES, TEMPORARY OR PERMANENT, SHALL RECEIVE TURF ESTABLISHMENT OR EROSION CONTROL MATTING IN ACCORDANCE WITH SECTION 9.50 AND/OR SLOPE PROTECTION IN CONFORMANCE WITH SECTION 2.10 WATER POLLUTION CONTROL (SOIL EROSION) OF CTDOT FORM 818 OR AS STATED IN THE CONTRACT DOCUMENTS.
8. REFER TO SECTION 1.08 "PROSECUTION AND PROGRESS" FOR LIMITATION OF OPERATIONS AND SPECIAL CONDITIONS ON CONTRACTOR'S WORK.
9. ALL BASELINE OFFSETS SHALL BE APPLIED AT THE CENTER OF THE STRUCTURE FOR TYPE C-L CATCH BASINS AND MANHOLES. ALL BASELINE OFFSETS FOR TYPE C CATCH BASINS SHALL BE APPLIED AT THE CURB LINE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE CATCH BASINS WITH RESPECT TO THE CURB OR BARRIER LINE.
10. IN ACCORDANCE WITH SECTION 1.05.03, A QUALITY MANAGEMENT PLAN WILL BE REQUIRED BY THE CONTRACTOR AT A DATE SPECIFIED IN THE CONTRACT.

UTILITIES

1. THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS AND ARE NOT CUARANTEED TO BE CORRECT OR COMPLETE. AT THE DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UTILITIES WHICH MAY CONFLICT WITH THE WORK BY DIGGING TEST PITS BEFORE COMMENCING WORK. THIS WORK SHALL BE PAID FOR UNDER THE ITEM "TEST PIT".
2. THE CONTRACTOR SHALL MAINTAIN AND PROTECT EXISTING & PROPOSED UTILITIES THROUGHOUT THE DURATION OF THE PROJECT.
3. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 800-922-4455 AT LEAST 72 HOURS PRIOR TO CONDUCTING WORK.
4. ALL REQUIRED UTILITY RELOCATIONS SHALL BE PERFORMED BY THE RESPECTIVE UTILITY COMPANIES. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES PRIOR TO ANY WORK AND COORDINATE HIS WORK AND PROJECT SCHEDULE WITH THE UTILITY COMPANY WORK. UTILITY COORDINATION MEETINGS SHALL BE SCHEDULED BY THE ENGINEER AS NEEDED. ALL COORDINATION, INCLUDING BUT NOT LIMITED TO MEETINGS, SHALL BE PERFORMED IN ACCORDANCE WITH FORM 818, SECTION 1.05.06. THE COST OF ALL COOPERATION WITH UTILITIES, INCLUDING COORDINATION AND MEETINGS, IS INCLUDED IN THE OVERALL COST OF THE PROJECT AND NO ADDITIONAL PAYMENTS WILL BE MADE TO THE CONTRACTOR.

GENERAL PHASING OF SWALES AND EROSION CONTROL MEASURES

1. EXTREME CAUTION MUST BE TAKEN TO LIMIT THE EXTENT OF DISTURBED AREAS. WORK SHALL BE CONDUCTED BY THE CONTRACTOR IN THE FOLLOWING ORDER.
   - A. INSTALL ANTI-TRACKING PADS AS DIRECTED BY THE ENGINEER.
   - B. INSTALL SEDIMENTATION CONTROL SYSTEM AT ALL CATCH BASINS AND DRAINS, EACH STOCKPILE AND STORAGE AREA AND IN OTHER AREAS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
   - C. INSTALL CHECK DAMS IN SWALES AND OTHER AREAS OF CONCENTRATED FLOW. THIS WORK SHALL BE PAID FOR UNDER THE ITEM "WATER POLLUTION CONTROL".

PERMITTING REQUIREMENTS

1. THE CONTRACTOR IS HEREBY NOTIFIED THAT THE PERMITS INCLUDED IN THE SPECIAL PROVISIONS AND CONTRACT DOCUMENTS ARE REQUIRED FOR THIS PROJECT. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL APPLICABLE CONDITIONS. ADDITIONAL PERMITS BY OTHER REGULATORY AGENCIES MAY ALSO BE REQUIRED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE EROSION CONTROL PLAN AND ANY ADDITIONAL REQUIREMENTS (INCLUDING INSPECTION AND CERTIFICATION) IMPOSED BY THE U.S. EPA NPDES PERMIT AND ANY OTHER LOCAL, STATE OR FEDERAL REGULATIONS INCLUDING STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION GENERAL PERMIT DEP-PED-GP-015, "GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES".
3. IF ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED DURING OR AFTER CONSTRUCTION, AS DETERMINED BY THE ENGINEER, OR OTHER AUTHORITIES, THE CONTRACTOR SHALL TAKE SUCH ADDITIONAL MEASURES AS THEY MAY DIRECT. THIS WORK SHALL BE PAID FOR UNDER THE APPLICABLE ITEMS.
4. EACH CONTRACTOR AND SUBCONTRACTOR PERFORMING WORK ON THIS SITE SHALL BE REQUIRED TO CERTIFY THAT THEY HAVE READ AND UNDERSTAND THE TERMS OF CT DEEP GENERAL PERMIT DEEP-WPED-GP-015.

FLOOD CONTINGENCY

1. THE CONTRACTOR IS HEREBY NOTIFIED THAT THE PROJECT AREA IS WITHIN THE 100 YR AND 500 YR FLOOD ZONE AND IS SUBJECT TO URBAN FLOODING.
2. THE CONTRACTOR IS BOUND BY THE CONDITIONS SET FORTH IN THE CONNECTICUT DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION", FORM 818, 2020, WITH THE JANUARY 2021 SUPPLEMENTAL SPECIFICATIONS. SPECIFICALLY, SECTION 1.10 - ENVIRONMENTAL COMPLIANCE, ADDRESSES THE NEED FOR THE CONTRACTOR TO MAINTAIN A STABLE WORK AREA AND TO COORDINATE WITH THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WEATHER SERVICE FOR INFORMATION PERTAINING TO STORMS. THESE PROVISIONS ARE FULLY DESCRIBED UNDER ITEM 9 OF THE "REQUIRED BEST MANAGEMENT PRACTICES".

DEMOLITION

1. ALL EROSION AND SEDIMENTATION CONTROL SYSTEMS ARE TO BE IN PLACE PRIOR TO THE START OF ANY DEMOLITION WORK.
2. ABANDONMENT OF UTILITIES AS SHOWN IN THESE PLANS IS TO BE INCLUDED IN THE GENERAL COST OF THE WORK. NO SEPARATE PAYMENT WILL BE MADE.
3. ABANDONED MANHOLES AND CATCH BASINS SHALL BE REMOVED 3' BELOW GRADE. ALL ABANDONED PIPES, MANHOLES, AND CATCH BASINS SHALL BE PLUGGED AND FILLED WITH CONCRETE LOW STRENGTH MATERIAL, AND IN ACCORDANCE WITH THE ATTACHED SPECIAL PROVISION.
4. THE CONTRACTOR SHALL MEET WITH THE ENGINEER AND THE CITY OF BRIDGEPORT BEFORE REMOVING ANY TREES TO DETERMINE WHICH TREES ARE TO REMAIN AND BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES NOT DESIGNATED FOR REMOVAL IN ACCORDANCE WITH CITY OF BRIDGEPORT REQUIREMENTS. REMOVAL OF EXISTING TREES SHALL BE PAID FOR UNDER ITEM NO. 0201001 CLEARING AND GRUBBING.

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: MD
CHECKED BY: BB
NOT TO SCALE

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: GENERAL NOTES

PROJECT NO. 15-384
DRAWING NO. GEN-01
SHEET NO. **03.02**

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DATE/TIME = Jan 21, 2022 - 9:11pm

04 - TYPICAL SECTIONS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
04.01	TYPICAL SECTIONS INDEX OF DRAWINGS		
04.02	TYPICAL SECTIONS		
04.03	TYPICAL SECTIONS		
04.04	TYPICAL SECTIONS		
04.05	TYPICAL SECTIONS		

PROGRESS PRINTS

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER:

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: TYPICAL SECTIONS INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. TYP-00

SHEET NO. **04.01**

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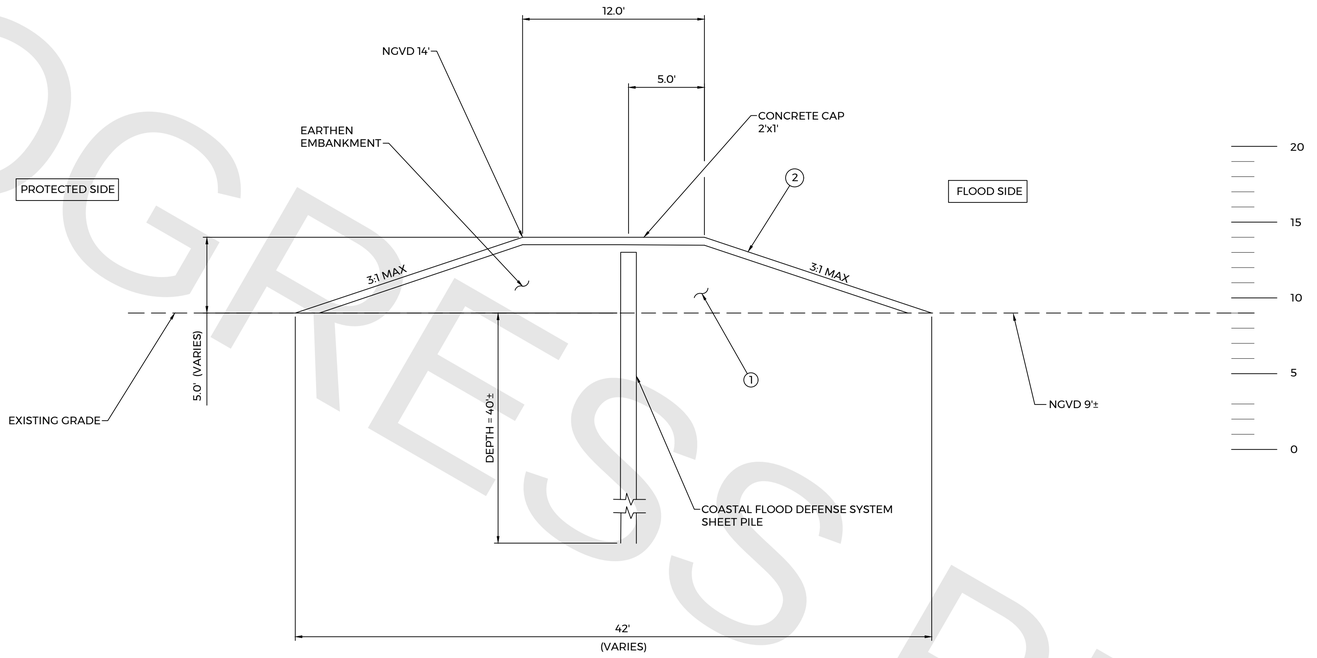
PROGRESS PRINTS



UNIVERSITY AVENUE

COASTAL FLOOD DEFENSE SYSTEM

LEGEND

① GRANULAR FILL

② 6" TOPSOIL

NOTES:

1. REFER TO STRUCTURAL PLANS FOR CONCRETE RETAINING WALL DETAILS.

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: JP

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SCALE 1"=5'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: TYPICAL SECTIONS

PROJECT NO. 15-384

DRAWING NO. TYP-01

SHEET NO. **04.02**

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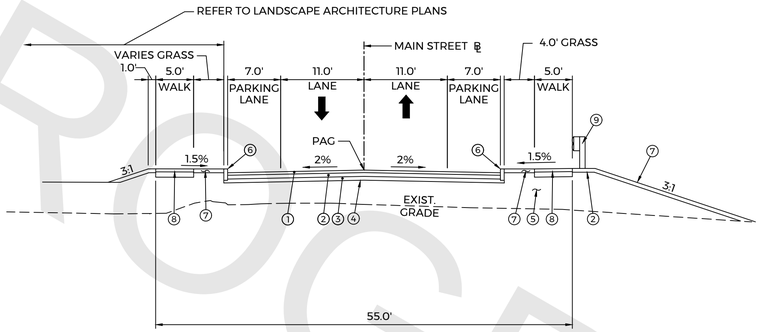

MAIN STREET

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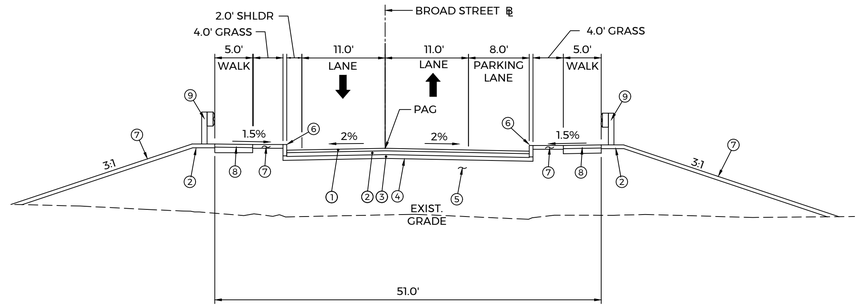

BROAD STREET

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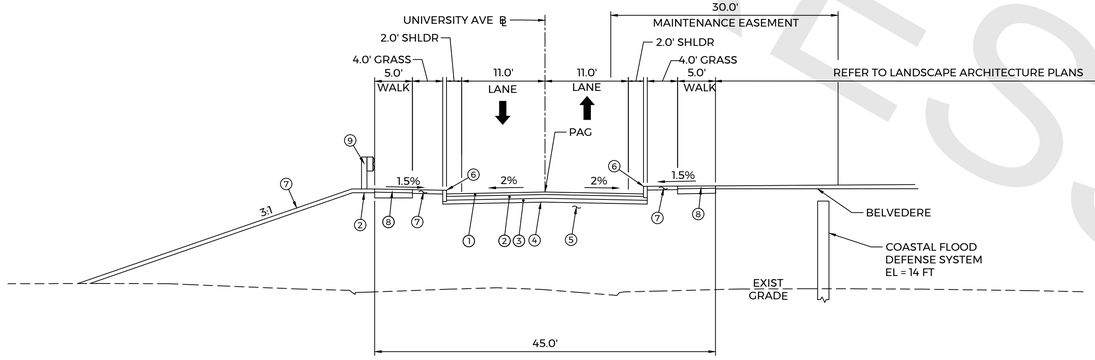
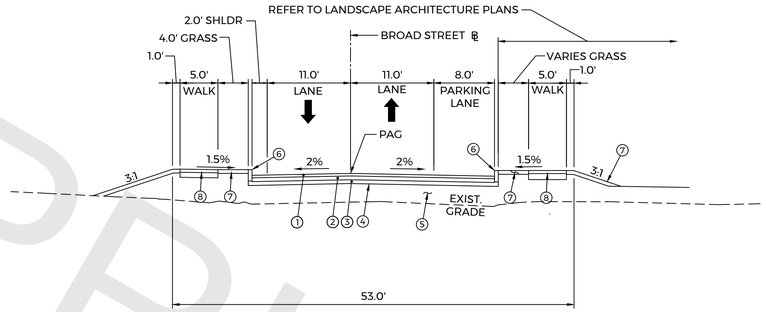


UNIVERSITY AVENUE

STA 17+00 TO STA 19+00



BROAD STREET

STA 101+00 TO STA 104+23

LEGEND

1. 4" HMA S0.5 (PLACED IN TWO EQUAL LIFTS)
2. 6" PROCESSED AGGREGATE BASE
3. 6" SUBBASE
4. FORMATION OF SUBGRADE
5. GRANULAR FILL
6. 5"x18" GRANITE CURB (6" REVEAL)
7. 6" TOPSOIL
8. 5" CONCRETE SIDEWALK ON 8" GRANULAR BASE (PLACED IN TWO EQUAL LIFTS)
9. METAL BEAM RAIL (R-B MASH)

PAG POINT OF APPLICATION OF GRADE

DIRECTION OF TRAVEL

PROGRESS PRINTS

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DESIGNER/DRAFTER: ML/MD

CHECKED BY: BB

SCALE IN FEET
0 NOT TO SCALE 10 20
SCALE 1"=10'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: TYPICAL SECTIONS

PROJECT NO. 15-384

DRAWING NO. TYP-02

SHEET NO. **04.03**

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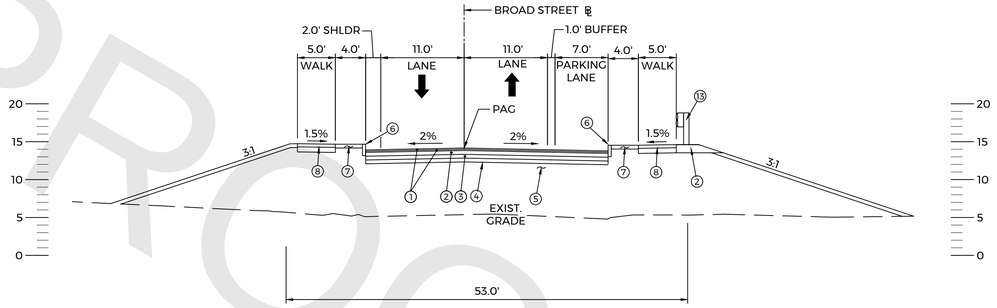
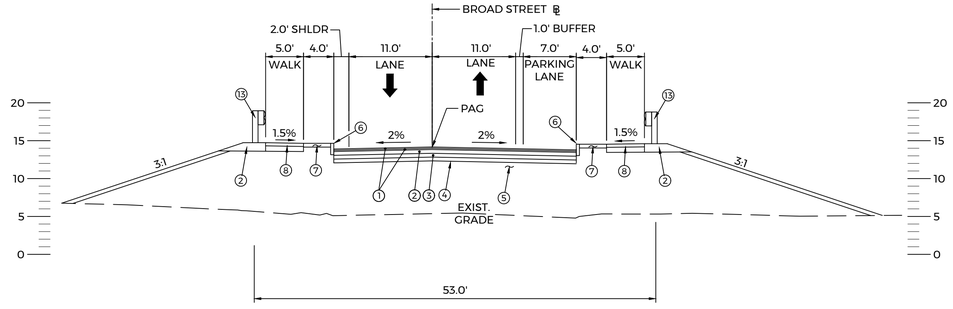
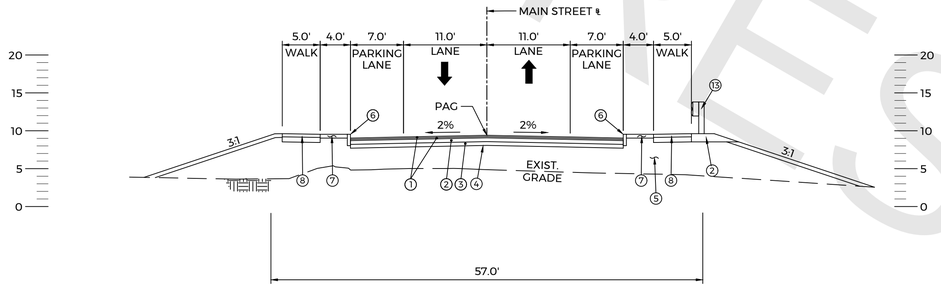


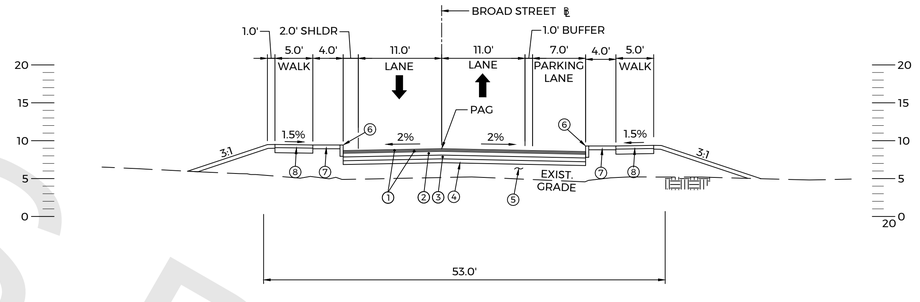
BROAD STREET (OPTION 1)
NORTH OF UNIVERSITY AVENUE
(LOOKING NORTH)



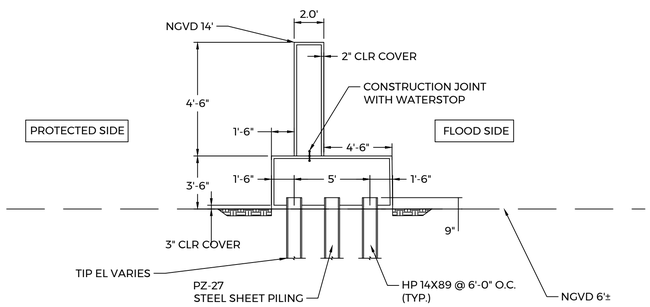
BROAD STREET
NORTH OF UNIVERSITY AVENUE
(LOOKING NORTH)



MAIN STREET
SOUTH OF UNIVERSITY AVENUE
(LOOKING NORTH)



BROAD STREET
SOUTH OF UNIVERSITY AVENUE
(LOOKING NORTH)



60 MAIN ST.
TYPICAL T-WALL SECTION
NOT DRAWN TO SCALE

LEGEND

1. 2" HMA S0.5
2. 6" PROCESSED AGGREGATE BASE
3. 6" SUBBASE
4. FORMATION OF SUBGRADE
5. GRANULAR FILL
6. 5"x18" GRANITE CURB (6" REVEAL)
7. 6" TOPSOIL
8. 5" CONCRETE SIDEWALK ON 8" GRANULAR BASE IN 2-4" LIFTS
9. COLUMNAR LIGHT
10. GRANITE SITTING WALL
11. BITUMINOUS CONCRETE LIP CURB (6" HIGH)
12. 12" COMPACTED GRANULAR FILL
14. METAL BEAM RAIL (R-B MASH)

PAG POINT OF APPLICATION OF GRADE

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: ML/MD
CHECKED BY: BB
SCALE IN FEET 0 10 20
SCALE 1"=10'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

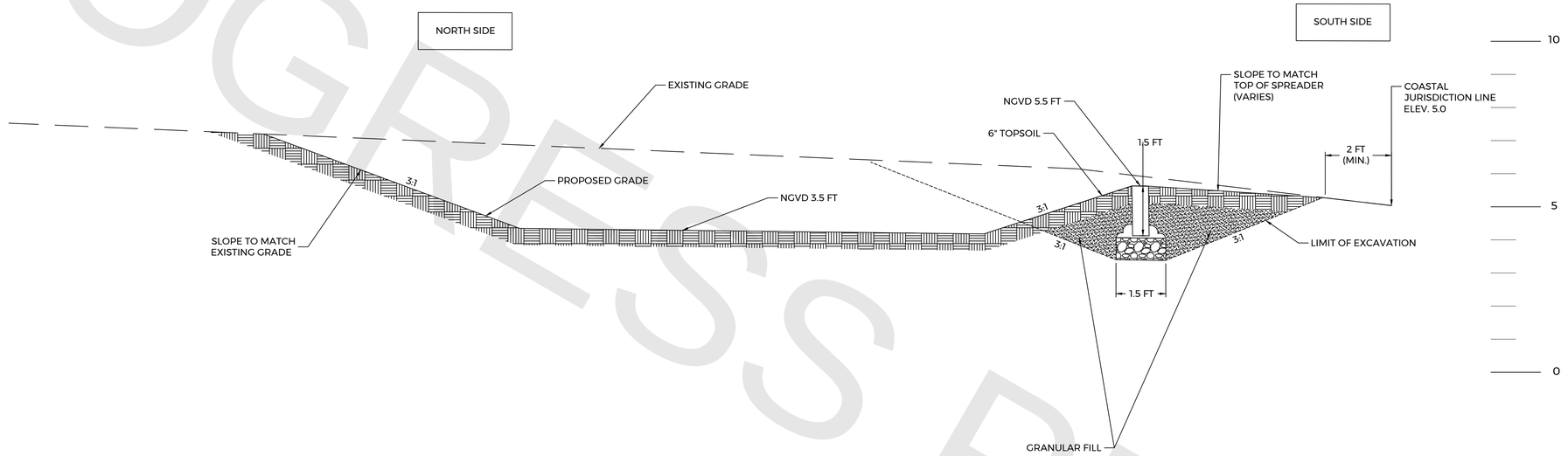
TOWN: BRIDGEPORT
DRAWING TITLE: TYPICAL SECTIONS

PROJECT NO. 15-384
DRAWING NO. TYP-03
SHEET NO. **04.04**

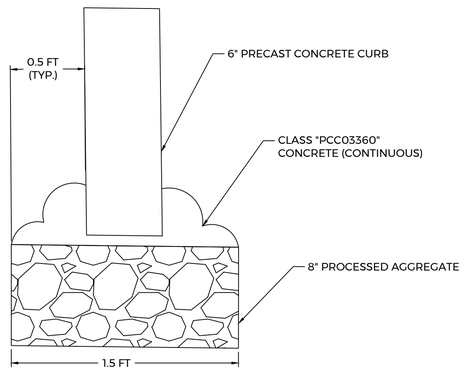
FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_TYP 3.dwg
DATE/TIME = Jan 24, 2022 - 8:35pm

PROGRESS PRINTS

PROGRESS PRINTS



LEVEL SPREADER AND POND
X-SECTION
SECTION A-A



LEVEL SPREADER TYPICAL

FINAL DESIGN REVIEW

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CHECKED BY: BB
SCALE IN FEET
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SCALE 1"=10'

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DRAWING TITLE: TYPICAL SECTIONS

PROJECT NO. 15-384
DRAWING NO. TYP-04
SHEET NO. **04.05**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_TYP 3.dwg
DATE/TIME = Jan 24, 2022 - 8:35pm

05 - MISCELLANEOUS DETAILS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
05.01	MISCELLANEOUS DETAILS INDEX OF DRAWINGS		
05.02	MISCELLANEOUS DETAILS		
05.03	MISCELLANEOUS DETAILS		
05.04	MISCELLANEOUS DETAILS		
05.05	MISCELLANEOUS DETAILS		
05.06	MISCELLANEOUS DETAILS		
05.07	MISCELLANEOUS DETAILS		

PROGRESS PRINTS

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

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500 Winding Brook Dr. Glastonbury, CT

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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

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FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MISCELLANEOUS DETAILS INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. MDS-00

SHEET NO. **05.01**

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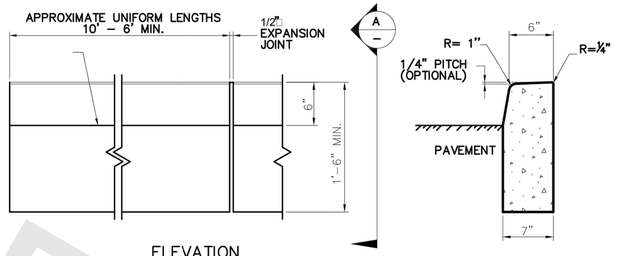
DATE/TIME = Jan 24, 2022 - 9:31pm

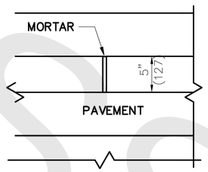
PROGRESS PRINTS



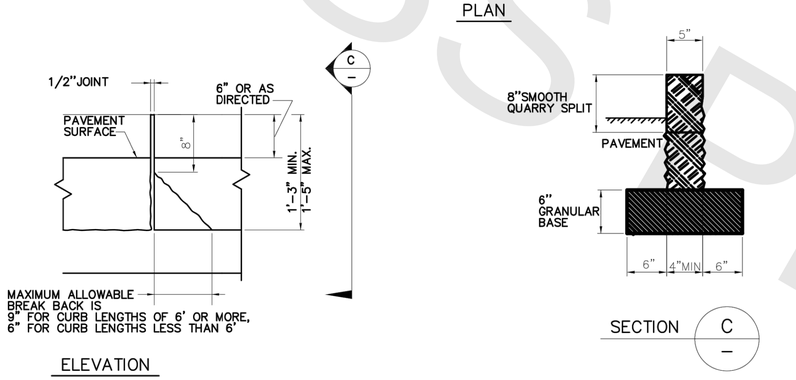
ELEVATION

SECTION A – A

6"CONCRETE CURBING



PLAN



ELEVATION

SECTION C – C

STONE CURBING

DETAILS ADOPTED FROM CTDOT

CITY OF BRIDGEPORT	REV.	DATE	REVISION DESCRIPTION	ENGINEERING DEPARTMENT
				STONE & CONCRETE CURB DETAILS
				SHEET - 05
				SCALE: N.T.S

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DET.dwg
DATE/TIME = Jun 24, 2022 – 5:51pm

REV.	DATE	REVISION DESCRIPTION

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CHECKED BY: BB
DATE ISSUED: NOT ISSUED

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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

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FINAL DESIGN REVIEW

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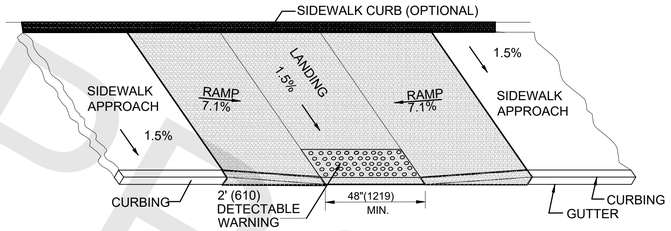
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

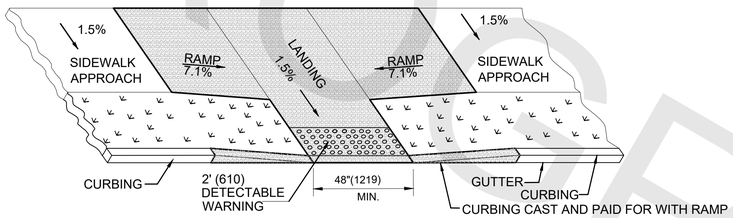
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO. 15-384
DRAWING NO. MDS-01
SHEET NO. **05.02**



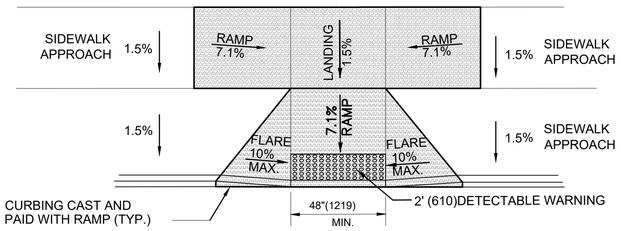
PARALLEL SIDEWALK RAMP (TYPE 1) NO UTILITY STRIP

SCALE: N.T.S.



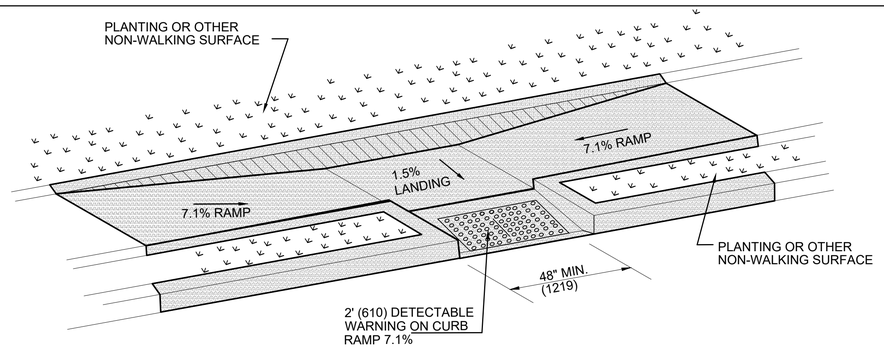
PARALLEL SIDEWALK RAMP (TYPE 1A) NO UTILITY STRIP

SCALE: N.T.S.



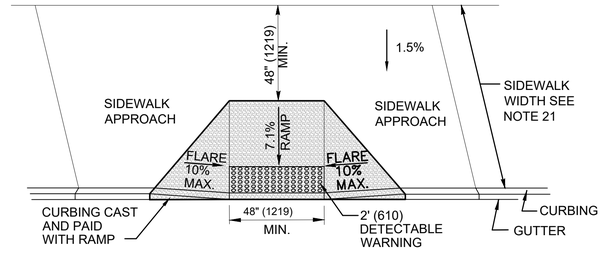
PARALLEL/PERPENDICULAR SIDEWALK RAMP NO UTILITY / GRASS STRIP (TYPE 1B)

SCALE: N.T.S.



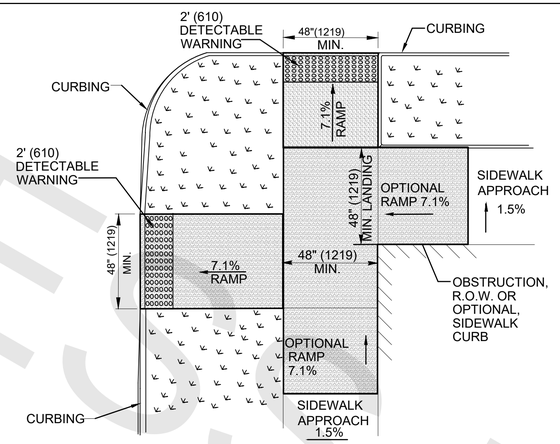
PARALLEL SIDEWALK RAMP (TYPE 1C) WITH UTILITY / GRASS STRIP

SCALE: N.T.S.



PERPENDICULAR SIDEWALK RAMP W / 48" (1219) MIN. BYPASS LANDING (TYPE 2)

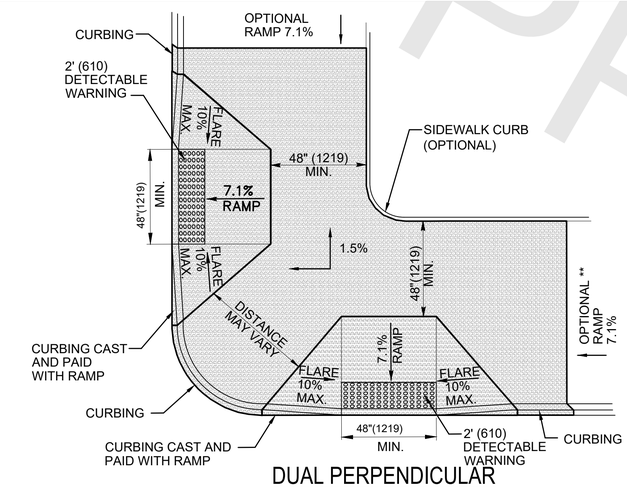
SCALE: N.T.S.



DUAL PERPENDICULAR SIDEWALK RAMPS (TYPE 3A) WITH UTILITY / GRASS STRIP

SEE NOTE 20

SCALE: N.T.S.



* OPTIONAL CURB RETURN ON ONE SIDE OF RAMP

** SEE NOTE 23

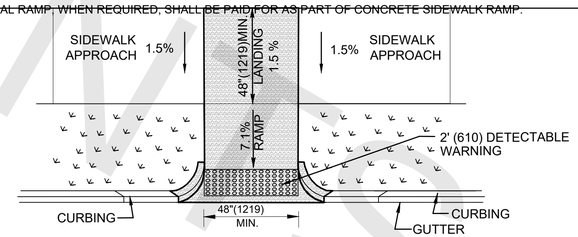
DUAL PERPENDICULAR SIDEWALK RAMPS (TYPE 3) WITH UTILITY / GRASS STRIP

SEE NOTES 19

SCALE: N.T.S.

GENERAL NOTES:

1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP SHOULD NOT EXCEED 5%. THE MAXIMUM GRADE DIFFERENCE BETWEEN THE GUTTER AND CURB RAMP SHALL NOT EXCEED 13%. SEE DETAIL 1 ON SHEET 4.
2. RAMP GRADE SHALL BE UNIFORM, FREE OF SAGS AND ABRUPT GRADE CHANGES.
3. ALL RAMPS SHALL BE CONSTRUCTED OF PCC04460 CONCRETE IN ACCORDANCE WITH CTDOT STANDARD SPECIFICATIONS FORM 818 DATED 2020 AND SUPPLEMENTAL SPECS JANUARY 2021: SECTION 9.21.02 AND M.03.02 / NTC-PORTLAND CEMENT CONCRETE PCC MIX CLASSIFICATIONS.
4. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE OF ALL SIDEWALK RAMPS SHALL BE STABLE, FIRM AND SLIP RESISTANT. SURFACE DISCONTINUITIES SHALL NOT EXCEED ¼" (13) MAX. VERTICAL DISCONTINUITIES BETWEEN ¼" (6.4) AND ½" (13) MAX. SHALL BE BEVELED 1:2 MINIMUM APPLIED ACROSS THE ENTIRE LEVEL CHANGE.
5. DIAGONAL SIDEWALK RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES. DIAGONAL AND PERPENDICULAR RAMPS SHALL HAVE THE RAMP CUT PERPENDICULAR TO THE TANGENT OF THE CURB RADIUS FOR THE DESIGNATED ACCESSIBLE ROUTE. BOTH LONGITUDINAL SIDES OF THE RAMP SHOULD BE THE SAME LENGTH. SKEWED RAMPS SHOULD BE AVOIDED. FLARES ARE NOT CONSIDERED PART OF PEDESTRIAN ACCESS ROUTE. DIAGONAL RAMPS SHOULD NOT BE INSTALLED WHERE CURB RADII IS LESS THAN 20'(6096).
6. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT. 8.3% MAXIMUM SLOPE MAY NOT BE ACHIEVABLE DUE TO EXISTING SIDEWALK GRADE. IN RECOGNITION OF THIS, A LIMIT OF 15' (4572) FOR REMOVAL SHALL BE USED UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. SAW CUT REQUIRED FOR DUMMY JOINTS SHALL BE INCLUDED IN THE COST OF "CONCRETE SIDEWALK RAMP" OR "CONCRETE SIDEWALK".
7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' (3658) UNLESS OTHERWISE NOTED.
8. CONCRETE SIDEWALK RAMPS, SHALL BE PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK RAMP", AS DEFINED BY THE CONSTRUCTION LIMITS ON THE PLANS AND SHALL BE FIELD VERIFIED.
9. SIDEWALK RAMPS SHALL BE CONSTRUCTED WITH THE TOE AT THE GUTTER CAST INTEGRALLY WITH RAMP UNLESS DIRECTED OTHERWISE BY THE ENGINEER (SEE TYPICAL SECTION ON SHEET 3). CURB REMOVAL AND CAST IN PLACE CURBING REQUIRED FOR THE RAMP, SHALL BE INCLUDED WITH PAY ITEM "CONCRETE SIDEWALK RAMP". CURBING OUTSIDE LIMITS OF RAMP OR LANDING SHOWN ON SHEET 3 SHALL BE CONSTRUCTED AND PAID FOR IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS.
10. PREFERRED LOCATION TO INSTALL DETECTABLE WARNING STRIP SHALL BE 6" (152) FROM THE EDGE OF ROAD ALONG THE FULL WIDTH OF THE RAMP. FOR ALTERNATE LOCATIONS, REFER TO DETECTABLE WARNING PLACEMENT DETAILS ON SHEET 4.
11. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES, ALIGN DOMES ON A SQUARE GRID IN THE DIRECTION OF RUNNING SLOPE (PERPENDICULAR TO CURB OR SLOPE BREAK). THE TRANSITION FROM RAMP TO GUTTER SHALL BE FLUSH WITHOUT A LIP.
12. WHERE COMMERCIAL DRIVEWAYS ARE PROVIDED WITH TRAFFIC SIGNALS AND THE SIDEWALK IS CONTINUOUS THROUGH DRIVEWAY, DETECTABLE WARNINGS ARE REQUIRED AT THE JUNCTION BETWEEN THE PEDESTRIAN ROUTE AND DRIVEWAY.
13. CONSTRUCT A SIDEWALK CURB WHEN THERE IS INSUFFICIENT BUFFER AVAILABLE TO GRADE OR WHEN CALLED FOR IN PLANS. PAID FOR WITH SIDEWALK RAMP WHEN REQUIRED FOR RAMP.
14. THE TOP AND BOTTOM OF RAMPS SHOULD BE PROVIDED WITH A 4' x 4' (1219 x 1219) MINIMUM LEVEL LANDING AREA WITH A CROSS SLOPE LESS THAN OR EQUAL TO 2% IN ANY DIRECTION.
15. UTILITY POLES, LUMINAIRE, PEDESTRIAN OR SIGNAL POLES, GRATES, ACCESS COVERS, AND OTHER APPURTENANCES SHALL NOT BE LOCATED ON RAMPS, LANDINGS, BLENDED TRANSITIONS, AND @ GUTTERS WITHIN THE PEDESTRIAN ACCESS ROUTE.
16. APPROACH SIDEWALK WIDTHS, GRASS STRIP OR UTILITY STRIP WIDTHS MAY VARY.
17. APPROACH SIDEWALK AND LANDING CROSS SHALL NOT EXCEED 2%.
18. THE RUNNING OR CROSS SLOPES ON LANDINGS AT MID BLOCK CROSSING MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.
19. FOR PERPENDICULAR CURB RAMPS A MIN. 4'(1.2m) x 4'(1.2m) LEVEL LANDING SHALL BE PROVIDED AT THE TOP OF CURB RAMP. WHERE THE LEVEL LANDING IS RESTRICTED AT THE BACK OF SIDEWALK THE LEVEL LANDING SHALL BE 4'(1.2m) x 5'(1.5m) WITH THE 5'(1.5m) DIMENSION PROVIDED IN THE DIRECTION OF THE RAMP RUN.
20. FOR PARALLEL CURB RAMPS, A MIN. 4'(1.2m) x 4'(1.2m) LEVEL LANDING SHALL BE PROVIDED AT THE BOTTOM OF CURB RAMP. IF THE LEVEL LANDING IS RESTRICTED ON 2 OR MORE SIDES, THE LEVEL LANDING SHALL BE 4'(1.2m)x 5'(1.5m) WITH THE 5' (1.5m) DIMENSION PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.
21. WHEN WIDTH OF SIDEWALK IS >48" AND A PERPENDICULAR SIDEWALK RAMP IS INSTALLED, THE FLARED SIDES SHALL BE 10% MAX. IF WIDTH OF SIDEWALK IS <48" THE FLARED SIDES MUST NOT EXCEED 8.33% (12:1).
22. SHADED AREAS ARE TYPICAL PAY LIMITS FOR CONCRETE SIDEWALK RAMP BUT, MAY VARY AS DIRECTED BY THE ENGINEER.
23. OPTIONAL RAMP, WHEN REQUIRED, SHALL BE PAID FOR AS PART OF CONCRETE SIDEWALK RAMP.



PERPENDICULAR SIDEWALK RAMP W / CURB RETURNS / UTILITY GRASS STRIP (TYPE 2A) *OPTIONAL FLARE ON ONE SIDE OF RAMP

SCALE: N.T.S.

FINAL DESIGN REVIEW

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CHECKED BY: BB

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75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE: **FLOOD RISK REDUCTION PROGRAM**

TOWN: BRIDGEPORT

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO. 15-384

DRAWING NO. MDS-02

SHEET NO. **05.03**

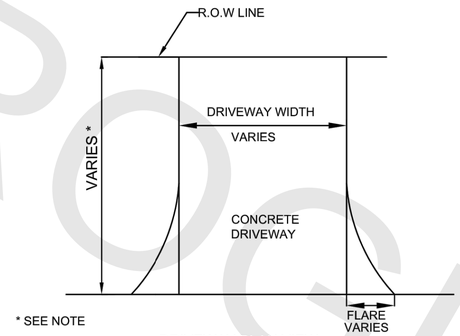
FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DET.dwg
DATE/TIME = Jan 24, 2022 - 5:51pm

PRINT RESET

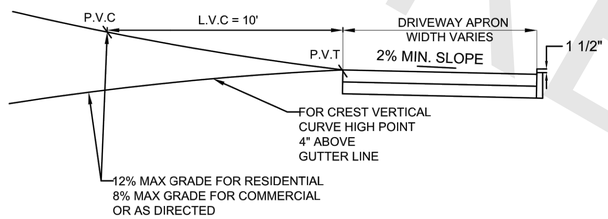
PROGRESS PRINTS

NOTES:

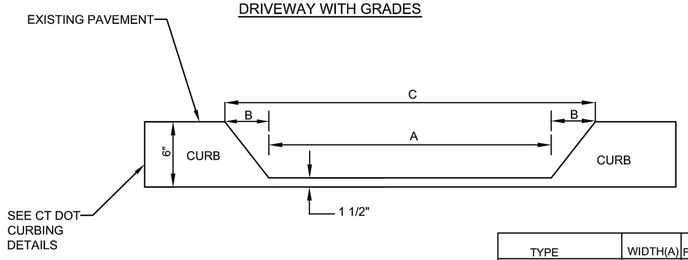
1. DRIVEWAY LENGTH VARIES WITH R.O.W LENGTH.



DRIVEWAY PLAN VIEW



DRIVEWAY WITH GRADES



CURB CUT DETAIL

TYPE	WIDTH(A)	FLARE(B)	TOTAL(C)
ONE,TWO & THREE RESIDENTIAL	20'	2'	24'
MULTI- RESIDENTIAL	24'	3'	30'
COMMERCIAL	30'	3'	36'

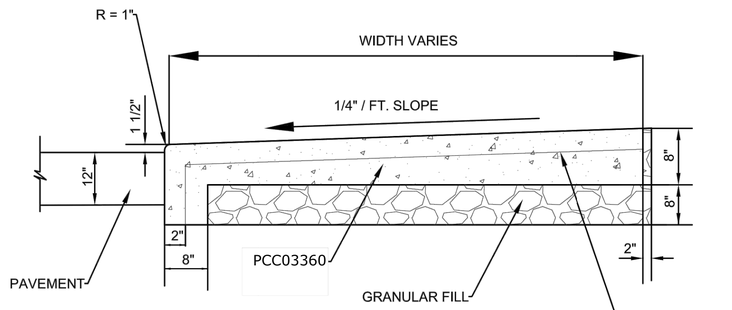
CITY OF BRIDGEPORT

REV.	DATE	REVISION DESCRIPTION

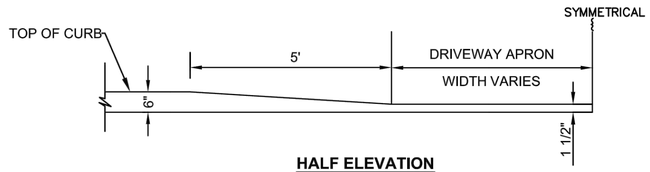
ENGINEERING DEPARTMENT

CONCRETE DRIVEWAY WITHOUT SIDEWALK

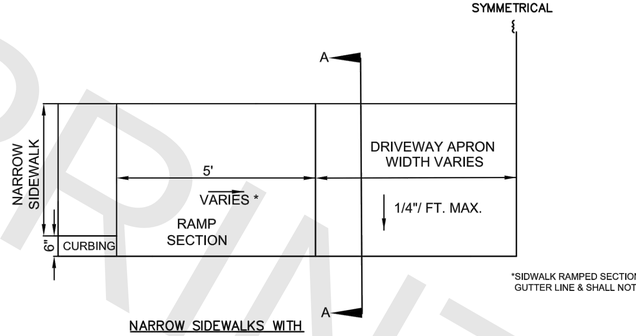
SHEET - 01
SCALE: N.T.S
DRAWN BY: MJ
CHECKED BY : JPU & PDP



SECTION A



HALF ELEVATION



*SIDWALK RAMPED SECTION SHALL MEET THE GUTTER LINE & SHALL NOT EXCEED 1:12 SLOPE

NARROW SIDEWALKS WITH NO LEVEL LANDING

DETAILS ADOPTED FROM FHWA
ALL SPECS FROM CT DOT FORM 817

CITY OF BRIDGEPORT

REV.	DATE	REVISION DESCRIPTION

ENGINEERING DEPARTMENT

NARROW SIDEWALK WITH NO LEVEL LANDING

SHEET - 02
SCALE: N.T.S
DRAWN BY: MJ

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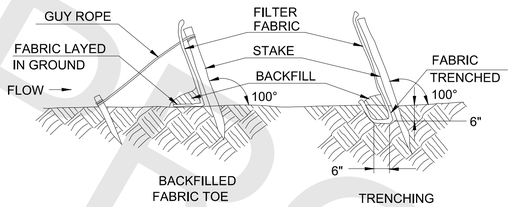
DATE/TIME = Jan 24, 2022 - 5:57pm

END VIEW



NOTES:

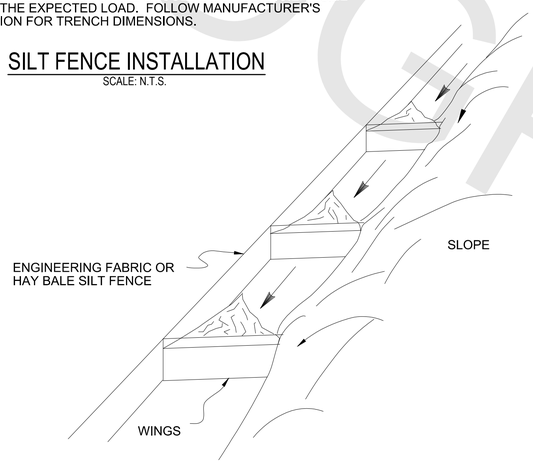
1. MINIMUM STAKE LENGTH IS 42 INCHES.
2. MINIMUM STAKE EMBEDMENT DEPTH IS 18 INCHES.
3. MINIMUM LEGTH OF SILT FENCE IS 15 FEET.
4. MAXIMUM POST SPACING IS 10 FEET.
5. JOINTS ONLY AT SUPPORT POST WITH MINIMUM 6 INCH OVERLAP, SECURELY SEALED.
6. SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN IT REACHES THE HEIGHT OF THE SILT FENCE.
7. SILT FENCE SHALL NOT BE USED IN A WATER COURSE.
8. UPON ESTABLISHMENT OF GROUND COVER ON DISTURBED AREAS, AND WHEN DIRECTED BY THE ENGINEER, FENCE WILL BE REMOVED AND ANY SEDIMENTATION WILL BE THINLY SPREAD UPON EXISTING GROUND COVER.

SELF SUPPORTING SILT FENCE SHOULD BE PLACED SO THE FENCE LEANS TOWARD THE SOURCE OF SEDIMENT. SPACING OF STAKES AND USE OF GUY ROPES ARE DETERMINED ACCORDING TO FIELD NEEDS.

GUY ROPE/WIRE AND TIE BACK STAKE SHOULD BE OF SUFFICIENT SIZE TO WITHSTAND THE EXPECTED LOAD. FOLLOW MANUFACTURER'S RECOMMENDATION FOR TRENCH DIMENSIONS.

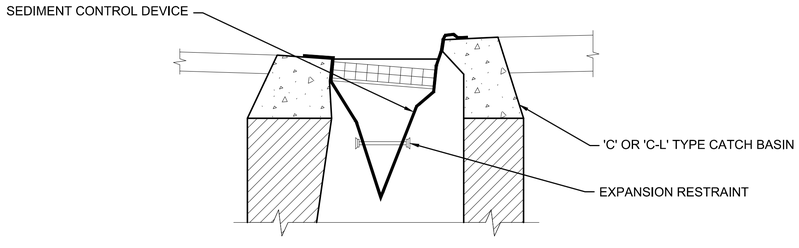
SILT FENCE INSTALLATION

SCALE: N.T.S.



WHEN USING SILT FENCE ALONG TOE OF SLOPE, ADD WINGS TO PREVENT SEDIMENT FROM MOVING ALONG THE FENCE AND OFF THE SITE. SPACING OF THE WING SHALL BE DETERMINED BY THE ENGINEER.

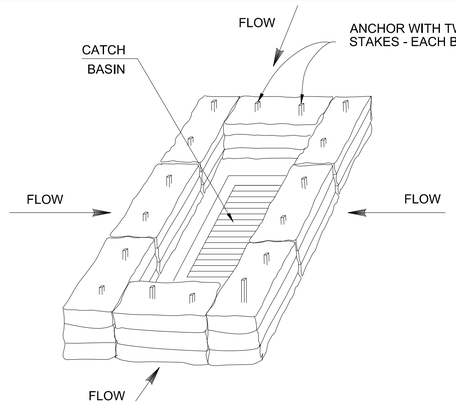
SEDIMENT CONTROL SYSTEM TOE OF SLOPE



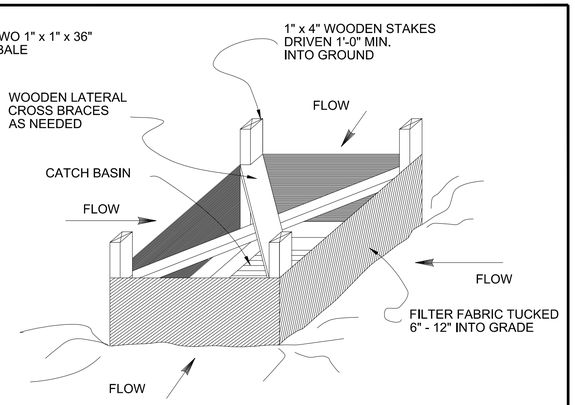
NOTE:
SEDIMENT CONTROL DEVICE TO REMAIN IN CB UNTIL AREA IS COMPLETELY STABILIZED.

SEDIMENT CONTROL SYSTEM AT CATCH BASIN

SCALE: N.T.S.



HAY BALE INSTALLATION AT CATCH BASIN



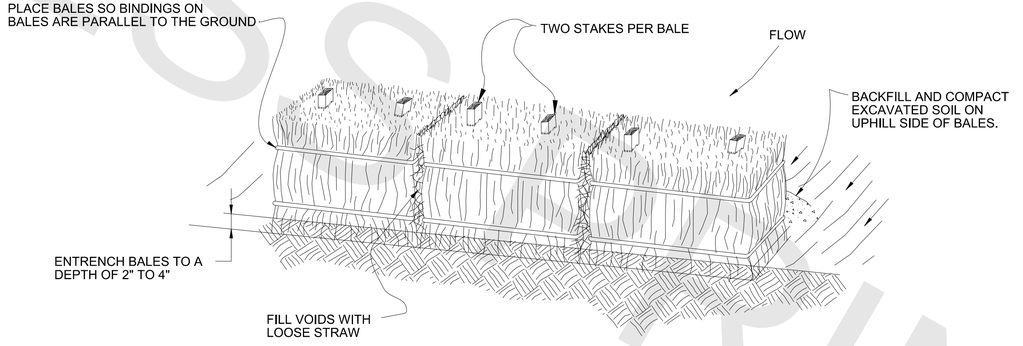
SILT FENCE INSTALLATION AT CATCH BASIN

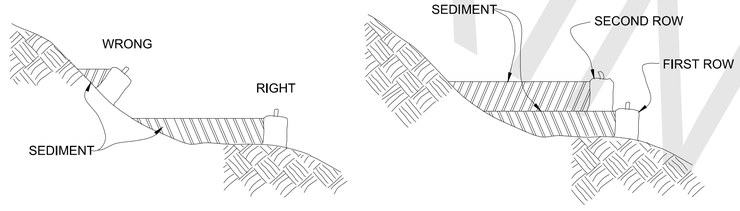
NOTES:

1. SILT FENCE OR HAY BALES SHALL BE PAID AS SEDIMENTATION CONTROL SYSTEM.

CATCH BASIN IN A DEPRESSION

SCALE: N.T.S.





PREFERRED PLACEMENT

BALES PLACED AWAY FROM TOE OF SLOPE HAVE A LARGER CONFINEMENT AREA. ADDITIONAL BALES SHOULD BE ADDED BEHIND ORIGINAL BALES BEFORE SEDIMENTATION TOPS THE FIRST BALES.

INSTALLATION:

1. BALES SHOULD BE ENTRENCHED 2 TO 4 INCHES AND TIGHTLY BUTTED TOGETHER. BALES CAN BE SUCCESSFULLY PLACED WITHOUT A TRENCH IF GOOD GROUND CONTACT IS MADE. REMOVE HEAVY BRUSH AND FILL ALL VOIDS WITH LOOSE STRAW.
2. BALES SHALL BE ONLY USED AS A TEMPORARY BARRIER AND FOR NO LONGER THAN 60 DAYS. THEY SHALL NOT BE USED ON A JOB ADJACENT TO A RESIDENTIAL NEIGHBORHOOD, RESIDENCES OR ADJACENT TO OR IN A WATERCOURSE.
3. WHEN SEDIMENTATION DEPOSITS REACH WITHIN 3 INCHES OF THE TOP OF BALES, REMOVE SEDIMENTATION OR ADD ADDITIONAL BALES ON SEDIMENTATION DIRECTLY BEHIND FIRST ROW OF BALES AS DIRECTED BY ENGINEER.
4. UPON ESTABLISHMENT OF GROUND COVER ON DISTURBED AREAS AND WHEN DIRECTED BY ENGINEER, HAY BALES WILL BE REMOVED AND USED AS MULCH. ANY SEDIMENTATION WILL BE THINLY SPREAD UPON ESTABLISHED GROUND COVER.

HAY / STRAW BALES

SCALE: N.T.S.

PROGRESS PRINT

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: MD
CHECKED BY: BB
SHEETS SCALED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

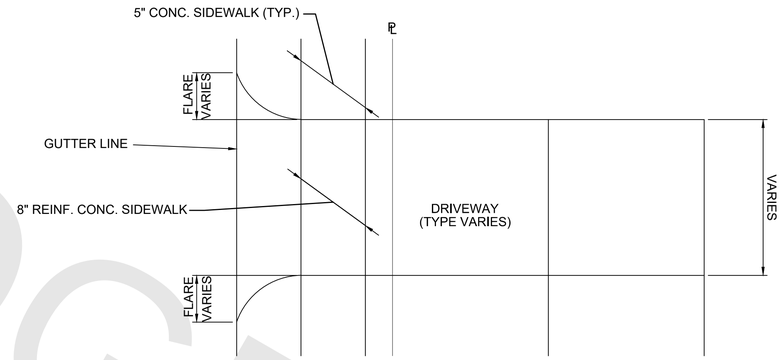
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

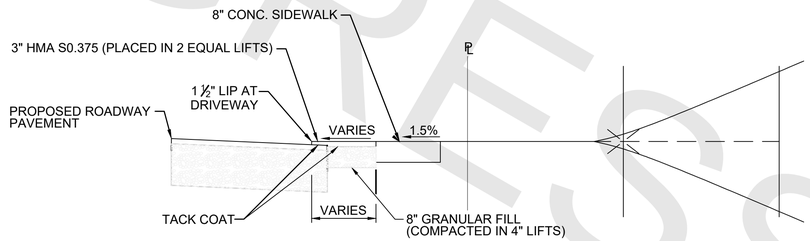
TOWN: BRIDGEPORT
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO. 15-384
DRAWING NO. MDS-04
SHEET NO. **05.05**

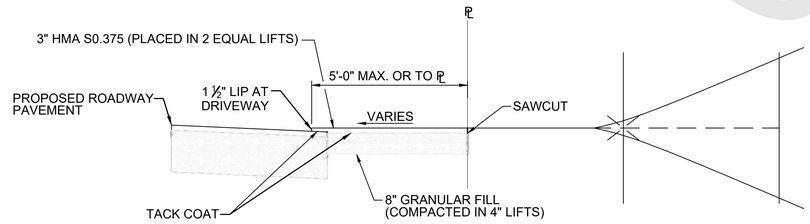
FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DET.dwg
DATE/TIME = Jan 24, 2022 - 6:00pm



PLAN



PROFILE (SIDEWALK PRESET)



PROFILE (NO SIDEWALK PRESET)

BITUMINOUS CONCRETE DRIVEWAY - RESIDENTIAL

SCALE: N.T.S.

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: MD

CHECKED BY: BB

SCALE: AS NOTED ~~AS SCALED~~

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO. 15-384

DRAWING NO. MDS-05

SHEET NO. **05.06**

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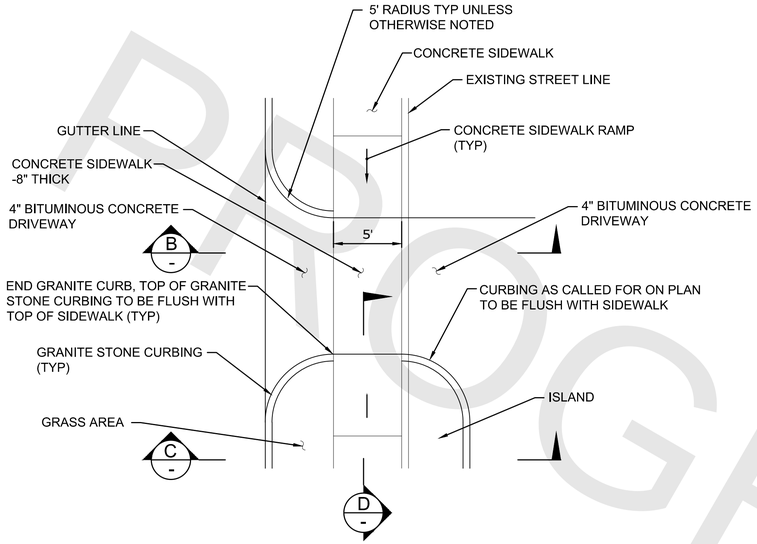
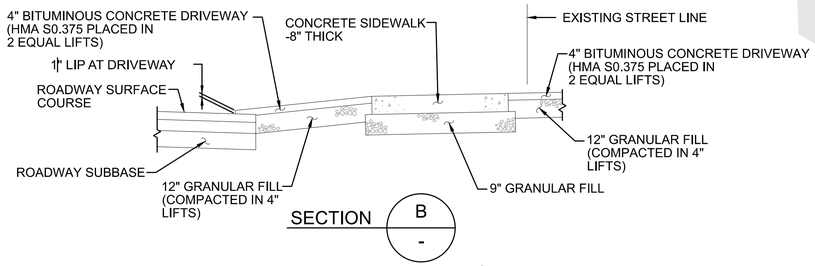
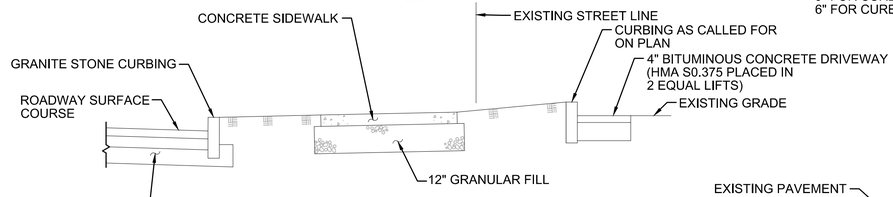


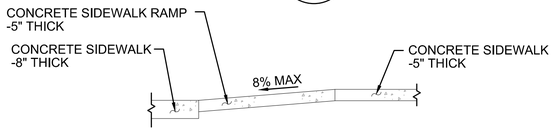
PLAN



SECTION B -



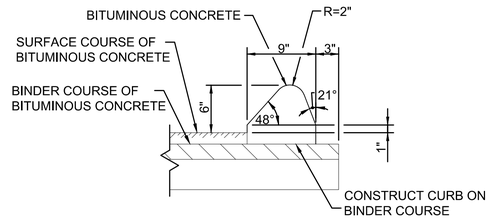
SECTION C -



SECTION D -

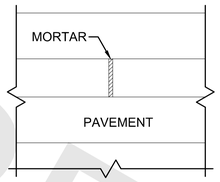
BITUMINOUS CONCRETE DRIVEWAY - COMMERCIAL

SCALE: N.T.S.

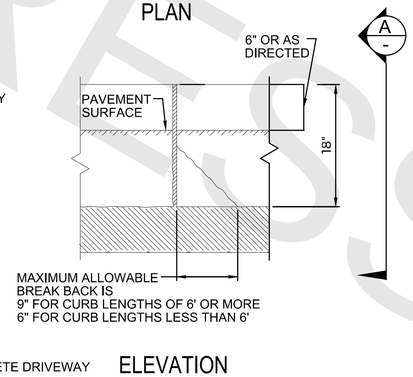


BITUMINOUS CONCRETE LIP CURBING

SCALE: N.T.S.



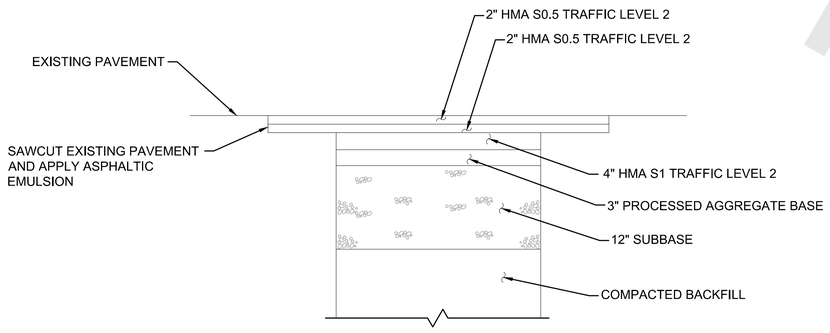
PLAN



ELEVATION

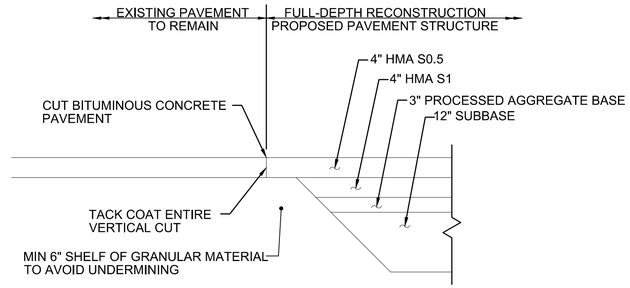
GRANITE STONE CURBING

SCALE: N.T.S.



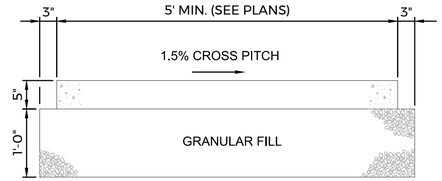
PERMANENT PAVEMENT REPAIR DETAIL

SCALE: N.T.S.



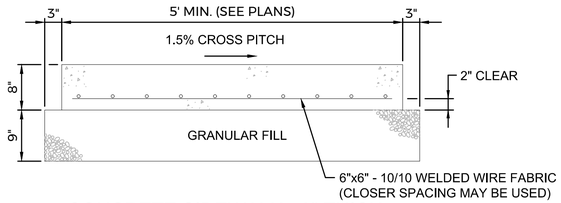
ROADWAY PAVEMENT TRANSITION DETAIL AT CONSTRUCTION LIMITS

SCALE: N.T.S.



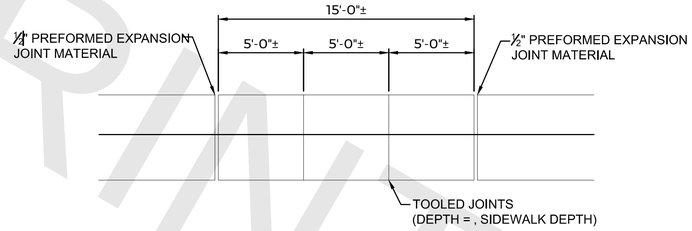
CONCRETE SIDEWALK

SCALE: N.T.S.



CONCRETE SIDEWALK - 8" THICK

SCALE: N.T.S.



SIDEWALK NOTES:

1. TOOLED JOINT PATTERN IS TO BE DIRECTED TO CONFORM TO ADJACENT MARKINGS.
2. 8" THICK SIDEWALK IS TO BE USED AT ALL DRIVEWAY CROSSINGS AND IN OTHER AREAS AS DIRECTED BY THE ENGINEER.

CONCRETE SIDEWALK - PLAN VIEW

SCALE: N.T.S.

PROGRESS PRINTS

FINAL DESIGN REVIEW

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DET.dwg
DATE/TIME = Jan 24, 2022 - 6:02pm

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
CHECKED BY:
SUBMITTED/DATE

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO. 15-384
DRAWING NO. MDS-06
SHEET NO. **05.07**

06 - DEMOLITION PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
06.01	DEMOLITION PLANS INDEX OF DRAWINGS		
06.02	DEMOLITION PLAN		
06.03	DEMOLITION PLAN		
06.04	DEMOLITION PLAN		
06.05	DEMOLITION PLAN		
06.06	DEMOLITION PLAN		

PROGRESS PRINTS

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DESIGNER/DRAFTER: AP/AP

CHECKED BY: BB

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DEMOLITION PLANS INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. DEM-00

SHEET NO. **06.01**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SUB-COV.dwg
DATE/TIME = Jan 24, 2022 - 7:38pm

PROGRESS PRINTS

N

LEGEND

- BITUMINOUS PAVEMENT REMOVAL LIMITS
- CONCRETE / BITUMINOUS WALK REMOVAL LIMITS
- STRUCTURES / BOLLARDS / POLES / SIGN POSTS TO BE REMOVED

LAFAYETTE ST

UNIVERSITY AVE

UNIVERSITY AVE BASELINE

BEGIN CONTRACT 15-384
STA 0+15.00

10+00 11+00 12+00 13+00 14+00

500+00 501+00 502+00 503+00 504+00

REMOVE EXISTING CONC CURB

SIDEWALK TO REMAIN

REMOVE EXISTING CONC CURB

CUT EXISTING STONE CURB

CUT EXISTING STONE CURB

REMOVE BIT PAVEMENT

REMOVE EXISTING CURB

REMOVE BIT PAVEMENT

REMOVE EXISTING BOLLARDS (TYP)

REMOVE EXISTING TREES AS REQUIRED (TYP)

EXISTING SCOREBOARD TO REMAIN

REMOVE CONC WALK

MATCH EXISTING AT NEAREST JOINT

REMOVE EXISTING CONC SIDEWALK AND CURB

REMOVE EXISTING PILLARS

REMOVE AND RELOCATE TRANSFORMERS (TO BE COORDINATED)

EF=17.03

EF=17.18

EF=9.70

MATCH LINE SEE DWG NO. DEM-02

KEY PLAN

FINAL DESIGN REVIEW

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DEMO.dwg
DATE/TIME = Jan 24, 2022 - 1:13pm

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: AP
CHECKED BY: BB
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DEMOLITION PLAN

PROJECT NO. 15-384
DRAWING NO. DEM-01
SHEET NO. **06.02**

PROGRESS PRINTS

MATCH LINE SEE DWG NO. DEM-03

MATCH LINE SEE DWG NO. DEM-01

MATCH LINE SEE DWG NO. DEM-04

N

LEGEND

- BITUMINOUS PAVEMENT REMOVAL LIMITS
- CONCRETE / BITUMINOUS WALK REMOVAL LIMITS
- STRUCTURES / BOLLARDS / POLES / SIGN POSTS TO BE REMOVED

BROAD ST BASELINE

REMOVE EXISTING BIT WALK

REMOVE EXISTING STONE CURB

REMOVE EXISTING BIT WALK

RELOCATE EXISTING UTILITY POLE (BY OTHERS)

REMOVE EXISTING CHAIN LINK FENCE

REMOVE EXISTING BIT PAVEMENT TO LIMITS SHOWN

REMOVE EXISTING SIGNS

REMOVE SIGN

REMOVE EXISTING BIT PAVEMENT TO LIMITS SHOWN

REMOVE SIGN

REMOVE EXISTING CHAIN LINK FENCE

BROAD ST

MAIN ST

UNIVERSITY AVE BASELINE

UNIVERSITY AVE

15+00 16+00 17+00 18+00 19+00

505+00 506+00 507+00 508+00 509+00

104+00 105+00 106+00 107+00

205+35 19+10 205+00 204+00

18"MAPLE 14"MAPLE 24"

12"

FF=9.32 FF=9.11 FF=7.59 FF=14.64 FF=10.13 FF=10.09 FF=5.36 FF=15.18

NORTH HALL
(TO BE DEMOLISHED PRIOR TO CONSTRUCTION)

REMOVE EXISTING SIGN

REMOVE EXISTING HYDRANT

RELOCATE EXISTING UTILITY POLE (BY OTHERS) (TYP)

REMOVE EXISTING SIGNS

RELOCATE EXISTING UTILITY POLE (BY OTHERS) (TYP)

REMOVE EXISTING TREES

REMOVE EXISTING TREES

REMOVE EXISTING LIGHT POLE

REMOVE EXISTING CB

EXISTING MONUMENT TO BE REMOVED AND STORED IN A SECURE LOCATION

MAIN ST BASELINE

REMOVE EXISTING CB

REMOVE EXISTING SIGNS

REMOVE EXISTING WOOD GUIDERAIL

REMOVE EXISTING FLAG POLE

REMOVE EXISTING CONC BASE

KEY PLAN

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: AP

CHECKED BY: BB

SCALE IN FEET 0 20 40

SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DEMOLITION PLAN

PROJECT NO. 15-384

DRAWING NO. RDW-02

SHEET NO. **06.03**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DEMO.dwg
DATE/TIME = Jan 24, 2022 - 1:15pm

PROGRESS PRINTS

LEGEND

- BITUMINOUS PAVEMENT REMOVAL LIMITS
- CONCRETE / BITUMINOUS WALK REMOVAL LIMITS
- STRUCTURES / BOLLARDS / POLES / SIGN POSTS TO BE REMOVED

KEY PLAN

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: AP

CHECKED BY: BB

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DEMOLITION PLAN

PROJECT NO. 15-384

DRAWING NO. DEM-03

SHEET NO. **06.04**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DEM0.dwg
DATE/TIME = Jan 24, 2022 - 1:17pm

MATCH LINE SEE DWG NO. DEM-02

REMOVE EXISTING TREE (TYP)
FOR TREE REMOVAL REFER TO TREE
PROTECTION PLANS L-101 - L-103

RELOCATE EXISTING
UTILITY POLE
(BY OTHERS)

BROAD ST BASELINE

NORTH HALL
(TO BE DEMOLISHED
PRIOR TO CONSTRUCTION)
(BY OTHERS)

REMOVE EXISTING SIGN

REMOVE EXISTING
CONC WALK

103+00

102+00

101+00

BROAD ST

REMOVE EXISTING
TREES AS REQUIRED
(TYP)

REMOVE EXISTING
WOOD GUIDERAIL

END PROJECT 15-384
STA 100+90.00

REMOVE EXISTING
BOLLARDS

REMOVE EXISTING
SIGN

REMOVE EXISTING
CONC WALK

RELOCATE EXISTING
UTILITY POLE
(BY OTHERS)
(TYP)

SOUNDVIEW DR

REMOVE EXISTING
CURB

REMOVE EXISTING
SIGNS

REMOVE EXISTING
CB'S

RELOCATE EXISTING
UTILITY POLE
(BY OTHERS)

REMOVE EXISTING SIGN

REMOVE EXISTING
SECURITY GATE

REMOVE EXISTING
CONC WALK

REMOVE EXISTING
TREE (TYP)

RELOCATE EXISTING
UTILITY POLE
(BY OTHERS)
(TYP)

REMOVE EXISTING
SIGN

REMOVE EXISTING
WOOD GUIDERAIL

REMOVE EXISTING
PAVEMENT AND BASE
MATERIAL

SEASIDE PARK

REMOVE EXISTING
TREE (TYP)

REMOVE EXISTING
SIGN

203+00

202+00

201+00

MAIN ST

MAIN ST BASELINE

REMOVE EXISTING
CHAIN LINK FENCE

N

LEGEND

- BITUMINOUS PAVEMENT REMOVAL LIMITS
- CONCRETE / BITUMINOUS WALK REMOVAL LIMITS
- STRUCTURES / BOLLARDS / POLES / SIGN POSTS TO BE REMOVED

KEY PLAN

MATCH LINE SEE DWG NO. DEM-05

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: AP
CHECKED BY: BB
SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: DEMOLITION PLAN

PROJECT NO. 15-384
DRAWING NO. DEM-04
SHEET NO. **06.05**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DEM0.dwg
DATE/TIME = Jan 24, 2022 - 1:18pm

PROGRESS PRINTS

MATCH LINE SEE DWG NO. DEM-02

LINDEN AVE

100+00

CATCH BASIN
FRAME: 7.89'
BOTTOM: 0.39'
NO VISIBLE PIPES

IRF

NORTH HALL

WATER MANHOLE
FRAME: 8.44'
VALVE: 1.94'

BROAD ST

EXISTING TREE TO REMAIN

SOUNDVIEW DRIVE

REMOVE EXISTING TREE (TYP)
FOR TREE REMOVAL REFER TO TREE
PROTECTION PLANS L-101 - L-103

EXISTING TREE TO REMAIN

SEASIDE PARK

REMOVE EXISTING SIGNS

RELOCATE EXISTING
UTILITY POLE
(BY OTHERS)

REMOVE EXISTING SIGNS

REMOVE EXISTING BITUMINOUS PAVEMENT

200+00

END PROJECT 15-384
STA 200+00.00

303+47

303+00

302+00

301+00

18"MAPLE

18"SYCAMORE

24" LOCUST

SOUNDVIEW DRIVE

MATCH LINE SEE INSERT 'A'

MATCH LINE SEE INSERT 'A'

CATCH BASIN
FRAME: 5.46'
PARKED ON

CHK

CATCH BASIN
FRAME: 5.62'
HOOD: 3.35'

LEGEND

- BITUMINOUS PAVEMENT REMOVAL LIMITS
- CONCRETE / BITUMINOUS WALK REMOVAL LIMITS
- STRUCTURES / BOLLARDS / POLES / SIGN POSTS TO BE REMOVED

KEY PLAN

FINAL DESIGN REVIEW

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DEMO.dwg
DATE/TIME = Jan 24, 2022 - 1:19pm

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: AP

CHECKED BY: BB

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DEMOLITION PLAN

PROJECT NO. 15-384

DRAWING NO. DEM-05

SHEET NO. **06.06**

08 - BASELINE LAYOUT PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
08.01	BASELINE LAYOUT PLANS INDEX OF DRAWINGS		
08.02	BASELINE LAYOUT PLAN		
08.03	BASELINE LAYOUT PLAN		

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BASELINE LAYOUT PLANS INDEX OF DRAWINGS

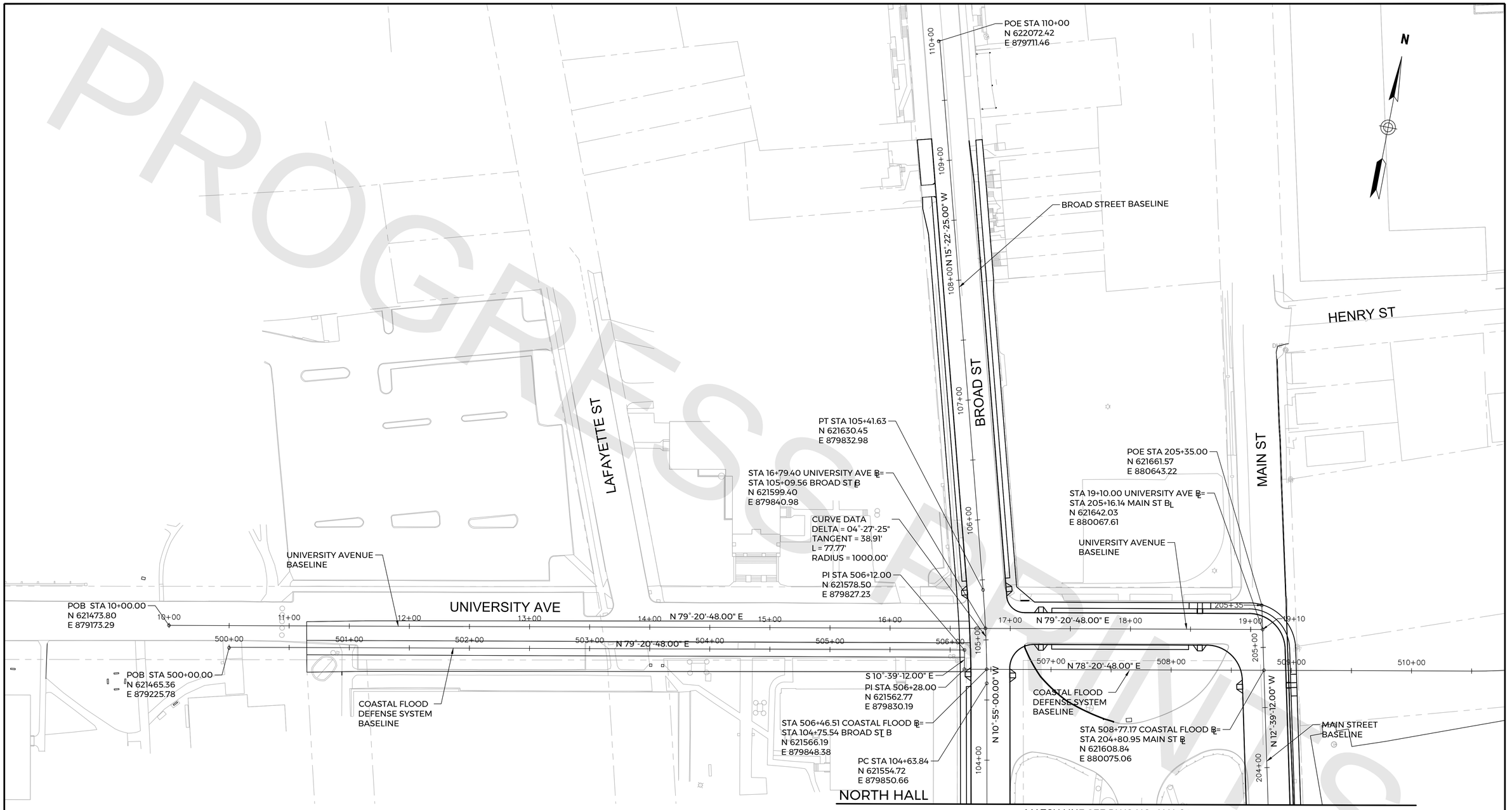
PROJECT NO. 15-384

DRAWING NO. ALN-00

SHEET NO. **08.01**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SUB-COV.dwg
DATE/TIME = Jan 24, 2022 - 7:39pm

PROGRESS PRINTS



FINAL DESIGN REVIEW

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_ALN.dwg
DATE/TIME = Jan 21, 2022 - 7:43pm

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 40 80
NOT TO SCALE
SCALE 1"=40'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BASELINE LAYOUT PLAN

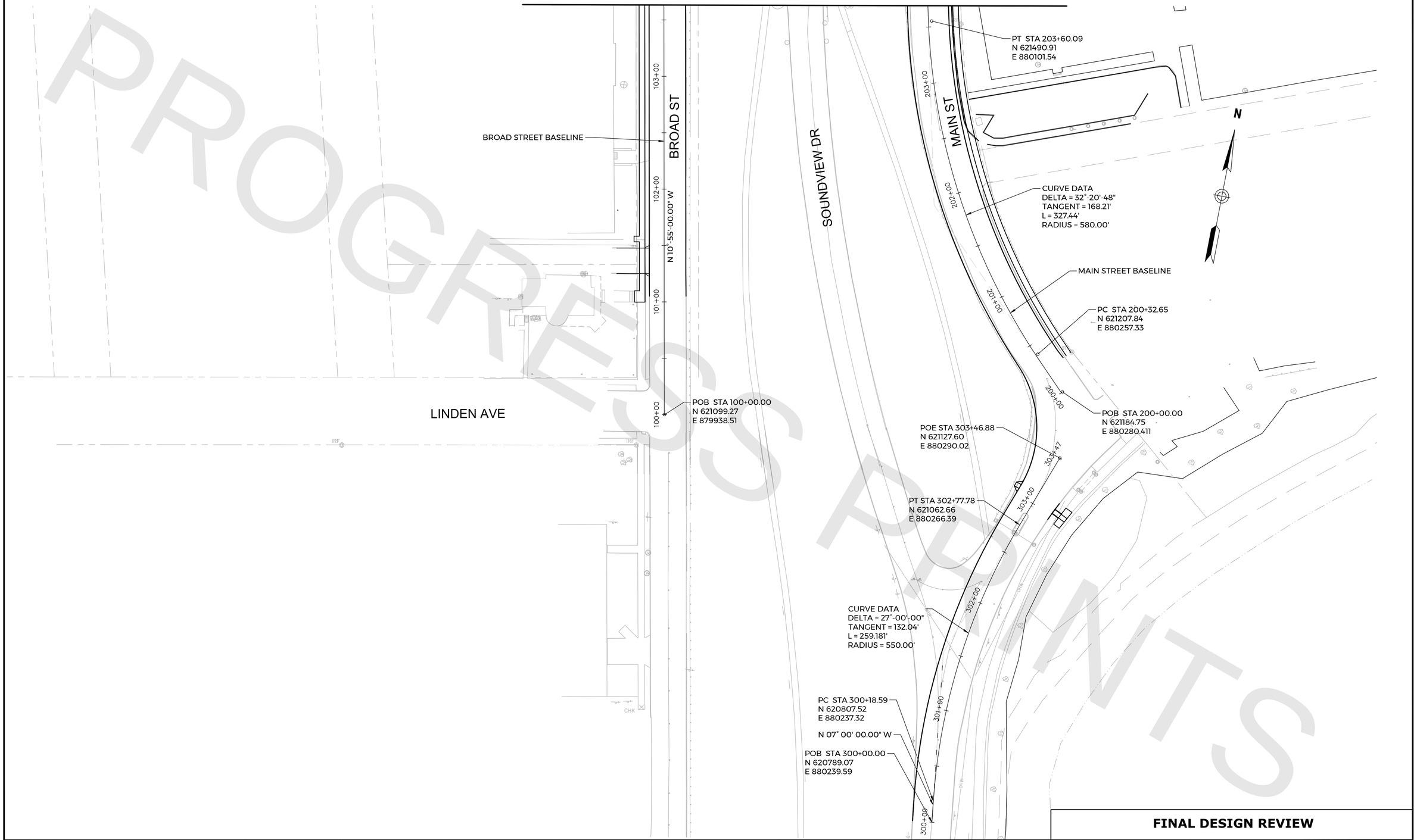
PROJECT NO. 15-384

DRAWING NO. ALN-01

SHEET NO. **08.02**

PROGRESS PRINTS

MATCH LINE SEE DWG NO. ALN-01



FINAL DESIGN REVIEW

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_ALN.dwg
DATE/TIME = Jan 21, 2022 - 7:43pm

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 40 80
NOT TO SCALE
SCALE 1"=40'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BASELINE LAYOUT PLAN

PROJECT NO. 15-384

DRAWING NO. ALN-02

SHEET NO. **08.03**

09 - GENERAL ROADWAY PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
09.01	GENERAL ROADWAY PLANS INDEX OF DRAWINGS		
09.02	GENERAL ROADWAY PLAN		
09.03	GENERAL ROADWAY PLAN		
09.04	GENERAL ROADWAY PLAN		
09.05	GENERAL ROADWAY PLAN		
09.06	GENERAL ROADWAY PLAN		
09.07	GENERAL ROADWAY PLAN		

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: GENERAL ROADWAY PLANS INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. RDW-00

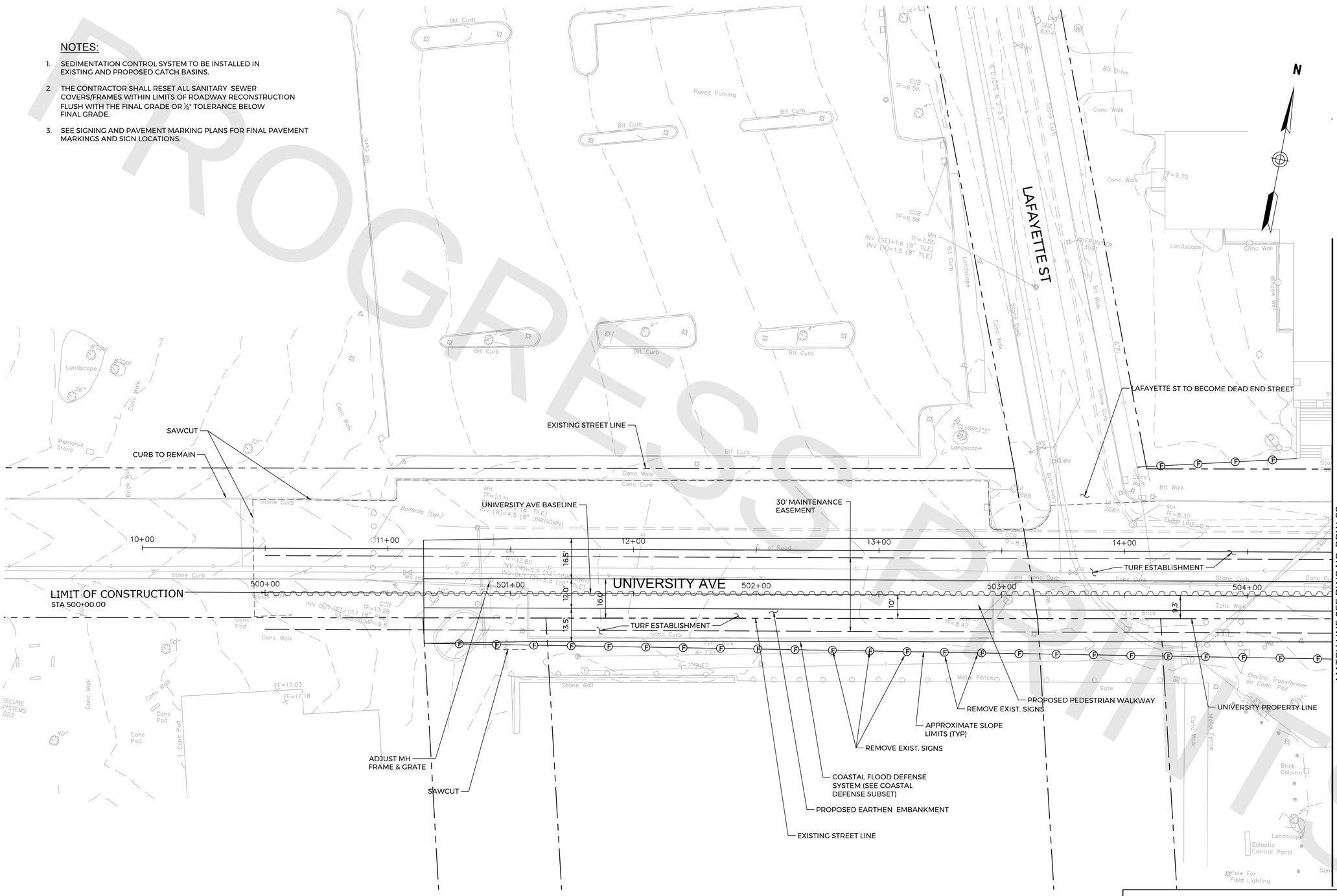
SHEET NO. **09.01**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SUB-COV.dwg
DATE/TIME = Jan 24, 2022 - 8:53pm

PROGRESS PRINTS

NOTES:

1. SEDIMENTATION CONTROL SYSTEM TO BE INSTALLED IN EXISTING AND PROPOSED CATCH BASINS.
2. THE CONTRACTOR SHALL RESET ALL SANITARY SEWER COVERS/FRAMES WITHIN LIMITS OF ROADWAY RECONSTRUCTION FLUSH WITH THE FINAL GRADE OR ⅛" TOLERANCE BELOW FINAL GRADE.
3. SEE SIGNING AND PAVEMENT MARKING PLANS FOR FINAL PAVEMENT MARKINGS AND SIGN LOCATIONS.



KEY PLAN

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET 0 20 40

SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: GENERAL ROADWAY PLAN

PROJECT NO. 15-384

DRAWING NO. RDW-01

SHEET NO. **09.02**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_ROADWAY.dwg
DATE/TIME = Jan 24, 2022 - 8:45pm

PROPOSED

MATCH LINE SEE DWG NO. RDW-03

NOTES:

1. SEDIMENTATION CONTROL SYSTEM TO BE INSTALLED IN EXISTING AND PROPOSED CATCH BASINS.
2. THE CONTRACTOR SHALL RESET ALL SANITARY SEWER COVERS/FRAMES WITHIN LIMITS OF ROADWAY RECONSTRUCTION FLUSH WITH THE FINAL GRADE OR ⅛" TOLERANCE BELOW FINAL GRADE.
3. SEE SIGNING AND PAVEMENT MARKING PLANS FOR FINAL PAVEMENT MARKINGS AND SIGN LOCATIONS.

BROAD ST BASELINE
4' GRASS BUFFER
5' CONCRETE SIDEWALK
APPROXIMATE SLOPE LIMITS (TYP)
METAL BEAM RAIL R-B MASH
CONCRETE SIDEWALK RAMP (TYPE 2A)
SAWCUT
STAIRS (SEE LANDSCAPE ARCHITECTURE PLANS)
R-B END ANCHORAGE TYPE II
CONCRETE SIDEWALK RAMP TYPE 1C
GRANITE CURB
UNIVERSITY AVE BASELINE
UNIVERSITY AVE
MAIN ST
MAIN ST BASELINE
CONCRETE SIDEWALK RAMP TYPE 2A
CONCRETE GRADE BEAM FOR GATE
SEASIDE PARK IMPROVEMENTS (SEE LANDSCAPE ARCHITECTURE PLANS)
CONCRETE SIDEWALK RAMP (TYPE 1)
30' MAINTENANCE EASEMENT
UNIVERSITY PROPERTY LINE
PROPOSED EARTHEN EMBANKMENT
COASTAL FLOOD DEFENSE SYSTEM (SEE COASTAL DEFENSE SUBSET)
NORTH HALL
(TO BE DEMOLISHED BY OTHERS PRIOR TO CONSTRUCTION)
CONCRETE SIDEWALK RAMP TYPE 1C
SEE COSTAL FLOOD DEFENSE SYSTEM PLANS SUBSET 16
MATCH LINE
4' GRASS STRIP
EXISTING STREET LINE
KEY PLAN

MATCH LINE SEE DWG NO. RDW-01
MATCH LINE SEE DWG NO. RDW-04

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

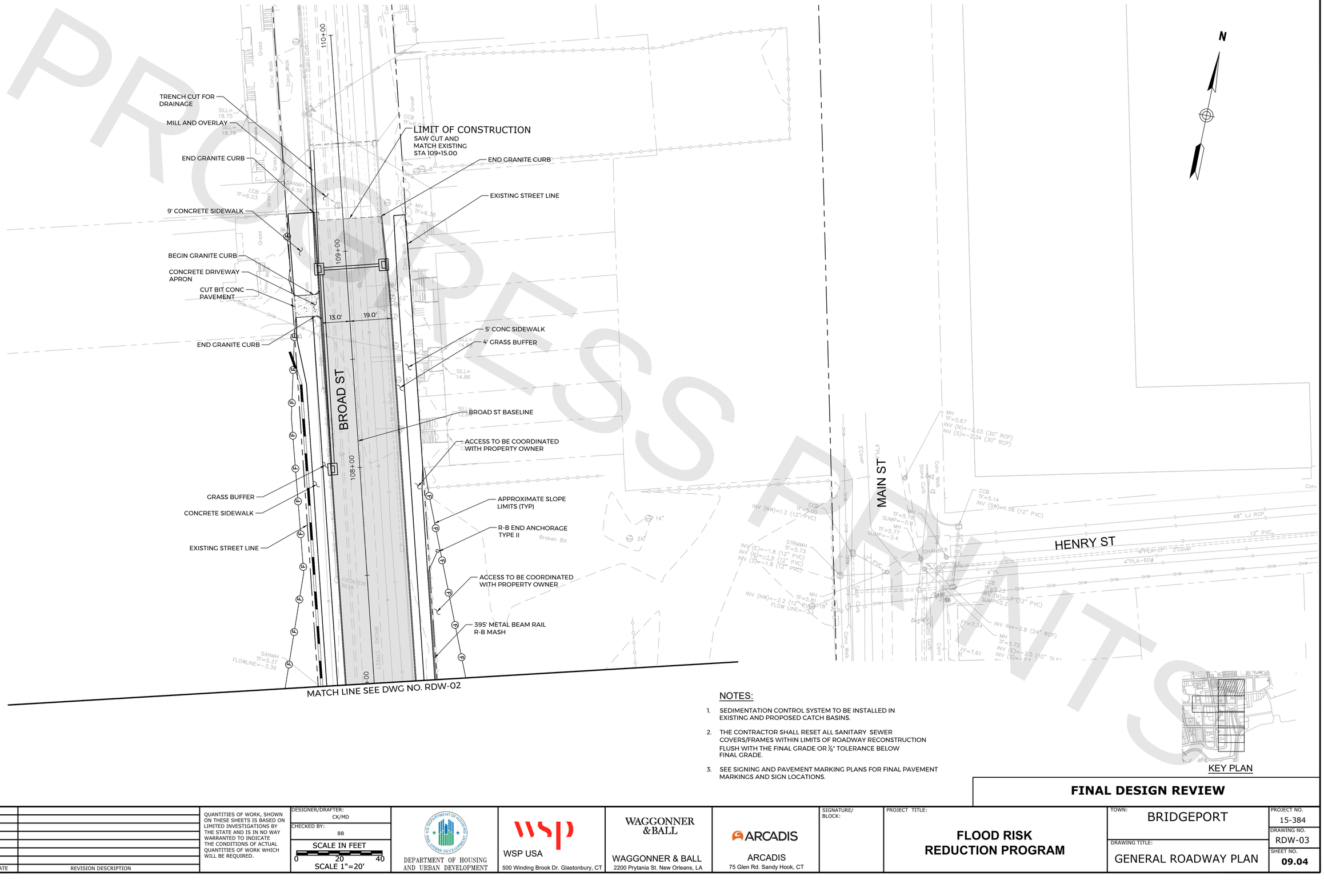
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: GENERAL ROADWAY PLAN

PROJECT NO. 15-384
DRAWING NO. RDW-02
SHEET NO. **09.03**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_ROADWAY.dwg
DATE/TIME = Jan 24, 2022 - 8:47pm

PROGRESS PRINTS



NOTES:

1. SEDIMENTATION CONTROL SYSTEM TO BE INSTALLED IN EXISTING AND PROPOSED CATCH BASINS.
2. THE CONTRACTOR SHALL RESET ALL SANITARY SEWER COVERS/FRAMES WITHIN LIMITS OF ROADWAY RECONSTRUCTION FLUSH WITH THE FINAL GRADE OR ⅛" TOLERANCE BELOW FINAL GRADE.
3. SEE SIGNING AND PAVEMENT MARKING PLANS FOR FINAL PAVEMENT MARKINGS AND SIGN LOCATIONS.

KEY PLAN

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: GENERAL ROADWAY PLAN

PROJECT NO. 15-384
DRAWING NO. RDW-03
SHEET NO. **09.04**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_ROADWAY.dwg
DATE/TIME = Jan 24, 2022 - 8:49pm

MATCH LINE SEE DWG NO. RDW-02

PROGRESS PRINTS

BROAD ST BASELINE

EXISTING STREET LINE

4' GRASS BUFFER

5' CONCRETE SIDEWALK

APPROXIMATE SLOPE LIMITS (TYP)

GRANITE CURB

NORTH HALL
(TO BE DEMOLISHED PRIOR TO CONSTRUCTION)

BEGIN GRANITE CURB

SAWCUT AND MATCH EXISTING

BITUMINOUS CONCRETE DRIVEWAY

CUT BIT CONC PAVEMENT

CONCRETE DRIVEWAY RAMP

END GRANITE CURB

5' CONCRETE SIDEWALK

SAWCUT AND MATCH EXISTING

4' GRASS BUFFER

BEGIN GRANITE CURB

LIMIT OF CONSTRUCTION
SAW CUT AND MATCH EXISTING
STA 101+05

BEGIN GRANITE CURB

BROAD ST

SOUNDVIEW DR

MAIN ST

GRANITE CURB

SEASIDE PARK

SEASIDE PARK IMPROVEMENTS
(SEE LANDSCAPE ARCHITECTURE PLANS)

SOUNDVIEW DR

LIMIT OF CONSTRUCTION
SAW CUT AND MATCH EXISTING
STA 200+25.00

4' GRASS BUFFER

5' CONCRETE SIDEWALK

MAIN ST BASELINE

GRANITE CURB

APPROXIMATE SLOPE LIMITS (TYP)

EXISTING STREET LINE

KEY PLAN

MATCH LINE SEE DWG NO. RDW-05

NOTES:

1. SEDIMENTATION CONTROL SYSTEM TO BE INSTALLED IN EXISTING AND PROPOSED CATCH BASINS.
2. THE CONTRACTOR SHALL RESET ALL SANITARY SEWER COVERS/FRAMES WITHIN LIMITS OF ROADWAY RECONSTRUCTION FLUSH WITH THE FINAL GRADE OR ⅛" TOLERANCE BELOW FINAL GRADE.
3. SEE SIGNING AND PAVEMENT MARKING PLANS FOR FINAL PAVEMENT MARKINGS AND SIGN LOCATIONS.

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: GENERAL ROADWAY PLAN

PROJECT NO. 15-384

DRAWING NO. RDW-04

SHEET NO. **09.05**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_ROADWAY.dwg
DATE/TIME = Jan 24, 2022 - 8:50pm

PROGRESS PRINTS

MATCH LINE SEE DWG NO. RDW-04

LINDEN AVE

NORTH HALL

BROAD ST

SEASIDE PARK

SOUNDVIEW DR

SOUNDVIEW DR

100+00

200+00

303+47

303+00

302+00

CATCH BASIN
FRAME: 7.89'
BOTTOM: 0.39'
NO VISIBLE PIPES

WATER MANHOLE
FRAME: 8.44'
VALVE: 1.94'

SEE LANDSCAPE PLANS

RETAIN EXISTING CURB

MATCH LINE SEE DWG NO. RDW-06

N

NOTES:

1. SEDIMENTATION CONTROL SYSTEM TO BE INSTALLED IN EXISTING AND PROPOSED CATCH BASINS.
2. THE CONTRACTOR SHALL RESET ALL SANITARY SEWER COVERS/FRAMES WITHIN LIMITS OF ROADWAY RECONSTRUCTION FLUSH WITH THE FINAL GRADE OR ⅛" TOLERANCE BELOW FINAL GRADE.
3. SEE SIGNING AND PAVEMENT MARKING PLANS FOR FINAL PAVEMENT MARKINGS AND SIGN LOCATIONS.

KEY PLAN

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: GENERAL ROADWAY PLAN

PROJECT NO. 15-384
DRAWING NO. RDW-05
SHEET NO. **09.06**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_ROADWAY.dwg
DATE/TIME = Jan 24, 2022 - 8:51pm

PROGRESS PRINTS

MATCH LINE SEE DWG NO. RDW-05

NORTH HALL

BEGIN MILL & OVERLAY
STA 300+00.00

BEGIN CURB

300+00

SEASIDE PARK

CATCH BASIN
FRAME: 5.62'
HOOD: 3.35'

CATCH BASIN
FRAME: 5.46'
PARKED ON

CHK

INVERT
LINK, RCP
ELEV: 0.37'

KEY PLAN

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: GENERAL ROADWAY PLAN

PROJECT NO. 15-384
DRAWING NO. RDW-06
SHEET NO. **09.07**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_ROADWAY.dwg
DATE/TIME = Jan 24, 2022 - 8:55pm

10 - PROFILES
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
10.01	PROFILES INDEX OF DRAWINGS		
10.02	BROAD STREET PROFILE		
10.03	BROAD STREET PROFILE		
10.04	UNIVERSITY AVENUE PROFILE		
10.05	UNIVERSITY AVENUE PROFILE		
10.06	MAIN STREET PROFILE		
10.07	FLOODWALL PROFILE		
10.08	FLOODWALL PROFILE		

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: PROFILES INDEX OF DRAWINGS

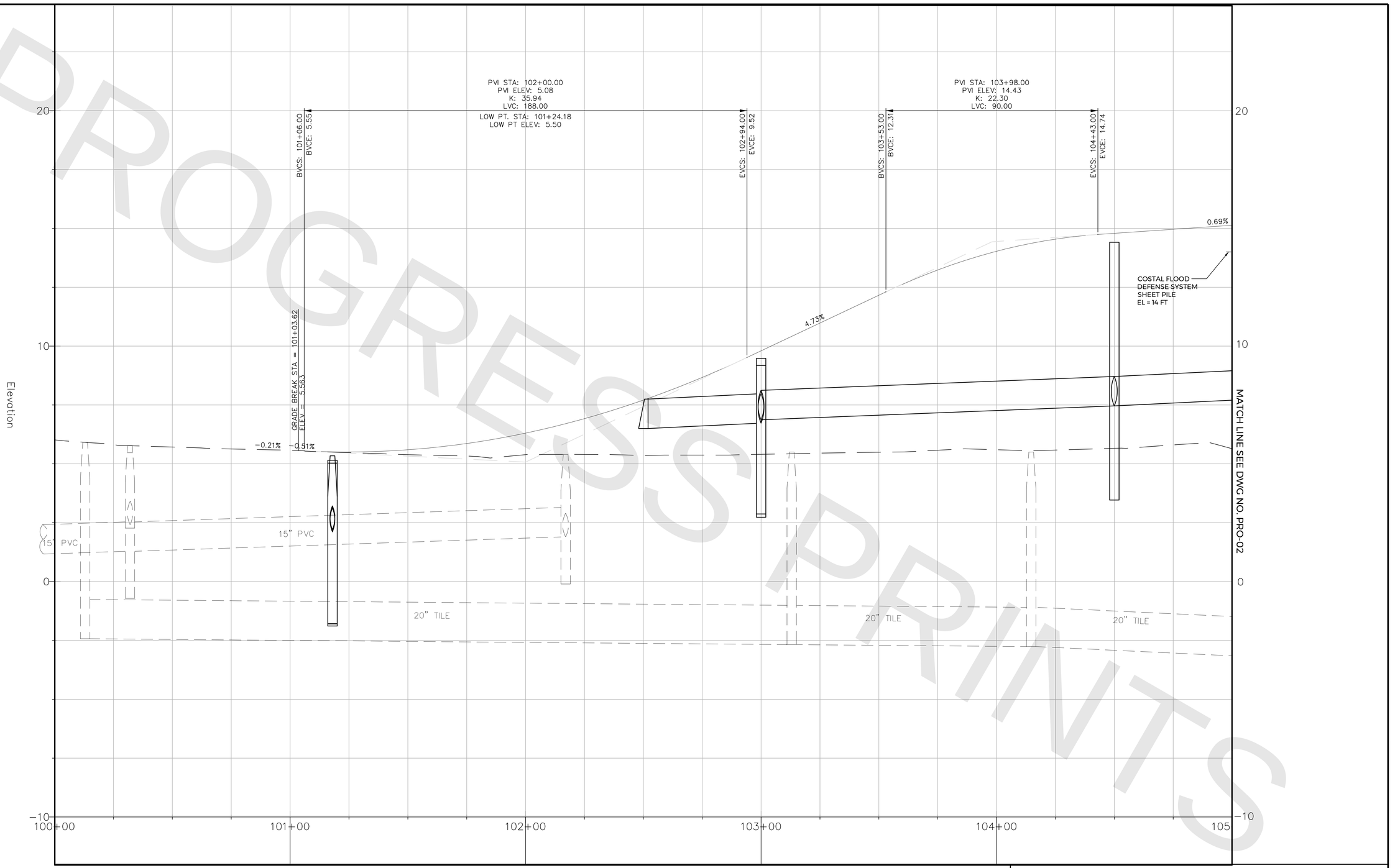
PROJECT NO. 15-384

DRAWING NO. PRO-00

SHEET NO. **10.01**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SUB-COV.dwg
DATE/TIME = Jan 24, 2022 - 7:40pm

PROGRESS PRINTS



FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

HORIZ. SCALE IN FEET: 0 20 40

VERT. SCALE IN FEET: 0 2 4

NOT TO SCALE

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BROAD STREET PROFILE

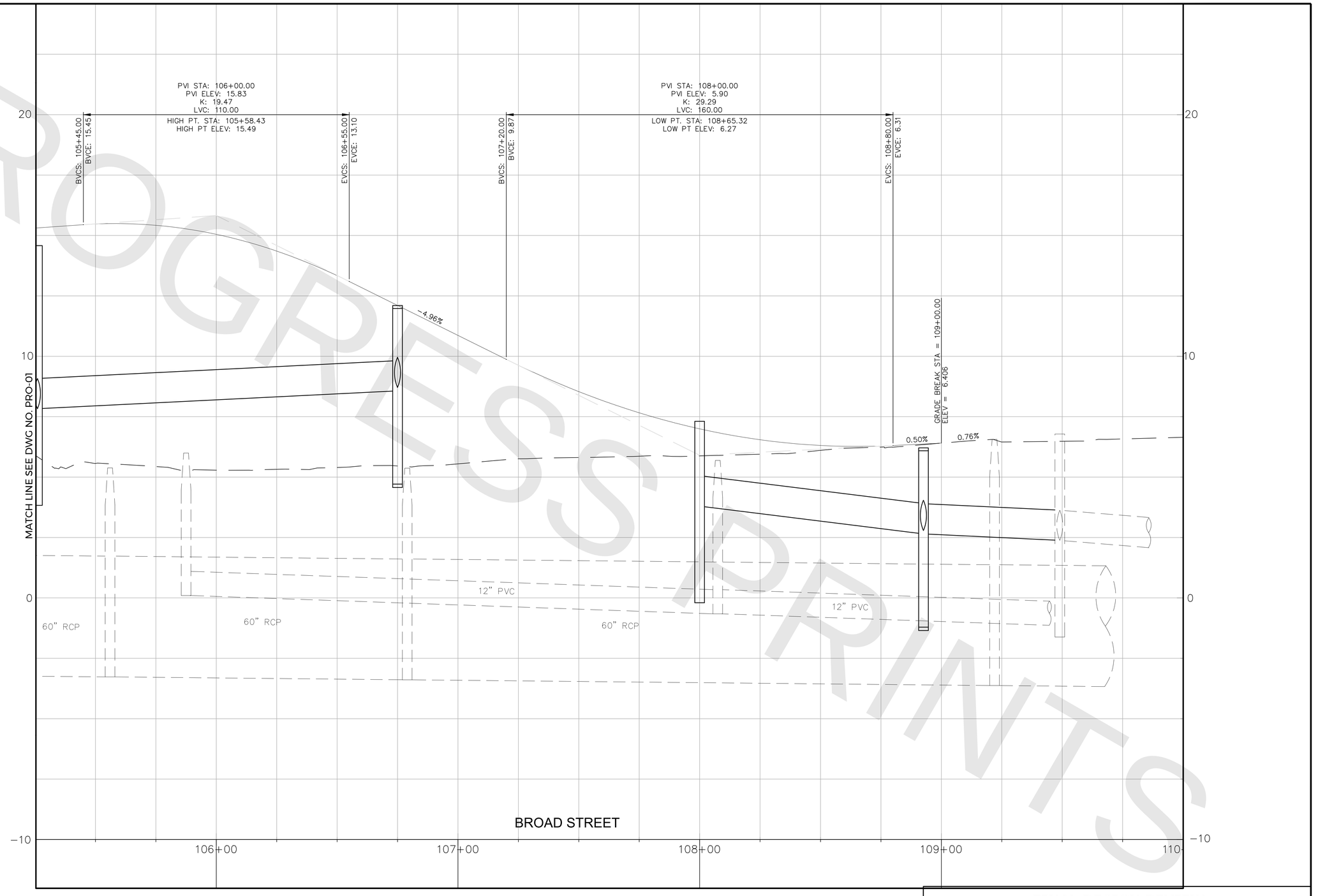
PROJECT NO. 15-384

DRAWING NO. PRO-01

SHEET NO. **10.02**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_PRO.dwg
DATE/TIME = Jan 21, 2022 - 4:48pm

PROGRESS PRINTS



FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

HORIZ. SCALE IN FEET
0 20 40
NOT TO SCALE
VERT. SCALE IN FEET
0 2 4

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

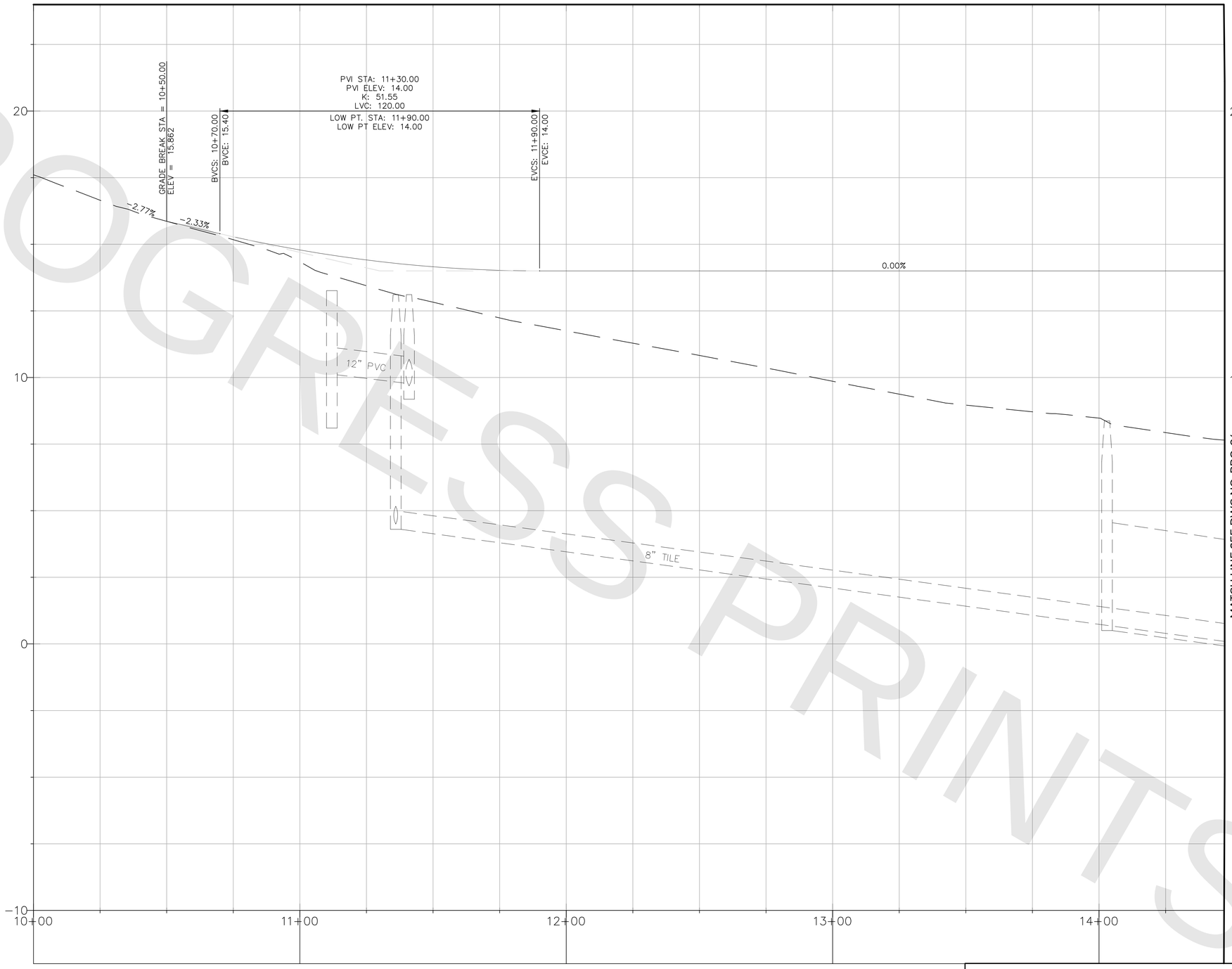
DRAWING TITLE: BROAD STREET PROFILE

PROJECT NO. 15-384

DRAWING NO. PRO-02

SHEET NO. **10.03**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_PRO.dwg
DATE/TIME = Jan 21, 2022 - 4:49pm



PROGRESS PRINTS

FINAL DESIGN REVIEW

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_PRO.dwg
DATE/TIME = Jan 21, 2022 - 4:49pm

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

HORIZ. SCALE IN FEET
0 20 40
NOT TO SCALE
VERT. SCALE IN FEET
0 2 4

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

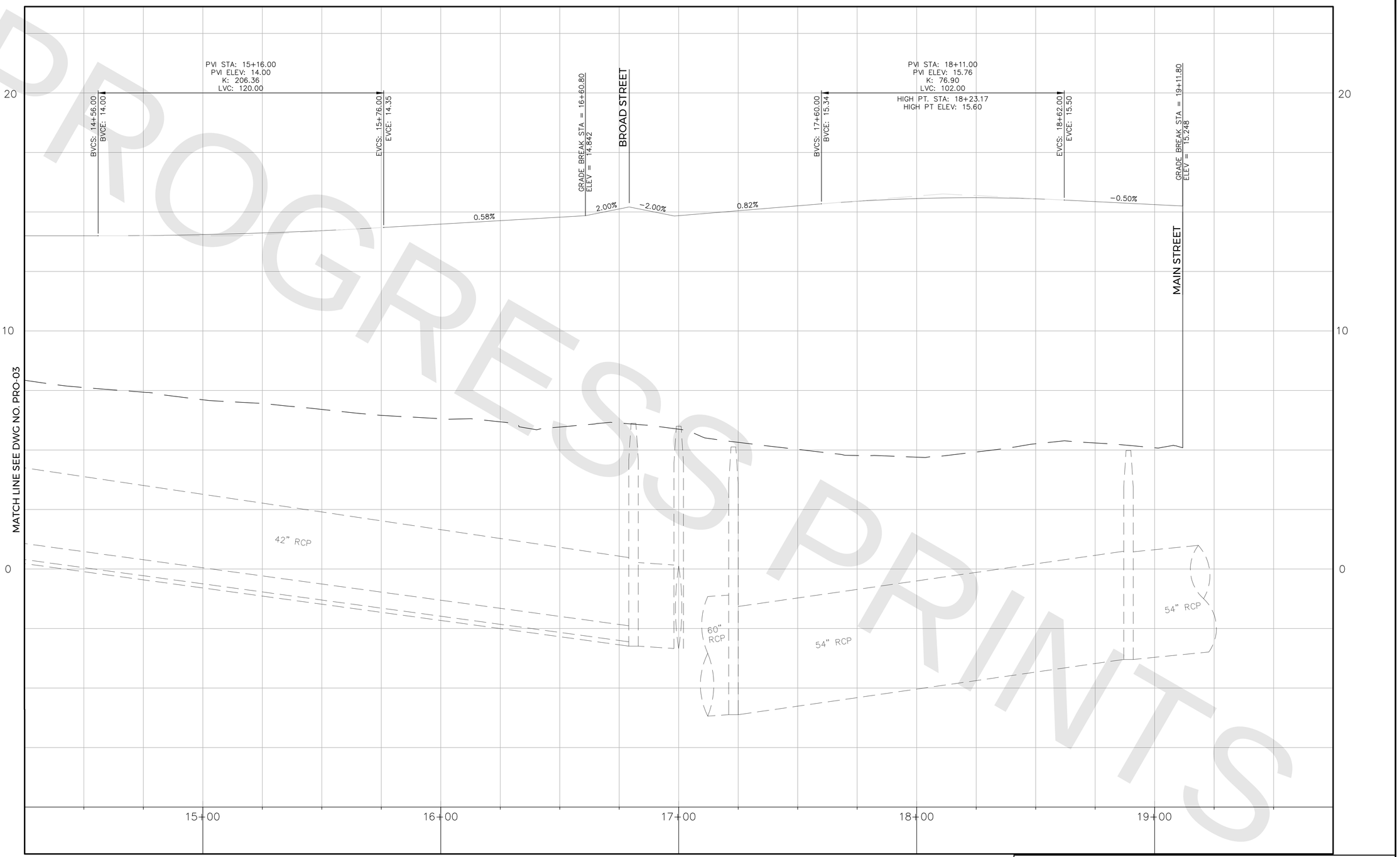
DRAWING TITLE: UNIVERSITY AVENUE PROFILE

PROJECT NO. 15-384

DRAWING NO. PRO-03

SHEET NO. **10.04**

PROGRESS PRINTS



FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

HORIZ. SCALE IN FEET
0 20 40
NOT TO SCALE
VERT. SCALE IN FEET
0 2 4

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: UNIVERSITY AVENUE PROFILE

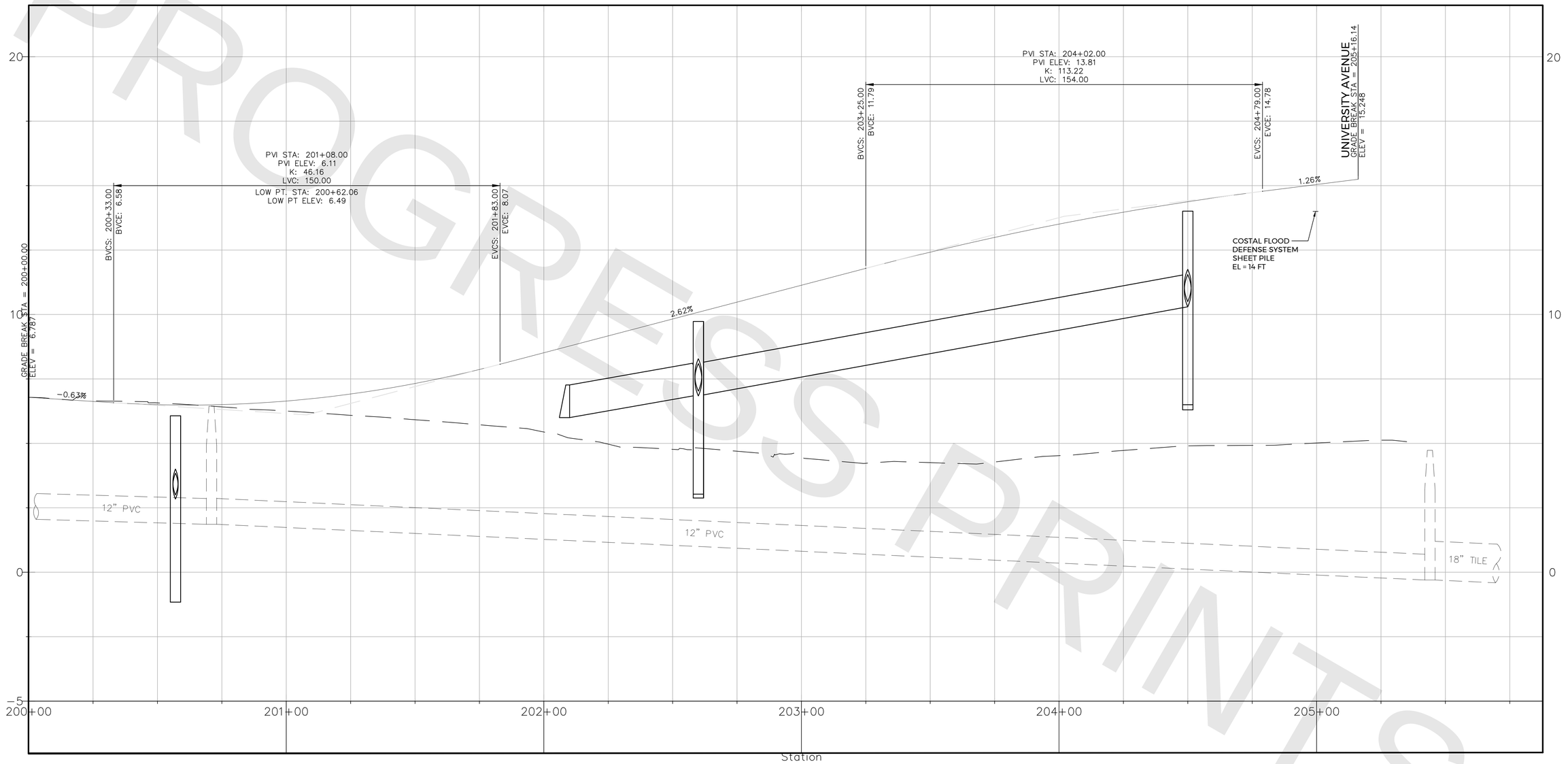
PROJECT NO. 15-384

DRAWING NO. PRO-04

SHEET NO. **10.05**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_PRO.dwg
DATE/TIME = Jan 21, 2022 - 4:50pm

PROGRESS PRINTS



FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_PRO.dwg
DATE/TIME = Jan 21, 2022 - 4:50pm

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
HORIZ. SCALE IN FEET 0 20 40
NOT TO SCALE
VERT. SCALE IN FEET 0 2 4

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

FINAL DESIGN REVIEW

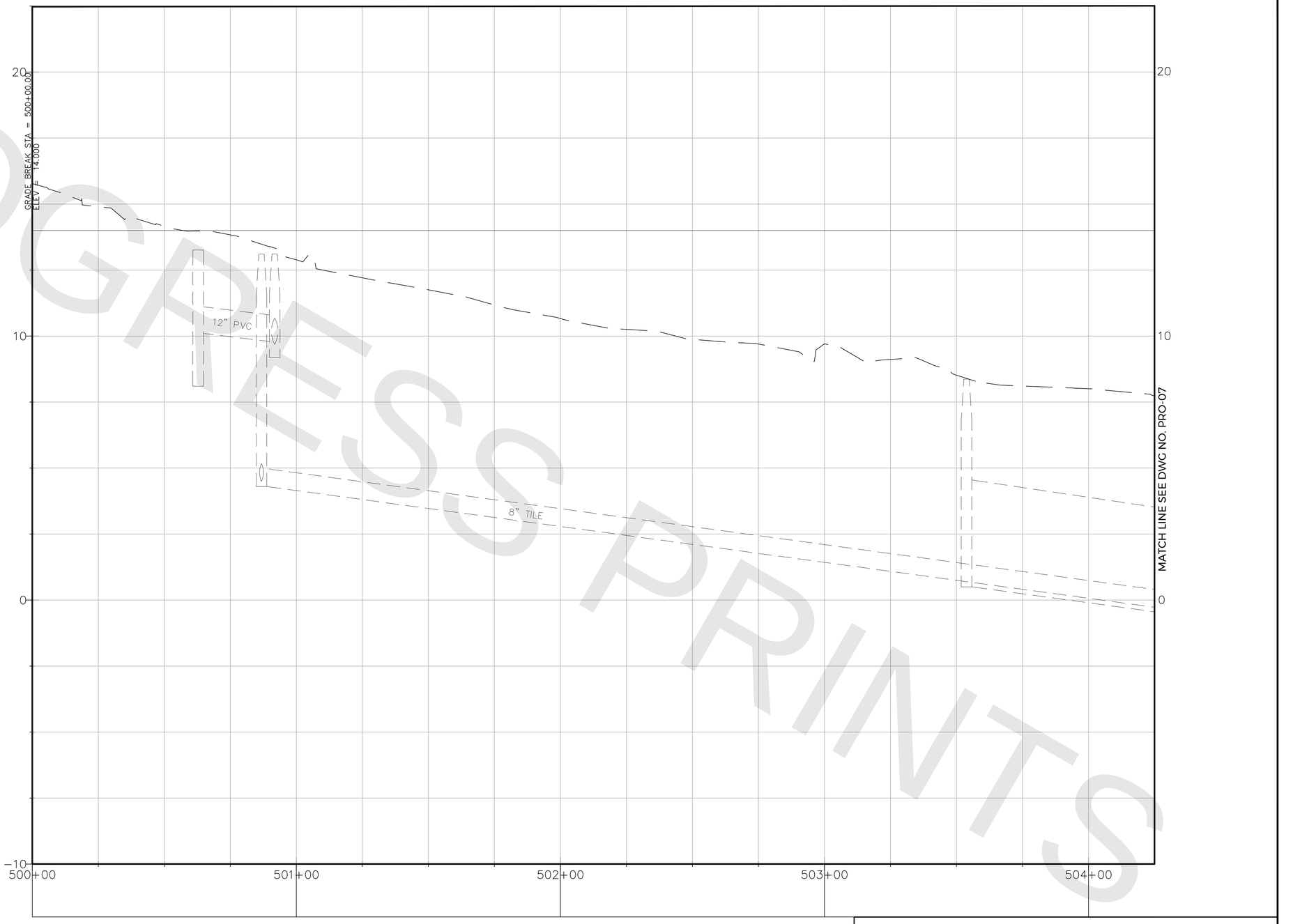
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MAIN STREET PROFILE

PROJECT NO. 15-384
DRAWING NO. PRO-05
SHEET NO. **10.06**

PROGRESS PRINTS



FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

HORIZ. SCALE IN FEET
0 20 40
NOT TO SCALE
VERT. SCALE IN FEET
0 2 4

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

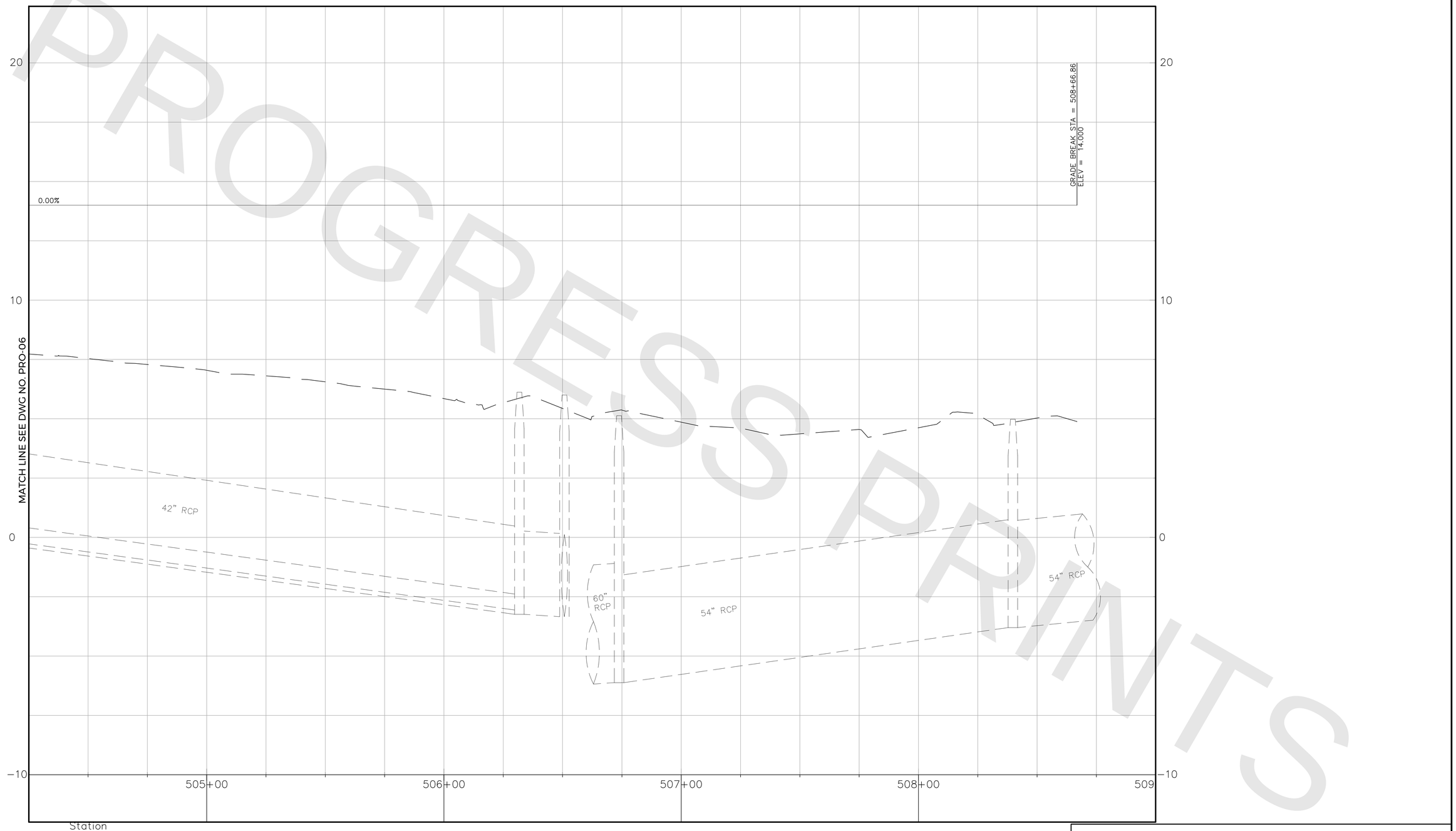
DRAWING TITLE: FLOODWALL PROFILE

PROJECT NO. 15-384

DRAWING NO. PRO-06

SHEET NO. **10.07**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_PRO.dwg
DATE/TIME = Jan 21, 2022 - 4:50pm



PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

HORIZ. SCALE IN FEET
0 20 40
NOT TO SCALE
VERT. SCALE IN FEET
0 2 4

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FLOODWALL PROFILE

PROJECT NO. 15-384

DRAWING NO. PRO-07

SHEET NO. **10.08**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_PRO.dwg
DATE/TIME = Jan 21, 2022 - 4:51pm

11 - DRAINAGE PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
11.01	DRAINAGE PLANS INDEX OF DRAWINGS		
11.02	DRAINAGE PLAN - 1		
11.03	DRAINAGE PLAN - 2		
11.04	DRAINAGE PLAN - 3		
11.05	DRAINAGE PLAN - 4		
11.06	DRAINAGE PLAN - 5		
11.07	FORCE MAIN PLAN		
11.08	FORCE MAIN PLAN		
11.09	FORCE MAIN PROFILE		
11.10	FORCE MAIN PLAN		
11.11	FORCE MAIN PLAN		

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: SG/MD

CHECKED BY: BB

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DRAINAGE PLANS INDEX OF DRAWINGS

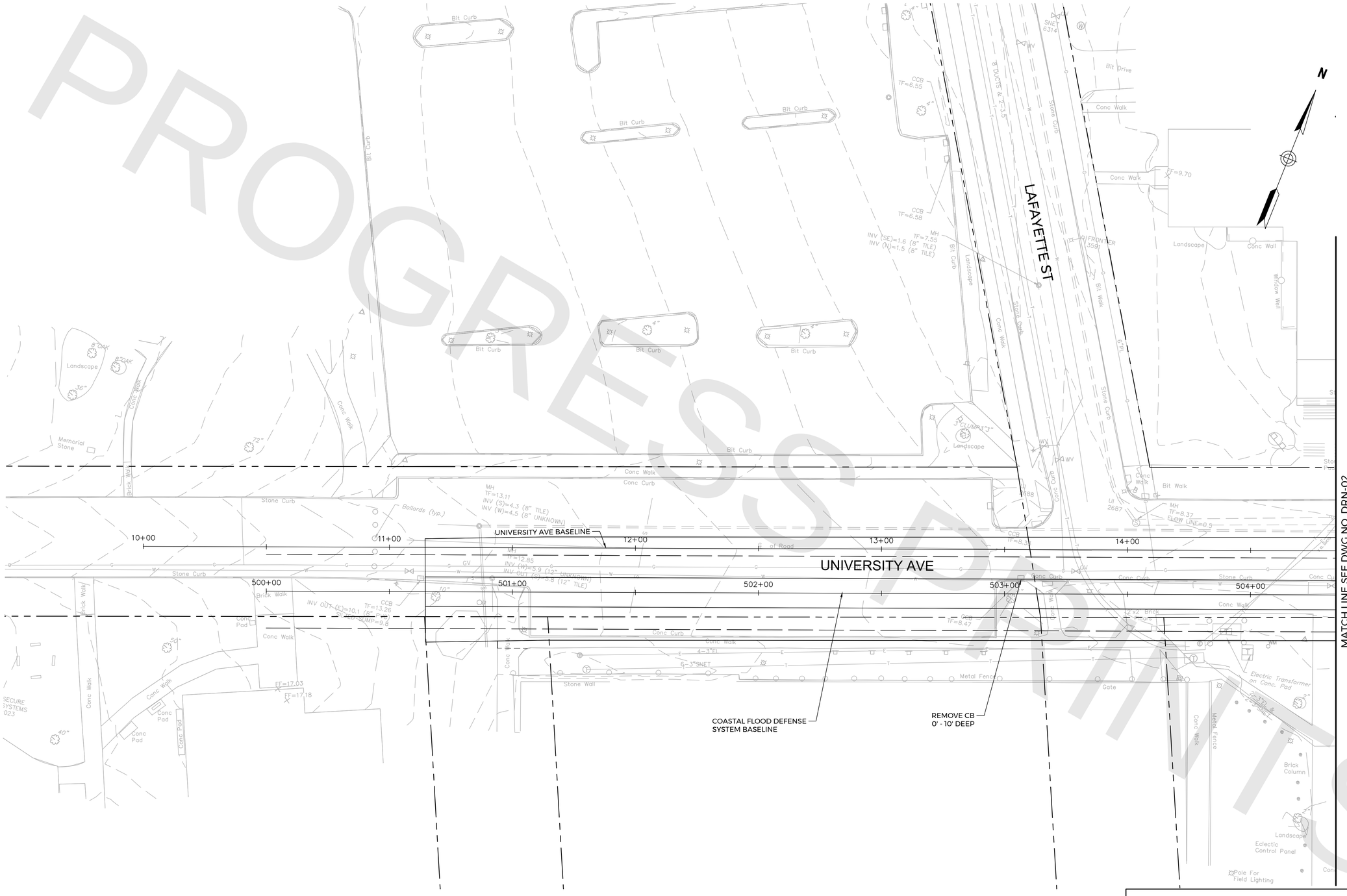
PROJECT NO. 15-384

DRAWING NO. DRN-00

SHEET NO. **11.01**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SUB-COV.dwg
DATE/TIME = Jan 25, 2022 - 9:46am

PROGRESS PRINTS



FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DRAINAGE PLAN - 1

PROJECT NO. 15-384

DRAWING NO. DRN-01

SHEET NO. **11.02**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DRN.dwg
DATE/TIME = Jan 24, 2022 - 7:53pm

PROGRESS PRINTS

MATCH LINE SEE DWG NO. DRN-03

MATCH LINE SEE DWG NO. DRN-01

MATCH LINE SEE DWG NO. DRN-04

BROAD ST

MAIN ST

UNIVERSITY AVE

TYPE 'C' CB - 0-10' DEEP
TF = 11.98
INV = 8.57

MH (SAN SEWER)
OVER 10' DEEP

148' - 15" RC PIPE -
0' - 10' DEEP

TYPE 'C' CB - 0'-10' DEEP
TF = 12.10
INV = 8.71

28' - 15" RC PIPE -
0' - 10' DEEP

MH (SAN SEWER)
OVER 10' DEEP

BROAD ST BASELINE

REMOVE PIPE
0' - 10' DEEP

REMOVE CB
0' - 10' DEEP

MH (SAN SEWER)
OVER 10' DEEP

REMOVE CB
0' - 10' DEEP

MH (SAN SEWER)
OVER 10' DEEP

TYPE 'C' CB - 0'-10' DEEP
TF = 14.58
INV = 7.83

MH (SAN SEWER) OVER 10' DEEP

UNIVERSITY AVE BASELINE

REMOVE MH
0' - 10' DEEP

MH (SAN SEWER)
OVER 10' DEEP

REMOVE CB & PIPE
0' - 10' DEEP

REMOVE CB & PIPE
0' - 10' DEEP

COASTAL FLOOD
DEFENSE SYSTEM
BASELINE

REMOVE CB & PIPE
0' - 10' DEEP

74' - 15" RC PIPE -
0' - 10' DEEP

TYPE 'C' CB - 0'-10' DEEP
TF = 14.41
INV = 7.46

MH (SAN SEWER)
OVER 10' DEEP

146' - 15" RC PIPE CLASS V -
0' - 10' DEEP

MH (SAN SEWER)
OVER 10' DEEP

32' - 15" RC PIPE - 0' - 10' DEEP

TYPE 'C' CB - 0'-10' DEEP
TF = 14.01
INV = 10.50

TYPE 'C' CB - 0'-10' DEEP
TF = 14.01
INV = 10.50

MAIN ST BASELINE

188' - 15" RC PIPE CLASS V -
0' - 10' DEEP

REMOVE CB
0' - 10' DEEP

KEY PLAN

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DRAINAGE PLAN - 2

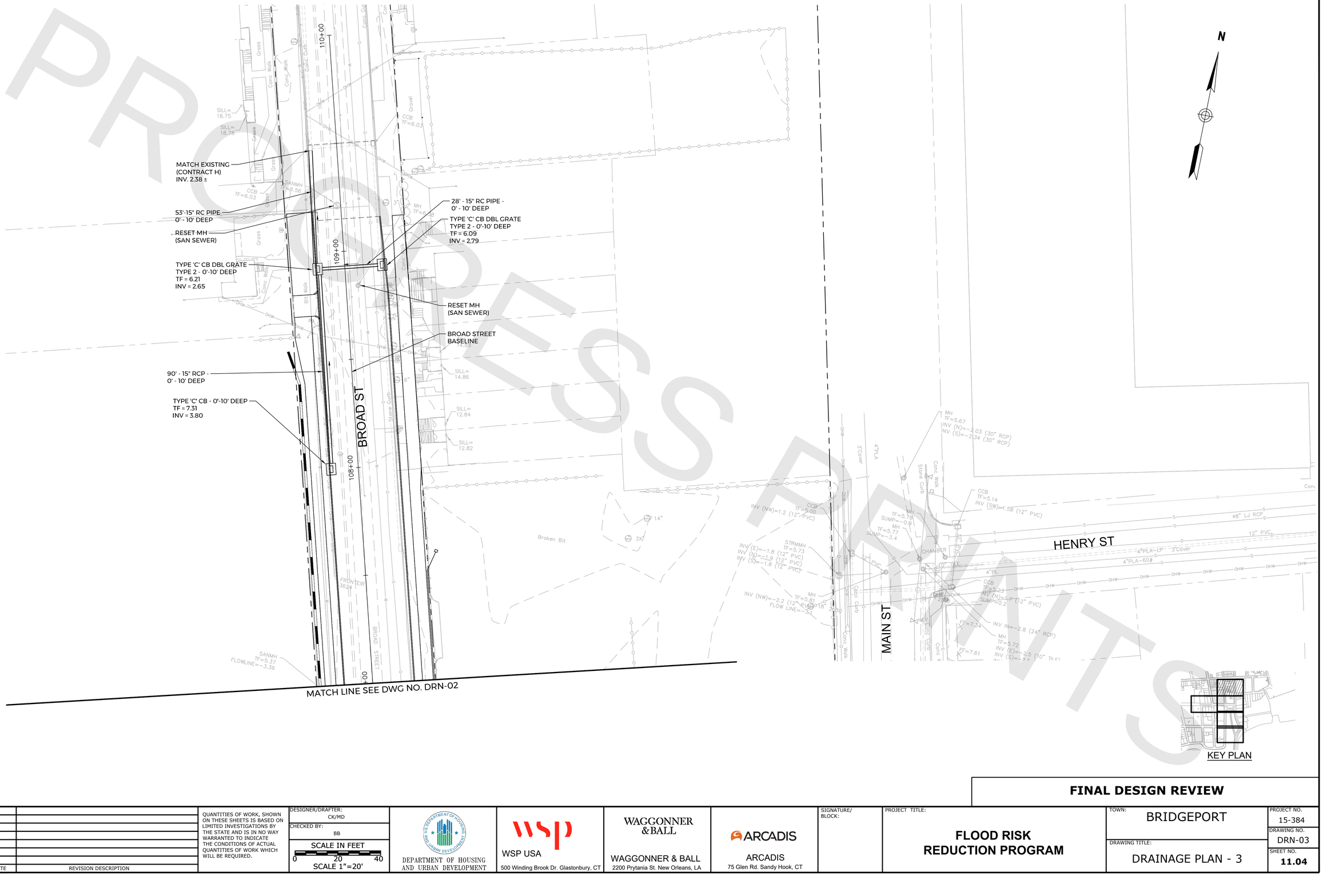
PROJECT NO. 15-384

DRAWING NO. DRN-02

SHEET NO. **11.03**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DRN.dwg
DATE/TIME = Jan 24, 2022 - 7:57pm

PROGRESS PRINTS



FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET 0 20 40

SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DRAINAGE PLAN - 3

PROJECT NO. 15-384

DRAWING NO. DRN-03

SHEET NO. **11.04**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DRN.dwg
DATE/TIME = Jan 24, 2022 - 8:10pm

MATCH LINE SEE DWG NO. DRN-02

MH (SAN SEWER)
OVER 10' DEEP

28' - 15" RC PIPE CLASS V -
0' - 10' DEEP

TYPE 'C' CB - 0'-10" DEEP
TF = 9.48
INV = 6.87

BROAD ST BASELINE

RESET MH
(CONTRACT H)
TF = 6.60

RESET CB
(CONTRACT H)
TF = 6.23

DRAINAGE PREVIOUSLY
CONSTRUCTED UNDER
CONTRACT H

5 '- 12" DI PIPE -
0' - 10' DEEP

TYPE 'C' CB - 0'-10" DEEP
TF = 5.15
INV = 2.20

MANHOLE - 0'-10" DEEP
OVER EXISTING
(CONTRACT H) PIPE
TF = 5.34
INV = 2.11

TYPE 'C' CB - 0'-10" DEEP
TF = 9.36
INV = 6.73

53' - 15" RC PIPE CLASS V -
0' - 10' DEEP

15" RCCE
INV = 6.50

PREFORMED SCOUR HOLE
TYPE 1 WITH MODIFIED
RIPRAP

REMOVE PIPE
0' - 10' DEEP

REMOVE CB
0' - 10' DEEP

TYPE 'C' CB - 0' - 10" DEEP
TF = 5.03
INV = 2.21

19' - 12" DI PIPE -
0' - 10' DEEP

188' - 15" RC PIPE CLASS V -
0' - 10' DEEP

TYPE 'C' CB - 0'-10" DEEP
TF = 9.73
INV = 6.88

166' - 15" RC PIPE CLASS V -
0' - 10' DEEP

15" RCCE
INV = 6.00

PREFORMED SCOUR HOLE
TYPE 1 WITH MODIFIED
RIPRAP

TYPE 'C' CB DBL GRATE
TYPE 2 - 0'-10' DEEP
TF = 6.07
INV = 2.84

REMOVE CB
0' - 10' DEEP

TYPE 'C' CB - 0'-10" DEEP
TF = 9.73
INV = 7.04

32' - 15" RC PIPE CLASS V -
0' - 10' DEEP

REMOVE CB
0' - 10' DEEP

REMOVE PIPE
0' - 10' DEEP

REMOVE CB
0' - 10' DEEP

MAIN ST BASELINE

REMOVE CB
0' - 10' DEEP

32' - 12" DI PIPE - 0-10' DEEP

TYPE 'C' CB DBL GRATE
TYPE 2 - 0'-10' DEEP
TF = 6.07
INV = 3.00

BROAD ST

SOUNDVIEW DR

MAIN ST

SEASIDE PARK

BROAD STREET

MATCH LINE SEE DWG NO. DRN-05

KEY PLAN

PROGRESS PRINTS

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DRAINAGE PLAN - 4

PROJECT NO. 15-384
DRAWING NO. DRN-04
SHEET NO. **11.05**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DRN.dwg
DATE/TIME = Jan 24, 2022 - 8:11pm

MATCH LINE SEE DWG NO. DRN-04

PROGRESS PRINTS

LINDEN AVE

BROAD ST

SOUNDVIEW DR

SEASIDE PARK

MAIN ST

100+00

200+00

303+47

303+00

302+00

301+00

Stone Curb

CATCH BASIN
FRAME: 7.89'
BOTTOM: 0.39'
NO VISIBLE PIPES

WATER MANHOLE
FRAME: 8.44'
VALVE: 1.94'

CATCH BASIN
FRAME: 5.62'
HOOD: 3.35'

CATCH BASIN
FRAME: 5.46'
PARKED ON

CONCRETE ENDWALL

CONCRETE HEADWALL

LIMIT OF DISTURBANCE

195' LEVEL SPREADER

INTERMEDIATE RIPRAP , FILL VOIDS WITH TOPSOIL AND SEED WITH SHORELINE GRASS

86' - 7'W x 3'H PRECAST CONCRETE BOX CULVERT

N

KEY PLAN

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET 0 20 40

SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DRAINAGE PLAN - 5

PROJECT NO. 15-384

DRAWING NO. DRN-05

SHEET NO. **11.06**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DRN.dwg
DATE/TIME = Jan 24, 2022 - 8:15pm

PROGRESS PRINTS

12 " WATER MAIN
8" SEWER MAIN
20" SEWER MAIN
4" GAS LINE
6" GAS LINE
42" SEWER MAIN
60" SEWER MAIN
48" SEWER MAIN
54" SEWER MAIN
10 " WATER MAIN
PROPOSED 36" FORCE MAIN
PROPOSED 18" FORCE MAIN
BROAD ST
MAIN ST
UNIVERSITY AVE
SEE DRAWING FM-02

Sta: 102+48.99 N: 621757.5398 E: 880067.5710
Sta: 102+47.49 N: 621754.3680 E: 880070.0630
Sta: 102+54.34 N: 621753.0083 E: 880064.7410
Sta: 102+56.02 N: 621752.2573 E: 880069.0084
Sta: 103+57.23 N: 621652.7355 E: 880087.8034
Sta: 104+75.48 N: 621651.6960 E: 880091.7360
Sta: 103+63.73 N: 621647.4025 E: 880084.4960
Sta: 104+81.58 N: 621643.8397 E: 880086.9043
Sta: 104+75.11 N: 621619.0793 E: 879983.7466
Sta: 104+68.47 N: 621623.8383 E: 879982.3945
Sta: 104+73.37 N: 621619.6847 E: 879979.7879
Sta: 104+70.07 N: 621620.4705 E: 879984.7498
Sta: 105+32.49 N: 621563.1486 E: 879997.0658
Sta: 105+38.80 N: 621557.5815 E: 879994.1049
Sta: 105+48.40 N: 621554.7758 E: 879984.9240
Sta: 105+70.49 N: 621566.1987 E: 879968.8690
Sta: 105+37.53 N: 621558.1891 E: 879995.6644
28 N: 621519.976' E: 880077.482' EL 4.122' TRV SPK

FINAL DESIGN REVIEW

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_FORCE MAIN.dwg
DATE/TIME = Jan 24, 2022 - 1:25pm

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: FORCE MAIN PLAN

PROJECT NO. 15-384
DRAWING NO. FM-01
SHEET NO. **11.07**

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FORCE MAIN PLAN

PROJECT NO. 15-384

DRAWING NO. FM-02

SHEET NO. **11.08**

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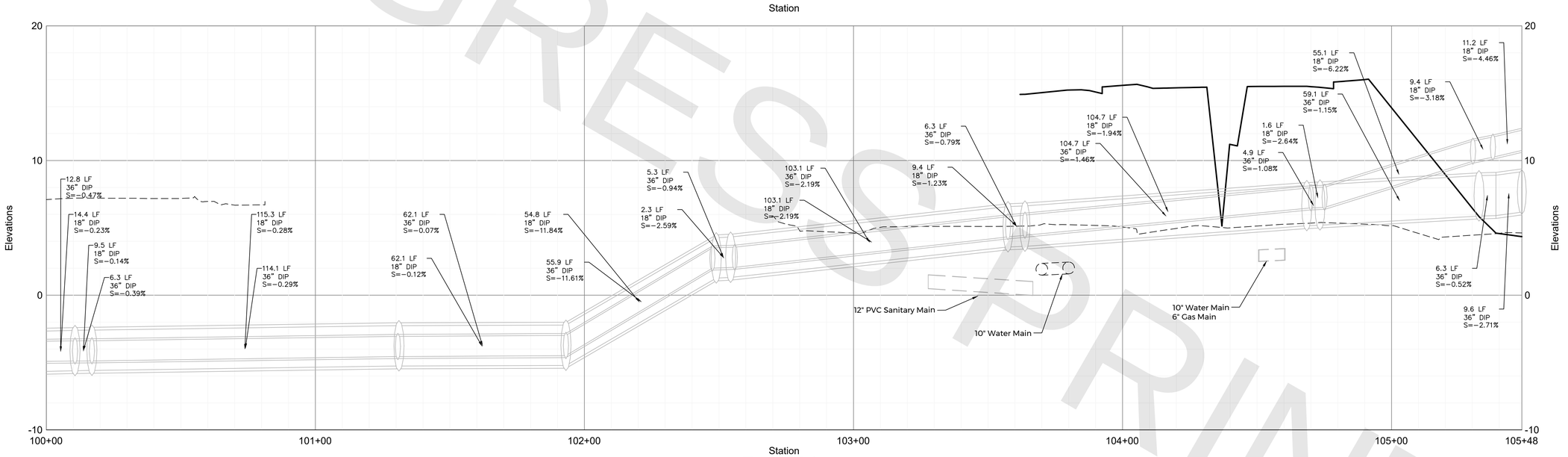
PROGRESS PRINTS



Force Main

FINAL DESIGN REVIEW

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DATE/TIME = Jan 24, 2022 - 9:07pm

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

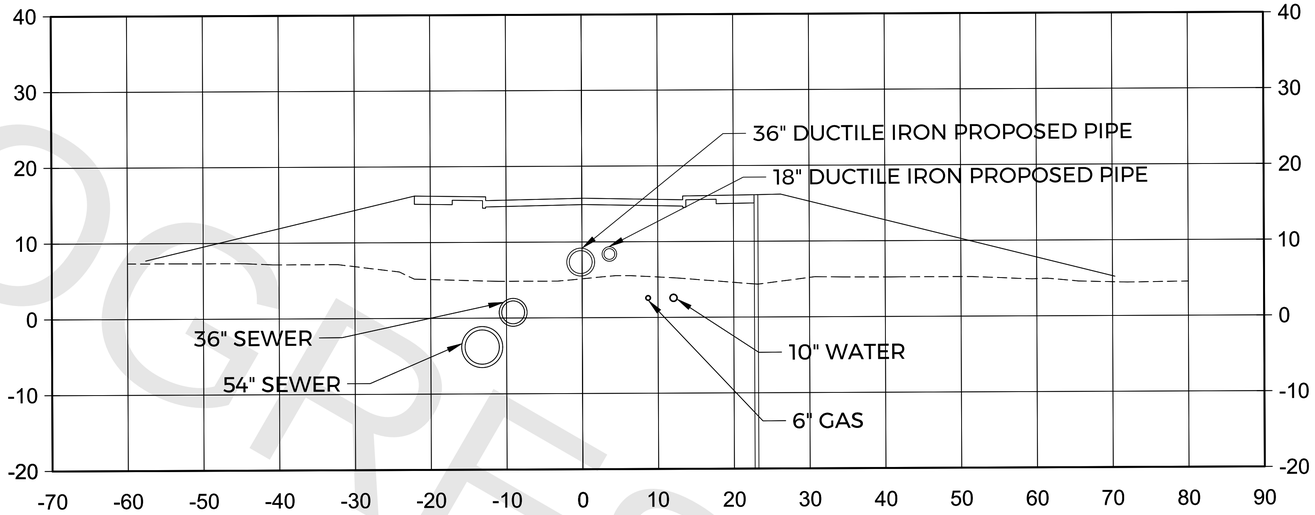
TOWN: BRIDGEPORT

DRAWING TITLE: FORCE MAIN PROFILE

PROJECT NO. 15-384

DRAWING NO. FM-03

SHEET NO. **11.09**



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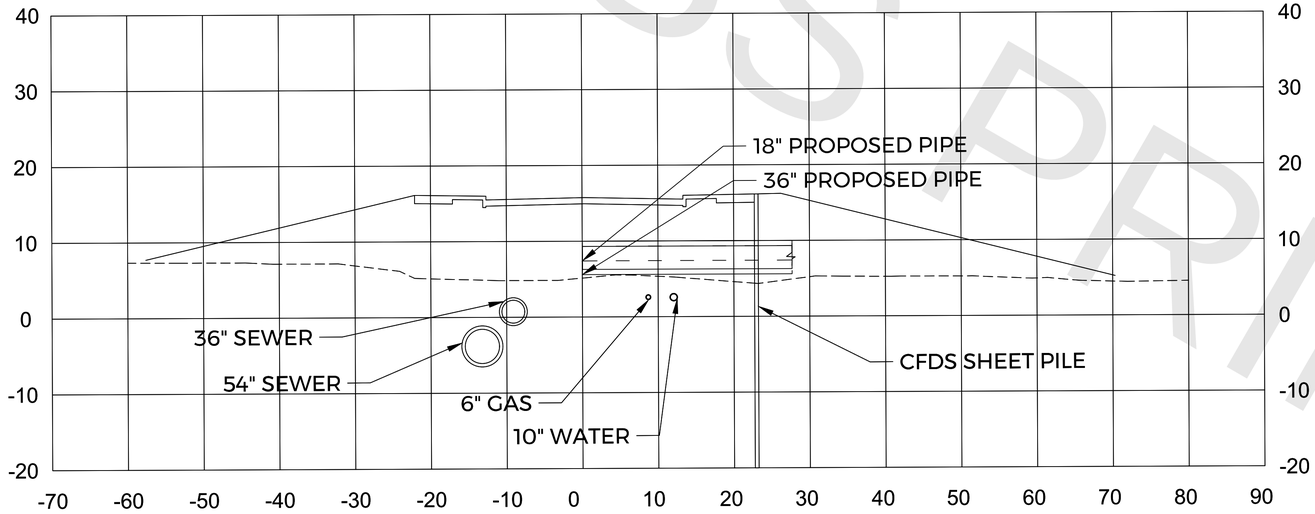

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PROGRESS PRINTS

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DATE/TIME = Jan 21, 2022 - 9:33pm

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

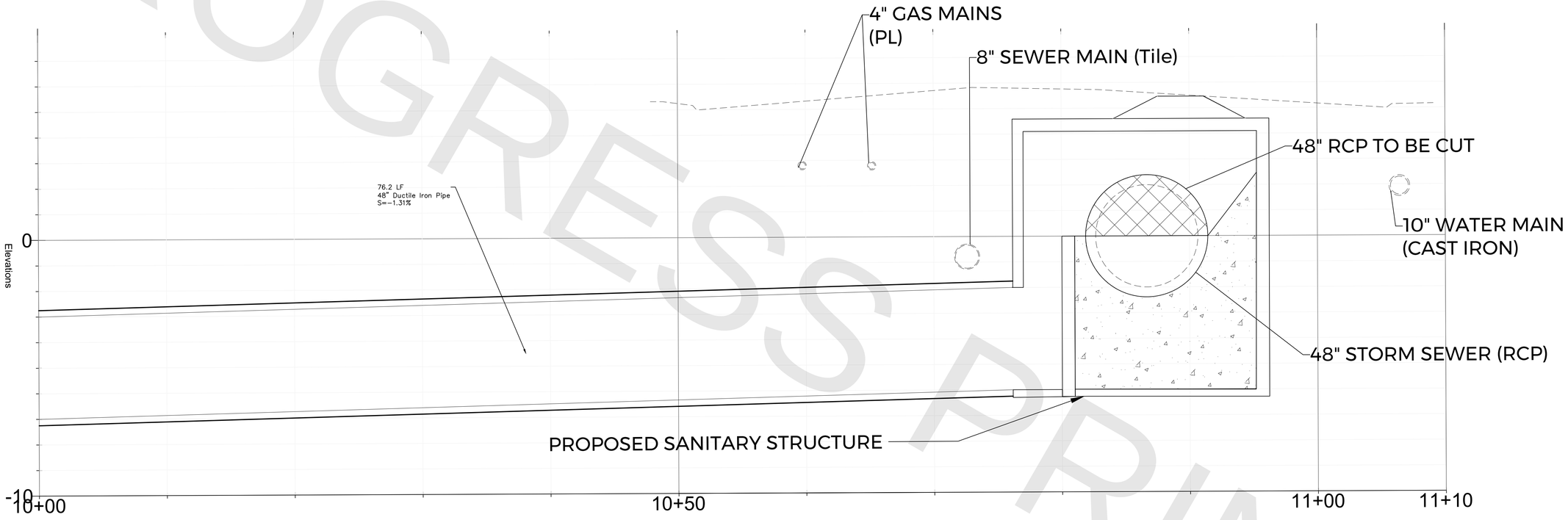
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FORCE MAIN PLAN

PROJECT NO. 15-384
DRAWING NO. FM-04
SHEET NO. **11.10**

PROGRESS PRINTS



Influent Alignment

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FORCE MAIN PLAN

PROJECT NO. 15-384

DRAWING NO. FM-05

SHEET NO. **11.11**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_FORCE MAIN.dwg
DATE/TIME = Jan 24, 2022 - 9:07pm

12 - INTERSECTION GRADING PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
12.01	INTERSECTION GRADING PLANS INDEX OF DRAWINGS		
12.02	INTERSECTION GRADING PLANS		

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: AP/AP

CHECKED BY: BB

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: INTERSECTION GRADING PLANS INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. GRA-00

SHEET NO. **12.01**

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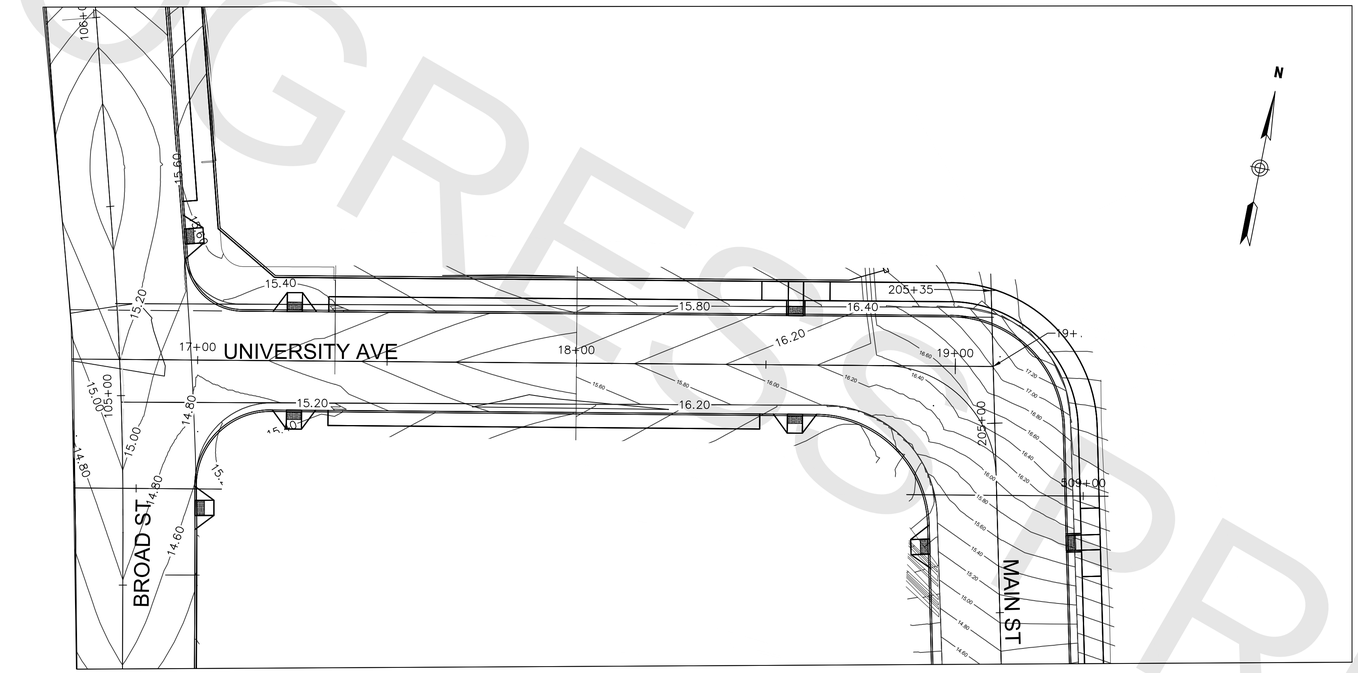
DATE/TIME = Jan 24, 2022 - 7:41pm

PROGRESS PRINTS



Broad St. / University Ave.

Main St. / University Ave.

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DATE/TIME = Jan 24, 2022 - 5:37pm

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: JP
CHECKED BY: BB
SCALE IN FEET
0 NOT TO SCALE 20
SCALE 1"=10'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: INTERSECTION GRADING PLANS

PROJECT NO. 15-384
DRAWING NO. GRA-01
SHEET NO. **12.02**

13 - SIGNING AND PAVEMENT MARKING PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
13.01	SIGNING AND PAVEMENT MARKING INDEX OF DRAWINGS		
13.02	SIGNING AND PAVEMENT MARKING GENERAL NOTES		
13.03	SIGNING AND PAVEMENT MARKING PLAN		
13.04	SIGNING AND PAVEMENT MARKING PLAN		
13.05	SIGNING AND PAVEMENT MARKING PLAN		

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: JP/JP

CHECKED BY: BB

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: SIGNING AND PAVEMENT MARKING INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. SPM-00

SHEET NO. **13.01**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SUB-COV.dwg
DATE/TIME = Jan 24, 2022 - 7:42pm

SIGNING NOTES:

1. ALL EXISTING SIGNS WITHIN THE LIMITS OF SIGNING ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
2. ALL STREET-NAME SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REPLACED AS NECESSARY.
3. ALL CITY-OWNED SIGNS SHALL BE SALVAGED AND RETURNED TO THE CITY.
4. ALL EXISTING SIGNS OUTSIDE OF THE LIMITS OF SIGNING ARE TO REMAIN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH CTDOT STANDARD SHEET NO. 1208_01 "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS" AND SHEET NO. TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" EXCEPT AS OTHERWISE NOTED ON THE PLANS.
6. ALL "NO PARKING" SIGNS SHALL BE INSTALLED AT AN ANGLE BETWEEN 30° AND 45° TO THE ADJACENT TRAVELWAY.
7. EXACT SIGN LOCATION TO BE DETERMINED BY THE ENGINEER.
8. SIGNS SHALL BE INSTALLED NO CLOSER THAN 10 FEET FROM UTILITY POLES.
9. ALL SIGNS ARE NEW UNLESS OTHERWISE NOTED.
10. THE CITY SHALL MAINTAIN ALL SIGNS WITHIN THE LIMITS OF SIGNING.
11. WHEN A SIGN IS TO BE REPLACED, THE EXISTING SIGN SHOULD NOT BE REMOVED UNTIL THE EXISTING REPLACEMENT SIGN IS INSTALLED.
12. ALL SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT HIS/HER EXPENSE.

PAVEMENT MARKING NOTES:

1. FINAL PAVEMENT MARKINGS TO BE EPOXY RESIN.
2. PAVEMENT MARKINGS SHALL BE INSTALLED THROUGHOUT THE PROJECT TO THE LIMITS OF CONSTRUCTION. MATCH TO EXISTING MARKINGS AT THE LIMITS OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
3. PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH CTDOT STANDARD SHEET NO. TR-1210_08 "PAVEMENT MARKINGS FOR NON FREEWAYS" AND SHEET NO. TR-1210_04 "PAVEMENT MARKING LINES AND SYMBOLS," EXCEPT AS OTHERWISE DIMENSIONED OR NOTED ON THE PLANS.
4. ALL CROSSWALKS ARE TO BE INSTALLED A MINIMUM OF 4 FEET FROM STOP BARS.
5. THE CITY SHALL MAINTAIN ALL PAVEMENT MARKINGS.

SIGNING LEGEND:

SINGLE POST - MOUNTED SIGN

DOUBLE POST - MOUNTED SIGN

PAVEMENT MARKING LEGEND:

SWL - SINGLE WHITE LINE

DYCL - DOUBLE YELLOW CENTER LINE

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: AP/MD

CHECKED BY: BB

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: SIGNING AND PAVEMENT MARKING GENERAL NOTES

PROJECT NO. 15-384

DRAWING NO. SPM-01

SHEET NO. **13.02**

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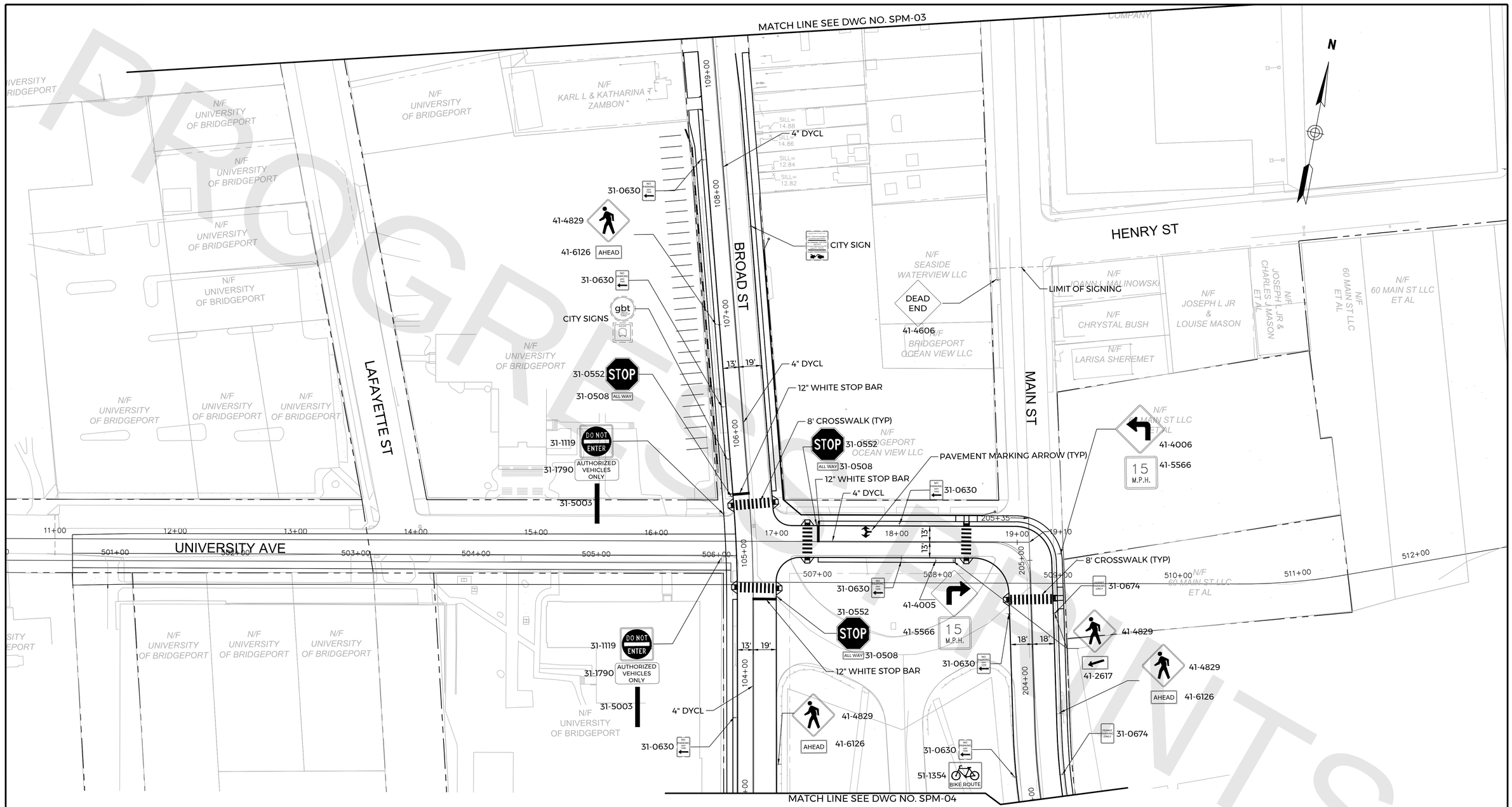
DATE/TIME = Jan 21, 2022 - 9:49pm



NOTES:

1. SEE DRAWING NO. SPM-01 FOR ADDITIONAL NOTES.
2. SIGNING AND PAVEMENT MARKINGS WITHIN AND ADJACENT TO THE UNIVERSITY SHALL BE COORDINATED WITH THE UNIVERSITY OF BRIDGEPORT.

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: AP/MD

CHECKED BY: BB

SCALE IN FEET
0 40 80
SCALE 1"=40'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: SIGNING AND PAVEMENT MARKING PLAN

PROJECT NO. 15-384

DRAWING NO. SPM-02

SHEET NO. **13.03**

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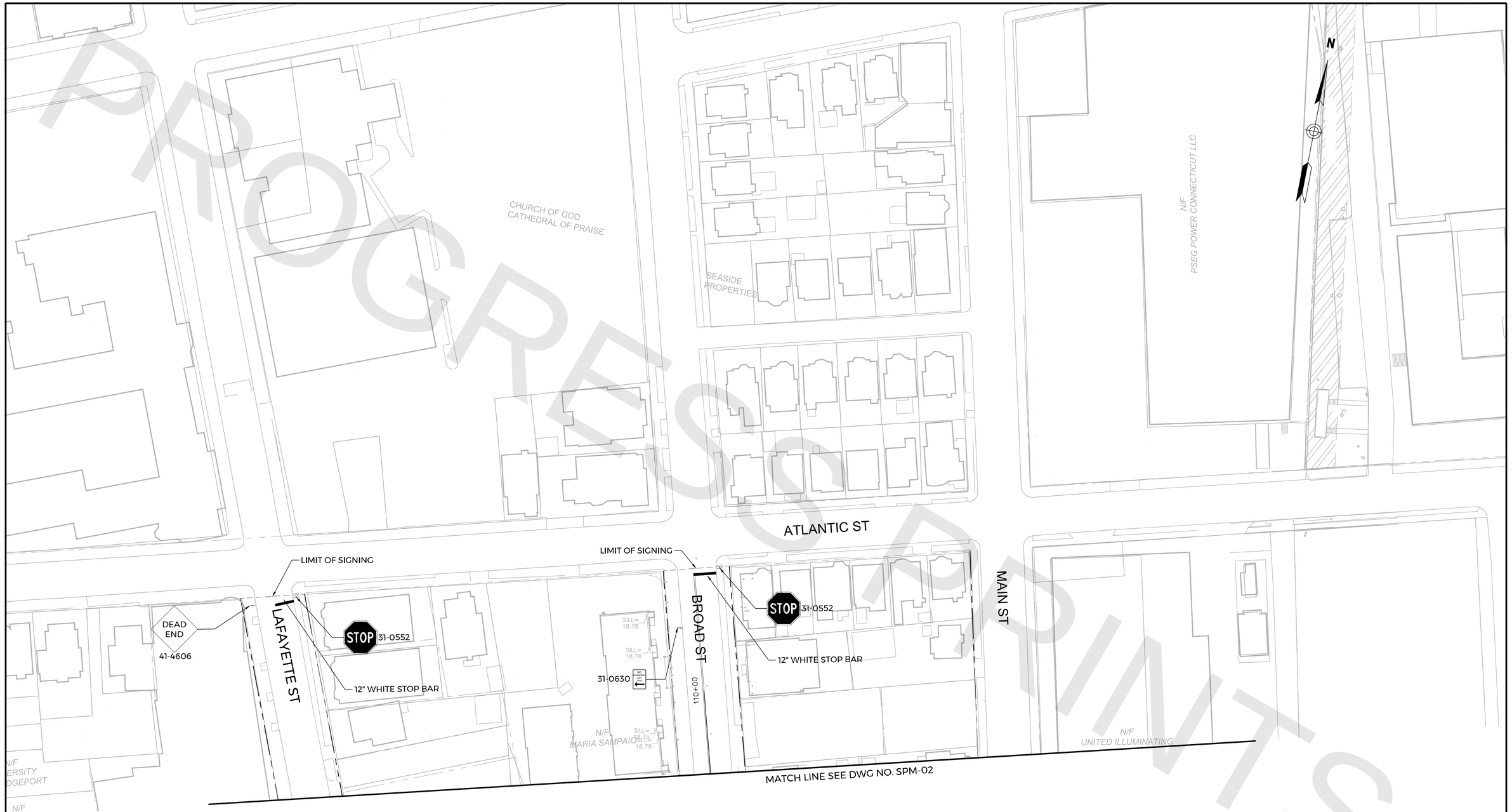
DATE/TIME = Jan 21, 2022 - 9:49pm

PROGRESS PRINTS



NOTES:

1. SEE DRAWING NO. SPM-01 FOR ADDITIONAL NOTES.
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CHECKED BY: BB
SCALE IN FEET 0 40 80
SCALE 1"=40'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: SIGNING AND PAVEMENT MARKING PLAN

PROJECT NO. 15-384
DRAWING NO. SPM-03
SHEET NO. **13.04**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SPM.dwg
DATE/TIME = Jan 21, 2022 - 9:48pm

PROGRESS PRINTS

MATCH LINE SEE DWG NO. SPM-02

LINDEN AVE

BROAD ST

SOUNDVIEW DR

MAIN ST

UB

N/F
CITY OF BRIDGEPORT
PARK DEPARTMENT

N/F
60 MAIN ST LLC
ET AL

CHK

UI 9683

UI 9682

103

102+00

101+00

100+00

203

202+00

201+00

200+00

303+47

302+00

301+00

300+00

13'

19'

18'

18'

4" DYCL

LIMIT OF SIGNING

31-0630

31-0674

51-1354
BIKE ROUTE

41-4829

41-2617

N

NOTES:

1. SEE DRAWING NO. SPM-01 FOR ADDITIONAL NOTES.
2. SIGNING AND PAVEMENT MARKINGS WITHIN AND ADJACENT TO THE UNIVERSITY SHALL BE COORDINATED WITH THE UNIVERSITY OF BRIDGEPORT.

FINAL DESIGN REVIEW

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CHECKED BY: BB

SCALE IN FEET
0 40 80
SCALE 1"=40'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: SIGNING AND PAVEMENT MARKING PLAN

PROJECT NO. 15-384

DRAWING NO. SPM-04

SHEET NO. **13.05**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SPM.dwg
DATE/TIME = Jan 21, 2022 - 9:47pm

14 - LANDSCAPE HARDSCAPE PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
14.01	LANDSCAPE HARDSCAPE INDEX OF DRAWINGS	14.36	LANDSCAPE GROUNDCOVER PLAN
14.02	DRAWING INDEX	14.37	LANDSCAPE GROUNDCOVER PLAN
14.03	GENERAL NOTES	14.38	LANDSCAPE TREE PLAN
14.04	INDEX & KEY PLAN	14.39	LANDSCAPE TREE PLAN
14.05	RENDERINGS	14.40	LANDSCAPE TREE PLAN
14.06	BELVEDERE PLAN	14.41	STILLING BASIN SECTIONS
14.07	RESILIENCE GATEWAY PLAN	14.42	STILLING BASIN SECTIONS
14.08	ENLARGED GATE PLANS	14.43	PEDESTRIAN CROSSING ELEVATIONS AND SECTIONS
14.09	FERRY ACCESS ROAD PLAN	14.44	PAVING DETAILS
14.10	ENLARGED BELVEDERE PLANS	14.45	SITE DETAILS
14.11	BELVEDERE ELEVATIONS	14.46	PLANTING AND SOIL DETAILS
14.12	RESILIENCE GATEWAY ELEVATIONS	14.47	PLANTING AND SOIL DETAILS
14.13	RESILIENCE GATEWAY ELEVATIONS	14.48	GRADING & DRAINAGE
14.14	TYPICAL ROLLER GATE ELEVATIONS	14.49	GRADING & DRAINAGE
14.15	GATE ELEVATIONS	14.50	GRADING & DRAINAGE
14.16	HEAD OF PARK SECTIONS	14.51	UTILITY PLAN
14.17	RESILIENCE GATEWAY SECTIONS	14.52	UTILITY PLAN
14.18	FERRY ACCESS ROAD ELEVATIONS	14.53	UTILITY PLAN
14.19	BELVEDERE RAILING PLAN AND DETAILS	14.54	DETAILS
14.20	RESILIENCE GATEWAY DETAILS		
14.21	LANDSCAPE DRAWINGS TITLE		
14.22	LANDSCAPE TREE PROTECTION PLAN		
14.23	LANDSCAPE TREE PROTECTION PLAN		
14.24	LANDSCAPE TREE PROTECTION PLAN		
14.25	LANDSCAPE MATERIALS PLAN		
14.26	LANDSCAPE MATERIALS PLAN		
14.27	LANDSCAPE MATERIALS PLAN		
14.28	LANDSCAPE FINE GRADING PLAN		
14.29	LANDSCAPE FINE GRADING PLAN		
14.30	LANDSCAPE FINE GRADING PLAN		
14.31	LANDSCAPE SOILS PLAN		
14.32	LANDSCAPE SOILS PLAN		
14.33	LANDSCAPE SOILS PLAN		
14.34	PLANTING SCHEDULE		
14.35	LANDSCAPE GROUNDCOVER PLAN		

PROOFPRINTS

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER:

CHECKED BY:

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WSP USA
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WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE HARDSCAPE INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. LAN-00

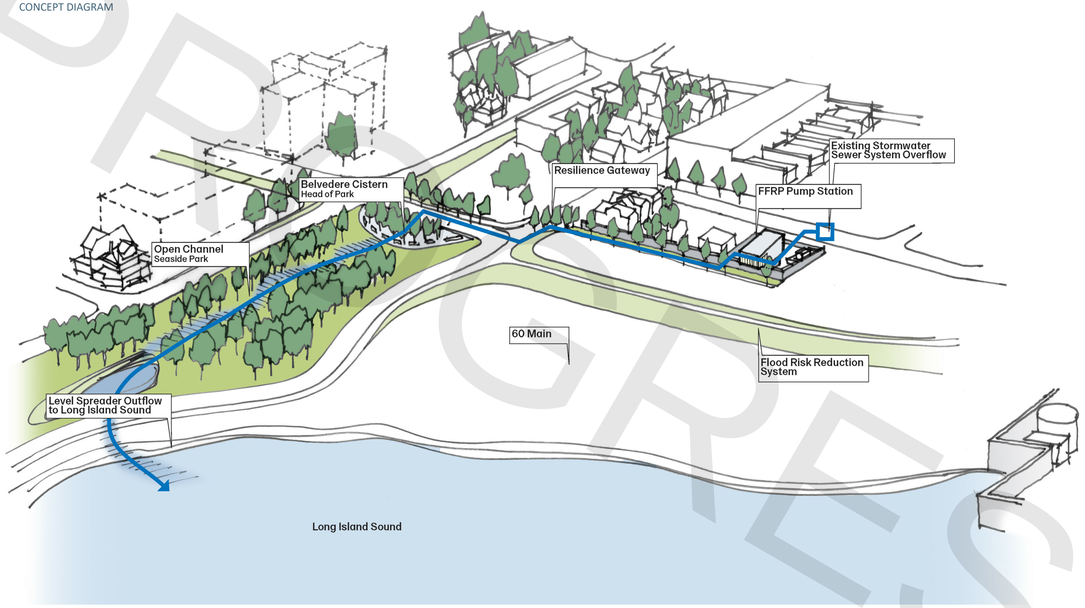
SHEET NO. **14.01**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SUB-COV.dwg
DATE/TIME = Jan 25, 2022 - 11:06am

PROGRESS PRINTS

FRRP STORMWATER SYSTEM

CONCEPT DIAGRAM



RESILIENT BRIDGEPORT: FLOOD RISK REDUCTION PROGRAM
BELVEDERE AND PUMP STATION

JANUARY 21, 2022

INDEX OF DRAWINGS

SHEET NUMBER	SHEET NAME
01.14.001	DRAWING INDEX
01.14.002	GENERAL NOTES
01.14.003	INDEX & KEY PLAN
01.14.004	RENDERINGS
01.14.101	BELVEDERE PLAN
01.14.102	RESILIENCE GATEWAY PLAN
01.14.103	ENLARGED GATE PLANS
01.14.105	FERRY ACCESS ROAD PLAN
01.14.106	ENLARGED BELVEDERE PLANS
01.14.201	BELVEDERE ELEVATIONS
01.14.202	RESILIENCE GATEWAY ELEVATIONS
01.14.203	RESILIENCE GATEWAY ELEVATIONS
01.14.204	TYPICAL ROLLER GATE ELEVATIONS
01.14.205	GATE ELEVATIONS
01.14.301	HEAD OF PARK SECTIONS
01.14.302	RESILIENCE GATEWAY SECTIONS
01.14.305	FERRY ACCESS ROAD ELEVATIONS
01.14.401	BELVEDERE RAILING PLAN AND DETAILS
01.14.402	RESILIENCE GATEWAY DETAILS
01.15.101	HEAD OF PARK ILLUMINATION PLAN
01.15.102	RESILIENCE GATEWAY ILLUMINATION PLAN
01.28.002	CODE AND ZONING ANALYSIS
01.28.101	SITE PLAN
01.28.102	SITE SECTIONS AND DETAILS
01.28.201	FLOOR PLANS
01.28.221	ROOF PLAN AND DETAILS
01.28.301	BUILDING ELEVATIONS
01.28.311	BUILDING SECTIONS
01.28.321	WALL SECTIONS
01.28.322	WALL SECTIONS
01.28.331	SECTION DETAILS

DRAFTING SYMBOLS

ROOM REFERENCE
Room name — ROOM NAME
101 — ROOM NUMBER

MATCHLINE REFERENCE
1 / A101 — INDICATES SECTION OR DETAIL NO. 2 APPEARING ON THE SHEET NO. 6.2
MATCH LINE

A — NEW COLUMN REFERENCE GRID
A — EXISTING COLUMN REFERENCE GRID

OPENING REFERENCE
1-1iii — WINDOW TYPE / LOUVER TYPE
OPENING REFERENCE
101 — DOOR MARK

ACCESSORY REFERENCE
KEYNOTE REFERENCE

SECTION REFERENCE
1 / A101 / SIM
SECTION OR DETAIL NUMBER
DIRECTION OF CUTTING PLANE
SHEET NUMBER ON WHICH SECTION OR DETAIL IS DRAWN

PARTITION REFERENCE
P1
WALL TYPE
WALL FIRE RATING (HOURS)

NORTH ARROW

BUILDING SECTION REFERENCE
1 / A101 / SIM
DIRECTION OF CUTTING PLANE LONGITUDINAL OR TRANSVERSE BUILDING SECTION NUMBER
SHEET NUMBER ON WHICH LONGITUDINAL OR TRANSVERSE BUILDING SECTION IS DRAWN

36.5 — NEW OR REQUIRED POINT ELEVATION
+4.00 — EXISTING POINT ELEVATION

BUILDING ELEVATION REFERENCE
1 / A101
BUILDING ELEVATION NUMBER
SHEET NUMBER ON WHICH BUILDING ELEVATION IS DRAWN

36.5' — NEW OR REQUIRED CONTOURS
36.5' — EXISTING CONTOURS

INTERIOR ELEVATION REFERENCE
1/ A101
SHEET NUMBER ON WHICH ELEVATION IS DRAWN
INTERIOR ELEVATION NUMBER

REVISION NUMBER

DETAIL REFERENCE
1 / A101 / SIM
DETAIL NUMBER
AREA OF DETAIL
SHEET NUMBER ON WHICH ENLARGED DETAIL IS DRAWN

DRAWING TITLE
SECTION OR DETAIL NUMBER
INDICATES SCALE
SHEET NUMBER ON WHICH SECTION OR DETAIL IS DRAWN
SHEET NUMBER ON WHICH THIS SECTION OR DETAIL IS CUT OR REFERENCED (ONE SHEET ONLY)

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: KCR
CHECKED BY: DDC
SCALE IN FEET
AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WSP USA
500 Winding Brook Dr. Glastonbury, CT
WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA
ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE: FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: DRAWING INDEX

PROJECT NO. 15-384
DRAWING NO. 01.01.001
SHEET NO. **14.02**

GENERAL NOTES:

A. TOP OF CFDS IS DESIGNED TO BE 14'-0" ABOVE M.S.L. FOR THE PURPOSE OF THIS SET. THE FLOOD RISK REDUCTION PROGRAM'S CONSTRUCTION WORK ENCOMPASSES MULTIPLE PHASES, TYPE OF WORK, SCHEDULES OF WORK AND COMPREHENSIVE COORDINATION.

B. REFER TO OTHER SECTIONS OF THE CONTRACT DOCUMENTS (DRAWINGS, SPECIFICATIONS, ETC.) FOR FURTHER GENERAL NOTES AND OTHER RELATED REQUIREMENTS AND/OR INFORMATION.

C. CONTRACTOR SHALL COORDINATE WITH LOCAL AND REGIONAL AUTHORITIES THE CONSTRUCTION SCHEDULE AND THE ROADWAYS' UTILIZATION AND ALLOWABLE CONSTRUCTION-RELATED USES.

D. CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL-RELATED WORK WITHIN THE OVER-ALL SCHEDULE OF CONSTRUCTION MATERIALS' SUPPLIES AND CONSTRUCTION WORK.

E. SEASIDE PARK IS A NATIONAL LANDMARK; IT SHOULD BE RESPECTED AND TREATED AS SUCH. WILL REQUIRE COORDINATION WITH ARCHITECTURAL AND NATURAL PRESERVATION AGENCIES. NEW WORK SHOULD NOT AFFECT THE ADJACENT AREAS OF THE LANDMARK PARK (USE AND ACCESS); CARE AND PROTECTION ARE A MUST.

F. THE NORTH-EAST PORTION OF THE PROPOSED PROJECT WILL BE RELATED TO AREAS TO BE DEVELOPED BY-OTHERS. CONTRACTOR SHOULD COORDINATE USE OF ADJACENT AREAS (IF REQUIRED BY CONSTRUCTION) WITH DEVELOPER (IF KNOWN AT THE TIME OF CONSTRUCTION).

G. ARCHITECTURAL SURFACES (I.E.: PAVERS, MARKERS, PLAZA, PATHWAYS, RAMPS, STEPS, ETC.) WILL BE INSTALLED ON AREAS PRE-PREPARED BY CIVIL AND NEW STREET WORK; COORDINATE AS REQUIRED.

H. VERIFY WITH ARBORIST FOR TRANSPLANTING TREES.

I. THE PLAZA AT THE BELVEDERE, THE RESILIENCE GATEWAY, AND AT THE PUMP STATION FORCE MAIN EASEMENT WILL BE ACCESSIBLE TO THE PUBLIC.

J. THE NEW PUMP STATION LOCATED AT THE EAST END OF THE PROPOSED EASEMENT WILL NOT BE ACCESSED BY THE PUBLIC. THE PUBLIC WILL BE ABLE TO APPRECIATE THE NEW FLOOD RISK REDUCTION INFRASTRUCTURE WORK AS AN EDUCATIONAL TOOL.

K. ALL THE PUMP STATION AREAS (BUILDING AND FENCED YARD AND WORKING AREAS) WILL BE OUT-OF-LIMITS TO THE PUBLIC, EXCEPT THE SOUTH SIDE OF THE BUILDING (ADJACENT TO THE EASEMENT) WHERE THE PUBLIC WILL BE INVITED TO INTERACT WITH THE BUILDING AND THE LINEAR PARK'S EXHIBITS.

L. THE PROPOSED ARCHITECTURAL WORK AT THE PUMP STATION IS LINKED WITH CIVIL WORK. MAINTAIN 'OPEN COMMUNICATIONS' WITH THE AUTHORITIES, ENGINEERS, ARCHITECTS, SUBCONTRACTORS, ETC. WORKING IN THE CONSTRUCTION OF THE STORMWATER PUMPING SYSTEMS AND SUPER-STRUCTURE.

M. INFORM ARCHITECT OF ANY REQUIRED DEVIATION OF THE PROPOSED ARCHITECTURAL SYSTEMS DUE TO UNFORESEEN CIVIL AND/OR CONSTRUCTION CONDITIONS.

N. QUESTIONS RELATED TO THE ARCHITECTURAL SYSTEMS SHOULD BE ADDRESSED AND/OR CONDUCTED TO THE ARCHITECT FOR PERTINENT ANSWERS. FAILURE TO INFORM ARCHITECT WILL NOT RELEASE THE CONTRACTOR OF HIS RESPONSIBILITIES AND/OR REQUIREMENTS FOR REPAIRS AND/OR CHANGES IF DEEM NECESSARY.

O. PROVIDE PEDESTRIAN AND VEHICULAR ACCESS TO 148, 156, AND 162 MAIN STREET BUILDINGS AT ALL TIMES DURING CONSTRUCTION. COORDINATE EMERGENCY VEHICLE ACCESS WITH CITY OF BRIDGEPORT FIRE DEPARTMENT, UNIVERSITY OF BRIDGEPORT, AND THE BRIDGEPORT POLICE DEPARTMENT.

P. ALL ITEMS TAGGED AS EXISTING TO REMAIN OR TO BE RELOCATED SHALL BE PROTECTED IN PLACE OR REMOVED, PROTECTED, AND STORED BY THE CONTRACTOR. ITEMS TO BE RESTORED OR REINSTALLED IN ORIGINAL LOCATIONS, AND IN LIKE OR BETTER CONDITION.

Q. COORDINATE WITH UNIVERSITY FOR SCHEDULE OF DEMOLITION AND CONSTRUCTION ROUTES, TYP. ALL PHASES

R. CONTRACTOR TO PROVIDE SITE AND RUNOFF PROTECTION FOR ALL EXISTING CAMPUS AND CITY PROPERTIES IN THE AFFECTED CONSTRUCTION ZONE TO BE MAINTAINED THROUGHOUT ALL CONSTRUCTION PHASES. CONTRACTOR TO PROVIDE SITE PROTECTION PLAN FOR REVIEW PRIOR TO CONSTRUCTION AND SHALL BE REQUIRED TO UPDATE THE SITE PROTECTION PLAN AT INTERVALS TO BE AGREED UPON AT THE START OF CONSTRUCTION.

NEW CONSTRUCTION KEYNOTES:

N01 NEW COASTAL FLOOD DEFENSE SYSTEM (CFDS) REFER TO ALN AND CFDS SERIES FOR MORE INFORMATION

N02 COASTAL FLOOD DEFENSE SYSTEM TEXTURED CONCRETE WALL WTIH FORMLINER. BASIS OF DESIGN FORMLINE RECKLI 3/32 INN. HOLD FORMLINER 4" FROM TOP OF WALL. CONFIRM HEIGHT ON CFDS PLANS

N04 ARCHITECTURAL CONCRETE FINISHED RETAINING WALL, SEE ELEVATION FOR TOP OF WALL ELEVATION, WIDTH VARIES.

N05 NEW FILL AND EROSION CONTROL GROUND COVER, 1:3 SLOPE MAXIMUM SEE GRADING PLAN.

N08 STREET REGRADED TO MEET NEW DRY EGRESS, +1.5' ABOVE CFDS ELEVATION. SEE ROADWAY.

N09 NEW CONCRETE SIDEWALK FORM 818 SECTION 9.21.

N10 RAISED UNIVERSITY AVENUE, GRADED ABOVE TO MEET CFDS ELEVATION +1.5', PROVIDES DRY EGRESS.

N11 LONDON PLANE TREE, PLANTANUS X ACERFOLIA, SEE LANDSCAPE DETAILS FOR PLANTING SPECIFICATIONS

N12 GINGKO, GINGKO BILOBA, SEE LANDSCAPE DETAILS FOR PLANTING SPECIFICATIONS

N13 PIN OAK, QUERCUS PALUSTRIS, SEE LANDSCAPE DETAILS FOR PLANTING SPECIFICATIONS

N14 PITCH PINE, PINUS RIGIDA, SEE LANDSCAPE DETAILS FOR PLANTING SPECIFICATIONS

N15 CAST IRON TREE GRATE, ITEM #0951002A BASIS OF DESIGN, 0951005A

N16 NEW CONC. RETAINING SEATING WALL, TOP OF BENCH 18" FROM FINISHED GRADE, SELECTED FORMLINER ON VERTICAL EXPOSED SURFACE.

N17 NEW CONC. SITE RAMP 1:20 (MAX) MEET EXISTING GRADE, SELECTED FORMLINER ON VERTICAL EXPOSED SURFACE, HORITZONAL SURFACE TO BE RAKED

N18 NEW CONCRETE SITE STAIRS WITH STAINLESS STEEL MESH INSERT HANDRAILS BOTH SIDES, TYP. HORIZONTAL SURFACES OF TREADS TO BE RAKED

N19 NEW GRANITE CURB

N20 NEW ROLL OVER GRANITE CURB

N21

N22 LIGHT STAND TYPE 1, ITEM #1002008B BASIS OF DESIGN SELUX MODULAR EXELIA GEN5 COLUMN LED, SEMI-MATTE BLACK, 12 FEET, EXRL-12-4QD-4QD-XX-30-BL-240-EM

N23 LIGHT STAND TYPE 2, ITEM #1002008A BASIS OF DESIGN SELUX MODULAR EXELIA GEN5 COLUMN LED, SEMI-MATTE BLACK, 12 FEET, EXRL-12-4QD-4QD-XX-30-BL-240-EM WITH TWIN SPOT MODULE, WITH SMART CITY FEATURES, SMART SENSORS, PANIC BUTTON, SPEAKERS, GFCI, WIFI, USB CHARGING, TO BE DETERMINED

N24 LIGHT BOLLARD TYPE 3, ITEM #1004297A BASIS OF DESIGN SELUX INULA BOLLARD LED, SEMI-MATTE BLACK, 30 INCHES, WITH BASE PLATE, EMERGENCY BATTERY, USB/GFCI CHARGING, IBL-3-4QS-30-BL-240-REC3 EM

N25 IN WALL LIGHT TYPE 4, ITEM #1106139A MARINE GRADE

N26 STEP LIGHTS TYPE 5, LIGHT AT EACH TREAD, MARINE GRADE

N27 NEW PLAZA - SAND SET 4" THERMALED GRANITE STONE SLAB PAVERS OF VARYING SIZES, BASIS OF DESIGN COLOR 'MOONLIT ROSE', WILLIAM'S STONE COMPANY QUARRY, PATTERN VARIES, SEE PLANS.

N28 STONE WALL VENEER, APPEARANCE OF DRY-LAID WALL. BASIS OF DESIGN COLOR 'MOONLIT ROSE', WILLIAM'S STONE COMPANY QUARRY. NO VISIBLE MORTAR. LET ENDS OF STONE PIECES RUN WILD. DO NOT DRESS ENDS OF STONES TO CREATE VERTICAL JOINTS. USE LOOSE MORTAR, STONE ALLOWED TO SIT ON TOP OF STONE WITH MINIMAL HORIZONTAL JOINT THICKNESS.

N29 CONCRETE CAST IN PLACE RETAINING WALL, FINISH SEE M.03 ARCHITECTURAL CONCRETE, SEE CIVIL FOR DETAILS

N30 MCNICHOLS® BAR GRATING PRESS-LOCKED, ITEM #0603545A GCM-1-150 - CLOSE MESH, ADA, 7-P-4 SPACING, CARBON STEEL, HOT ROLLED, 1-1/2" X 3/16" RECTANGULAR BAR, SMOOTH SURFACE, 55% OPEN AREA, TYP.

N31 NEW CAST IN PLACE RAISED PLANTER, OVERALL HEIGHT 1'-6" ABOVE FINISHED GRADE. FINISH SEE M.03 ARCHITECTURAL CONCRETE, FORMLINER ON VERTICAL EXPOSED SURFACES, HOLD OFF TOP 4"

N32 BIKE RAKE, BASIS OF DESIGN LANDSCAPE FORMS – 35 COLLECTION – LOOP BICYCLE RACK PLACED 30" APART AND 24" FROM ANY WALL, TYP.

N33 NEW HANDRAIL – PROVIDE VERTICAL POSTS 3'-0" O.C., WITH WOVEN WIRE MESH (1" x 1" SQUARE) RAILING INFILL PANELS, BOTH SIDES OF STAIRS, TYP.

N34 NEW GUARDRAIL – ITEM #0914003A PROVIDE 42" TALL GUARDRAIL, 3/4" TWISTED BAR STOCK PICKET, AT 5'-0" O.C. ATTACHED TO HOT PUNCHED BAR STOCK RAIL ON RADIUS TO FOLLOW STRUCTURE BELOW. PROVIDE 1/2" PLATE VERTICAL SUPORT AT ~ 50" O.C. ALIGN WITH EVERY TENTH PICKET AND COORDINATE LAYOUT OF PAVING JOINTS TO COINCIDE WITH LAYOUT OF SUPPORT PLATES PERPENDICULAR TO RADIUS EDGE.

N35 NEW CISTERN LIGHT TYPE 7, MARINE RATED.

N36 CONCRETE CAST IN PLACE BENCH - 1'-8" ABOVE FINISHED GRADE, FINISH SEE M.03 ARCHITECTURAL CONCRETE, TYP.

N37 CONCRETE CAST IN PLACE BENCH - SLATE GATE TIE IN ACROSS BROAD AND MAIN STREET, 1'-8" ABOVE FINISHED GRADE, FINISH SEE M.03 ARCHITECTURAL CONCRETE, TYP. SEE CFDS FOR GATE DETAILS.

N38 ENERGY DISSIPATION BASIN - GRANITE SLABS SET IN SAND WITH GRAVEL SUBBASE FOR INFILTRATION, SEE LANDSCAPE.

N39 SECURITY BOLLARDS, ITEM #0901003A, BASIS OF DESIGN CALPIPE SECURITY BOLLARDS SSR06080 6" INTERNAL LOCKING REMOVABLE STAINLESS-STEEL BOLLARD, TYPE 316 STAINLESS STEEL WITH #4 FINISH.

N41 CAST IN PLACE STEP WEIR, SEE LANDSCAPE MATERIAL SHEETS.

N42 EXISTING TREE(S) TO REMAIN / BE PROTECTED U.N.O.

N45 NEW CROSSWALK STRIPING, SEE ROADWAY SHEETS.

N46 NEW VEHICULAR GUARDRAIL, TYPE MERRITT PARKWAY SEE CT DOT FORM 818 ARTICLE 9.10, SEE ROADWAY SHEETS.

N47 NEW PAVED PEDESTRIAN AREA, PAVER BASIS OF DESIGN HANOVER PREST PLANKSTONE - NATURAL/CHARCOAL BLEND, 17 5/8" LENGTH, 3" THICKNESS (FOR MODERATE VEHICULAR USE) REMOVE THE SOD AND SOIL TO A DEPTH OF APPROXIMATELY SEVEN INCHES. REPLACE THE SOIL WITH APPROXIMATELY 6-8 INCHES OF CRUSHER RUN FOR LOW SPEED, RESIDENTIAL VEHICULAR APPLICATIONS. COMPACT AND LEVEL THE BASE, LEAVING A VERY SLIGHT GRADE PER DOCUMENTS. COMPACT THE BASE AND PROVIDE A SLOPE OF 1% TO 2%. SPREAD 1" COARSE, ANGULAR SAND CONFORMING TO ASTM C33 OVER COMPLETED BASE USING A STRAIGHT EDGE TO LEVEL. PAVERS SHOULD BE INSTALLED MAINTAINING A MAXIMUM 1/16" JOINT. SPIKES FOR THE EDGE RESTRAINT SHOULD BE INSTALLED INTO THE COMPACTED CRUSHER RUN, NOT SOIL. LAY OUT PAVERS PER DETAILS AND INSTALL EDGE RESTRAINTS AND JOINT SAND, AND VIBRATE AS REQUIRED. SWEEP SAND INTO THE 1/16" OPEN JOINTS AND VIBRATE A SECOND TIME.

N48 NEW CFDS GATE LIGHT TYPE 8, MARINE GRADE, PRODUCT BASIS OF DESIGN TO BE SPECIFIED IN SUBSEQUENT PHASE OF DESIGN.

N49 NEW PLANTER, NATIVE PLANTS TO BE SPECIFIED IN SUBSEQUENT SUBMISSION

N50 BIOSWALE, TYP. REFER TO MDS-03 FOR STANDARD DETAIL

N51 LANDSCAPE UPLIGHT, TO ILLUMINATE LANDMARK

N53 EASEMENT FENCE, CAST IN PLACE SECTIONS OF WALL WITH CORTEN BLADE FENCE BETWEEN, SEE ELEVATION FOR DIMENSIONS.

N54 RELOCATED AND RESTORED HENRY BERGH STATUE, NEW BASE BY OTHERS

N55 1/4"x4"STAINLESS STEEL FLAT ALIGNMENT BAR BETWEEN PAVING SECTIONS WITH CLIPS TO SLAB BELOW, SEE DETAIL 4/01.19.106

N56 4x3x1/4" STAINLESS STEEL ANGLE PERIMETER AT TRANSITION FROM STONE PAVING, SEE DETAIL 5/01.19.106

N57 STAMPED CONCRETE APRON - SEE ROADWAY

N58 NEW PLANTINGS IN GRAVEL BED, SPECIES TO BE SPECIFIED IN SUBSEQUENCE SUBMISSION

N59 STEEL EDGING BETWEEN GRAVEL BED AND SURROUNDING MATERIALS

N60 NEW SITE FURNITURE, BENCH CONSTRUCTED OUT OF CONCRETE FORCE MAIN PIPE, DIA. 36", BENCH TO BE DESIGNED IN SUBSEQUENT SUBMISSION.

N61 NEW PLANTER, SEE LANDSCAPE FOR SPECIES MIX

PROGRESS PRINTS

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

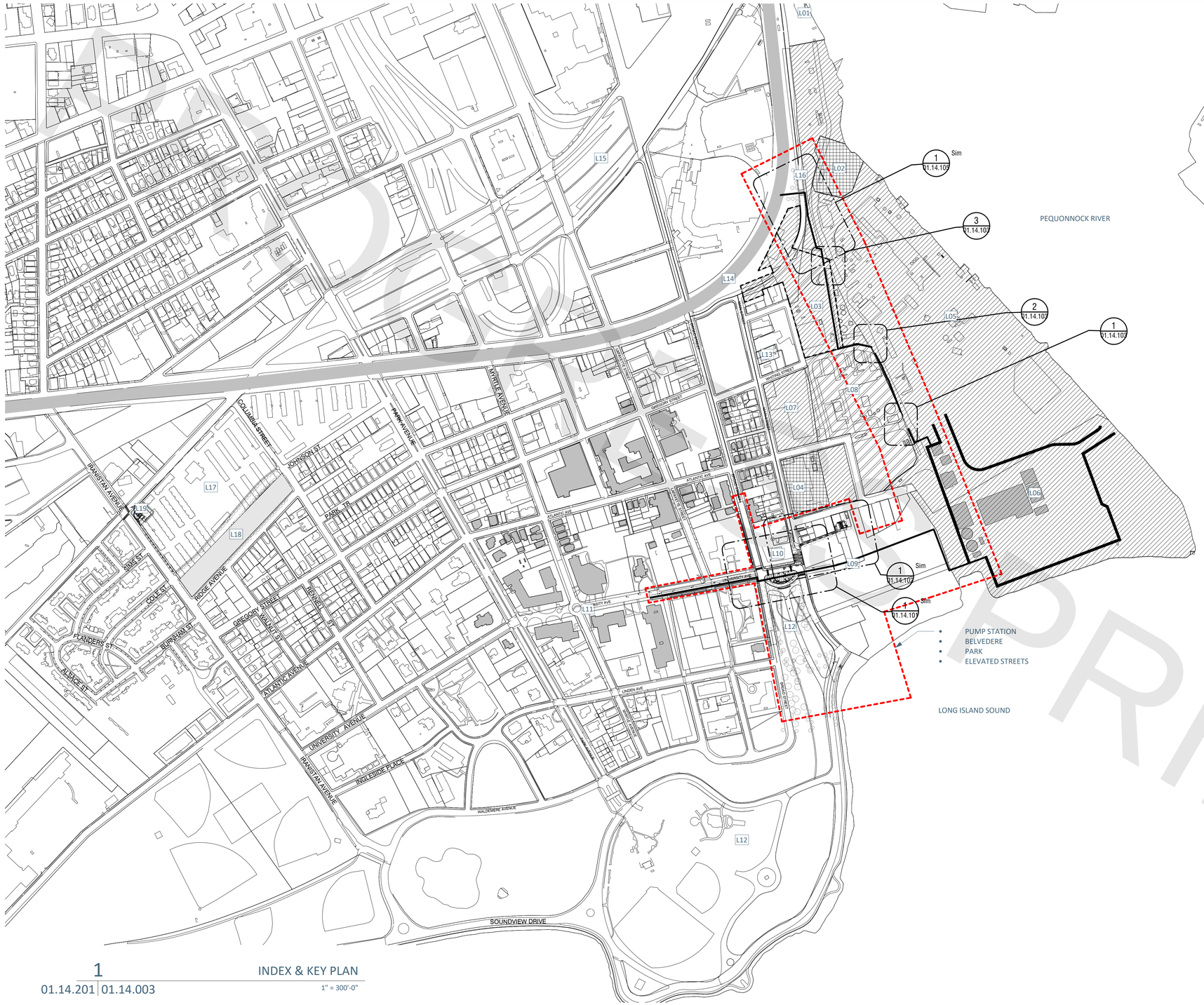
TOWN: BRIDGEPORT

DRAWING TITLE: GENERAL NOTES

PROJECT NO. 15-384

DRAWING NO. 01.14.002

SHEET NO. **14.03**



- PUMP STATION
- BELVEDERE
- PARK
- ELEVATED STREETS

INDEX KEYNOTE LEGEND

L01	FERRY TERMINAL
L02	UI PEQUONNOCK EXISTING SUBSTATION
L03	UI PEQUONNOCK PROPOSED SUBSTATION SITE
L04	UI SINGER SUBSTATION
L05	PSEG
L06	PSEG HARBOR UNIT 5
L07	PSEG WAREHOUSE
L08	EMERA
L09	60 MAIN STREET
L10	30 UNIVERSITY AVE
L11	UNIVERSITY OF BRIDGEPORT
L12	SEASIDE PARK
L13	FREEMAN HOUSES
L14	METRO NORTH RAILROAD
L15	INTERSTATE 95
L16	FERRY ACCESS ROAD
L17	FUTURE WINDWARD DEVELOPMENT
L18	FUTURE RBD STORMWATER PARK
L19	FUTURE RBD PUMP STATION

- PSEG PARCEL
- BRIDGEPORT ENERGY PARCEL
- UI PARCEL
- COASTAL FLOOD DEFENSE SYSTEM
- PSEG HARBOR UNIT 5 BULKHEAD
- KEY STAKEHOLDER SITES (#)
- UI PEQUONNOCK PROPOSED SUBSTATION SITE

REFER TO CIVIL FOR CONSTRUCTION ROUTE AND SEQUENCE

1 INDEX & KEY PLAN
01.14.201 | 01.14.003
1" = 300'-0"

PRELIMINARY PRINTS

FINAL DESIGN REVIEW

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

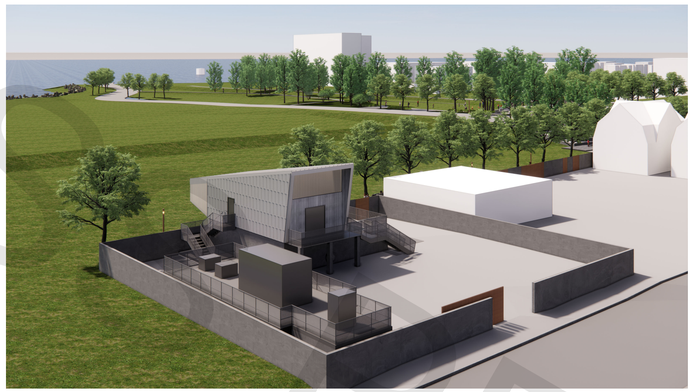
DRAWING TITLE: INDEX & KEY PLAN

PROJECT NO. 15-384
DRAWING NO. 01.01.001
SHEET NO. **14.04**

VIEW OF SEASIDE PARK BELVEDERE FROM SOUTHWEST

FRRP PUMP STATION SOUTHEAST VIEW

VIEW OF SEASIDE PARK BELVEDERE FROM SOUTHEAST



FRRP PUMP STATION NORTHWEST VIEW

VIEW FROM MAIN STREET LOOKING SOUTH AT RESILIENCE GATEWAY

FRRP PUMP STATION AND LINEAR EASEMENT PARK SOUTH FACADE

PRINTS

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: ML

CHECKED BY: KCR

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:

FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: RENDERINGS

PROJECT NO. 15-384

DRAWING NO. 01.14.004

SHEET NO. **14.05**

PROGRESS PRINTS

BODINE HALL

BODINE HALL PARKING LOT
TO BE DEMOLISHED BY OTHERS IN FUTURE

BROAD STREET

MAIN STREET

162 MAIN

156 MAIN

148 MAIN

36" Ø AND 18" Ø FORCE MAIN PIPES BELOW

60 MAIN STREET
DEVELOPMENT

SEE CIVIL FOR GRADING PLAN

DO NOT PLANT ZONE, TYP.

ARC WORKING POINT

UNIVERSITY AVENUE

30 UNIVERSITY

1 / 01.19.102

36" Ø AND
18" Ø FORCE
MAIN PIPES
BELOW

SEE ROADWAY FOR GUARDRAIL PLAN

REMOVABLE GATE,
SEE CIVIL

BELVEDERE
SEE SHEET 01.14.106 FOR DETAILS

TYP

NORTH HALL
TO BE DEMOLISHED BY
OTHERS PRIOR TO
CONSTRUCTION

SEE ROADWAY
FOR SIDEWALK
/ GRADING
PLANS

SEASIDE PARK
OPEN CHANNEL

DO NOT PLANT ZONE, TYP.

1
01.14.003 | 01.14.101

BELVEDERE PLAN

1" = 20'-0"

FINAL DESIGN REVIEW

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SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BELVEDERE PLAN

PROJECT NO. 15-384

DRAWING NO. 01.14.101

SHEET NO. **14.06**

PROGRESS PRINTS

HENRY STREET

MAIN STREET

PROPERTY LINE, TYP.

162 MAIN STREET

156 MAIN STREET

148 MAIN STREET

107 HENRY STREET

EXISTING BUILDING

FRRP PUMP STATION

1 01.28.201 Sim

LENGTH OF EASEMENT WALL

DIRECTION OF SWALE STORMWATER FLOW

2 01.14.203

1 01.14.203

FORCE MAIN EASEMENT

LOCATION OF DRAINAGE PIPES; SEE SHEET 01.14.101

SWALE OVERFLOW TO SEPARATED STORM SEWER SYSTEM

FUTURE SERVICE ACCESS TO 60 MAIN

2 01.14.302

1 01.14.302

01.14.202 1

1 / 01.19.101

30 UNIVERSITY

5 01.14.402

60 MAIN STREET DEVELOPMENT

LOCATION OF DRAINAGE PIPES; SEE SHEET 01.14.101

REMOVABLE GATE, SEE CIVIL

2 01.14.202

1 RESILIENCE GATEWAY PLAN

01.14.003 | 01.14.102

1" = 20'-0"

STORMWATER OVERFLOW FROM SEPARATED STORM SEWER

PUMP STATION

ELEVATED STREET

NEW COASTAL PROTECTION SYSTEM

FORCE MAIN PIPES

BELVEDERE CISTERN

BELVEDERE WEIR

STILLING BASIN

STEP WEIR

OPEN CHANNEL

SEASIDE PARK

BASIN

CULVERT UNDER SOUNDVIEW DRIVE

BASIN

LEVEL SPREADER DISCHARGE TO LONG ISLAND SOUND

2 Schematic Flow of Stormwater

01.14.201 | 01.14.102

1" = 160'-0"

FINAL DESIGN REVIEW

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SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

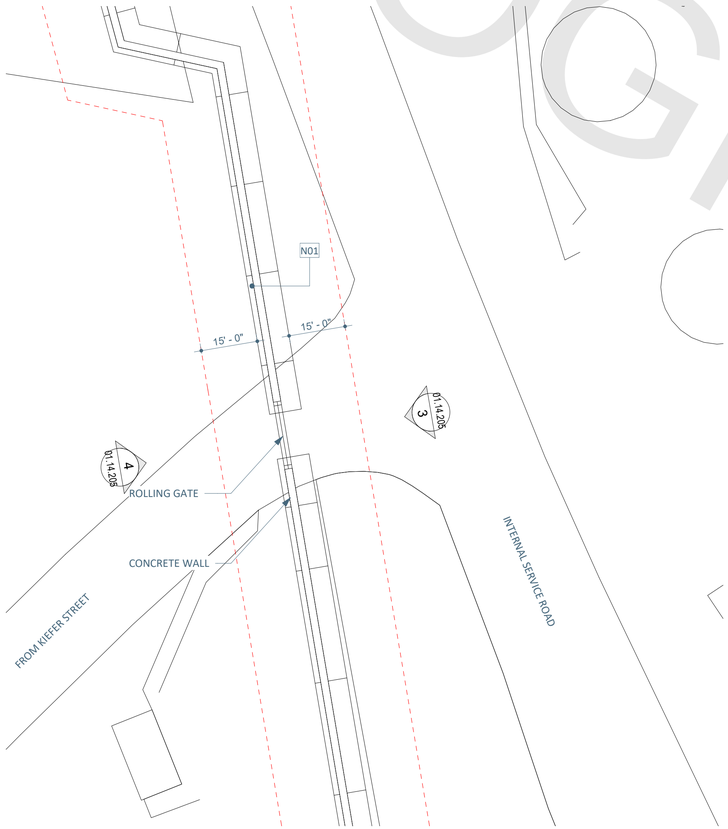
DRAWING TITLE: RESILIENCE GATEWAY PLAN

PROJECT NO. 15-384

DRAWING NO. 01.14.102

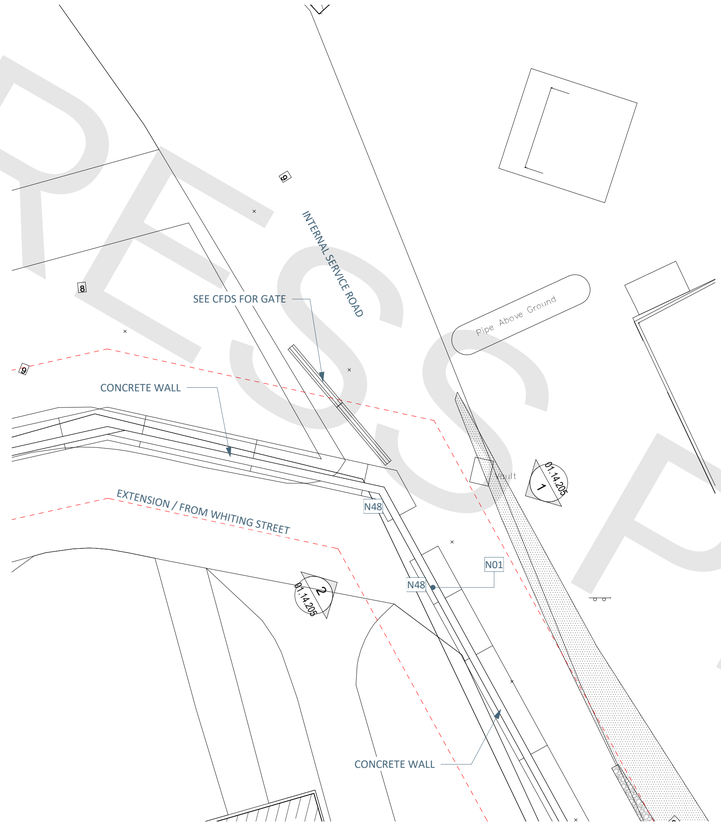
SHEET NO. **14.07**

PROGRESS PRINTS



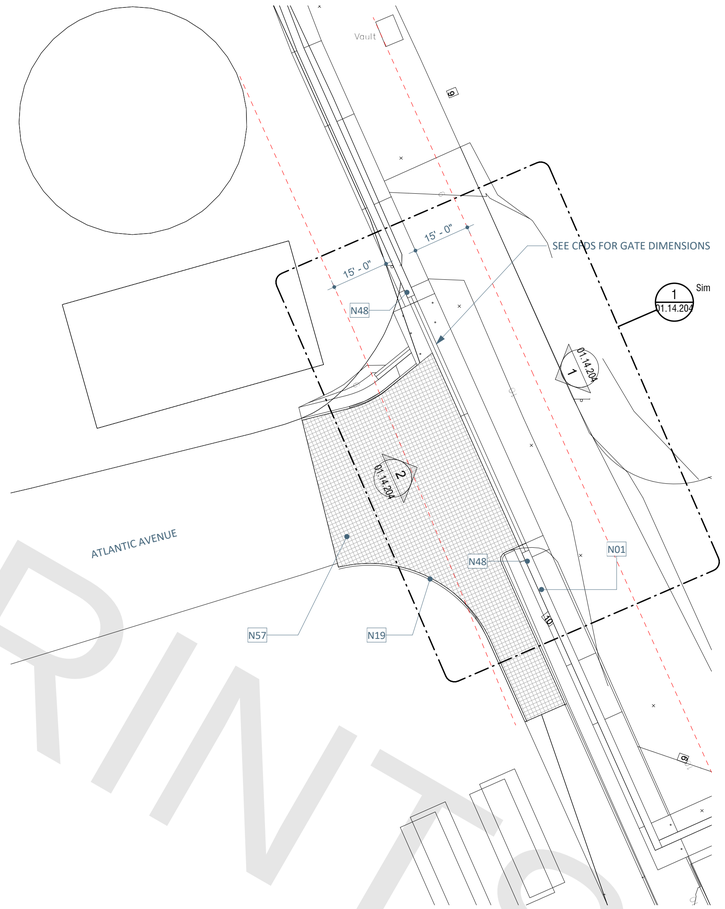
3 UI ACCESS GATE

01.14.003 | 01.14.103 1" = 20'-0"



2 PSEG ACCESS GATE

01.14.003 | 01.14.103 1" = 20'-0"



1 ATLANTIC AVENUE GATE

01.14.003 | 01.14.103 1" = 20'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:

FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

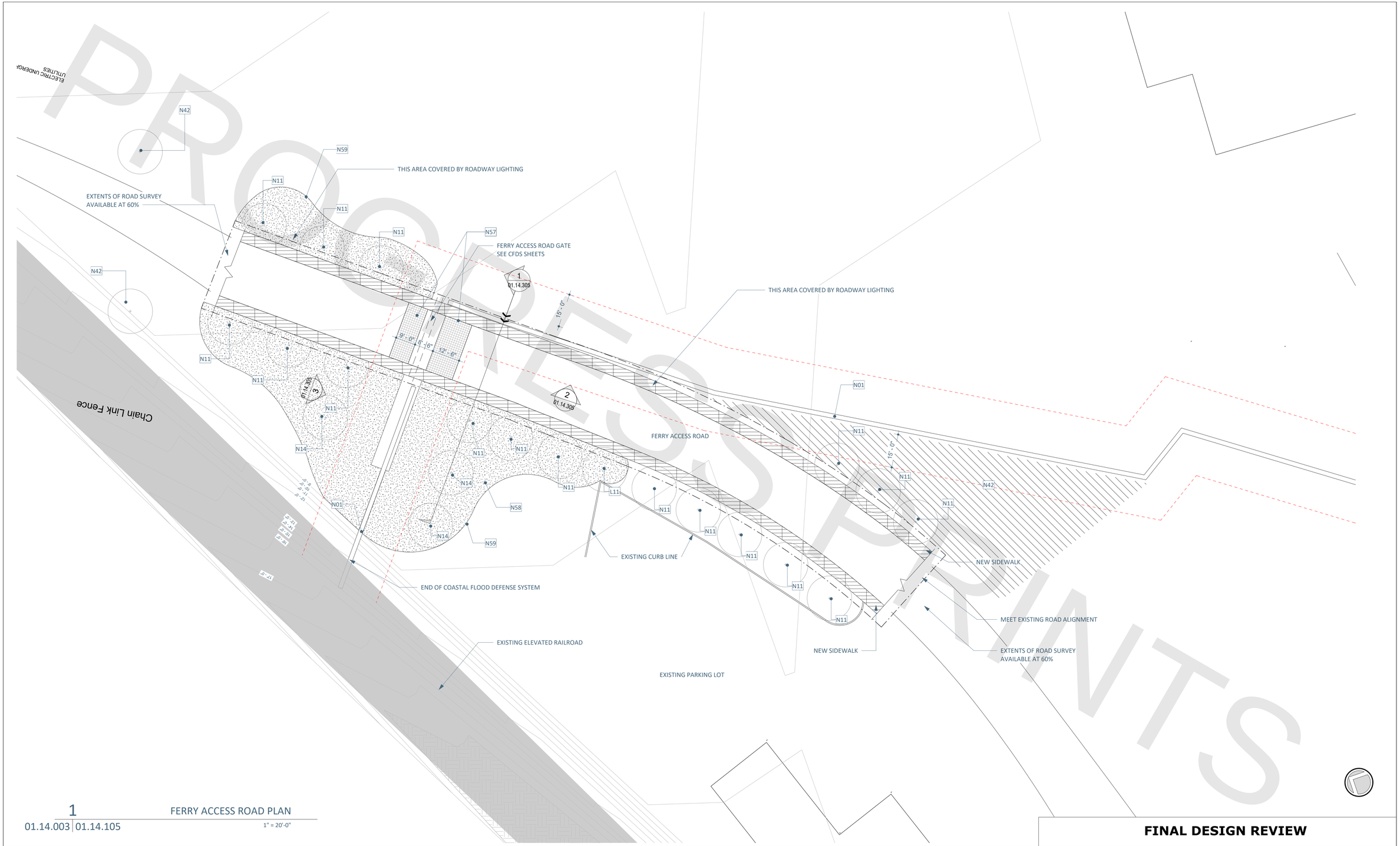
DRAWING TITLE: ENLARGED GATE PLANS

PROJECT NO. 15-384

DRAWING NO. 01.14.103

SHEET NO. **14.08**

PROGRESS PRINTS



1 FERRY ACCESS ROAD PLAN

01.14.003 | 01.14.105

1" = 20'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: ML

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

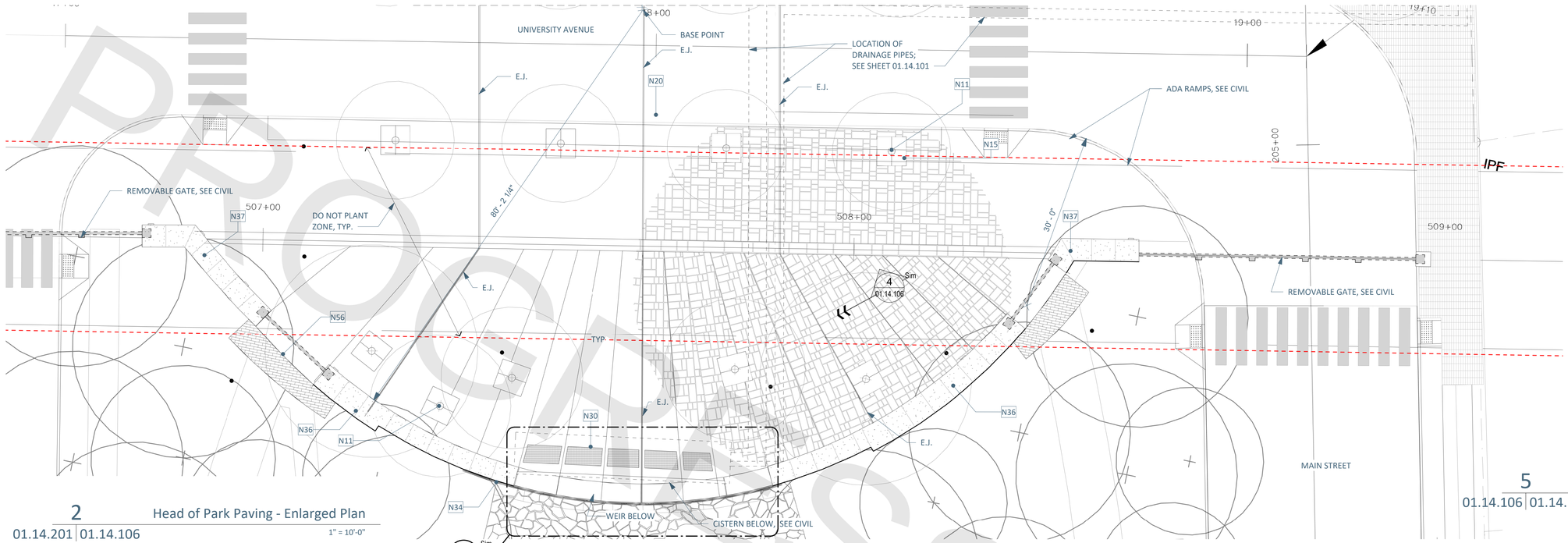
DRAWING TITLE: FERRY ACCESS ROAD PLAN

PROJECT NO. 15-384

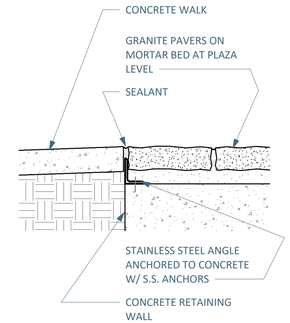
DRAWING NO. 01.14.105

SHEET NO. **14.09**

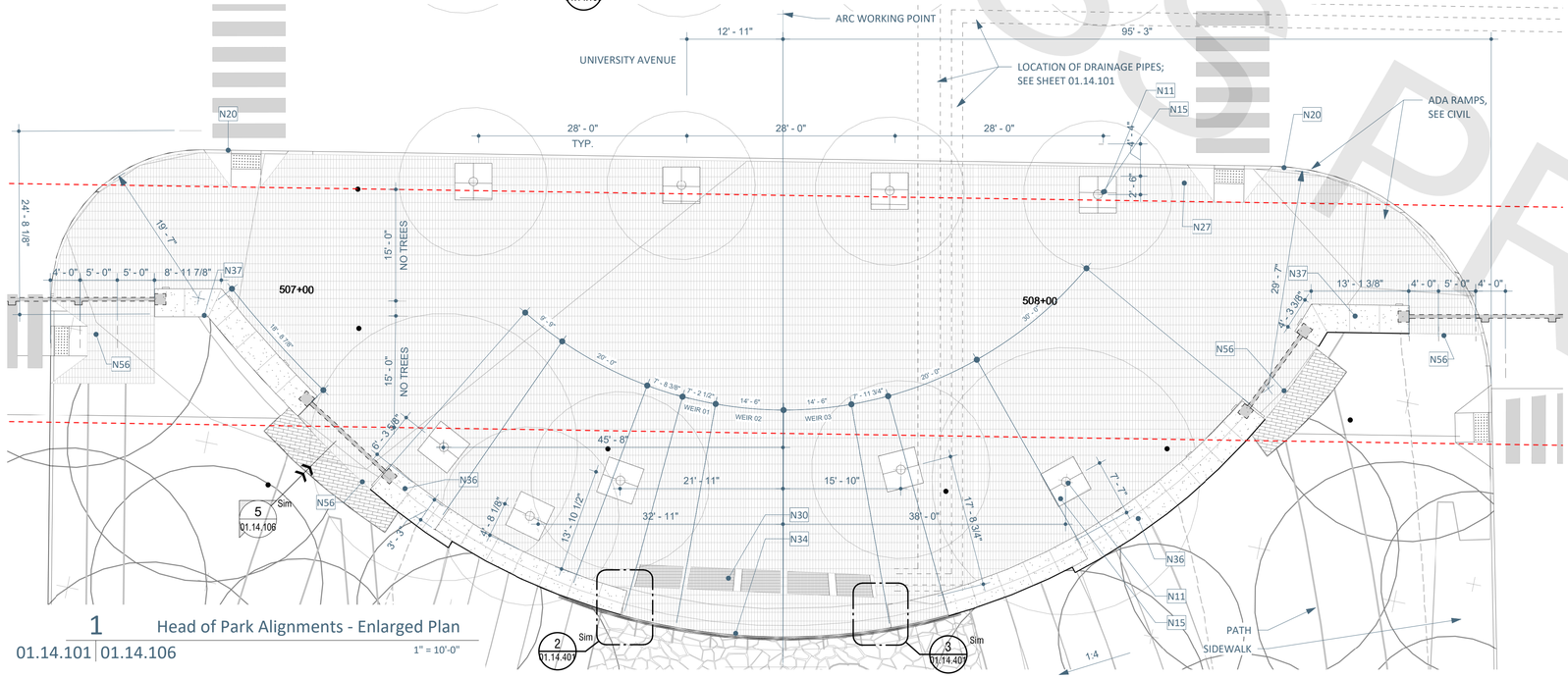
PROGRESS PRINTS



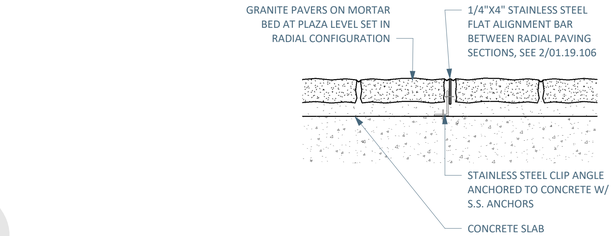
2 Head of Park Paving - Enlarged Plan
01.14.201 | 01.14.106 1" = 10'-0"



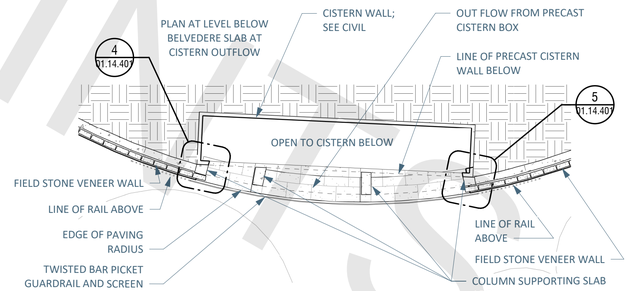
5 PAVING DETAIL
01.14.106 | 01.14.106 1" = 1'-0"



1 Head of Park Alignments - Enlarged Plan
01.14.101 | 01.14.106 1" = 10'-0"



4 PAVING DETAIL
01.14.106 | 01.14.106 1" = 1'-0"



3 Plan at Cistern Outlow
01.14.106 | 01.14.106 1" = 10'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CS, KCR, TS
CHECKED BY: DDC
SCALE IN FEET
AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

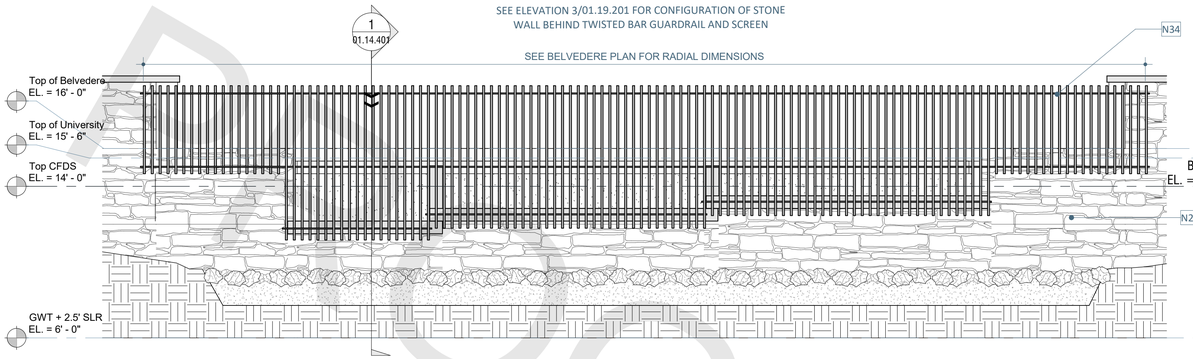
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

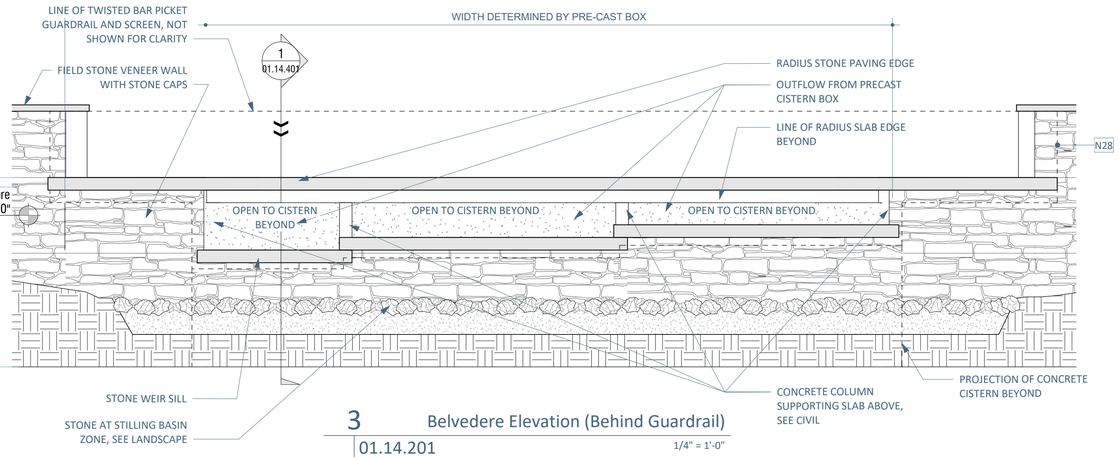
DRAWING TITLE: ENLARGED BELVEDERE PLANS

PROJECT NO. 15-384
DRAWING NO. 01.14.106
SHEET NO. **14.10**



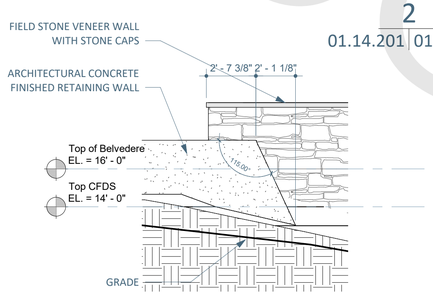
2 Belvedere Elevation

01.14.201 | 01.14.201 1/4" = 1'-0"



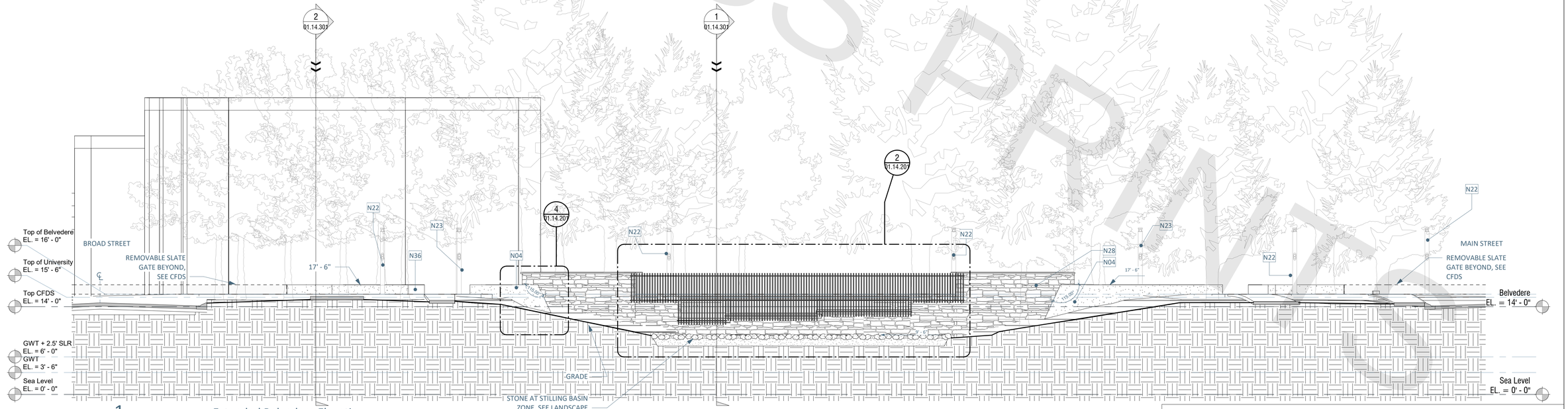
3 Belvedere Elevation (Behind Guardrail)

01.14.201 1/4" = 1'-0"



4 Partial Belvedere Elevation

01.14.201 | 01.14.201 1/4" = 1'-0"



1 Extended Belvedere Elevation

01.14.101 | 01.14.201 1/8" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

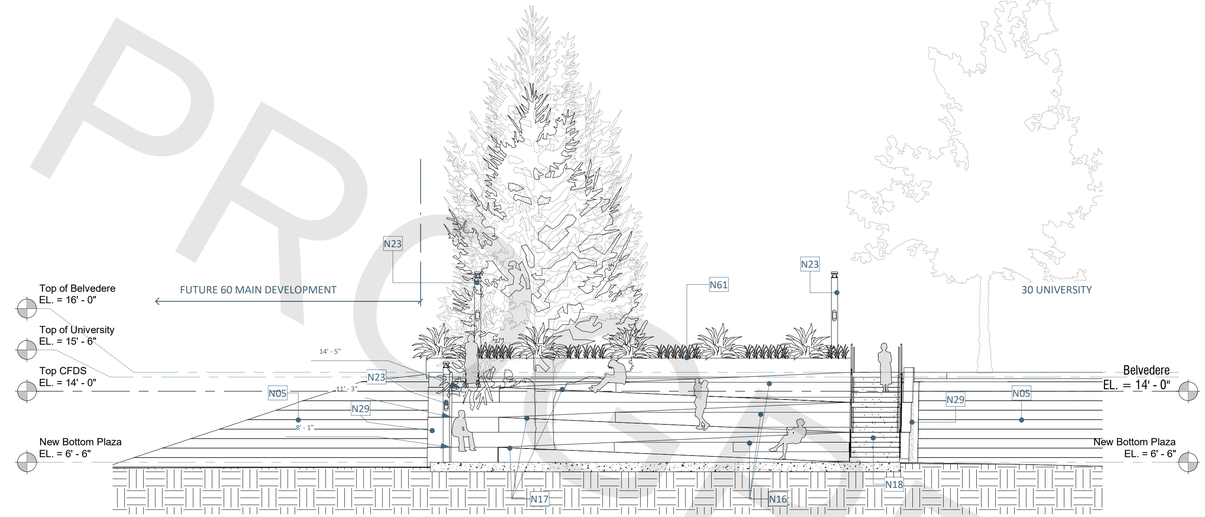
TOWN: BRIDGEPORT

DRAWING TITLE: BELVEDERE ELEVATIONS

PROJECT NO. 15-384

DRAWING NO. 01.14.201

SHEET NO. **14.11**

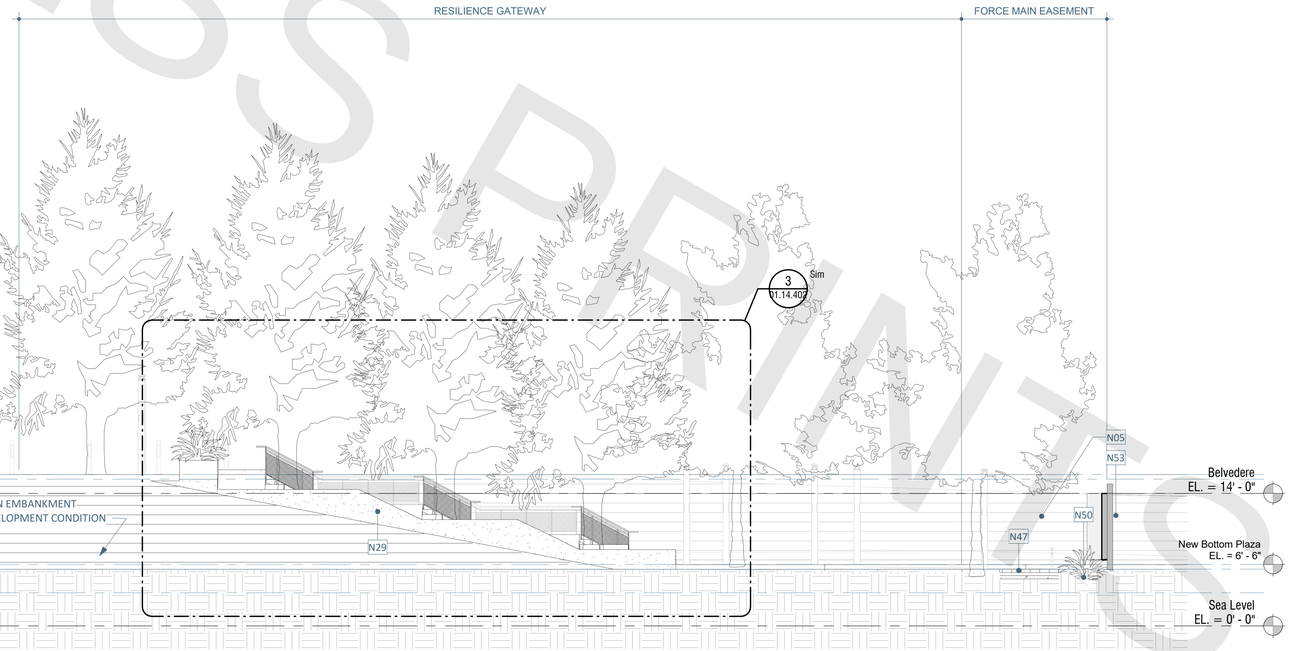


1

Resilience Gateway

01.14.102 | 01.14.202

1/8" = 1'-0"



2

Resilience Gateway East

01.14.102 | 01.14.202

1/8" = 1'-0"

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:

FLOOD RISK REDUCTION PROGRAM

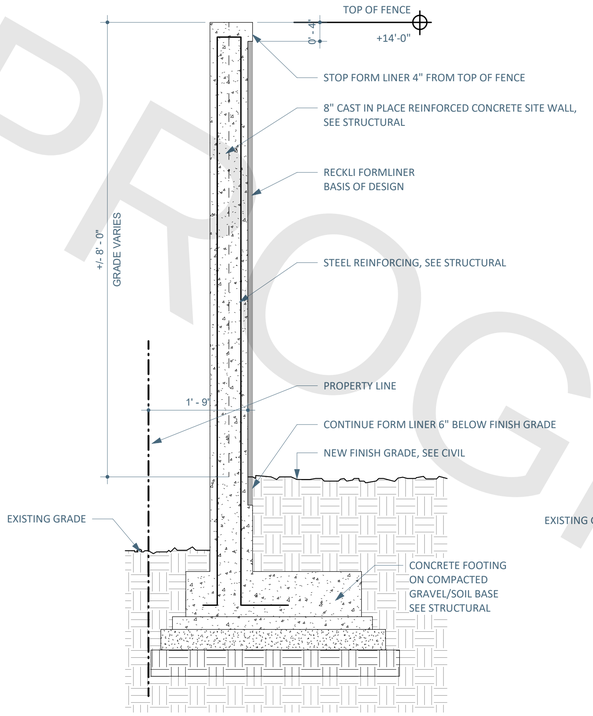
TOWN: BRIDGEPORT

DRAWING TITLE: RESILIENCE GATEWAY ELEVATIONS

PROJECT NO. 15-384

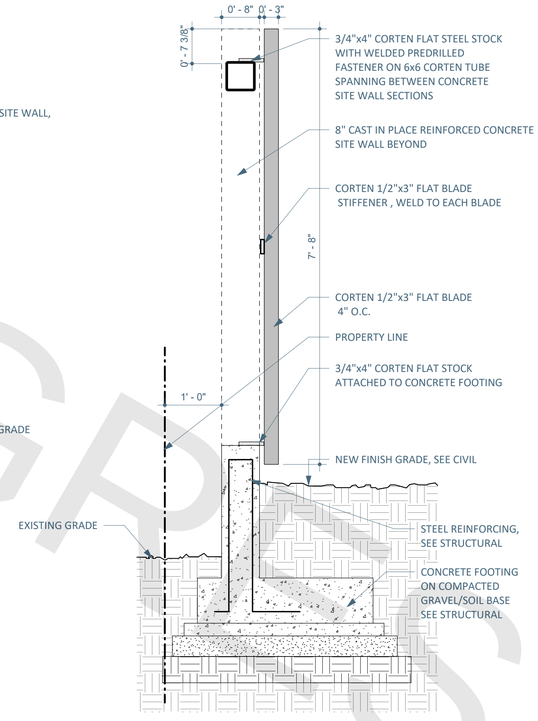
DRAWING NO. 01.14.202

SHEET NO. **14.12**



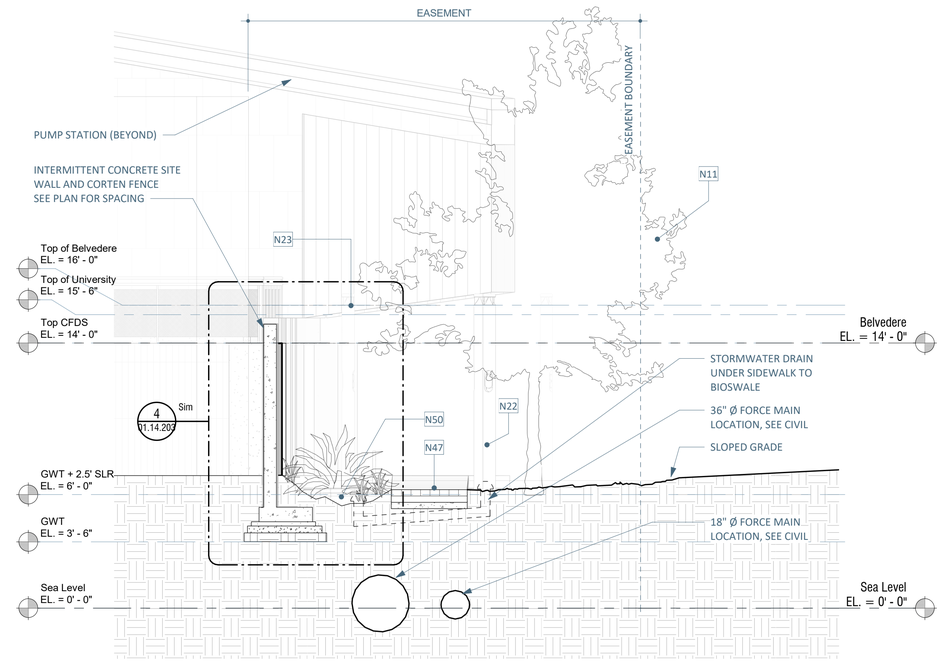
4 Cast in Place Wall Detail

01.14.203 | 01.14.203 3/4" = 1'-0"



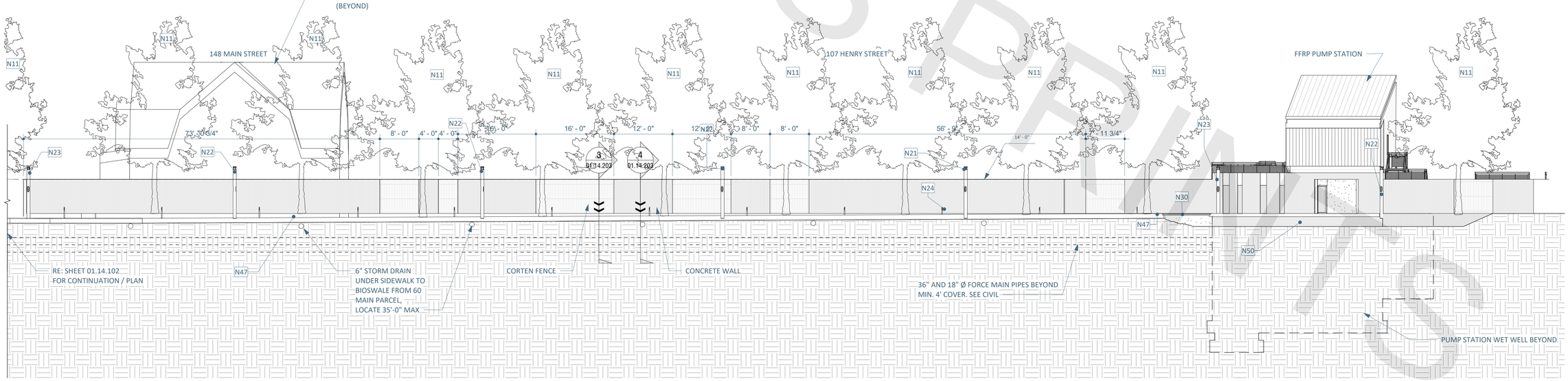
3 Corten Fence Detail

01.14.203 | 01.14.203 3/4" = 1'-0"



2 Resilience Gateway - Pump Station Trail

01.14.102 | 01.14.203 1/4" = 1'-0"



1 Pump Station and Easement Wall Elevation

01.14.102 | 01.14.203 3/32" = 1'-0"

PROGRESS PRINT

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

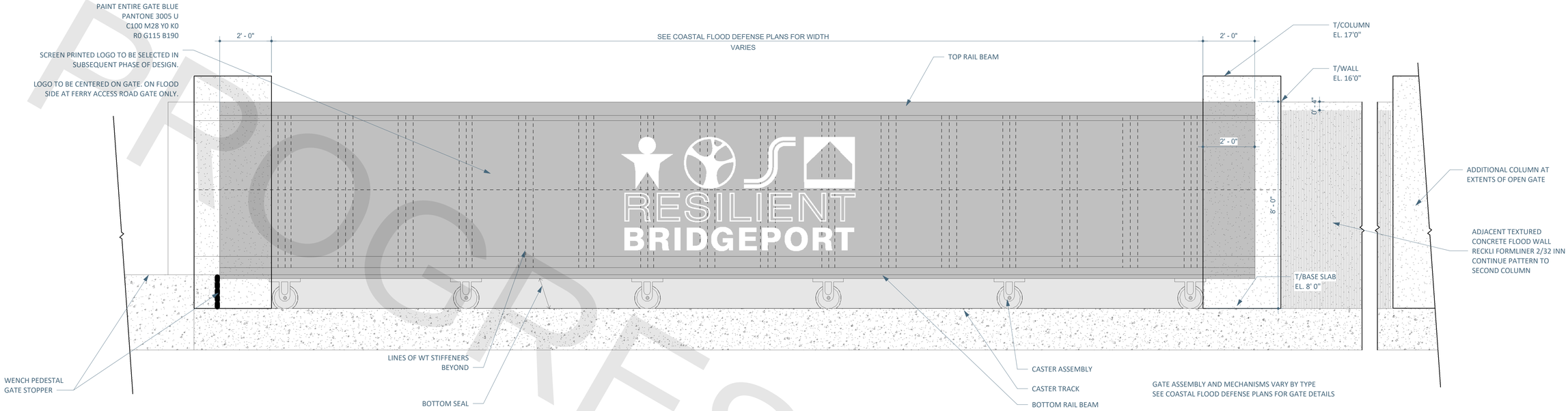
DRAWING TITLE: RESILIENCE GATEWAY ELEVATIONS

PROJECT NO. 15-384

DRAWING NO. 01.14.203

SHEET NO. **14.13**

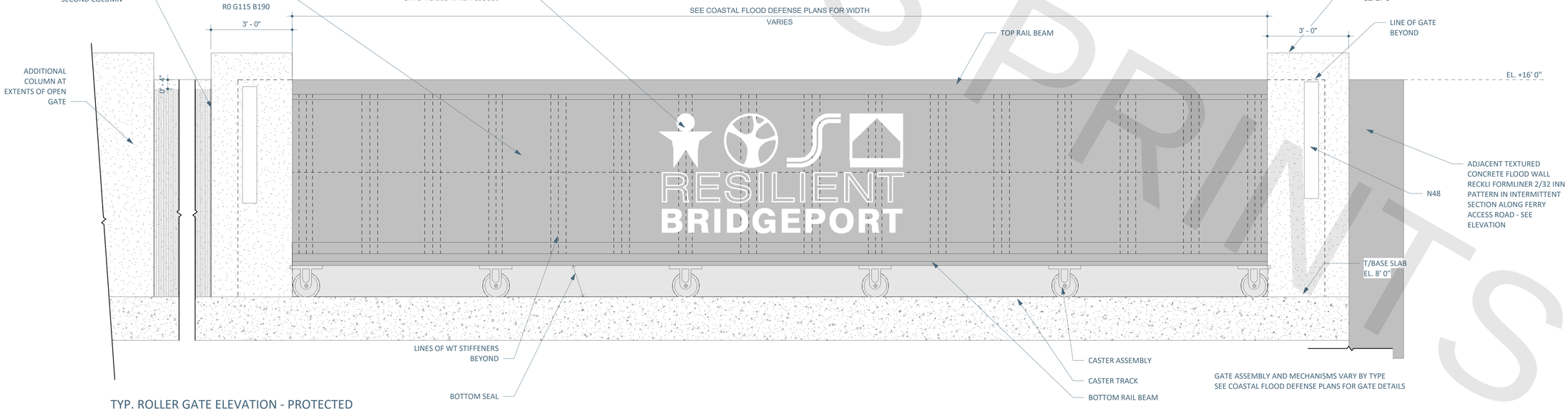
PROGRESS PRINTS



1 TYP. ROLLER GATE ELEVATION - FLOOD SIDE

01.14.103 | 01.14.204

1/2" = 1'-0"



2 TYP. ROLLER GATE ELEVATION - PROTECTED SIDE

01.14.103 | 01.14.204

1/2" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

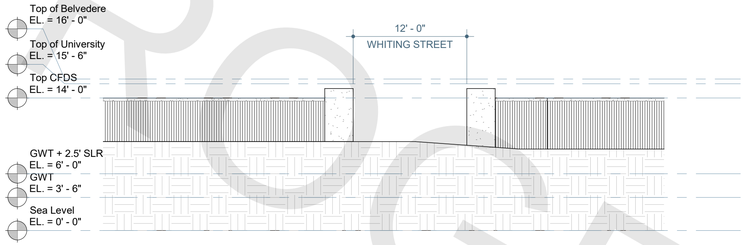
DRAWING TITLE: TYPICAL ROLLER GATE ELEVATIONS

PROJECT NO. 15-384

DRAWING NO. 01.14.204

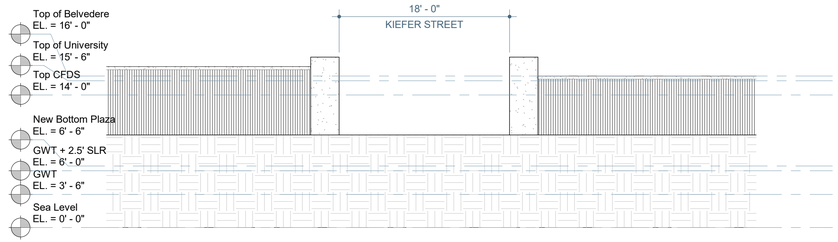
SHEET NO. **14.14**

PROGRESS PRINTS



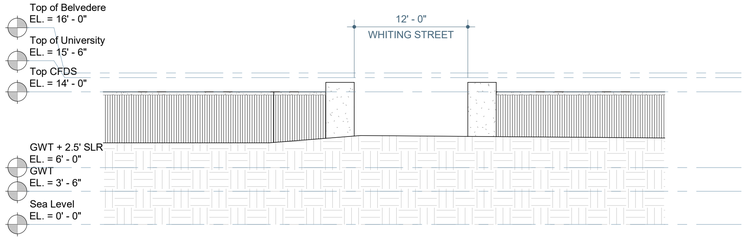
1 PSEG ACCESS GATE ELEVATION - FLOOD SIDE

01.14.103 | 01.14.205 1/8" = 1'-0"



3 UI ACCESS GATE ELEVATION - FLOOD SIDE

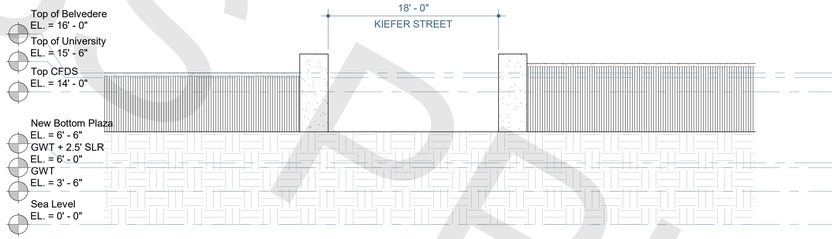
01.14.103 | 01.14.205 1/8" = 1'-0"



PSEG ACCESS GATE ELEVATION - PROTECTED SIDE

2

01.14.103 | 01.14.205 1/8" = 1'-0"



UI ACCESS GATE ELEVATION - PROTECTED SIDE

4

01.14.103 | 01.14.205 1/8" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: ML

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE: FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

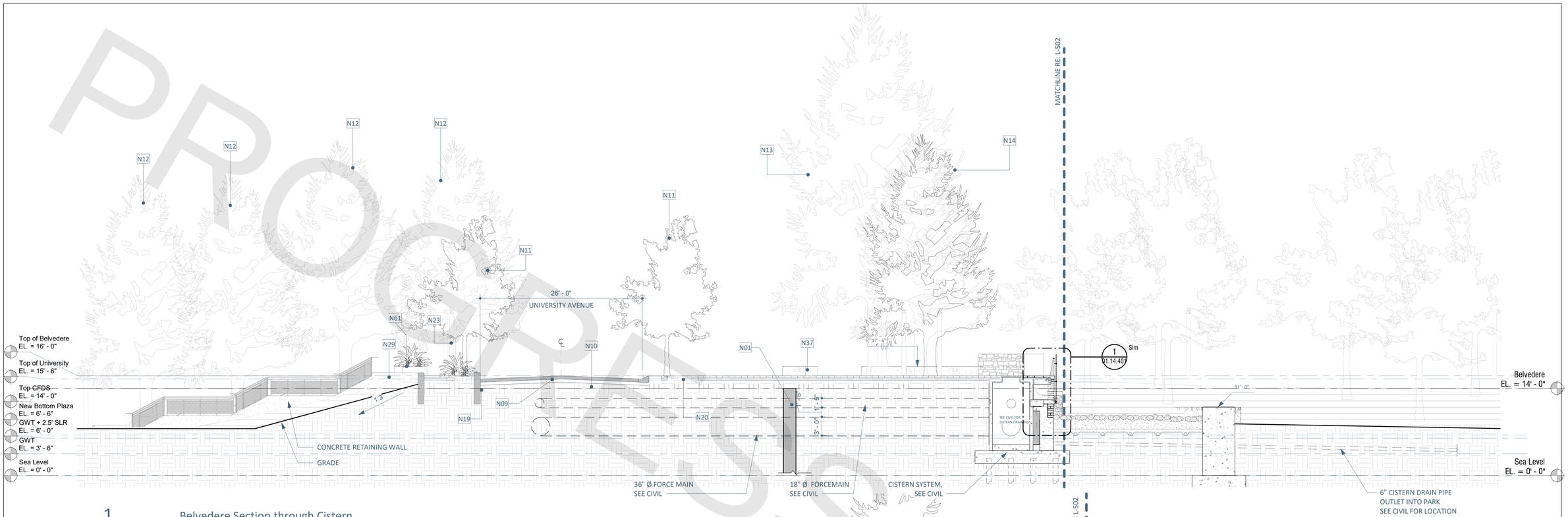
DRAWING TITLE: GATE ELEVATIONS

PROJECT NO. 15-384

DRAWING NO. 01.14.205

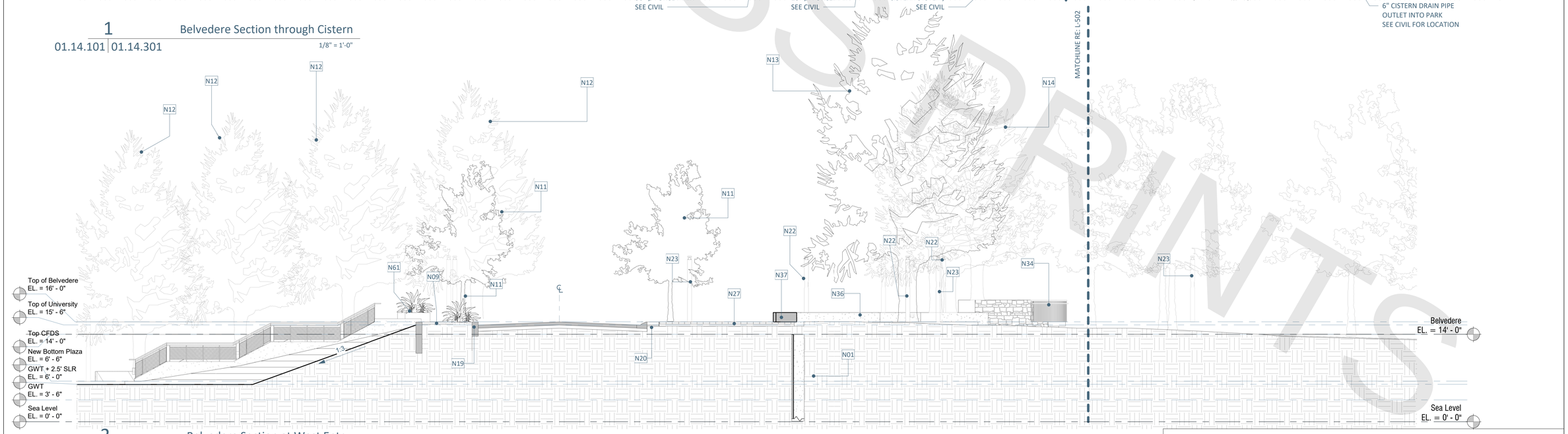
SHEET NO. **14.15**

PROGRESS PRINTS



1 Belvedere Section through Cistern

01.14.101 | 01.14.301 — 1/8" = 1'-0"



2 Belvedere Section at West Entry

01.14.101 | 01.14.301 — 1/8" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:

FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

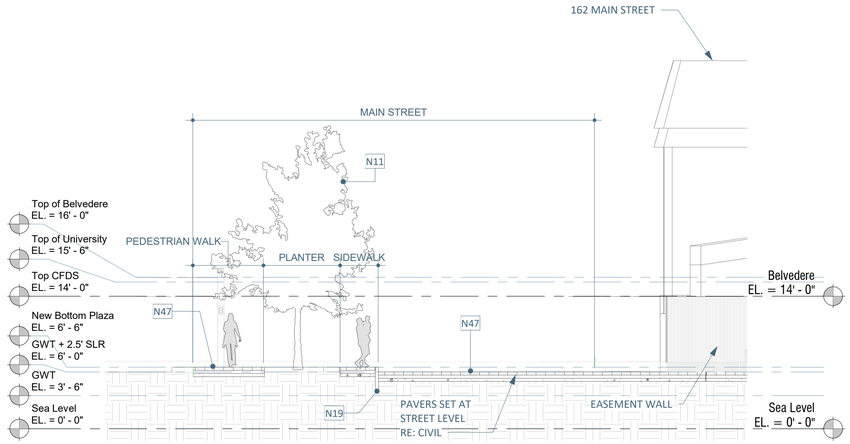
DRAWING TITLE: HEAD OF PARK SECTIONS

PROJECT NO. 15-384

DRAWING NO. 01.14.301

SHEET NO. **14.16**

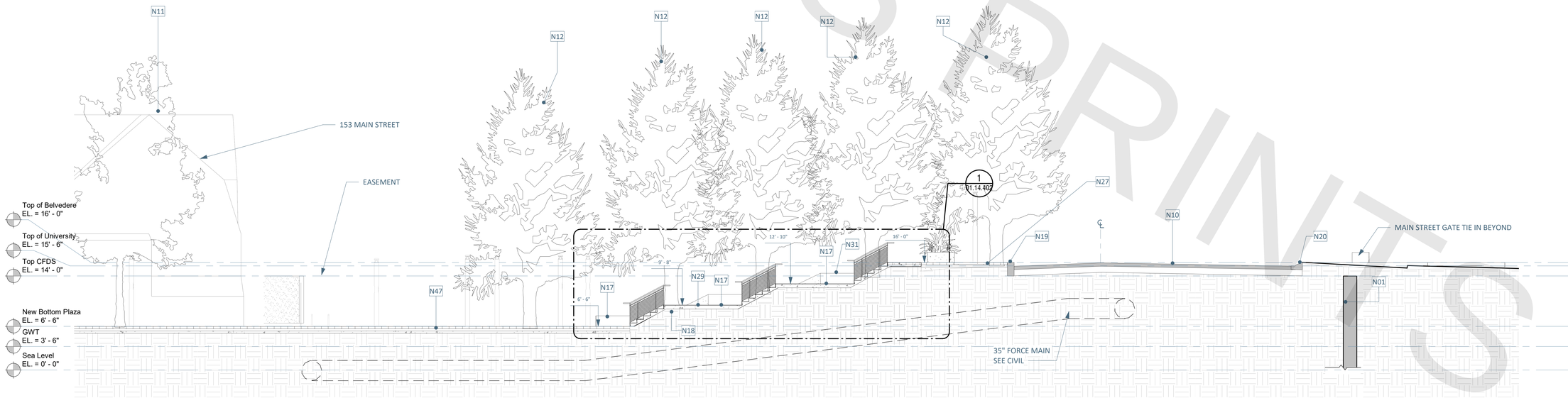
PROGRESS PRINTS



2 Resilience Gateway at Main Street

01.14.102 | 01.14.302

1/8" = 1'-0"



1 Resilience Gateway Section

01.14.102 | 01.14.302

1/8" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CS

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

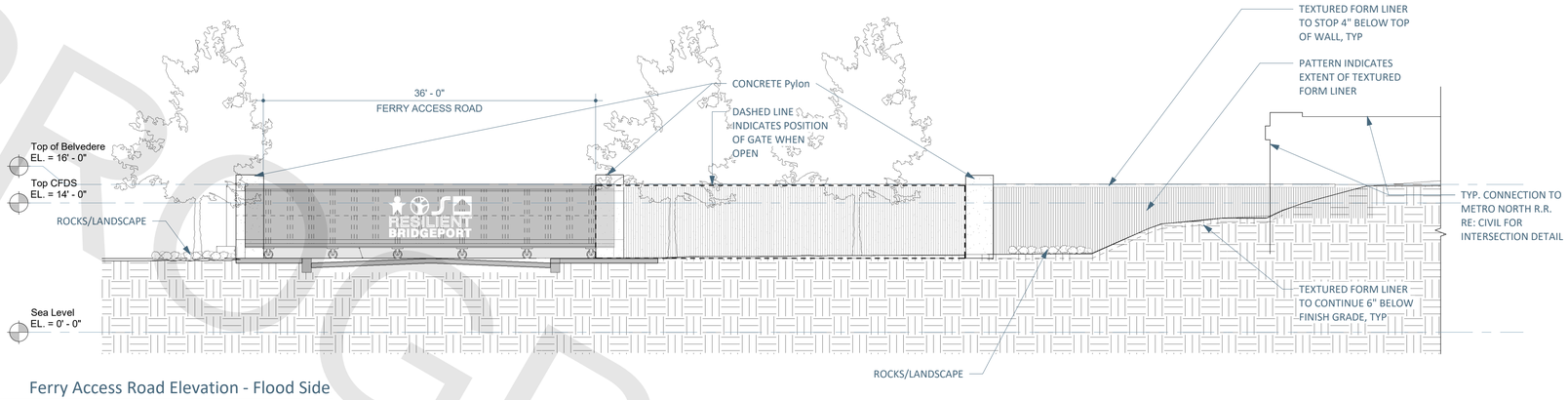
TOWN: BRIDGEPORT

DRAWING TITLE: RESILIENCE GATEWAY SECTIONS

PROJECT NO. 15-384

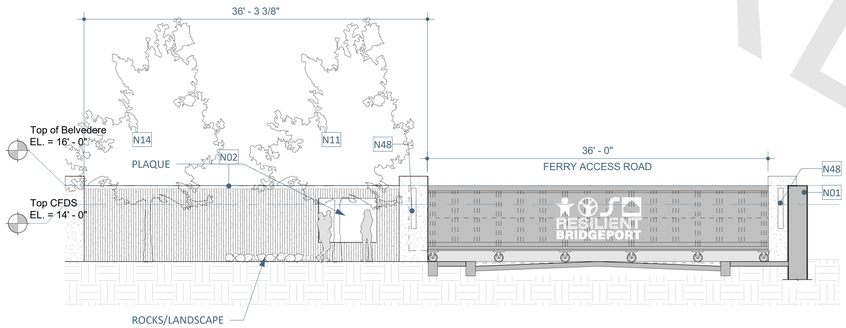
DRAWING NO. 01.14.302

SHEET NO. **14.17**



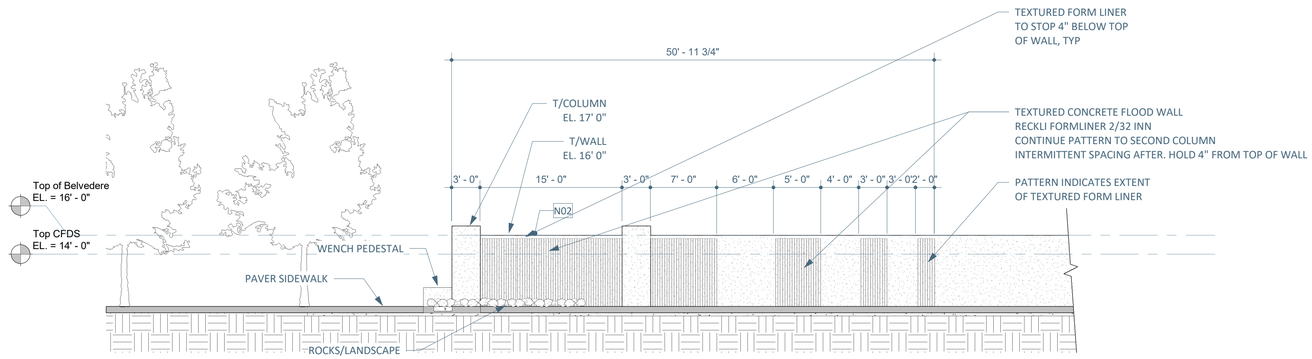
3 Ferry Access Road Elevation - Flood Side

01.14.105 | 01.14.305 1/8" = 1'-0"



1 Ferry Access Road Elevation - Protected Side

01.14.105 | 01.14.305 1/8" = 1'-0"



Ferry Access Road - East CFDS Wall Elevation Protected

01.14.105 | 01.14.305 1/8" = 1'-0"

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

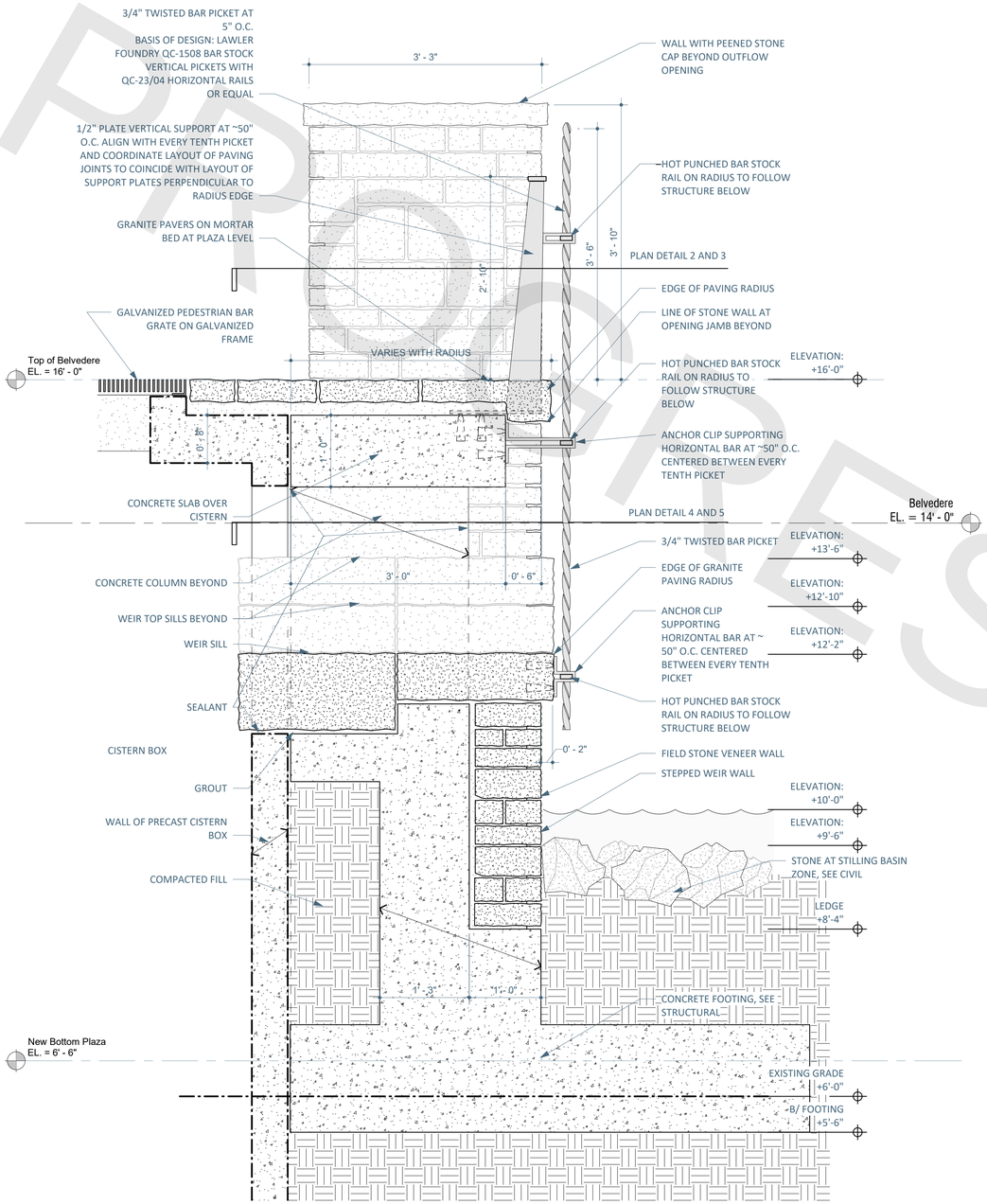
TOWN: BRIDGEPORT

DRAWING TITLE: FERRY ACCESS ROAD ELEVATIONS

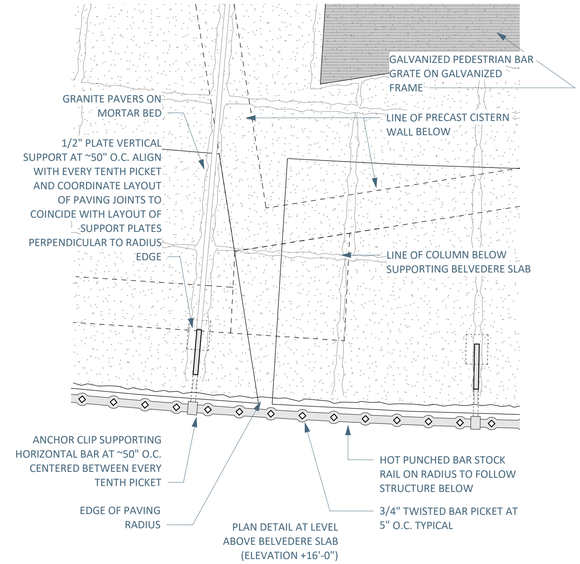
PROJECT NO. 15-384

DRAWING NO. 01.14.305

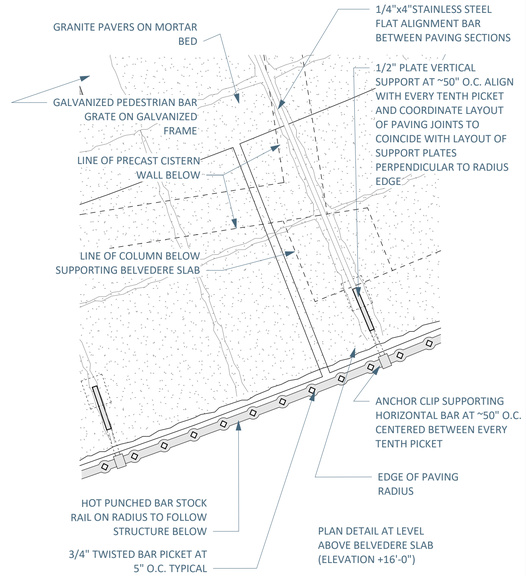
SHEET NO. **14.18**



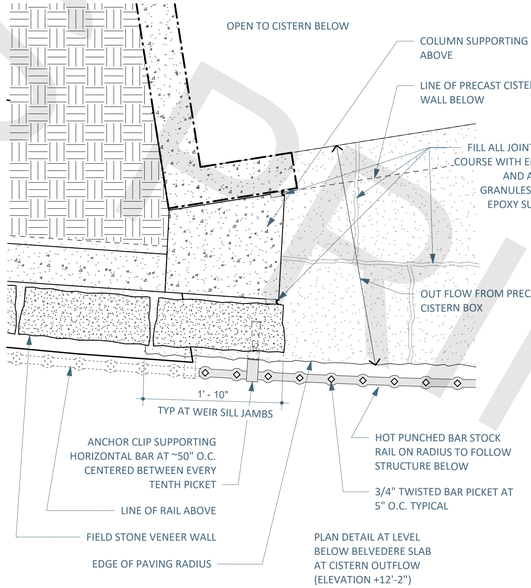
1
SECTION DETAIL
01.14.201 | 01.14.401
1" = 1'-0"



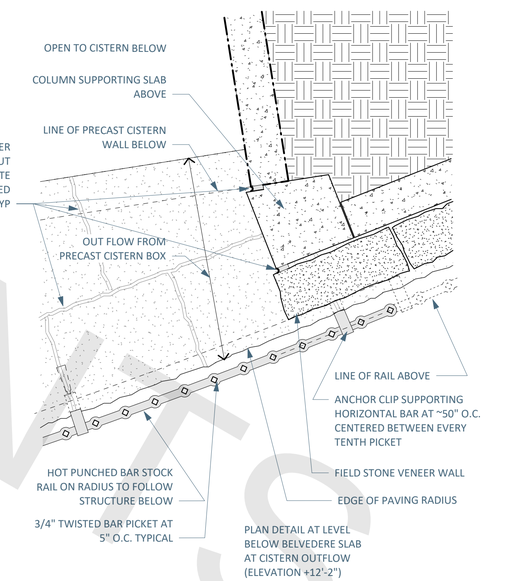
2
PLAN DETAIL
01.14.106 | 01.14.401
1" = 1'-0"



3
PLAN DETAIL
01.14.106 | 01.14.401
1" = 1'-0"



4
PLAN DETAIL
01.14.106 | 01.14.401
1" = 1'-0"



5
PLAN DETAIL
01.14.106 | 01.14.401
1" = 1'-0"

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: CS
CHECKED BY: DDC
SCALE IN FEET
AS SHOWN

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WSP USA
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WAGGONNER & BALL
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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

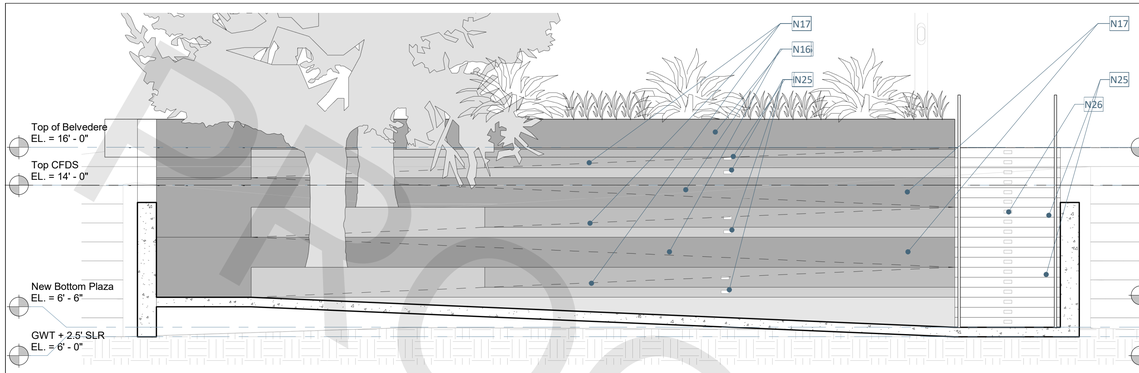
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

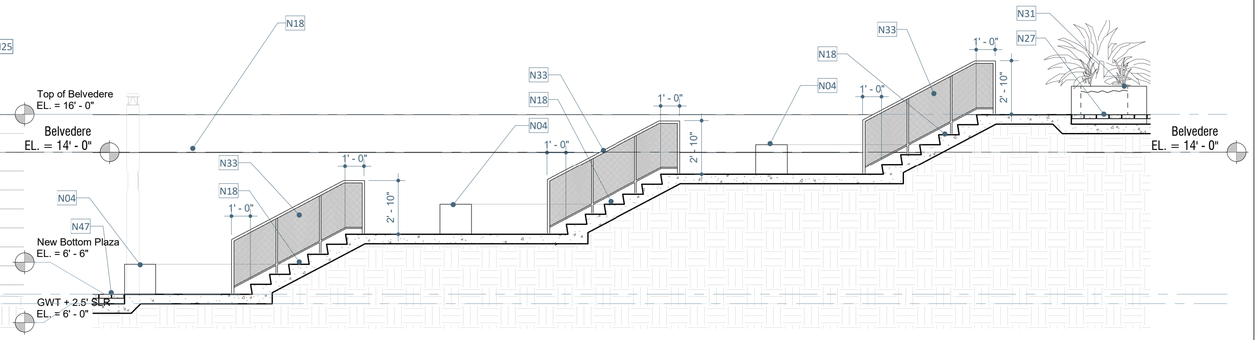
TOWN: BRIDGEPORT

DRAWING TITLE: BELVEDERE RAILING PLAN AND DETAILS

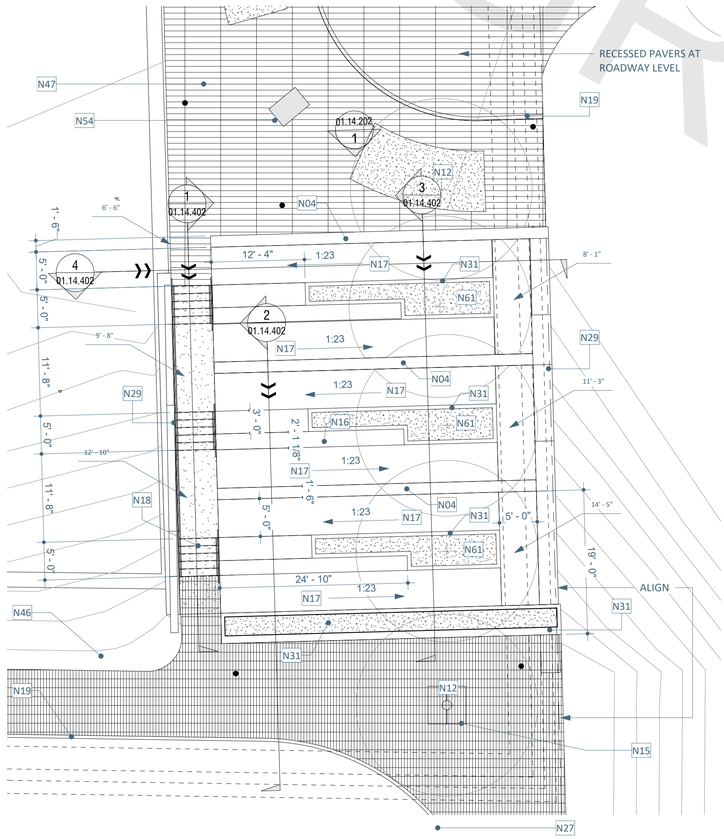
PROJECT NO. 15-384
DRAWING NO. 01.14.401
SHEET NO. **14.19**



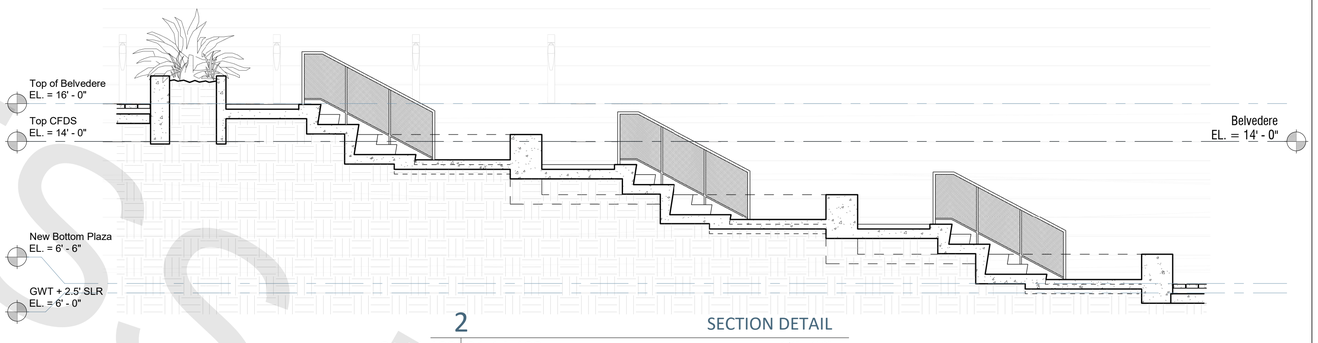
4 SECTION DETAIL
01.14.402 | 01.14.402 1/4" = 1'-0"



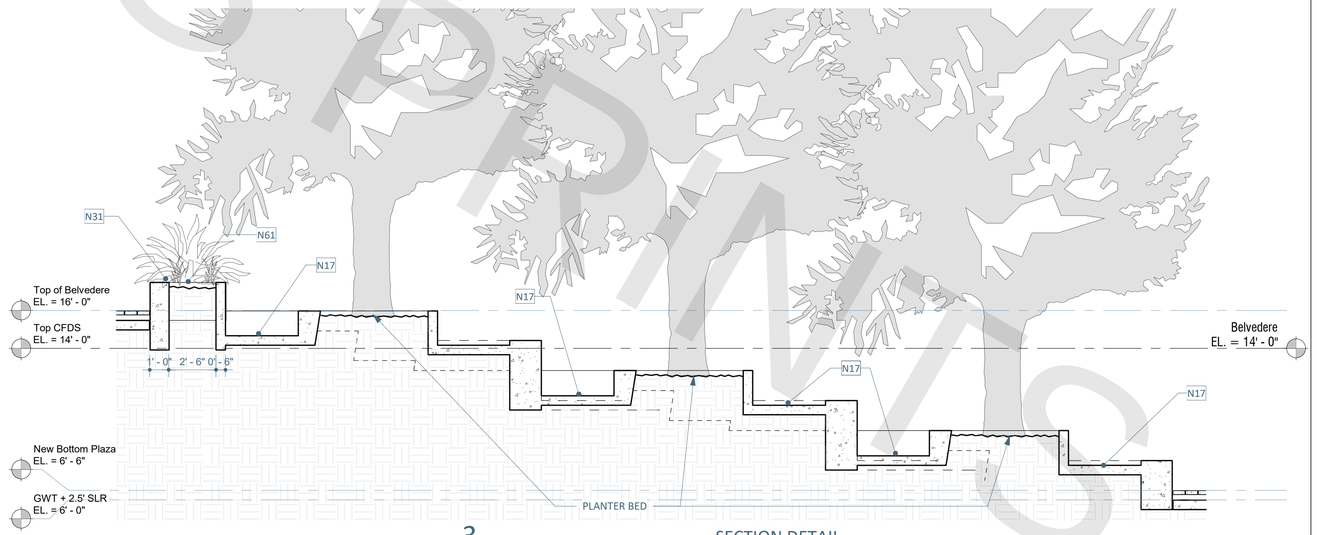
1 SECTION DETAIL
01.14.102 | 01.14.402 1/4" = 1'-0"



5 Resilience Gateway Enlarged Plan
01.14.102 | 01.14.402 1" = 10'-0"



2 SECTION DETAIL
01.14.402 | 01.14.402 1/4" = 1'-0"



3 SECTION DETAIL
01.14.202 | 01.14.402 1/4" = 1'-0"

PROGRESS PRINTS

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CS

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

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500 Winding Brook Dr. Glastonbury, CT

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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: RESILIENCE GATEWAY DETAILS

PROJECT NO. 15-384

DRAWING NO. 01.14.402

SHEET NO. **14.20**

DRAWING LIST

PLANS

L-001 LANDSCAPE DRAWINGS TITLE

L-101 LANDSCAPE TREE PROTECTION PLAN
L-102 LANDSCAPE TREE PROTECTION PLAN
L-103 LANDSCAPE TREE PROTECTION PLAN

L-201 LANDSCAPE MATERIALS PLAN
L-202 LANDSCAPE MATERIALS PLAN
L-203 LANDSCAPE MATERIALS PLAN

L-301 LANDSCAPE GRADING PLAN
L-302 LANDSCAPE GRADING PLAN
L-303 LANDSCAPE GRADING PLAN

L-311 LANDSCAPE SOILS PLAN
L-312 LANDSCAPE SOILS PLAN
L-313 LANDSCAPE SOILS PLAN

L-400 PLANTING SCHEDULE

L-401 LANDSCAPE GROUNDCOVER PLAN
L-402 LANDSCAPE GROUNDCOVER PLAN
L-403 LANDSCAPE GROUNDCOVER PLAN

L-411 INTENTIONALLY BLANK

L-421 LANDSCAPE TREE PLAN
L-422 LANDSCAPE TREE PLAN
L-423 LANDSCAPE TREE PLAN

ELEVATION & SECTION

L-501 STILLING BASIN ELEVATION AND SECTIONS
L-502 STILLING BASIN ELEVATION AND SECTIONS
L-503 PEDESTRIAN CROSSING ELEVATION AND SECTIONS

DETAILS

L-601 PAVING DETAILS

L-611 SITE DETAILS

L-701 PLANTING AND SOIL DETAILS
L-702 PLANTING AND SOIL DETAILS

NOTES

SITE DEMOLITION NOTES
1. Contractor shall verify all existing conditions in the field and report any discrepancies between plans and actual conditions to Landscape Architect before beginning work.
2. Tree and shrub removal shall include the felling, cutting, grubbing out of roots and satisfactory off-site disposal of all stumps vegetative and extraneous debris produced through the removal operations.
3. Existing trees and shrubs to remain shall not be altered under any circumstances and must remain in the same condition as observed prior to construction.
4. No heavy machinery is to be used within the root system of existing trees. Excavation within root system zones is to be performed by hand.
5. Any items scheduled to remain which are damaged by Contractor's operations shall be replaced at Contractor's expense.
6. Contractor shall leave work site free of any debris at the end of each day's operations.

LAYOUT NOTES
1. Do not scale drawings.
2. Contractor shall verify all existing conditions and layout dimensions in the field. Report any discrepancies to the Landscape Architect for design prior to commencing construction.
3. Stake or otherwise flag all design elements and features in the field. Obtain Landscape Architect's approval prior to commencing construction.
4. All dimensions from structure are from face of finish of exterior wall unless otherwise stated.
5. All angles are assumed to be 90 degrees unless otherwise stated.
6. See planting plans for location of trees and shrubs, planting beds and extent of sodding and seeding.
7. See architectural drawings for all building dimensions.
8. Dimensions at curbs of pavement edging are given from outside face of curb to outside face of curb unless otherwise stated.
9. Any changes proposed to dimensions shown on this drawing shall be approved by the Landscape Architect prior to construction.

GRADING NOTES
1. Contractor shall verify all existing grades in the field and report any discrepancies immediately to the landscape architect.
2. Stake proposed finish grade and cut/fills of existing grade in the field. Obtain Landscape Architect's approval prior to commencing construction.
3. Slope away from all buildings.
4. Provide vertical curves or roundings at abrupt changes in grade unless otherwise noted. Blend new earthwork smoothly into existing grades.
5. Maintain existing grades at existing plant material to remain
6. Grade surfaces to assure positive drainage from all structures and to prevent ponding of surface drainage.
7. All fill material is subject to approval by Landscape Architect.
8. Pitch evenly between spot grades. All paved areas must pitch to drain at a minimum of 1/8" per foot. Any discrepancies not allowing this to occur shall be reported to the Landscape Architect prior to continuing work.
9. Once grading operations are completed, all disturbed areas within or outside of the limits of work shall be stabilized by fine grading and seeding or mulching as directed by the Landscape Architect.
10. All erosion control measures are to be constructed to meet field conditions at the time of construction and prior to any grading or disturbance of existing material on balance of site.

PLANTING NOTES
1. The Contractor shall supply all plant material in quantities sufficient to complete the planting shown on all drawings.
2. Contractor shall verify all existing conditions in the field. Report any discrepancies to the Landscape Architect for design prior to commencing planting.
3. All plant material shall conform to the guidelines established by "The American Standard for Nursery Stock" published by the American Nursery and Landscape Association, latest edition.
4. All plants shall be balled and burlap unless otherwise noted on the plant list.
5. All plants shall be approved by Landscape Architect prior to their installation at the site.
6. Contractor shall stake all plant locations in the field. Obtain approval of Landscape Architect before starting plant installations.
7. Plants to be transplanted shall be flagged and exact planting locations staked in the field.
8. All areas disturbed by construction activities are to be fine graded and seeded.

LIGHTING NOTES
1. General contractor to provide and install all sleeving and conduits for all electrical work. Electrical contractor shall provide all wiring, switches, fixtures and transformers for installation of all exterior lighting and electrical work. An As-Built plan shall be produced by the contractor after final installation.
2. Lighting design shall be installed by a certified licensed electrician. Installation methods shall comply with all manufacturers, state and local code.
3. Down lighting attached to any plantings or trees shall be attached as not to harm or disfigure the normal habit and growth of the tree. Method of attachment shall be approved by architect.
4. Lamp adjustment and fixture locations must be laid out in field prior to installation for landscape architects approval. Final lamp adjustment to take place in the field at night with the electrical contractor, landscape architect and client.
5. Contractor to care for any plantings in and around lighting installation operations. Any damage to root zones or limbs of any plantings and existing trees may result in replacement of plant material by the contractor and subcontractors.

LEGENDS

GENERAL LEGEND

SYMBOL	KEYNOTE	DESCRIPTION
RE:L-XXX / RE:L-XXX		MATCHLINE
		EXTENT OF STRUCTURE BELOW
L.O.W.		LIMIT OF WORK

TREE PROTECTION LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
		TREE TO REMOVE		
		ROOT ZONE TO PROTECT		
	TP-01	TREE PROTECTION	10/L.701	XXXXXX

MATERIALS LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
Furnishings				
	FU-01	BENCH		0992090A
	FU-02	LITTER / RECYCLING RECEPTACLES		0992103A
	FU-03	PICNIC TABLE		0992089A
Lighting				
●	LT-01	LIGHT POLE - PEDESTRIAN TYPE 1	RE:ARCH	RE:ARCH
◉	LT-02	LIGHT POLE - PEDESTRIAN TYPE 2	RE:ARCH	RE:ARCH
Paving				
	PV-01	C.I.P. CONCRETE PAVING; BROOM FINISH	1/L-601	0921001A
	PV-02	C.I.P. CONCRETE PAVING' SANDBLASTED FINISH	1/L-601	0921001A
	PV-03	UNIT PAVERS	2/L-601	RE:ARCH
	PV-04	STONE REINFORCEMENT	3/L-601	0921020A
Sturcures				
	PV-05	WOOD BOARDWALK	5/L-611	0922103A
	PV-06	WOOD PEDESTRIAN CROSSING	L-503	06043XXA
	SW-01	STILLING BASIN WEIR	1/L-611	0605020A
	SW-02	STILLING BASIN WEIR	6/L-611	0605020A
	WA-01	MERRITT PARKWAY GUARDRAIL	RE:CIVIL	RE:CIVIL

SOILS LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
	SL-01	LAWN SOIL PROFILE	2/L-701	0944000A
	SL-02	PLANTING BED SOIL PROFILE	3/L-701	0944000A
	SL-03	PLANTING BED SOIL PROFILE AT SLOPE	4/L-701	0944000A

GRADING LEGEND

SYMBOL	DESCRIPTION
XX.XX	PROPOSED MAJOR CONTOUR
XX.XX	PROPOSED MINOR CONTOUR
XX.XX	EXISTING CONTOUR
X.XX%	SLOPE
(XXX.XX) +	EXISTING SPOT GRADE
XX.XX FG +	FINISHED GRADE
XX.XX HP +	HIGH POINT
XX.XX LP +	LOW POINT
XX.XX BC +	BOTTOM OF CURB
XX.XX TC +	TOP OF CURB
XX.XX BR +	BOTTOM OF RAMP
XX.XX TR +	TOP OF RAMP
XX.XX BS +	BOTTOM OF STEP
XX.XX TS +	TOP OF STEP
XX.XX BW +	BOTTOM OF WALL
XX.XX TW +	TOP OF WALL
XX.XX TD +	TOP OF DECKING
XX.XXTB +	TOP OF BRIDGE
	GRADE BREAK
	SWALE CENTER LINE

PROGRESS PRINTS

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER:
CHECKED BY:

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE DRAWINGS TITLE

PROJECT NO. 15-383
DRAWING NO. L-001
SHEET NO. **14.21**

TREE PROTECTION LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
		TREE TO REMOVE		
		ROOT ZONE TO PROTECT		
	TP-01	TREE PROTECTION	10/L.701	XXXXXX

SITE DEMOLITION NOTES

1. Contractor shall verify all existing conditions in the field and report any discrepancies between plans and actual conditions to Landscape Architect before beginning work.
2. Tree and shrub removal shall include the felling, cutting, grubbing out of roots and satisfactory off-site disposal of all stumps vegetative and extraneous debris produced through the removal operations.
3. Existing trees and shrubs to remain shall not be altered under any circumstances and must remain in the same condition as observed prior to construction.
4. No heavy machinery is to be used within the root system of existing trees. Excavation within root system zones is to be performed by hand.
5. Any items scheduled to remain which are damaged by Contractor's operations shall be replaced at Contractor's expense.
6. Contractor shall leave work site free of any debris at the end of each day's operations.

RE: ARCH

RE: L-102

PROGRESS PRINTS

FINAL DESIGN REVIEW

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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DESIGNER/DRAFTER:

CHECKED BY:

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE TREE PROTECTION PLAN

PROJECT NO. 15-383

DRAWING NO. L-101

SHEET NO. **14.22**

PROGRESS PRINTS

TREE PROTECTION LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
		TREE TO REMOVE		
		ROOT ZONE TO PROTECT		
	TP-01	TREE PROTECTION	10/L.701	XXXXXX

SITE DEMOLITION NOTES

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RE: L-101

RE: L-103

Paved Drive

SOUNDVIEW DRIVE

TP-01

TP-01

28"OAK

18"MAP

24"SYCAMORE

BROKEN BIT & GRASS

CONSTRUCTION DEBRIS

GRASS

GRANITE CURB

BUS STOP

BROAD STREET

Exit Road

Entrance Only

Concrete Walk

Brick Walk

Stone Curb

Conc Curb

Conc Apron

Conc Walk

Bit. Walk

Chain Link Fence

Cable

Gate

Wire Fence

Chain Link

Conc Curb

Conc Walk

Bit. Walk

Stone Curb

Brick Walk

Stone Curb

Conc Curb

Conc Walk

Conc Curb

Conc Walk

Bit.

TREE PROTECTION LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
		TREE TO REMOVE		
		ROOT ZONE TO PROTECT		
	TP-01	TREE PROTECTION	10/L.701	XXXXXX

SITE DEMOLITION NOTES

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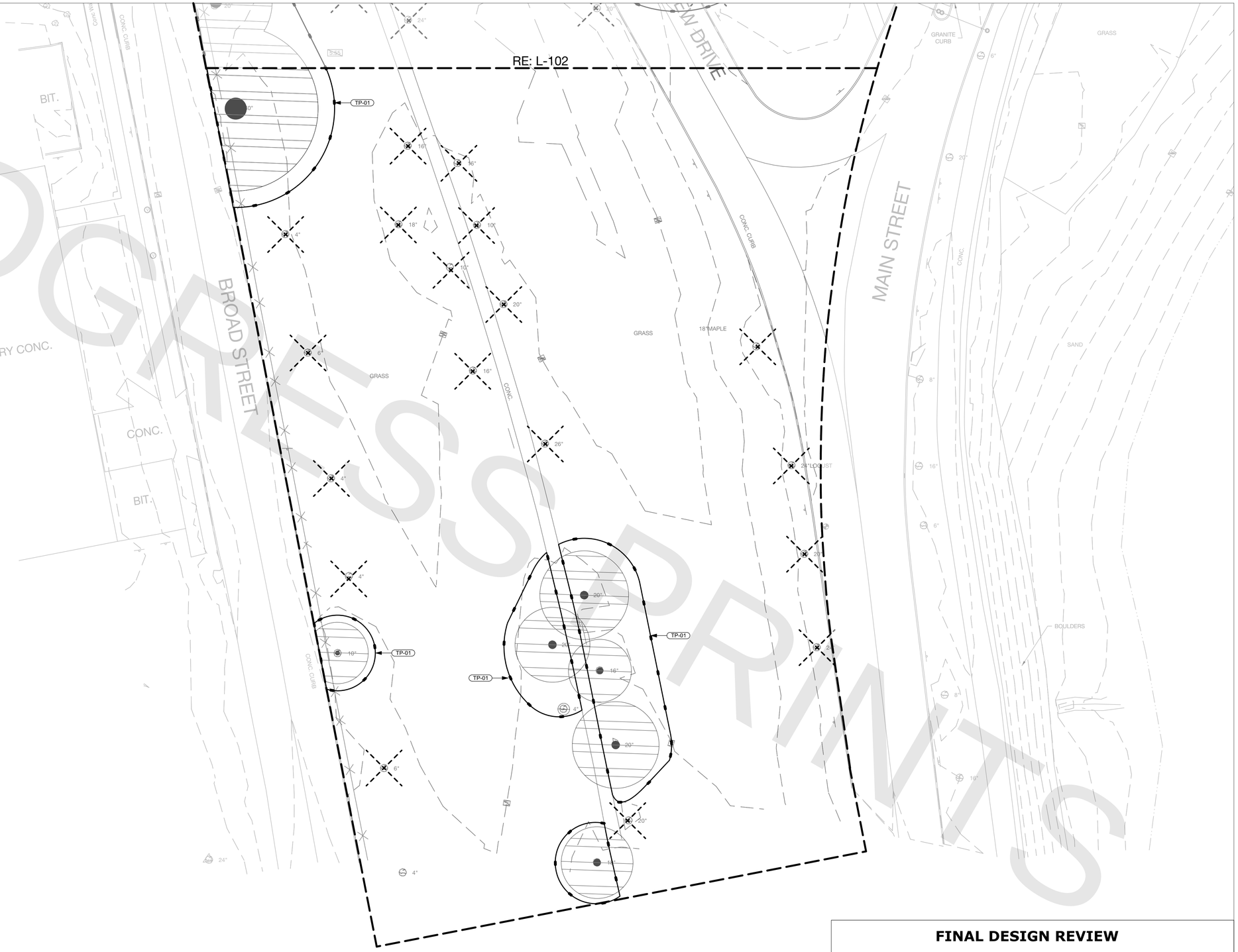

PROGRESS PRINTS

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DESIGNER/DRAFTER:

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SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
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WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE:
LANDSCAPE
TREE PROTECTION PLAN

PROJECT NO. 15-383

DRAWING NO. L-103

SHEET NO. **14.24**

MATERIALS LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
Furnishings				
	FU-01	BENCH		0992090A
	FU-02	LITTER / RECYCLING RECEPTACLES		0992103A
	FU-03	PICNIC TABLE		0992089A
Lighting				
	LT-01	LIGHT POLE - PEDESTRIAN TYPE 1	RE:ARCH	RE:ARCH
	LT-02	LIGHT POLE - PEDESTRIAN TYPE 2	RE:ARCH	RE:ARCH
Paving				
	PV-01	C.I.P. CONCRETE PAVING; BROOM FINISH	1/L-601	0921001A
	PV-02	C.I.P. CONCRETE PAVING' SANDBLASTED FINISH	1/L-601	0921001A
	PV-03	UNIT PAVERS	2/L-601	RE:ARCH
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	PV-05	WOOD BOARDWALK	5/L-611	0922103A
	PV-06	WOOD PEDESTRIAN CROSSING	L-503	06043XXA
	SW-01	STILLING BASIN WEIR	1/L-611	0605020A
	SW-02	STILLING BASIN WEIR	6/L-611	0605020A
	WA-01	MERRITT PARKWAY GUARDRAIL	RE:CIVIL	RE:CIVIL

LAYOUT NOTES
1. Do not scale drawings.
2. Contractor shall verify all existing conditions and layout dimensions in the field. Report any discrepancies to the Landscape Architect for design prior to commencing construction.
3. Stake or otherwise flag all design elements and features in the field. Obtain Landscape Architect's approval prior to commencing construction.
4. All dimensions from structure are from face of finish of exterior wall unless otherwise stated.
5. All angles are assumed to be 90 degrees unless otherwise stated.
6. See planting plans for location of trees and shrubs, planting beds and extent of sodding and seeding.
7. See architectural drawings for all building dimensions.
8. Dimensions at curbs of pavement edging are given from outside face of curb to outside face of curb unless otherwise stated.
9. Any changes proposed to dimensions shown on this drawing shall be approved by the Landscape Architect prior to construction.

PROGRESS PRINTS

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

FINAL DESIGN REVIEW

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SCALE IN FEET
0 20 40
SCALE 1"=20'

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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

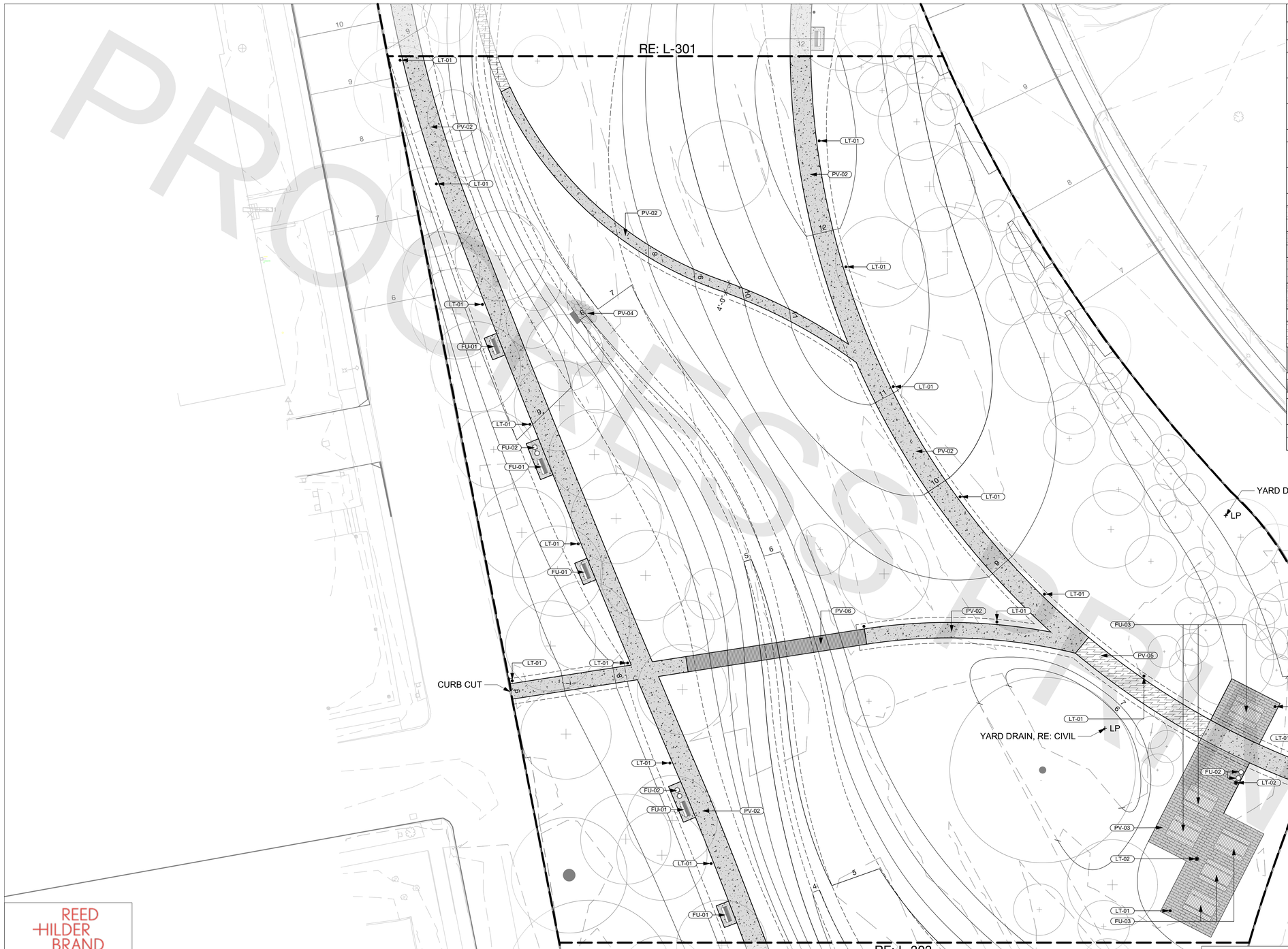
DRAWING TITLE: LANDSCAPE MATERIALS PLAN

PROJECT NO. 15-383

DRAWING NO. L-201

SHEET NO. **14.25**

PROGRESS PRINTS



MATERIALS LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
Furnishings				
	FU-01	BENCH		0992090A
	FU-02	LITTER / RECYCLING RECEPTACLES		0992103A
	FU-03	PICNIC TABLE		0992089A
Lighting				
	LT-01	LIGHT POLE - PEDESTRIAN TYPE 1	RE:ARCH	RE:ARCH
	LT-02	LIGHT POLE - PEDESTRIAN TYPE 2	RE:ARCH	RE:ARCH
Paving				
	PV-01	C.I.P. CONCRETE PAVING; BROOM FINISH	1/L-601	0921001A
	PV-02	C.I.P. CONCRETE PAVING' SANDBLASTED FINISH	1/L-601	0921001A
	PV-03	UNIT PAVERS	2/L-601	RE:ARCH
	PV-04	STONE REINFORCEMENT	3/L-601	0921020A
Sturcures				
	PV-05	WOOD BOARDWALK	5/L-611	0922103A
	PV-06	WOOD PEDESTRIAN CROSSING	L-503	06043XXA
	SW-01	STILLING BASIN WEIR	1/L-611	0605020A
	SW-02	STILLING BASIN WEIR	6/L-611	0605020A
	WA-01	MERRITT PARKWAY GUARDRAIL	RE:CIVIL	RE:CIVIL

LAYOUT NOTES
1. Do not scale drawings.
2. Contractor shall verify all existing conditions and layout dimensions in the field. Report any discrepancies to the Landscape Architect for design prior to commencing construction.
3. Stake or otherwise flag all design elements and features in the field. Obtain Landscape Architect's approval prior to commencing construction.
4. All dimensions from structure are from face of finish of exterior wall unless otherwise stated.
5. All angles are assumed to be 90 degrees unless otherwise stated.
6. See planting plans for location of trees and shrubs, planting beds and extent of sodding and seeding.
7. See architectural drawings for all building dimensions.
8. Dimensions at curbs of pavement edging are given from outside face of curb to outside face of curb unless otherwise stated.
9. Any changes proposed to dimensions shown on this drawing shall be approved by the Landscape Architect prior to construction.

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

REV.	DATE	REVISION DESCRIPTION

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SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

FINAL DESIGN REVIEW

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE MATERIALS PLAN

PROJECT NO. 15-383
DRAWING NO. L-202
SHEET NO. **14.26**

MATERIALS LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
Furnishings				
	FU-01	BENCH		0992090A
	FU-02	LITTER / RECYCLING RECEPTACLES		0992103A
	FU-03	PICNIC TABLE		0992089A
Lighting				
	LT-01	LIGHT POLE - PEDESTRIAN TYPE 1	RE:ARCH	RE:ARCH
	LT-02	LIGHT POLE - PEDESTRIAN TYPE 2	RE:ARCH	RE:ARCH
Paving				
	PV-01	C.I.P. CONCRETE PAVING; BROOM FINISH	1/L-601	0921001A
	PV-02	C.I.P. CONCRETE PAVING' SANDBLASTED FINISH	1/L-601	0921001A
	PV-03	UNIT PAVERS	2/L-601	RE:ARCH
	PV-04	STONE REINFORCEMENT	3/L-601	0921020A
Sturcures				
	PV-05	WOOD BOARDWALK	5/L-611	0922103A
	PV-06	WOOD PEDESTRIAN CROSSING	L-503	06043XXA
	SW-01	STILLING BASIN WEIR	1/L-611	0605020A
	SW-02	STILLING BASIN WEIR	6/L-611	0605020A
	WA-01	MERRITT PARKWAY GUARDRAIL	RE:CIVIL	RE:CIVIL

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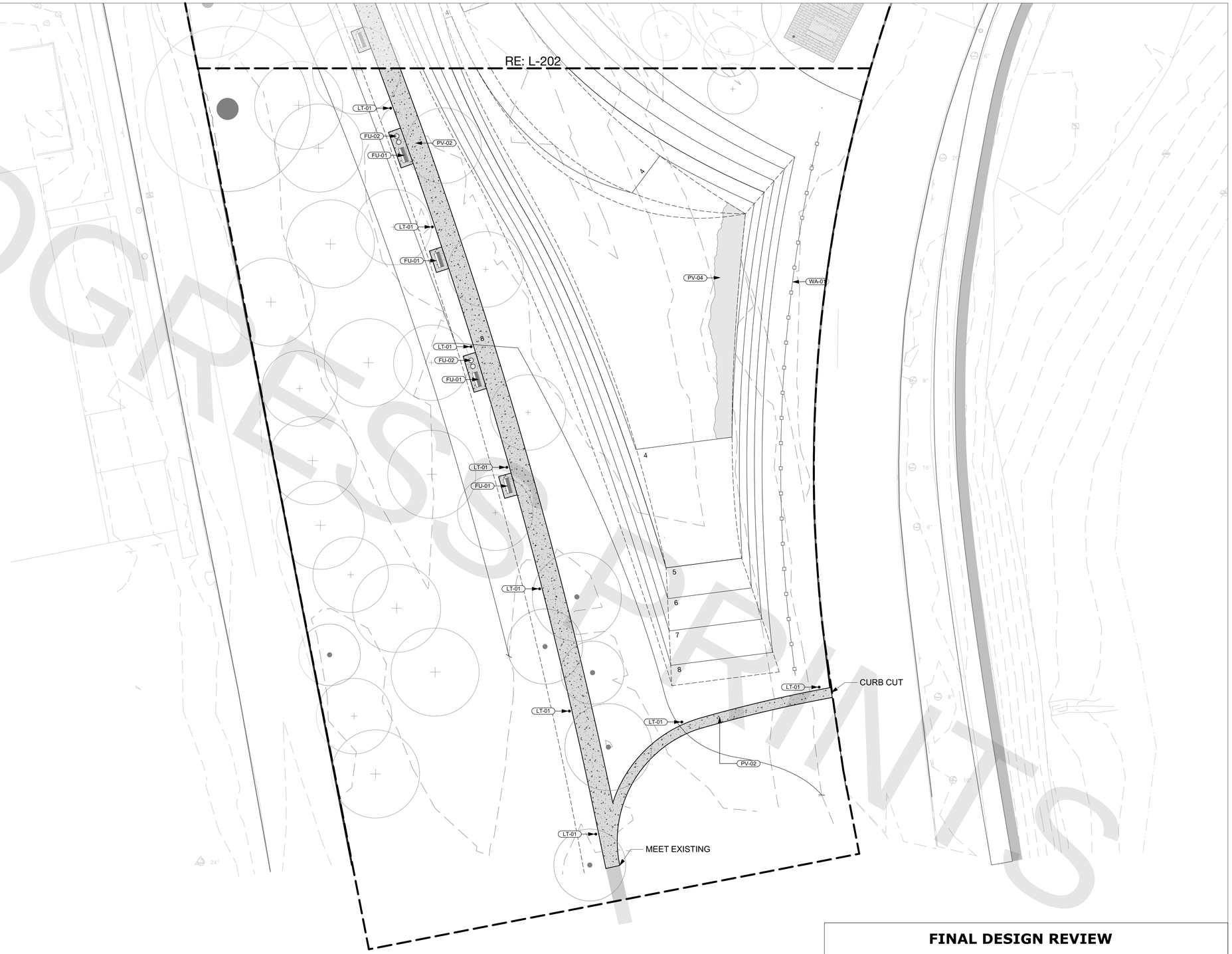

PROGRESS PRINTS

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
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2200 Prytania St. New Orleans, LA

ARCADIS
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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

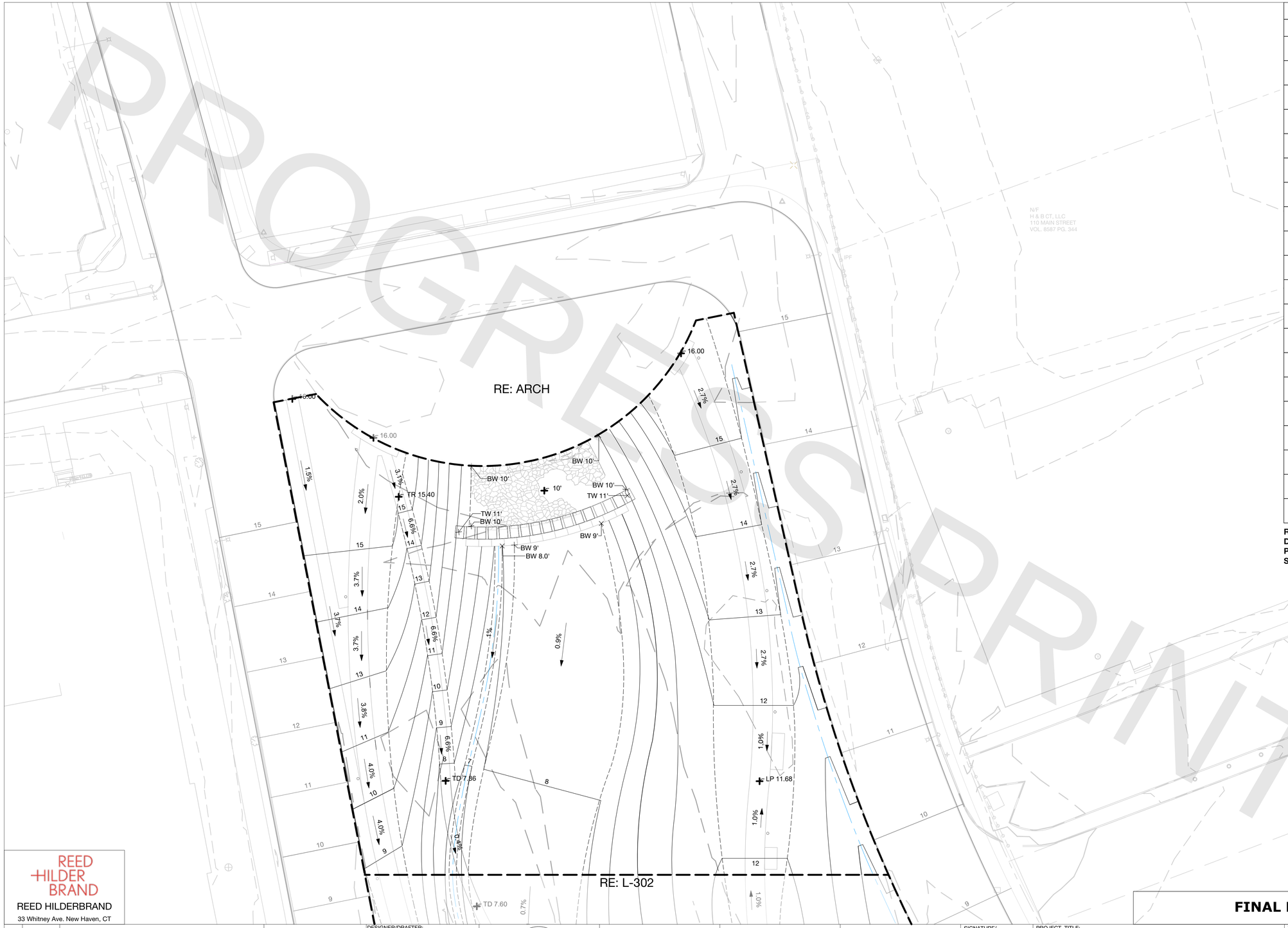
TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE MATERIALS PLAN

PROJECT NO. 15-383

DRAWING NO. L-202

SHEET NO. **14.27**



PROGRESS PRINTS

GRADING LEGEND

SYMBOL	DESCRIPTION
XX.XX	PROPOSED MAJOR CONTOUR
XX.XX	PROPOSED MINOR CONTOUR
XX.XX	EXISTING CONTOUR
X.XX%	SLOPE
(XXX.XX) +	EXISTING SPOT GRADE
XX.XX FG +	FINISHED GRADE
XX.XX HP +	HIGH POINT
XX.XX LP +	LOW POINT
XX.XX BC +	BOTTOM OF CURB
XX.XX TC +	TOP OF CURB
XX.XX BR +	BOTTOM OF RAMP
XX.XX TR +	TOP OF RAMP
XX.XX BS +	BOTTOM OF STEP
XX.XX TS +	TOP OF STEP
XX.XX BW +	BOTTOM OF WALL
XX.XX TW +	TOP OF WALL
XX.XX TD +	TOP OF DECKING
XX.XXTB +	TOP OF BRIDGE
	GRADE BREAK
	SWALE CENTER LINE

REFER TO CIVIL DRAWINGS; GRADING PLANS AND EARTHWORK SPECIFICATIONS

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FINAL DESIGN REVIEW

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

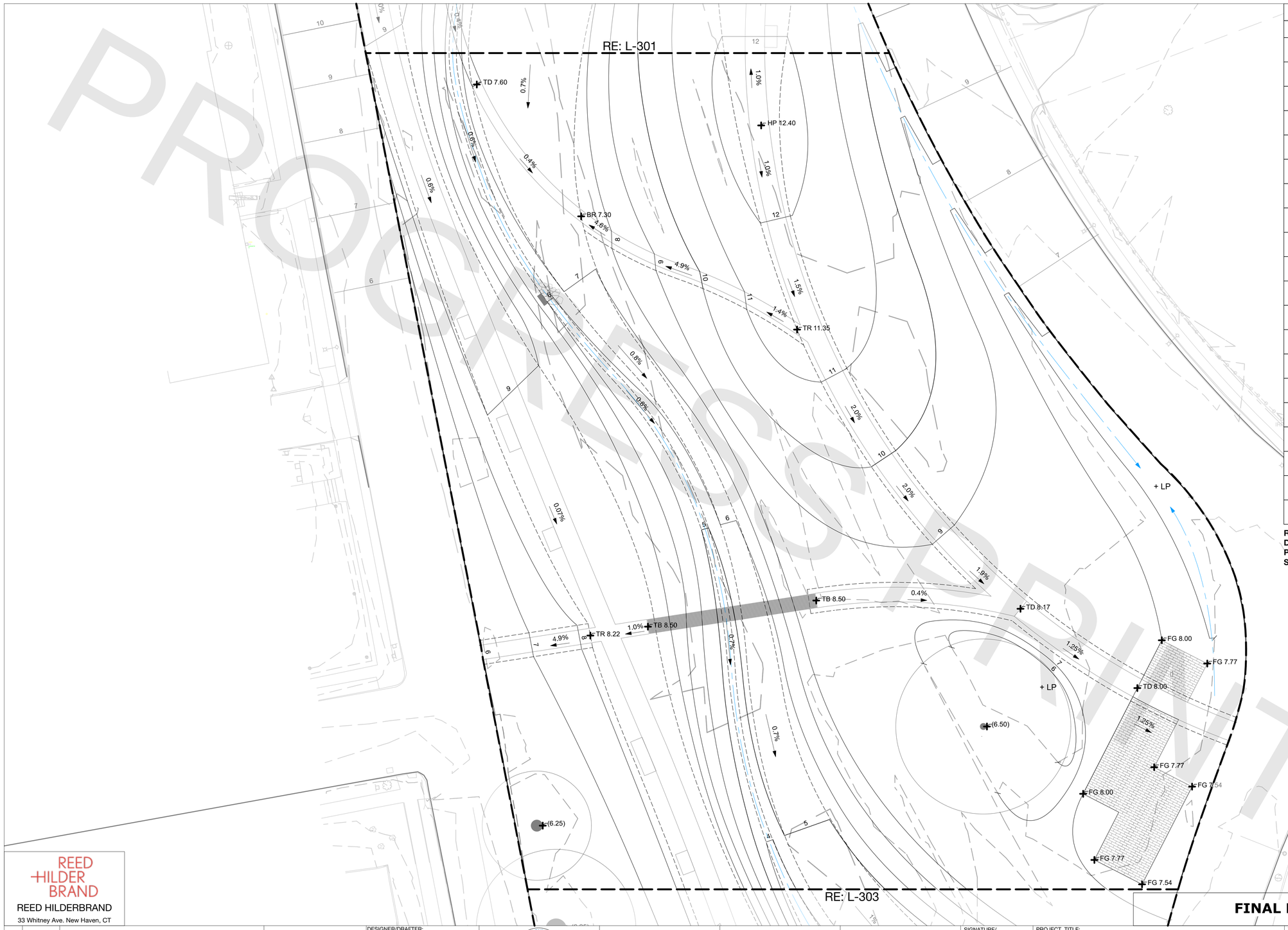
TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE FINE GRADING PLAN

PROJECT NO. 15-383

DRAWING NO. L-301

SHEET NO. **14.28**



PROCESS PRINTS

GRADING LEGEND

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XX.XX	PROPOSED MAJOR CONTOUR
XX.XX	PROPOSED MINOR CONTOUR
XX.XX	EXISTING CONTOUR
X.XX%	SLOPE
(XXX.XX) +	EXISTING SPOT GRADE
XX.XX FG +	FINISHED GRADE
XX.XX HP +	HIGH POINT
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XX.XX TW +	TOP OF WALL
XX.XX TD +	TOP OF DECKING
XX.XXTB +	TOP OF BRIDGE
- - - - - - - - - -	GRADE BREAK
——— ►	SWALE CENTER LINE

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FINAL DESIGN REVIEW

REED HILDERBRAND
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33 Whitney Ave. New Haven, CT

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WAGGONNER & BALL
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2200 Prytania St. New Orleans, LA

ARCADIS
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75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE FINE GRADING PLAN

PROJECT NO. 15-383

DRAWING NO. L-302

SHEET NO. **14.29**

GRADING LEGEND

SYMBOL	DESCRIPTION
XX.XX	PROPOSED MAJOR CONTOUR
XX.XX	PROPOSED MINOR CONTOUR
XX.XX	EXISTING CONTOUR
X.XX%	SLOPE
(XXX.XX) +	EXISTING SPOT GRADE
XX.XX FG +	FINISHED GRADE
XX.XX HP +	HIGH POINT
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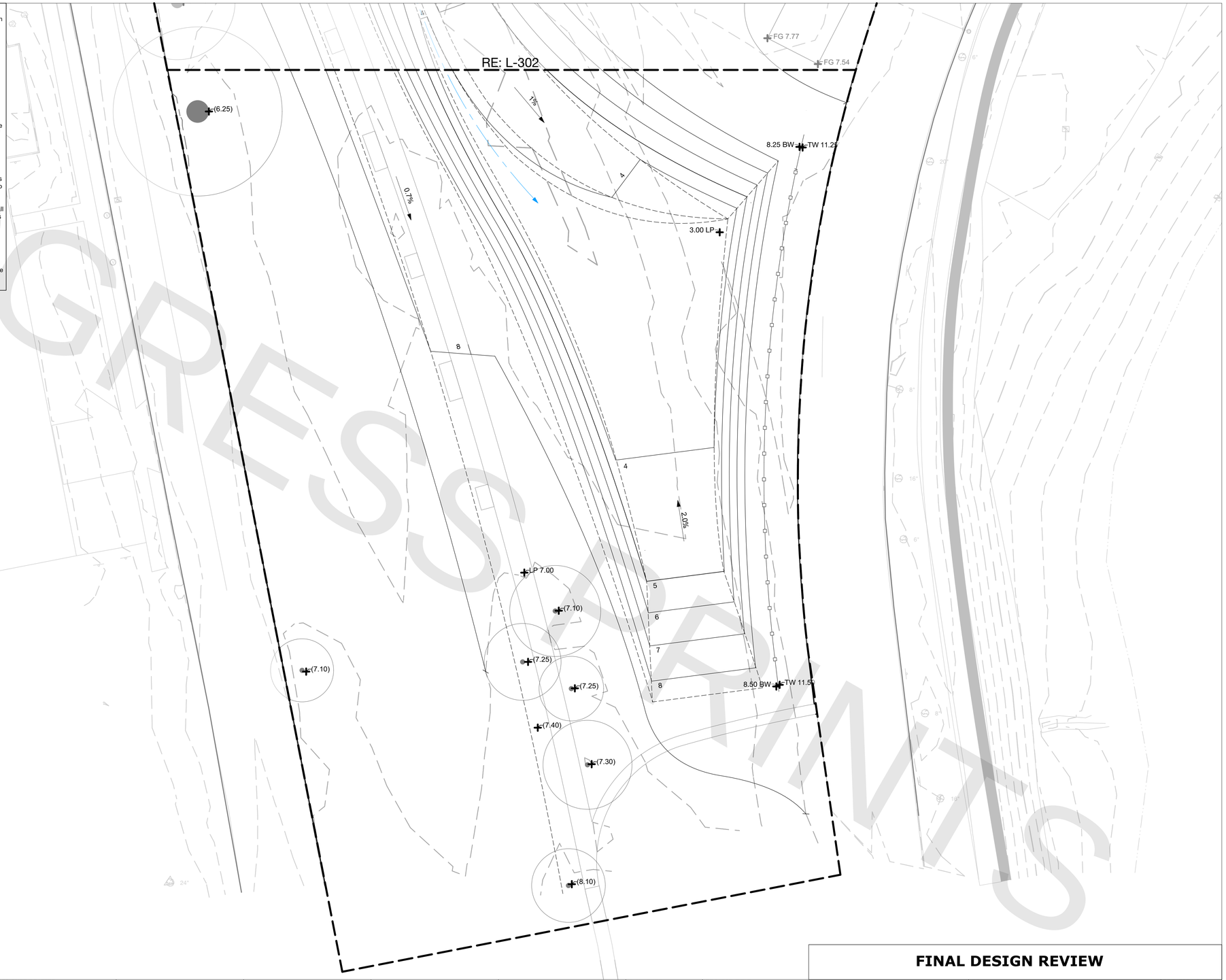

PROGRESS PRINTS

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE FINE GRADING PLAN

PROJECT NO. 15-383

DRAWING NO. L-303

SHEET NO. **14.30**

SOILS LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
	SL-01	LAWN SOIL PROFILE	2/L-701	0944000A
	SL-02	PLANTING BED SOIL PROFILE	3/L-701	0944000A
	SL-03	PLANTING BED SOIL PROFILE AT SLOPE	4/L-701	0944000A

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RE: ARCH

RE: L-312

N/F
H & B CT, LLC
110 MAIN STREET
VOL. 8587 PG. 344

PROGRESS PRINTS

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33 Whitney Ave. New Haven, CT

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2200 Prytania St. New Orleans, LA

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75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE SOILS PLAN

PROJECT NO. 15-383

DRAWING NO. L-311

SHEET NO. **14.31**

FINAL DESIGN REVIEW

SOILS LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
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	SL-02	PLANTING BED SOIL PROFILE	3/L-701	0944000A
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TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE SOILS PLAN

PROJECT NO. 15-383

DRAWING NO. L-312

SHEET NO. **14.32**

SOILS LEGEND

SYMBOL	KEYNOTE	DESCRIPTION	DETAIL	SPEC SECTION
	SL-01	LAWN SOIL PROFILE	2/L-701	0944000A
	SL-02	PLANTING BED SOIL PROFILE	3/L-701	0944000A
	SL-03	PLANTING BED SOIL PROFILE AT SLOPE	4/L-701	0944000A

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TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE SOILS PLAN

PROJECT NO. 15-383

DRAWING NO. L-313

SHEET NO. **14.33**

PROGRESS PRINTS

PLANTING LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SPACING	SIZE	DETAIL	SPEC
LAWN — 60,210 SF							
PL-01	*N/A*	N/A			SEED	4/L-701	0950019A
Buffer — 25,420 SF							
PL-02	*Rhus aromatica 'lo Gro'*	Lo Gro Sumac	3,210	3'0"	18"-24" HT.	5/L-701	949410
Riparian — 28,850 SF							
PL-03	Ilex verticillata 'Red Sprite'	Winter Berry	660	4'0"	7 Gallon	6/L-701	0949XXXA
	Prunus maritima 'Nana'	Dwarf Beach Plum	660	4'0"	7 Gallon	6/L-701	
	Vaccinium angustifolium	Lowbush Blueberry	1,170	3'0"	5 Gallon	6/L-701	0949XXXA
Mesic — 37,540 SF							
PL-04	*Salix purpurea 'Nana'*	Dwarf Arctic Willow	850	4'0"	5 Gallon	6/L-701	0949XXXA
	Gaylussacia baccata	Black Huckleberry	1,540	3'0"	5 Gallon	6/L-701	0949XXXA
	Myrica pensylvanica	Northern Bayberry	1,540	4'0"	7 Gallon	6/L-701	0949XXXA

TREE LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SIZE	DETAIL	SPEC
Canopy						
NY	Nyssa sylvatica	Black Tupelo	36	4" Calp. B&B	7+8/L-701	0949XXXA
QU	*Quercus coccinea*	Scarlet Oak	10	4" Calp. B&B	7+8/L-701	0949XXXA
	Quercus alba	White Oak	10	6" Calp. B&B	7+8/L-701	0949XXXA
	Quercus phellos	Willow Oak	12	6" Calp. B&B	7+8/L-701	0949XXXA
	Quercus bicolor	Swamp White Oak	20	8" Calp. B&B	7+8/L-701	0949XXXA
	Quercus palustris	Pin Oak	10	4" Calp. B&B	7+8/L-701	949878
PA	*Plantanus X Acerfolia*	London Plane Tree	28	4" Calp. B&B	7+8/L-701	0949XXXA
TC	*Tilia cordata*	Littleleaf Linden	6	6" Calp. B&B	7+8/L-701	0949XXXA
JC	*Juniperus chinensis*	Hollywood Juniper	44	8'- 10' Ht. B&B	7+8/L-701	0949XXXA
JV	*Juniperus virginiana*	Eastern Red Cedar	10	8'- 10' Ht. B&B	7+8/L-701	949603

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:

CHECKED BY:

SCALE IN FEET
0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

FINAL DESIGN REVIEW

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: PLANTING SCHEDULE

PROJECT NO. 15-383

DRAWING NO. L-400

SHEET NO. **14.34**

PROGRESS PRINTS

PLANTING LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
LAWN		
PL-01	*N/A*	N/A
Buffer		
PL-02	*Rhus aromatica 'lo Gro'*	Lo Gro Sumac
Riparian		
PL-03	Ilex verticillata 'Red Sprite'	Winter Berry
	Prunus maritima 'Nana'	Dwarf Beach Plum
	Vaccinium angustifolium	Lowbush Blueberry
Mesic		
PL-04	*Salix purpurea 'Nana'*	Dwarf Arctic Willow
	Gaylussacia baccata	Black Huckleberry
	Myrica pensylvanica	Northern Bayberry

4. All plants shall be balled and burlap unless otherwise noted on the plant list.
5. All plants shall be approved by Landscape Architect prior to their installation at the site.
6. Contractor shall stake all plant locations in the field. Obtain approval of Landscape Architect before starting plant installations.
7. Plants to be transplanted shall be flagged and exact planting locations staked in the field.
8. All areas disturbed by construction activities are to be fine graded and seeded.

LIGHTING NOTES

1. General contractor to provide and install all sleeving and conduits for all electrical work. Electrical contractor shall provide all wiring, switches, fixtures and transformers for installation of all exterior lighting and electrical work. An As-Built plan shall be produced by the contractor after final installation.
2. Lighting design shall be installed by a certified licensed electrician. Installation

RE: ARCH

RE: L-202

N/F
H & B CT, LLC
110 MAIN STREET
VOL. 8587 PG. 344

IPF

FINAL DESIGN REVIEW

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE GROUNDCOVER PLAN

PROJECT NO. 15-383

DRAWING NO. L-401

SHEET NO. **14.35**

PLANTING LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
LAWN		
PL-01	*N/A*	N/A
Buffer		
PL-02	*Rhus aromatica 'lo Gro'*	Lo Gro Sumac
Riparian		
PL-03	Ilex verticillata 'Red Sprite'	Winter Berry
	Prunus maritima 'Nana'	Dwarf Beach Plum
	Vaccinium angustifolium	Lowbush Blueberry
Mesic		
PL-04	*Salix purpurea 'Nana'*	Dwarf Arctic Willow
	Gaylussacia baccata	Black Huckleberry
	Myrica pensylvanica	Northern Bayberry

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PROOF

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

FINAL DESIGN REVIEW

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: LANDSCAPE GROUNDCOVER PLAN
PROJECT NO. 15-383
DRAWING NO. L-402
SHEET NO. **14.36**

PLANTING LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
LAWN		
PL-01	*N/A*	N/A
Buffer		
PL-02	*Rhus aromatica 'lo Gro'*	Lo Gro Sumac
Riparian		
PL-03	Ilex verticillata 'Red Sprite'	Winter Berry
	Prunus maritima 'Nana'	Dwarf Beach Plum
	Vaccinium angustifolium	Lowbush Blueberry
Mesic		
PL-04	*Salix purpurea 'Nana'*	Dwarf Arctic Willow
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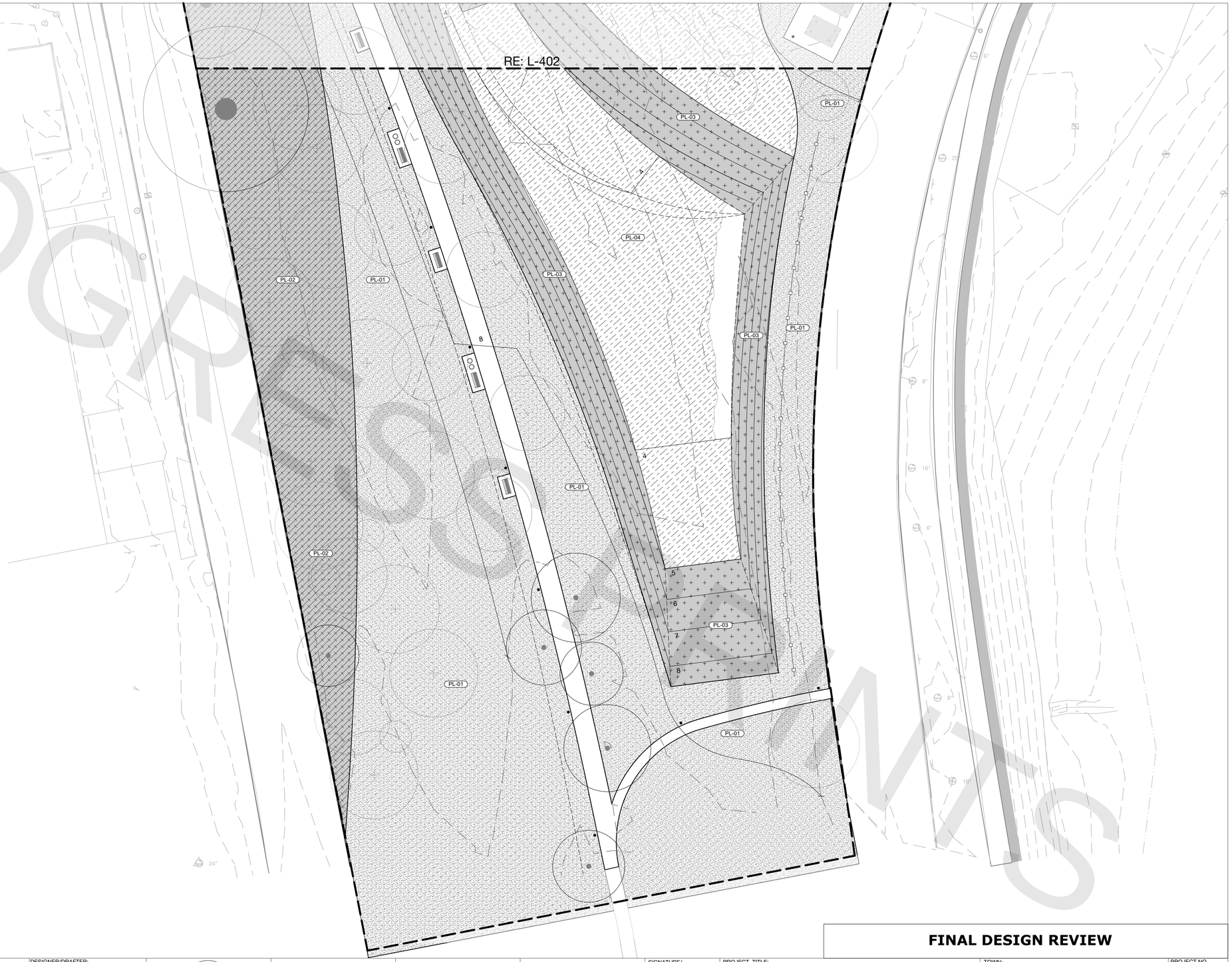

PROGRESS PRINTS

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

FINAL DESIGN REVIEW

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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

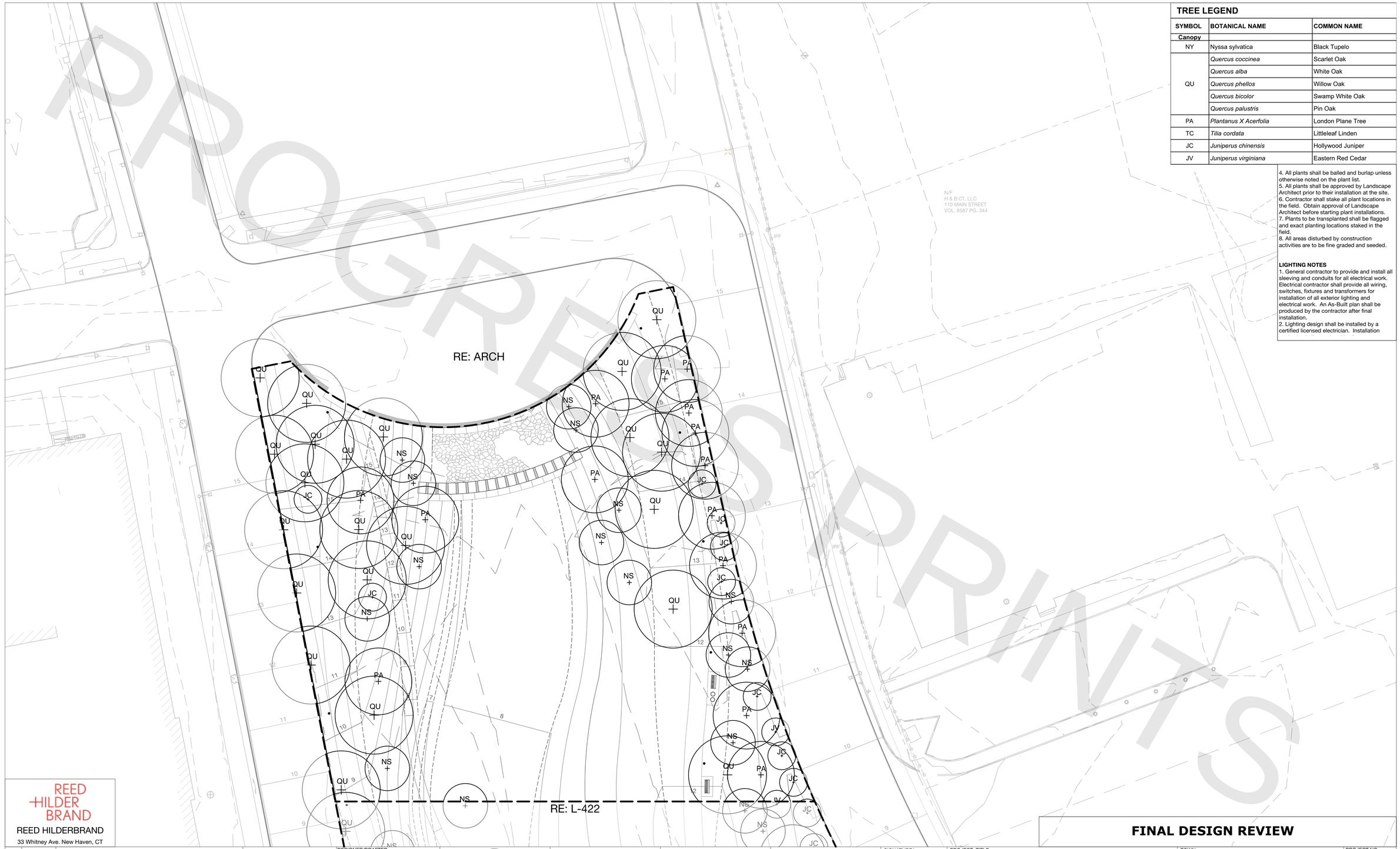
TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE GROUNDCOVER PLAN

PROJECT NO. 15-383

DRAWING NO. L-403

SHEET NO. **14.37**



TREE LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
Canopy		
NY	Nyssa sylvatica	Black Tupelo
QU	*Quercus coccinea*	Scarlet Oak
	Quercus alba	White Oak
	Quercus phellos	Willow Oak
	Quercus bicolor	Swamp White Oak
	Quercus palustris	Pin Oak
PA	*Plantanus X Acerfolia*	London Plane Tree
TC	*Tilia cordata*	Littleleaf Linden
JC	*Juniperus chinensis*	Hollywood Juniper
JV	*Juniperus virginiana*	Eastern Red Cedar

4. All plants shall be balled and burlap unless otherwise noted on the plant list.
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PROGRESS PRINTS

FINAL DESIGN REVIEW

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE TREE PLAN

PROJECT NO. 15-383

DRAWING NO. L-421

SHEET NO. **14.38**

TREE LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
Canopy		
NY	Nyssa sylvatica	Black Tupelo
QU	*Quercus coccinea*	Scarlet Oak
	Quercus alba	White Oak
	Quercus phellos	Willow Oak
	Quercus bicolor	Swamp White Oak
	Quercus palustris	Pin Oak
PA	*Plantanus X Acerfolia*	London Plane Tree
TC	*Tilia cordata*	Littleleaf Linden
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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

FINAL DESIGN REVIEW

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LANDSCAPE TREE PLAN

PROJECT NO. 15-383

DRAWING NO. L-422

SHEET NO. **14.39**

TREE LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME
Canopy		
NY	Nyssa sylvatica	Black Tupelo
QU	*Quercus coccinea*	Scarlet Oak
	Quercus alba	White Oak
	Quercus phellos	Willow Oak
	Quercus bicolor	Swamp White Oak
	Quercus palustris	Pin Oak
PA	*Plantanus X Acerfolia*	London Plane Tree
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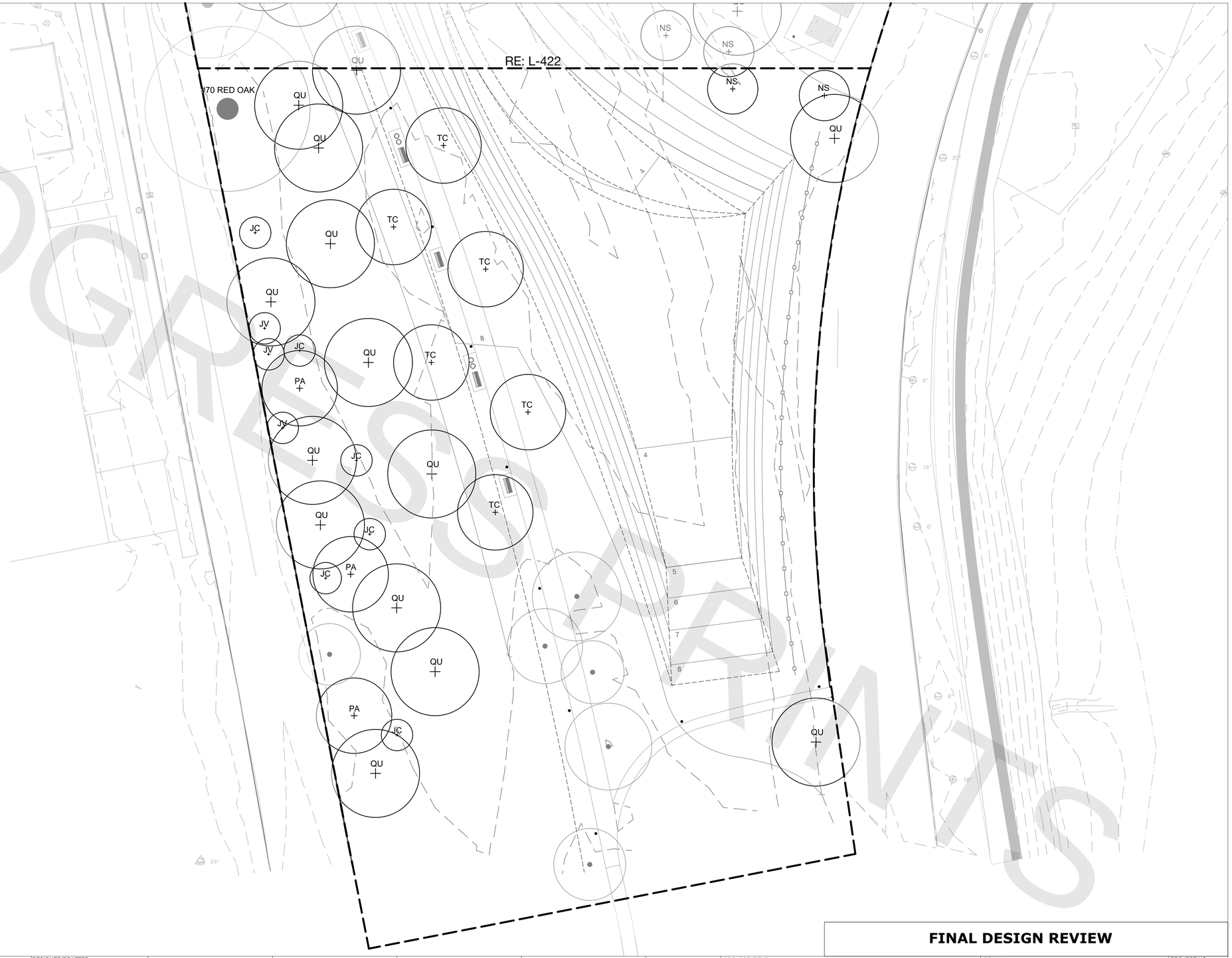

PROGRESS PRINTS

FINAL DESIGN REVIEW

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

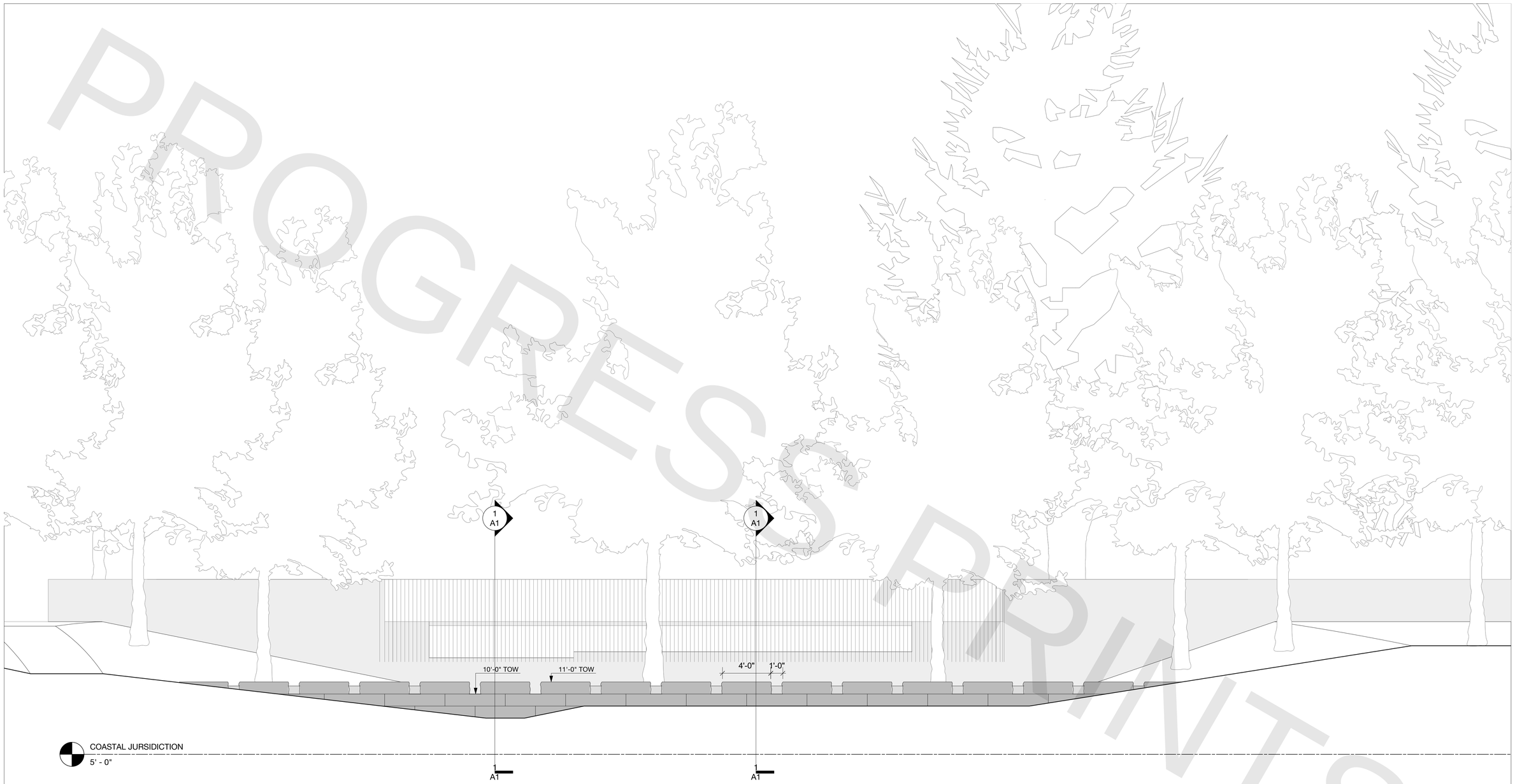
DRAWING TITLE: LANDSCAPE TREE PLAN

PROJECT NO. 15-383

DRAWING NO. L-423

SHEET NO. **14.40**

PROGRESS PRINTS



1 STILLING BASIN WIER ELEVATION
SCALE: 1/4" = 1'-0"

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

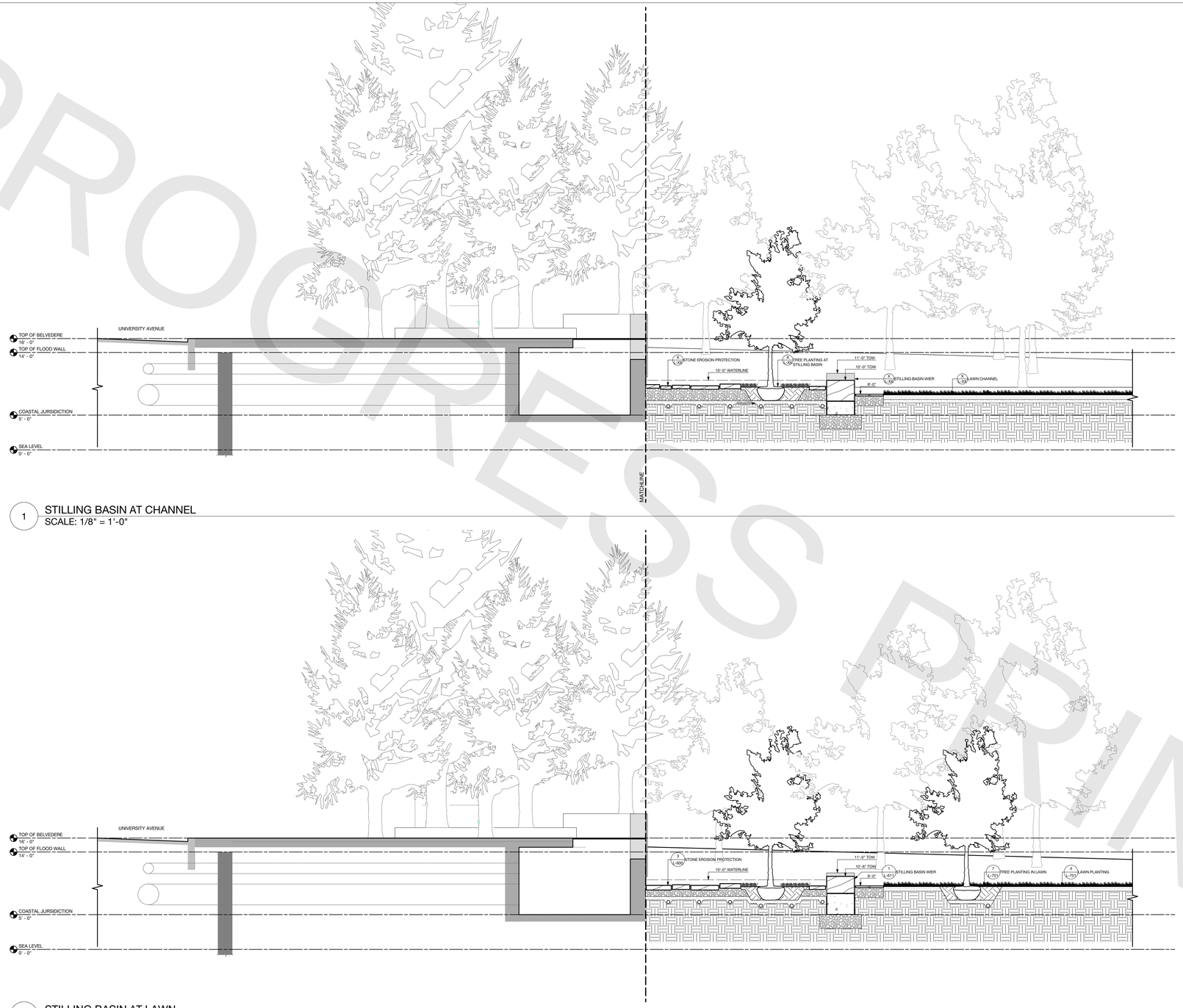
TOWN: BRIDGEPORT

DRAWING TITLE: STILLING BASIN SECTIONS

PROJECT NO. 15-383

DRAWING NO. L-501

SHEET NO. **14.41**



1 STILLING BASIN AT CHANNEL
SCALE: 1/8" = 1'-0"

2 STILLING BASIN AT LAWN
SCALE: 1/8" = 1'-0"

PROGRESS PRINTS

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

FINAL DESIGN REVIEW

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

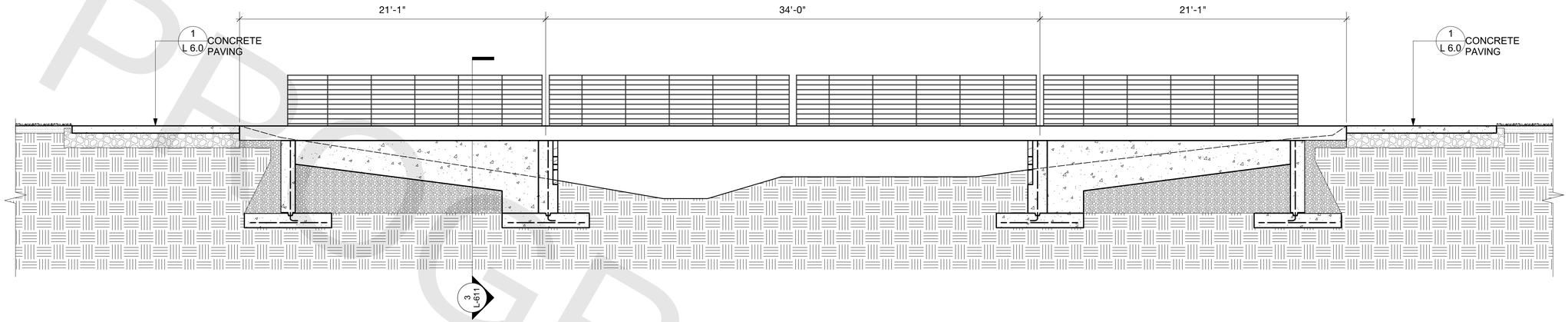
TOWN: BRIDGEPORT

DRAWING TITLE: STILLING BASIN SECTIONS

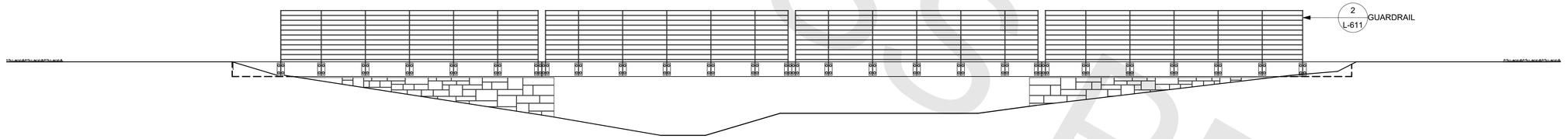
PROJECT NO. 15-383

DRAWING NO. L-502

SHEET NO. **14.42**



1 PREFABRICATED PEDESTRIAN CROSSING LONGITUDINAL SECTION
SCALE: 1/4" = 1'-0"



2 PREFABRICATED PEDESTRIAN CROSSING ELEVATION
SCALE: 1/4" = 1'-0"

PROGRESS PRINTS

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

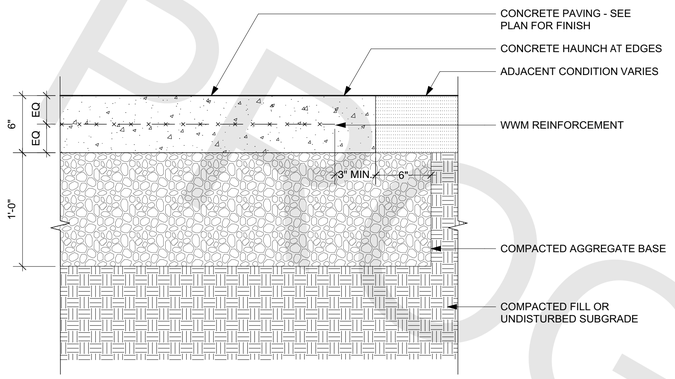
TOWN: BRIDGEPORT

DRAWING TITLE:
PEDESTRIAN CROSSING ELEVATIONS AND SECTIONS

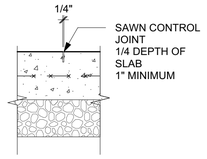
PROJECT NO. 15-383

DRAWING NO. L-503

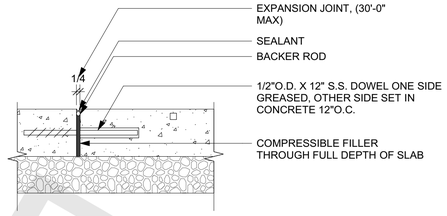
SHEET NO. **14.43**



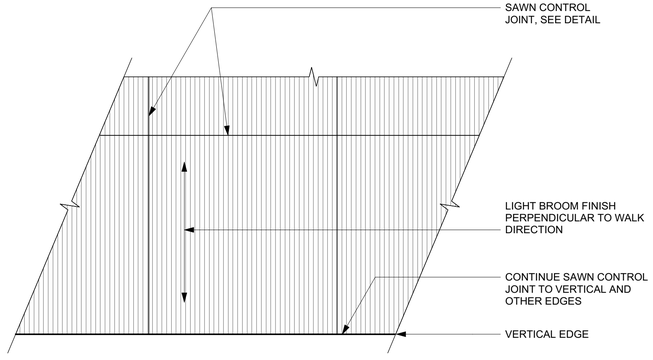
SECTION



CONTROL JOINT

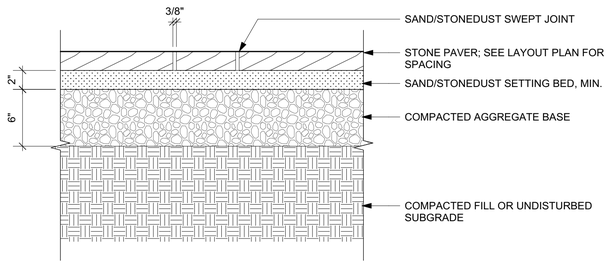


EXPANSION JOINT

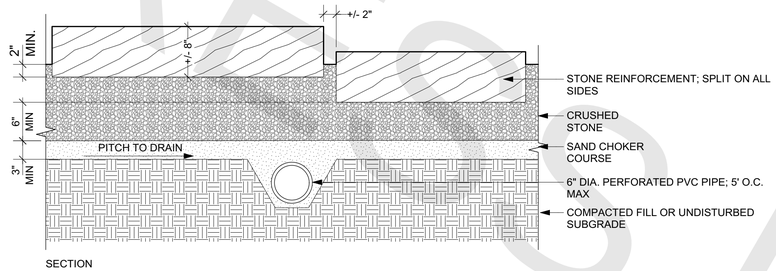


PLAN - CONCRETE PAVING BROOM FINISH

1 C.I.P. CONCRETE PAVING
SCALE: 1-1/2"=1'-0"



SECTION



SECTION

2 UNIT PAVERS
SCALE: 1-1/2"=1'-0"

3 STONE EROSION PROTECTION
SCALE: 1"=1'-0"

PROGRESS PRINTS

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

FINAL DESIGN REVIEW

PROJECT TITLE:

FLOOD RISK REDUCTION PROGRAM

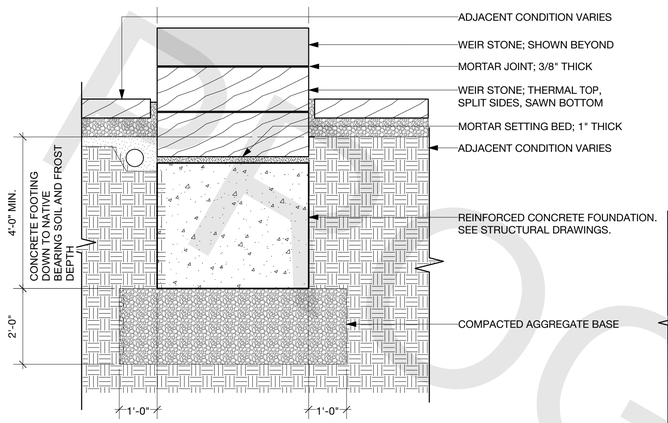
TOWN: BRIDGEPORT

DRAWING TITLE: PAVING DETAILS

PROJECT NO. 15-383

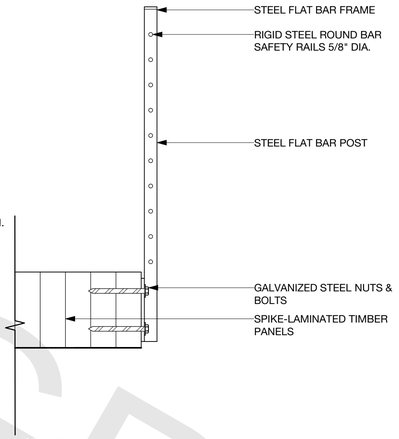
DRAWING NO. L-601

SHEET NO. **14.44**



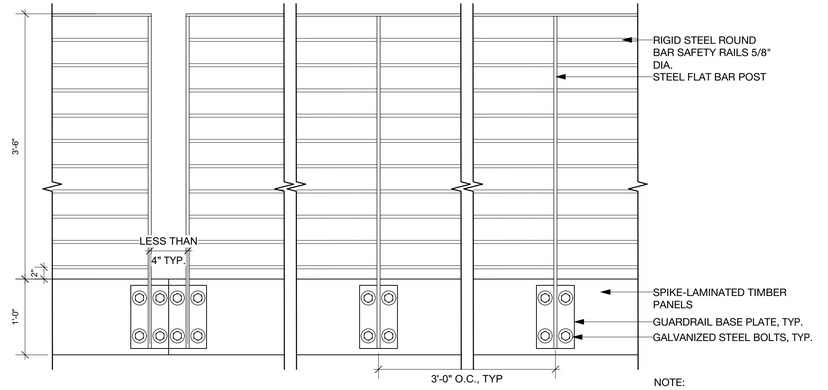
SECTION

1 STILLING BASIN WEIR
SCALE: 1/2"=1'0"



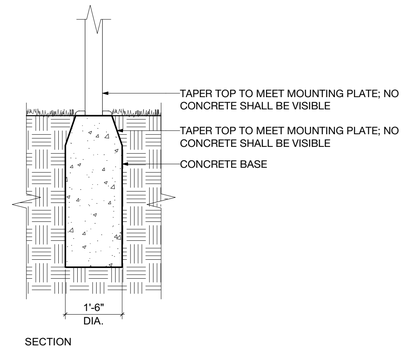
SECTION

2 PREFABRICATED PEDESTRIAN CROSSING GUARDRAIL
SCALE: 1"=1'0"



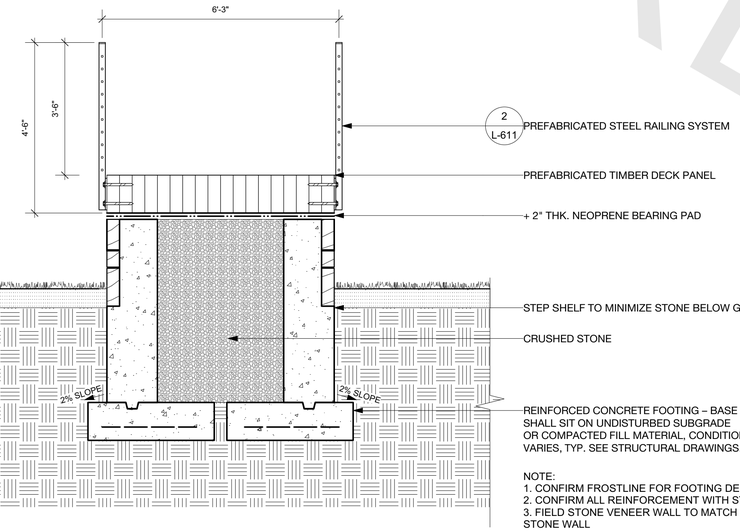
NOTE:
ALL STEEL, INCLUDING RAILINGS AND HARDWARE, TO BE HOT DIPPED GALVANIZED

ELEVATION



SECTION

3 LIGHT POLE - PEDESTRIAN
SCALE: 1/2"=1'0"

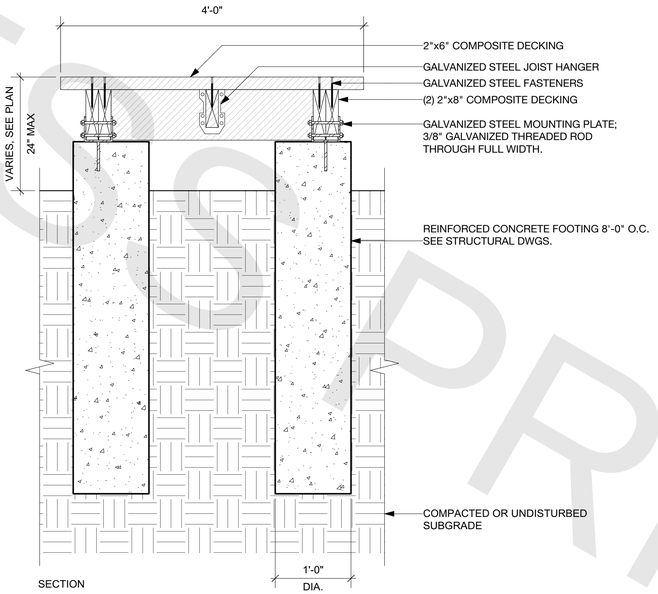


NOTE:
1. CONFIRM FROSTLINE FOR FOOTING DEPTH
2. CONFIRM ALL REINFORCEMENT WITH STRUCTURAL
3. FIELD STONE VENEER WALL TO MATCH BELVEDERE FIELD STONE WALL

ALL STEEL, INCLUDING RAILINGS AND HARDWARE, TO BE HOT DIPPED GALVANIZED

SECTION

4 PREFABRICATED PEDESTRIAN CROSSING AT EMBANKMENT
SCALE: 1/2"=1'0"



SECTION

5 BOARDWALK
SCALE: 1"=1'0"

PROGRESS PRINTS

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:

CHECKED BY:

SCALE: AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

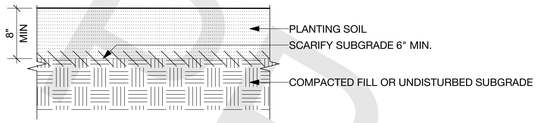
TOWN: BRIDGEPORT

DRAWING TITLE: SITE DETAILS

PROJECT NO. 15-383

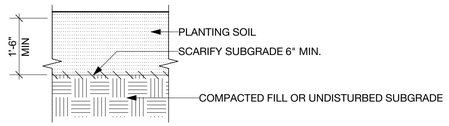
DRAWING NO. L- 611

SHEET NO. **14.45**



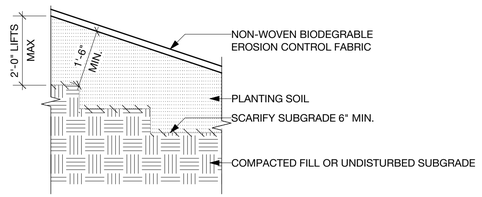
SECTION

1 LAWN SOIL PROFILE
SCALE: 1" = 1'-0"



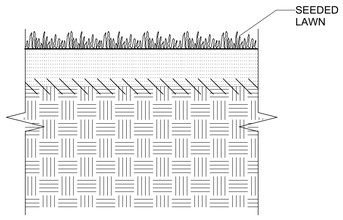
SECTION

2 PLANTING BED SOIL PROFILE
SCALE: 1/2" = 1'-0"



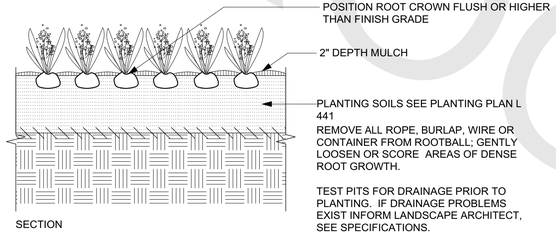
SECTION

3 PLANTING BED SOIL PROFILE AT SLOPE
SCALE: 1/2" = 1'-0"



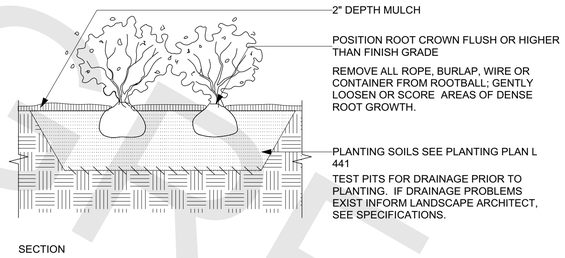
SECTION

4 LAWN PLANTING
SCALE: 1" = 1'-0"



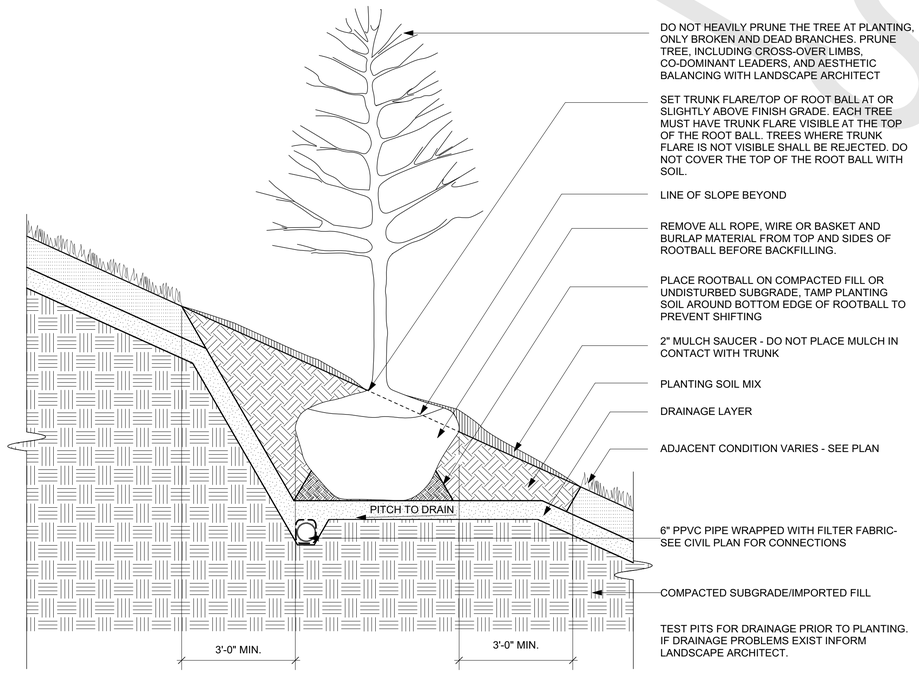
SECTION

5 GROUNDCOVER PLANTING
SCALE: 1/2" = 1'-0"



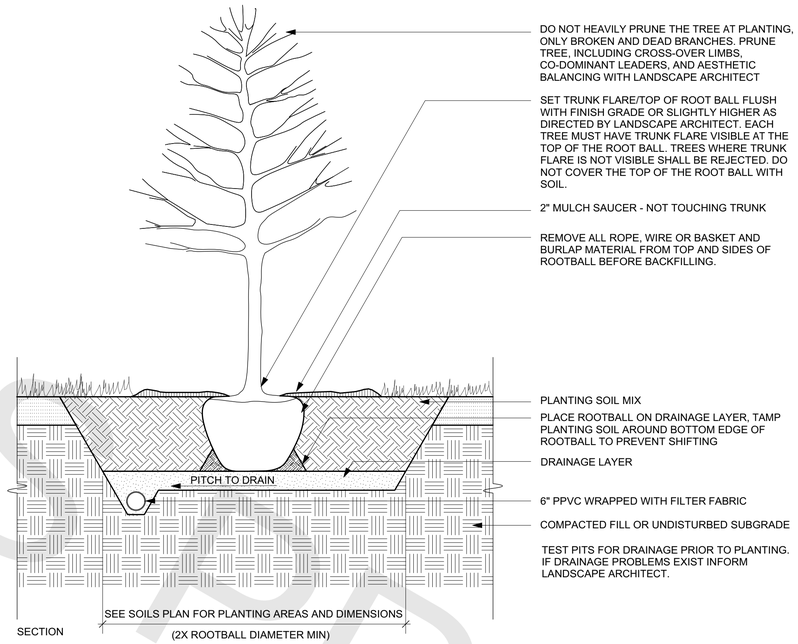
SECTION

6 SHRUB PLANTING
SCALE: 1/2" = 1'-0"



SECTION

8 TREE IN SLOPE
SCALE: 1/2"=1'0"



SECTION

7 TREE IN LAWN
SCALE: 1/2"=1'0"

PROOFPRINTS

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER:
CHECKED BY:
SCALE: AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

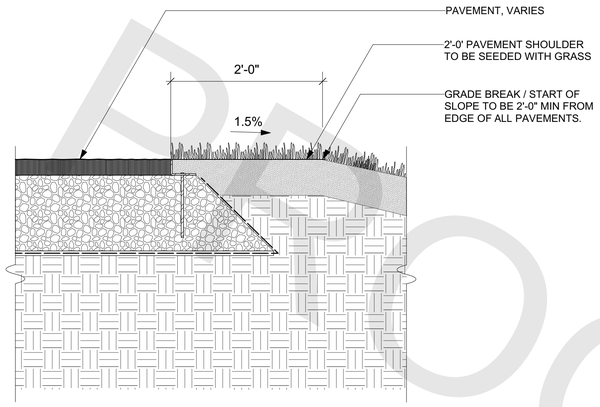
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

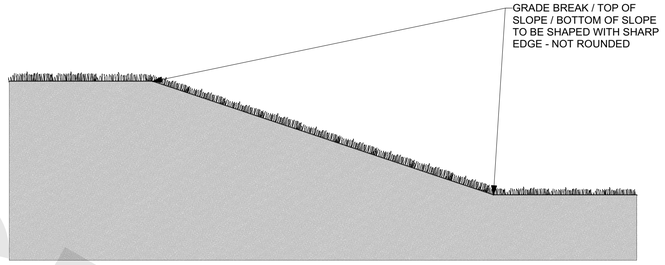
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

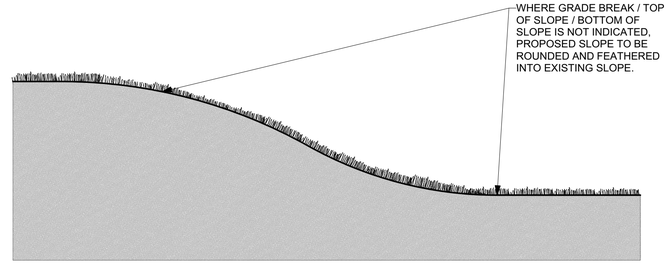
TOWN: BRIDGEPORT
DRAWING TITLE: PLANTING AND SOIL DETAILS
PROJECT NO. 15-383
DRAWING NO. L-701
SHEET NO. **14.46**



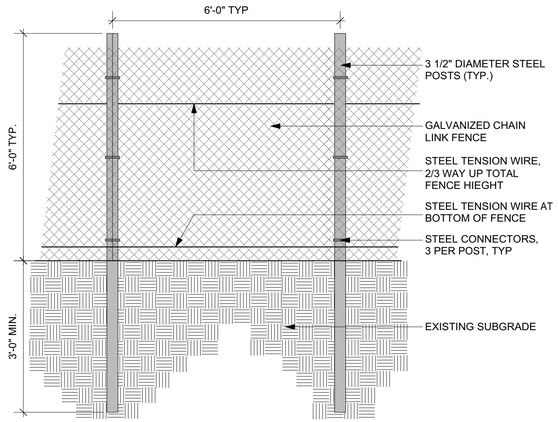
1 GRASS SHOULDER DETAIL
SCALE: 1" = 1'-0"



2 GRADE BREAK DETAIL
SCALE: 3/4" = 1'-0"



3 ROLLING LANDFORM DETAIL
SCALE: 3/4" = 1'-0"



4 TREE PROTECTION DETAIL
SCALE: 1" = 1'-0"

PROGRESS PRINTS

REED HILDERBRAND
33 Whitney Ave. New Haven, CT

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CHECKED BY:

SCALE: AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

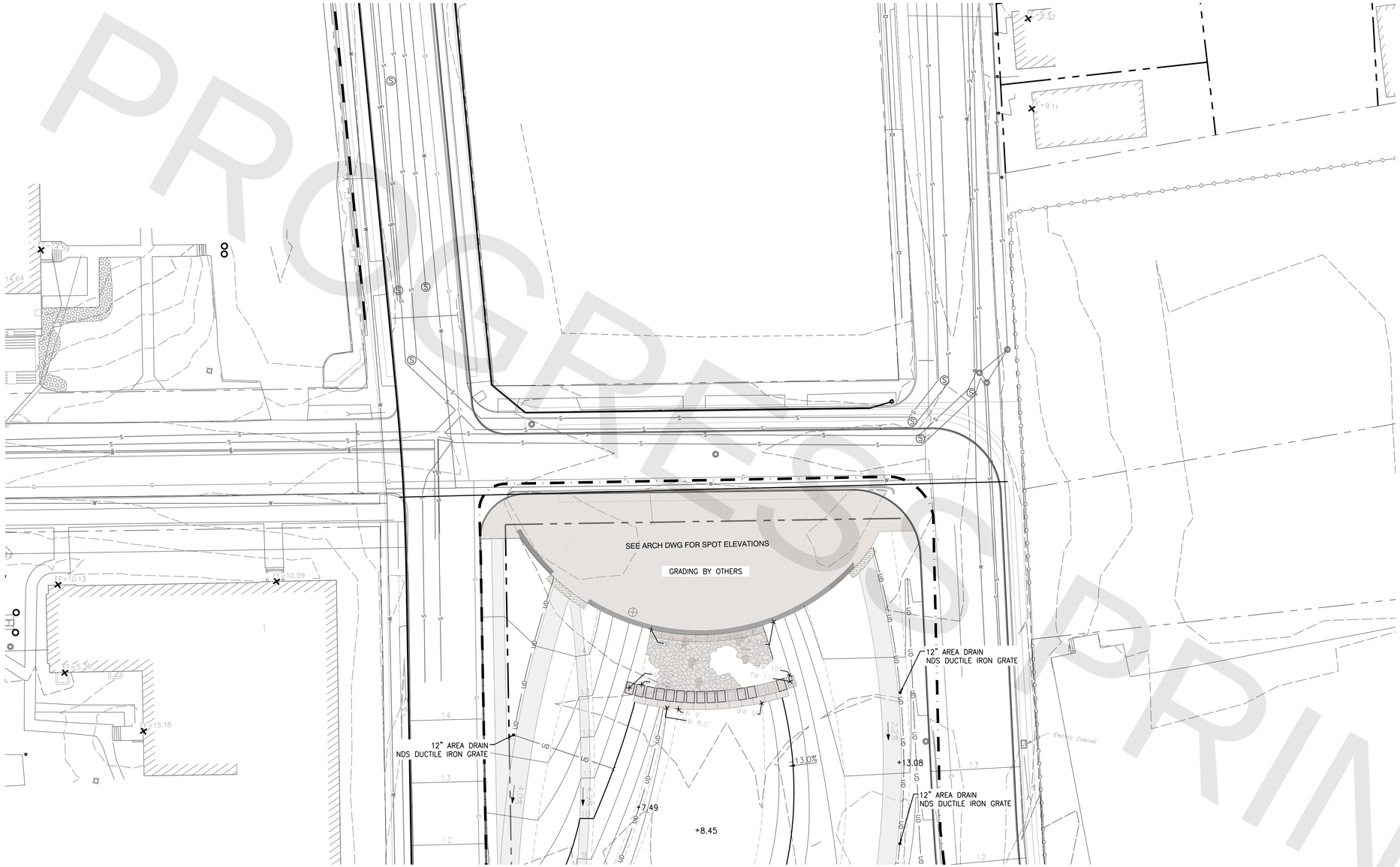
DRAWING TITLE: PLANTING AND SOIL DETAILS

PROJECT NO. 15-383

DRAWING NO. L-702

SHEET NO. **14.47**

PROGRESS PRINTS



LEGEND

LIMITS OF WORK	
GRADE BREAK	
MINOR CONTOUR	
MAJOR CONTOUR	
SURFACE SLOPE	XX.X%
SPOT GRADE	+ XX.XX
STORM DRAIN LINE	SD
UNDERDRAIN, SEE 1/DET-01	UD
AREA DRAIN	
SD OUTFALL	

TOTAL CUT: 1,138.87 CUBIC YARDS
TOTAL FILL: 19,996.38 CUBIC YARDS
NET: 18,857.52 CUBIC YARDS <FILL>

NOTE: GRADING ON THIS SHEET IS LIMITED TO THE AREA INSIDE THE "LIMIT OF WORK" LINE. GRADING OUTSIDE THIS AREA IS BY OTHERS.

SHERWOOD DESIGN ENGINEERS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
0	4/19/21	60% SET

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DESIGNER/DRAFTER:
CHECKED BY:
SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE:
GRADING & DRAINAGE

PROJECT NO. 15-383
DRAWING NO. GDR-02
SHEET NO. **14.48**

FILE NAME = P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\GDR-00.dwg
DATE/TIME = Jan 21, 2022 - 12:10pm

P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\GDR-00.dwg 4/16/2021 12:02:52 PM

TOTAL CUT: 1,138.87 CUBIC YARDS
TOTAL FILL: 19,996.38 CUBIC YARDS
NET: 18,857.52 CUBIC YARDS <FILL>

NOTE: GRADING ON THIS SHEET IS LIMITED TO THE AREA INSIDE THE "LIMIT OF WORK" LINE. GRADING OUTSIDE THIS AREA IS BY OTHERS.

SHERWOOD DESIGN ENGINEERS

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SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE:
GRADING & DRAINAGE

PROJECT NO. 15-383
DRAWING NO. GDR-04
SHEET NO. **14.49**

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DATE/TIME = Jan 21, 2022 - 12:10pm

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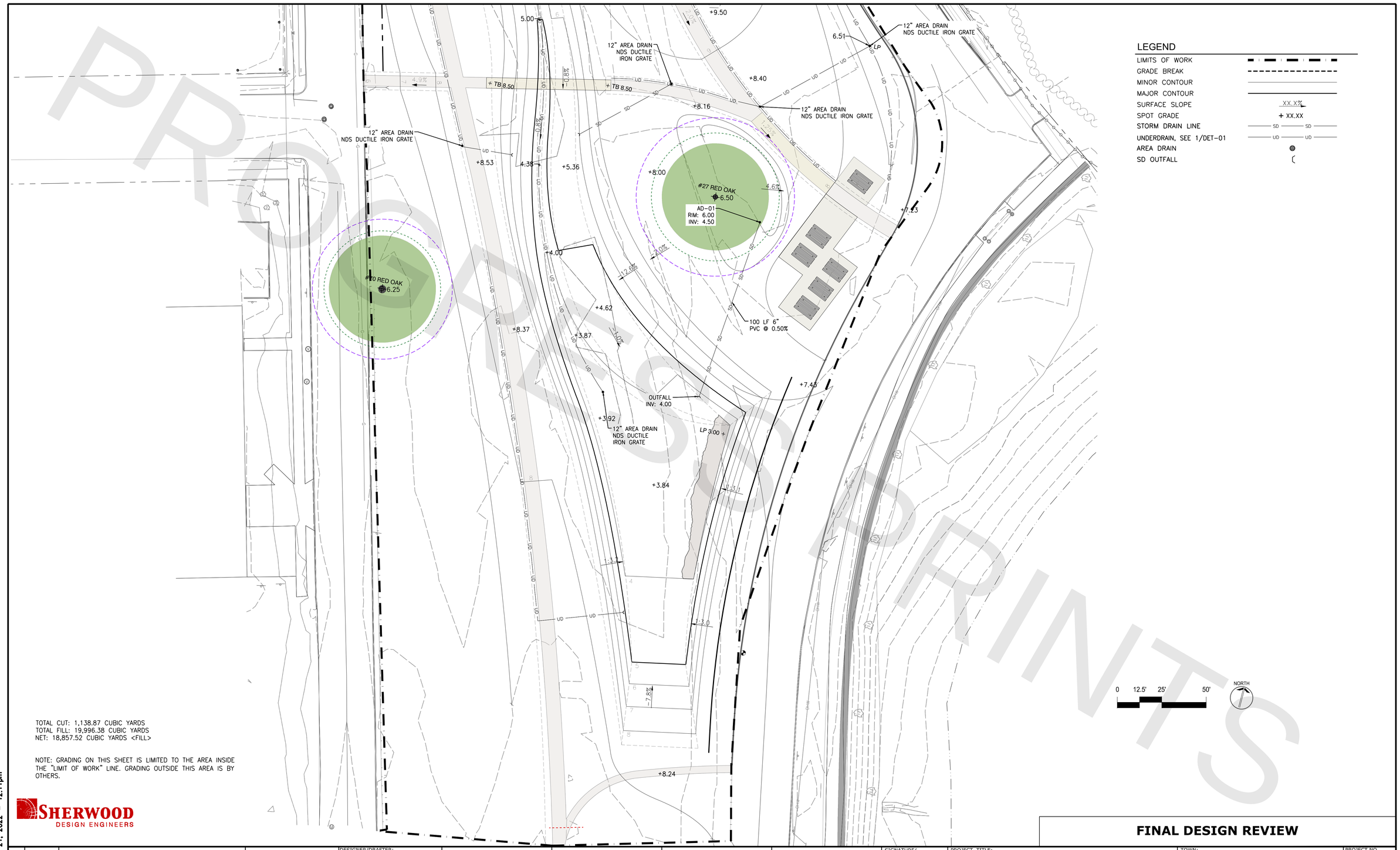
PROGRESS PRINTS



TOTAL CUT: 1,138.87 CUBIC YARDS
TOTAL FILL: 19,996.38 CUBIC YARDS
NET: 18,857.52 CUBIC YARDS <FILL>

NOTE: GRADING ON THIS SHEET IS LIMITED TO THE AREA INSIDE THE "LIMIT OF WORK" LINE. GRADING OUTSIDE THIS AREA IS BY OTHERS.

SHERWOOD DESIGN ENGINEERS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
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DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE:
GRADING & DRAINAGE

PROJECT NO. 15-383

DRAWING NO. GDR-05

SHEET NO. **14.50**

FILE NAME = P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\GDR-00.dwg
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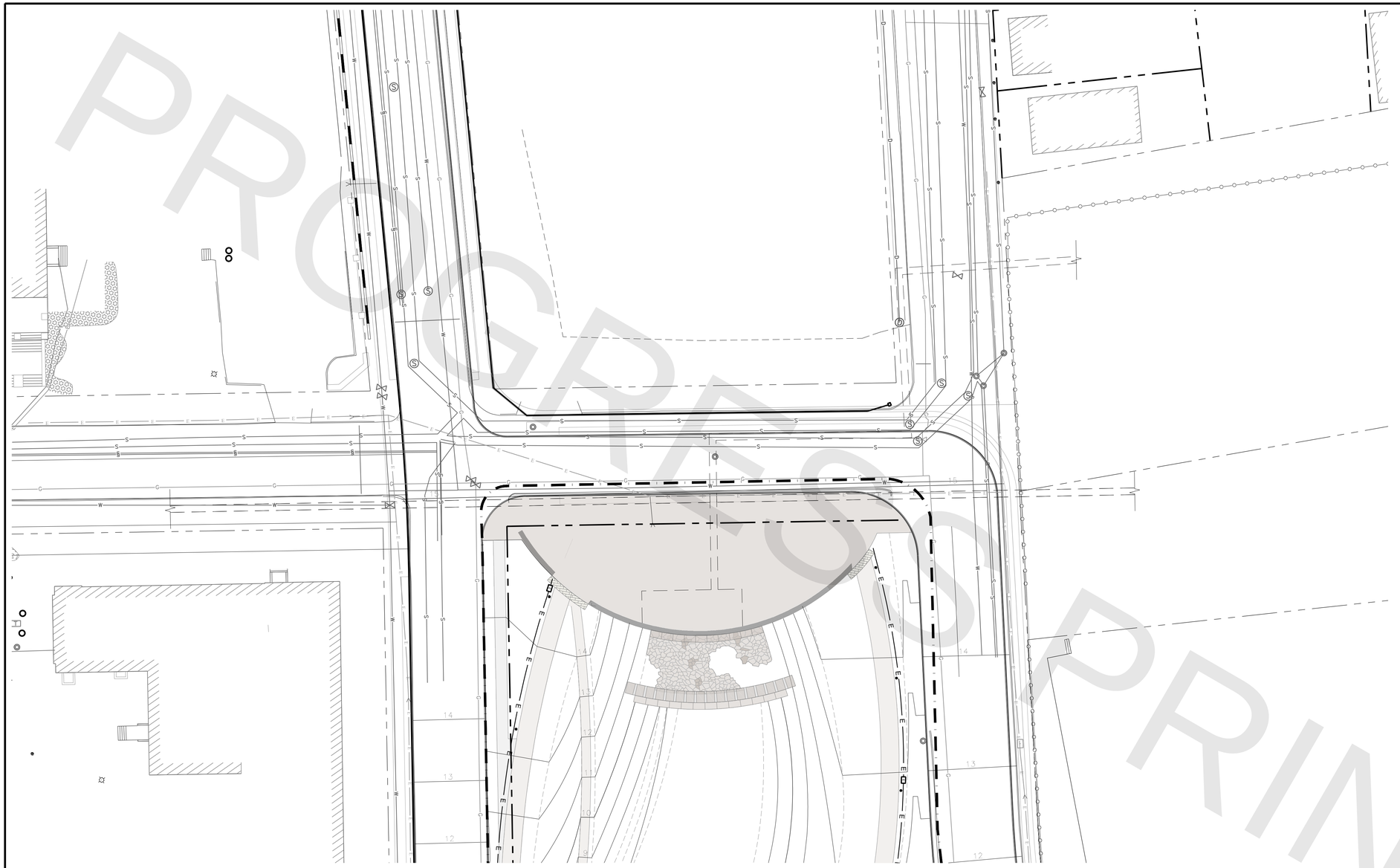
PROOFPRINTS



PROGRESS PRINTS

SHERWOOD DESIGN ENGINEERS

FINAL DESIGN REVIEW

FILE NAME = P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\UTL-00.dwg
DATE/TIME = Jan 21, 2022 - 12:11pm

REV.	DATE	REVISION DESCRIPTION
0	4/19/21	60% SET

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DESIGNER/DRAFTER:

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SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE:
UTILITY PLAN

PROJECT NO. 15-383

DRAWING NO. UTL-02

SHEET NO. **14.51**

P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\UTL-00.dwg 3/2/2021 10:53:14 AM

PROGRESS PRINTS

LEGEND

(E) WATER	W W W
(E) ELECTRIC	E E E
(E) GAS	G
(E) SANITARY SEWER	SS SS SS
(P) ELECTRIC	E E

0 12.5' 25' 50'

NORTH

SHERWOOD DESIGN ENGINEERS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
0	4/19/21	60% SET

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DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:

FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: **UTILITY PLAN**

PROJECT NO. 15-383

DRAWING NO. UTL-04

SHEET NO. **14.52**

FILE NAME = P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\UTL-00.dwg
DATE/TIME = Jan 21, 2022 - 12:12pm

P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\UTL-00.dwg, 3/2/2021 10:53:00 AM

PROGRESS PRINTS

LEGEND

- (E) WATER
- (E) ELECTRIC
- (E) GAS
- (E) SANITARY SEWER
- (P) ELECTRIC

CATCH BASIN
FRAME: 7.89'
BOTTOM: 0.39'
NO VISIBLE PIPES

WATER MANHOLE
FRAME: 8.44'
VALVE: 1.94'

CATCH BASIN
FRAME: 5.62'
HOOD: 3.35'

CATCH BASIN
FRAME: 5.46'
PARKED ON

UI 6682

INVERT
UNK RCP
ELEV: 0.37'

0 12.5' 25' 50'

NORTH

SHERWOOD DESIGN ENGINEERS

FINAL DESIGN REVIEW

FILE NAME = P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\UTL-00.dwg
DATE/TIME = Jan 21, 2022 - 12:12pm

REV.	DATE	REVISION DESCRIPTION
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DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE:
UTILITY PLAN

PROJECT NO. 15-383

DRAWING NO. UTL-05

SHEET NO. **14.53**

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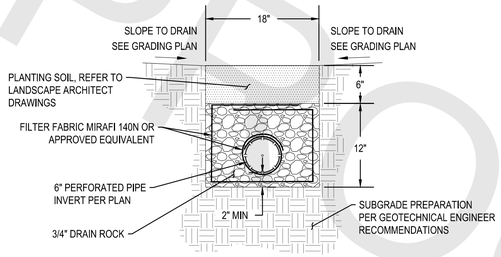

NOTES

1. SEE PLANS FOR DRAINAGE TRENCH LOCATIONS, FINISH SURFACE ELEVATIONS AND UNDERDRAIN INVERT ELEVATIONS.
2. INSTALL PERFORATED PIPE WITH PERFORATIONS FACE DOWN WHEN PERFORATION PATTERN IS NOT CONTINUOUS AROUND PIPE. PERFORATED PIPE TO BE PLACE AT CENTERLINE OF DRAINAGE TRENCH.

1 DRAINAGE TRENCH
SCALE: NTS

XXXXXXXX
X
SCALE: NTS

XXXXXXXX
X
SCALE: NTS

PROGRESS PRINTS

SHERWOOD DESIGN ENGINEERS

FINAL DESIGN REVIEW

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CHECKED BY:
SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: **DETAILS**

PROJECT NO. 15-383

DRAWING NO. DET-01

SHEET NO. **14.54**

FILE NAME = P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\DET-00.dwg
DATE/TIME = Jan 21, 2022 - 12:12pm

P:\2018\18-021_R_Bridgeport\04_Design\06_90% Design\DET-00.dwg 3/2/2021 10:54:43 AM

15 - ILLUMINATION PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
15.01	ILLUMINATION PLANS INDEX OF DRAWINGS		
15.02	ILLUMINATION PLAN		
15.03	ILLUMINATION PLAN		
15.04	HEAD OF PARK ILLUMINATION PLAN		
15.05	RESILIENCE GATEWAY ILLUMINATION PLAN		

PROGRESS PRINTS

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: ILLUMINATION PLANS INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. ILL-00

SHEET NO. **15.01**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_SUB-COV.dwg
DATE/TIME = Jan 24, 2022 - 9:55pm

SYMBOL LEGEND

- CITY DECORATIVE LIGHT POLE WITH SINGLE LUMINAIRE
- IN WALL LIGHT/STEP LIGHTS
- LC — LIGHTING CONTROL CABINET
- 2" P.V.C UNDER ROADWAY ENCASED IN CONCRETE (SCHEDULE 80)

LIGHTING AND ELECTRICAL

1. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO CALL FOR A COMPLETE ELECTRICAL INSTALLATION. IT IS NOT THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO INCLUDE EVERY DETAIL OF ELECTRICAL WORK REQUIRED TO BE PERFORMED BY THE CONTRACTOR TO MAKE A COMPLETE INSTALLATION. ITEMS NOT SHOWN ON THE DRAWINGS OR INCLUDED IN THE SPECIFICATIONS, THAT ARE REQUIRED TO BE PERFORMED BY THE CONTRACTOR TO PERFORM HIS WORK ARE TO BE INCLUDED AS PART OF HIS WORK.
2. THE CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH ALL CONTRACT DWGS. PRIOR TO ELECTRICAL EQUIPMENT AND MATERIAL INSTALLATION. LOCATIONS SHOWN FOR CONNECTIONS TO EQUIPMENT ARE DIAGRAMMATIC. INSTALL FOR EASE OF MAINTENANCE AND TO SUIT EQUIPMENT.
3. THE LOCATION OF EXISTING ILLUMINATION DEPICTED ON THE PLANS IS APPROXIMATE.
4. PROVIDE ALL REQUIRED PULL BOXES AND JUNCTION BOXES AS REQUIRED BY CODE.
5. THE CONTRACTOR SHALL PROVIDE THE STATE AND THE CITY OF BRIDGEPORT WITH A COMPLETE SET OF REPRODUCIBLE, AS BUILT DRAWINGS CLEARLY INDICATING ANY DEVIATIONS FROM THE DESIGN AS SHOWN ON THESE DRAWINGS.
6. ALL CONDUCTORS SHALL BE TYPE XHHW-2.
7. ALL PVC CONDUIT SHALL BE SCHEDULE 80.
8. SUPPORT EACH LUMINAIRE INDEPENDENTLY PER DRAWING DETAILS, CODES, AND COORDINATE LOCATIONS WITH OTHER TRADES TO AVOID CONFLICT.
9. PROVIDE ALL GROUNDING CONDUCTOR(S) INCLUDING GREEN EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
10. BRANCH CIRCUITS SHALL NOT USE A COMMON NEUTRAL.
11. LAMPS SHALL BE PROVIDED WITH EACH LUMINAIRE.
12. ALL EXTERIOR ELECTRICAL EQUIPMENT AND THAT WHICH IS INDICATED ON THE DWGS. SHALL HAVE A SUITABLE FOR USE IN A WET LOCATION ENCLOSURE. ALL SWITCHES AND RECEPTACLES SHALL BE PROVIDED WITH "IN USE" COVERS PER NEC 406.8.
13. SPLICES KITS SHALL MEET REQUIREMENT OF UL486D FOR WATERPROOF SPLICING.
14. ALL LIGHTING FIXTURES SHALL BE APPROVED BY THE CITY OF BRIDGEPORT TO ENSURE CONFORMANCE WITH CITY OF BRIDGEPORT STANDARDS.
15. REFER TO CITY OF NEW HAVEN LIGHTING STANDARD DETAILS SHEET NO. LD-NH-28 AND LD-NH-28A FOR POLE WIRING SCHEMATIC, SHEET NO. LD-NH-29 FOR LIGHTING CONTROL CABINET DETAILS, AND SHEET NO. LD-NH-35 FOR LIGHTING CONTACTOR WIRING DIAGRAM.

NOTES:

1. PROVIDE CONCRETE MANHOLE - TYPE III AT EACH LUMINAIRE LOCATION.

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD
CHECKED BY: BB
SCALE IN FEET 0 40 80
SCALE 1"=40'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

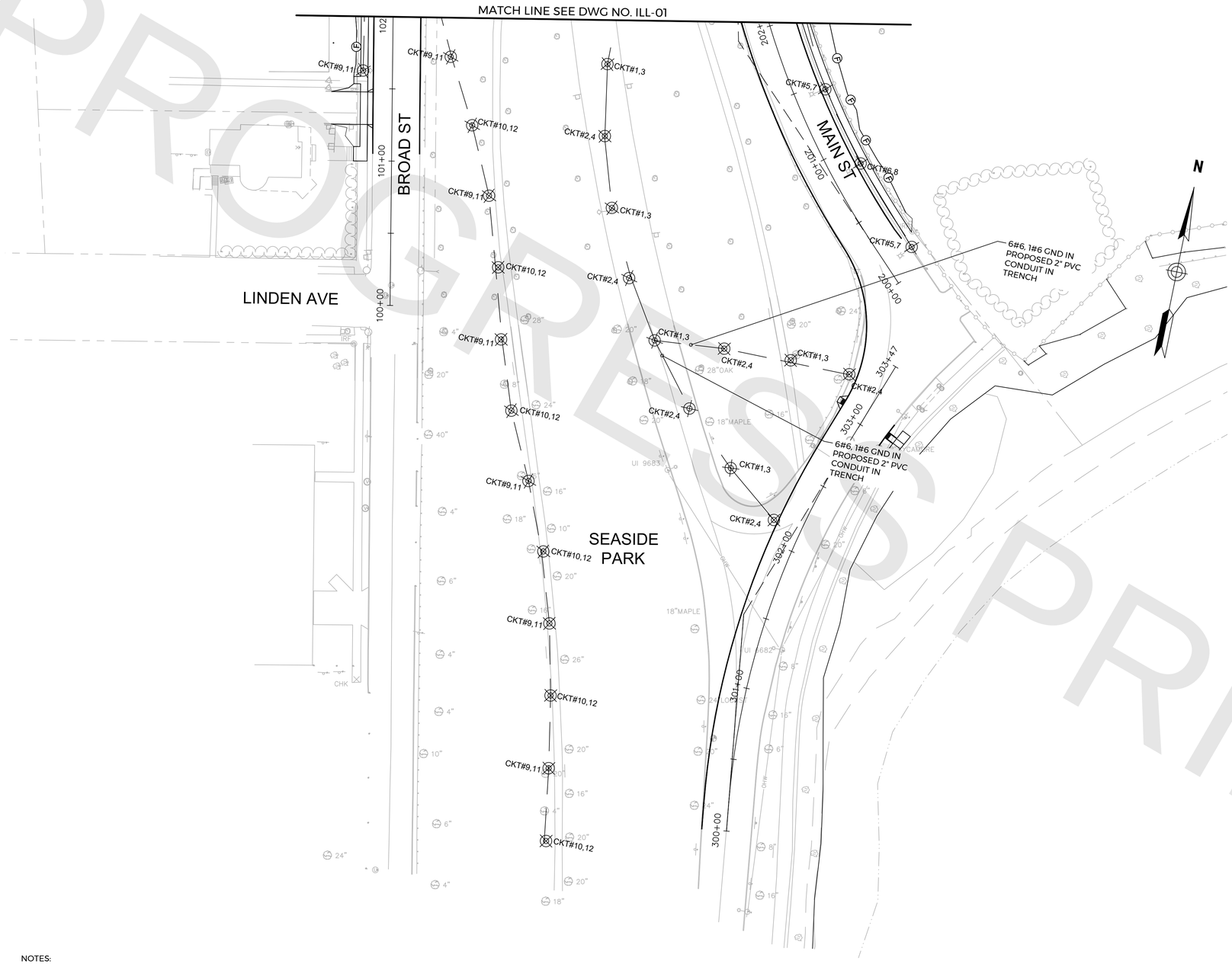
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: ILLUMINATION PLAN

PROJECT NO. 15-384
DRAWING NO. ILL-01
SHEET NO. **15.02**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_LIGHTING.dwg
DATE/TIME = Jan 24, 2022 - 9:42pm

PROGRESS PRINTS



SYMBOL LEGEND

- CITY DECORATIVE LIGHT POLE WITH SINGLE LUMINAIRE
- IN WALL LIGHT/STEP LIGHTS
- LC — LIGHTING CONTROL CABINET
- 2" P.V.C UNDER ROADWAY ENCASED IN CONCRETE (SCHEDULE 80)

NOTES:

1. PROVIDE CONCRETE MANHOLE - TYPE III AT EACH LUMINAIRE LOCATION.

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 40 80
SCALE 1"=40'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: ILLUMINATION PLAN

PROJECT NO. 15-384

DRAWING NO. ILL-02

SHEET NO. **15.03**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_LIGHTING.dwg
DATE/TIME = Jan 24, 2022 - 9:51pm

PROGRESS PRINTING

AREA COVERED BY ROADWAY LIGHTING

1/01.20.102

N22 N25 N23 N35 N51

12'-0" TYP SPACING

PC +50.59

LIGHT FIXTURE LEGEND	
N22	LIGHT STAND TYPE 1, ITEM #1002008B BASIS OF DESIGN SELUX MODULAR EXELIA GEN5 COLUMN LED, SEMI-MATTE BLACK, 12 FEET, EXRL-12-4QD-4QD-XX-30-BL-240-EM
N23	LIGHT STAND TYPE 2, ITEM #1002008A BASIS OF DESIGN SELUX MODULAR EXELIA GEN5 COLUMN LED, SEMI-MATTE BLACK, 12 FEET, EXRL-12-4QD-4QD-XX-30-BL-240-EM WITH TWIN SPOT MODULE, WITH SMART CITY FEATURES, SMART SENSORS, PANIC BUTTON, SPEAKERS, GFCI, WIFI, USB CHARGING, TO BE DETERMINED
N25	IN WALL LIGHT TYPE 4, ITEM #1106139A MARINE GRADE
N35	NEW CISTERN LIGHT TYPE 7, MARINE RATED.
N51	LANDSCAPE UPLIGHT, TO ILLUMINATE LANDMARK

1 BELVEDERE ILLUMINATION PLAN

01.14.201 | 01.15.101

1" = 20'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
1	4/19/2021	60% DESIGN
2	1/21/2022	90% DESIGN PROGRESS

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

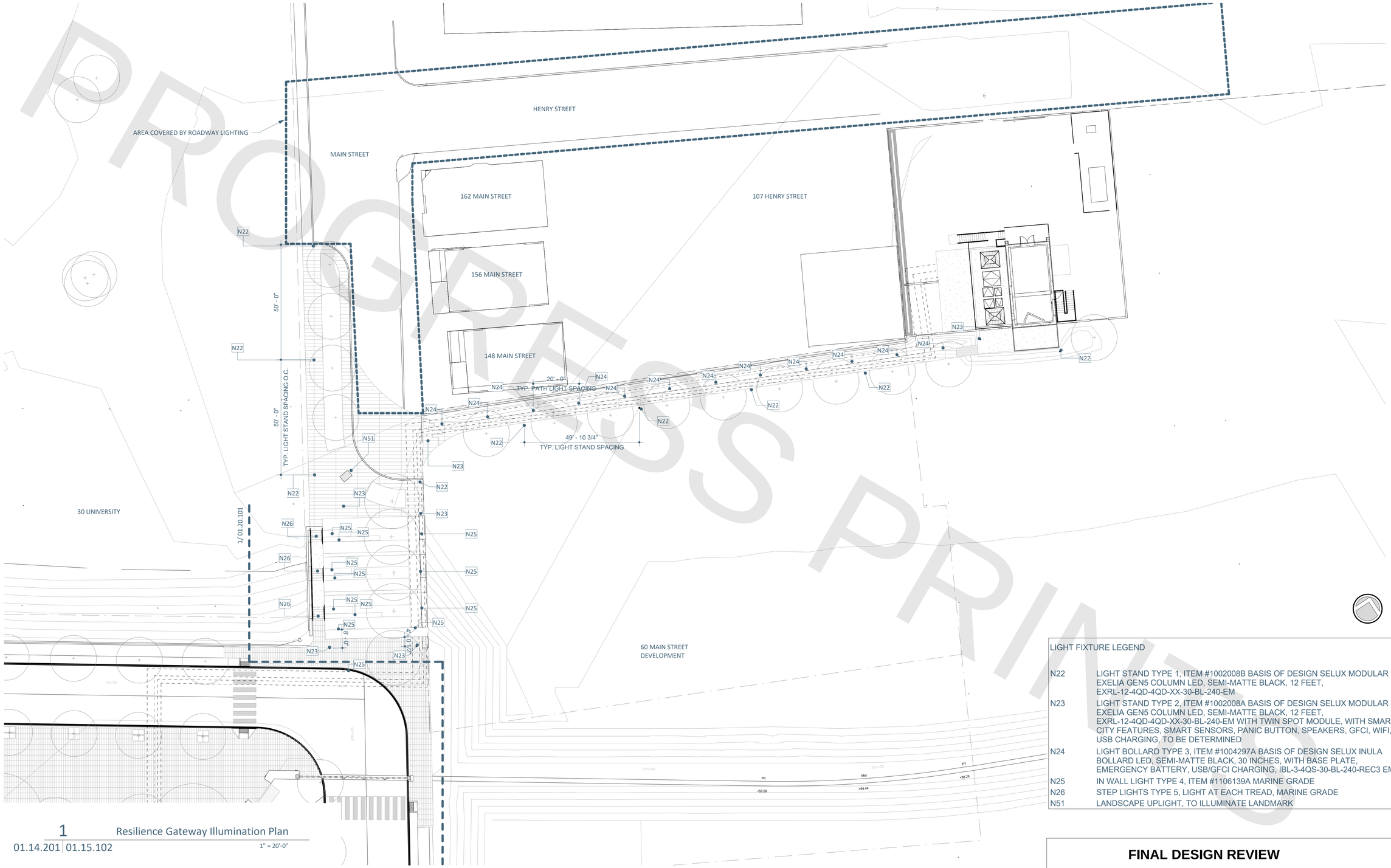
DRAWING TITLE: HEAD OF PARK ILLUMINATION PLAN

PROJECT NO. 15-384

DRAWING NO. 01.15.101

SHEET NO. **15.04**

PROGRESS PRINT



1 Resilience Gateway Illumination Plan

01.14.201 | 01.15.102

1" = 20'-0"

LIGHT FIXTURE LEGEND

N22	LIGHT STAND TYPE 1, ITEM #1002008B BASIS OF DESIGN SELUX MODULAR EXELIA GEN5 COLUMN LED, SEMI-MATTE BLACK, 12 FEET, EXRL-12-4QD-4QD-XX-30-BL-240-EM
N23	LIGHT STAND TYPE 2, ITEM #1002008A BASIS OF DESIGN SELUX MODULAR EXELIA GEN5 COLUMN LED, SEMI-MATTE BLACK, 12 FEET, EXRL-12-4QD-4QD-XX-30-BL-240-EM WITH TWIN SPOT MODULE, WITH SMART CITY FEATURES, SMART SENSORS, PANIC BUTTON, SPEAKERS, GFCI, WIFI, USB CHARGING, TO BE DETERMINED
N24	LIGHT BOLLARD TYPE 3, ITEM #1004297A BASIS OF DESIGN SELUX INULA BOLLARD LED, SEMI-MATTE BLACK, 30 INCHES, WITH BASE PLATE, EMERGENCY BATTERY, USB/GFCI CHARGING, IBL-3-4QS-30-BL-240-REC3 EM
N25	IN WALL LIGHT TYPE 4, ITEM #1106139A MARINE GRADE
N26	STEP LIGHTS TYPE 5, LIGHT AT EACH TREAD, MARINE GRADE
N51	LANDSCAPE UPLIGHT, TO ILLUMINATE LANDMARK

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
1	4/19/2021	60% DESIGN
2	1/21/2022	90% DESIGN PROGRESS

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: KCR

CHECKED BY: DDC

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: RESILIENCE GATEWAY ILLUMINATION PLAN

PROJECT NO. 15-384

DRAWING NO. 01.15.102

SHEET NO. **15.05**

16 - COASTAL FLOOD DEFENSE SYSTEM
INDEX OF DRAWINGS

SHEET COUNT	SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE	BY	FILE NAME	REMARKS
1	01.22.001	CFDS-001	CFDS INDEX OF DRAWINGS 1	ARCADIS		
2	01.22.002	CFDS-002	CFDS INDEX OF DRAWINGS 2	ARCADIS		
3	01.22.003	CFDS-003	CFDS GENERAL NOTES	ARCADIS		
4	01.22.005	CFDS-005	CFDS GEOMETRIC LAYOUT 1	ARCADIS		
5	01.22.006	CFDS-006	CFDS GEOMETRIC LAYOUT 2	ARCADIS		
6	01.22.010	CFDS-010	CFDS DEMOLITION KEY PLAN	ARCADIS		
7	01.22.011	CFDS-011	CFDS DEMOLITION PLAN 1	ARCADIS		
8	01.22.012	CFDS-012	CFDS DEMOLITION PLAN 2	ARCADIS		
9	01.22.013	CFDS-013	CFDS DEMOLITION PLAN 3	ARCADIS		
10	01.22.014	CFDS-014	CFDS DEMOLITION PLAN 4	ARCADIS		
11	01.22.015	CFDS-015	CFDS DEMOLITION PLAN 5	ARCADIS		
12	01.22.020	CFDS-020	CFDS CIVIL KEY PLAN	ARCADIS		
13	01.22.021	CFDS-021	CFDS CIVIL PLAN 1	ARCADIS		
14	01.22.022	CFDS-022	CFDS CIVIL PLAN 2	ARCADIS		
15	01.22.023	CFDS-023	CFDS CIVIL PLAN 3	ARCADIS		
16	01.22.024	CFDS-024	CFDS CIVIL PLAN 4	ARCADIS		
17	01.22.025	CFDS-025	CFDS CIVIL PLAN 5	ARCADIS		
18	01.22.026	CFDS-026	CFDS CIVIL TYPICAL SECTIONS 1	ARCADIS		
19	01.22.027	CFDS-027	CFDS CIVIL TYPICAL SECTIONS 2	ARCADIS		
20	01.22.028	CFDS-028	CFDS CIVIL TYPICAL SECTIONS 3	ARCADIS		
21	01.22.029	CFDS-029	CFDS GRADING TRANSITION DETAILS	ARCADIS		
22	01.22.030	CFDS-030	CFDS STRUCTURAL KEY PLAN	ARCADIS		
23	01.22.031	CFDS-031	CFDS FOUNDATION PLAN 1	ARCADIS		
24	01.22.032	CFDS-032	CFDS FOUNDATION PLAN 2	ARCADIS		
25	01.22.033	CFDS-033	CFDS FOUNDATION PLAN 3	ARCADIS		
26	01.22.034	CFDS-034	CFDS FOUNDATION PLAN 4	ARCADIS		
27	01.22.035	CFDS-035	CFDS FOUNDATION PLAN 5	ARCADIS		
28	01.22.036	CFDS-036	CFDS FOUNDATION PLAN 6	ARCADIS		
29	01.22.037	CFDS-037	CFDS FOUNDATION PLAN 7	ARCADIS		
30	01.22.038	CFDS-038	CFDS FOUNDATION PLAN 8	ARCADIS		
31	01.22.040	CFDS-040	CFDS PROFILE 1	ARCADIS		
32	01.22.041	CFDS-041	CFDS PROFILE 2	ARCADIS		
33	01.22.042	CFDS-042	CFDS PROFILE 3	ARCADIS		
34	01.22.043	CFDS-043	CFDS PROFILE 4	ARCADIS		
35	01.22.045	CFDS-045	PAVEMENT DETAILS	ARCADIS		
36	01.22.070	CFDS-070	CFDS TYPICAL SECTIONS 1	ARCADIS		
37	01.22.071	CFDS-071	CFDS TYPICAL SECTIONS 2	ARCADIS		
38	01.22.072	CFDS-072	CFDS TYPICAL SECTIONS 3	ARCADIS		
39	01.22.080	CFDS-080	TYPICAL WATERSTOP DETAILS 1	ARCADIS		

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: -

CHECKED BY: -

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS INDEX OF DRAWINGS 1

PROJECT NO. 15-384

DRAWING NO. CFDS-001

SHEET NO. 01.22.001

FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-001-002.dwg
DATE/TIME = Jan 21, 2022 - 3:32pm

COASTAL FLOOD DEFENSE SYSTEM
INDEX OF DRAWINGS

SHEET COUNT	SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE	BY	FILE NAME	REMARKS
40	01.22.081	CFDS-081	TYPICAL WATERSTOP DETAILS 2	ARCADIS		
41	01.22.084	CFDS-084	UTILITY CROSSING DETAILS 1	ARCADIS		
42	01.22.085	CFDS-085	CFDS UTILITY CROSSING SCHEDULE	ARCADIS		
43	01.22.090	CFDS-090	CFDS CLOSURE STRUCTURE SCHEDULE	ARCADIS		
44	01.22.091	CFDS-091	STOP LOG 1 & 2 LAYOUT AND ELEVATION	ARCADIS		
45	01.22.092	CFDS-092	STOP LOG 1 & 2 SECTIONS AND DETAILS	ARCADIS		
46	01.22.110	CFDS-110	ROLLER GATE 3 MONOLITH DETAILS 1	ARCADIS		
47	01.22.111	CFDS-111	ROLLER GATE 3 MONOLITH DETAILS 2	ARCADIS		
48	01.22.112	CFDS-112	ROLLER GATE 3 PLAN & ELEVATION	ARCADIS		
49	01.22.113	CFDS-113	ROLLER GATE 3 SECTIONS & DETAILS	ARCADIS		
50	01.22.114	CFDS-114	ROLLER GATE 3 DETAILS	ARCADIS		
51	01.22.115	CFDS-115	ROLLER GATE 3 STORAGE MONOLITH DETAILS	ARCADIS		
52	01.22.120	CFDS-120	STOP LOG 4 GENERAL PLAN & ELEVATION	ARCADIS		
53	01.22.121	CFDS-121	STOP LOG 4 SECTIONS & DETAILS	ARCADIS		
54	01.22.130	CFDS-130	STOP LOG 5 GENERAL PLAN	ARCADIS		
55	01.22.131	CFDS-131	STOP LOG 5 ELEVATION	ARCADIS		
56	01.22.132	CFDS-132	STOP LOG 5 SECTIONS & DETAILS	ARCADIS		
57	01.22.140	CFDS-140	STOP LOGS 6, 7, & 8 LAYOUT AND ELEVATION	ARCADIS		
58	01.22.141	CFDS-141	STOP LOGS 6, 7, & 8 SECTIONS AND DETAILS	ARCADIS		
59	01.22.170	CFDS-170	ROLLER GATE 9 MONOLITH DETAILS 1	ARCADIS		
60	01.22.171	CFDS-171	ROLLER GATE 9 MONOLITH DETAILS 2	ARCADIS		
61	01.22.172	CFDS-172	ROLLER GATE 9 PLAN & ELEVATION	ARCADIS		
62	01.22.173	CFDS-173	ROLLER GATE 9 SECTIONS & DETAILS	ARCADIS		
63	01.22.174	CFDS-174	ROLLER GATE 9 DETAILS	ARCADIS		
64	01.22.175	CFDS-175	ROLLER GATE 9 STORAGE MONOLITH DETAILS	ARCADIS		
65	01.22.176	CFDS-176	ROLLER GATE 9 UTILITY CROSSING DETAILS	ARCADIS		
66	01.22.190	CFDS-190	FLOOD GATE STANDARD DETAILS 1	ARCADIS		
67	01.22.191	CFDS-191	SHEET INTENTIONALLY LEFT BLANK	ARCADIS		
68	01.22.192	CFDS-192	FLOOD GATE STANDARD DETAILS 3	ARCADIS		
69	01.22.193	CFDS-193	FLOOD GATE STANDARD DETAILS 4	ARCADIS		
70	01.22.200	CFDS-200	CFDS TIE-IN CONCEPT 1	ARCADIS		
71	01.22.201	CFDS-201	CFDS TIE-IN CONCEPT 2	ARCADIS		
72	01.22.202	CFDS-202	CFDS TIE-IN CONCEPT 3	ARCADIS		

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: -

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS INDEX OF DRAWINGS 2

PROJECT NO. 15-384

DRAWING NO. CFDS-002

SHEET NO. 01.22.002

FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-001-002.dwg
DATE/TIME = Jan 21, 2022 - 3:32pm

GENERAL NOTES

1. ALL STRUCTURAL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, INCLUDING THE STATE OF CONNECTICUT BUILDING CODE, 2018 EDITION AND STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD DETAILS AND SPECIFICATIONS, LATEST EDITION.
2. PERFORM ALL WORK IN COORDINATION WITH ALL DRAWINGS AND INFORMATION RELATED TO STRUCTURAL WORK. ANY CHANGES REQUIRING MODIFICATIONS TO THE STRUCTURAL SYSTEMS SHALL BE REDESIGNED BY A PROFESSIONAL ENGINEER AT NO COST TO THE OWNER AND SUBMITTED TO THE ENGINEER. SUBMITTAL SHALL BE ACKNOWLEDGED IN WRITING BEFORE BEGINNING CONSTRUCTION.
3. METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITIES OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND IMPLEMENTING THE NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
4. QUALITY OF CONSTRUCTION REQUIRED, PERFORMANCE LEVELS OF WORKMANSHIP, MANUFACTURING AND INDUSTRY STANDARDS, STRENGTH AND PHYSICAL REQUIREMENTS OF MATERIALS, CONFORMANCE TO CODES AND REGULATIONS, GUARANTEES AND OTHER PROJECT REQUIREMENTS ARE SPECIFIED IN THE PROJECT SPECIFICATION.
5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
6. FACILITIES SHALL BE DESIGNED FOR LOADS AND CONDITIONS AS SPECIFIED IN DESIGN GUIDELINES. CONTRACTOR SHALL BE RESPONSIBLE FOR FACILITIES SUBJECT TO CONSTRUCTION LOADS EXCEEDING THE DESIGN LOADS AND SHALL NOTIFY THE ENGINEER OF ANY SUCH LOAD OR CONDITION CHANGE.
7. THE IMPLEMENTATION OF JOB SAFETY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE ACI "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318-19).
2. ALL CAST IN SITU CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AND PRECAST STRENGTH OF 5000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
3. ALL GROUT SHALL BE NONSHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.
4. MINIMUM CONCRETE COVER:
   3" MINIMUM FOR CAST IN PLACE SECTION WITH A THICKNESS GREATER THAN 12"
   2" MINIMUM FOR CAST IN PLACE SECTION WITH A THICKNESS OF 12" OR LESS AND ALL PRECAST SECTION
   IN NO CASE SHALL THE COVER BE LESS THAN: 1.5 TIMES THE NOMINAL MAXIMUM SIZE OF AGGREGATE, OR 2.5 TIMES THE MAXIMUM DIAMETER OF THE REINFORCEMENT
5. SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO CONCRETE WORK SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.
6. CONTRACTOR SHALL REVIEW ALL DRAWINGS FOR SIZE AND LOCATION OF EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, AS REQUIRED. THESE ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE.
7. ALL BEAMS, SPANDRELS AND SLABS SHALL BE CAST MONOLITHICALLY, EXCEPT FOR REQUIRED CONSTRUCTION JOINTS. CONTRACTOR SHALL SUBMIT ANY AND ALL ALTERNATE AND ADDITIONAL CONSTRUCTION JOINT LOCATIONS AND DETAILS.
8. CONTRACTOR SHALL PROVIDE 3/4 INCH CHAMFER USING CHAMFER STRIPS ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS AND WALLS, OR AS REQUIRED TO MATCH EXISTING.
9. CONSTRUCTION JOINTS REQUIRED BY THE ENGINEER ARE SHOWN ON THE DRAWINGS. ADDITIONAL CONSTRUCTION JOINTS SHALL BE PROVIDED AS OUTLINED IN SPECIFICATIONS. REINFORCEMENT SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS. SUBMIT ALL CONSTRUCTION JOINT LOCATIONS WITH REINFORCING STEEL SHOP DRAWINGS.
10. CONCRETE MIX DESIGN WITH ADMIXTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
11. ALUMINUM PIPE SHALL NOT BE USED WITH CONCRETE PUMPS.

EXCAVATIONS

1. EXCAVATIONS SHALL BE SHORED TO PREVENT SUBSIDENCE AND DAMAGE TO ADJACENT EXISTING STRUCTURES.
2. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING, BRACING, SHEETING AND MAKE SAFE ALL WALLS AND ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE. SHORING AND SHEETING SHALL BE DESIGNED BY A STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER HIRED BY THE CONTRACTOR, WHO SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE OWNER'S REVIEW.
3. BEARING SURFACES SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FORMS AND REINF. STEEL AND PRIOR TO PLACEMENT OF CONCRETE. ALL SURFACES SHALL HAVE A MINIMUM 3000 PSF ALLOWABLE BEARING PRESSURE.
4. ANY SOFT ZONES SHALL BE OVER EXCAVATED AND FILLED AT THE DIRECTION OF GEOTECHNICAL ENGINEER.

PILE FOUNDATION NOTES

1. PILE TIP ELEVATIONS SHOWN ON DRAWINGS ARE SUBJECT TO CHANGE BASED ON PILE LOAD TEST PERFORMANCE AND BEDROCK ELEVATIONS ENCOUNTERED DURING DRIVING OPERATIONS WHICH MAY VARY FROM ASSUMED DEPTHS.

FOUNDATIONS

1. GENERAL CONTRACTOR SHALL VERIFY AND MARK LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES WITHIN 15 FEET OF THE WORK BEFORE STARTING CONSTRUCTION. PERFORM EXPLORATORY EXCAVATIONS TO VERIFY UTILITY LOCATION AND ELEVATION WHERE NECESSARY.
2. ALL WASTE MATERIAL AND CONSTRUCTION DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE. CONTRACTOR SHALL MAINTAIN ALL AREAS IN A NEAT AND UNOBSTRUCTED CONDITION, BOTH DURING AND UPON COMPLETION OF THE WORK.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
   A. AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, "(AISC STEEL CONSTRUCTION MANUAL 14th EDITION.
   B. THE AMERICAN WELDING SOCIETY (AWS D1.1) "CODE FOR WELDING IN BUILDING CONSTRUCTION,"
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   A. WIDE FLANGE BEAMS, COLUMNS AND STRUCTURAL TEES: ASTM A992 GRADE 50
   B. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B
   C. CHANNELS, ANGLES AND PLATES: ASTM A36 UNLESS OTHERWISE NOTED
   D. BOLTS: ASTM A325-SC, 3/4" DIA UNLESS OTHERWISE NOTED
3. WELDING SHALL BE PERFORMED BY CERTIFIED LICENSED, AWS-QUALIFIED WELDERS. ELECTRODES SHALL BE AWS 5.1, CLASS E70XX (USE LOW HYDROGEN ELECTRODES FOR A572, GRADE 50 STEEL).
4. SHOP PAINT EXPOSED STEEL MEMBERS, STEEL MEMBERS NOT ENCASED IN CONCRETE OR SPRAY FIREPROOFED, AND ALL STEEL MEMBERS AT THE EXTERIOR WALL WITH TNEMEC #10-99. FIELD PAINT ALL EXPOSED MEMBERS WITH TNEMEC 530 OMNITHANE OR APPROVED EQUAL.
5. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.

GATE NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE SHOWN IN CUSTOMARY U.S. UNITS. ALL TOLERANCES ARE IN INCHES.
2. ALL TOLERANCES SHALL BE AS SPECIFIED OR SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL, HOWEVER, REVIEW THE DRAWINGS THOROUGHLY AND BRING ANY CONFLICTS TO THE ATTENTION OF THE ENGINEER/DESIGNER. THE TOLERANCES SPECIFIED IN THE SPECIFICATIONS OR SHOWN ON THE CONTRACT DRAWINGS ARE MAXIMUM TOLERANCES APPLICABLE TO THE EQUIPMENT WHEN IT IS INSTALLED. FINER SHOP TOLERANCES SHALL BE ESTABLISHED, IF NECESSARY, TO MEET THE SPECIFIED DESIGN OR OPERATIONAL REQUIREMENTS.
3. THE DIMENSIONS SHOWN ON THIS DRAWING ARE FINISHED DIMENSIONS. THE CONTRACTOR SHALL ALLOW ADEQUATE CUTTING AND MACHINING ALLOWANCES ON THE RAW MATERIAL TO ENSURE ACCURATE FINISHED DIMENSIONS. PAINT THICKNESS SHALL BE TAKEN INTO CONSIDERATION WHEN ASSEMBLING PAINTED SURFACES.
4. CORRECT FIT OF PARTS SHALL BE CONTRACTOR'S RESPONSIBILITY EVEN IF THE SHOP DRAWINGS ARE APPROVED BY THE ENGINEER/DESIGNER. CONTRACTOR SHALL VERIFY ALL DIMENSIONS (INCLUDING PROPER LENGTH OF BOLTS AND SCREWS) CONTRACT DRAWINGS BEFORE START OF FABRICATION. SHOP DRAWINGS SUBMITTED FOR APPROVAL SHALL CLEARLY IDENTIFY MODIFIED DIMENSIONS, IF ANY.
5. ALL BOLTS AND SCREWS SHALL BE C.R.S ASTM F593, TYPE 316, UNLESS OTHERWISE NOTED OR SPECIFIED. NUTS FOR USE WITH C.R.S. BOLTS SHALL BE C.R.S. ASTM F594, TYPE 316, UNLESS SPECIFIED OTHERWISE.
6. SEALS SHALL BE CONTINUOUS AND WATERTIGHT. SEAL SEAT BAR WELDS SHALL BE CONTINUOUS AND WATERTIGHT. ALL SEAL MOUNTING HARDWARE SHALL BE: BOLTS, SCREWS AND NUTS – C.R.S.; PLAIN WASHERS – C.R.S.; SEAL WASHERS – NEOPRENE.
7. NICKEL ANTI-SEIZE LUBRICANT FORMULA 771, AS MANUFACTURED BY LOCTITE CORPORATION OR EQUAL, SHALL BE APPLIED TO THE THREADS OF C.R.S. FASTENERS DURING ASSEMBLY TO PREVENT GALLING.
8. WELDS SHALL BE CONTINUOUS AND WATERTIGHT. ALL GROOVE AND BUTT WELDS SHALL BE FULL PENETRATION WELDS UNLESS OTHERWISE NOTED. MINIMUM SIZE OF FILLET WELDS SHALL BE 5/16TH IN. MEASURED ALONG THE LEG UNLESS OTHERWISE NOTED. ALL WELDING SHALL CONFORM TO AWS D 1.1 UNLESS SHOWN OTHERWISE. ALL NON-PREQUALIFIED WELDS SHALL BE QUALIFIED BY THE CONTRACTOR.
9. WELDING INVOLVING C.R.S. COMPONENTS SHALL BE DONE WITH FILLER MATERIAL OF CHEMICAL COMPOSITION EQUAL TO C.R.S. MATERIAL.
10. WELDS WITH SURFACE IRREGULARITIES AND SHARP CORNERS SHALL BE BLENDED GROUND AND DRESSED TO AVOID STRESS RISERS AND FOR PROPER ADHESION OF THE PAINT BEFORE PROCEEDING WITH THE OVERALL SURFACE PREPARATION FOR PAINTING. WELD SPLATTER SHOULD BE REMOVED AS NECESSARY TO ENSURE PROPER ADHESION OF THE PAINT. AREAS OF HIGH STRESS AND MACHINED SURFACES SHALL BE PROTECTED FROM WELD SPLATTER.
11. FIELD SPLICE WELDS ARE SHOWN ON THE DRAWINGS IN DETAILS. THE SHOP WELDS ARE DEFINED ONLY BY AWS SYMBOLS. THE ACTUAL WELD DETAIL SHALL BE SELECTED BY THE MANUFACTURER SUBJECT TO REVIEW BY THE ENGINEER/DESIGNER.
12. WELD ACCESS HOLES AS SHOWN ON THE PLANS SHALL BE PROVIDED TO FACILITATE CJP WELDING.
13. SURFACES TO BE MACHINED SHALL INCLUDE ALL SURFACES REQUIRED TO BE PRECISELY ALIGNED INCLUDING SEALING SURFACES, BEARING PLATES, BUSHINGS, PINS, AND OTHER CRITICAL BEARING/SEALING SURFACES. THESE SURFACES SHALL BE PROTECTED FROM WELD SPLATTER.
14. ALL STEEL PARTS IN CONTACT WITH SEALS SHALL BE GROUND AND DRESSED AS NECESSARY TO REMOVE SHARP EDGES WHICH MAY DAMAGE SEALS.
15. ROUNDING OF EDGES WHERE SHOWN SHALL BE FULL RADIUS.
16. PLATES AND OTHER STRUCTURAL MEMBERS, WHICH WOULD INTERFERE WITH WELDS JOINING THE MAIN MEMBERS, SHALL BE CHAMFERED TO CLEAR THE WELDS AND TO PROVIDE SUFFICIENT SPACE TO FACILITATE PROPER SURFACE PREPARATION AND PAINTING OF THE WELDS AND THE SURFACES OF THE CUTS FACING THE WELDS.
17. INTERFACING SURFACES OF STEEL STRUCTURAL ITEMS, ASSEMBLED BY BOLTING, SHALL BE PAINTED BEFORE ASSEMBLY. ALL STEEL BOLTS AND BOLT HOLES SHALL ALSO BE PAINTED AND/OR COATED WITH AN APPROVED ANTI-CORROSION COMPOUND. SURFACES OF DIFFERENT MATERIALS IN CONTACT WITH EACH OTHER SHALL BE ISOLATED BY THE USE OF AN INSULATING MATERIAL TO PREVENT ANODIC CORROSION; IF ONE OF THE SURFACES IS OF STRUCTURAL STEEL, THIS SURFACE SHALL BE PAINTED.
18. ADEQUATE UNPAINTED SPACE SHALL BE PROVIDED IN THE SHOP ON EACH SIDE OF ALL FIELD WELDED SPLICES TO PREVENT EXTENDED DAMAGE TO THE PAINT DURING FIELD WELDING. WHERE CARBON STEEL IS TO BE WELDED TO STAINLESS STEEL, IN SHOP OR FIELD, THE PAINT TO BE APPLIED AFTER WELDING SHALL COVER ALL CARBON STEEL, FIELD WELD, AND STAINLESS STEEL.
19. WELDING SYMBOLS SHOWN ON THE DRAWINGS DESIGNATE TYPICAL WELDS FOR SIMILAR JOINTS.
20. SKIN PLATE SPLICES SHALL BE COMPLETE JOINT PENETRATION GROOVE WELDS. LOCATION OF SPLICE AND DETAILS SHALL BE SUBMITTED TO THE CONTRACTING OFFICER FOR APPROVAL.
21. THE CONTRACTOR SHALL ENSURE THAT WHERE WATERSTOPS ARE LOCATED, DISTANCES TO REBAR FROM THE SURFACE OF THE STRUCTURE CONFORM WITH THE CONTRACT DRAWINGS IN ORDER TO AVOID CONFLICTS WITH WATERSTOP INSTALLATION.

ABBREVIATIONS

AB	– ANCHOR BOLT	CTR.	– CENTER	FGL	– FINISHED GRADE LEVEL	MAX.	– MAXIMUM
ALUM.	– ALUMINUM	CONC.	– CONCRETE	FLR.	– FLOOR	MIN.	– MINIMUM
ALT.	– ALTERNATE	CONST.	– CONSTRUCTION	FRP	– FIBERGLASS REINFORCED PLASTIC	MK.	– MARK
ANCH.	– ANCHOR	CONT.	– CONTINUOUS	FF	– FAR FACE	MO	– MASONRY OPENING
&	– AND	C.R.S.	– CORROSION RESISTANT STEEL	FTG.	– FOOTING	NA	– NOT APPLICABLE
ARCH.	– ARCHITECT OR ARCHITECTURAL	DET.	– DETAIL	FT.	– FOOT	NF	– NEAR FACE
ASTM	– AMERICAN SOCIETY FOR TESTING MATERIALS	DIA.	– DIAMETER	GALV.	– GALVANIZED	NOS	– NUMBERS
@	– AT	DL	– DEAD LOAD	GR.	– GRADE	NTS	– NOT TO SCALE
B/	– BOTTOM OF	DWG.	– DRAWING	GRD.	– GROUND	O.C	– ON CENTER
B/S	– BOTH SIDE	DWLS.	– DOWELS	HORIZ.	– HORIZONTAL	OD	– OUTSIDE DIAMETER
BOP	– BOTTOM OF PIPE	EA.	– EACH	HT.	– HEIGHT	OPP.	– OPPOSITE
BOT.	– BOTTOM	EF	– EACH FACE	IF	– INSIDE FACE	PL	– PLATE
BLDG.	– BUILDING	EGL	– EXISTING GROUND LEVEL	IJ	– ISOLATION JOINT	PSF	– POUNDS PER SQUARE FOOT
B PL	– BASE PLATE	EJ	– EXPANSION JOINT	INV.	– INVERT	PROP.	– PROPOSED
CFDS	– COASTAL FLOOD DEFENSE SYSTEM	EL.	– ELEVATION	JT.	– JOINT	RAD.	– RADIUS
C/C	– CENTER TO CENTER	EMBD.	– EMBEDDED	LB.	– POUNDS	RC	– REINFORCING CONCRETE
CJ	– CONSTRUCTION JOINT	EW	– EACH WAY	LL	– LIVE LOAD	REINF.	– REINFORCING
C/L	– CENTERLINE	EQ.	– EQUAL	LG.	– LONG	REQ'D.	– REQUIRED
CLR.	– CLEAR	EXIST.	– EXISTING	LONG.	– LONGITUDINAL	SCHED.	– SCHEDULE
CMU	– CONCRETE MASONRY UNIT	EXP.	– EXPANSION	MFG.	– MANUFACTURER	SECT.	– SECTION
COL.	– COLUMN	EXT.	– EXTENSION			SF	– SQUARE FEET
		FDN.	– FOUNDATION			SHT.	– SHEET
						SIM.	– SIMILAR

ST STL	– STAINLESS STEEL						
STD.	– STANDARD						
STL.	– STEEL						
STLP	– STOP LOG POST						
STR.	– STRUCTURAL						
SUP.	– SUPPORT						
SYM.	– SYMMETRICAL						
SL	– SLOPE						
T/	– TOP OF						
T&B	– TOP AND BOTTOM						
TBC	– TO BE CONFIRMED						
TEMP.	– TEMPORARY						
THK.	– THICK						
TOS	– TOP OF STEEL						
TYP.	– TYPICAL						
TOW	– TOP OF WALL						
UON	– UNLESS OTHERWISE NOTED						
VERT.	– VERTICAL						
W/	– WITH						
W/O	– WITHOUT						
WG	– WEIR GATE						
WS.	– WATER STOP						
WT	– WEIGHT						
WWF	– WELDED WIRE FABRIC						

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: -

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS GENERAL NOTES

PROJECT NO. 15-384

DRAWING NO. CFDS-003

SHEET NO. 01.22.003

FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-003.dwg
DATE/TIME = Jan 21, 2022 - 3:32pm

FLOOD PROTECTION B/L–A LINE TABLE		
LINE NO.	LENGTH	DIRECTION
L1	612.26	N79° 08' 06.60"E
L2	20.37	S12° 06' 35.49"E
L3	454.69	N78° 28' 02.84"E
L4	503.37	N69° 17' 10.19"E
L5	246.12	S20° 42' 49.81"E
L6	214.73	N69° 52' 03.93"E

FLOOD PROTECTION B/L–A CURVE TABLE					
CURVE NO.	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	80.12	500.00	9.18	N73° 52' 37"E	80.04

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

CIVIL PLAN VIEW LAYOUT

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION
00	01/21/2022	90% PROGRESS SUBMITTAL

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SCALE IN FEET
0 100 200
SCALE 1"=100'

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS GEOMETRIC LAYOUT

PROJECT NO. 15-384

DRAWING NO. CFDS-005

SHEET NO. 01.22.020

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Civil\CFDS-005.dwg
DATE/TIME = Jan 21, 2022 – 1:26pm

FLOOD PROTECTION B/L-B LINE TABLE		
LINE NO.	LENGTH	DIRECTION
L7	47.26	N24° 09' 49.27"W
L8	78.16	S65° 50' 10.73"W
L9	230.33	N24° 08' 32.28"W
L10	155.31	N21° 06' 33.43"W
L11	72.38	N24° 55' 24.10"W
L12	134.11	N28° 44' 14.77"W
L13	74.15	N77° 38' 39.57"W
L14	116.99	S77° 25' 44.88"W
L15	570.00	N9° 35' 54.84"W
L16	26.79	N77° 41' 59.72"W
L17	196.73	N15° 06' 44.10"W
L18	99.22	N7° 38' 27.10"W
L19	19.50	N6° 20' 27.89"W
L20	114.08	S83° 53' 55.03"W

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

CIVIL PLAN VIEW LAYOUT

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION
00	01/21/2022	90% PROGRESS SUBMITTAL

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SCALE IN FEET
0 100 200
SCALE 1"=100'

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS GEOMETRIC LAYOUT

PROJECT NO. 15-384

DRAWING NO. CFDS-006

SHEET NO. 01.22.020

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-006.dwg
DATE/TIME = Jan 21, 2022 - 1:26pm

DEMOLITION PLAN LAYOUT

NOT TO SCALE

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

FILE NAME = C:\Users\jkeller\ARCADIS\Bridgeport FRRP Final Design - 5.0.3 Coastal Flood Defense System\CAD\CFDS-010.dwg
DATE/TIME = Jan 21, 2022 - 1:27pm

REV.	DATE	REVISION DESCRIPTION
0[illegible]	01/24/2022	90%[illegible]PROGRESS[illegible]SUBMITTAL

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS DEMOLITION KEY PLAN

PROJECT NO. 15-384

DRAWING NO. CFDS-010

SHEET NO. 01.22.010

PROGRESS PRINTS

PROPERTY BOUNDARY

UNIVERSITY AVE

SEE SHEETS DEM-001 TO DEM-004 FOR DEMOLITION OF UNIVERSITY AVE AND MAIN ST

MAIN ST.

REMOVE EXISTING BITUMINOUS PAVEMENT AND AGGREGATE SURFACING

EXISTING BUILDING FOUNDATION (TO REMAIN)

FLOOD PROTECTION BASELINE

CONSTRUCTION LIMITS (TYP.)

EXISTING BUILDING FOUNDATION (TO REMAIN)

MATCHLINE - STA. 514+00
SEE SHEET CFDS-012

509+00 510+00 511+00 512+00 513+00 514

PC: 510+87.32
PT: 511+67.44

30' 30' 30' 30'

45' 45'

N/F H & B CT, LLC 125 MAIN STREET VOL. 8587 PG. 344

N/F 78 MAIN STREET, LLC VOL. 8587 PG. 344

N/F H & B CT, LLC 78 MAIN STREET VOL. 8587 PG. 344

BROKEN BIT & GRASS

CONCRETE

EDGE OF CONC.

CONC. CURB

Electric Cabinet

IRF

PB N: 921519.976' E: 930077.482' L 4.12' SPK

0 10' 20' 40'

LEGEND

- REMOVE EXISTING BITUMINOUS PAVEMENT AND AGGREGATE SURFACING
- REMOVE EXISTING CHAIN-LINK FENCE
- REMOVE EXISTING DRAIN LINE
- LIMITS OF CONSTRUCTION

NOTES:
1. EXISTING INFORMATION SHOWN BASED ON SURVEY PREPARED BY XXXX. CONTRACTOR SHALL VERIFY CONDITIONS AND NOTIFY THE ENGINEER IF DIFFERENT CONDITIONS EXIST.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	01/24/2022	90% PROGRESS SUBMITTAL

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DESIGNER/DRAFTER: -
CHECKED BY: -
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS DEMOLITION PLAN 1

PROJECT NO. 15-384
DRAWING NO. CFDS-011
SHEET NO. 01.22.011

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-011 to CFDS-015.dwg
DATE/TIME = Jan 21, 2022 - 1:27pm

PLUG AND ABANDON REMAINING DRAINAGE PIPE APPROX. 47 LF

REMOVE EXISTING BITUMINOUS PAVEMENT AND AGGREGATE SURFACING

PROPERTY BOUNDARY

CHAIN-LINK FENCE REMOVAL LIMIT
N: 621878.59
E: 880818.92

PSEG ACCESS ROAD

PI: 516+70.81

515+00

516+00

517+00

518+00

519+00

520+00

521+00

521+32

EP: 521+31.66

30'

30'

EDGE OF CONC.

REMOVE EXISTING DRAINAGE PIPE WITHIN PROPOSED LEVEE FOOTPRINT, APPROX. 50 LF (SEE NOTE 2)

REMOVE EXISTING CATCH BASIN

LIMITS OF CONSTRUCTION (TYP.)

12'

10'

REMOVE EXISTING CHAIN-LINK FENCE, 352 LF

REMOVE EXISTING BITUMINOUS PAVEMENT AND AGGREGATE SURFACING

WATER DISCHARGE EASEMENT

TOP OF WALL =21.5'

MATCHLINE - STA. 514+00
SEE SHEET CFDS-011

CONCRETE

FLOOD PROTECTION BASELINE

CONC. PAD W/UTILITY BOX (TYP.)

EDGE OF CONC.

UNKNOWN MANHOLE
RIM=8.63

DRAIN CATCH BASIN
RIM=8.47

REMOVE AGGREGATE SURFACING (SEE NOTE 3)

REMOVE EXISTING CHAIN-LINK FENCE, 28 LF

EXISTING RETAINING WALL DO NOT DISTURB

PI: 519+16.93

12'

10'

CHAIN-LINK FENCE REMOVAL LIMIT
N: 621572.62
E: 880911.06

CATCH BASIN TO BE REMOVED SEE NOTE 2

REMOVE EXISTING CHAIN-LINK FENCE, 210 LF

CJL: 5.00

HTL: 4.98

EXISTING OUTFALLS DO NOT DISTURB

MHW: 3.15

BROKEN BIT & GRASS

0 10' 20' 40'

HARBOR UNIT 5
(PSEG)

LEGEND	
	REMOVE EXISTING BITUMINOUS PAVEMENT AND AGGREGATE SURFACING
	REMOVE AGGREGATE SURFACING
	REMOVE EXISTING CHAIN-LINK FENCE
	REMOVE EXISTING DRAIN LINE
— . . —	LIMITS OF CONSTRUCTION

NOTES:
1. EXISTING INFORMATION SHOWN BASED ON SURVEY PREPARED BY XXXX. CONTRACTOR SHALL VERIFY CONDITIONS AND NOTIFY THE ENGINEER IF DIFFERENT CONDITIONS EXIST.
2. NO SUBSURFACE INFORMATION IS AVAILABLE FOR THE EXISTING STORMWATER DRAINS IN THE CURRENT DESIGN PHASE. REMOVAL AND ABANDONED PIPES WILL BE VERIFIED IN FUTURE DESIGN PHASES.
3. EARTHEN EXCAVATION WITHIN PSEG PROPERTY BOUNDARIES IS NOT PERMITTED. LIMIT EXCAVATION ACTIVITIES TO REMOVING SURFICIAL STONE ONLY.

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	01/24/2022	~~90% PROGRESS SUBMITTAL~~

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DESIGNER/DRAFTER: -
CHECKED BY: -
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS DEMOLITION PLAN 2
PROJECT NO. 15-384
DRAWING NO. CFDS-012
SHEET NO. 01.22.012

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-011 to CFDS-015.dwg
DATE/TIME = Jan 21, 2022 - 1:27pm

PROGRESS PRINTS

ATLANTIC ST

0 10' 20' 40'

EXIST. CONCRETE PAD TO REMAIN

REMOVE EXIST. CONCRETE MEDIAN AND CURBS

REMOVE EXIST. CONCRETE CURB, 52LF

EXIST. 15" RCP (TO REMAIN)

EXIST. CATCH BASIN (TO REMAIN)

FLOOD PROTECTION BASELINE

REMOVE EXISTING CHAIN-LINK FENCE, 330 LF

EXIST. SUPPORT COLUMN (TO REMAIN)

PROPERTY BOUNDARY

PI: 601+25.42

PI: 603+55.74

PI: 605+11.06

PI: 606+83.43

600+00

601+00

602+00

603+00

604+00

605+00

606

SAW CUT EXIST. PAVEMENT AND CURBS

PSEG ACCESS ROAD

MILL EXIST. PAVEMENT TO BASE COURSE

LIMITS OF CONSTRUCTION (TYP.)

EXIST. SUPPORT COLUMN (TO REMAIN)

PI: 600+47.26

MATCHLINE - STA. 606+00
SEE SHEET CFDS-014

LEGEND

- REMOVE EXISTING BITUMINOUS PAVEMENT AND AGGREGATE SURFACING
- REMOVE EXISTING CHAIN-LINK FENCE
- REMOVE EXISTING DRAIN LINE
- LIMITS OF CONSTRUCTION

NOTES:
1. EXISTING INFORMATION SHOWN BASED ON SURVEY PREPARED BY XXXX. CONTRACTOR SHALL VERIFY CONDITIONS AND NOTIFY THE ENGINEER IF DIFFERENT CONDITIONS EXIST.
2. EARTHEN EXCAVATION WITHIN PSEG PROPERTY BOUNDARIES IS NOT PERMITTED. LIMIT EXCAVATION ACTIVITIES TO REMOVING PAVEMENT SECTIONS AND SURFICIAL STONE ONLY.

SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
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DESIGNER/DRAFTER: -
CHECKED BY: -
SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS DEMOLITION PLAN 3

PROJECT NO. 15-384
DRAWING NO. CFDS-013
SHEET NO. 01.22.013

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-011 to CFDS-015.dwg
DATE/TIME = Jan 21, 2022 - 1:28pm

PROPERTY BOUNDARY

PI: 609+08.68

609+00

610+00

611+00

612+00

3.5'

12'

3.5'

13.5'

7'

FLOOD PROTECTION BASELINE

REMOVE EXISTING CHAIN–LINK FENCE, 703 LF

SAW CUT EXIST. PAVEMENT

PI: 607+81.69

608+00

PI: 607+17.55

607+00

LIMITS OF CONSTRUCTION (TYP.)

MILL EXIST. PAVEMENT TO BASE COURSE

UNKNOWN UTILITY DISPOSITION TBD

MATCHLINE - STA. 606+00
SEE SHEET CFDS-013

MATCHLINE - STA. 613+00
SEE SHEET CFDS-015

0 10' 20' 40'

LEGEND

- REMOVE EXISTING BITUMINOUS PAVEMENT AND AGGREGATE SURFACING
- REMOVE EXISTING CHAIN–LINK FENCE
- REMOVE EXISTING DRAIN LINE
- LIMITS OF CONSTRUCTION

NOTES:
1. EXISTING INFORMATION SHOWN BASED ON SURVEY PREPARED BY XXXX. CONTRACTOR SHALL VERIFY CONDITIONS AND NOTIFY THE ENGINEER IF DIFFERENT CONDITIONS EXIST.
2. EARTHEN EXCAVATION WITHIN PSEG PROPERTY BOUNDARIES IS NOT PERMITTED. LIMIT EXCAVATION ACTIVITIES TO REMOVING PAVEMENT SECTIONS AND SURFICIAL STONE ONLY.

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
000	01/24/2022	90% PROGRESS SUBMITTAL

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ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS DEMOLITION PLAN 4

PROJECT NO. 15-384
DRAWING NO. CFDS-014
SHEET NO. 01.22.014

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DATE/TIME = Jan 21, 2022 – 1:28pm

PROGRESS PRINTS

PROPERTY BOUNDARY

FERRY ACCESS RD

CLEAR WOODED AREA WITH LIMITS OF CONSTRUCTION (0.2 AC)

FLOOD PROTECTION BASELINE

LIMITS OF CONSTRUCTION (TYP.)

MATCHLINE SEE SHEET CFDS-014
SEE SHEET CFDS-014

SURVEY INFORMATION UNAVAILABLE AT THE TIME OF THIS SUBMITTAL. REMOVE PAVEMENT, CURBS, AND BASE COURSE WITHIN EXCAVATION LIMITS OF FLOOD GATE FOOTING. PROTECT CROSSING ELECTRICAL LINES IN-PLACE

REMOVE EXIST. CATCH BASIN

EXIST. 36" STORM DRAINS (TO REMAIN)

REMOVE EXISTING CHAIN-LINK FENCE, 35 LF

PSEG PROPERTY BOUNDARY

REMOVE EXISTING CHAIN-LINK FENCE, 72 LF

SAW CUT EXIST. PAVEMENT

MILL EXIST. PAVEMENT TO BASE COURSE

PI: 615+05.47
PI: 614+78.68
PI: 617+02.20
PI: 618+01.42
PI: 618+20.92

614+00
615+00
616+00
617+00
618+00
619+00
619+35

22.5'
13.5'
7'

75
N: 623348.261'
E: 880201.796'
EL: 8.479'
TRV

76
N: 623490.492'
E: 880001.373'
EL: 9.832'
TRV

77
N: 623517.958'
E: 880007.522'
EL: 9.687'
TRV

0 10' 20' 40'

LEGEND

- REMOVE EXISTING BITUMINOUS PAVEMENT AND AGGREGATE SURFACING
- REMOVE EXISTING CHAIN-LINK FENCE
- REMOVE EXISTING DRAIN LINE
- LIMITS OF CONSTRUCTION

NOTES:
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PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS DEMOLITION PLAN 5

PROJECT NO. 15-384
DRAWING NO. CFDS-015
SHEET NO. 01.22.015

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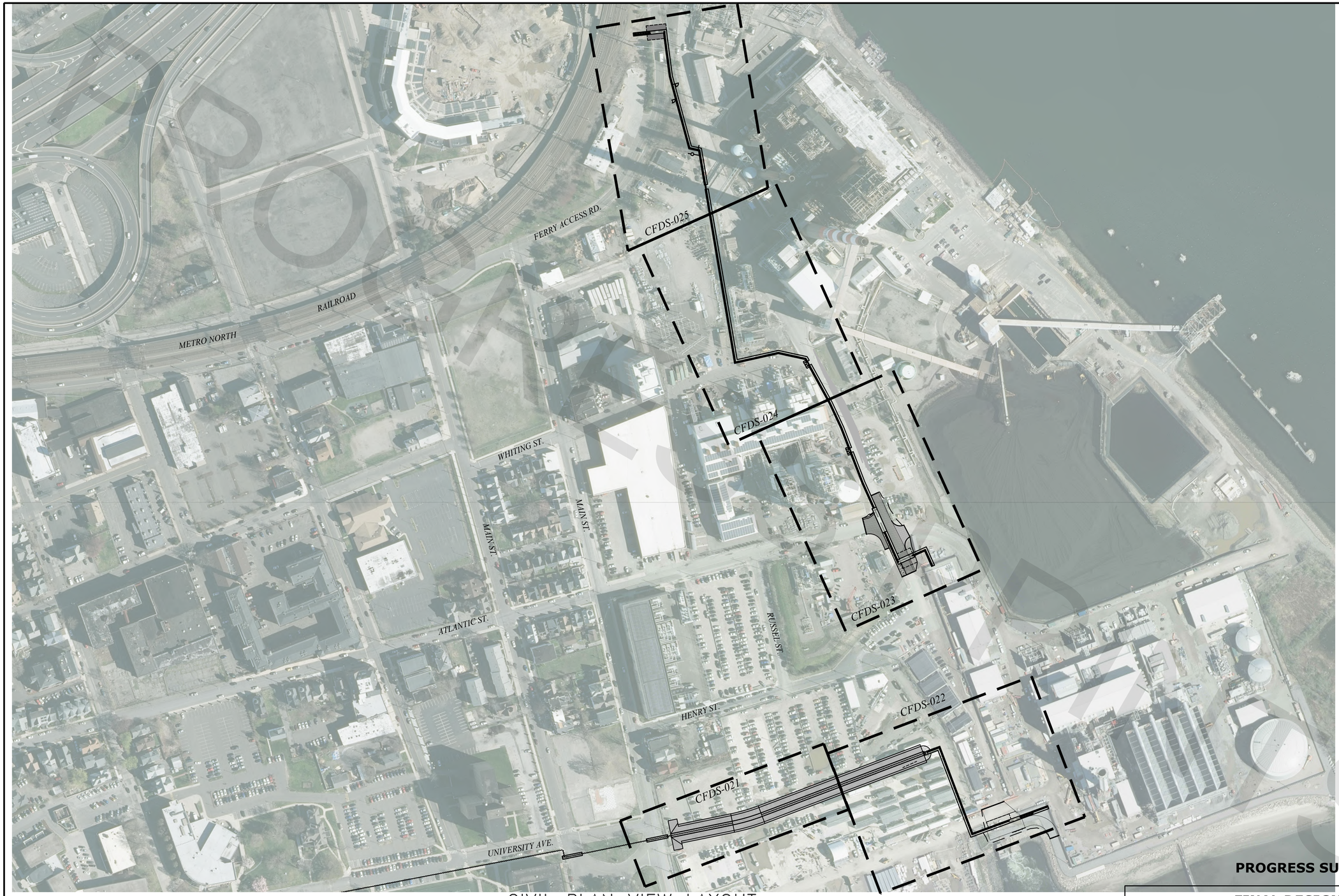

CIVIL PLAN VIEW LAYOUT

NOT TO SCALE

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS CIVIL LAYOUT KEY PLAN

PROJECT NO. 15-384

DRAWING NO. CFDS-020

SHEET NO. 01.22.020

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SEE ROADWAY PLANS FOR UNIVERSITY AVE AND MAIN ST GRADING DETAILS

PROPERTY BOUNDARY

UNIVERSITY AVE

STA. 509+18.00
BEGIN LEVEE/I-WALL CONSTRUCTION

3H:1V SLOPE (TYP.)

Mid: 511+27.38

FLOOD PROTECTION BASELINE

10' WIDE LEVEE CREST

LEVEE TOE

AZ-26 SHEETPILE WITH METAL CAP SEE SHEET XXX FOR DETAILS

STOP LOG GATE SEE STRUCTURAL PLANS FOR DETAILS

MAIN ST.

PC: 510+87.32

PT: 511+67.44

500' R

ACB REVETMENT

LEVEE TOE

MATCHLINE - STA. 514+00
SEE SHEET CFDS-022

PROTECTED SIDE

FLOOD SIDE

A
CFDS-026

BROKEN BIT & GRASS

CONCRETE

EDGE OF CONC.

CONC. CURB

N/F H & B CT, LLC 122 MAIN STREET VOL. 8587 PG. 344

0 10' 20' 40'

PROGRESS PRINTS

PROGRESS SUBMITTAL

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WAGGONNER & BALL
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ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS CIVIL PLAN 1

PROJECT NO. 15-384

DRAWING NO. CFDS-021

SHEET NO. 01.22.021

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PROTECTED SIDE

LEVEE TOE

PROPERTY BOUNDARY

PI: 516+70.81

I–WALL TO T–WALL TRANSITION
SEE CFDS–029 FOR DETAIL

10' WIDE LEVEE CREST

ACB REVETMENT

LEVEE TOE

A
CFDS–026

AZ–26 SHEETPILE WITH METAL CAP
SEE SHEET XXX FOR DETAILS

3H:1V SLOPE (TYP.)

STA. 516+25.81
END LEVEE/I–WALL CONSTRUCTION
BEGIN T–WALL CONSTRUCTION

FLOOD PROTECTION BASELINE

CONCRETE FOOTING

B
CFDS–026

CONCRETE STEM

GRADING LIMITS

C
CFDS–027

SURVEY UNAVAILABLE
GRADE TO MATCH
EXISTING RAMP

ROLLER GATE IN
STORED POSITION
SEE CFDS–110 TO
CFDS–114 FOR
STRUCTURAL DETAILS

HP EL. 12.0

NON–STRUCTURAL TIE–IN TO
EXISTING RETAINING WALL
SEE CFDS–202 FOR DETAILS

HP EL. 12.0

EXISTING RETAINING WALL

4H:1V

TOC 11.5

30.00 ft CLEAR

PI: 519+16.93

4H:1V

GRADING LIMITS

BURIED SEEPAGE SLAB
SEE CFDS–XXXX FOR DETAILS

4H:1V

CJL: 5.00

HTL: 4.98

MHW: 3.15

MLW: –3.60

METAL BEAM GUARD RAIL
WITH TRAILING ENDS
(36LF)

OBJECT MARKER
(OM1–1)
(TYP, 3 LOCATIONS)

ACCESS RD CL

MATCHLINE - STA. 514+00
SEE SHEET CFDS-021

FLOOD SIDE

PROTECTED SIDE

HARBOR UNIT 5
(PSEG)

0 10' 20' 40'

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

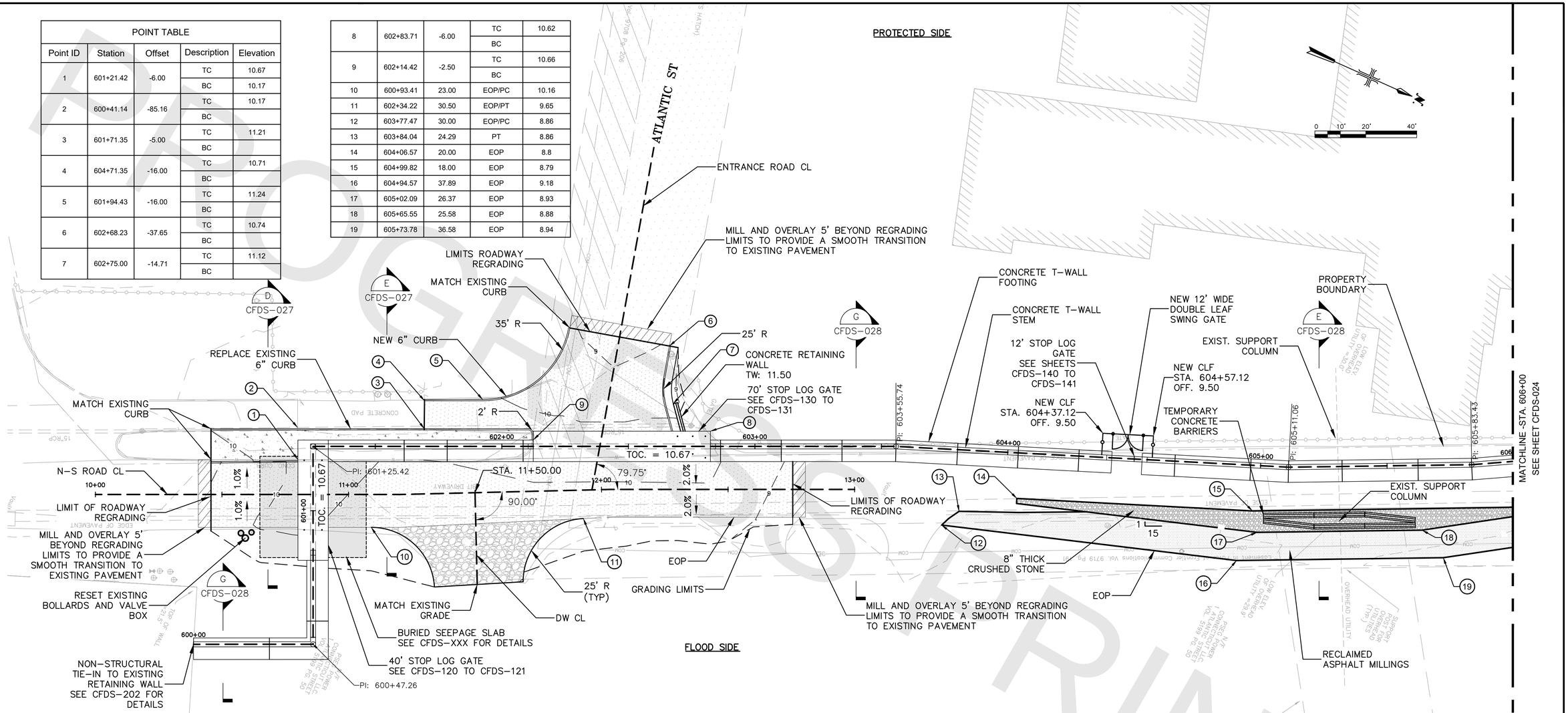
DRAWING TITLE: CFDS CIVIL PLAN 2

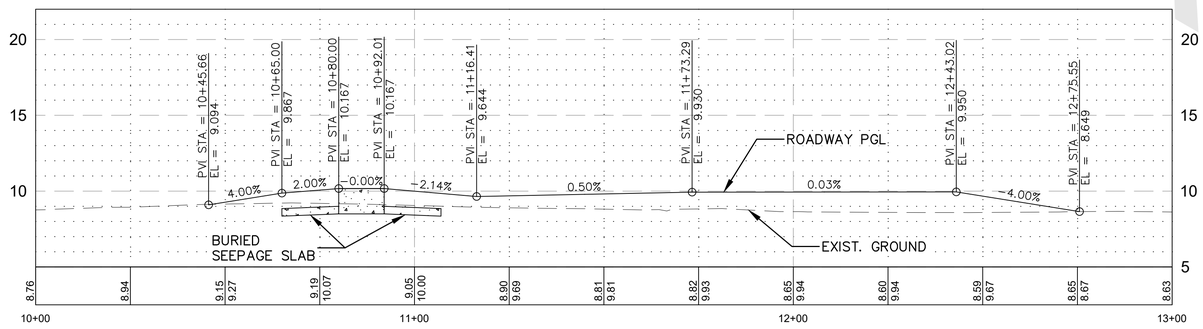
PROJECT NO. 15-384

DRAWING NO. CFDS-022

SHEET NO. 01.22.022

POINT TABLE				
Point ID	Station	Offset	Description	Elevation
1	601+21.42	-6.00	TC	10.67
			BC	10.17
2	600+41.14	-85.16	TC	10.17
			BC	
3	601+71.35	-5.00	TC	11.21
			BC	
4	604+71.35	-16.00	TC	10.71
			BC	
5	601+94.43	-16.00	TC	11.24
			BC	
6	602+68.23	-37.65	TC	10.74
			BC	
7	602+75.00	-14.71	TC	11.12
			BC	
8	602+83.71	-6.00	TC	10.62
			BC	
9	602+14.42	-2.50	TC	10.66
			BC	
10	600+93.41	23.00	EOP/PC	10.16
11	602+34.22	30.50	EOP/PT	9.65
12	603+77.47	30.00	EOP/PC	8.86
13	603+84.04	24.29	PT	8.86
14	604+06.57	20.00	EOP	8.8
15	604+99.82	18.00	EOP	8.79
16	604+94.57	37.89	EOP	9.18
17	605+02.09	26.37	EOP	8.93
18	605+65.55	25.58	EOP	8.88
19	605+73.78	36.58	EOP	8.94





PROGRESS PRINTS

PROGRESS SUBMITTAL

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SCALE IN FEET 0 20 40
SCALE 1"=20'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS CIVIL PLAN 3
PROJECT NO. 15-384
DRAWING NO. CFDS-023
SHEET NO. 01.22.023

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-021 to CFDS-025.dwg
DATE/TIME = Jan 21, 2022 - 1:29pm

PROTECTED SIDE

FLOOD SIDE

PROGRESS PRINTS

PI: 609+08.68

PI: 607+91.69

PI: 607+17.55

609+00

610+00

611+00

612+00

608+00

607+00

PROPERTY BOUNDARY

FLOOD PROTECTION BASELINE

G CFDS-028

CONCRETE T-WALL FOOTING

CONCRETE T-WALL STEM

NEW 12' WIDE DOUBLE LEAF SWING GATE

12' STOP LOG GATE SEE SHEETS CFDS-140 TO CFDS-141

NEW CLF STA. 607+22.07 OFF. 9.26

NEW CLF STA. 606+93.55 OFF. 9.50

8" CRUSHED STONE

EOP STA. 606+26.13 OFF. 19.00 EL. 8.98

TEMPORARY CONCRETE BARRIERS, 40LF

MATCH EXISTING EOP

EOP STA. 601+00.55 OFF. 31.77 EL. 8.90

EOP STA. 606+56.21 OFF. 30.00 EL. 9.52

RECLAIMED ASPHALT MILLINGS

MATCHLINE - STA. 606+00 SEE SHEET CFDS-023

MATCHLINE - STA. 613+00 SEE SHEET CFDS-025

0 10' 20' 40'

PROGRESS SUBMITTAL

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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS CIVIL PLAN 4

PROJECT NO. 15-384

DRAWING NO. CFDS-024

SHEET NO. 01.22.024

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-021 to CFDS-025.dwg
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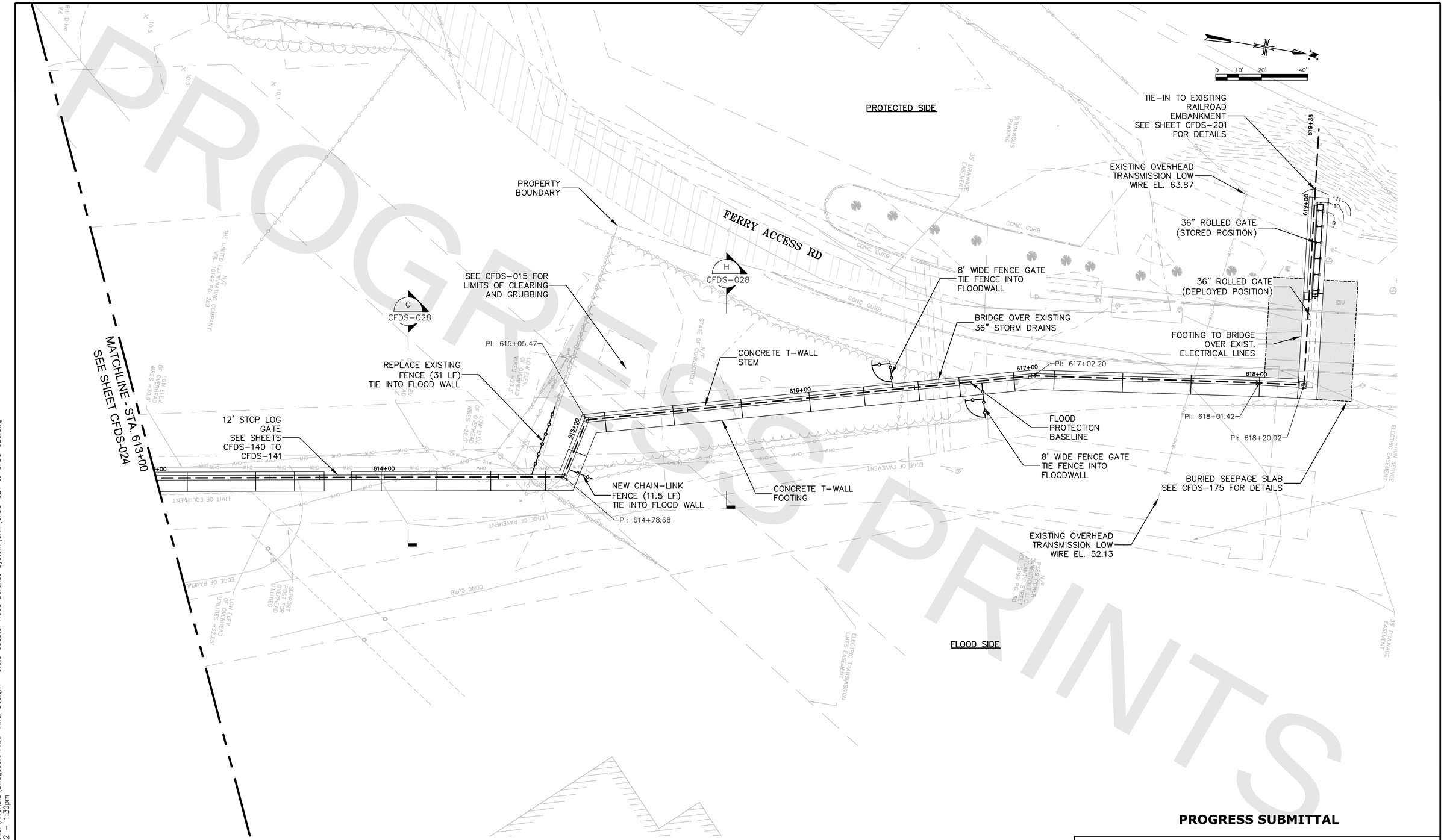

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS CIVIL PLAN 5

PROJECT NO. 15-384

DRAWING NO. CFDS-025

SHEET NO. 01.22.025

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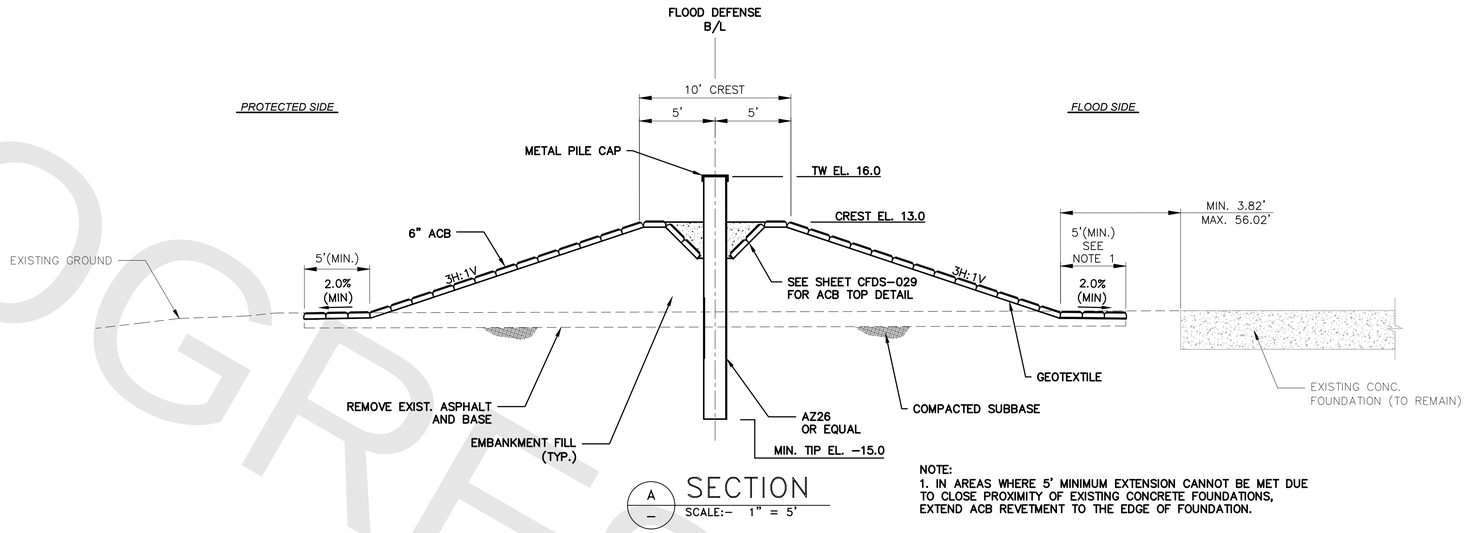
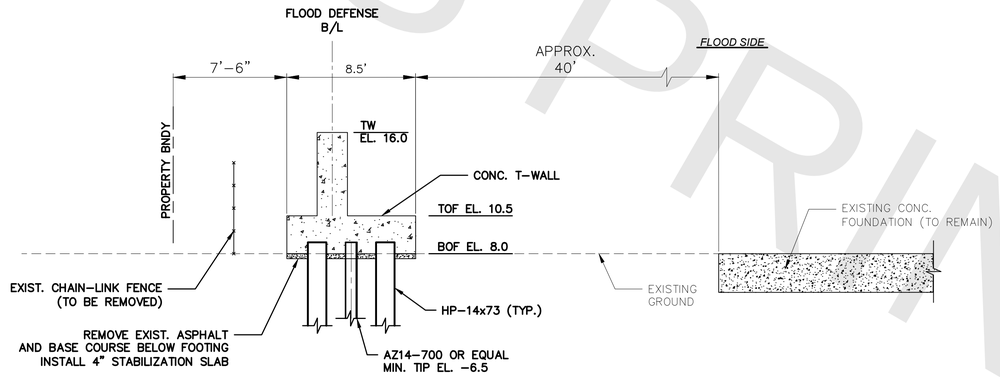


A — SECTION
SCALE:- 1" = 5'

NOTE:
1. IN AREAS WHERE 5' MINIMUM EXTENSION CANNOT BE MET DUE TO CLOSE PROXIMITY OF EXISTING CONCRETE FOUNDATIONS, EXTEND ACB REVETMENT TO THE EDGE OF FOUNDATION.



B — SECTION
SCALE:- 1" = 5'

PROGRESS PRINTS

PROGRESS SUBMITTAL

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS TYPICAL SECTION - 1
PROJECT NO. 15-384
DRAWING NO. CFDS-026
SHEET NO. 01.22.026

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-026.dwg
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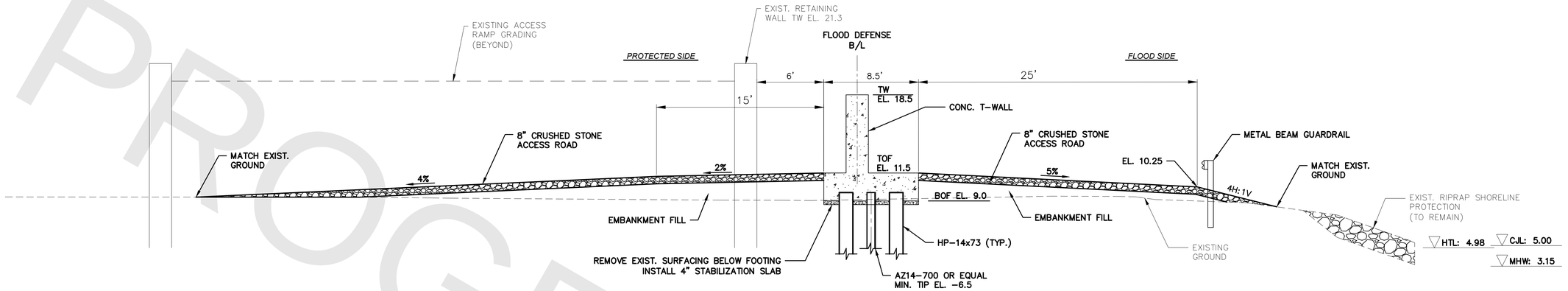
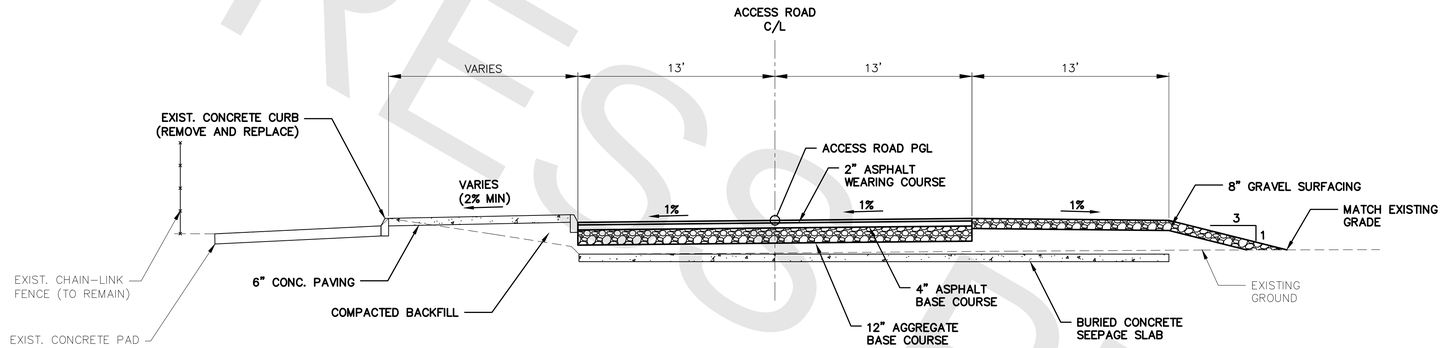
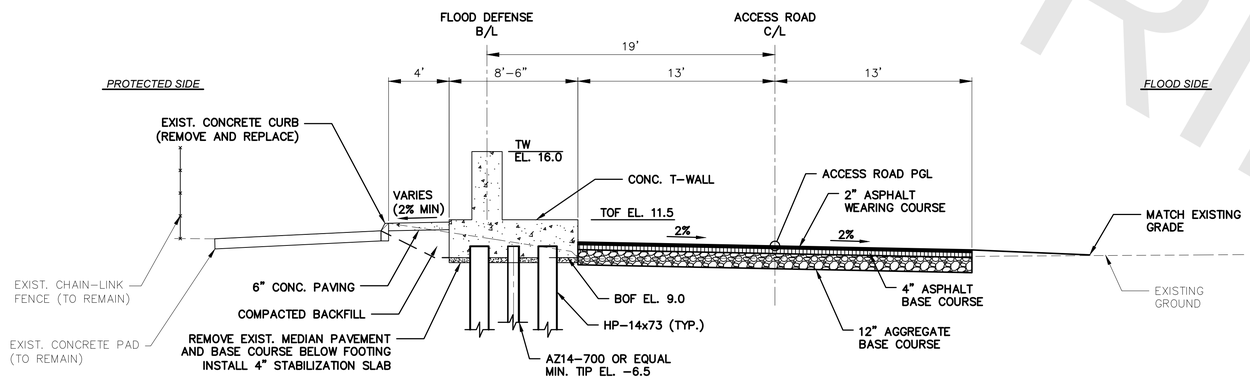


C — SECTION
SCALE:- 1" = 5'



D — SECTION
SCALE:- 1" = 5'



E — SECTION
SCALE:- 1" = 5'

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-027.dwg
DATE/TIME = Jan 21, 2022 - 1:30pm

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SCALE IN FEET 0 5 10
SCALE 1"=5'

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ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

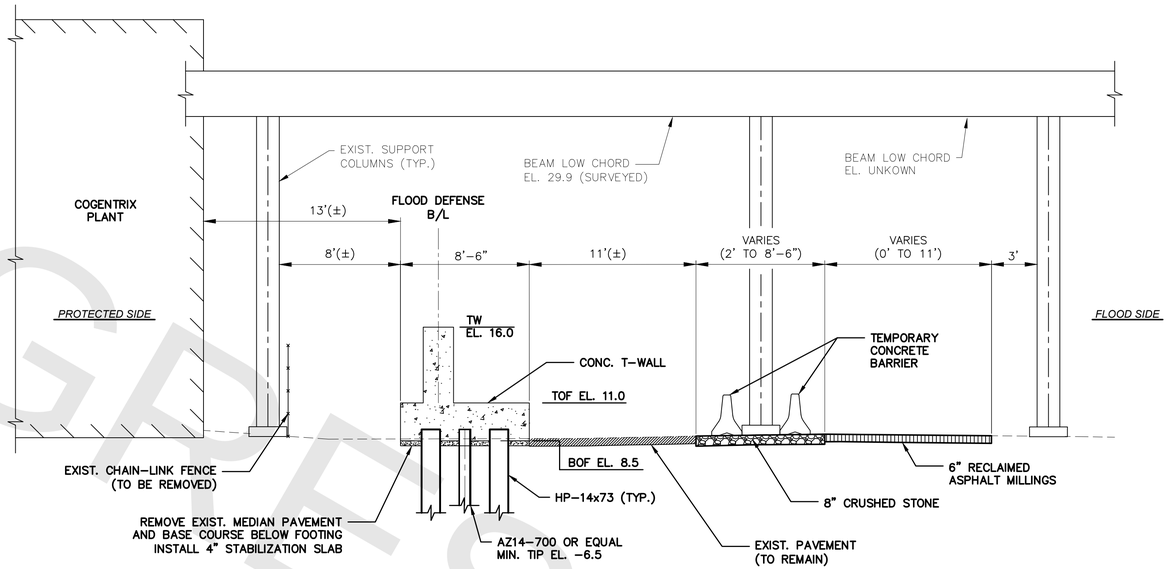
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

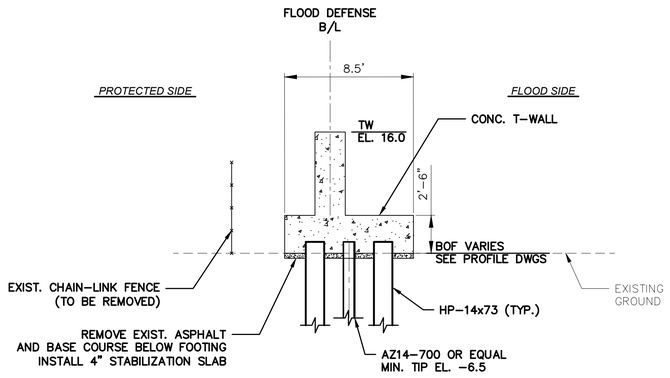
DRAWING TITLE: CFDS TYPICAL SECTION - 2

PROJECT NO. 15-384
DRAWING NO. CFDS-027
SHEET NO. 01.22.027

PROGRESS PRINTS



F — SECTION
SCALE:- 1" = 5'



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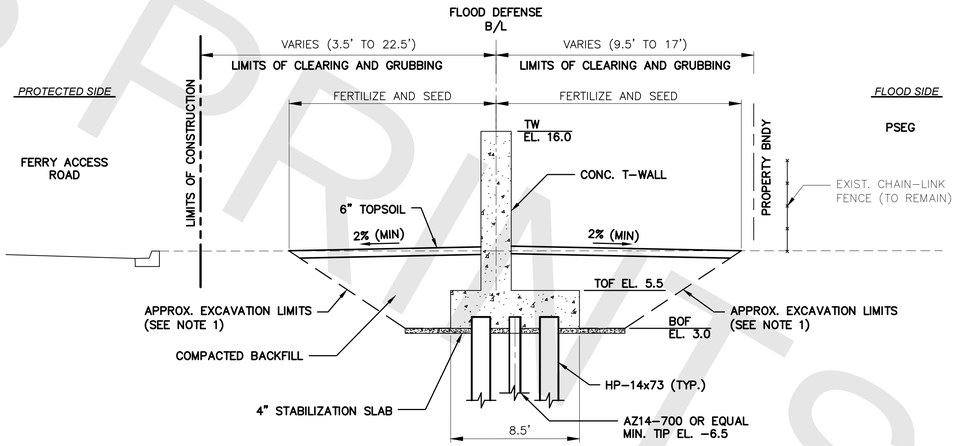

H — SECTION
SCALE:- 1" = 5'

NOTE:
1. BRACED EXCAVATION REQUIRED IN AREAS WHERE SPACE IS LIMITED. EXCAVATION ON PSEG OWNED PROPERTY IS PROHIBITED.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	01/24/2022	90% PROGRESS SUBMITTAL

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: -
CHECKED BY: -
SCALE IN FEET 0 5 10
SCALE 1"=5'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS TYPICAL SECTION - 3

PROJECT NO. 15-384
DRAWING NO. CFDS-028
SHEET NO. 01.22.028

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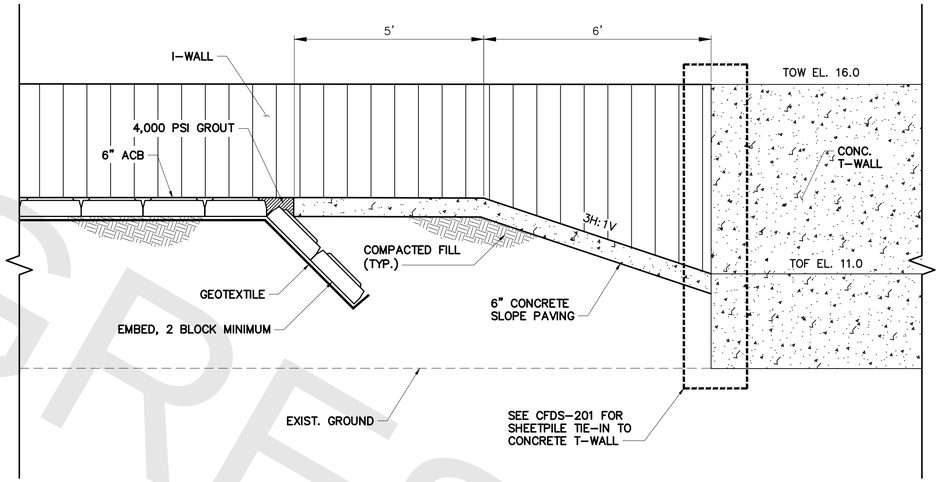

1 CFDS-022 DETAIL – I-WALL TO T-WALL TRANSITION

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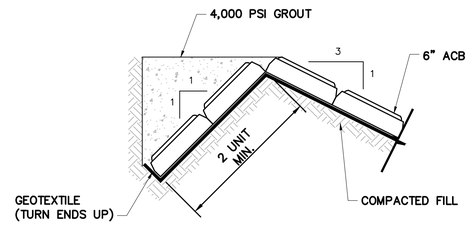

2 CFDS-021 CFDS-022 DETAIL – ACB ANCHORAGE AT LEVEE CREST

SCALE:– 1/4" = 1'-0"

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	01/24/2022	90% PROGRESS SUBMITTAL

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SCALE IN FEET
0 5 10
SCALE 1"=5'

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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS TRANSITION DETAILS

PROJECT NO. 15-384

DRAWING NO. CFDS-029

SHEET NO. 01.22.029

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Civil\CFDS-029.dwg
DATE/TIME = Jan 21, 2022 – 1:30pm

N
W E
S

LEGEND:

PROPOSED GATE LOCATION

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

AERIAL PLAN VIEW LAYOUT

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS STRUCTURAL KEY PLAN

PROJECT NO. 15-384

DRAWING NO. CFDS-030

SHEET NO. 01.22.030

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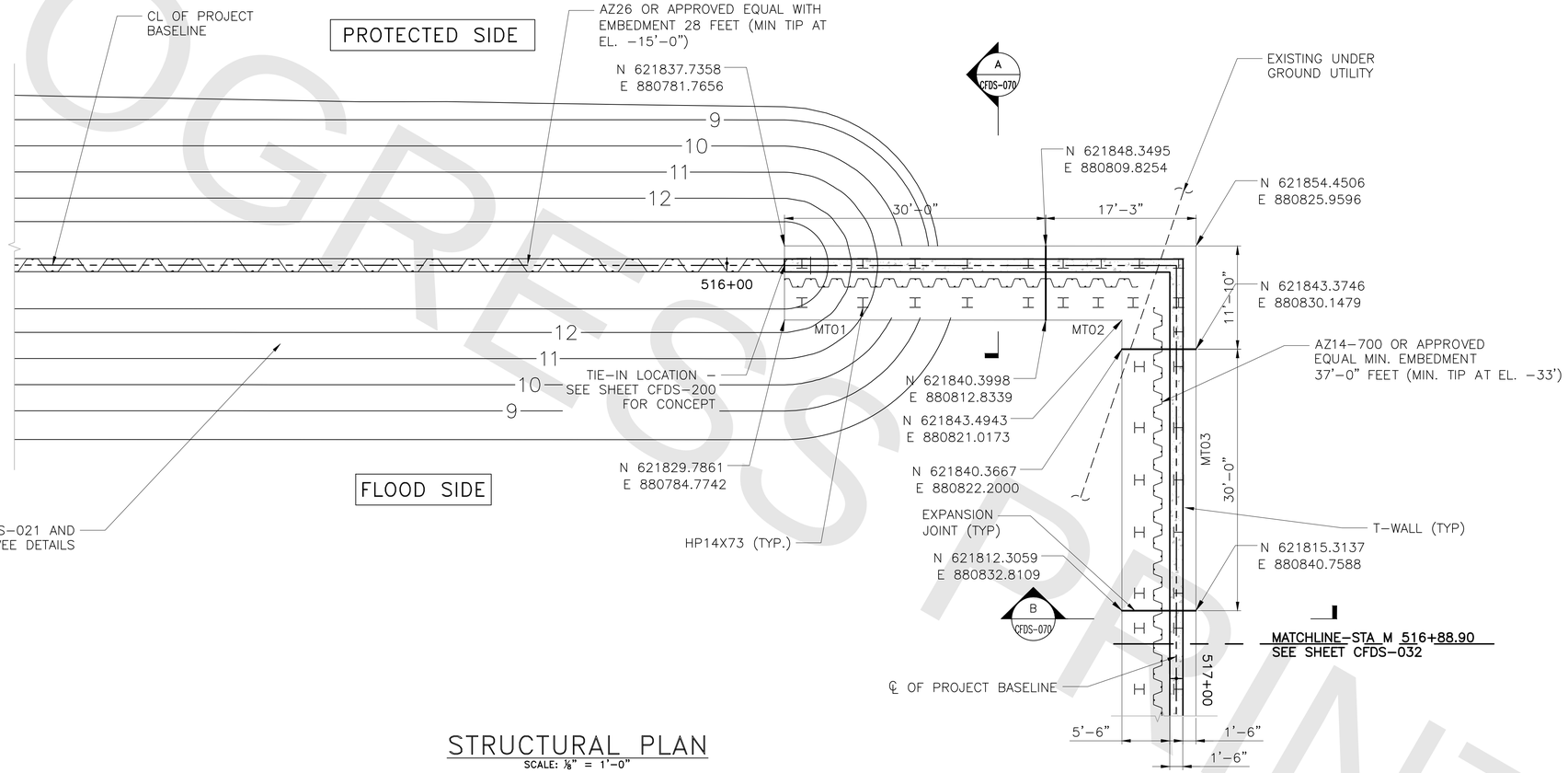
PROGRESS PRINTS



STRUCTURAL PLAN

SCALE: ⅛" = 1'−0"

NOTE:
1. UTILITY CROSSING DETAILS WILL BE DETAILED IN 90% DESIGN.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS FOUNDATION PLAN 1

PROJECT NO. 15-384
DRAWING NO. CFDS-031
SHEET NO. 01.22.031

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-031-38.dwg
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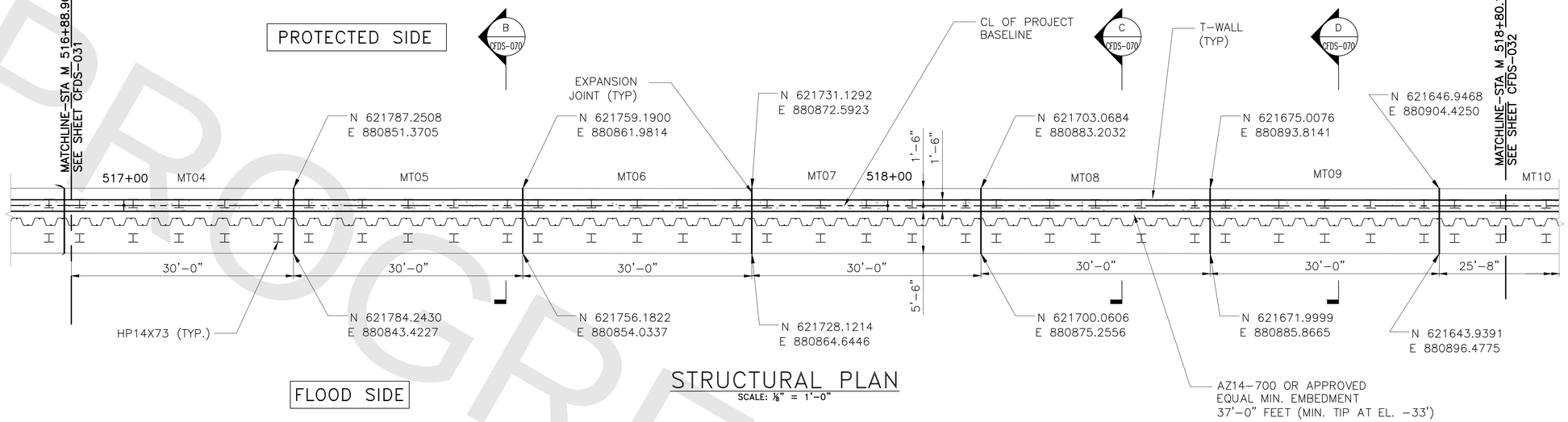
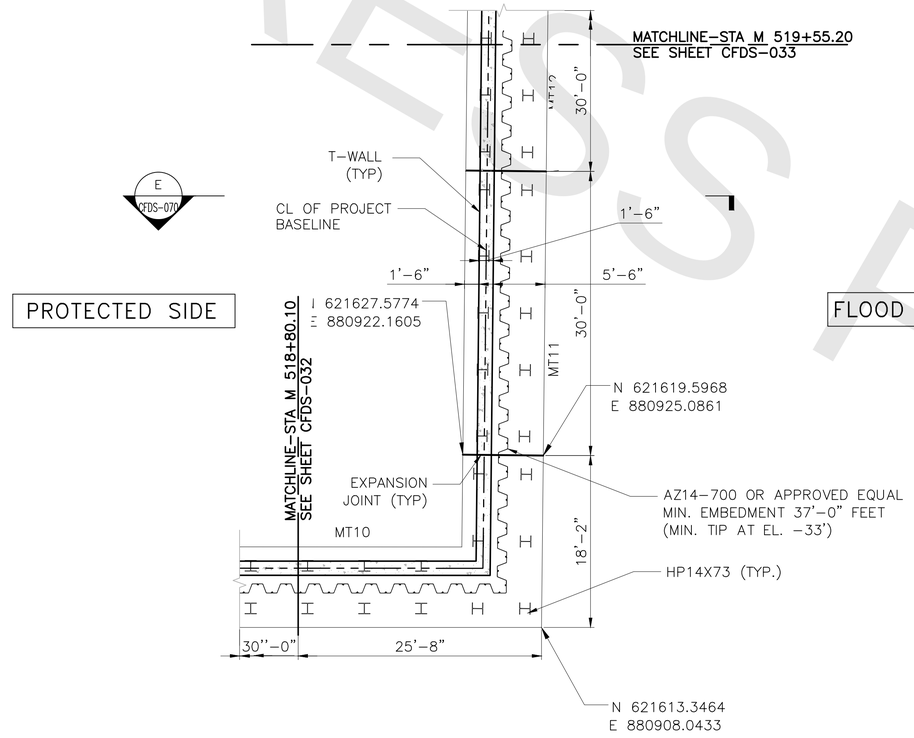


STRUCTURAL PLAN
SCALE: ⅛" = 1'–0"



STRUCTURAL PLAN
SCALE: ⅛" = 1'–0"

NOTE:
1. UTILITY CROSSING DETAILS WILL BE DETAILED IN 90% DESIGN.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS FOUNDATION PLAN 2
PROJECT NO. 15-384
DRAWING NO. CFDS-032
SHEET NO. 01.22.032

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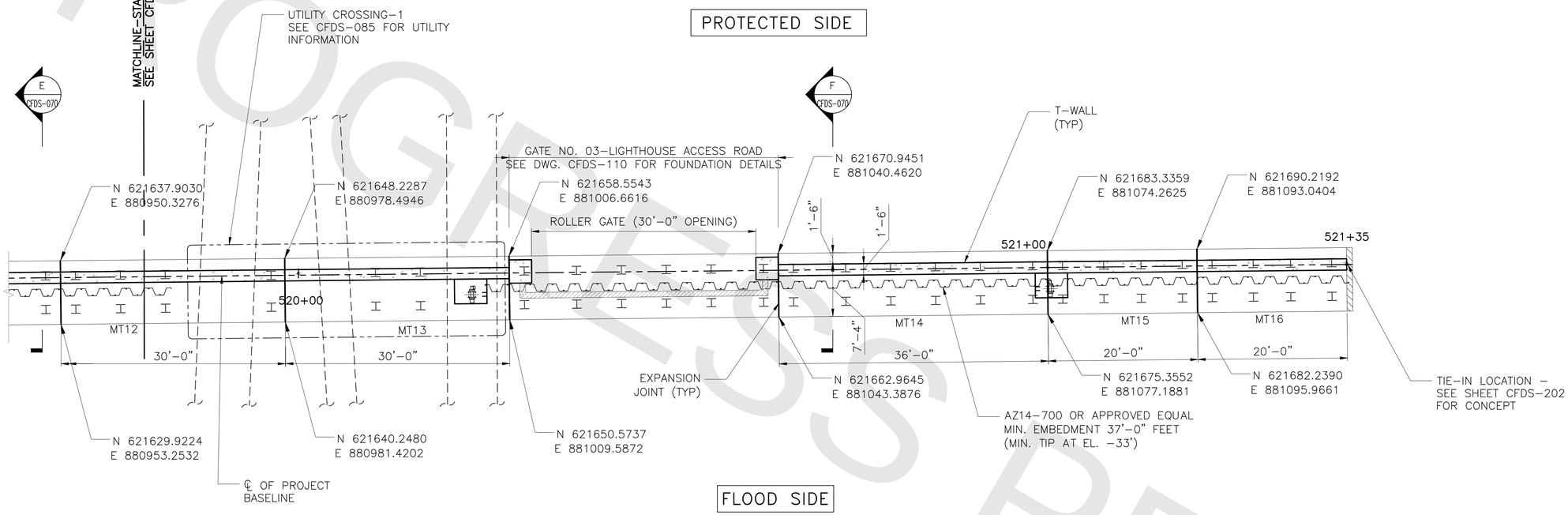
PROGRESS PRINTS



STRUCTURAL PLAN

SCALE: ⅛" = 1'–0"

NOTE:
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PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS FOUNDATION PLAN 3

PROJECT NO. 15-384

DRAWING NO. CFDS-033

SHEET NO. 01.22.033

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS–031–38.dwg
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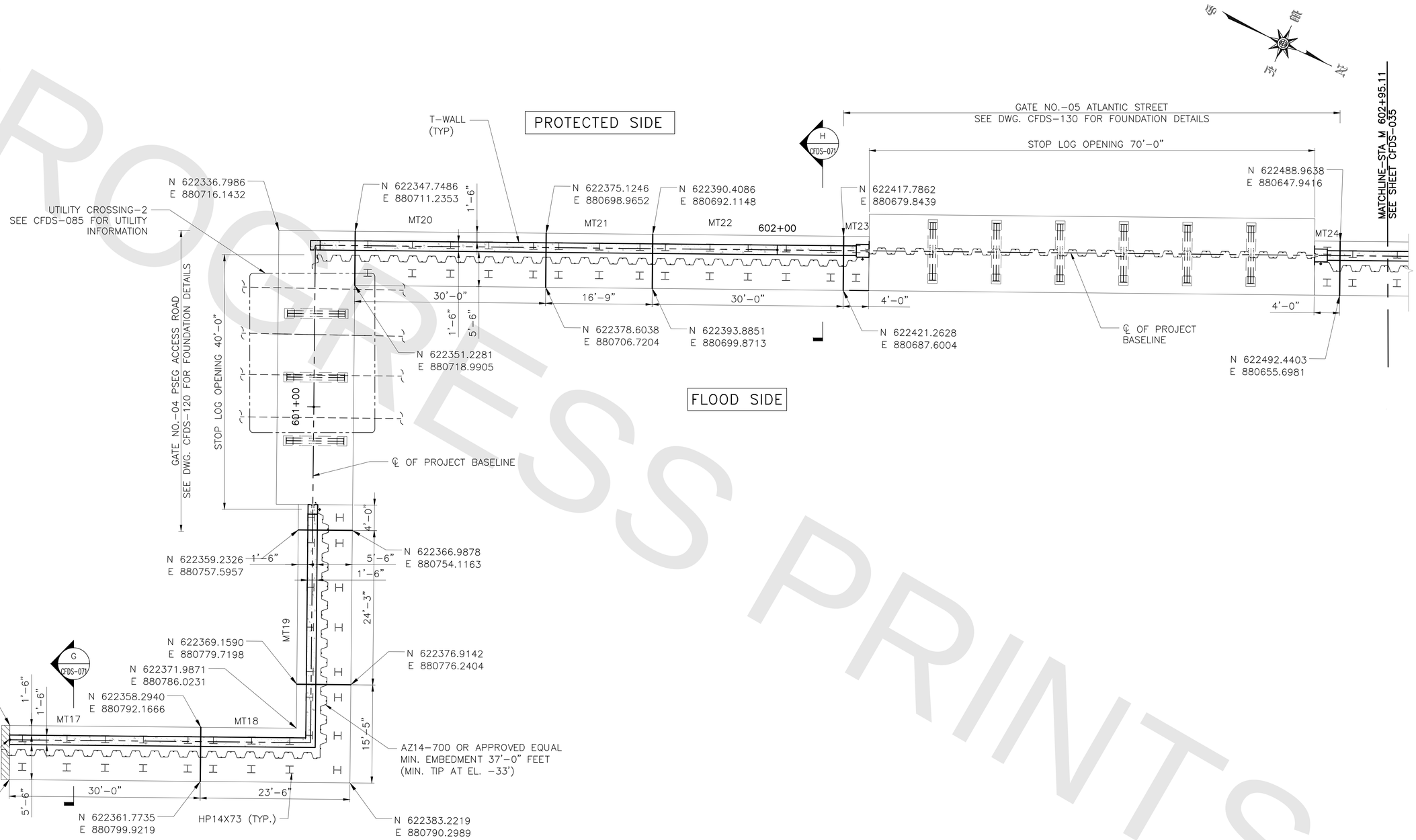
PROGRESS PRINTS

PROGRESS PRINTS



STRUCTURAL PLAN

SCALE: ⅛" = 1'-0"

NOTE:
1. UTILITY CROSSING DETAILS WILL BE DETAILED IN 90% DESIGN.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS FOUNDATION PLAN 4

PROJECT NO. 15-384
DRAWING NO. CFDS-034
SHEET NO. 01.22.034

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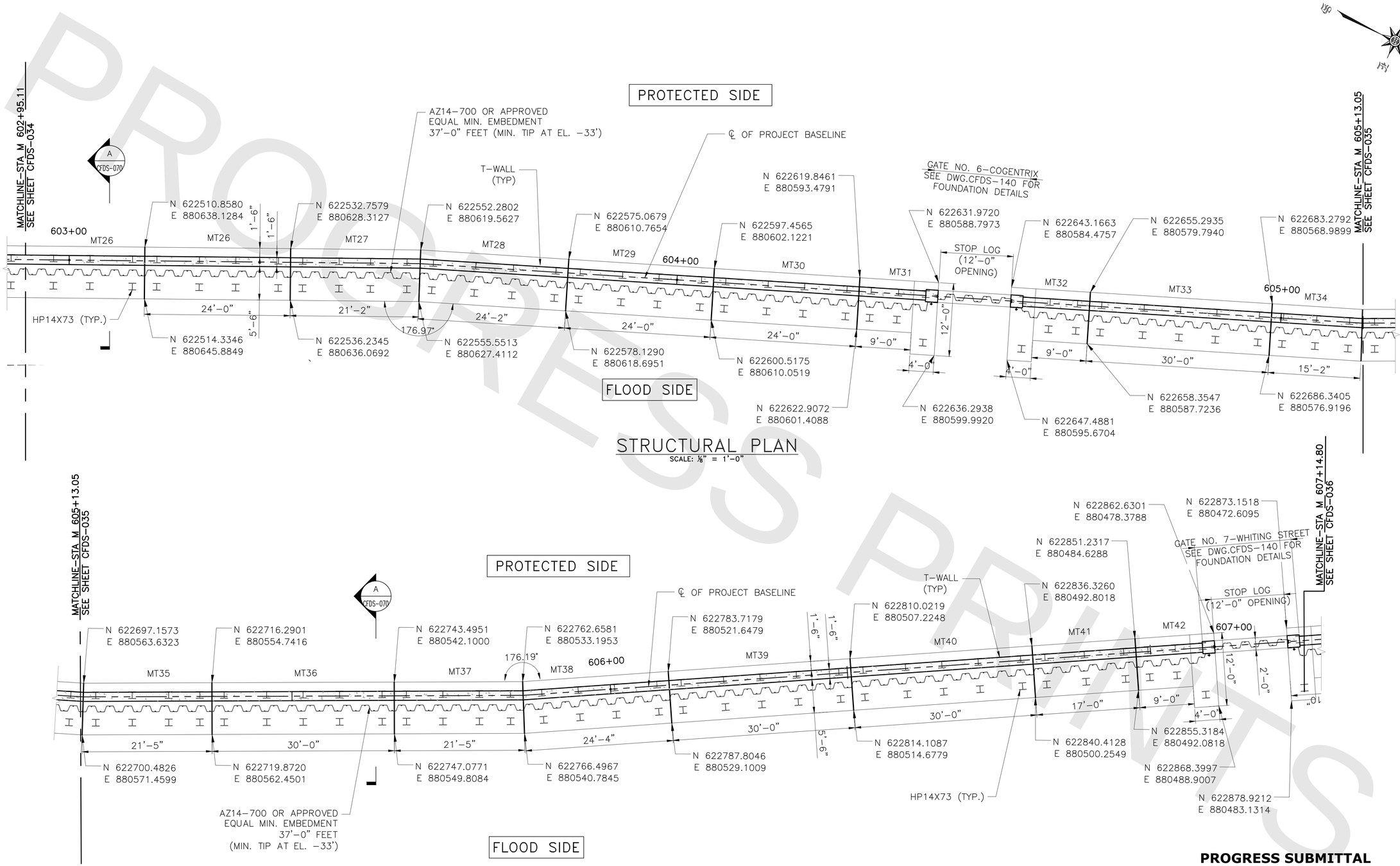

NOTE:
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PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS FOUNDATION PLAN 5

PROJECT NO. 15-384
DRAWING NO. CFDS-035
SHEET NO. 01.22.035

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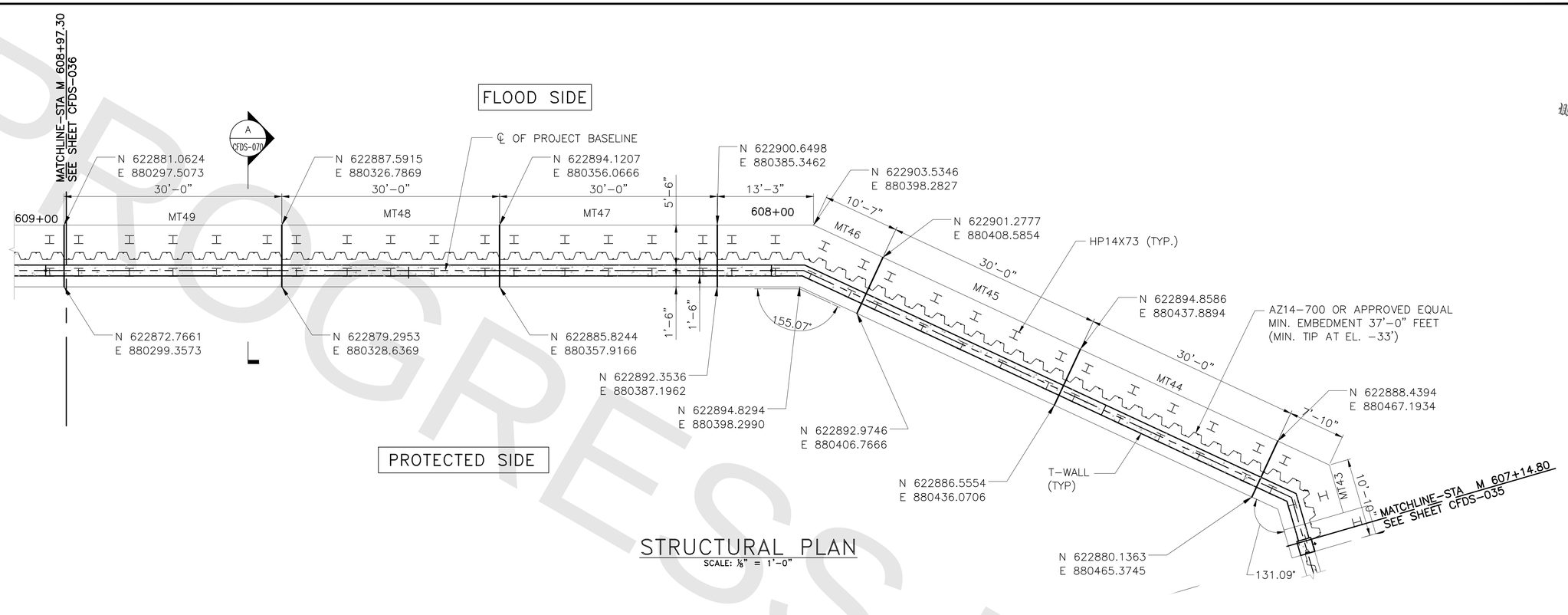

STRUCTURAL PLAN
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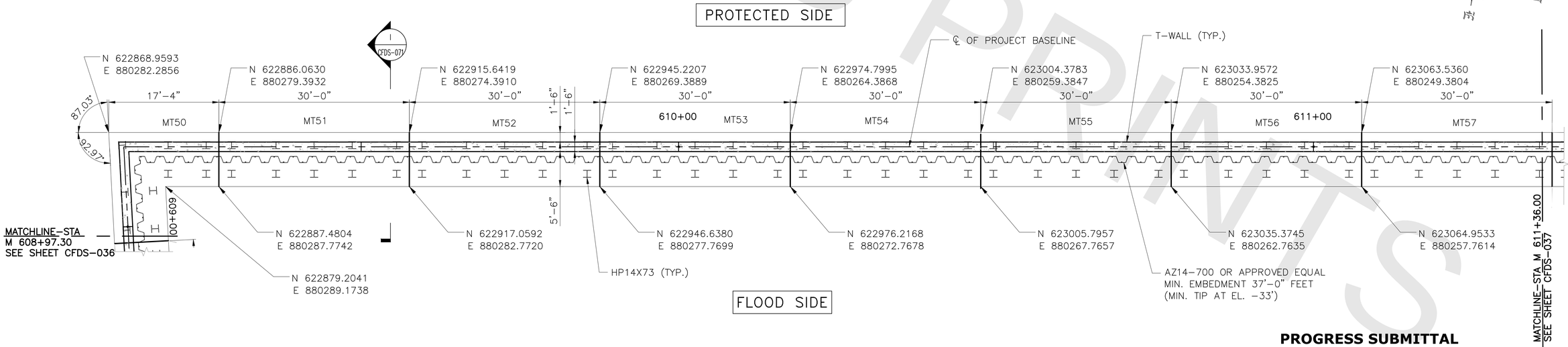

STRUCTURAL PLAN
SCALE: ⅛" = 1'–0"

NOTE:
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PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS FOUNDATION PLAN 6
PROJECT NO. 15-384
DRAWING NO. CFDS-036
SHEET NO. 01.22.036

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS–031–38.dwg
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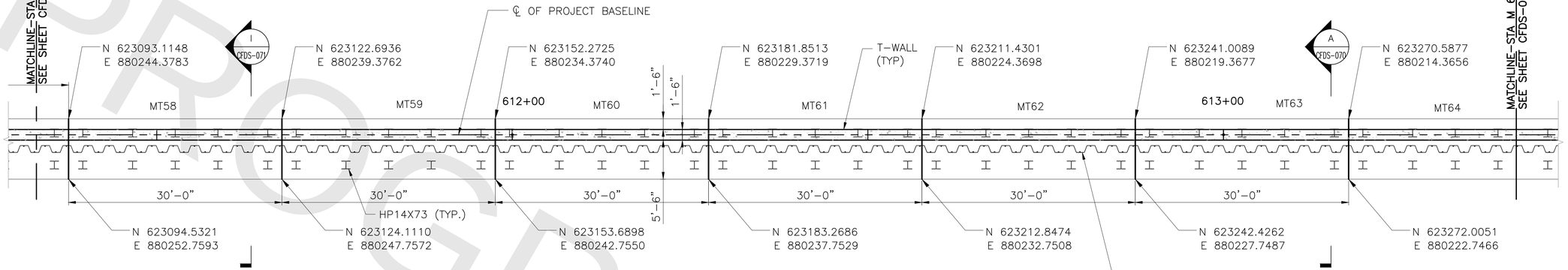
PROGRESS PRINTS

PROGRESS PRINTS

PROTECTED SIDE

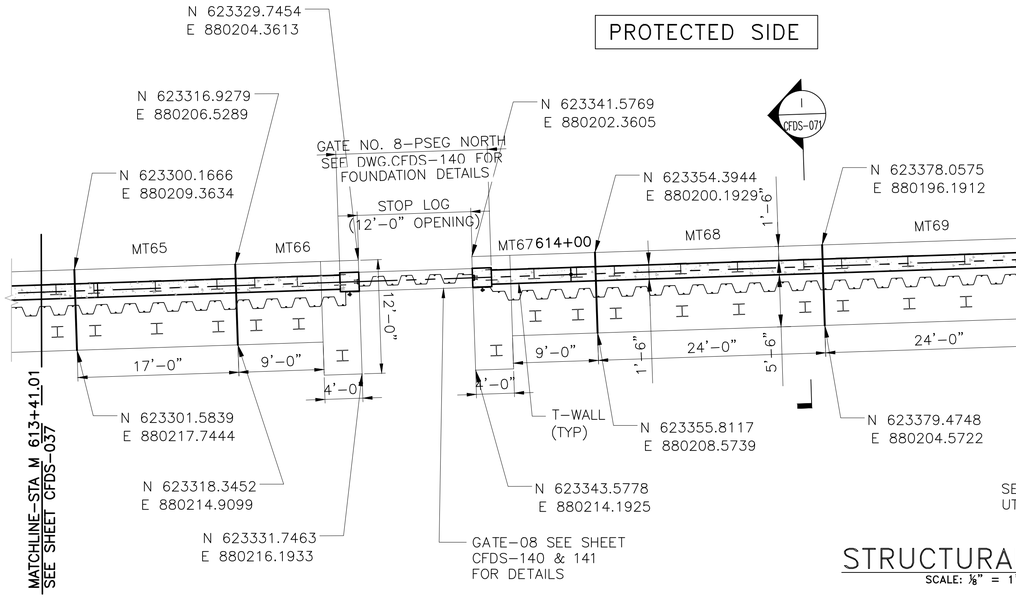


FLOOD SIDE

STRUCTURAL PLAN

SCALE: ⅛" = 1'–0"

PROTECTED SIDE



STRUCTURAL PLAN

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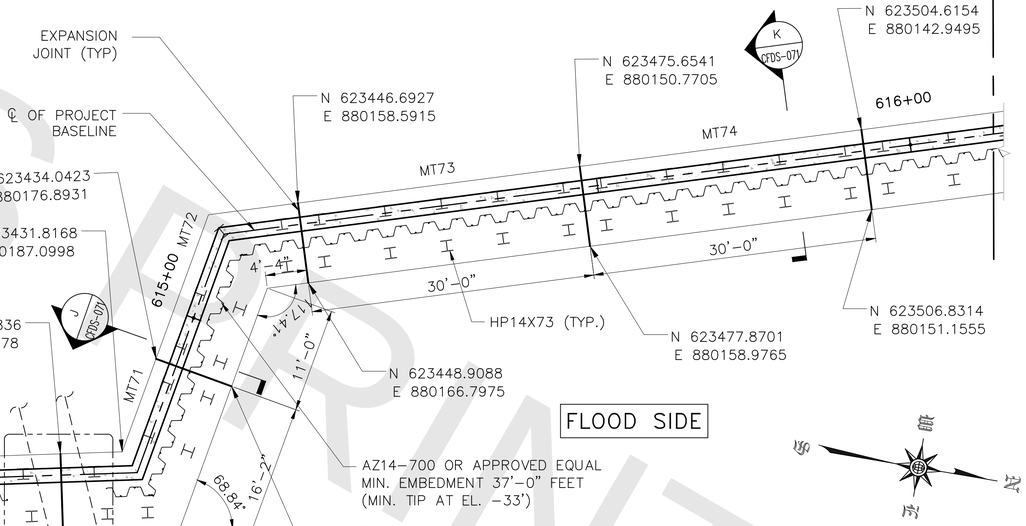

FLOOD SIDE

NOTE:
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PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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00	1/21/2022	90% PROGRESS SUBMITTAL

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS FOUNDATION PLAN 7

PROJECT NO. 15-384
DRAWING NO. CFDS-037
SHEET NO. 01.22.037

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-031-38.dwg
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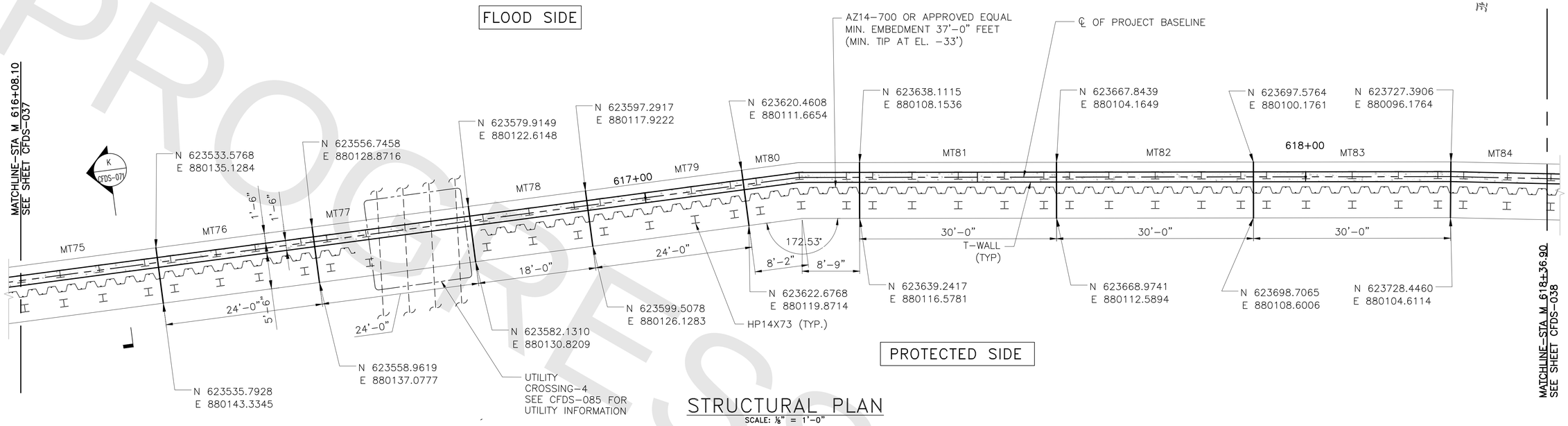
PROGRESS PRINTS



STRUCTURAL PLAN
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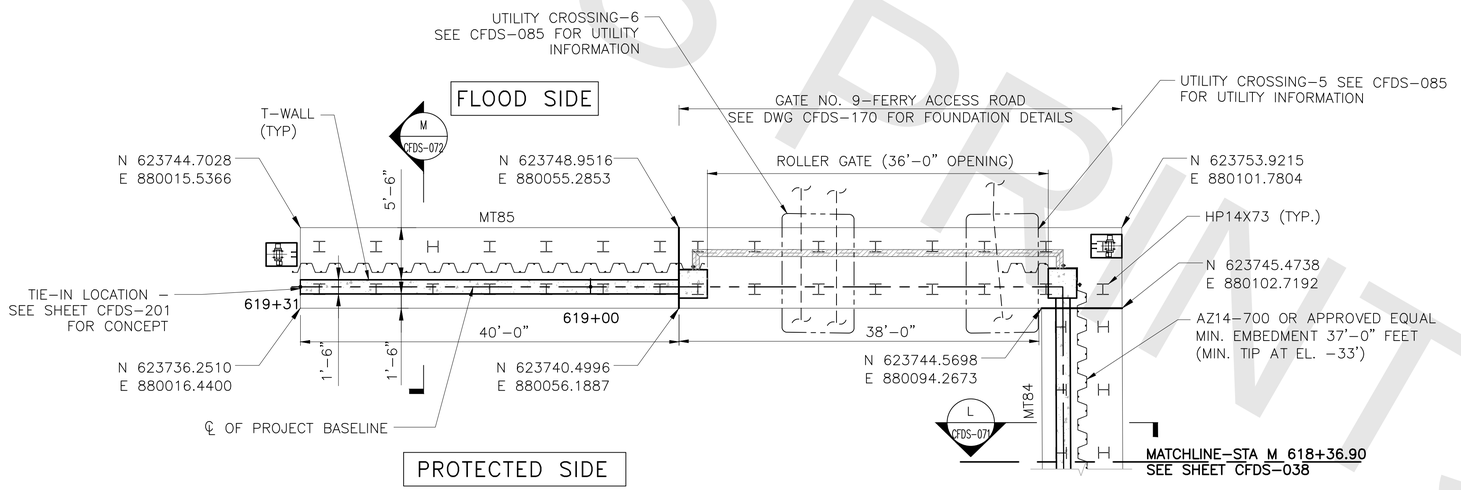

STRUCTURAL PLAN
SCALE: ⅛" = 1'–0"

NOTE:
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PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS FOUNDATION PLAN 8
PROJECT NO. 15-384
DRAWING NO. CFDS-038
SHEET NO. 01.22.038

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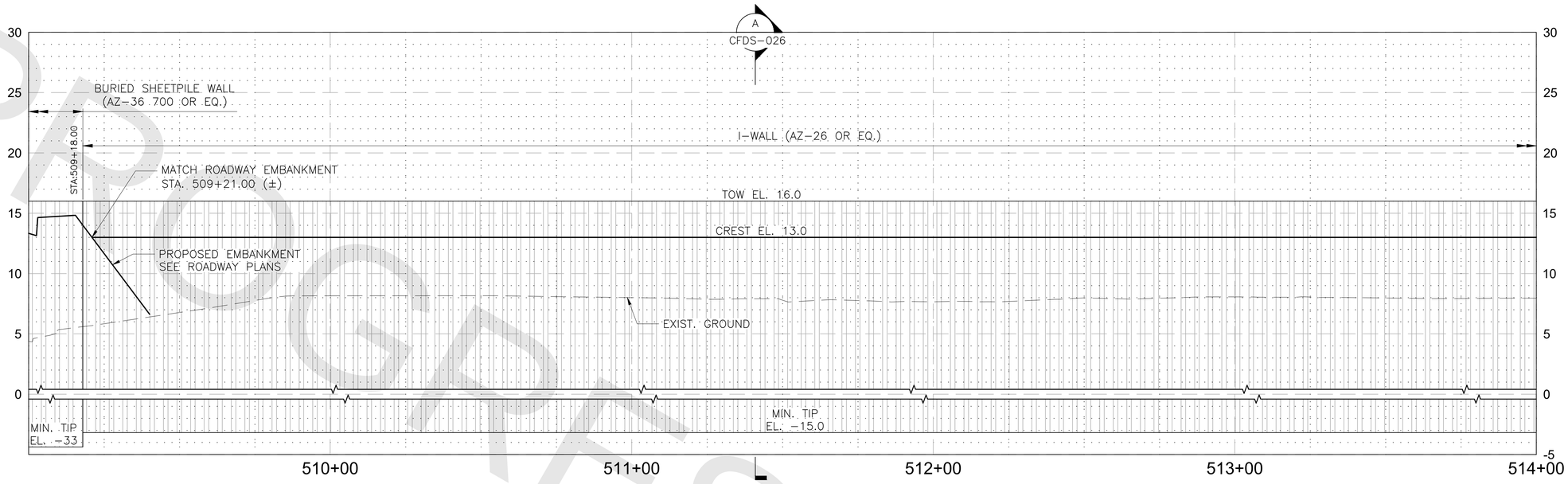

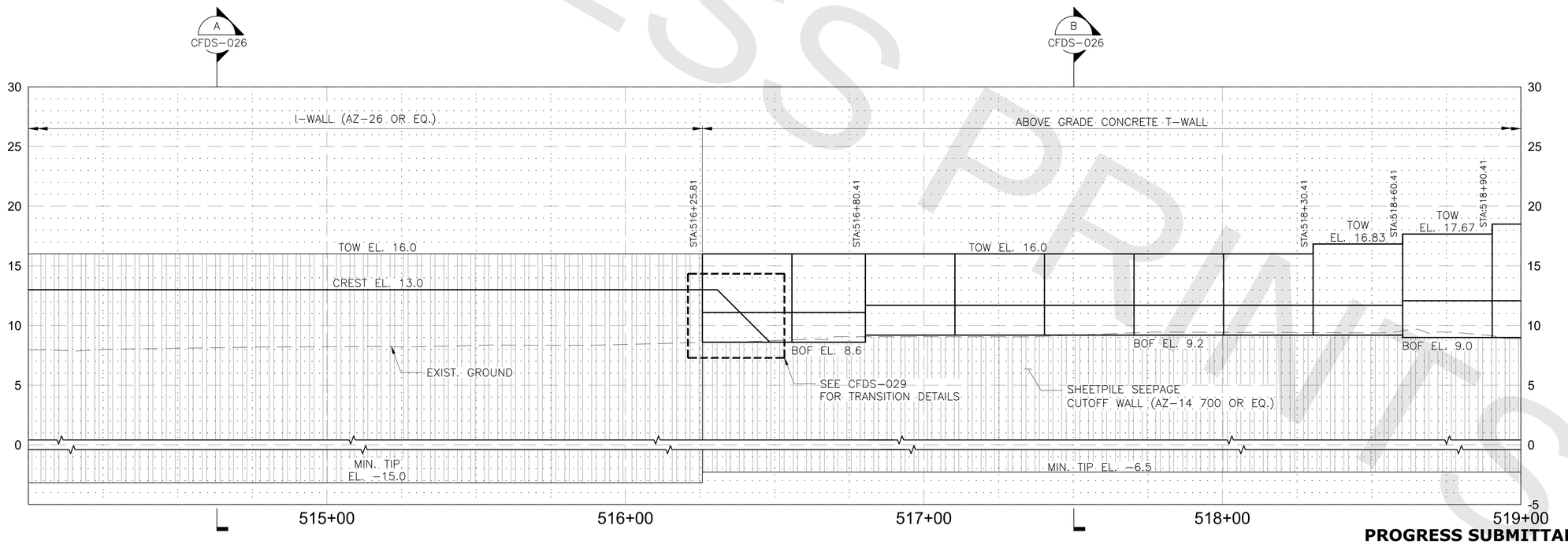

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	01/24/2022	~~90% PROGRESS SUBMITTAL~~

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SCALE IN FEET
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SCALE 1"=20'

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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS PROFILE - 1

PROJECT NO. 15-384

DRAWING NO. CFDS-040

SHEET NO. 01.22.040

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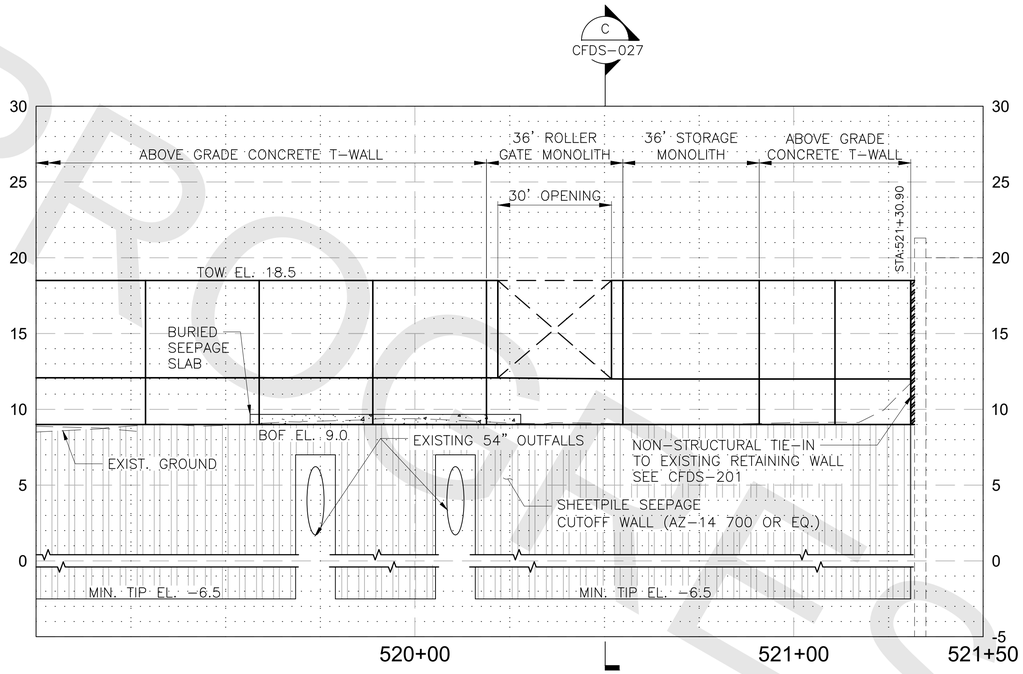

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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SCALE IN FEET
0 20 40
SCALE 1"=20'

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ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

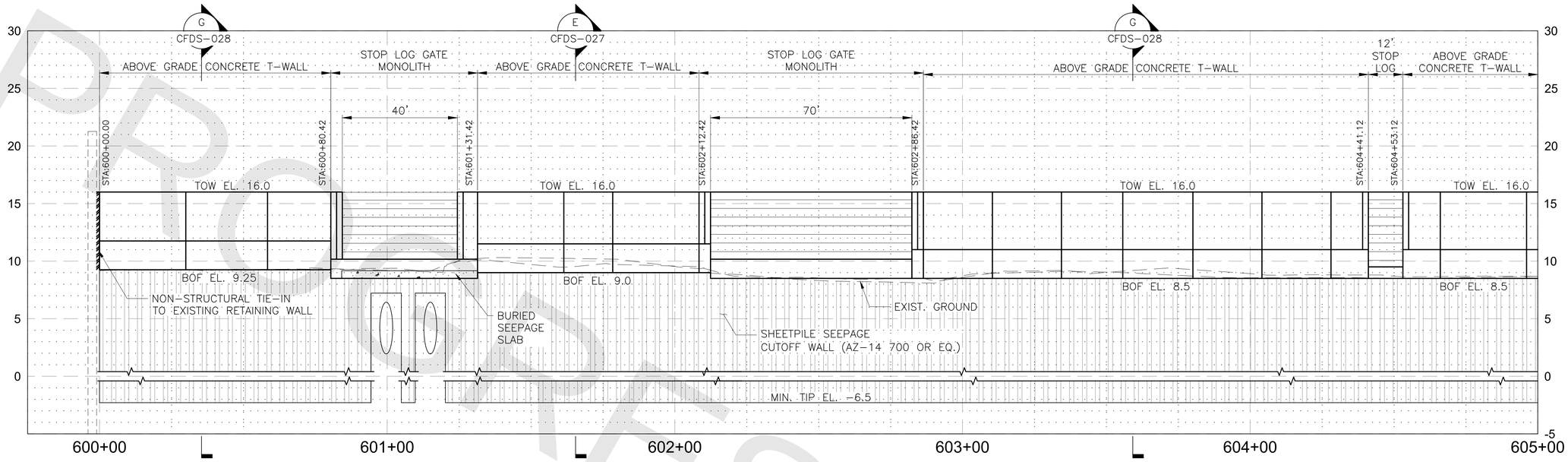
DRAWING TITLE: CFDS PROFILE - 2

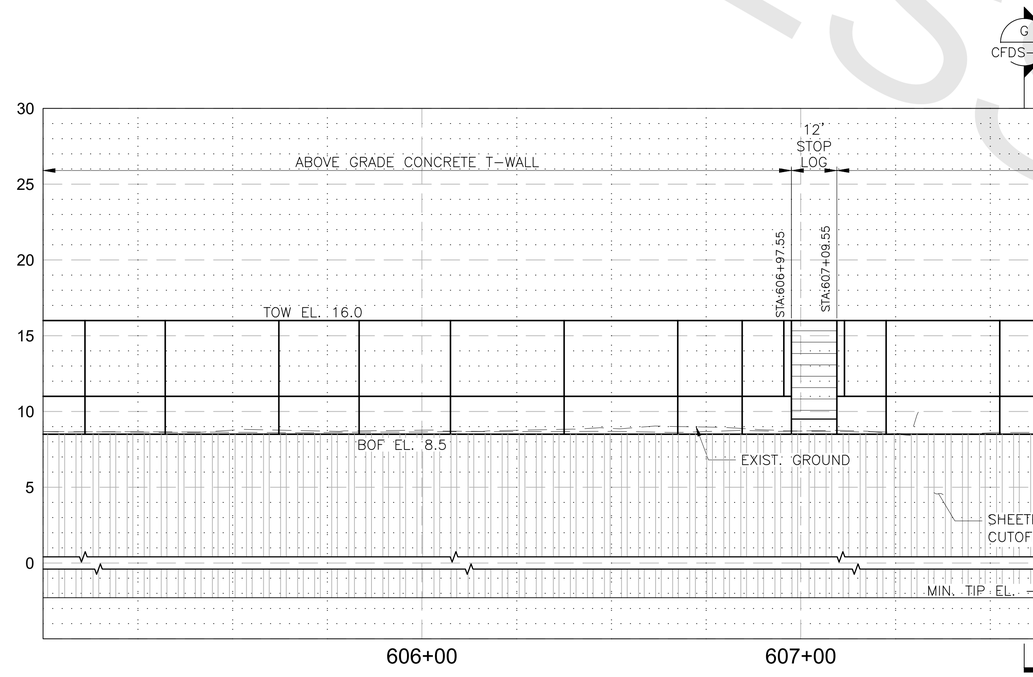
PROJECT NO. 15-384

DRAWING NO. CFDS-041

SHEET NO. 01.22.041

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Civil\CFDS-040 to CFDS-043.dwg
DATE/TIME = Jan 21, 2022 – 1:31pm





PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Civil\CFDS–040 to CFDS–043.dwg
DATE/TIME = Jan 21, 2022 – 1:31pm

REV.	DATE	REVISION DESCRIPTION
00	01/24/2022	~~90% PROGRESS SUBMITTAL~~

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DESIGNER/DRAFTER: -
CHECKED BY: -
SCALE IN FEET 0 20 40
SCALE 1"=20'

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

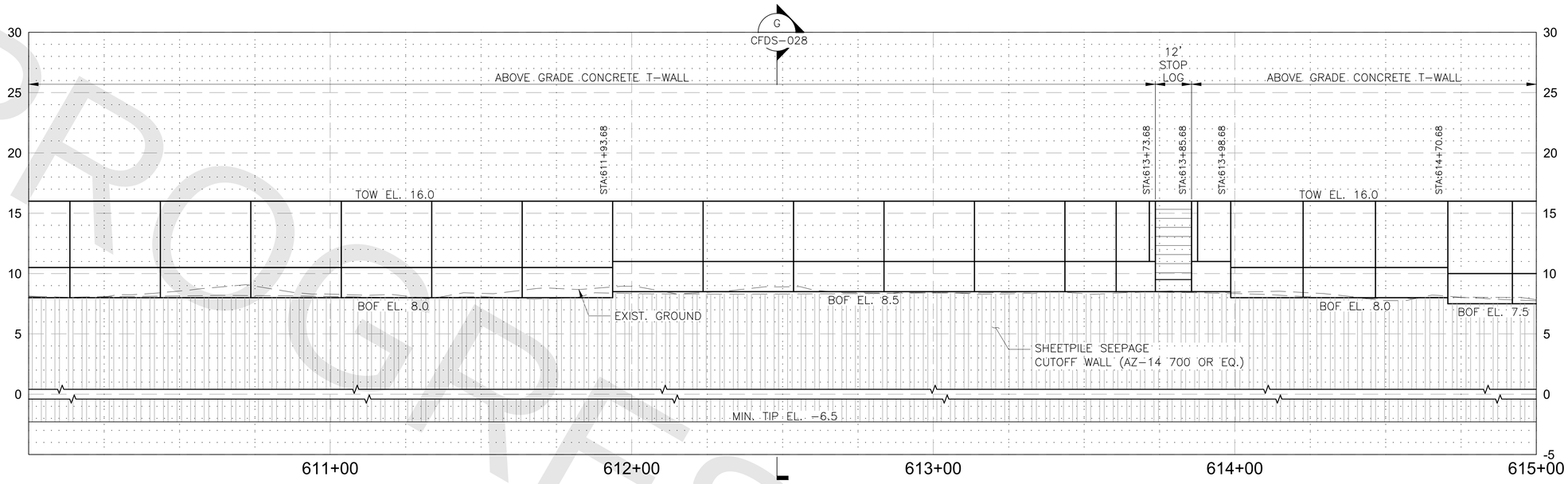
SIGNATURE/ BLOCK:

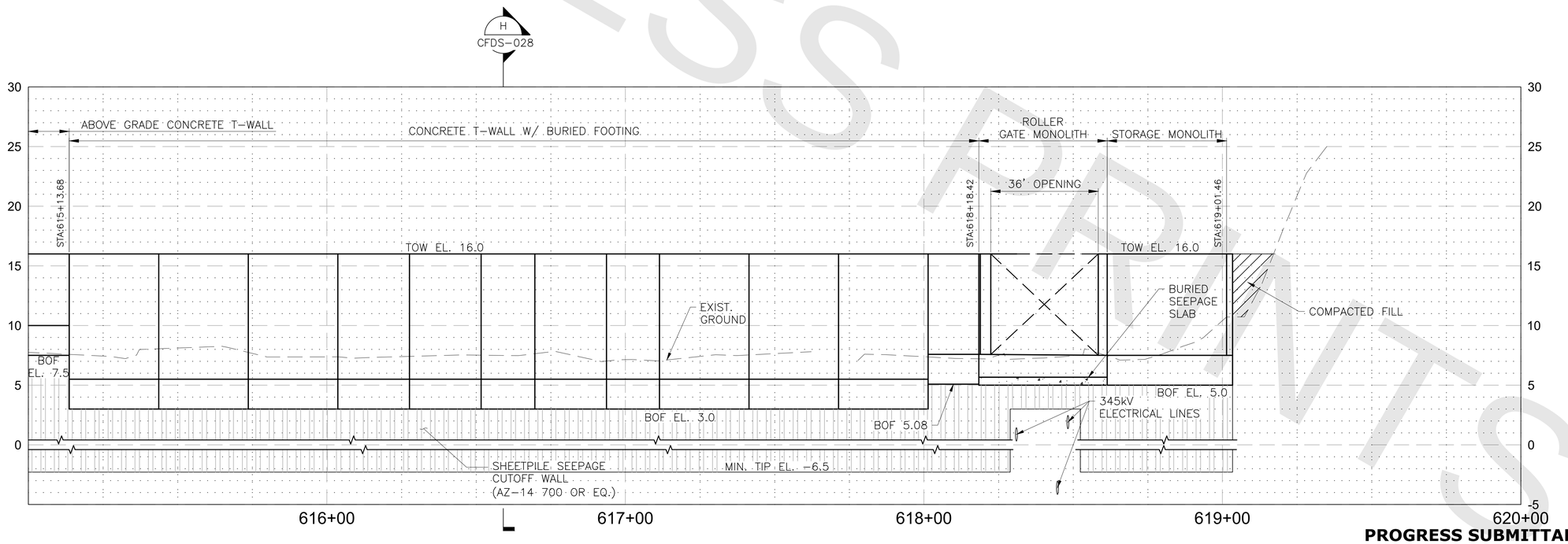
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS PROFILE - 3

PROJECT NO. 15-384
DRAWING NO. CFDS-042
SHEET NO. 01.22.042





PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	01/24/2022	90% PROGRESS SUBMITTAL

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DESIGNER/DRAFTER: -
CHECKED BY: -
SCALE IN FEET 0 20 40
SCALE 1"=20'

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2200 Prytania St. New Orleans, LA

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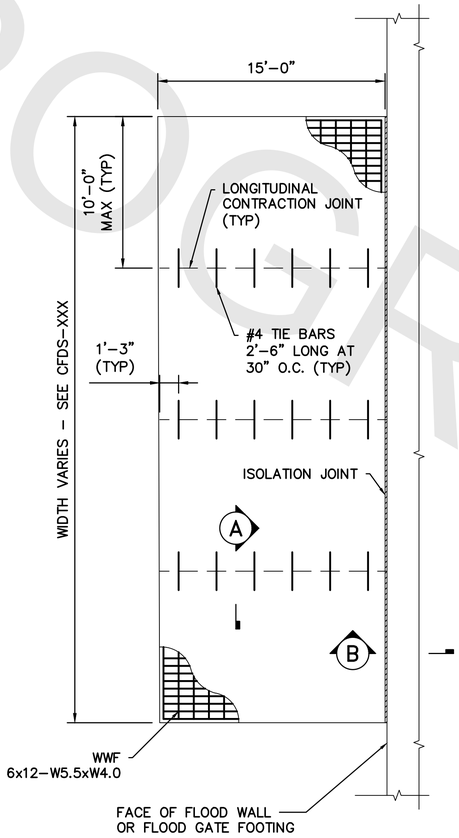
PROJECT TITLE: **FLOOD RISK REDUCTION PROGRAM**

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS PROFILE - 4

PROJECT NO. 15-384
DRAWING NO. CFDS-043
SHEET NO. 01.22.043

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-040 to CFDS-043.dwg
DATE/TIME = Jan 21, 2022 - 1:31pm

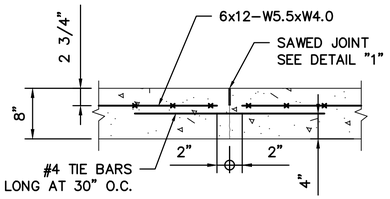


SEEPAGE SLAB JOINTING PLAN

SCALE: 1" = 5'-0"

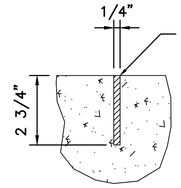
NOTE:

CONCRETE SEEPAGE SLAB SHALL BE A SINGLE POUR. NO FULL DEPTH JOINTS WITHIN THE SLAB SHALL BE PERMITTED.



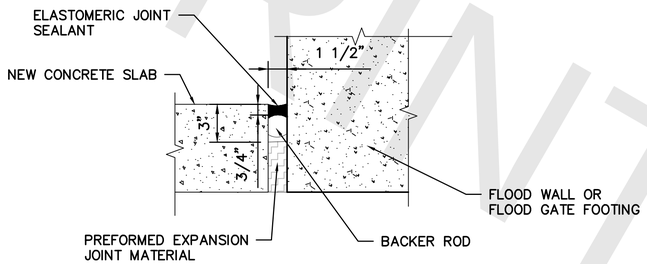
A SECTION - LONGITUDINAL CONTRACTION JOINT

SCALE: N.T.S.



1 SAWED JOINT DETAIL

SCALE: N.T.S.



B SECTION - ISOLATION JOINT

SCALE: N.T.S.

NOTE: REINFORCEMENT NOT SHOWN FOR CLARITY

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	01/24/2022	90% PROGRESS SUBMITTAL

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DESIGNER/DRAFTER: -

CHECKED BY: -

SCALE IN FEET 0 5 10

SCALE 1"=5'

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS SEEPAGE SLAB JOINT DETAILS

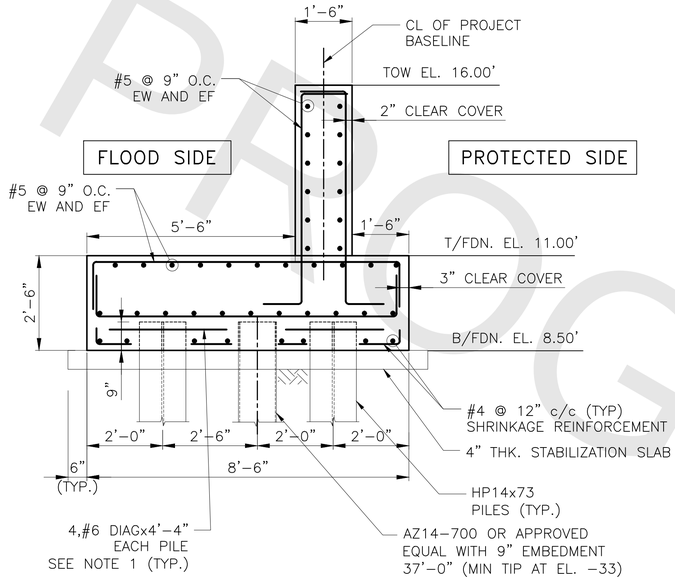
PROJECT NO. 15-384

DRAWING NO. CFDS-045

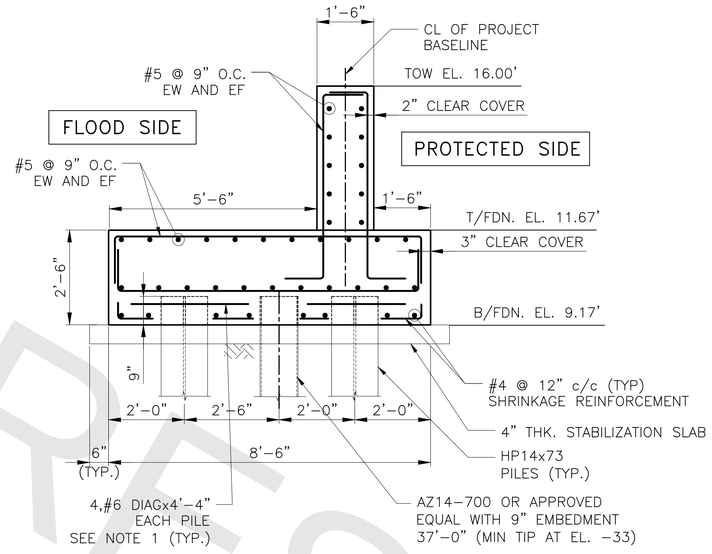
SHEET NO. 01.22.029

FILE NAME = C:\Users\gkeller\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Civil\CFDS-045.dwg
DATE/TIME = Jan 21, 2022 - 1:31pm

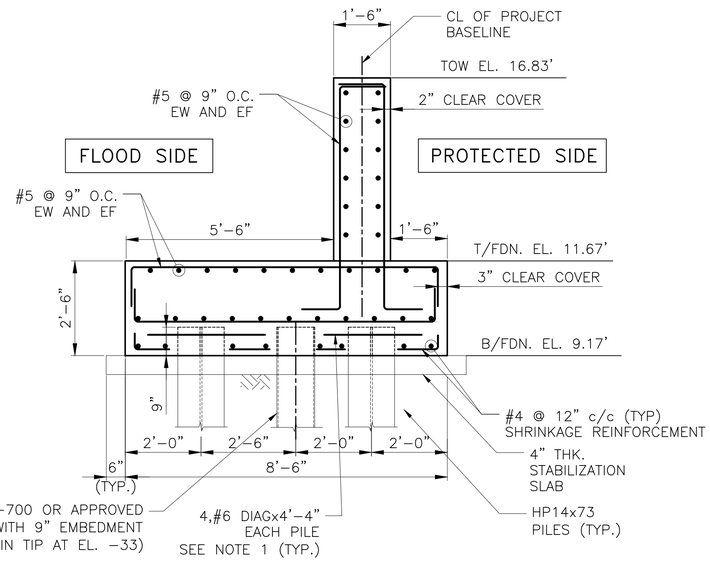
PROGRESS PRINTS



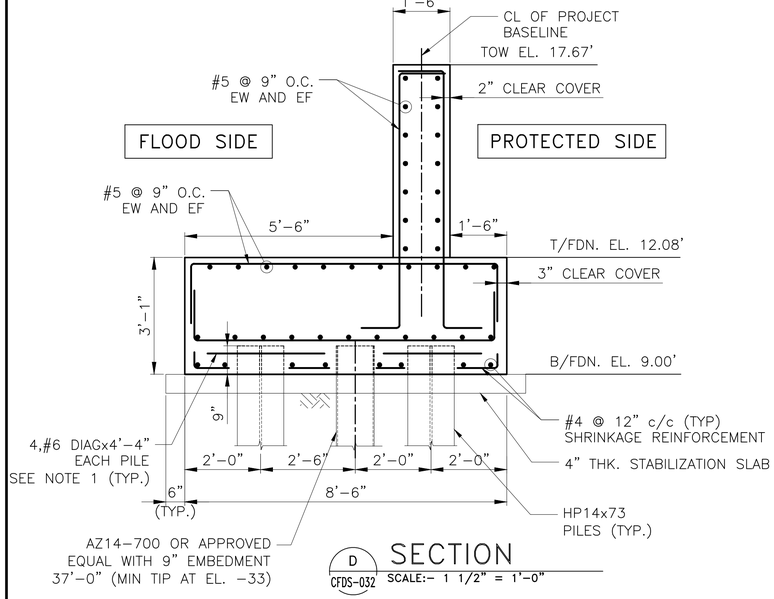
A SECTION
CFDS-031, CFDS-035 THRU -037
SCALE:- 1 1/2" = 1'-0"



B SECTION
CFDS-031, CFDS-032
SCALE:- 1 1/2" = 1'-0"



C SECTION
CFDS-032
SCALE:- 1 1/2" = 1'-0"



D SECTION
CFDS-032
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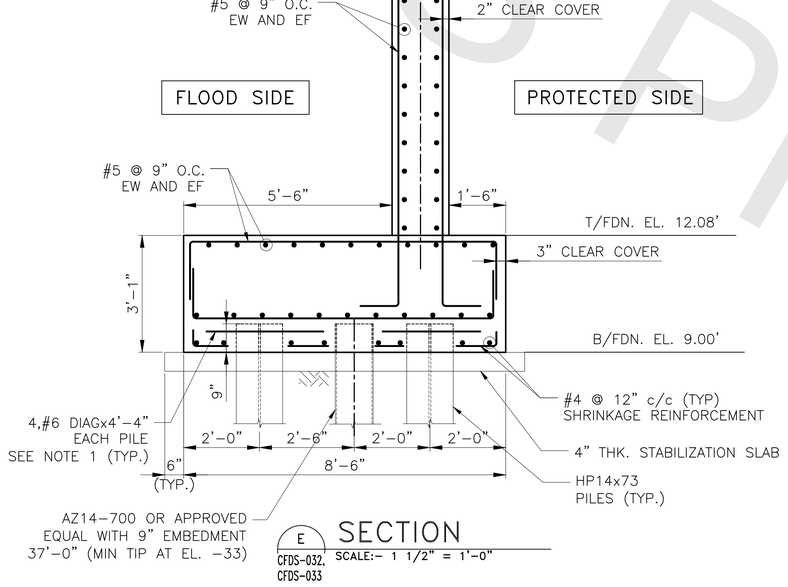
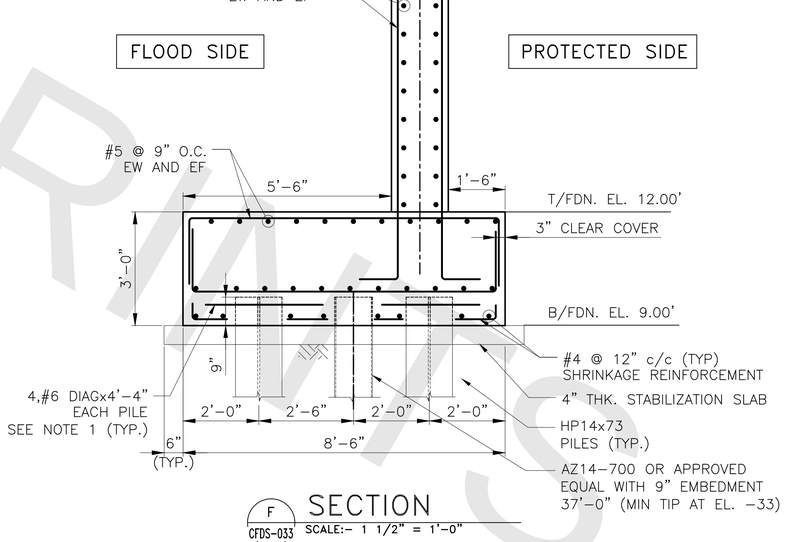


E SECTION
CFDS-032, CFDS-033
SCALE:- 1 1/2" = 1'-0"



F SECTION
CFDS-033
SCALE:- 1 1/2" = 1'-0"

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

NOTES:

1. FOR TEMPERATURE AND SHRINKAGE REINF. DETAIL SEE DWG. CFDS-111.

PROGRESS PRINTS

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-070.dwg
DATE/TIME = Jan 21, 2022 - 3:33pm

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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DESIGNER/DRAFTER: -
CHECKED BY: -

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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

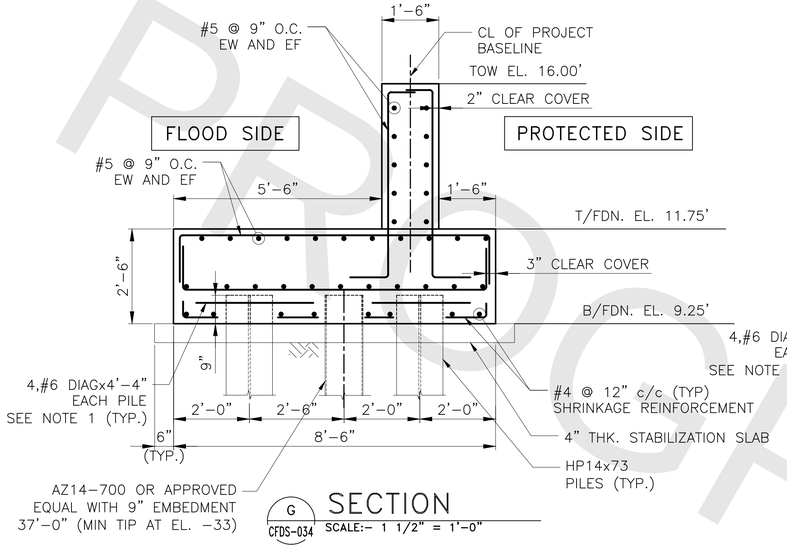
ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

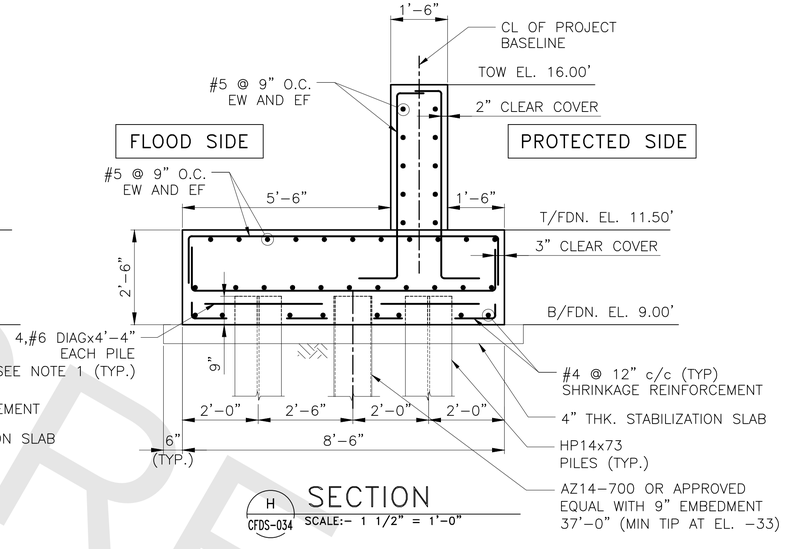
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS TYPICAL SECTIONS 1

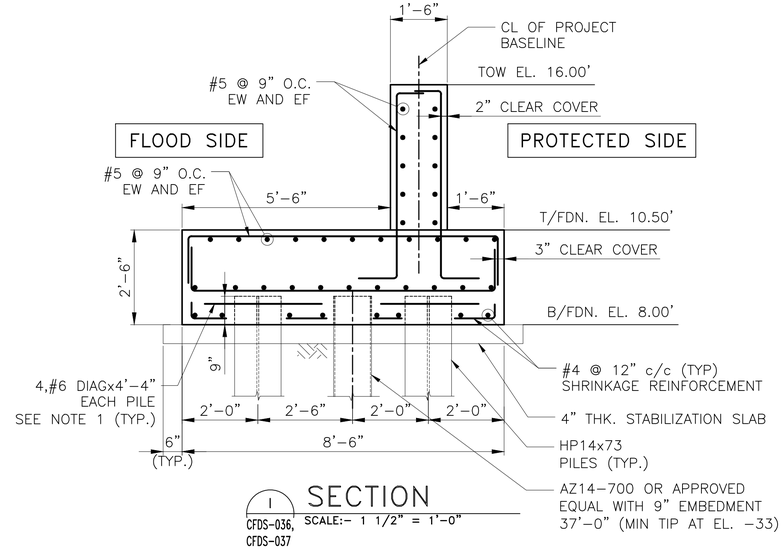
PROJECT NO. 15-384
DRAWING NO. CFDS-070
SHEET NO. 01.22.070



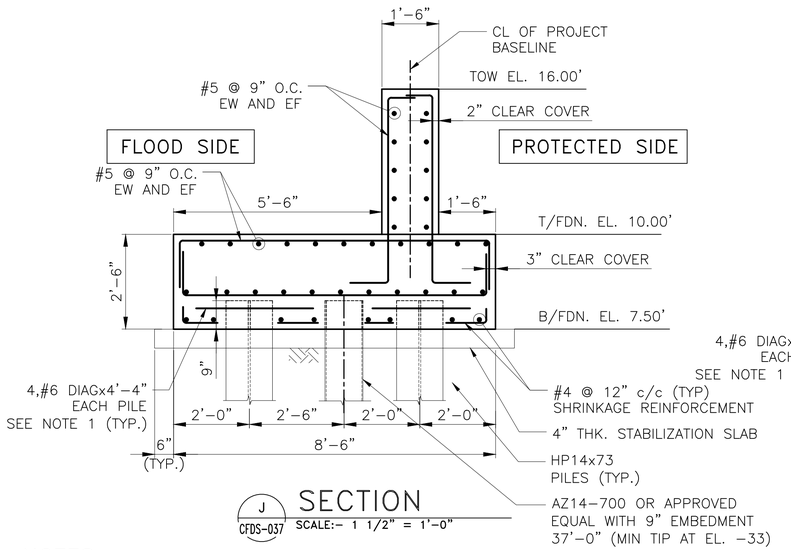
G SECTION
CFDS-034 SCALE:- 1 1/2" = 1'-0"



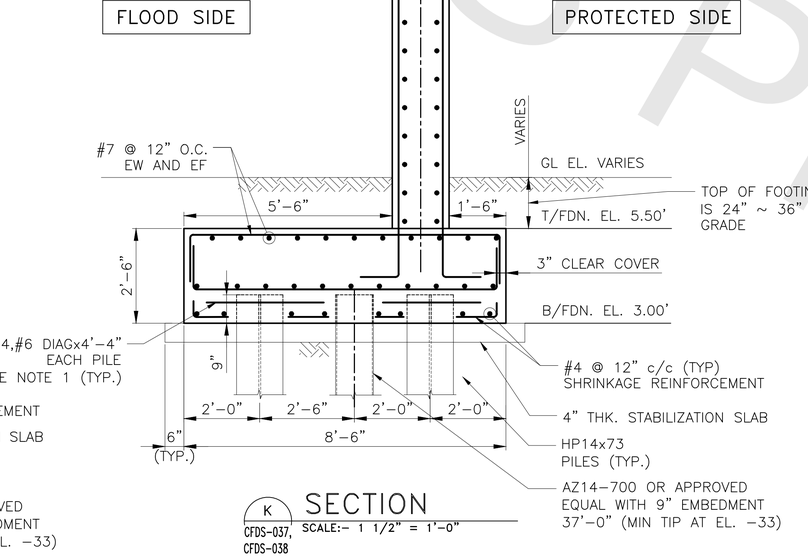
H SECTION
CFDS-034 SCALE:- 1 1/2" = 1'-0"



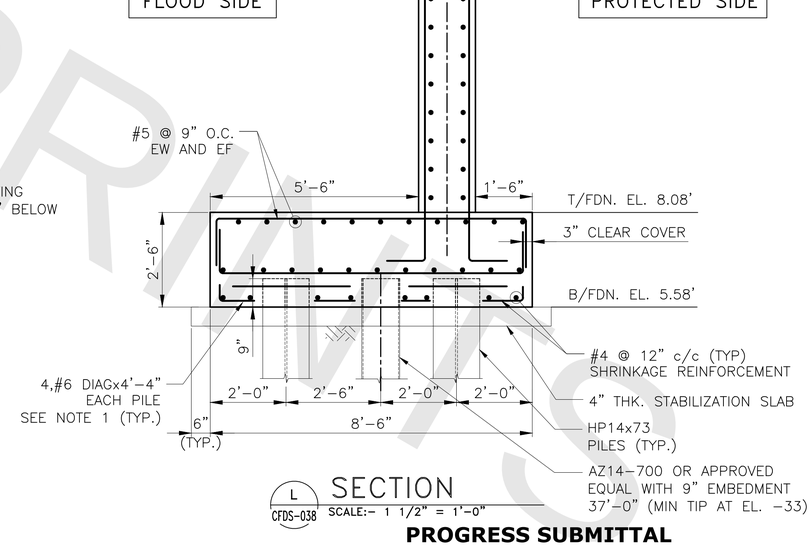
I SECTION
CFDS-036, CFDS-037 SCALE:- 1 1/2" = 1'-0"



J SECTION
CFDS-037 SCALE:- 1 1/2" = 1'-0"



K SECTION
CFDS-037, CFDS-038 SCALE:- 1 1/2" = 1'-0"



L SECTION
CFDS-038 SCALE:- 1 1/2" = 1'-0"

NOTES:

1. FOR TEMPERATURE AND SHRINKAGE REINF. DETAIL SEE DWG. CFDS-111.

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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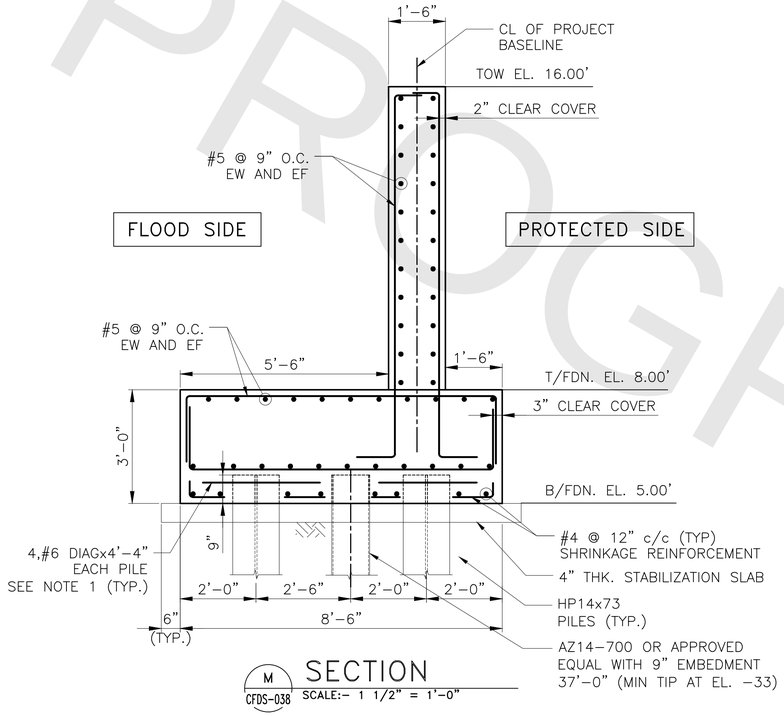
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS TYPICAL SECTIONS 2

PROJECT NO. 15-384
DRAWING NO. CFDS-071
SHEET NO. 01.22.071

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-071-072.dwg
DATE/TIME = Jan 21, 2022 - 3:33pm



M CFDS-038 SECTION
SCALE:- 1 1/2" = 1'-0"

NOTES:
1. FOR TEMPERATURE AND SHRINKAGE REINF. DETAIL SEE DWG. CFDS-111.

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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ARCADIS
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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: CFDS TYPICAL SECTIONS 3

PROJECT NO. 15-384
DRAWING NO. CFDS-072
SHEET NO. 01.22.072

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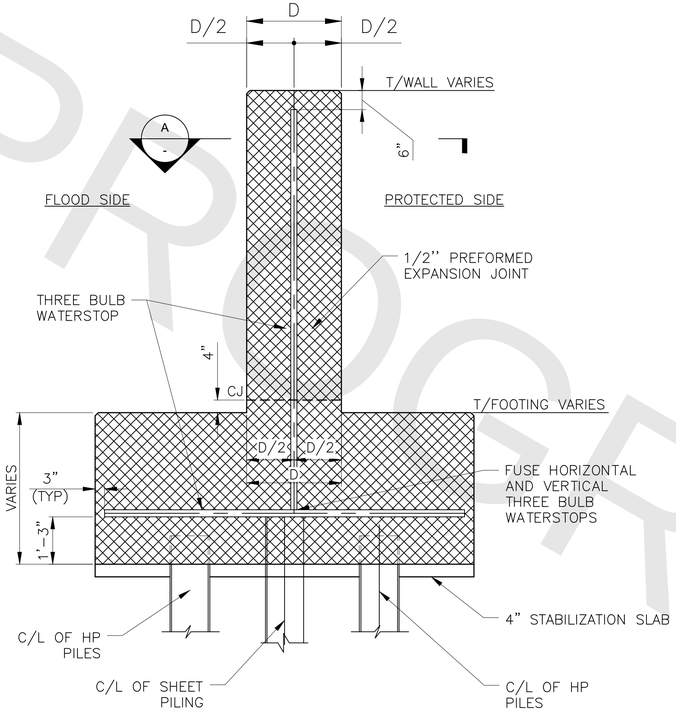
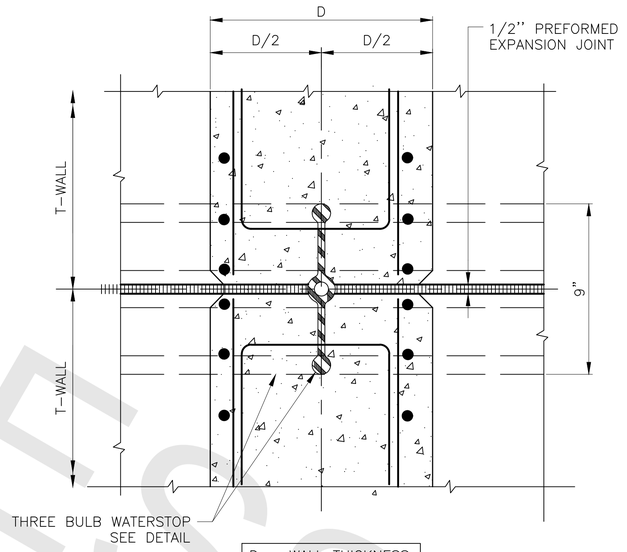


T-WALL JOINT

SCALE: ½" = 1'-0"

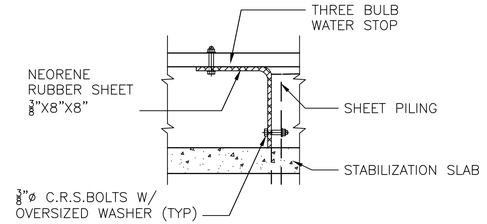


D = WALL THICKNESS

FOR WALL THICKNESS REF CFDS-070 AND CFDS-071.

A — SECTION

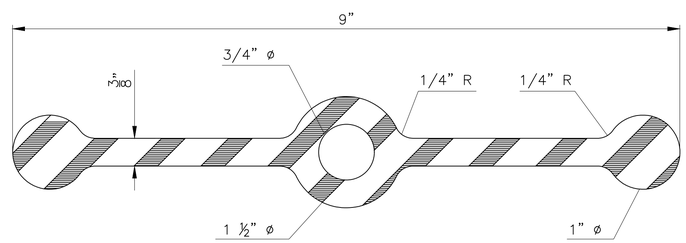
SCALE:- 3" = 1'-0"



SHEETPILE INTERLOCK
ALLIGNED WITH THE WALL JOINT

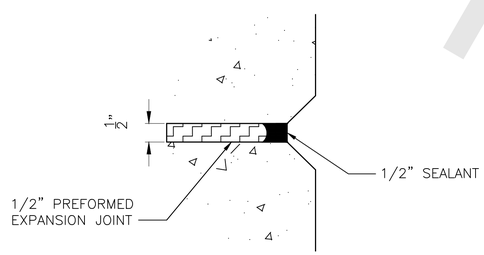
1 — DETAIL

SCALE:- 6" = 1'-0"

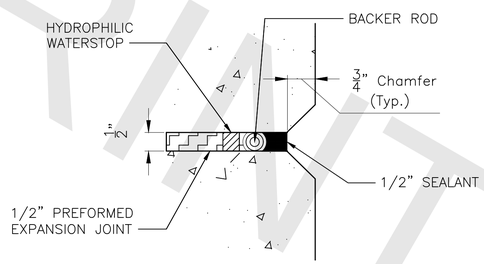


THREE BULB WATERSTOP

NOT TO SCALE



DRY CONDITION



WET CONDITION

WATERSTOP-DETAIL

SCALE: 6" = 1'-0"

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: TYPICAL WATERSTOP DETAILS 1

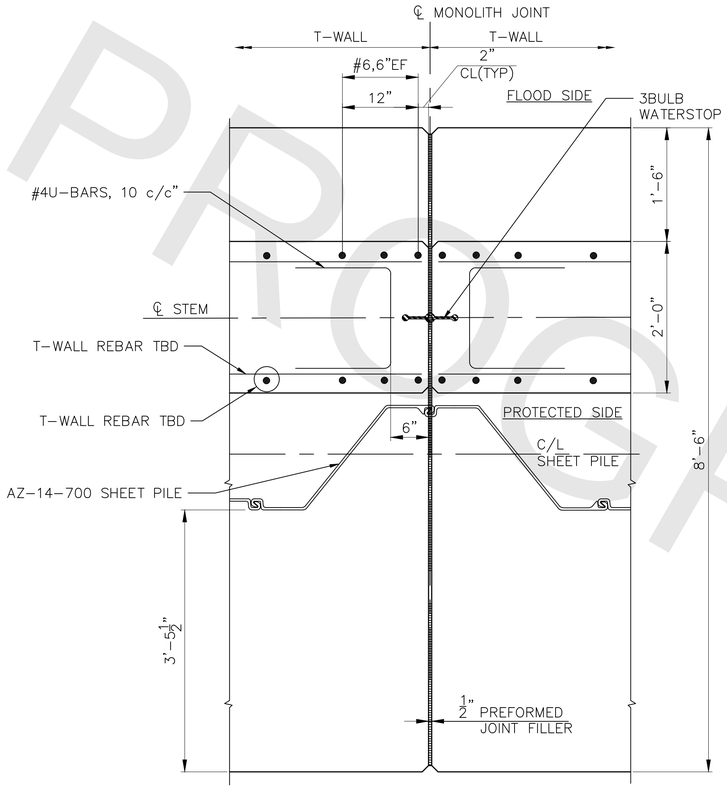
PROJECT NO. 15-384

DRAWING NO. CFDS-080

SHEET NO. 01.22.080

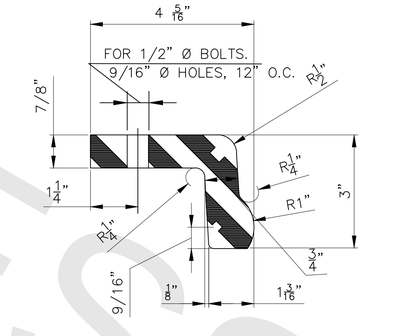
FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-080.dwg
DATE/TIME = Jan 21, 2022 - 3:33pm

PROGRESS PRINTS



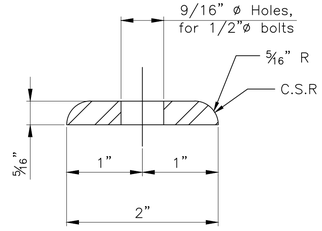
TYPICAL REINFORCEMENT AT MONOLITH JOINTS

SCALE: 1½" = 1'–0"



1 — "L" TYPE WATERSTOP

SCALE:– 6" = 1'–0"



2 — SEAL RETAINING BAR

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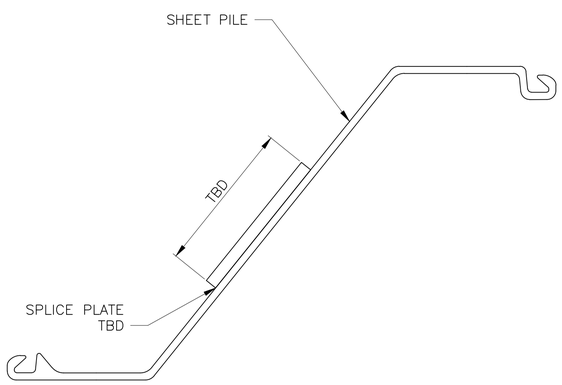
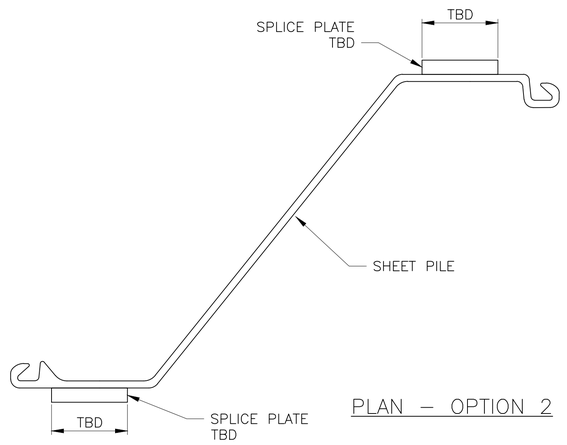


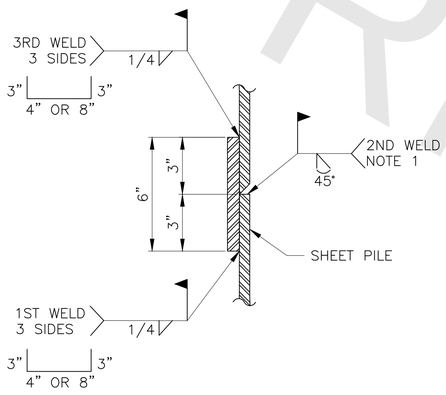
PLAN – OPTION 1



PLAN – OPTION 2

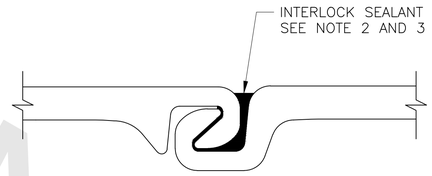
SHEET PILE SPLICE DETAILS

SCALE: 3" = 1'–0"



B — SECTION

SCALE:– 3" = 1'–0"



SHEET PILE SEALANT DETAIL

NOT TO SCALE

NOTES:

1. GROOVE WELD SHALL EXTEND THE FULL LENGTH OF THE SHEET PILE WEB AND FLANGES EXCLUDING THE INTERLOCKS.
2. INTERLOCK SEALANT SHALL BE INSTALLED PER THE SPECIFICATIONS AND THE APPROVED MANUFACTURER'S RECOMMENDATIONS.
3. FOR EXTENT OF SHEET PILE REQUIRING INTERLOCK SEALANT, REFER TO DWG. CFDS–XXX.
4. SHEET PILE SURFACE PREPARATION AND PAINTING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

PROGRESS PRINTS

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: -

CHECKED BY: -

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

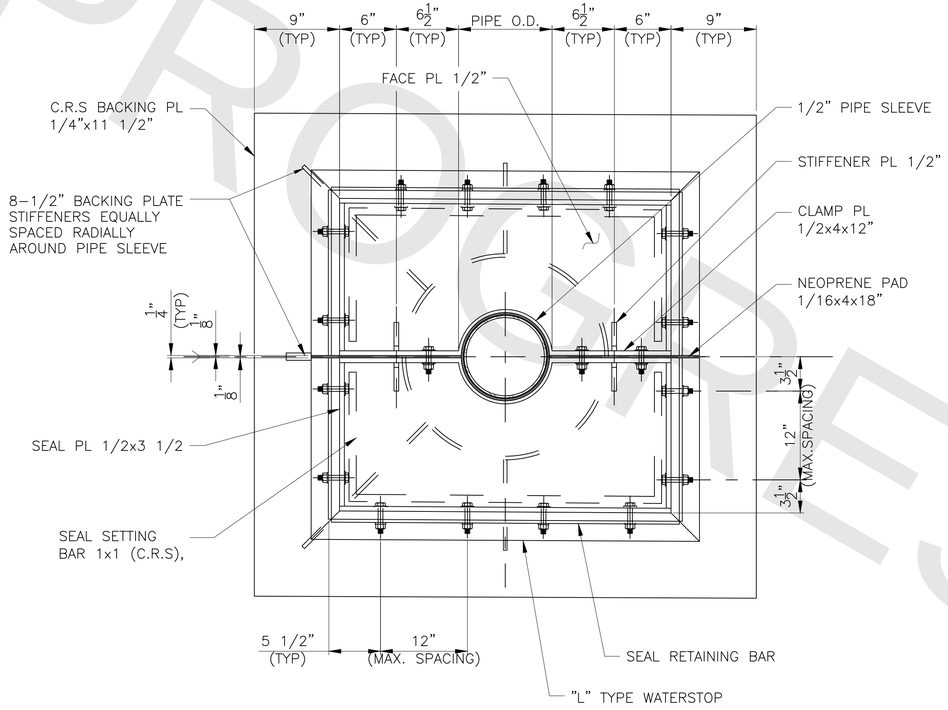
DRAWING TITLE: TYPICAL WATERSTOP DETAILS 2

PROJECT NO. 15-384

DRAWING NO. CFDS-081

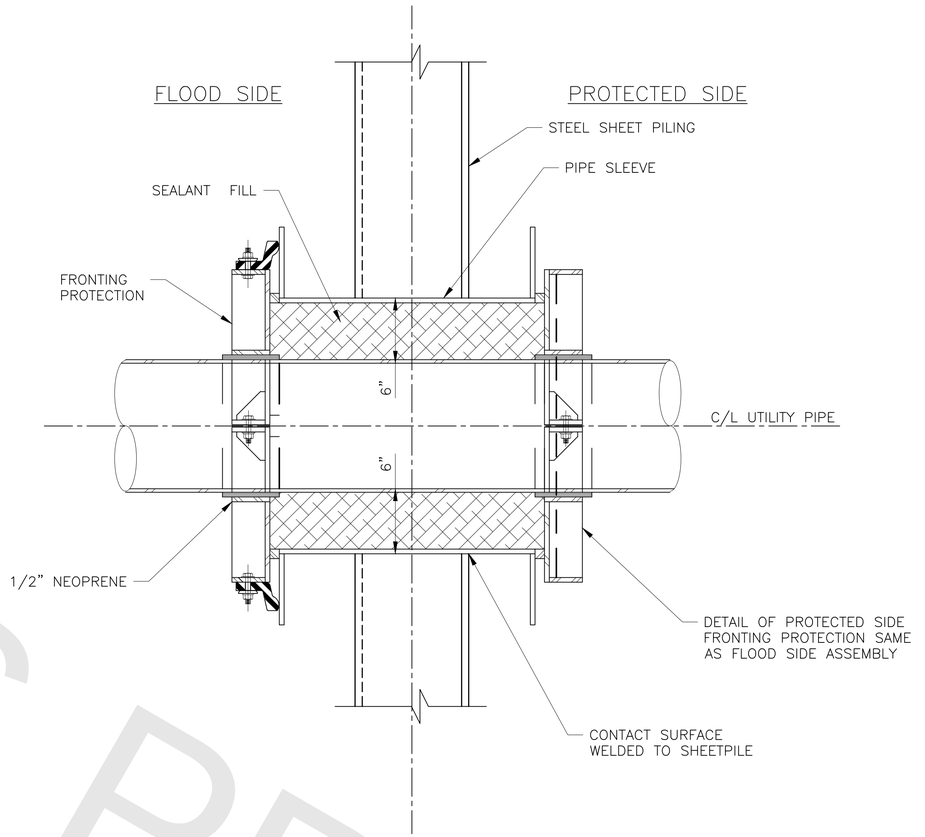
SHEET NO. 01.22.081

FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS–081.dwg
DATE/TIME = Jan 21, 2022 – 3:33pm



FRONTING PROTECTION UTILITY DETAIL

SCALE: 1½" = 1'–0"



SECTION THRU SHEETPILE WALL

SCALE: 1½" = 1'–0"

NOTES:

1. THIS DETAIL IS BASED ON THE NEW WALL FACE BEING PERPENDICULAR TO THE PIPE.
2. ALL FLANGE MATERIAL ATTACHED TO THE SHEET PILE SHALL BE STEEL.
3. ALL MATERIAL FOR FRONTING PROTECTION SHALL BE ALUMINUM, UNLESS OTHERWISE NOTED.
4. ALL STRUCTURAL ALUMINIUM PLATES SHALL BE ASTM B 209, TYPE 6061–T6
5. ALL CORROSION–RESISTANT STEEL (C.R.S) SHALL BE TYPE 316.
6. WELDS SHOWN ARE TYPICAL FOR SIMILAR JOINTS AND ALL WELDS ON WALL SIDE OF FACE PLATE SHALL BE FLUSH WITH BASE METAL.
7. AFTER THE TWO FRAMES ARE LOOSELY CLAMPED ON THE PIPE, THE TOTAL ASSEMBLY SHALL BE PUSHED AGAINST THE WALL, SETTING THE SEALS, THEN TIGHTEN CLAMP PLATES TO CLOSE THE 1/4" GAP.
8. UPON COMPLETION OF THE ASSEMBLY, APPLY A ANAEROBIC ADHESIVE (LOCTITE THREADLOCKER 290 OR EQUAL) TO ALL NUT AND BOLT JUNCTURES.

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: UTILITY CROSSING DETAILS 1

PROJECT NO. 15-384

DRAWING NO. CFDS-084

SHEET NO. 01.22.084

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-084.dwg
DATE/TIME = Jan 21, 2022 – 3:33pm

COASTAL FLOOD DEFENSE SYSTEM UTILITY CROSSING SCHEDULE

CROSSING ID	APPROXIMATE STATION	UTILITY TYPE	UTILITY DESCRIPTION	OWNER	ID SIZE (VXH)	OD SIZE (VXH)	INVERT EL.	APPROX. TOP OF PIPE EL.	APPROX. EXISTING GRADE EL.	CROSSING TYPE
1	520+00	OUTFALL, DRAIN	(2) OUTFALL APPROX. 84", DRAIN APPROX. 48"	PSEG, COGENTRIX					+9.0 FT	TBD
2	601+00	OUTFALL	(2) APPROX. 84", 20'-00" IN TOTAL	PSEG, COGENTRIX					+8.0 FT	TBD
3	615+00	SANITARY	60"	WPCA					+9.0 FT	2
4	617+00	DRAIN	(2) 48", APPROX. 12'-00" IN TOTAL	WPCA					+9.0 FT	2
5	619+00	115 kV		PSEG	N.A.	N.A.	N.A.		+9.0 FT	TBD
6	619+00	345 kV		PSEG	N.A.	N.A.	N.A.	+5.5 FT	+9.0 FT	TBD
7	619+00	345 kV		PSEG	N.A.	N.A.	1.275'			TBD
8	619+00	345 kV		PSEG	N.A.	N.A.	-4.225'			TBD
9	619+00	TBD BY UI			N.A.	N.A.				TBD

PROGRESS PRINTS

NOTES:

1. MAJOR UTILITY CROSSINGS ARE INCLUDED IN THE ABOVE SCHEDULE. UTILITY COORDINATION IS ONGOING; ALL UTILITY CROSSINGS, INCLUDING MINOR CROSSINGS, WILL BE ADDRESSED IN 90% DESIGN.

PROGRESS SUBMITTAL

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REV.	DATE	REVISION DESCRIPTION
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PROJECT TITLE:

FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: UTILITY CROSSING SCHEDULE

PROJECT NO. 15-384

DRAWING NO. CFDS-085

SHEET NO. 01.22.085

FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-085.dwg
DATE/TIME = Jan 21, 2022 - 3:34pm

COASTAL FLOOD DEFENSE SYSTEM
CLOSURE STRUCTURE SCHEDULE

NO.	GATE ID	TYPE	CLEAR OPENING	SILL ELEVATION
1	BROAD STREET	STOP LOG	50'-0"	TBD
2	MAIN STREET	STOP LOG	54'-0"	TBD
3	LIGHTHOUSE ACCESS ROAD	ROLLER GATE	30'-0"	+12.00'
4	PSEG ACCESS ROAD	STOP LOG	40-0"	+9.20'
5	ATLANTIC STREET	STOP LOG	70'-0"	+10.20'
6	COGENTRIX	STOP LOG	12'-0"	TBD
7	WHITING STREET	STOP LOG	12'-0"	TBD
8	PSEG NORTH	STOP LOG	12'-0"	TBD
9	FERRY ACCESS ROAD	ROLLER GATE	36'-0"	+12.00'

PROGRESS PRINTS

PROGRESS SUBMITTAL

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

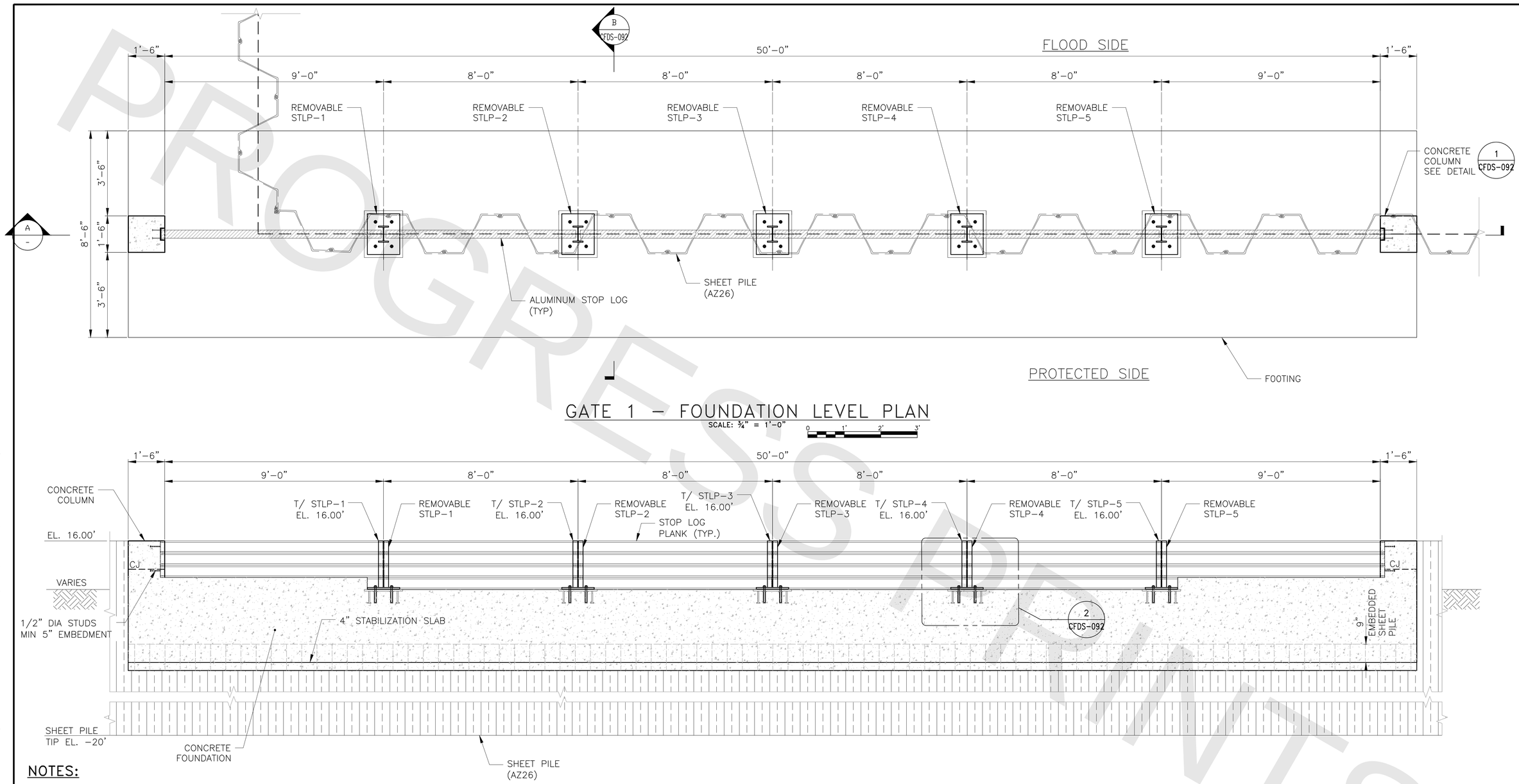
DRAWING TITLE: CFDS CLOSURE STRUCTURE SCHEDULE

PROJECT NO. 15-384

DRAWING NO. CFDS-090

SHEET NO. 01.22.090

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-090.dwg
DATE/TIME = Jan 21, 2022 - 3:34pm



GATE 1 – FOUNDATION LEVEL PLAN

SCALE: ¾" = 1'-0"

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROAD CAMBER TO AVOID LEAKAGES DURING FLOOD.
2. FOR STLP MEMBER SIZES SEE DWG. NO. CFDS–092.
3. INSTALLATION STEPS FOR REMOVABLE POST ARE AS FOLLOWS:
   a) REMOVE COUNTER SUNK BOLTS AT LOCATION STLP–1 TO STLP–5
   b) CLEAN THE DUST WITH BRUSH ON TOP OF EMBEDDED PLATE
   c) PLACE "RUBBER GASKET MATERIAL" TO MATCH WITH SIZE OF COLUMN BASE PLATE
   d) PLACE IN POSITION RESPECTIVE STOP LOG POST WITH ANCHOR BOLTS.
   e) PLACE PLANKS WITH THEIR RESPECTIVE SPANS AND POSITION ID'S (PLANKS TO BE PROVIDED ID'S BY MANUFACTURER)
   f) CARE SHOULD BE TAKEN TO PLACE THE BOTTOM MOST PLANKS CORRECTLY TO MATCH THE CROWN SURFACE OF THE ROAD.

A – SECTION
SCALE: 1/2"=1'-0"

PROGRESS PRINTS

PROGRESS SUBMITTAL

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SIGNATURE/ BLOCK:

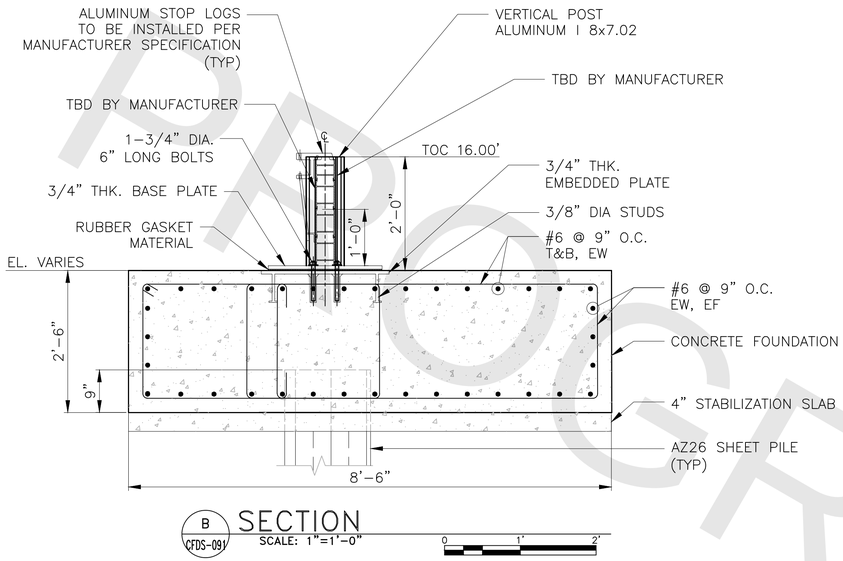
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: STOP LOG 1 LAYOUT AND ELEVATION

PROJECT NO. 15-384
DRAWING NO. CFDS-091
SHEET NO. 01.22.091

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-091-092.dwg
DATE/TIME = Jan 21, 2022 – 3:34pm



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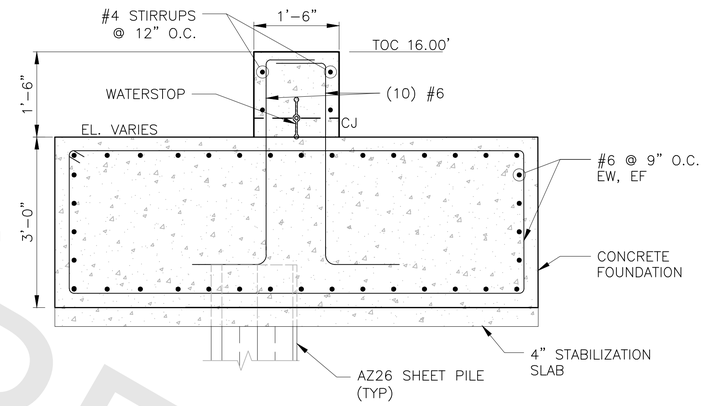
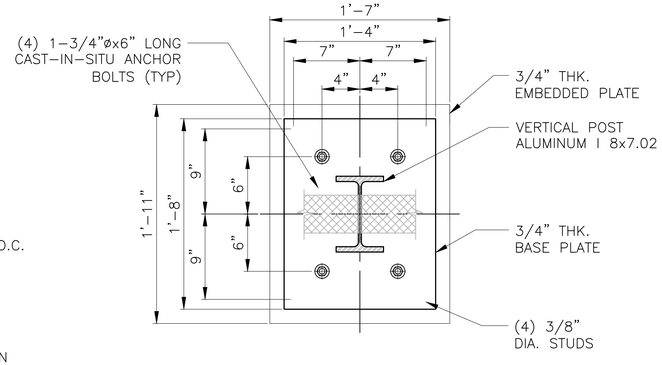
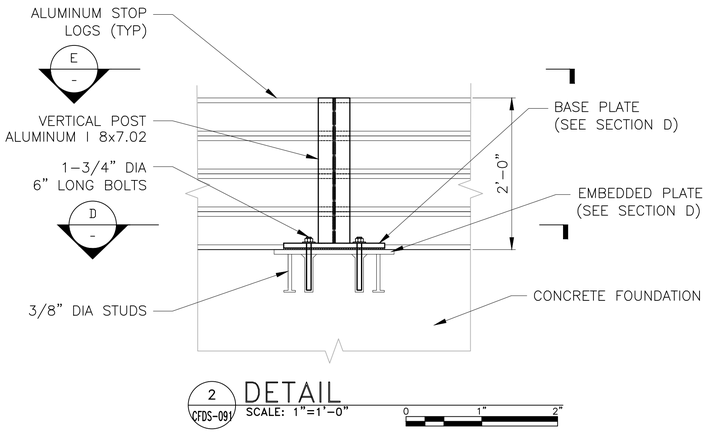


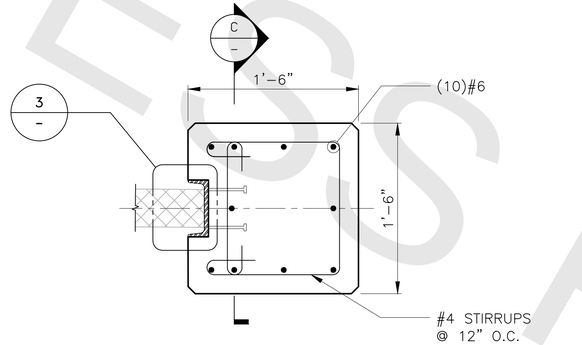
C – SECTION
SCALE: 1"=1'–0"



D – SECTION
SCALE: 1 1/2"=1'–0"



2 CFDS-091 DETAIL
SCALE: 1"=1'–0"



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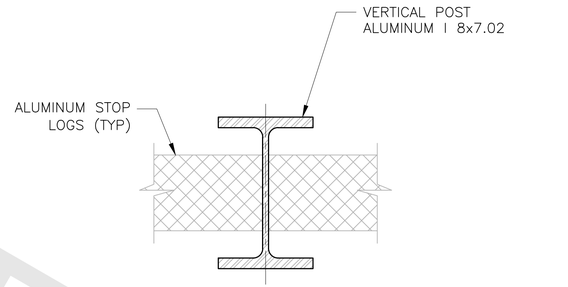
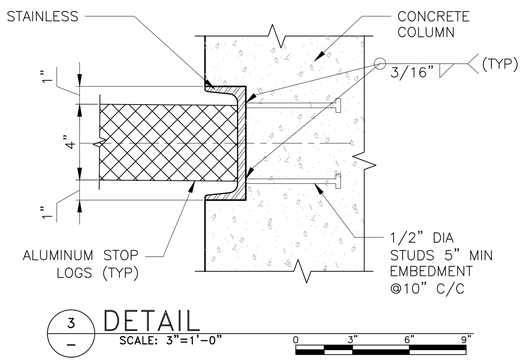


E – SECTION
SCALE: 3"=1'–0"



3 – DETAIL
SCALE: 3"=1'–0"

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROADWAY TO AVOID LEAKAGES DURING FLOOD.
2. INSTALLATION STEPS FOR REMOVABLE POST ARE AS FOLLOWS:
   a) REMOVE COUNTER SUNK BOLTS AT LOCATION STLP–1 TO STLP–5
   b) CLEAN THE DUST WITH BRUSH ON TOP OF EMBEDDED PLATE
   c) PLACE "RUBBER GASKET MATERIAL" TO MATCH WITH SIZE OF COLUMN BASE PLATE
   d) PLACE IN POSITION RESPECTIVE STOP LOG POST WITH ANCHOR BOLTS.
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PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

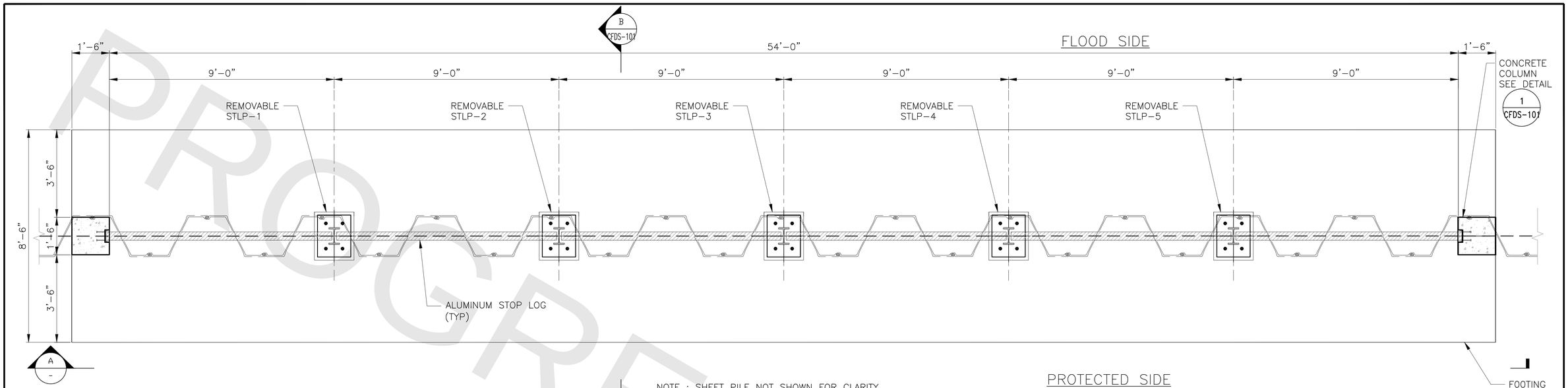
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: STOP LOG 1 SECTIONS AND DETAILS

PROJECT NO. 15-384
DRAWING NO. CFDS-092
SHEET NO. 01.22.092

FILE NAME = C:\Users\SP00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-091-092.dwg
DATE/TIME = Jan 21, 2022 – 3:34pm

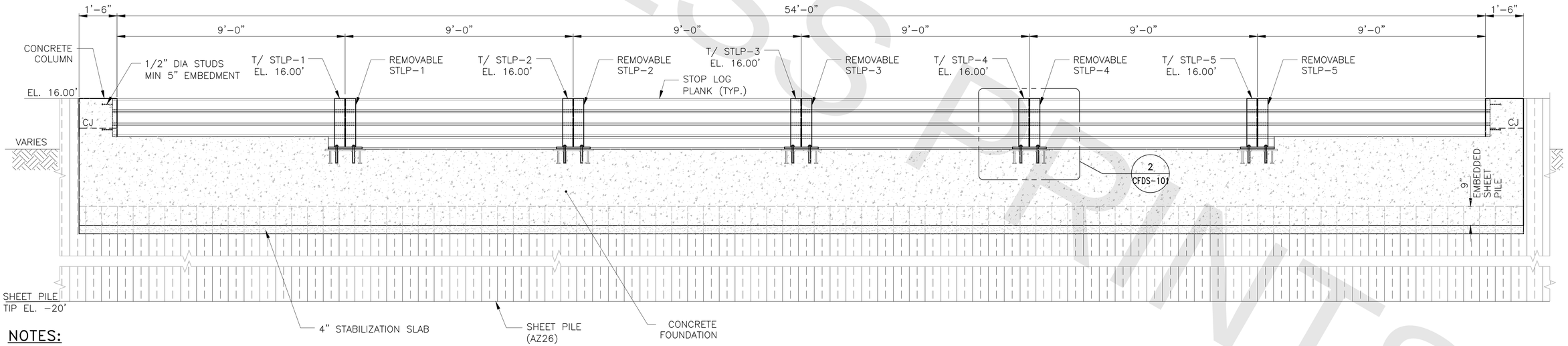
PROGRESS PRINT



NOTE : SHEET PILE NOT SHOWN FOR CLARITY

GATE 2 – FOUNDATION LEVEL PLAN

SCALE: ¾" = 1'-0"



NOTES:

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2. FOR STLP MEMBER SIZES SEE DWG. NO. CFDS–101.
3. INSTALLATION STEPS FOR REMOVABLE POST ARE AS FOLLOWS:
   a) REMOVE COUNTER SUNK BOLTS AT LOCATION STLP–1 TO STLP–5
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   c) PLACE "RUBBER GASKET MATERIAL" TO MATCH WITH SIZE OF COLUMN BASE PLATE
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A – SECTION

SCALE: 1/2"=1'-0"

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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ARCADIS
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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: STOP LOG 2 LAYOUT AND ELEVATION

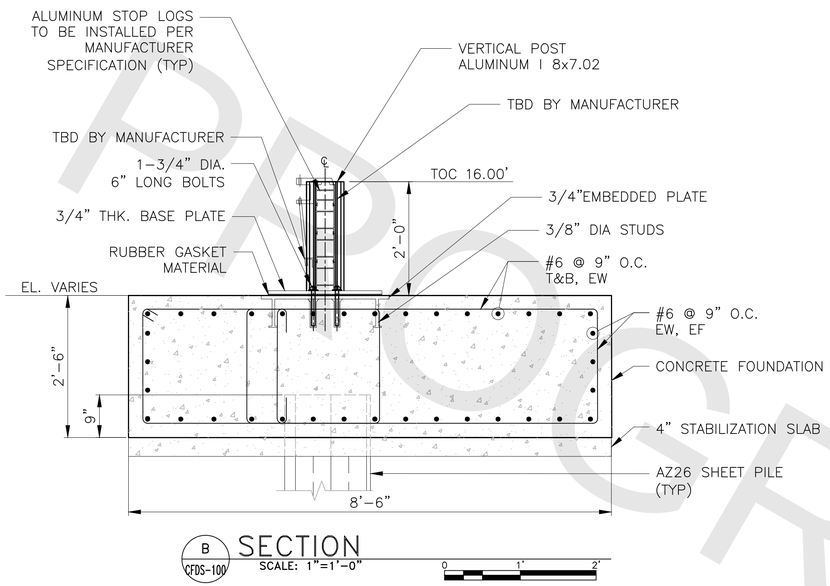
PROJECT NO. 15-384

DRAWING NO. CFDS-100

SHEET NO. 01.22.100

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-100-101.dwg
DATE/TIME = Jan 21, 2022 – 3:34pm

PROGRESS PRINTS



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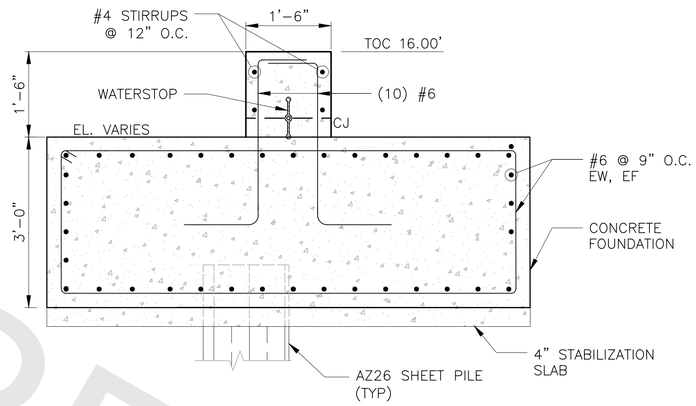

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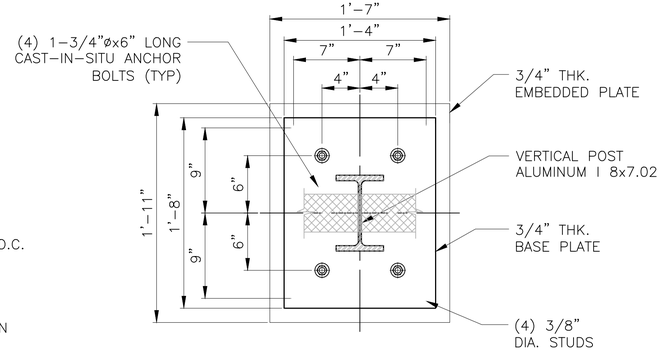

D – SECTION
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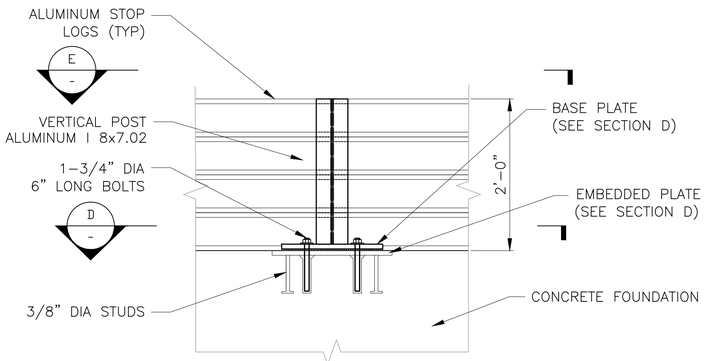
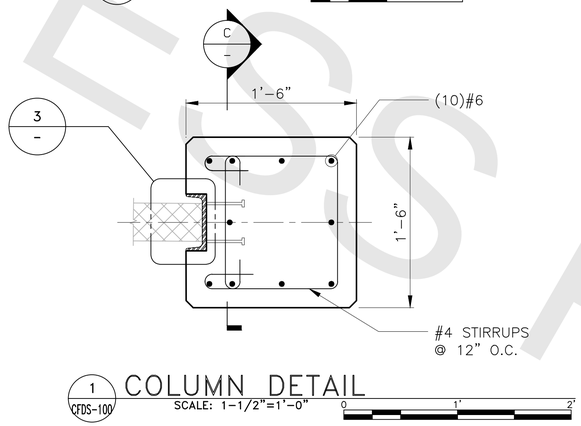
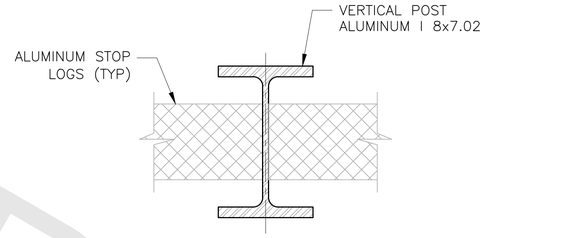


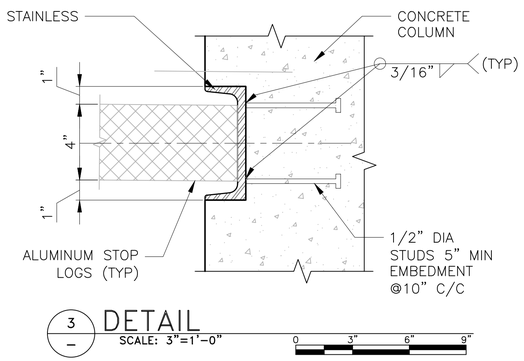
2 CFDS-100 DETAIL
SCALE: 1"=1'-0"



1 CFDS-100 COLUMN DETAIL
SCALE: 1-1/2"=1'-0"



E – SECTION
SCALE: 3"=1'-0"



3 – DETAIL
SCALE: 3"=1'-0"

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROADWAY TO AVOID LEAKAGES DURING FLOOD.
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   a) REMOVE COUNTER SUNK BOLTS AT LOCATION STLP-1 TO STLP-5
   b) CLEAN THE DUST WITH BRUSH ON TOP OF EMBEDDED PLATE
   c) PLACE "RUBBER GASKET MATERIAL" TO MATCH WITH SIZE OF COLUMN BASE PLATE
   d) PLACE IN POSITION RESPECTIVE STOP LOG POST WITH ANCHOR BOLTS.
   e) PLACE PLANKS WITH THEIR RESPECTIVE SPANS AND POSITION ID'S (PLANKS TO BE PROVIDED ID'S BY MANUFACTURER)
   f) CARE SHOULD BE TAKEN TO PLACE THE BOTTOM MOST PLANKS CORRECTLY TO MATCH THE SURFACE OF THE ROAD.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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DESIGNER/DRAFTER: 00
CHECKED BY: 00

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

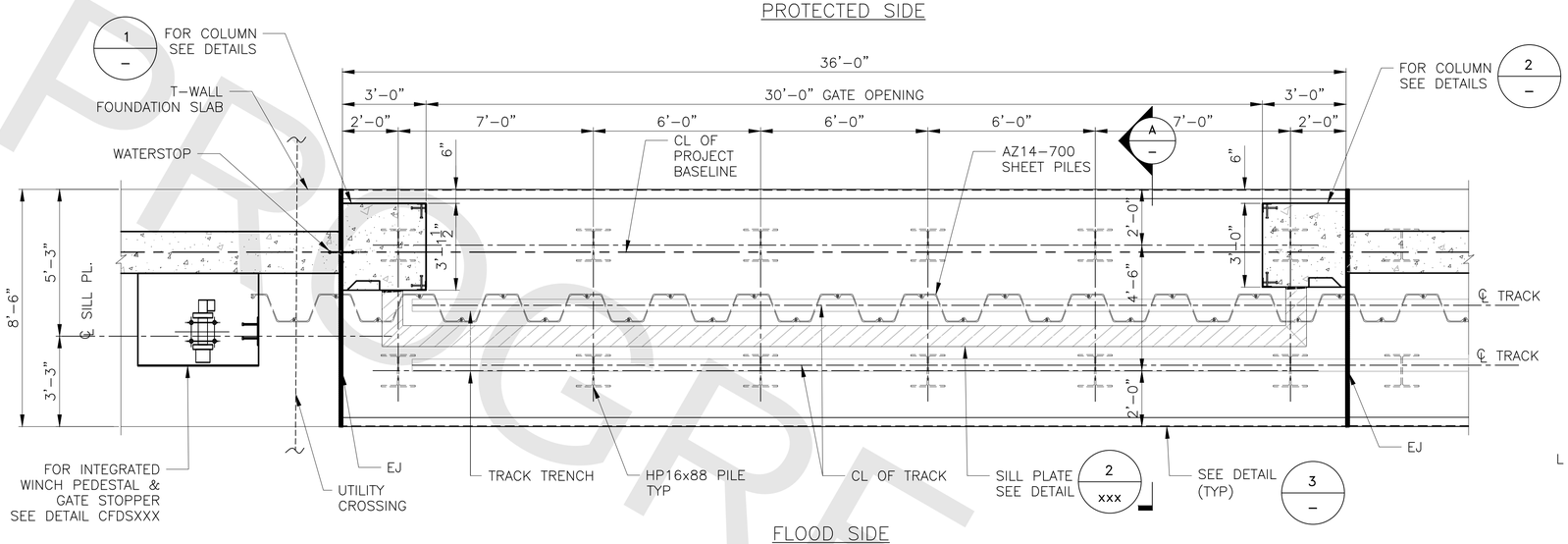
TOWN: BRIDGEPORT

DRAWING TITLE: STOP LOG 2 SECTIONS AND DETAILS

PROJECT NO. 15-384
DRAWING NO. CFDS-101
SHEET NO. 01.22.101

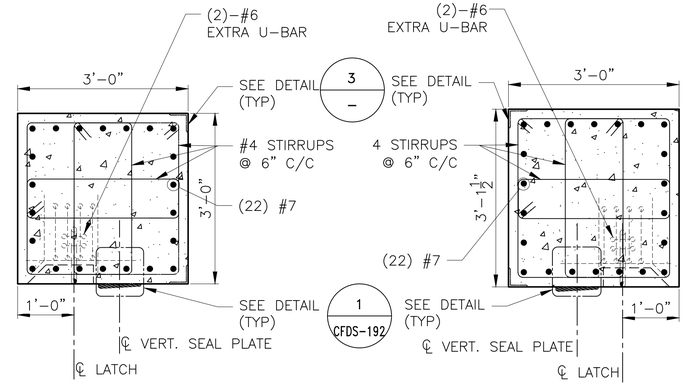
FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-100-101.dwg
DATE/TIME = Jan 21, 2022 - 3:34pm

PROGRESS PRINT



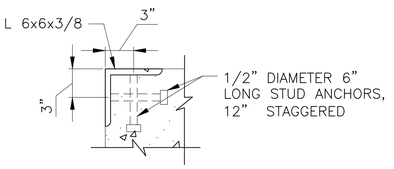
GATE NO. 3 – LIGHTHOUSE ACCESS ROAD ROLLER GATE–FOUNDATION LEVEL PLAN

SCALE: ⅜" = 1'-0"



1 – DETAIL
SCALE:– 3/4" = 1'-0"

2 – DETAIL
SCALE:– 3/4" = 1'-0"



3 – DETAIL
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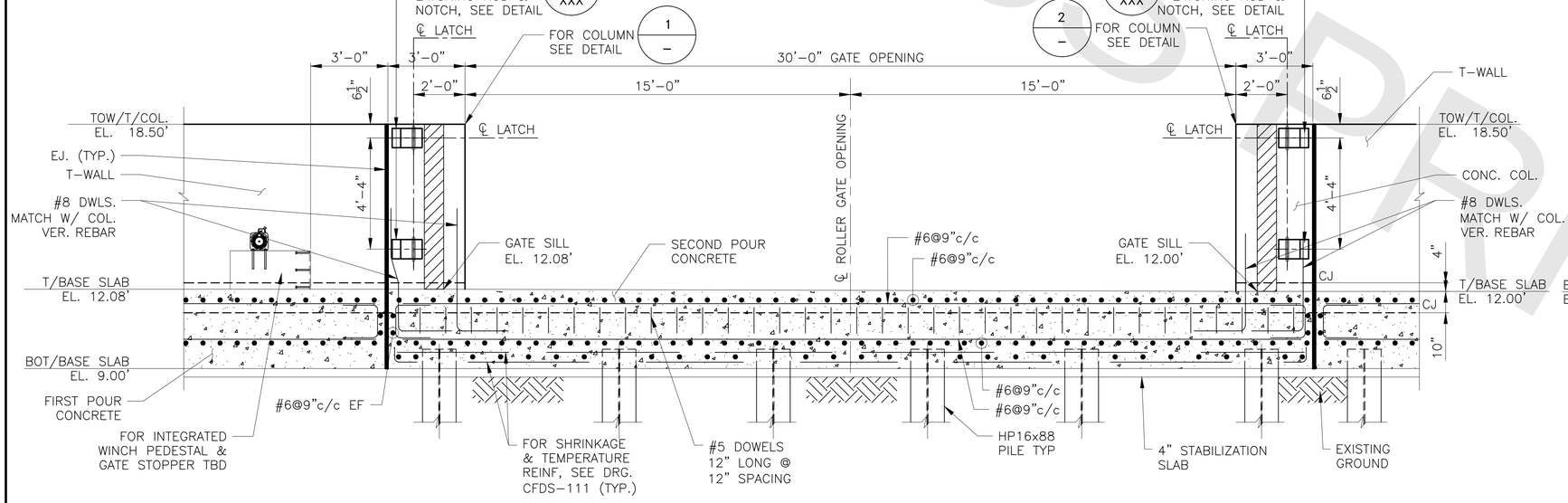
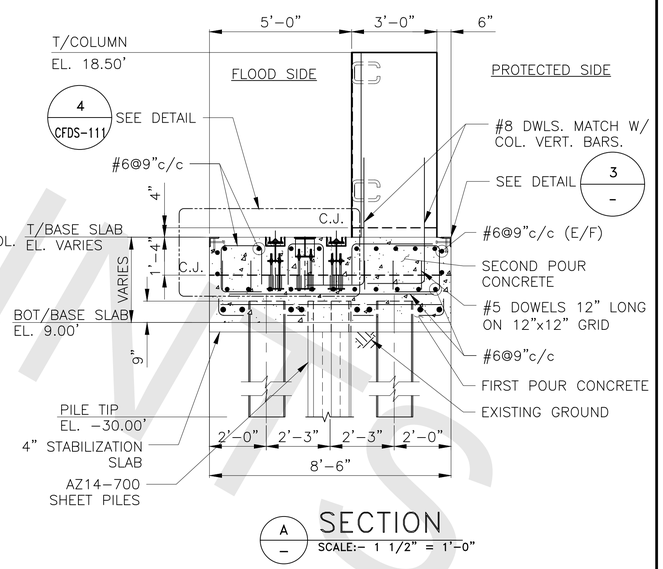


NOTE : SHEET PILE NOT SHOWN FOR CLARITY

GATE NO. 3 – LIGHTHOUSE ACCESS ROAD ROLLER GATE–FLOOD SIDE ELEVATION

SCALE: ⅜" = 1'-0"



A – SECTION
SCALE:– 1 1/2" = 1'-0"

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

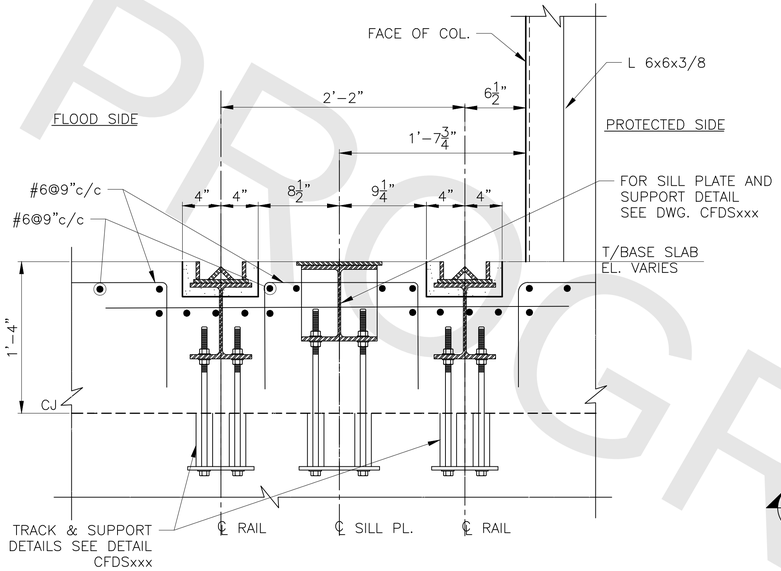
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

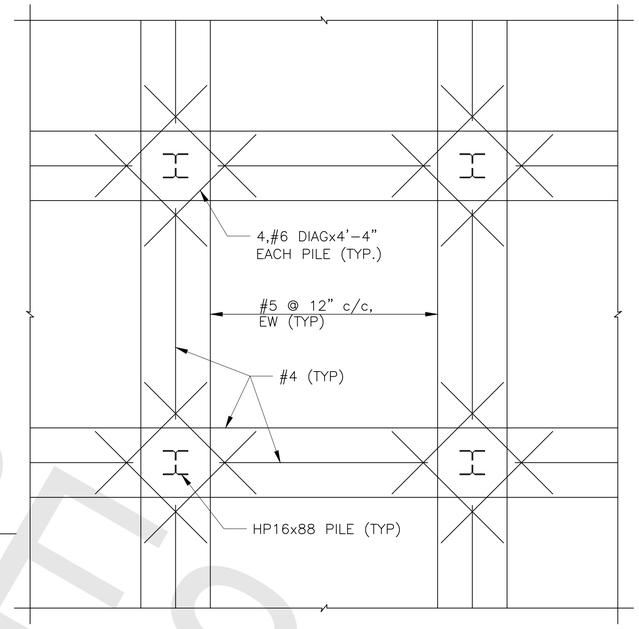
TOWN: BRIDGEPORT
DRAWING TITLE: ROLLER GATE 3 MONOLITH DETAILS 1
PROJECT NO. 15-384
DRAWING NO. CFDS-110
SHEET NO. 01.22.110

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-110-111.dwg
DATE/TIME = Jan 21, 2022 – 3:34pm

PROGRESS

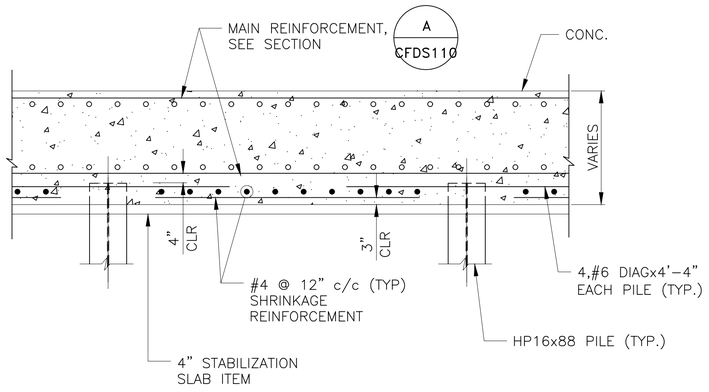


4 CFDS-110 DETAIL
SCALE:- 1 1/2" = 1'-0"



B -

TYPICAL TEMPERATURE AND SHRINKAGE REINFORCEMENT PLAN
NOT TO SCALE



B - SECTION
SCALE:- 3/8" = 1'-0"

NOTES:
1. FOR CONCRETE MONOLITH PILE LAYOUT AND SCHEDULE SEE DWG. CFDS-110.
2. FOR GATE DETAILS SEE DWG. CFDS-113 AND CFDS-114.
3. FOR TYPICAL UTILITY CROSSING CONCEPTS, SEE DWG. CFDS-083 TO CFDS-085.
4. FOR LATCHING HOOK DETAILS SEE DWG. CFDS-190.
5. FOR TRACK & SILL PLATE DETAILS AT GATE MONOLITH AND STORAGE MONOLITH DETAILS SEE DWG. CFDS-112 TO CFDS-114.

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

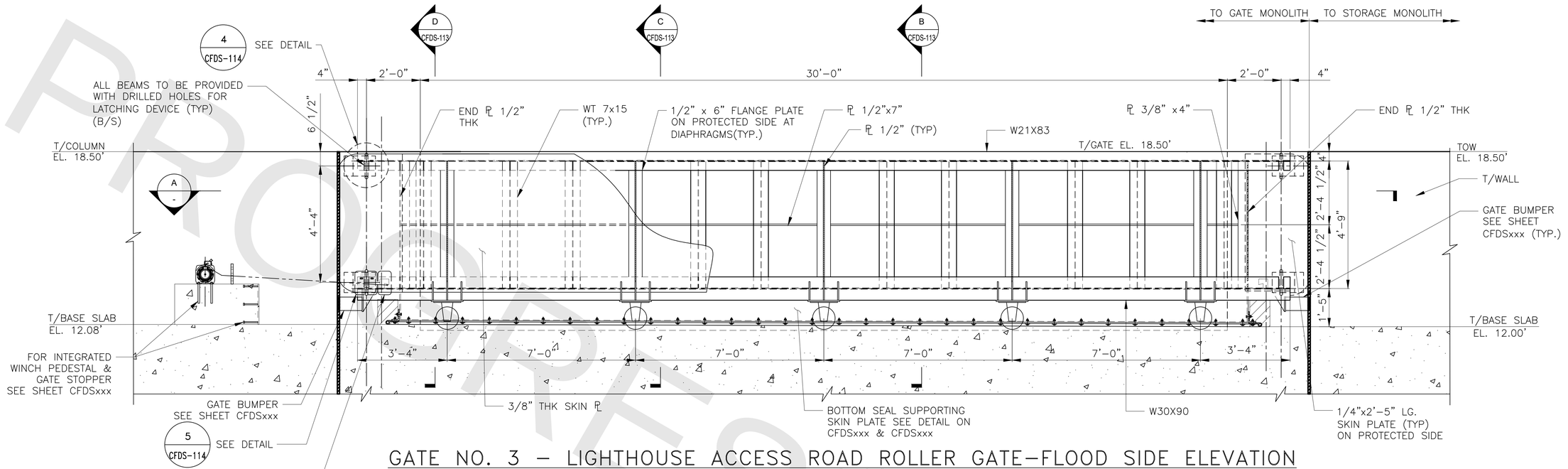
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: ROLLER GATE 3 MONOLITH DETAILS 2

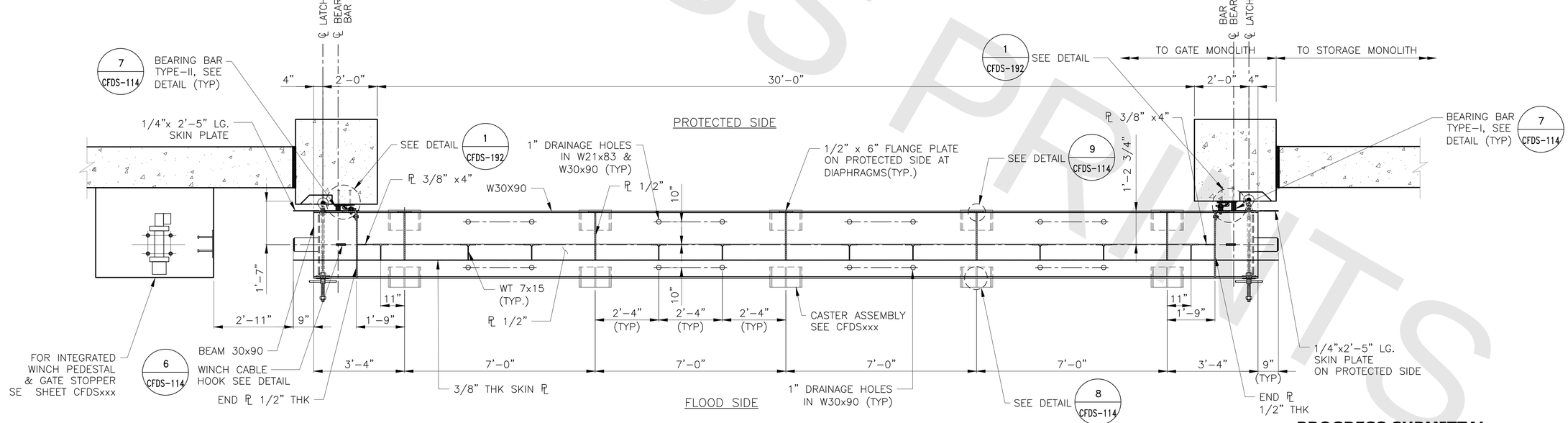
PROJECT NO. 15-384
DRAWING NO. CFDS-111
SHEET NO. 01.22.111

FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-111.dwg
DATE/TIME = Jan 21, 2022 - 3:34pm



GATE NO. 3 – LIGHTHOUSE ACCESS ROAD ROLLER GATE–FLOOD SIDE ELEVATION

SCALE: ½" = 1'-0"



A – SECTION

SCALE:– 3/4" = 1'-0"

NOTE:

1. FOR LATCHING DETAILS SEE DWG. CFDS–190.
2. FOR TYPICAL ROLLER GATE SEAL DETAILS SEE DWG. CFDS–192 TO CFDS–193.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

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ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: ROLLER GATE 3 PLAN & ELEVATION

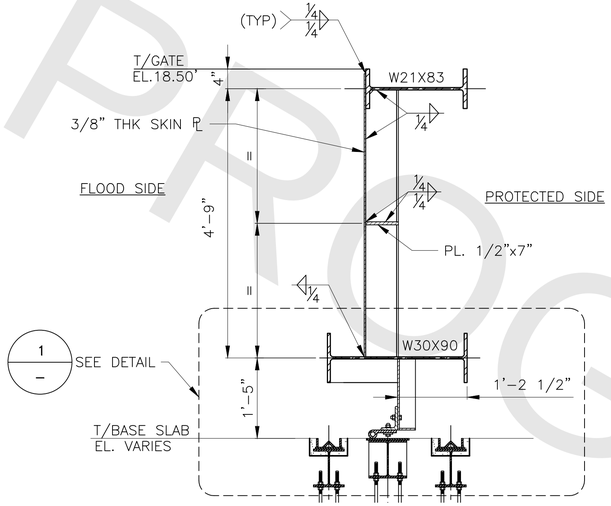
PROJECT NO. 15-384

DRAWING NO. CFDS-112

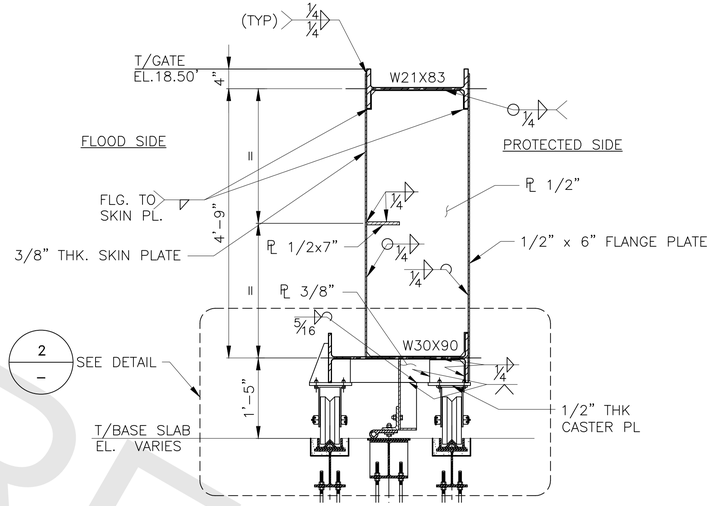
SHEET NO. 01.22.112

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-112-114.dwg
DATE/TIME = Jan 21, 2022 – 3:34pm

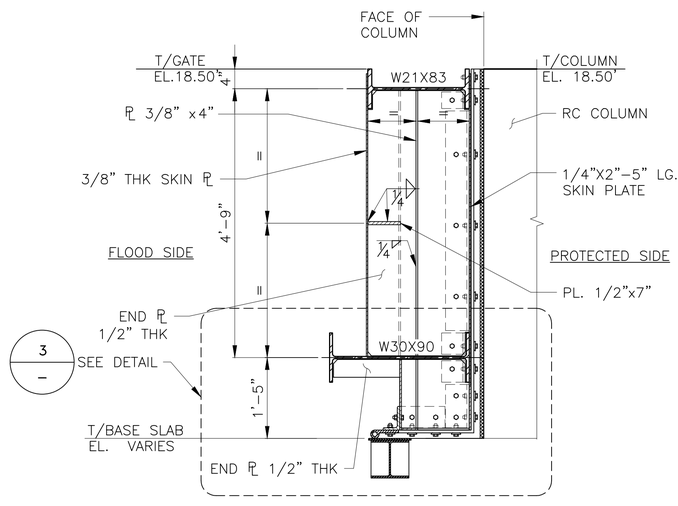
PROGRESS PRINTS



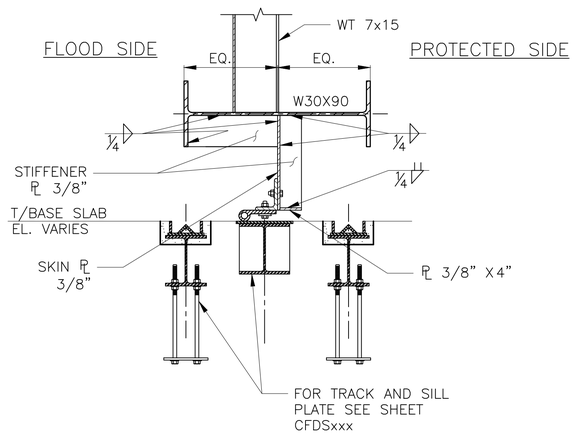
B SECTION
CFDS-112 SCALE:- 3/4" = 1'-0"



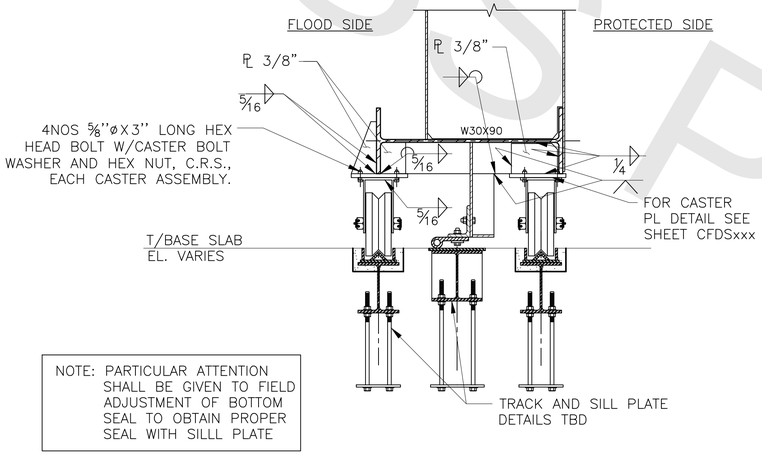
C SECTION
CFDS-112 SCALE:- 3/4" = 1'-0"



D SECTION
CFDS-112 SCALE:- 3/4" = 1'-0"

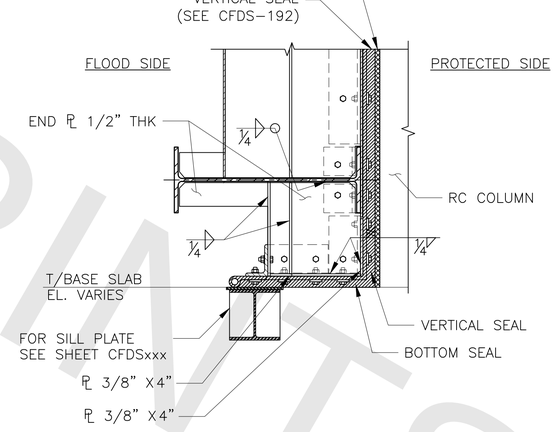


1 DETAIL
SCALE:- 1" = 1'-0"



NOTE: PARTICULAR ATTENTION SHALL BE GIVEN TO FIELD ADJUSTMENT OF BOTTOM SEAL TO OBTAIN PROPER SEAL WITH SILLL PLATE

2 DETAIL
SCALE:- 1" = 1'-0"



3 DETAIL
SCALE:- 1" = 1'-0"

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

NOTE:

1. FOR LATCHING DETAILS SEE DWG. CFDS-190.
2. FOR TYPICAL ROLLER GATE SEAL DETAILS SEE DWG. CFDS-192 TO CFDS-193.

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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500 Winding Brook Dr. Glastonbury, CT

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

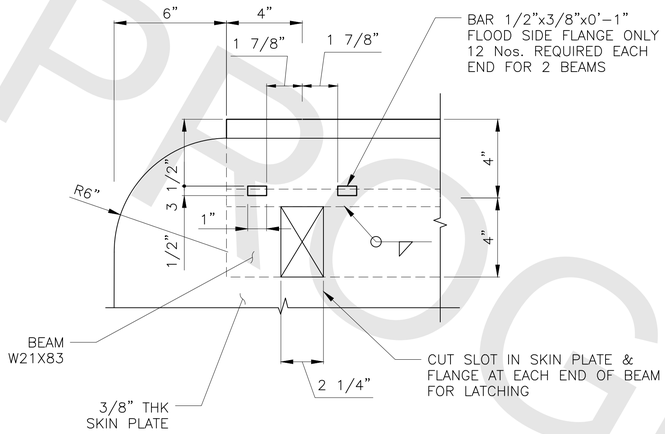
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: ROLLER GATE 3 SECTIONS & DETAILS

PROJECT NO. 15-384
DRAWING NO. CFDS-113
SHEET NO. 01.22.113

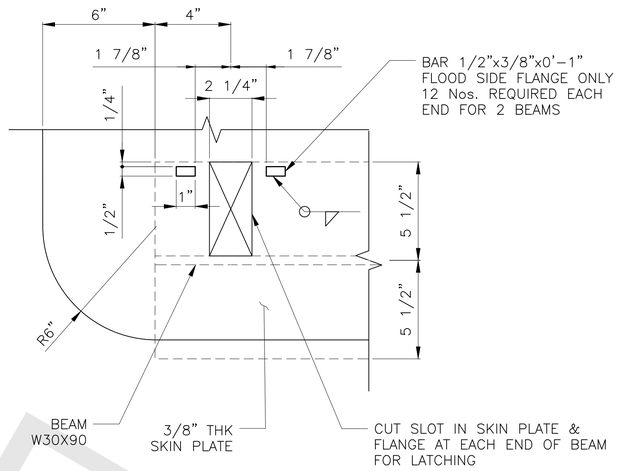
FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-112-114.dwg
DATE/TIME = Jan 21, 2022 - 3:34pm

PROGRESS PRINTS

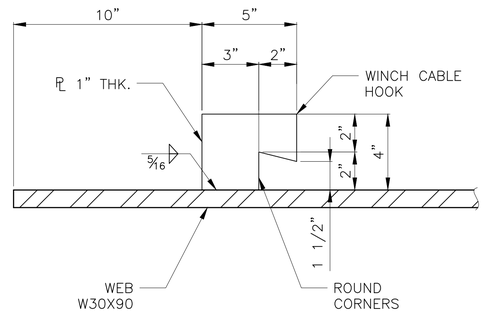


(NOTE: APPLICABLE ONLY FOR TOP GIRDER BEAM)

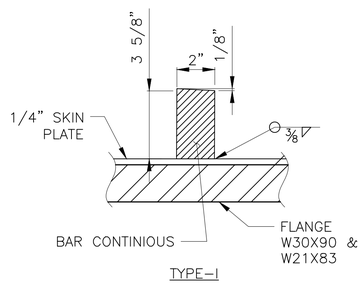
4 CFDS-112 DETAIL
SCALE:- 3" = 1'-0"

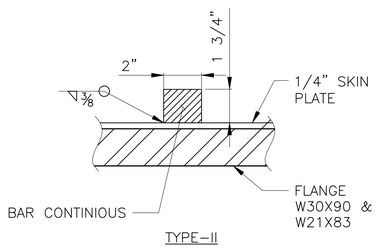


5 CFDS-112 DETAIL
SCALE:- 3" = 1'-0"

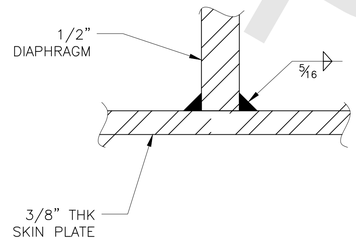


6 CFDS-112 WINCH CABLE HOOK
SCALE:- 3" = 1'-0"

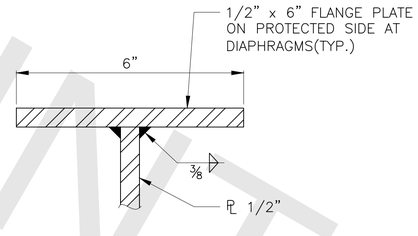




7 CFDS-112 BEARING BAR DETAIL
SCALE:- 3" = 1'-0"



8 CFDS-112 DETAIL
SCALE:- 1" = 1'-0"



9 CFDS-112 DETAIL
SCALE:- 6" = 1'-0"

NOTE:

1. FOR LATCHING DETAILS SEE DWG. CFDS-190.
2. FOR TYPICAL ROLLER GATE SEAL DETAILS SEE DWG. CFDS-192 TO CFDS-193.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

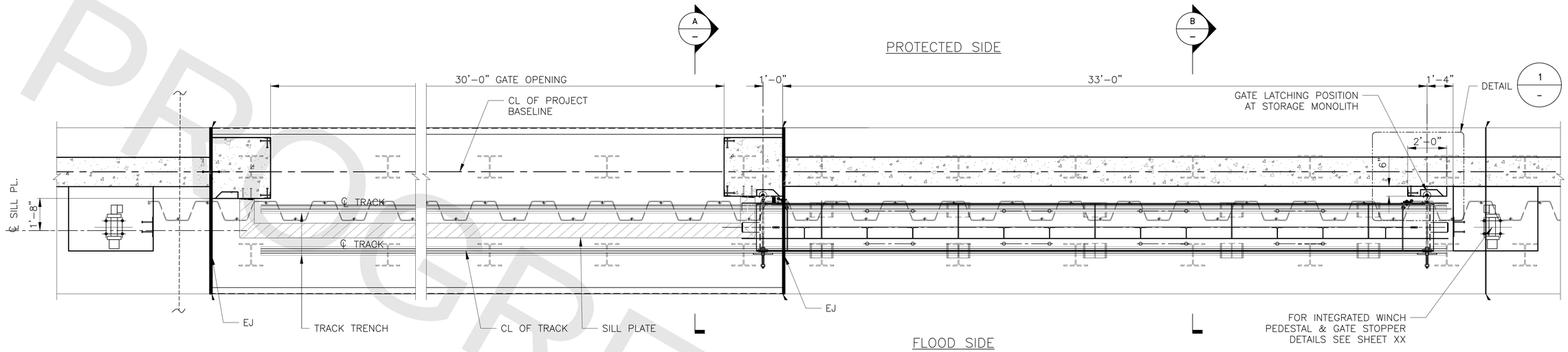
TOWN: BRIDGEPORT

DRAWING TITLE: ROLLER GATE 3 DETAILS

PROJECT NO. 15-384
DRAWING NO. CFDS-114
SHEET NO. 01.22.114

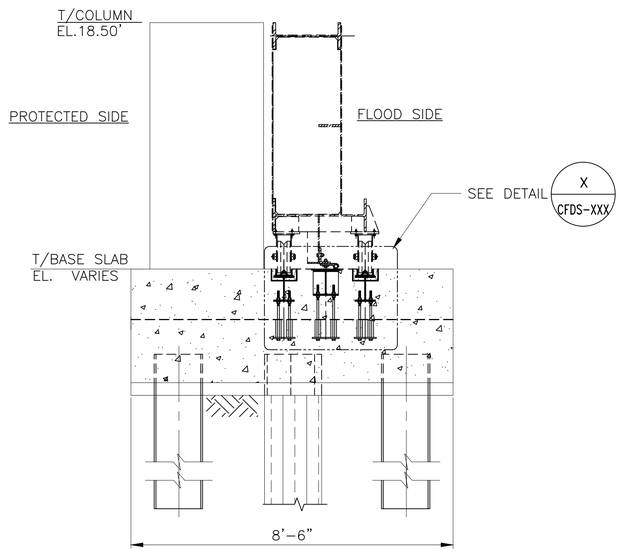
FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-112-114.dwg
DATE/TIME = Jan 21, 2022 - 3:34pm

PROGRESS PRINTS

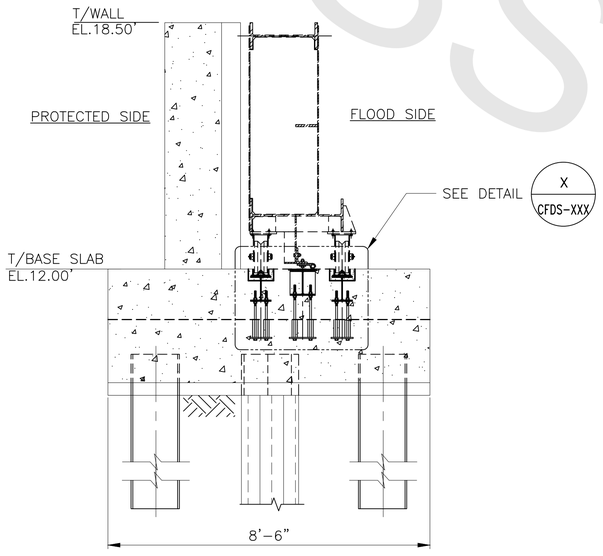


GATE NO. 3 – LIGHTHOUSE ACCESS ROAD ROLLER GATE POSITION IN STORAGE MONOLITH

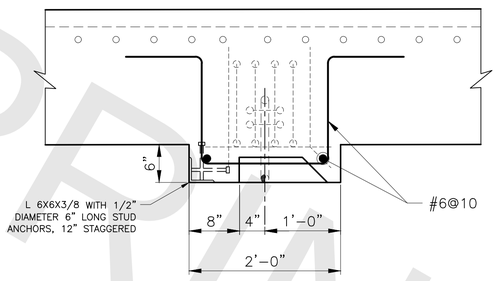
SCALE: ⅜" = 1'-0"



A SECTION
SCALE:– 1/2" = 1'-0"



B SECTION
SCALE:– 1/2" = 1'-0"



1 DETAIL
SCALE:– 1/2" = 1'-0"

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: ROLLER GATE 3 STORAGE MONOLITH

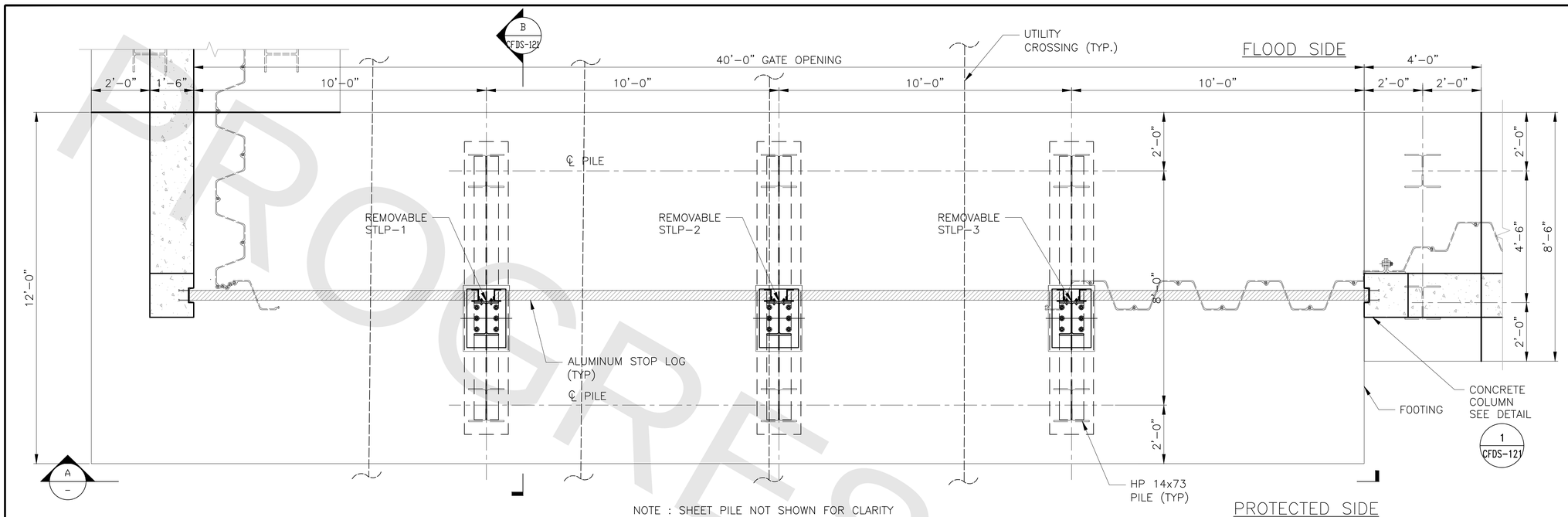
PROJECT NO. 15-384

DRAWING NO. CFDS-115

SHEET NO. 01.22.115

PROGRESS PRINTS

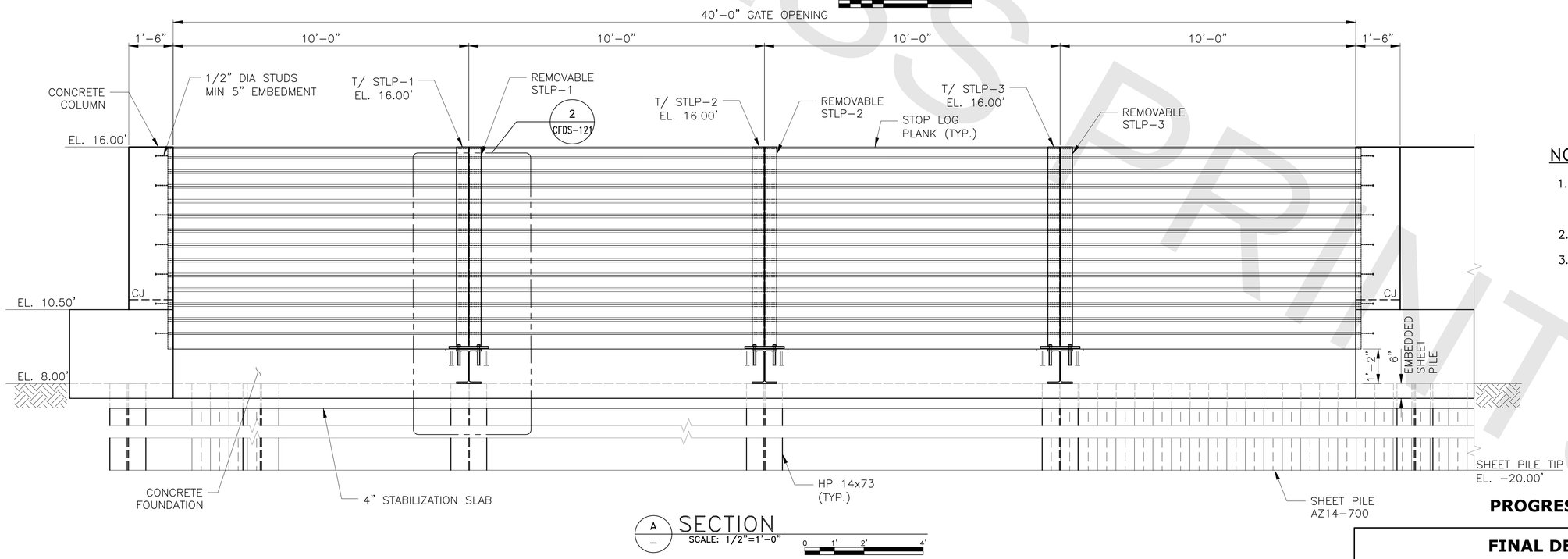
FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-115.dwg
DATE/TIME = Jan 21, 2022 – 3:35pm



NOTE : SHEET PILE NOT SHOWN FOR CLARITY

GATE 4 – FOUNDATION LEVEL PLAN

SCALE: ½" = 1'-0"



A – SECTION

SCALE: 1/2"=1'-0"

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROADWAY TO AVOID LEAKAGES DURING FLOOD.
2. FOR STLP MEMBER SIZES SEE DWG. NO. CFDS-121.
3. INSTALLATION STEPS FOR REMOVABLE POST ARE AS FOLLOWS:
   a) REMOVE COUNTER SUNK BOLTS AT LOCATION STLP-1 TO STLP-3
   b) CLEAN THE DUST WITH BRUSH ON TOP OF EMBEDDED PLATE
   c) PLACE "RUBBER GASKET MATERIAL" TO MATCH WITH SIZE OF COLUMN BASE PLATE
   d) PLACE IN POSITION RESPECTIVE STOP LOG POST WITH ANCHOR BOLTS.
   e) PLACE PLANKS WITH THEIR RESPECTIVE SPANS AND POSITION ID'S (PLANKS TO BE PROVIDED ID'S BY MANUFACTURER)
   f) CARE SHOULD BE TAKEN TO PLACE THE BOTTOM MOST PLANKS CORRECTLY TO MATCH THE SURFACE OF THE ROAD.

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FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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DESIGNER/DRAFTER: -

CHECKED BY: -

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: STOP LOG 4 GENERAL PLAN & ELEVATION

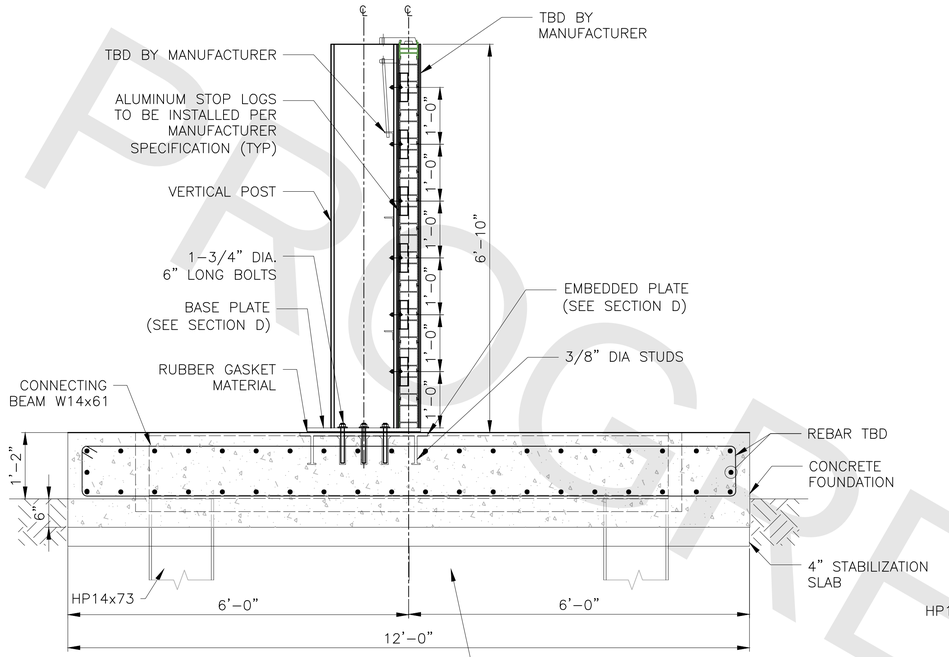
PROJECT NO. 15-384

DRAWING NO. CFDS-120

SHEET NO. 01.22.120

PROGRESS PRINT

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-120-121.dwg
DATE/TIME = Jan 21, 2022 – 3:35pm



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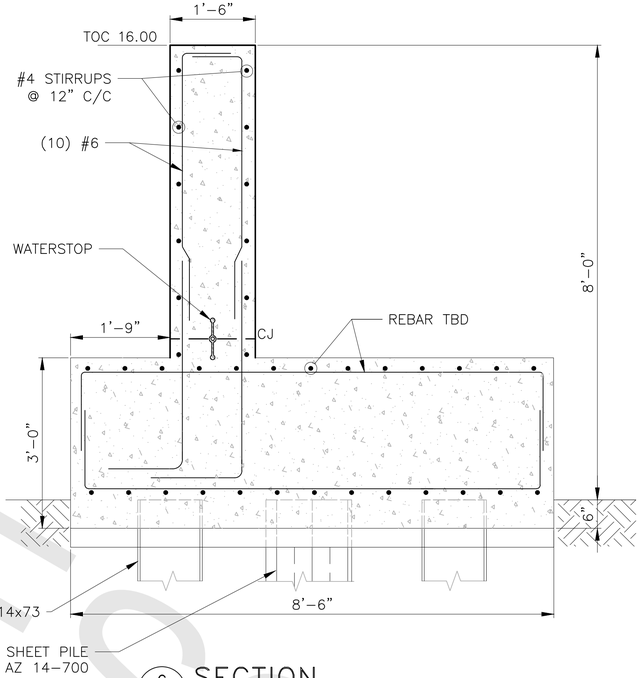

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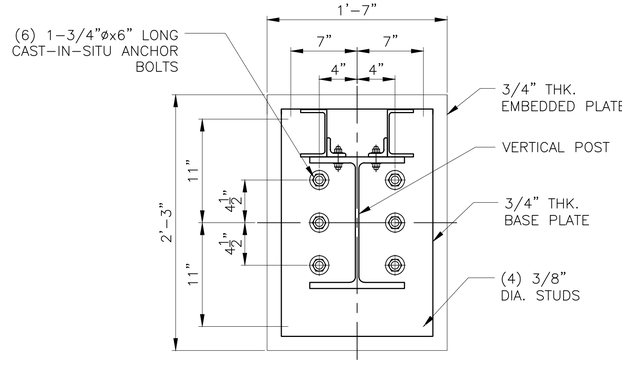

D – SECTION
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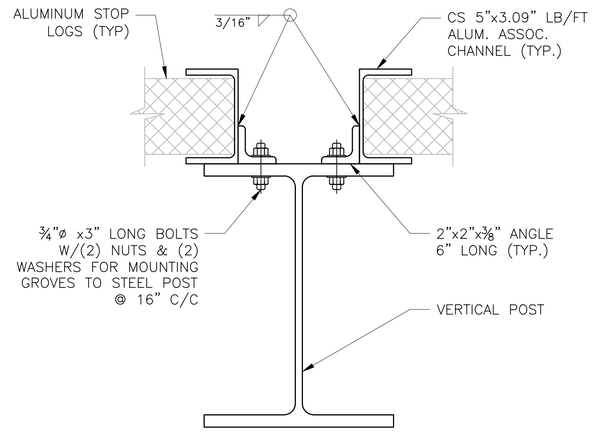

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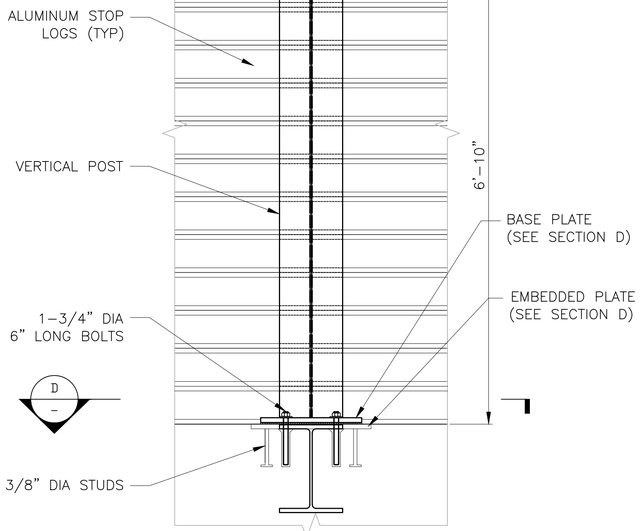

2 CFDS-120 DETAIL
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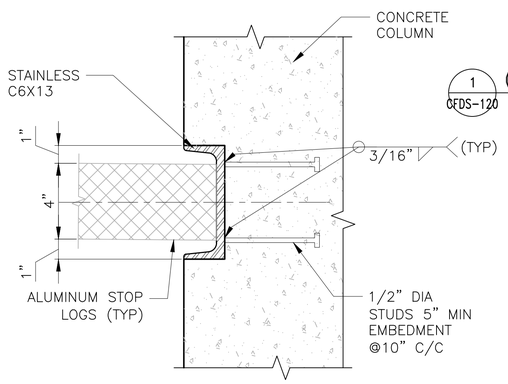

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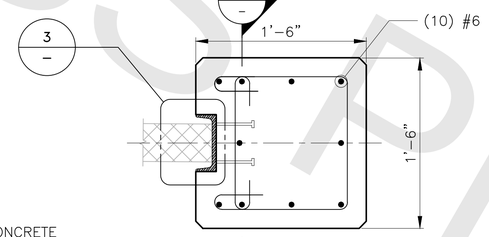

1 CFDS-120 COLUMN DETAIL
SCALE: 1-1/2"=1'-0"

TABLE:

SL .NO	STOP LOG MARK	POST TYPE	VERTICAL POST MEMBER SIZE	EMBEDDED PLATE SIZE	BASE PLATE SIZE
1	STPL–1 STPL–2 STPL–3	REMOVABLE	W14X61	1'–7"x2'–3"x 3/4" THK.	1'–4"x2'–0"x 3/4" THK.

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROADWAY TO AVOID LEAKAGES DURING FLOOD.
2. INSTALLATION STEPS FOR REMOVABLE POST ARE AS FOLLOWS:
   a) REMOVE COUNTER SUNK BOLTS AT LOCATION STLP–1 TO STLP–3
   b) CLEAN THE DUST WITH BRUSH ON TOP OF EMBEDDED PLATE
   c) PLACE "RUBBER GASKET MATERIAL" TO MATCH WITH SIZE OF COLUMN BASE PLATE
   d) PLACE IN POSITION RESPECTIVE STOP LOG POST WITH ANCHOR BOLTS.
   e) PLACE PLANKS WITH THEIR RESPECTIVE SPANS AND POSITION ID'S (PLANKS TO BE PROVIDED ID'S BY MANUFACTURER)
   f) CARE SHOULD BE TAKEN TO PLACE THE BOTTOM MOST PLANKS CORRECTLY TO MATCH THE CROWN SURFACE OF THE ROAD.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

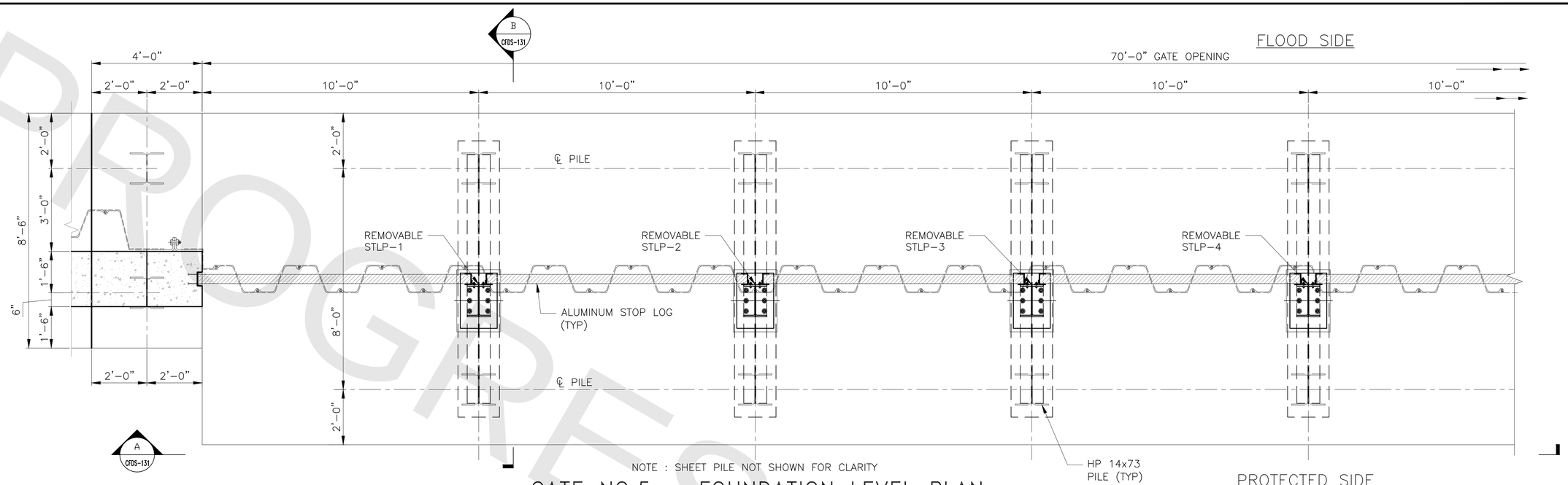
TOWN: BRIDGEPORT

DRAWING TITLE: STOP LOG 4 SECTIONS & DETAILS

PROJECT NO. 15-384
DRAWING NO. CFDS-121
SHEET NO. 01.22.121

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-120-121.dwg
DATE/TIME = Jan 21, 2022 – 3:35pm

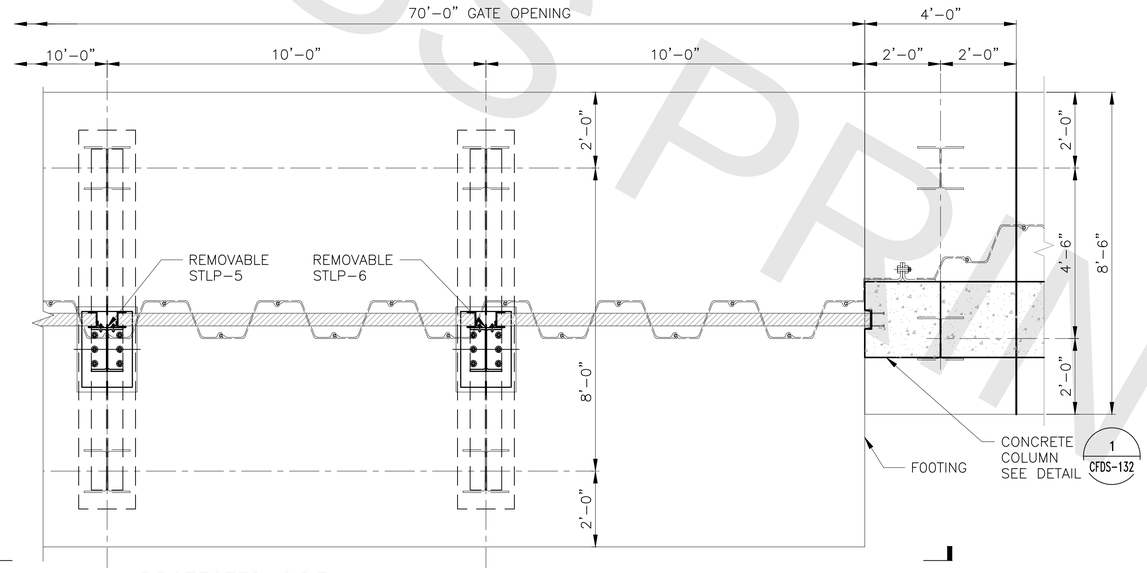
PROGRESS PRINTS



NOTE : SHEET PILE NOT SHOWN FOR CLARITY

GATE NO.5 – FOUNDATION LEVEL PLAN

SCALE: ½" = 1'-0"



NOTE : SHEET PILE NOT SHOWN FOR CLARITY

GATE NO. 5 – FOUNDATION LEVEL PLAN

SCALE: ½" = 1'-0"

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROADWAY TO AVOID LEAKAGES DURING FLOOD.
2. FOR STLP MEMBER SIZES SEE DWG. NO. CFDS–132.
3. INSTALLATION STEPS FOR REMOVABLE POST ARE AS FOLLOWS:
   a) REMOVE COUNTER SUNK BOLTS AT LOCATION STLP–1 TO STLP–6
   b) CLEAN THE DUST WITH BRUSH ON TOP OF EMBEDDED PLATE
   c) PLACE "RUBBER GASKET MATERIAL" TO MATCH WITH SIZE OF COLUMN BASE PLATE
   d) PLACE IN POSITION RESPECTIVE STOP LOG POST WITH ANCHOR BOLTS.
   e) PLACE PLANKS WITH THEIR RESPECTIVE SPANS AND POSITION ID'S (PLANKS TO BE PROVIDED ID'S BY MANUFACTURER)
   f) CARE SHOULD BE TAKEN TO PLACE THE BOTTOM MOST PLANKS CORRECTLY TO MATCH THE SURFACE OF THE ROAD.

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

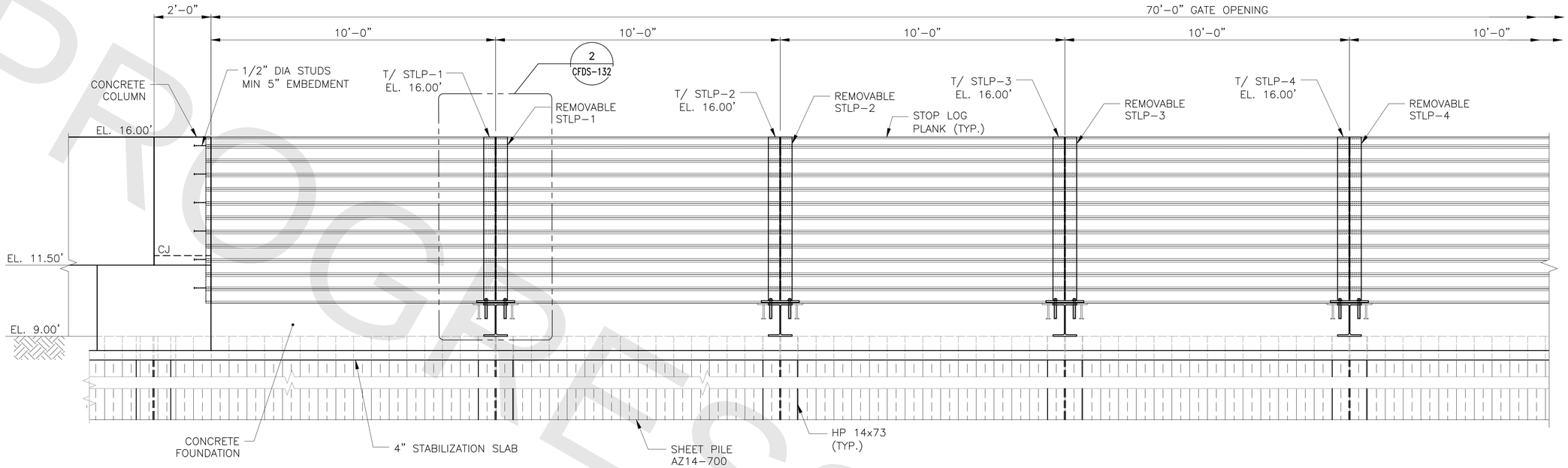
DRAWING TITLE: STOP LOG 5 GENERAL PLAN

PROJECT NO. 15-384

DRAWING NO. CFDS-130

SHEET NO. 01.22.130

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-130-132.dwg
DATE/TIME = Jan 21, 2022 – 3:35pm



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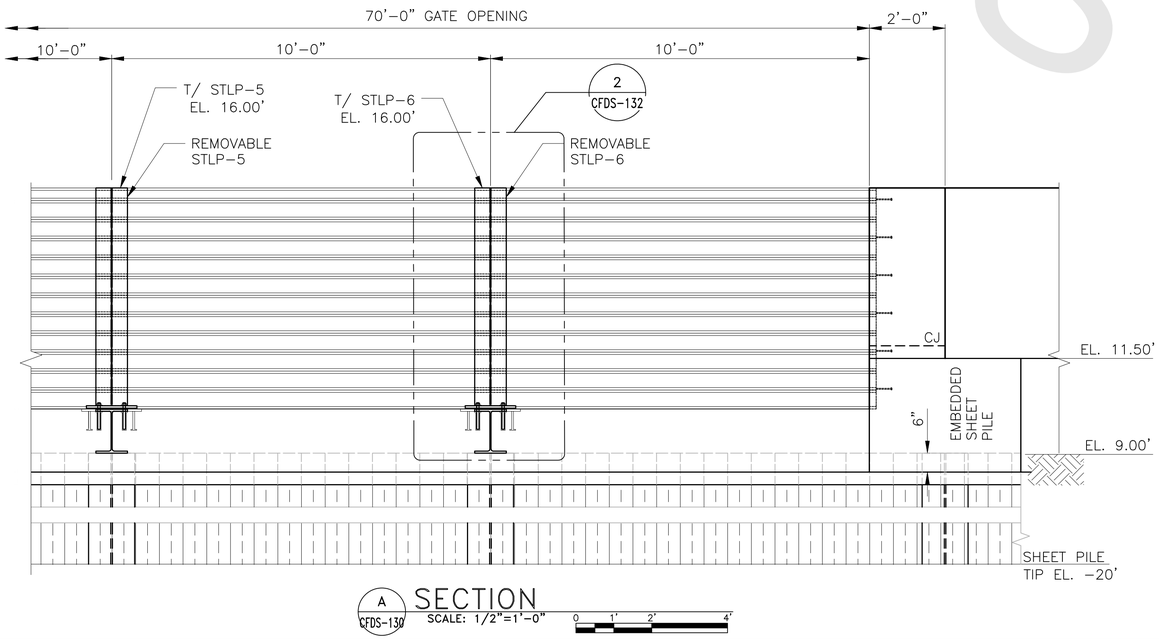

A CFDS-130 SECTION
SCALE: 1/2"=1'-0"

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROADWAY TO AVOID LEAKAGES DURING FLOOD.
2. FOR STLP MEMBER SIZES SEE DWG. NO. CFDS-132.
3. INSTALLATION STEPS FOR REMOVABLE POST ARE AS FOLLOWS:
   a) REMOVE COUNTER SUNK BOLTS AT LOCATION STLP-1 TO STLP-5
   b) CLEAN THE DUST WITH BRUSH ON TOP OF EMBEDDED PLATE
   c) PLACE "RUBBER GASKET MATERIAL" TO MATCH WITH SIZE OF COLUMN BASE PLATE
   d) PLACE IN POSITION RESPECTIVE STOP LOG POST WITH ANCHOR BOLTS.
   e) PLACE PLANKS WITH THEIR RESPECTIVE SPANS AND POSITION ID'S (PLANKS TO BE PROVIDED ID'S BY MANUFACTURER)
   f) CARE SHOULD BE TAKEN TO PLACE THE BOTTOM MOST PLANKS CORRECTLY TO MATCH THE SURFACE OF THE ROAD.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

PROGRESS PRINT

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

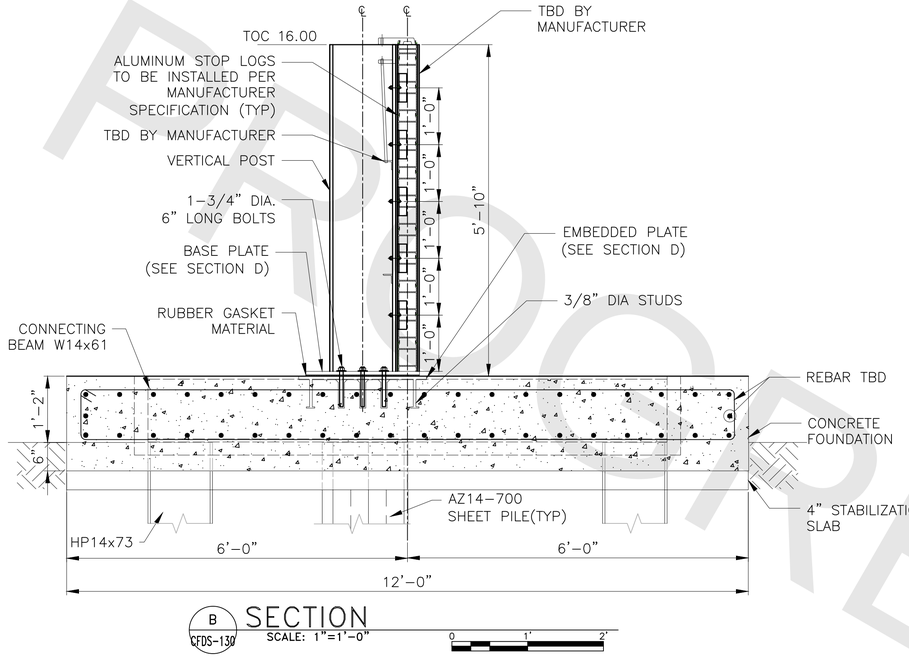
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: STOP LOG 5 ELEVATION

PROJECT NO. 15-384
DRAWING NO. CFDS-131
SHEET NO. 01.22.131

FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-130-132.dwg
DATE/TIME = Jan 21, 2022 - 3:35pm



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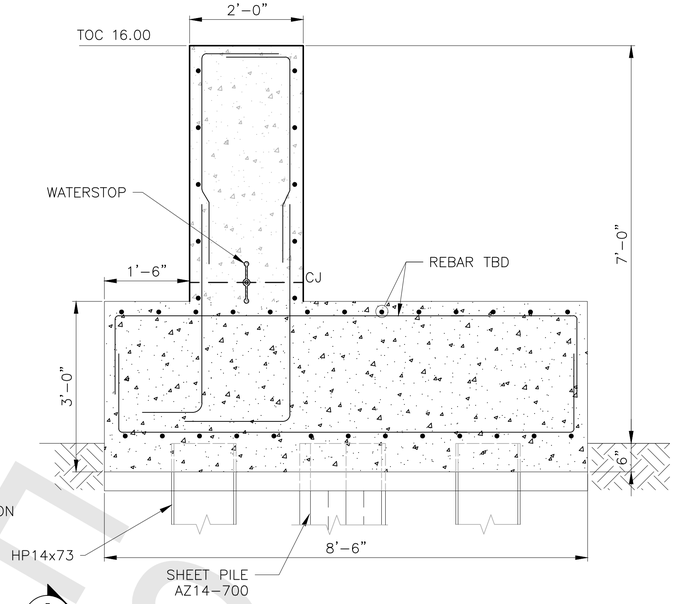

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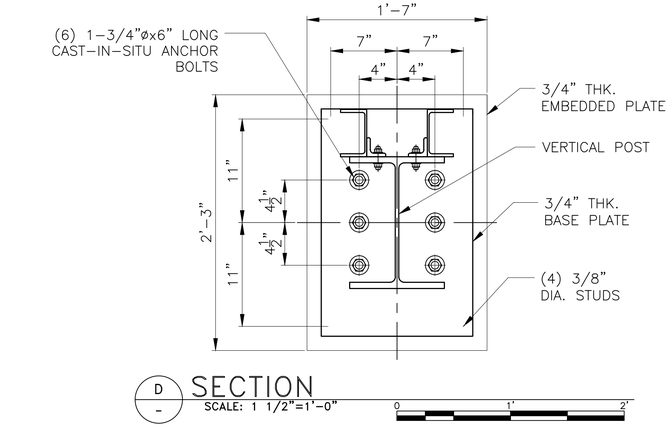
SCALE: 1"=1'-0"



D – SECTION
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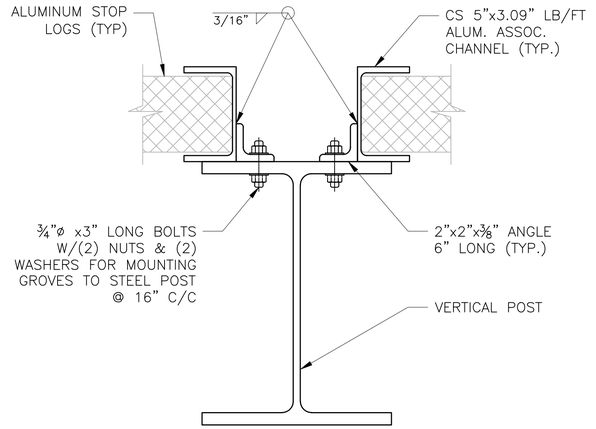

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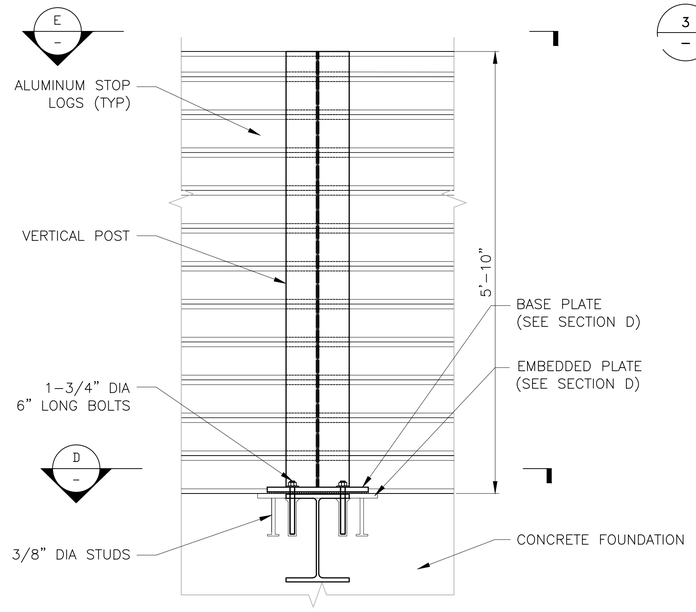

2 CFDS-131 DETAIL
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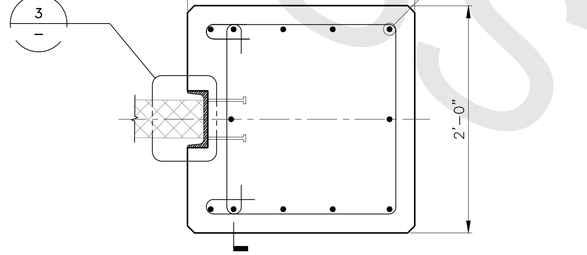

1 CFDS-130 COLUMN DETAIL
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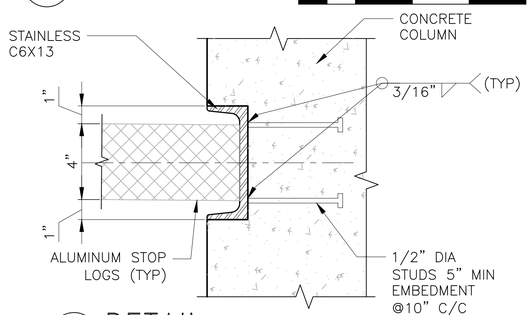

3 – DETAIL
SCALE: 3"=1'-0"

TABLE:

SL .NO	STOP LOG MARK	POST TYPE	VERTICAL POST MEMBER SIZE	EMBEDDED PLATE SIZE	BASE PLATE SIZE
1	STPL–1 TO STPL–6	REMOVABLE	W14X61	1'–7"x2'–3"x 3/4" THK.	1'–4"x2'–0"x 3/4" THK.

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROADWAY TO AVOID LEAKAGES DURING FLOOD.
2. INSTALLATION STEPS FOR REMOVABLE POST ARE AS FOLLOWS:
   a) REMOVE COUNTER SUNK BOLTS AT LOCATION STLP–1 TO STLP–6
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   c) PLACE "RUBBER GASKET MATERIAL" TO MATCH WITH SIZE OF COLUMN BASE PLATE
   d) PLACE IN POSITION RESPECTIVE STOP LOG POST WITH ANCHOR BOLTS.
   e) PLACE PLANKS WITH THEIR RESPECTIVE SPANS AND POSITION ID'S (PLANKS TO BE PROVIDED ID'S BY MANUFACTURER)
   f) CARE SHOULD BE TAKEN TO PLACE THE BOTTOM MOST PLANKS CORRECTLY TO MATCH THE SURFACE OF THE ROAD.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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00	1/21/2022	90% PROGRESS SUBMITTAL

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CHECKED BY: -

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2200 Prytania St. New Orleans, LA

ARCADIS
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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

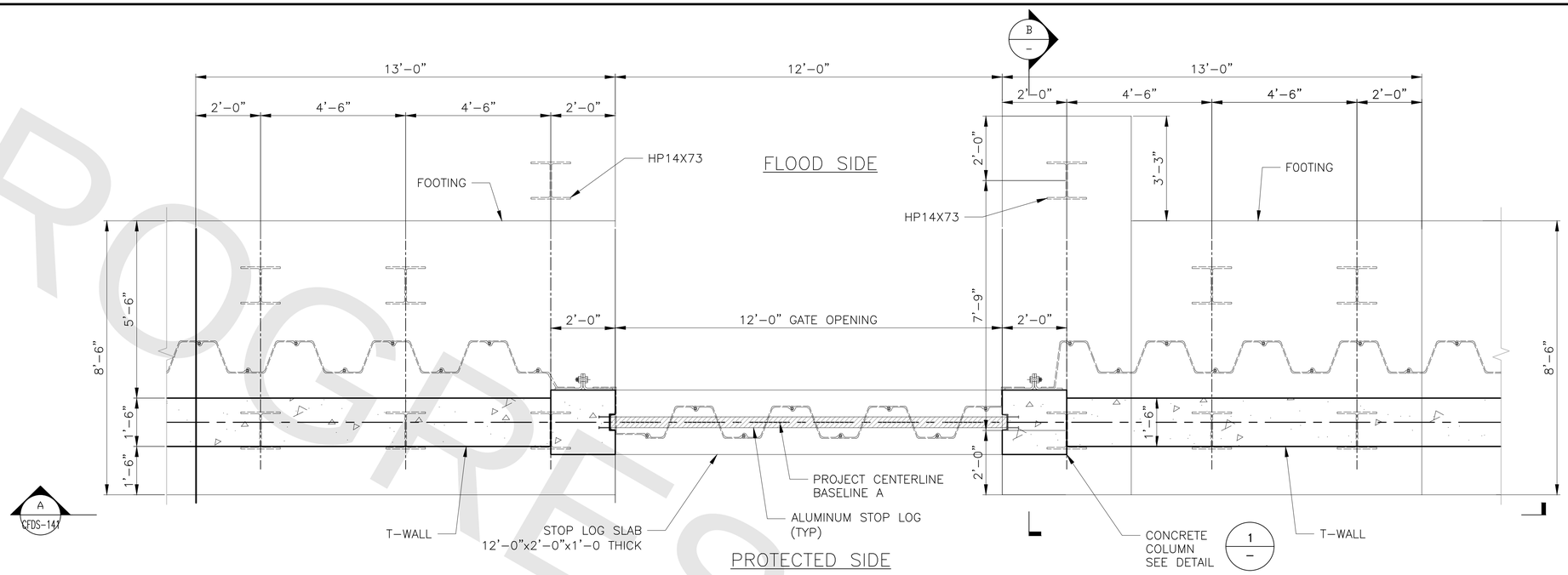
DRAWING TITLE: STOP LOG 5 SECTIONS & DETAILS

PROJECT NO. 15-384
DRAWING NO. CFDS-132
SHEET NO. 01.22.132

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-130-132.dwg
DATE/TIME = Jan 21, 2022 - 3:35pm

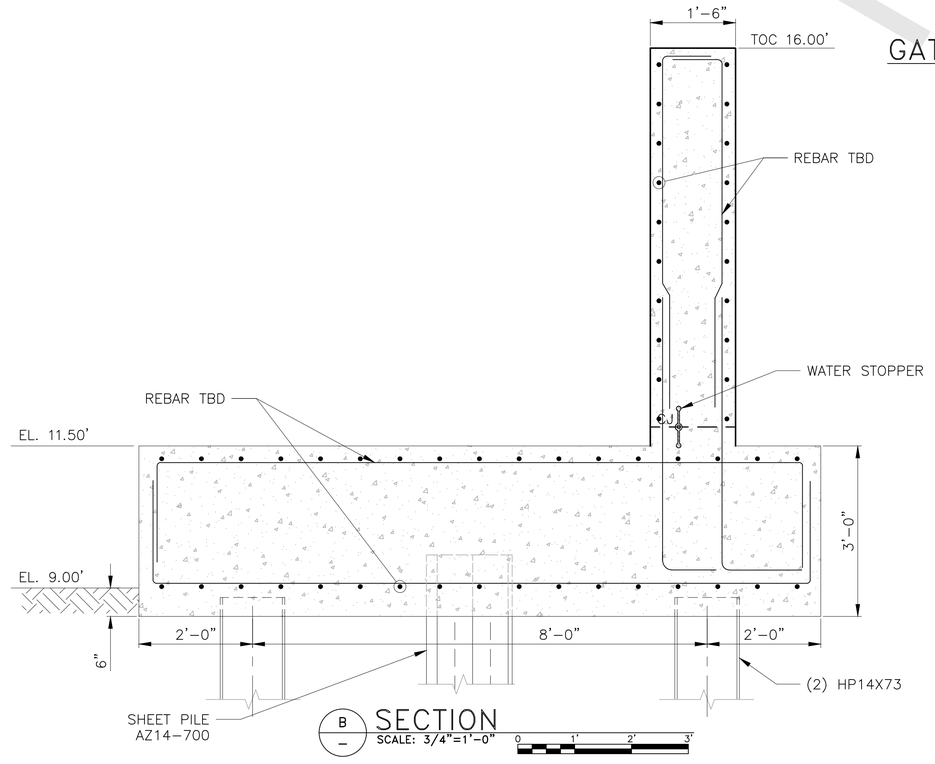
PROGRESS PRINTS

PROGRESS PRINTS



GATE NO. 6/7/8 – FOUNDATION LEVEL PLAN

SCALE: ½" = 1'-0"



B – SECTION
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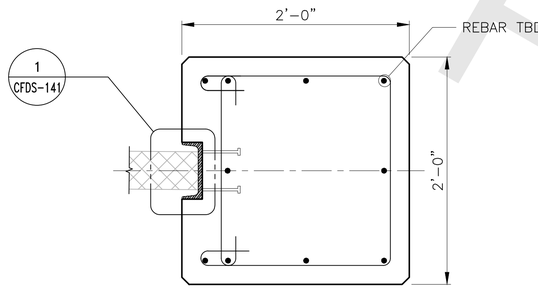

1 – COLUMN DETAIL
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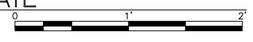

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROADWAY TO AVOID LEAKAGES DURING FLOOD.
2. 12' STOP LOG CONCEPT PROVIDED FOR GATE LOCATIONS 6, 7 AND 8. MONOLITHS WILL BE DETAILED FOR EACH LOCATION IN 90% DESIGN.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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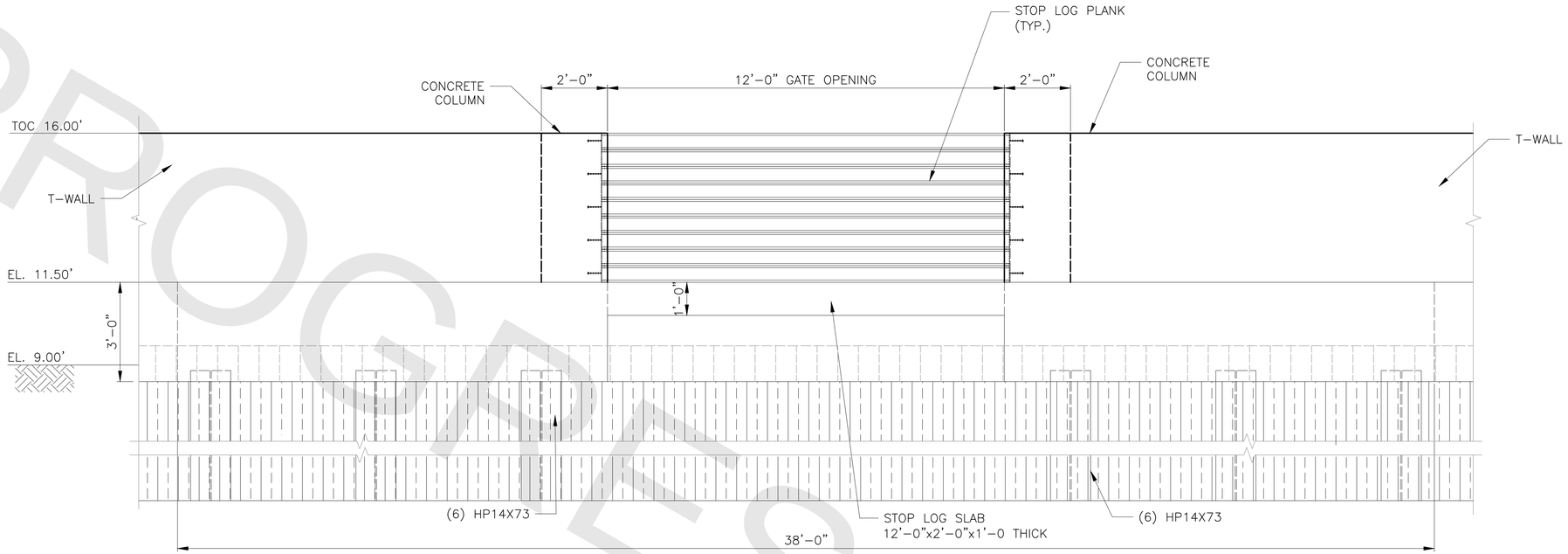
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: STOP LOGS 6, 7, & 8 LAYOUT AND ELEVATION

PROJECT NO. 15-384
DRAWING NO. CFDS-140
SHEET NO. 01.22.140

FILE NAME = C:\Users\SP00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-140-141.dwg
DATE/TIME = Jan 21, 2022 - 3:35pm



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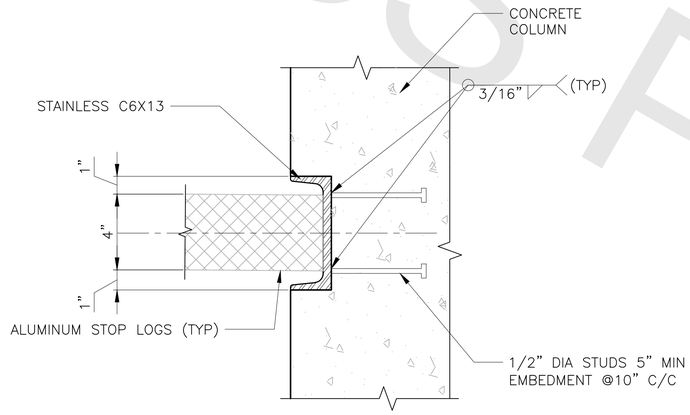

1 CFDS-140 **DETAIL**
SCALE: 3"=1'-0"

NOTES:

1. BOTTOM MOST STOP LOG PLANK MUST BE MANUFACTURED WITH RUBBER SEAL TO MATCH WITH ROADWAY TO AVOID LEAKAGES DURING FLOOD.
2. 12' STOP LOG CONCEPT PROVIDED FOR GATE LOCATIONS 6, 7 AND 8. MONOLITHS WILL BE DETAILED FOR EACH LOCATION IN 90% DESIGN.

PROGRESS PRINTS

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ARCADIS
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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: STOP LOGS 6, 7, & 8 SECTIONS AND DETAILS

PROJECT NO. 15-384
DRAWING NO. CFDS-141
SHEET NO. 01.22.141

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-140-141.dwg
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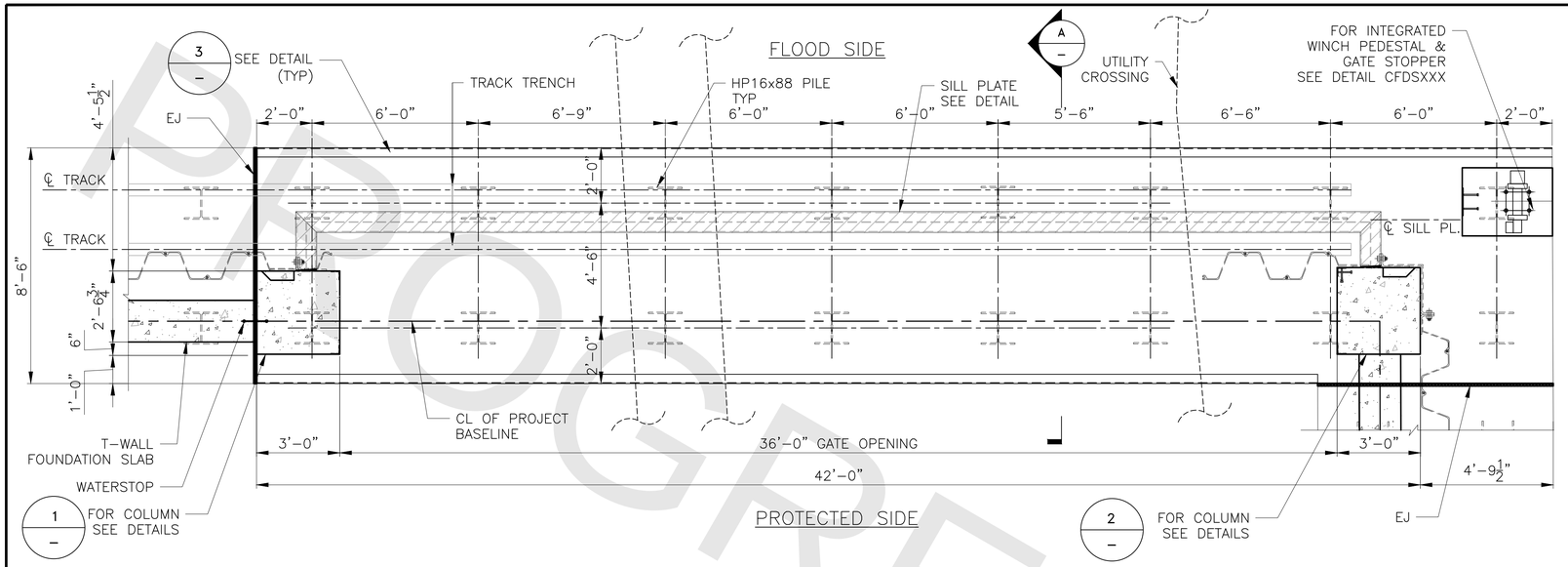
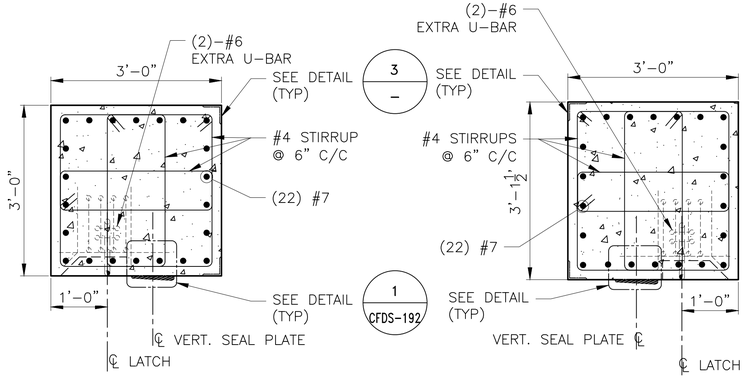
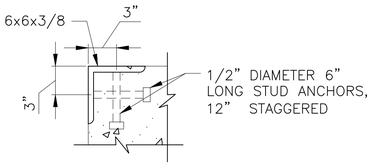




1 – DETAIL
SCALE:– 3/4" = 1'–0"

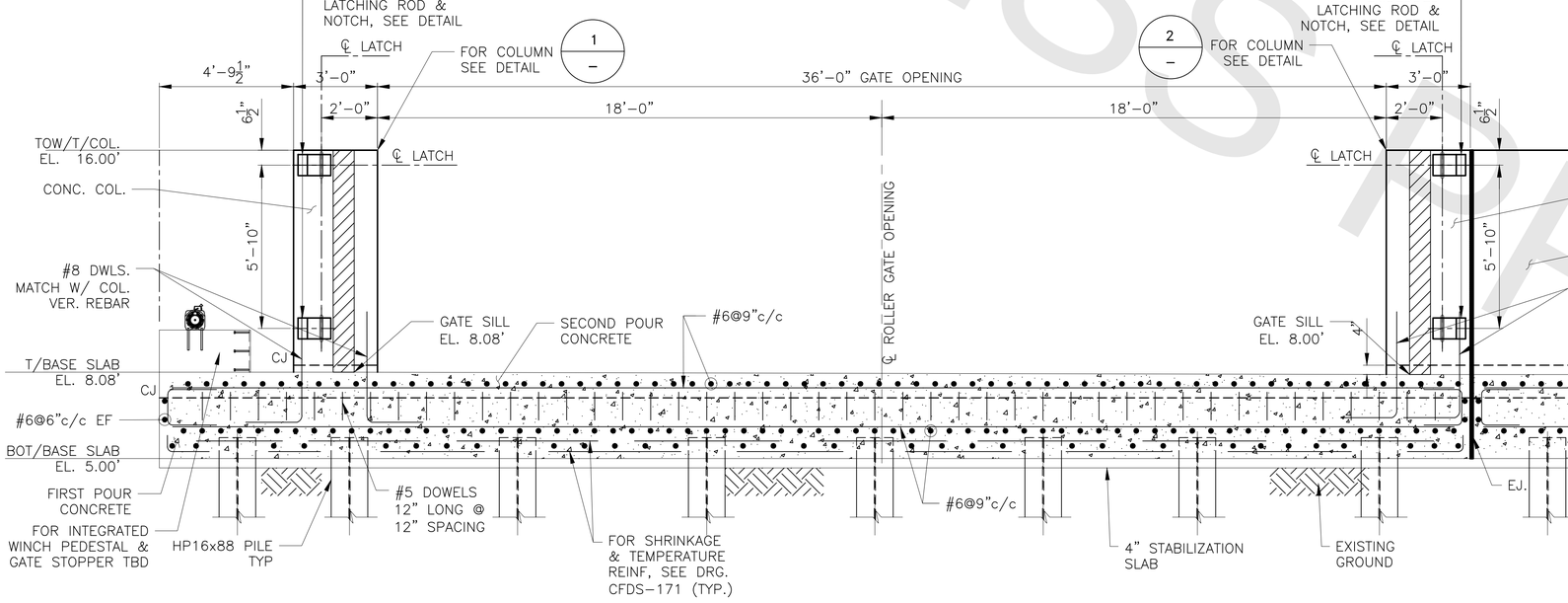
2 – DETAIL
SCALE:– 3/4" = 1'–0"



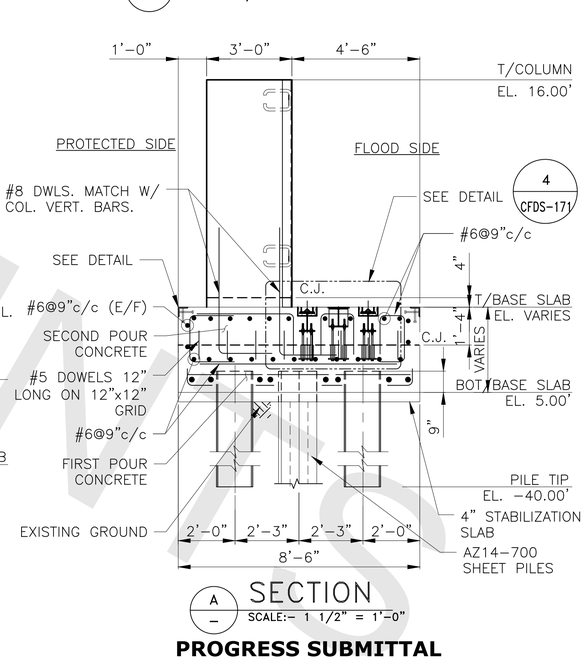
3 – DETAIL
SCALE:– 3/4" = 1'–0"

GATE NO. 9 – FERRY ACCESS ROAD ROLLER GATE–FOUNDATION LEVEL PLAN

SCALE: ⅜" = 1'–0"



NOTE : SHEET PILE NOT SHOWN FOR CLARITY



A – SECTION
SCALE:– 1 1/2" = 1'–0"

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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DESIGNER/DRAFTER: -
CHECKED BY: -

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

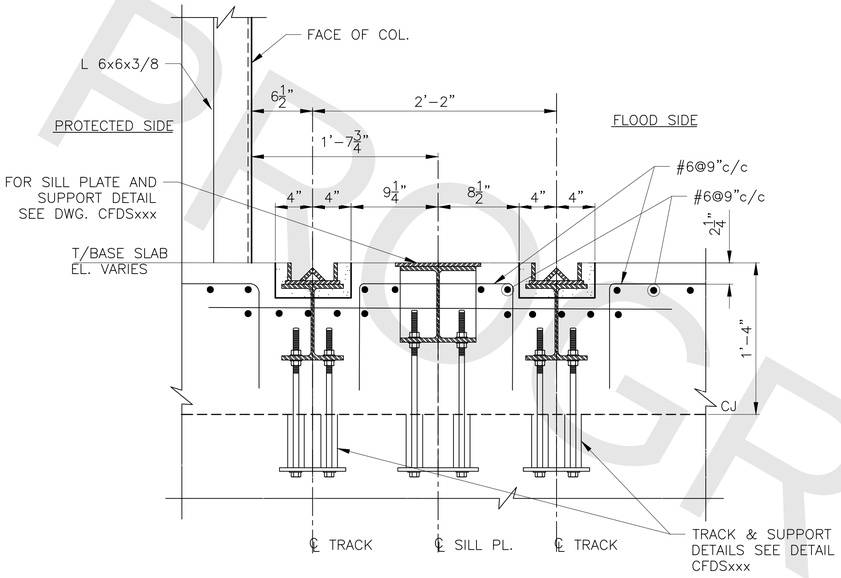
TOWN: BRIDGEPORT

DRAWING TITLE: ROLLER GATE 9 MONOLITH DETAILS 1

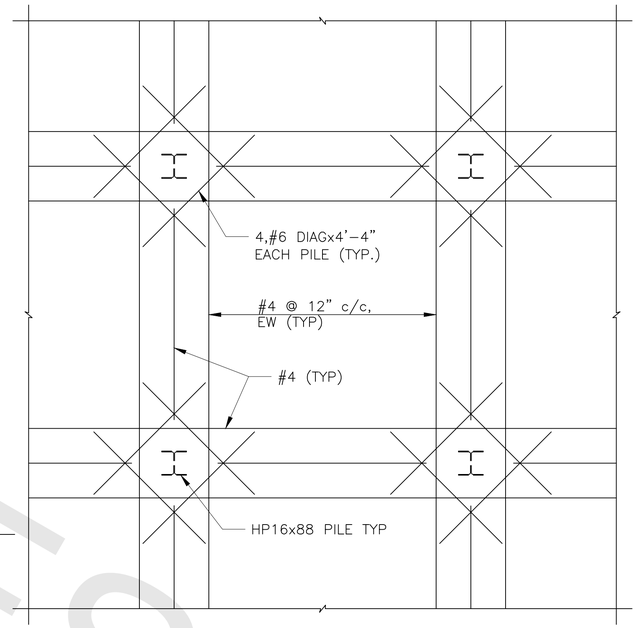
PROJECT NO. 15-384
DRAWING NO. CFDS-170
SHEET NO. 01.22.170

PROGRESS

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS–170–171.dwg
DATE/TIME = Jan 21, 2022 – 3:35pm

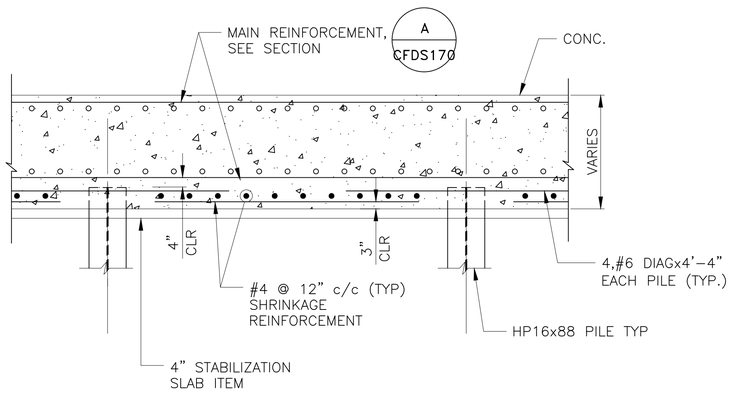


4 CFDS-170 DETAIL
SCALE:- 1 1/2" = 1'-0"



B -

TYPICAL TEMPERATURE AND SHRINKAGE REINFORCEMENT PLAN
NOT TO SCALE



B - SECTION
SCALE:- 3/8" = 1'-0"

NOTES:

1. FOR CONCRETE MONOLITH PILE LAYOUT, SEE DWG. CFDS-170.
2. FOR GATE DETAILS, SEE DWG. CFDS-173 TO CFDS-174.
3. FOR TYPICAL UTILITY CROSSING CONCEPTS, SEE DWG. CFDS-083 TO CFDS-085.
4. FOR LATCHING HOOK DETAILS SEE DWG. CFDS-190.
5. FOR TRACK & SILL PLATE DETAILS AT GATE MONOLITH AND STORAGE MONOLITH DETAILS SEE DWG. CFDS-171 AND CFDS-173.

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: ROLLER GATE 9 MONOLITH DETAILS 2

PROJECT NO. 15-384
DRAWING NO. CFDS-171
SHEET NO. 01.22.171

FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-170-171.dwg
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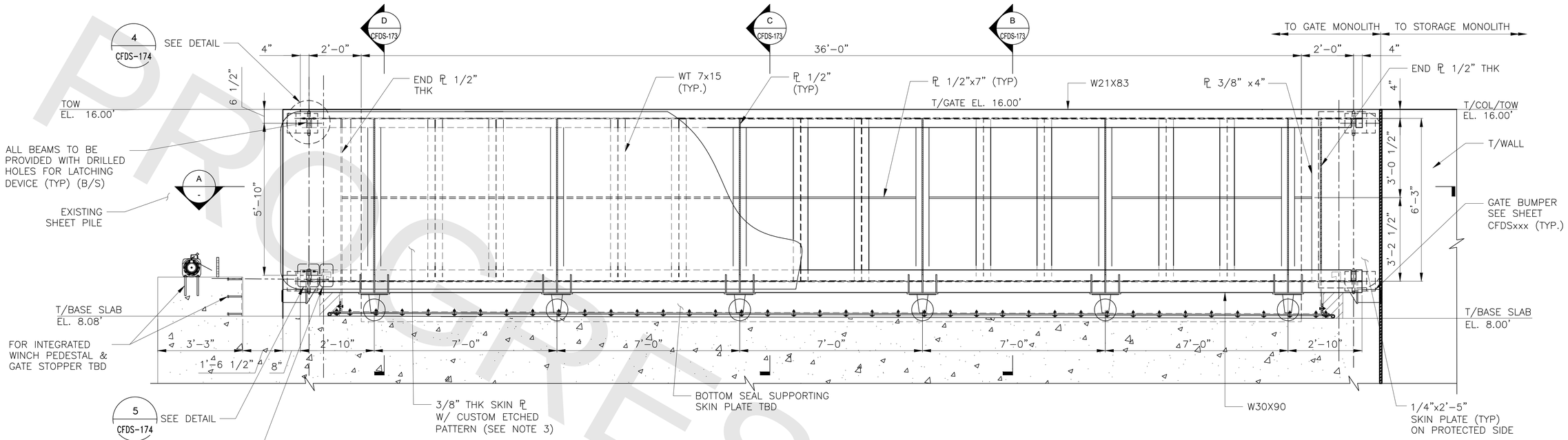
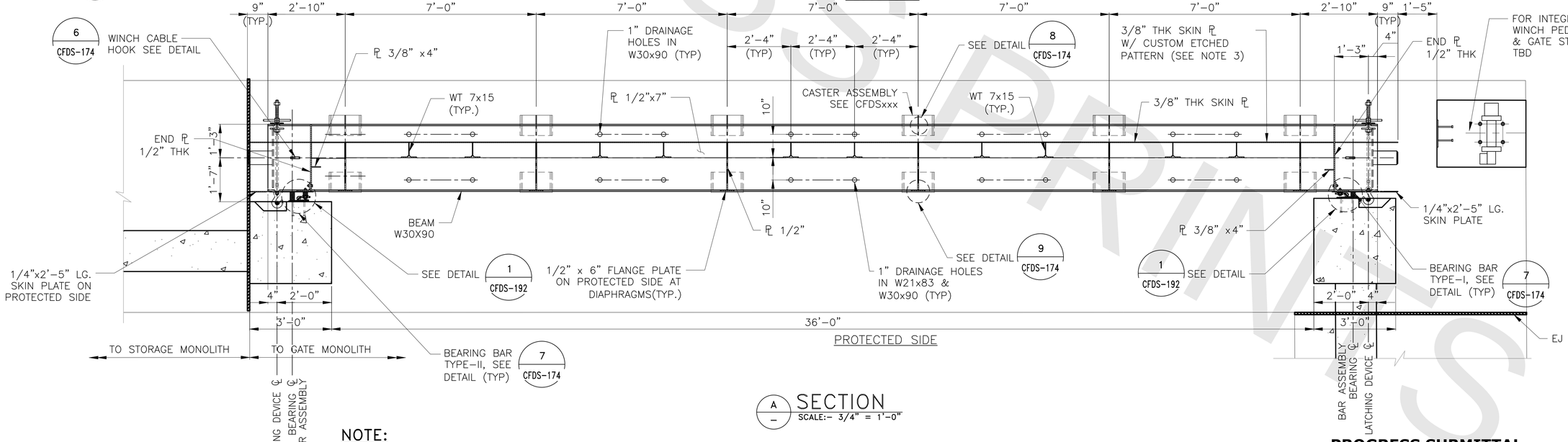


GATE NO. 9 – FERRY ACCESS ROAD ROLLER GATE–FLOOD SIDE ELEVATION

SCALE: ½" = 1'-0"



A SECTION

SCALE:– 3/4" = 1'-0"

NOTE:

1. FOR LATCHING DETAILS, SEE DWG. CFDS–190.
2. FOR TYPICAL ROLLER GATE SEAL DETAILS, SEE DWG. CFDS–173 AND CFDS–192 TO CFDS–193.
3. FOR FLOODGATES FINISH AND SKIN PLATE ETCHED PATTERN. SEE SHT. 01.19.320.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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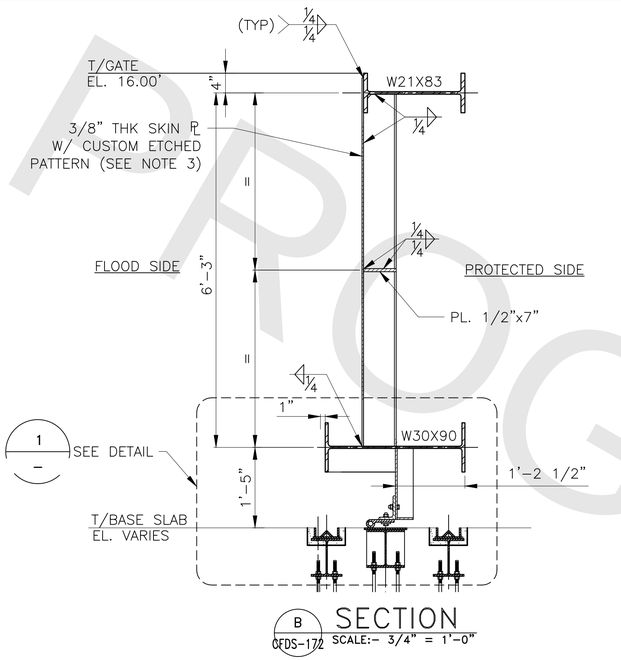
ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

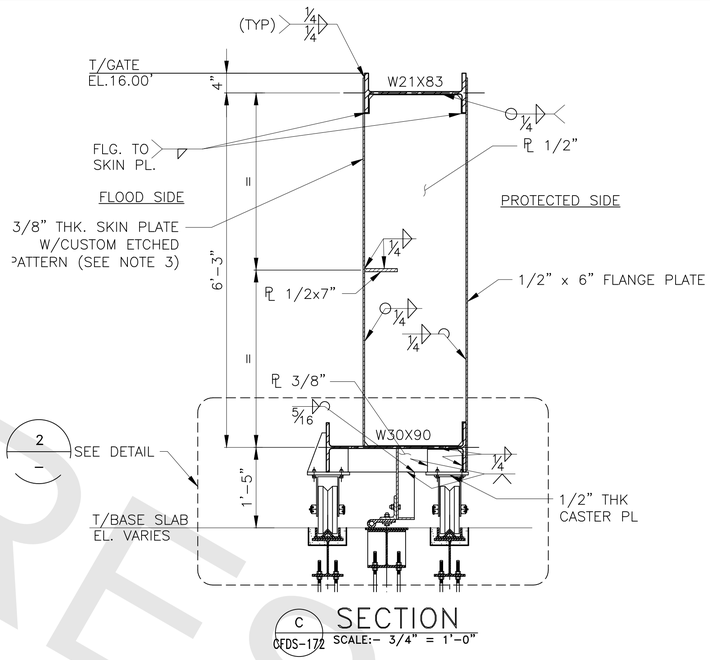
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: ROLLER GATE 9 PLAN & ELEVATION
PROJECT NO. 15-384
DRAWING NO. CFDS-172
SHEET NO. 01.22.172

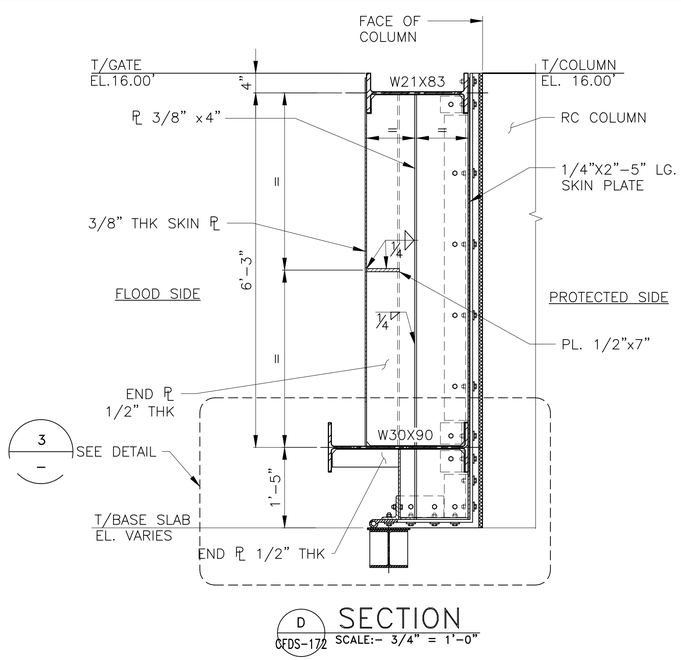
FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-172-174.dwg
DATE/TIME = Jan 21, 2022 – 3:36pm



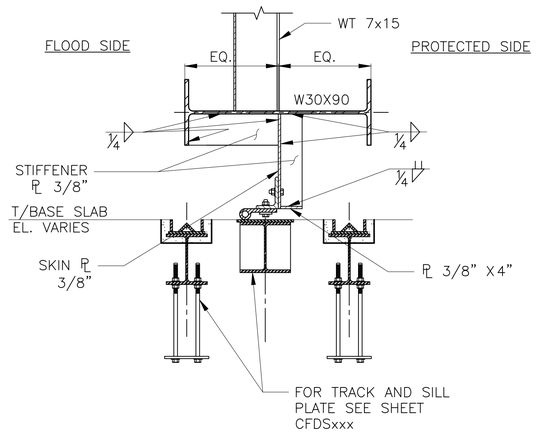
B SECTION
CFDS-172 SCALE:- 3/4" = 1'-0"



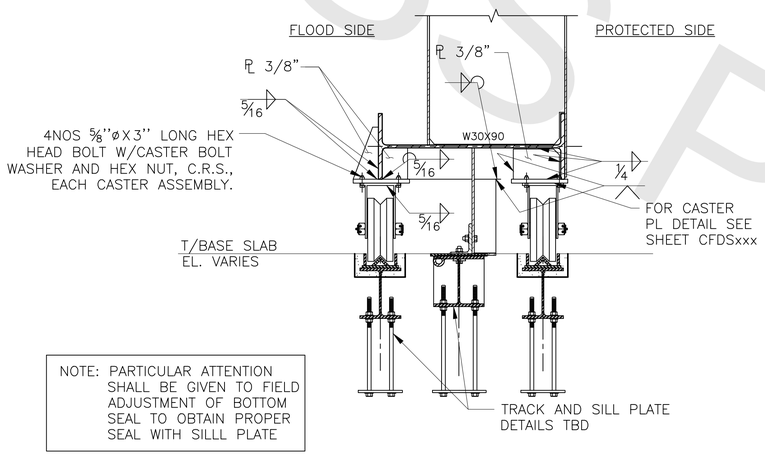
C SECTION
CFDS-172 SCALE:- 3/4" = 1'-0"



D SECTION
CFDS-172 SCALE:- 3/4" = 1'-0"

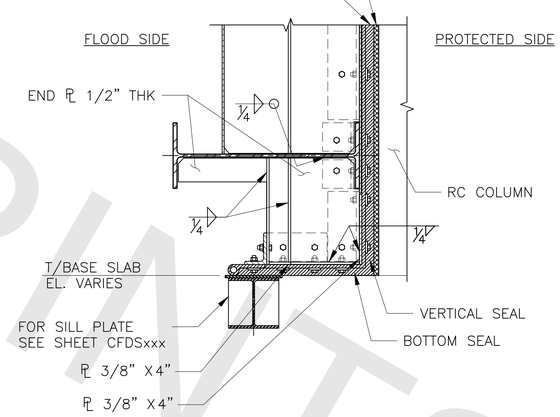


1 DETAIL
SCALE:- 1" = 1'-0"



NOTE: PARTICULAR ATTENTION SHALL BE GIVEN TO FIELD ADJUSTMENT OF BOTTOM SEAL TO OBTAIN PROPER SEAL WITH SILLL PLATE

2 DETAIL
SCALE:- 1" = 1'-0"



3 DETAIL
SCALE:- 1" = 1'-0"

NOTE:

1. FOR LATCHING DETAILS SEE DWG. CFDS-190.
2. FOR TYPICAL ROLLER GATE SEAL DETAILS SEE DWG. CFDS-192 TO CFDS-193
3. FOR FLOODGATES FINISH AND SKIN PLATE ETCHED PATTERN. SEE SHT. 01.19.320.

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

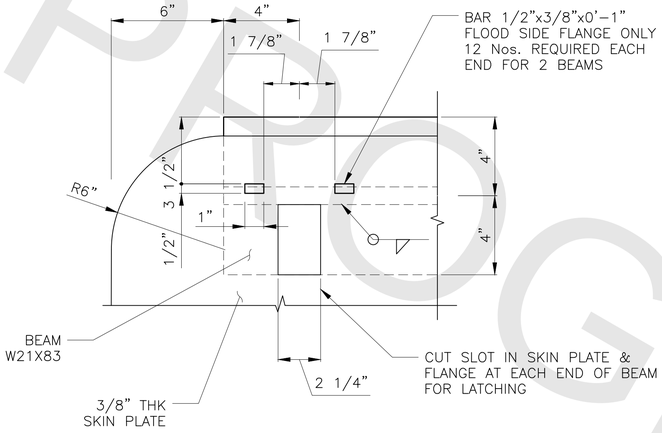
TOWN: BRIDGEPORT

DRAWING TITLE: ROLLER GATE 9 SECTIONS & DETAILS

PROJECT NO. 15-384
DRAWING NO. CFDS-173
SHEET NO. 01.22.173

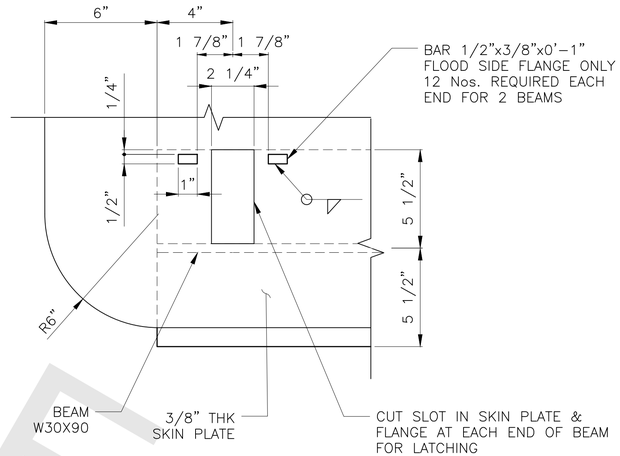
FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-172-174.dwg
DATE/TIME = Jan 21, 2022 - 3:36pm

PROGRESS PRINTS

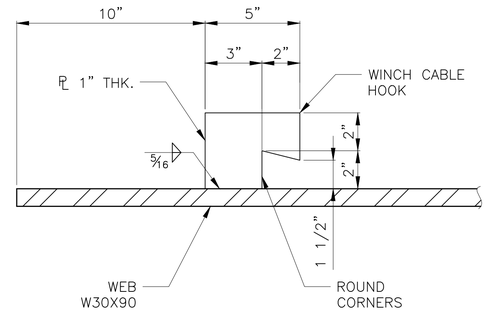


(NOTE: APPLICABLE ONLY FOR TOP GIRDER BEAM)

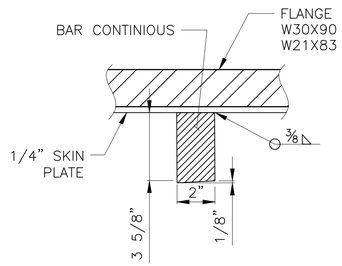
4 CFDS-172 DETAIL
SCALE:- 3" = 1'-0"



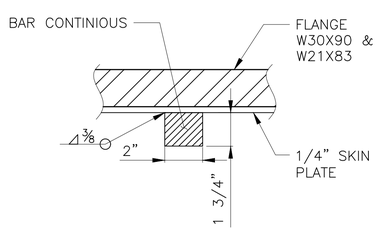
5 CFDS-172 DETAIL
SCALE:- 3" = 1'-0"



6 CFDS-172 WINCH CABLE HOOK
SCALE:- 3" = 1'-0"

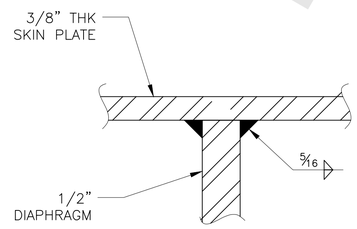


TYPE-I

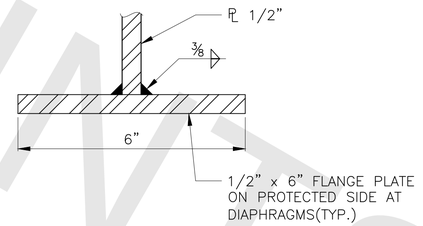


TYPE-II

7 CFDS-172 BEARING BAR DETAIL
SCALE:- 3" = 1'-0"



8 CFDS-172 DETAIL
SCALE:- 1" = 1'-0"



9 CFDS-172 DETAIL
SCALE:- 6" = 1'-0"

NOTE:

1. FOR LATCHING DETAILS SEE DWG. CFDS-190.
2. FOR TYPICAL ROLLER GATE SEAL DETAILS SEE DWG. CFDS-192 TO CFDS-193
3. FOR FLOODGATES FINISH AND SKIN PLATE ETCHED PATTERN. SEE SHT. 01.19.320.

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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00	1/21/2022	90% PROGRESS SUBMITTAL

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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

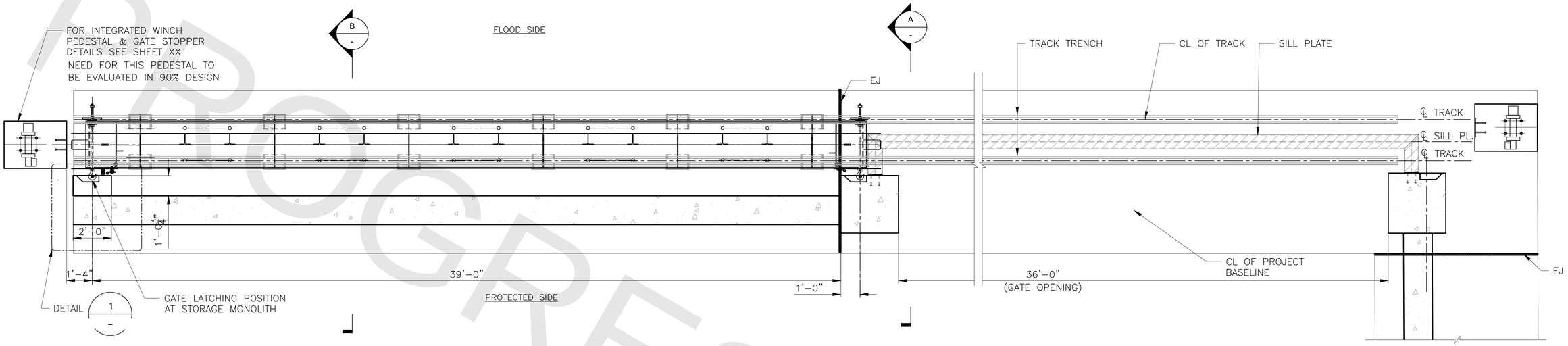
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: ROLLER GATE 9 DETAILS

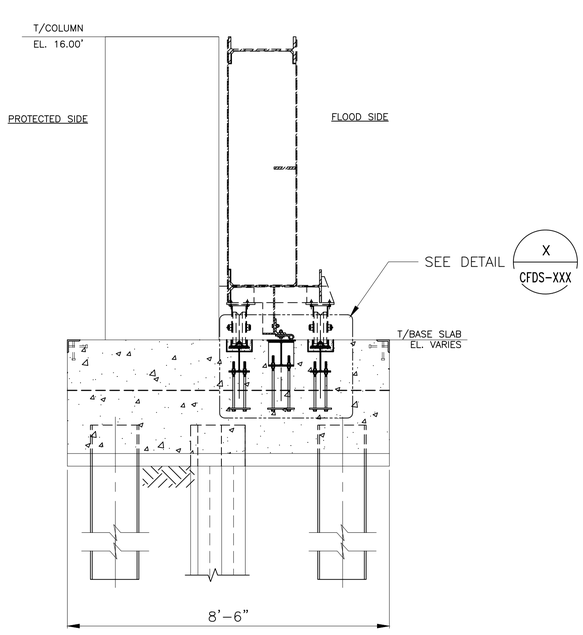
PROJECT NO. 15-384
DRAWING NO. CFDS-174
SHEET NO. 01.22.174

FILE NAME = C:\Users\SP00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-172-174.dwg
DATE/TIME = Jan 21, 2022 - 3:36pm



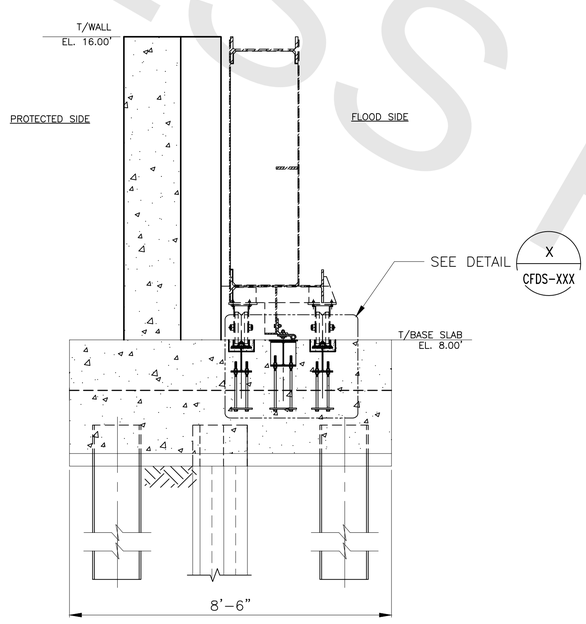
GATE NO. 9 – FERRY ACCESS ROAD ROLLER GATE POSITION IN STORAGE MONOLITH

SCALE: 3/8" = 1'-0"



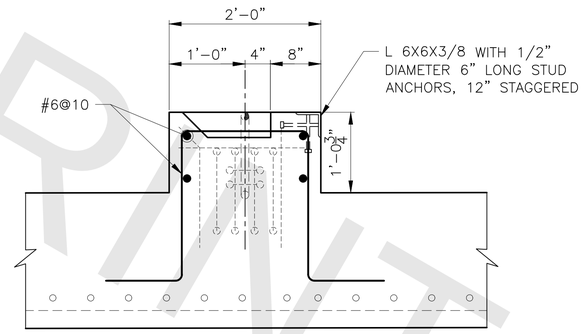
A – SECTION

SCALE:– 1/2" = 1'-0"



B – SECTION

SCALE:– 1/2" = 1'-0"



1 – DETAIL

SCALE:– 1/2" = 1'-0"

PROGRESS PRINTS

PROGRESS SUBMITTAL

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75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

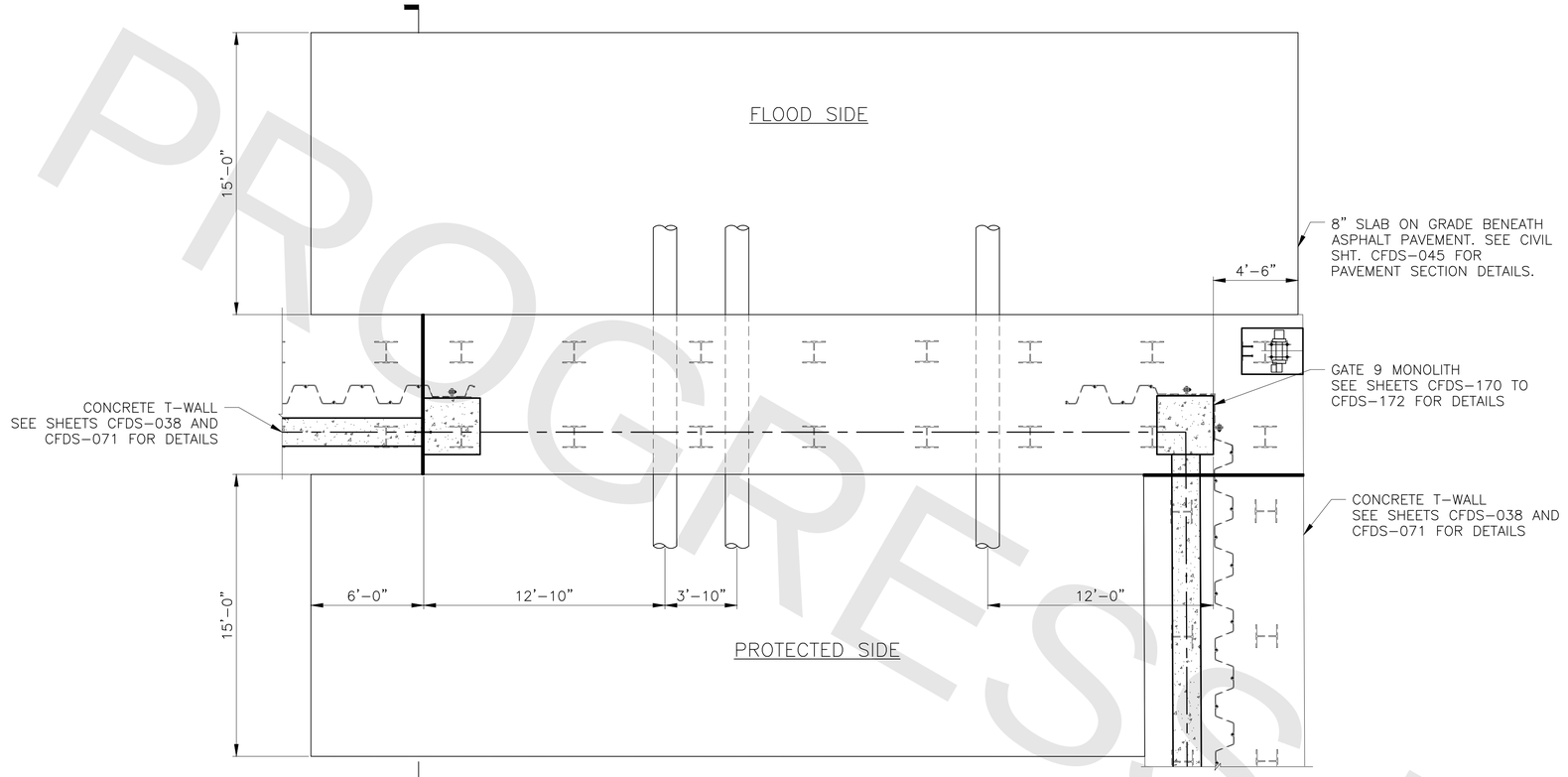
DRAWING TITLE: ROLLER GATE 9 STORAGE MONOLITH

PROJECT NO. 15-384

DRAWING NO. CFDS-175

SHEET NO. 01.22.175

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-175.dwg
DATE/TIME = Jan 21, 2022 – 3:36pm

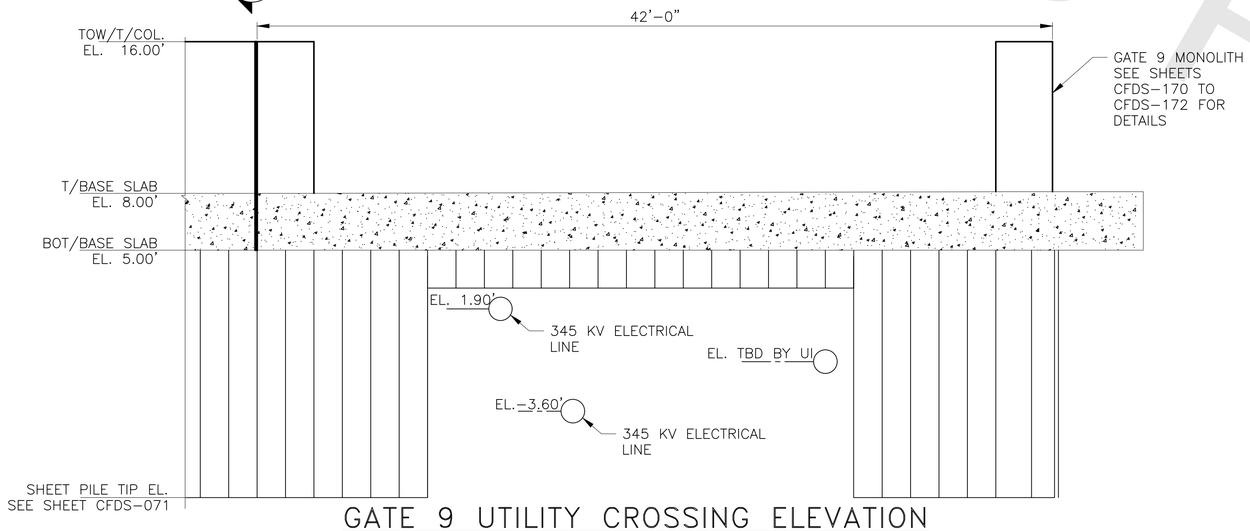


A

GATE 9 UTILITY CROSSING PLAN VIEW

SCALE: ¼" = 1'-0"

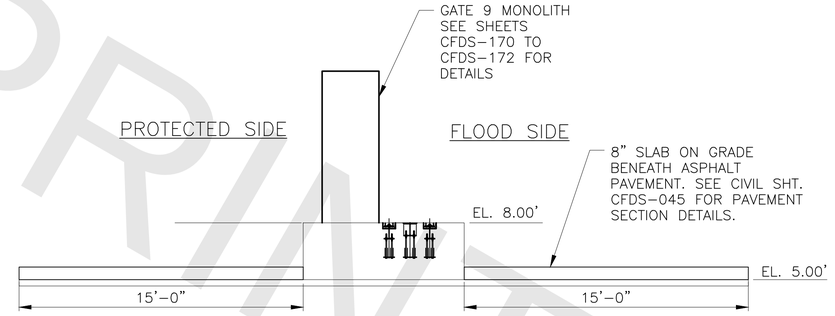
NOTE: SHEET PILES BENEATH MONOLITH NOT SHOWN FOR CLARITY



GATE 9 UTILITY CROSSING ELEVATION

SCALE: ¼" = 1'-0"

NOTE: HP PILES AND SLAB ON GRADE NOT SHOWN FOR CLARITY



A

GATE 9 HORIZONTAL SEEPAGE BARRIER SECTION

SCALE:- 1/4" = 1'-0"

NOTE: HP PILES AND SHEET PILE NOT SHOWN FOR CLARITY

NOTES:

1. UTILITY CONDUIT SIZES AND LOCATIONS TO BE PROVIDED BY UI AND CONFIRMED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
2. FULL LENGTH SHEET PILE MUST OVERLAP CONCRETE SLAB ON GRADE BY A MINIMUM OF 15 FT.

PROGRESS PRINTS

PROGRESS SUBMITTAL

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ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: ROLLER GATE 9 UTILITY CROSSING

PROJECT NO. 15-384

DRAWING NO. CFDS-176

SHEET NO. 01.22.176

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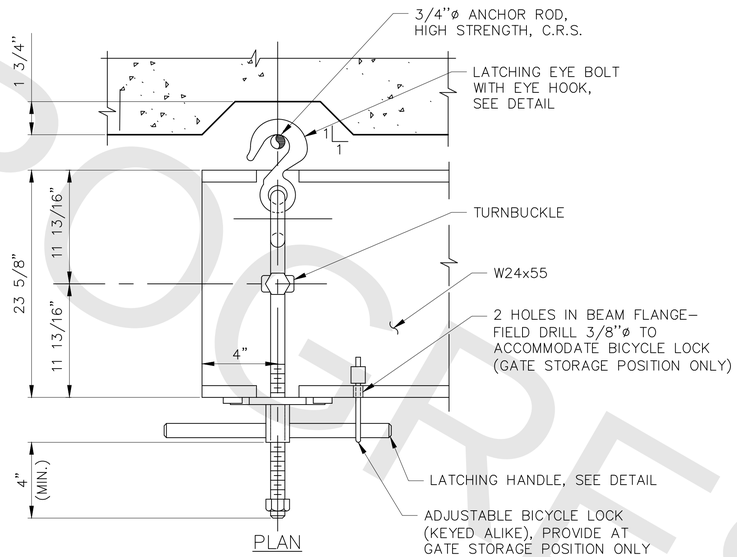
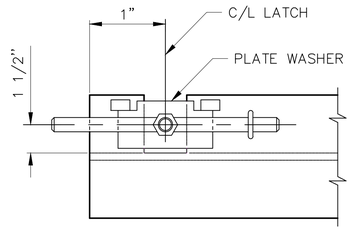
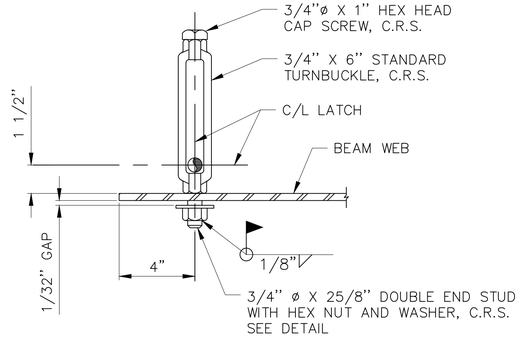


PLAN



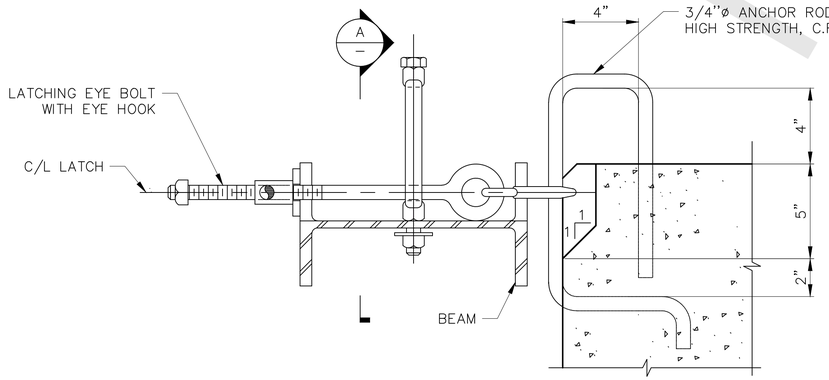
ELEVATION



1/– DETAIL

A/– SECTION

LATCHING DEVICE
NOT TO SCALE



SECTION AT C/L OF LATCHING DEVICE

PROGRESS PRINTS

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
00	1/21/2022	90% PROGRESS SUBMITTAL

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

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CHECKED BY: -

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FLOOD GATE STANDARD DETAILS 1

PROJECT NO. 15-384

DRAWING NO. CFDS-190

SHEET NO. 01.22.190

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-190.dwg
DATE/TIME = Jan 21, 2022 – 3:36pm

PROGRESS PRINTS

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PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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00	1/21/2022	90% PROGRESS SUBMITTAL

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WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FLOOD GATE STANDARD DETAILS 2

PROJECT NO. 15-384

DRAWING NO. CFDS-191

SHEET NO. 01.22.191

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-191.dwg
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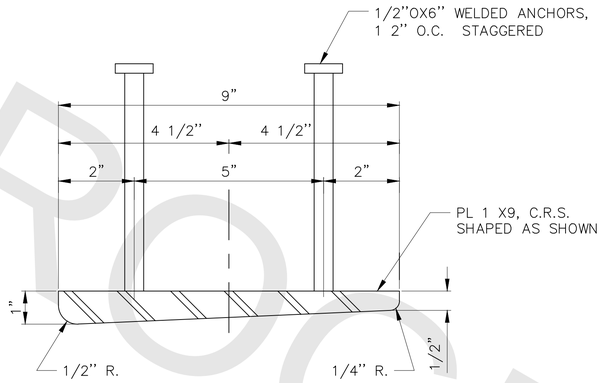
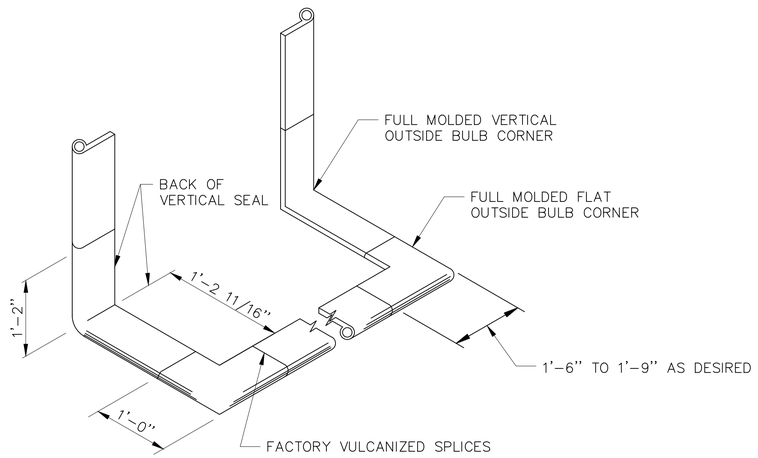


1 VERTICAL SEAL PLATE DETAIL

CFDS-110, 6" = 1'-0"
CFDS-170

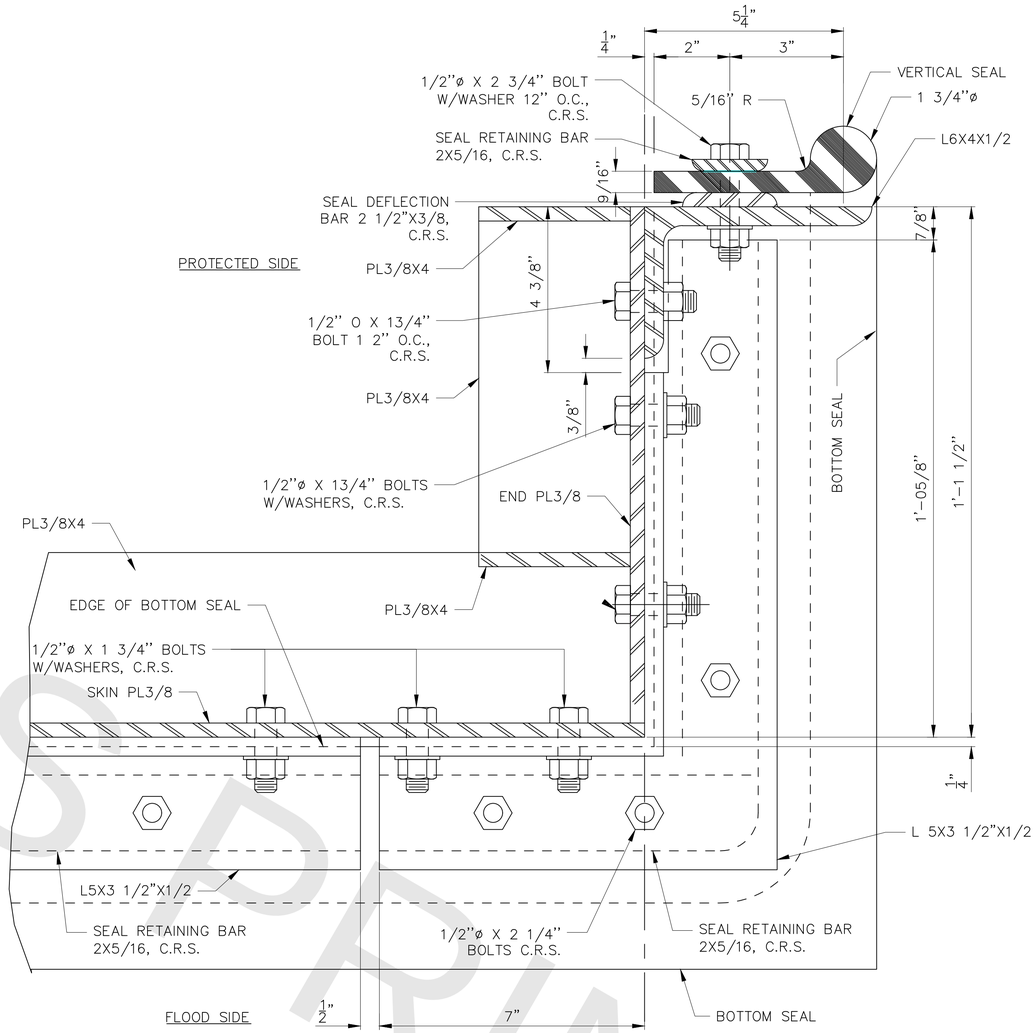


TYPICAL GATE SEAL

NOT TO SCALE

NOTE:

1. ALL INDIVIDUAL 90° CORNER INTERSECTIONS WILL BE FULLY MOLDED.
2. ALL SPLICES WILL BE FACTORY MADE IN HEAVY STEEL PRESS TYPE MOLDS UNDER PRESSURE AND HEAT.
3. ALL SPLICE JOINTS MUST DEVELOP A STRENGTH OF AT LEAST 50% OF THE MINIMUM TENSILE STRENGTH REQUIRED OF THE RUBBER.



VERTICAL SEAL
PLAN AT END OF GATE BELOW W30X90

SCALE: 6" = 1'-0"

REFERENCE DRAWINGS:

1. FOR BOTTOM ROLLER GATE SEAL SUPPORT DETAILS, SEE DWG. CFDS-113, CFDS-173, AND CFDS-193

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: FLOOD GATE STANDARD DETAILS 3

PROJECT NO. 15-384
DRAWING NO. CFDS-192
SHEET NO. 01.22.192

FILE NAME = C:\Users\SP100996\ARCADIS\Bridgeport FRRP Final Design - 5.6.3 Coastal Flood Defense System\Structural\CFDS-192.dwg
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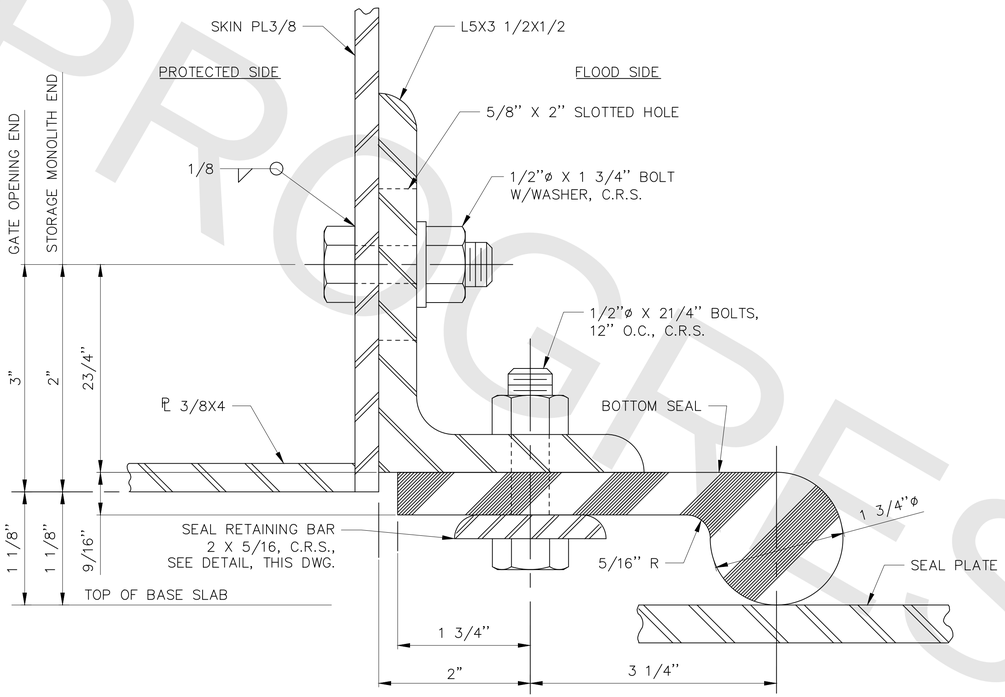
PROGRESS PRINTS

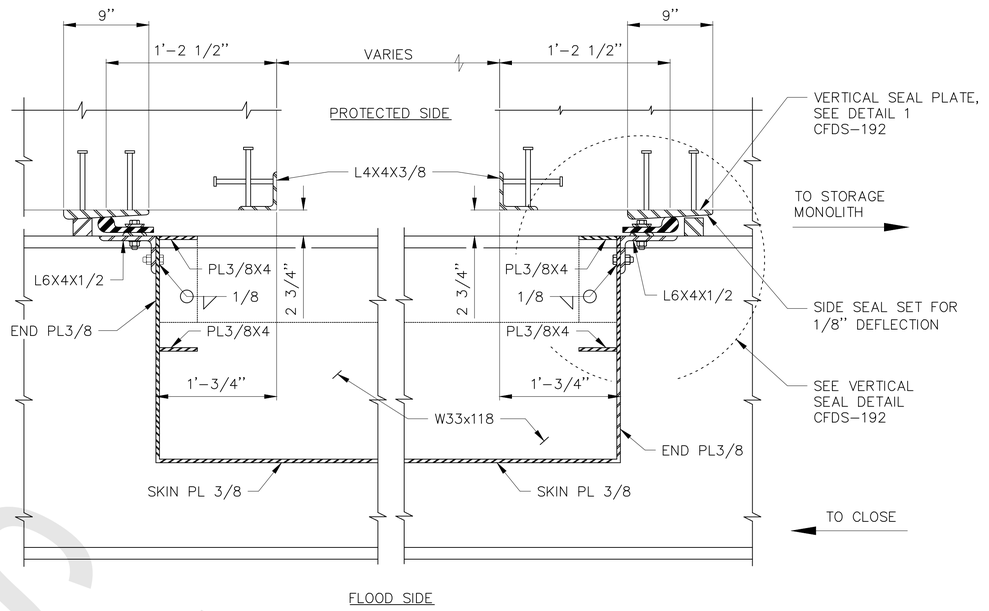


TYPICAL SECTION THRU BOTTOM SEAL

SCALE: 6" = 1'-0"

NOTE:

SET SEAL FOR 0" DEFLECTION. PARTICULAR ATTENTION SHALL BE GIVEN TO FIELD ADJUSTMENT OF BOTTOM SEAL IN ORDER TO OBTAIN A PERFECT SEAL WITH SEAL PLATE.



SECTION THRU ROLLER GATE

SCALE: 6" = 1'-0"

PROGRESS PRINTS

PROGRESS SUBMITTAL

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FLOOD GATE STANDARD DETAILS 4

PROJECT NO. 15-384

DRAWING NO. CFDS-193

SHEET NO. 01.22.193

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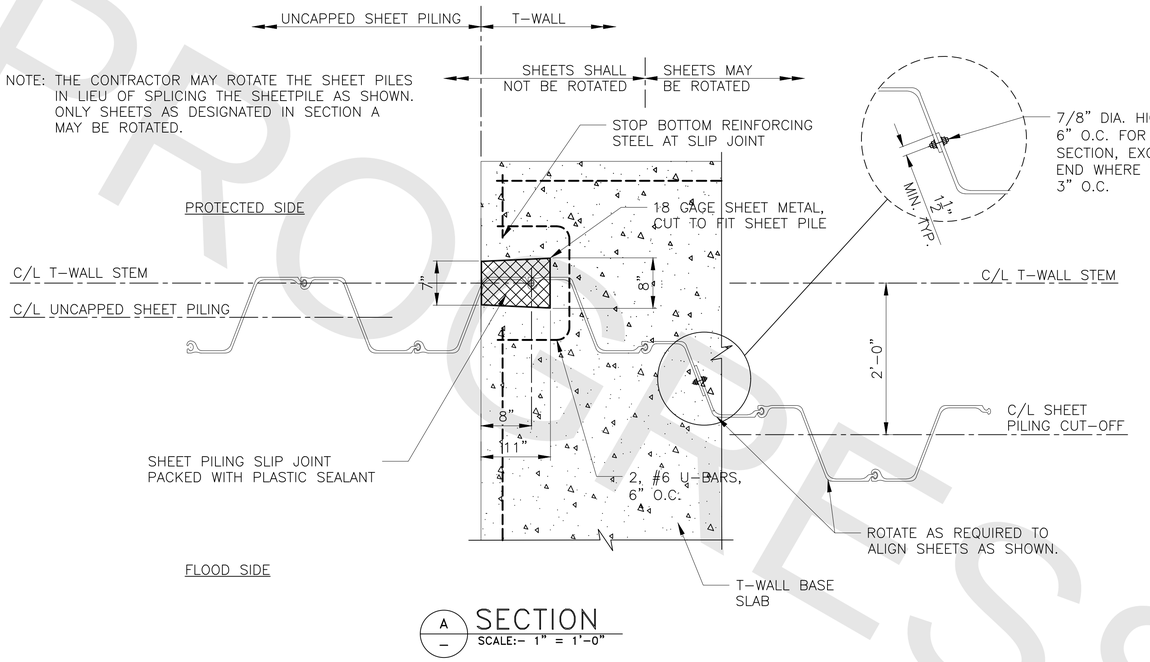

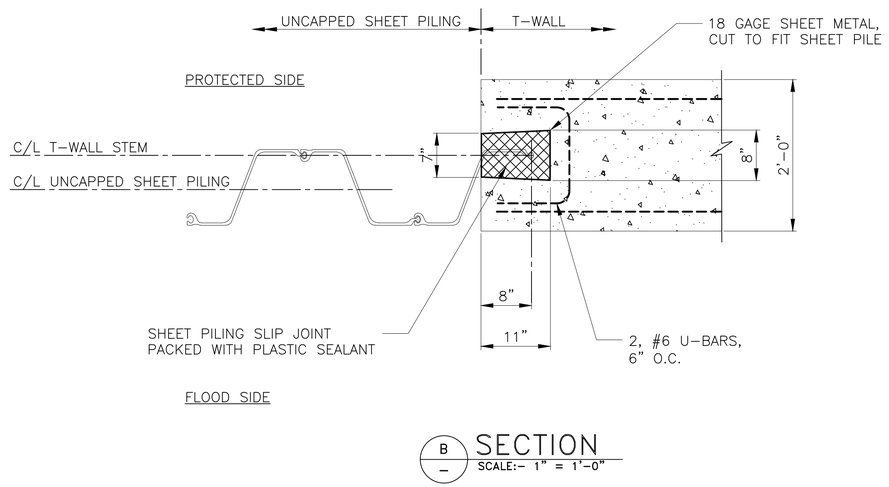

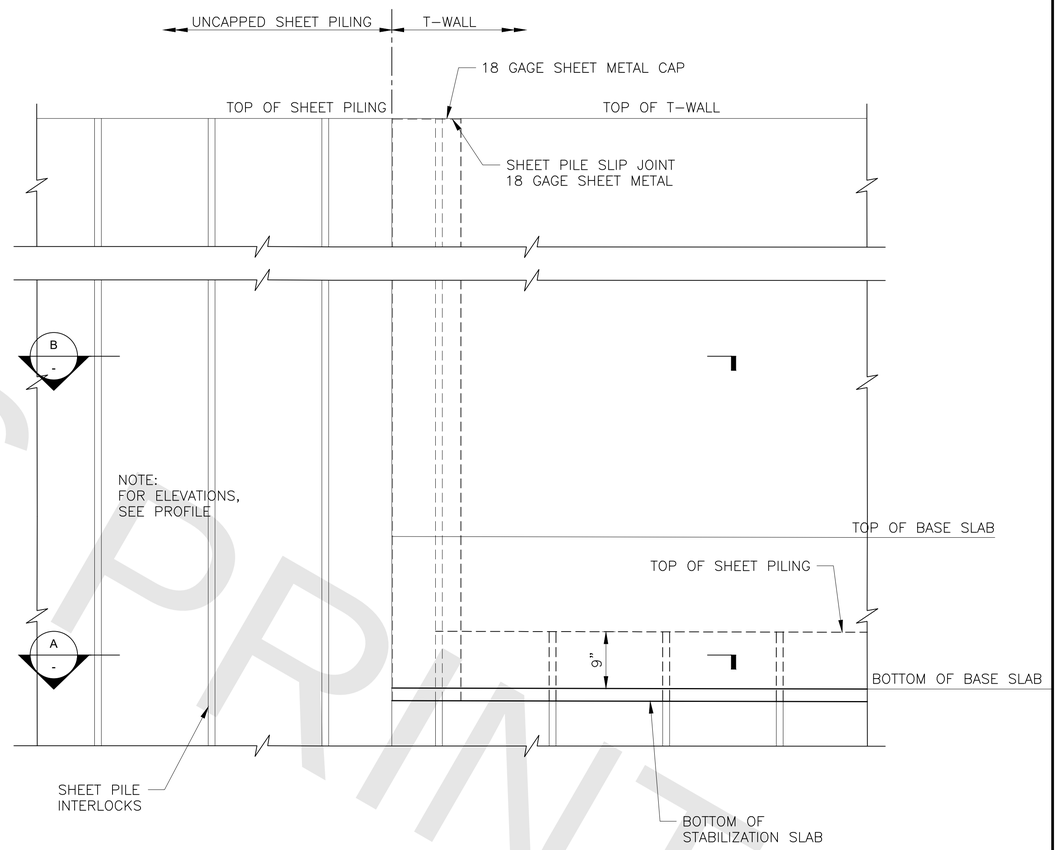

I–WALL TO T–WALL – FLOOD SIDE ELEVATION
SCALE: 1" = 1'–0"

PROGRESS SUBMITTAL

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION
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ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS TIE-IN CONCEPT 1

PROJECT NO. 15-384
DRAWING NO. CFDS-200
SHEET NO. 01.22.200

FILE NAME = C:\Users\SPI00996\ARCADIS\Bridgeport FRRP Final Design – 5.6.3 Coastal Flood Defense System\Structural\CFDS-200-202.dwg
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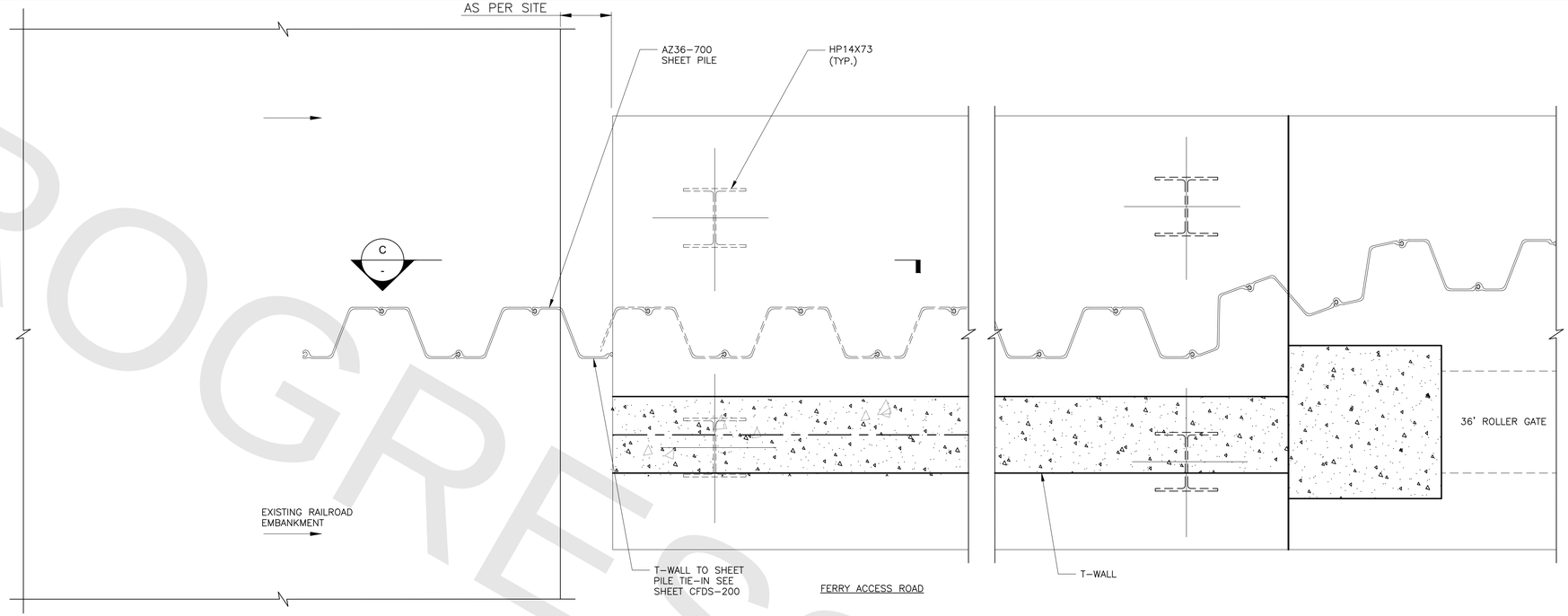
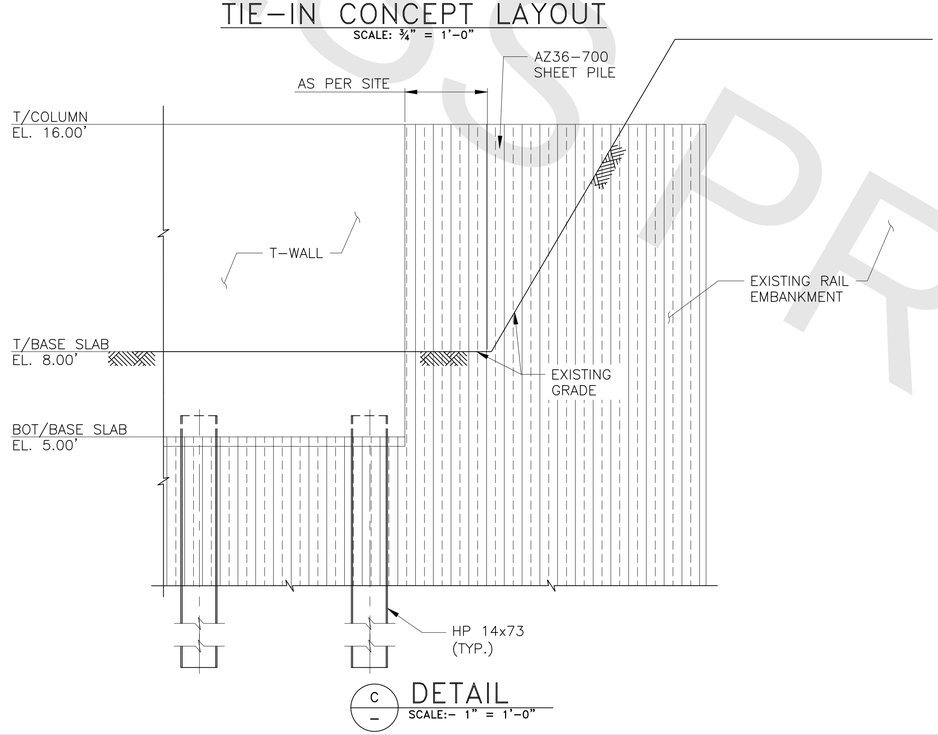
PROGRESS PRINTS



TIE-IN CONCEPT LAYOUT

SCALE: ¾" = 1'-0"



C — DETAIL

SCALE:- 1" = 1'-0"

PROGRESS PRINTS

PROGRESS SUBMITTAL

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS TIE-IN CONCEPT 2

PROJECT NO. 15-384

DRAWING NO. CFDS-201

SHEET NO. 01.22.201

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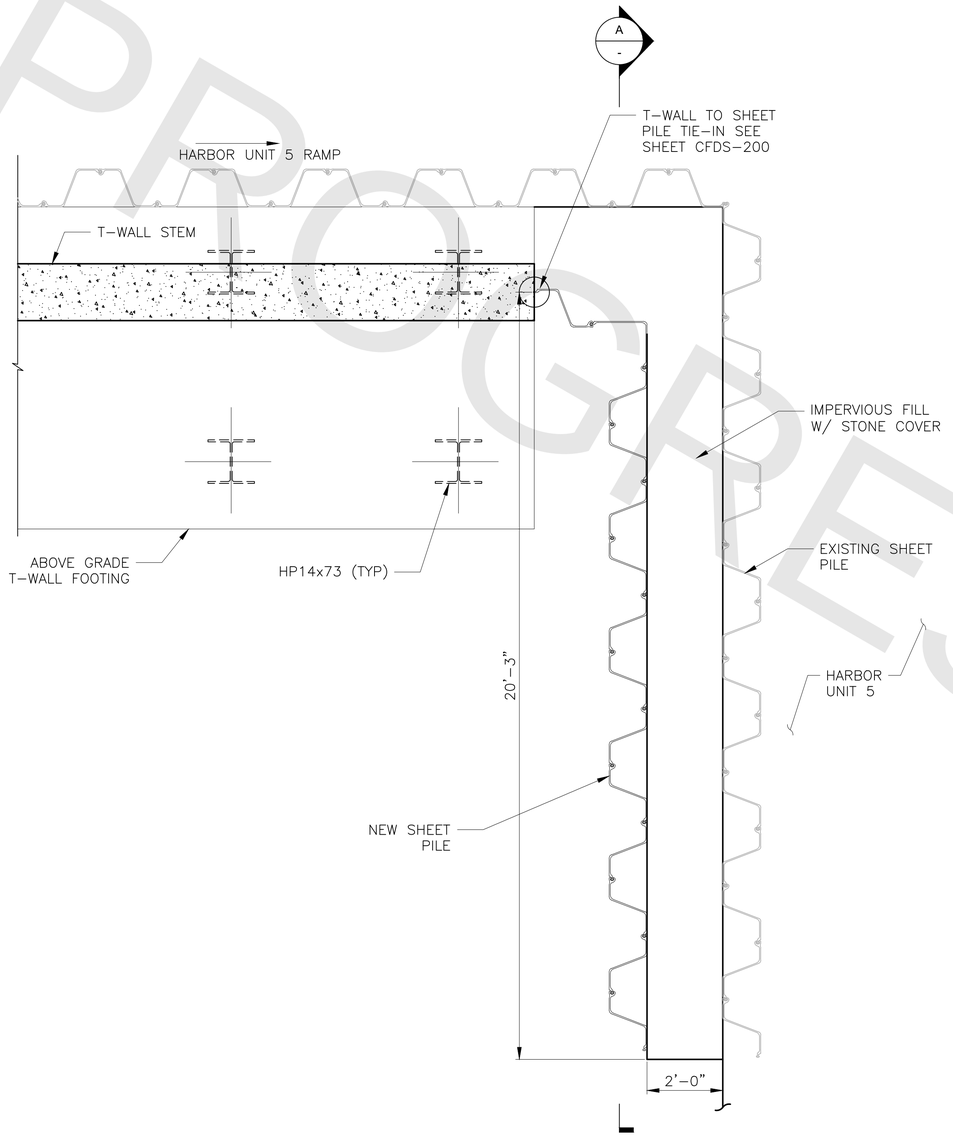

CONNECTION TO HARBOR UNIT 5 PLAN

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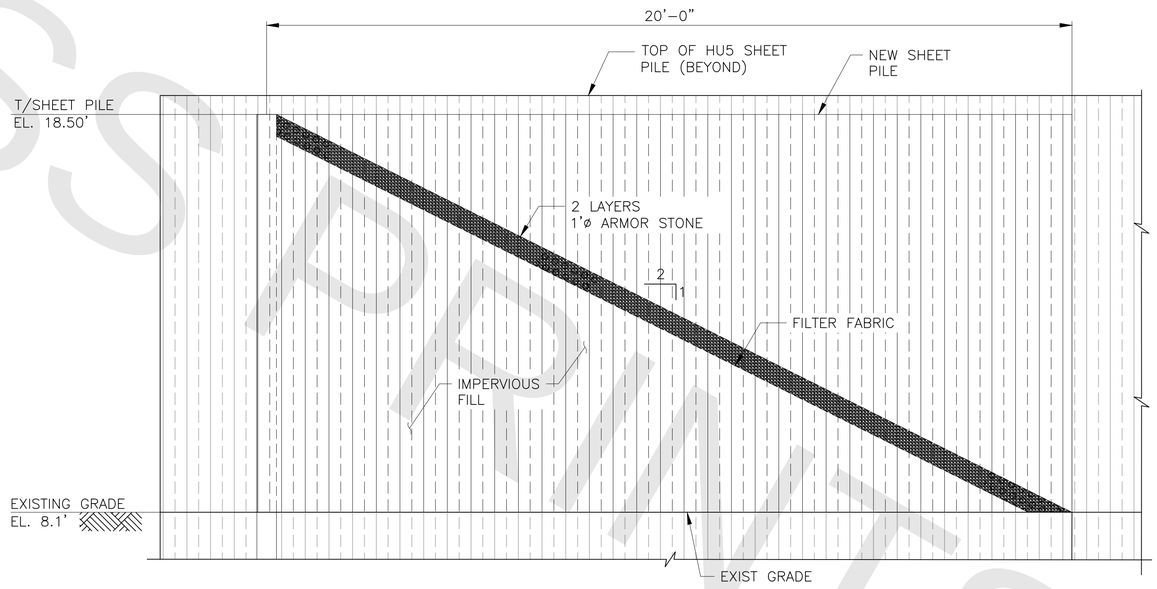

CONNECTION TO HARBOR UNIT 5 SECTION

A / - SCALE:- 1/2" = 1'-0"

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FINAL DESIGN REVIEW

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CFDS TIE-IN CONCEPT 3

PROJECT NO. 15-384

DRAWING NO. CFDS-202

SHEET NO. 01.22.202

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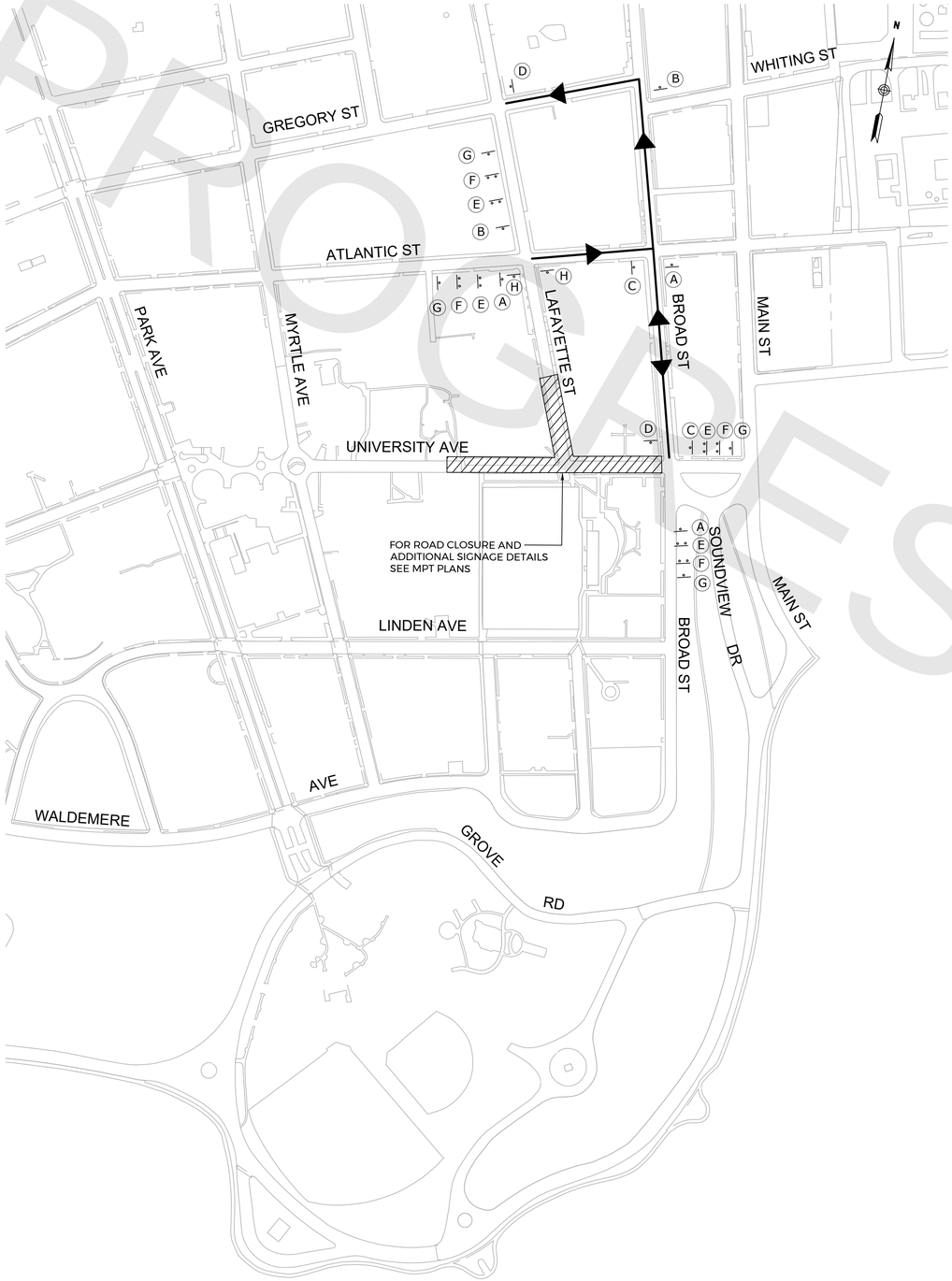
DATE/TIME = Jan 21, 2022 - 3:37pm

PROGRESS PRINTS

17 - MAINTENANCE AND PROTECTION OF TRAFFIC PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
17.01	MAINTENANCE AND PROTECTION OF TRAFFIC PLANS INDEX OF DRAWINGS		
17.02	DETOUR PLAN LAFAYETTE STREET		
17.03	DETOUR PLAN BROAD STREET		
17.04	DETOUR PLAN MAIN STREET		
17.05	MAINTENANCE AND PROTECTION OF TRAFFIC GENERAL NOTES		
17.06	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 1		
17.07	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 2		
17.08	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 2		
17.09	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 3		
17.10	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 3		



DETOUR SIGN LEGEND

A	Lafayette Street DETOUR ↑	80-9919 80-9710 (S)	E	LAFAYETTE STREET CLOSED AHEAD FOLLOW DETOUR	80-9928
B	Lafayette Street DETOUR ←	80-9919 80-9710 (L)	F	ROAD WORK AHEAD FINES DOUBLED	31-1906
C	Lafayette Street DETOUR →	80-9919 80-9710 (R)	G	CONSTRUCTION AHEAD ROAD USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13A-115, 13A-145 COMMISSIONER OF TRANSPORTATION	80-1613
D	END DETOUR	80-9708	H	SIDEWALK CLOSED AHEAD ← CROSS HERE	80-9074 (L) 80-9074 (R)

DETOUR NOTES:

1. ALL CONSTRUCTION SIGNING SHALL CONFORM TO THE STANDARDS IN THE MANUAL ON UNIFORM TRAFFIC DEVICES (MUTCD) AND THE REQUIREMENTS OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION.
2. LOCATIONS OF TEMPORARY SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER SO AS NOT TO CONFLICT WITH EXISTING PERMANENT SIGNS. EXISTING SIGNS IN CONFLICT WITH TEMPORARY SIGNS SHALL BE COVERED OR RELOCATED AS DIRECTED BY THE ENGINEER.
3. UPON COMPLETION OF PROJECT, ALL EXISTING SIGNS AND PAVEMENT MARKINGS WHICH ARE REMOVED IN ADVANCED OF CONSTRUCTION SHALL BE REESTABLISHED AS DIRECTED BY THE ENGINEER.
4. TEMPORARY SIGNS AND OTHER TEMPORARY TRAFFIC PROTECTIVE DEVICES SHALL REMAIN IN PLACE AS SHOWN THROUGHOUT THE FULL DURATION OF CONSTRUCTION. UNIFORMED TRAFFIC PERSONS SHALL BE REQUIRED WHEN DEVICES SHOWN ARE INSTALLED, OR REMOVED.
5. TRAFFIC SIGNS SHALL BE MOUNTED ON POSTS UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL IMPLEMENT THE DETOUR PLAN AND MAINTENANCE AND PROTECTION OF TRAFFIC PLAN BEFORE THE START OF CONSTRUCTION.
7. ALL TEMPORARY SIGNS AND SIGN POSTS ARE TO BE REMOVED UPON COMPLETION OF CONSTRUCTION AND THE ROADWAY IS RE-OPENED TO TRAFFIC.
8. CONTRACTOR TO CONTACT THE FOLLOWING ENTITIES TWO WEEKS (2) PRIOR TO IMPLEMENTING THE DETOURS, GREATER BRIDGEPORT TRANSIT, CITY OF BRIDGEPORT POLICE AND FIRE DEPARTMENTS, ENGINEERING DEPARTMENT, AND BRIDGEPORT PUBLIC SCHOOLS.
9. ALL DETOUR SIGNS TO BE PAID UNDER ITEM 1220027 - CONSTRUCTION SIGNS.
10. INSTALL POST-MOUNTED SIGNS IN ACCORDANCE WITH STANDARD SHEETS TR_1208-01 AND TR_1208-02.
11. ACCESS AND EGRESS TO ALL STREETS AND DRIVES MUST BE MAINTAINED AT ALL TIMES.

SEQUENCE OF CONSTRUCTION

1. IMPLEMENT DETOUR PLAN.
2. CLOSE UNIVERSITY AVENUE & LAFAYETTE STREET, MAINTAIN ACCESS TO PRIVATE PROPERTIES.
3. CONSTRUCT ROADWAY IMPROVEMENTS.
4. UPON COMPLETION OF LAFAYETTE STREET CONSTRUCTION ROADWAY TO BE RE-OPENED TO TRAFFIC IN ACCORDANCE WITH ITEM 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.

SYMBOL LEGEND

- WORK ZONE
- SINGLE METAL POST MOUNTED SIGN SUPPORT
- DOUBLE METAL POST MOUNTED SIGN SUPPORT
- DETOUR ROUTE
- DETOUR ROUTE DIRECTION

PROGRESS PRINTS

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: KR/MD
CHECKED BY: SG
SCALE IN FEET
0 100 200 400
NOT TO SCALE
SCALE 1"=200'

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: DETOUR PLAN LAFAYETTE STREET

PROJECT NO. 15-384
DRAWING NO. DTR-01
SHEET NO. **17.02**

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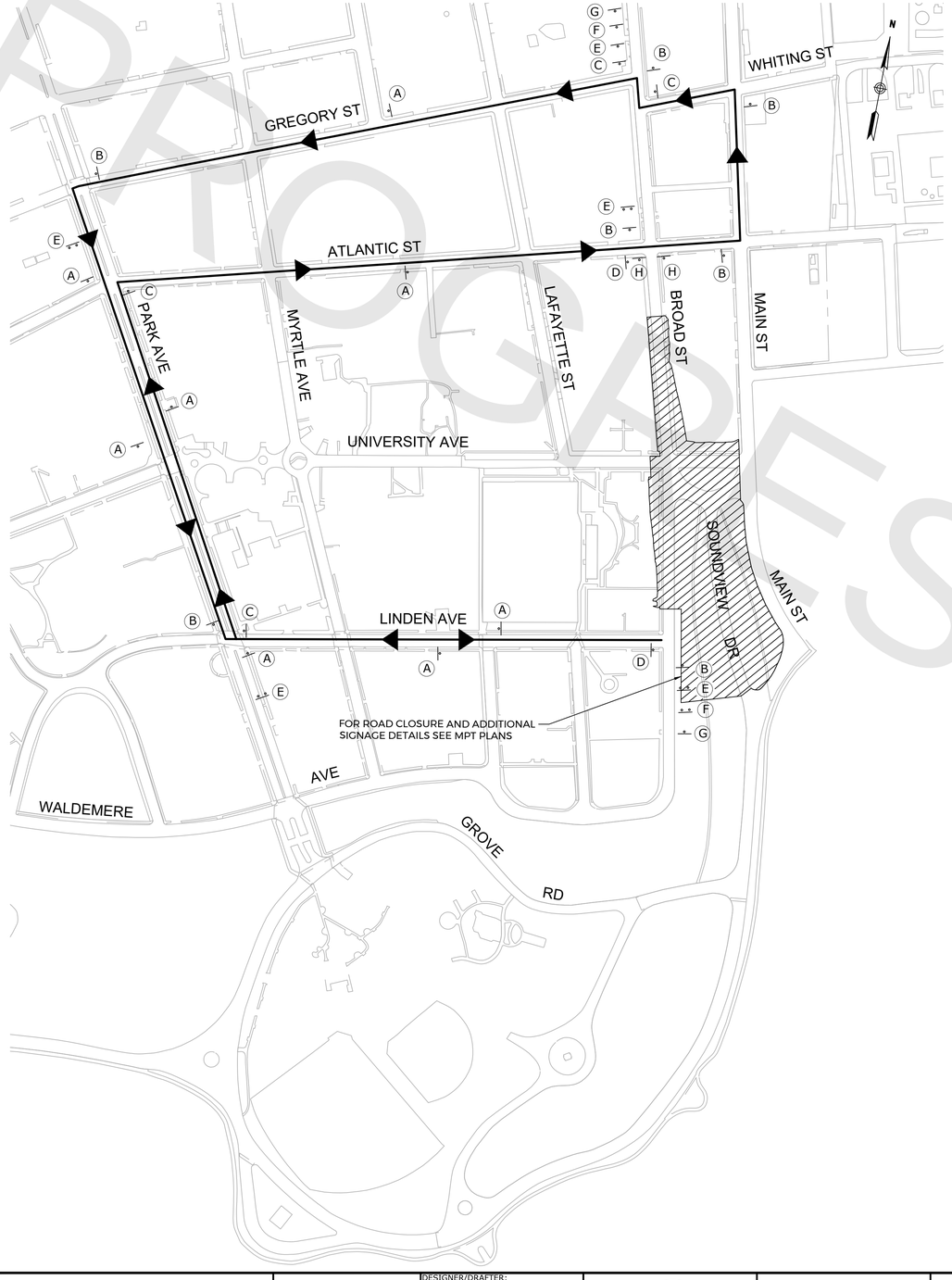

DETOUR SIGN LEGEND

A	Broad Street DETOUR ↑	80-9919 80-9710 (S)	F	ROAD WORK AHEAD FINES DOUBLED	31-1906
B	Broad Street DETOUR ←	80-9919 80-9710 (L)	G	CONSTRUCTION AHEAD ROAD USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC. 13b-115, 13b-145 COMMISSIONER OF TRANSPORTATION	80-1613
C	Broad Street DETOUR →	80-9919 80-9710 (R)	H	SIDEWALK CLOSED AHEAD ← CROSS HERE	80-9074 (L) 80-9074 (R)
D	END DETOUR	80-9708			
E	BROAD STREET CLOSED AHEAD FOLLOW DETOUR	80-9928			

DETOUR NOTES:

1. ALL CONSTRUCTION SIGNING SHALL CONFORM TO THE STANDARDS IN THE MANUAL ON UNIFORM TRAFFIC DEVICES (MUTCD) AND THE REQUIREMENTS OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION.
2. LOCATIONS OF TEMPORARY SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER SO AS NOT TO CONFLICT WITH EXISTING PERMANENT SIGNS. EXISTING SIGNS IN CONFLICT WITH TEMPORARY SIGNS SHALL BE COVERED OR RELOCATED AS DIRECTED BY THE ENGINEER.
3. UPON COMPLETION OF PROJECT, ALL EXISTING SIGNS AND PAVEMENT MARKINGS WHICH ARE REMOVED IN ADVANCED OF CONSTRUCTION SHALL BE REESTABLISHED AS DIRECTED BY THE ENGINEER.
4. TEMPORARY SIGNS AND OTHER TEMPORARY TRAFFIC PROTECTIVE DEVICES SHALL REMAIN IN PLACE AS SHOWN THROUGHOUT THE FULL DURATION OF CONSTRUCTION. UNIFORMED TRAFFIC PERSONS SHALL BE REQUIRED WHEN DEVICES SHOWN ARE INSTALLED, OR REMOVED.
5. TRAFFIC SIGNS SHALL BE MOUNTED ON POSTS UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL IMPLEMENT THE DETOUR PLAN AND MAINTENANCE AND PROTECTION OF TRAFFIC PLAN BEFORE THE START OF CONSTRUCTION.
7. ALL TEMPORARY SIGNS AND SIGN POSTS ARE TO BE REMOVED UPON COMPLETION OF CONSTRUCTION AND THE ROADWAY IS RE-OPENED TO TRAFFIC.
8. CONTRACTOR TO CONTACT THE FOLLOWING ENTITIES TWO WEEKS (2) PRIOR TO IMPLEMENTING THE DETOURS, GREATER BRIDGEPORT TRANSIT, CITY OF BRIDGEPORT POLICE AND FIRE DEPARTMENTS, ENGINEERING DEPARTMENT, AND BRIDGEPORT PUBLIC SCHOOLS.
9. ALL DETOUR SIGNS TO BE PAID UNDER ITEM 1220027 - CONSTRUCTION SIGNS.
10. INSTALL POST-MOUNTED SIGNS IN ACCORDANCE WITH STANDARD SHEETS TR_1208-01 AND TR_1208-02.
11. ACCESS AND EGRESS TO ALL STREETS AND DRIVES MUST BE MAINTAINED AT ALL TIMES.

SEQUENCE OF CONSTRUCTION

1. IMPLEMENT DETOUR PLAN.
2. CLOSE BROAD STREET, MAINTAIN ACCESS TO PRIVATE PROPERTIES.
3. CONSTRUCT ROADWAY IMPROVEMENTS.
4. UPON COMPLETION OF BROAD STREET CONSTRUCTION ROADWAY TO BE RE-OPENED TO TRAFFIC IN ACCORDANCE WITH ITEM 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.

SYMBOL LEGEND

- WORK ZONE
- SINGLE METAL POST MOUNTED SIGN SUPPORT
- DOUBLE METAL POST MOUNTED SIGN SUPPORT
- DETOUR ROUTE
- DETOUR ROUTE DIRECTION

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: KR/MD
CHECKED BY: SG
SCALE IN FEET
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SCALE 1"=200'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE: **FLOOD RISK REDUCTION PROGRAM**

TOWN: BRIDGEPORT

DRAWING TITLE: DETOUR PLAN BROAD STREET

PROJECT NO. 15-384
DRAWING NO. DTR-02
SHEET NO. **17.03**

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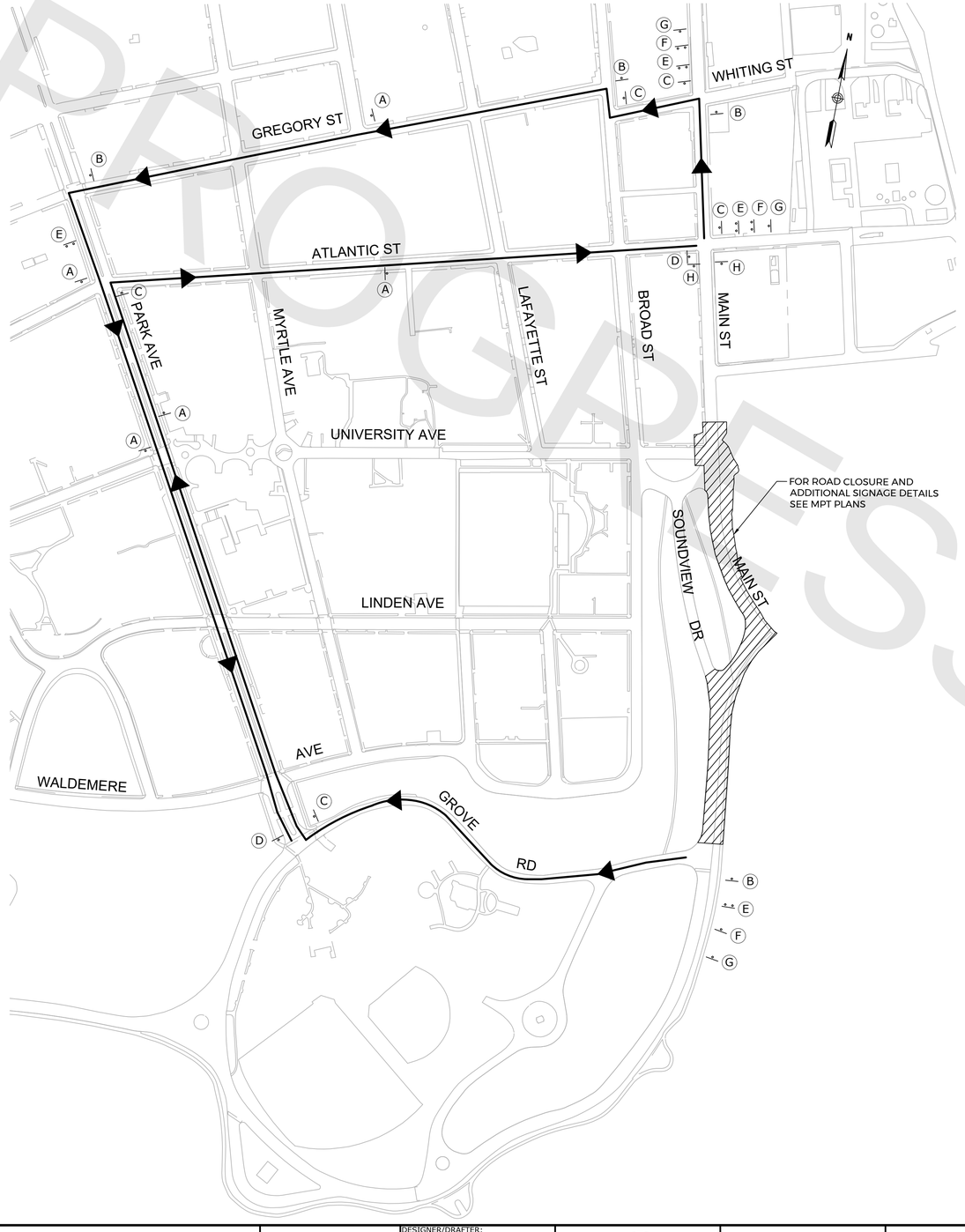

DETOUR SIGN LEGEND

A	Main Street DETOUR ↑ — 80-9919, 80-9710 (S)	F	ROAD WORK AHEAD FINES DOUBLED — 31-1906
B	Main Street DETOUR ← — 80-9919, 80-9710 (L)	G	CONSTRUCTION AHEAD ROAD SIDE RESTRICTED STATE LIABILITY LIMITED (GENERAL STATUTES SEC 13A-115, 13A-149) COMMISSIONER OF TRANSPORTATION — 80-1613
C	Main Street DETOUR → — 80-9919, 80-9710 (R)	H	SIDEWALK CLOSED AHEAD ← CROSS HERE — 80-9074 (L), 80-9074 (R)
D	END DETOUR — 80-9708		
E	MAIN STREET CLOSED AHEAD FOLLOW DETOUR — 80-9928		

DETOUR NOTES:

1. ALL CONSTRUCTION SIGNING SHALL CONFORM TO THE STANDARDS IN THE MANUAL ON UNIFORM TRAFFIC DEVICES (MUTCD) AND THE REQUIREMENTS OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION.
2. LOCATIONS OF TEMPORARY SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER SO AS NOT TO CONFLICT WITH EXISTING PERMANENT SIGNS. EXISTING SIGNS IN CONFLICT WITH TEMPORARY SIGNS SHALL BE COVERED OR RELOCATED AS DIRECTED BY THE ENGINEER.
3. UPON COMPLETION OF PROJECT, ALL EXISTING SIGNS AND PAVEMENT MARKINGS WHICH ARE REMOVED IN ADVANCED OF CONSTRUCTION SHALL BE REESTABLISHED AS DIRECTED BY THE ENGINEER.
4. TEMPORARY SIGNS AND OTHER TEMPORARY TRAFFIC PROTECTIVE DEVICES SHALL REMAIN IN PLACE AS SHOWN THROUGHOUT THE FULL DURATION OF CONSTRUCTION. UNIFORMED TRAFFIC PERSONS SHALL BE REQUIRED WHEN DEVICES SHOWN ARE INSTALLED, OR REMOVED.
5. TRAFFIC SIGNS SHALL BE MOUNTED ON POSTS UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL IMPLEMENT THE DETOUR PLAN AND MAINTENANCE AND PROTECTION OF TRAFFIC PLAN BEFORE THE START OF CONSTRUCTION.
7. ALL TEMPORARY SIGNS AND SIGN POSTS ARE TO BE REMOVED UPON COMPLETION OF CONSTRUCTION AND THE ROADWAY IS RE-OPENED TO TRAFFIC.
8. CONTRACTOR TO CONTACT THE FOLLOWING ENTITIES TWO WEEKS (2) PRIOR TO IMPLEMENTING THE DETOURS, GREATER BRIDGEPORT TRANSIT, CITY OF BRIDGEPORT POLICE AND FIRE DEPARTMENTS, ENGINEERING DEPARTMENT, AND BRIDGEPORT PUBLIC SCHOOLS.
9. ALL DETOUR SIGNS TO BE PAID UNDER ITEM 1220027 - CONSTRUCTION SIGNS.
10. INSTALL POST-MOUNTED SIGNS IN ACCORDANCE WITH STANDARD SHEETS TR_1208-01 AND TR_1208-02.
11. ACCESS AND EGRESS TO ALL STREETS AND DRIVES MUST BE MAINTAINED AT ALL TIMES.

SEQUENCE OF CONSTRUCTION

1. IMPLEMENT DETOUR PLAN.
2. CLOSE MAIN STREET, MAINTAIN ACCESS TO PRIVATE PROPERTIES.
3. CONSTRUCT ROADWAY IMPROVEMENTS.
4. UPON COMPLETION OF MAIN STREET CONSTRUCTION ROADWAY TO BE RE-OPENED TO TRAFFIC IN ACCORDANCE WITH ITEM 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.

SYMBOL LEGEND

- WORK ZONE
- SINGLE METAL POST MOUNTED SIGN SUPPORT
- DOUBLE METAL POST MOUNTED SIGN SUPPORT
- DETOUR ROUTE
- DETOUR ROUTE DIRECTION

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: DETOUR PLAN MAIN STREET

PROJECT NO. 15-384
DRAWING NO. DTR-03
SHEET NO. **17.04**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_DETOUR.dwg
DATE/TIME = Jan 21, 2022 - 5:32pm

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
2. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED, INCLUDING THOSE PAVEMENT MARKINGS OUTSIDE OF THE TRAVELED WAY.
3. THE APPROPRIATE TYPE DE-7 DELINEATORS SHALL BE INSTALLED ON THE TEMPORARY TRAFFIC BARRIER AS SPECIFIED ON THE TYPICAL SHEET NO. TR 1205-01 "DELINEATION , DELINEATORS AND OBJECT MARKER DETAILS".
4. EXISTING SIGNS ARE TO BE RELOCATED AS NEEDED AND AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION SO THAT THEY ARE IN THE APPROPRIATE LOCATION AND VISIBLE TO MOTORISTS.
5. EXISTING SIGNS IN CONFLICT WITH TEMPORARY SIGNS SHALL BE COVERED, REMOVED OR REVISED TO MEET FIELD CONDITIONS.
6. THE LOCATIONS OF TEMPORARY SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.
7. TEMPORARY SIGNS SHALL BE MOUNTED ON POSTS WHEN FEASIBLE.
8. THE LOCATIONS OF TRAFFIC DRUMS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS AND TO CLEARLY DEFINE ACCESS TO AND EGRESS FROM ALL ROADWAYS AND DRIVEWAYS.
9. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES.
10. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PROPERTIES AND DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL MAINTAIN CROSSWALKS AND PEDESTRIAN CROSSINGS AT ALL TIMES AS INDICATED ON THE MPT PLANS OR AS DIRECTED BY THE ENGINEER.
12. ALL TEMPORARY CONSTRUCTION SIGNS SHALL BE REMOVED BY THE CONTRACTOR AT THE CONCLUSION OF THE PROJECT.
13. REFER TO SIGNING AND PAVEMENT MARKING PLANS SUBSET FOR ADDITIONAL SIGNING AND PAVEMENT MARKING NOTES.
14. THE CONTRACTOR SHALL INSTALL ALL PERMANENT SIGNS (AS SHOWN ON THE SIGNING AND PAVEMENT MARKING PLANS) AS SOON AS APPLICABLE, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
15. SERIES 16 SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER. ADDITIONAL SERIES 16 SIGNS NOT SHOWN ON THE PLANS MAY BE LOCATED AS DESIGNATED BY THE ENGINEER, INCLUDING SIGNS BEYOND THE LIMITS OF CONSTRUCTION.
16. ALL MPT PLANS MUST FOLLOW MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD).
17. THE CONTRACTOR SHALL OBTAIN ALL ROADWAY AND SIDEWALK PERMITS FROM THE CITY OF BRIDGEPORT AND IS RESPONSIBLE FOR ALL DETOURS AND ROAD CLOSURES. CLOSURES OF ROADWAYS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE DIRECTOR OF PUBLIC FACILITIES OR HIS DESIGNEE.

SUGGESTED SEQUENCE OF CONSTRUCTION:

STAGE 1:

1. THIS STAGE IS FOR LAFAYETTE STREET AND UNIVERSITY AVENUE WEST OF BROAD STREET ONLY.
2. INSTALL CONSTRUCTION BARRIER AS SHOWN ON THE PLANS.
3. CONSTRUCT EARTHEN EMBANKMENT AS SHOWN ON THE PLANS.
4. INSTALL COASTAL FLOOD DEFENSE SYSTEM.

STAGE 2:

1. THIS STAGE IS FOR BROAD STREET AND UNIVERSITY AVENUE FROM BROAD STREET TO MAIN STREET.
2. INSTALL CONSTRUCTION BARRIER AS SHOWN ON THE PLANS.
3. INSTALL FILL SECTION ON BROAD STREET AND UNIVERSITY AVENUE.
4. COMMENCE CONSTRUCTION IN SEASIDE PARK.
5. INSTALL COASTAL FLOOD DEFENSE SYSTEM FROM STAGE 1 EXTENT TO THE EASTERN END OF UNIVERSITY AVENUE.
6. RELOCATE UTILITIES AS SHOWN ON PLANS AND INSTALL FORCE MAIN.
7. INSTALL PAVEMENT ALONG BROAD STREET.

STAGE 3:

1. THIS STAGE IS FOR UNIVERSITY AVENUE FROM BROAD STREET TO MAIN STREET AND MAIN STREET.
2. INSTALL CONSTRUCTION BARRIER AS SHOWN ON THE PLANS.
3. CONSTRUCT FILL SECTION.
4. INSTALL CULVERTS AND CONSTRUCT STILLING BASIN.
5. COMPLETE ROADWORK.
6. COMPLETE CONSTRUCTION IN SEASIDE PARK.

LEGEND

- UNDER CONSTRUCTION
- PREVIOUSLY CONSTRUCTED
- DIRECTION OF TRAVEL
- TEMPORARY TRAFFIC BARRIER
- CONSTRUCTION BARRICADE (TYPE III)
- CONSTRUCTION BARRICADE DETECTABLE

PROGRESS PRINTS

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_MPT STAGE 1.dwg
DATE/TIME = Jan 21, 2022 - 5:15pm

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER:

CHECKED BY:

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MAINTENANCE AND PROTECTION OF TRAFFIC GENERAL NOTES

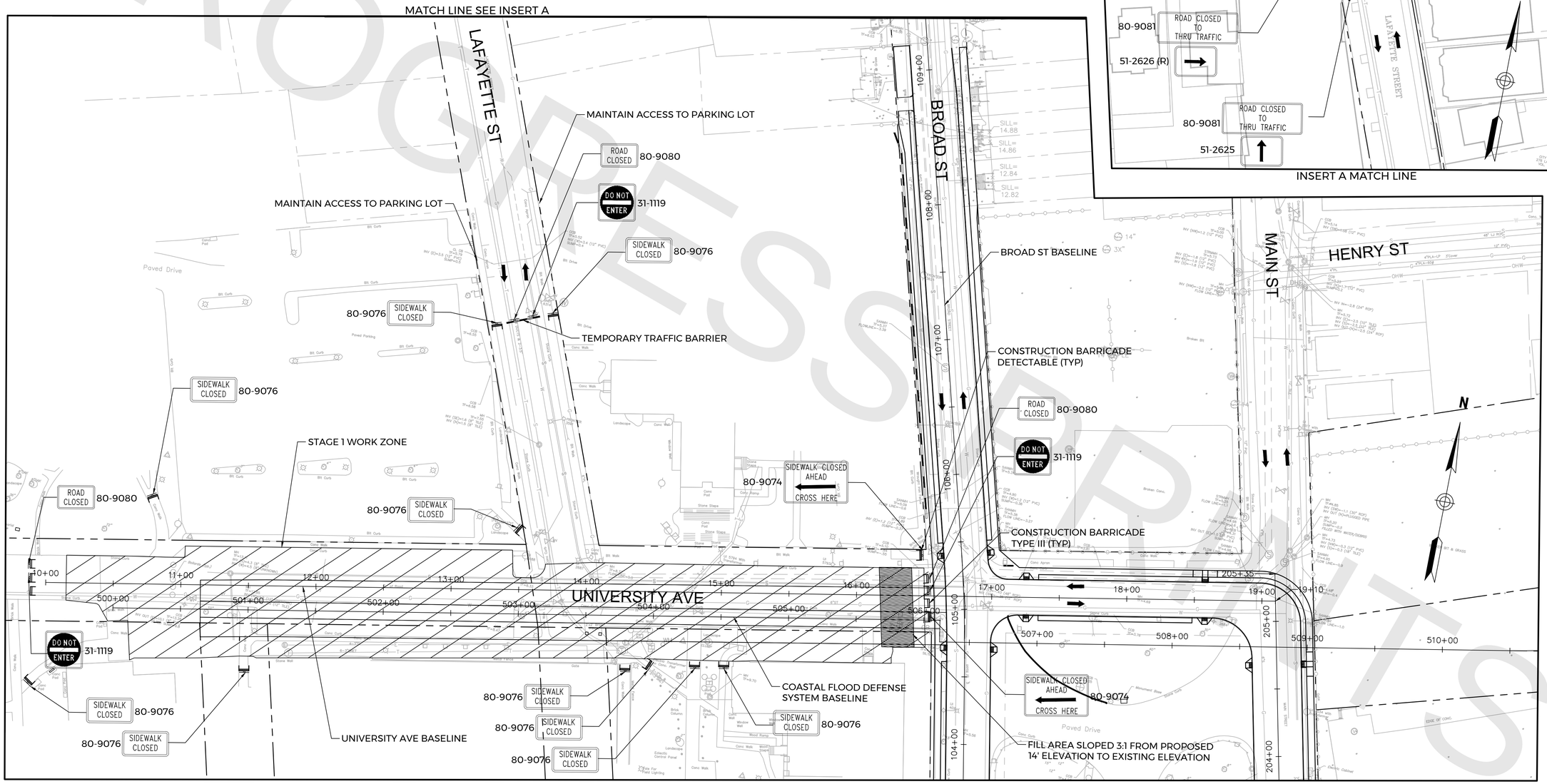
PROJECT NO. 15-384

DRAWING NO. MPT-01

SHEET NO. **17.05**

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. REFER TO DWG NO MPT-01 FOR MPT GENERAL NOTES AND LEGEND.
2. ALL PEDESTRIAN ROUTES, BUILDING ACCESS POINTS AND PARKING WITHIN OR ADJACENT TO THE WORK AREA SHALL BE COORDINATED WITH THE GOODWIN COLLEGE.



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DESIGNER/DRAFTER:

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SCALE IN FEET
0 40 80
SCALE 1"=40'

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500 Winding Brook Dr. Glastonbury, CT

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 1

PROJECT NO. 15-384

DRAWING NO. MPT-02

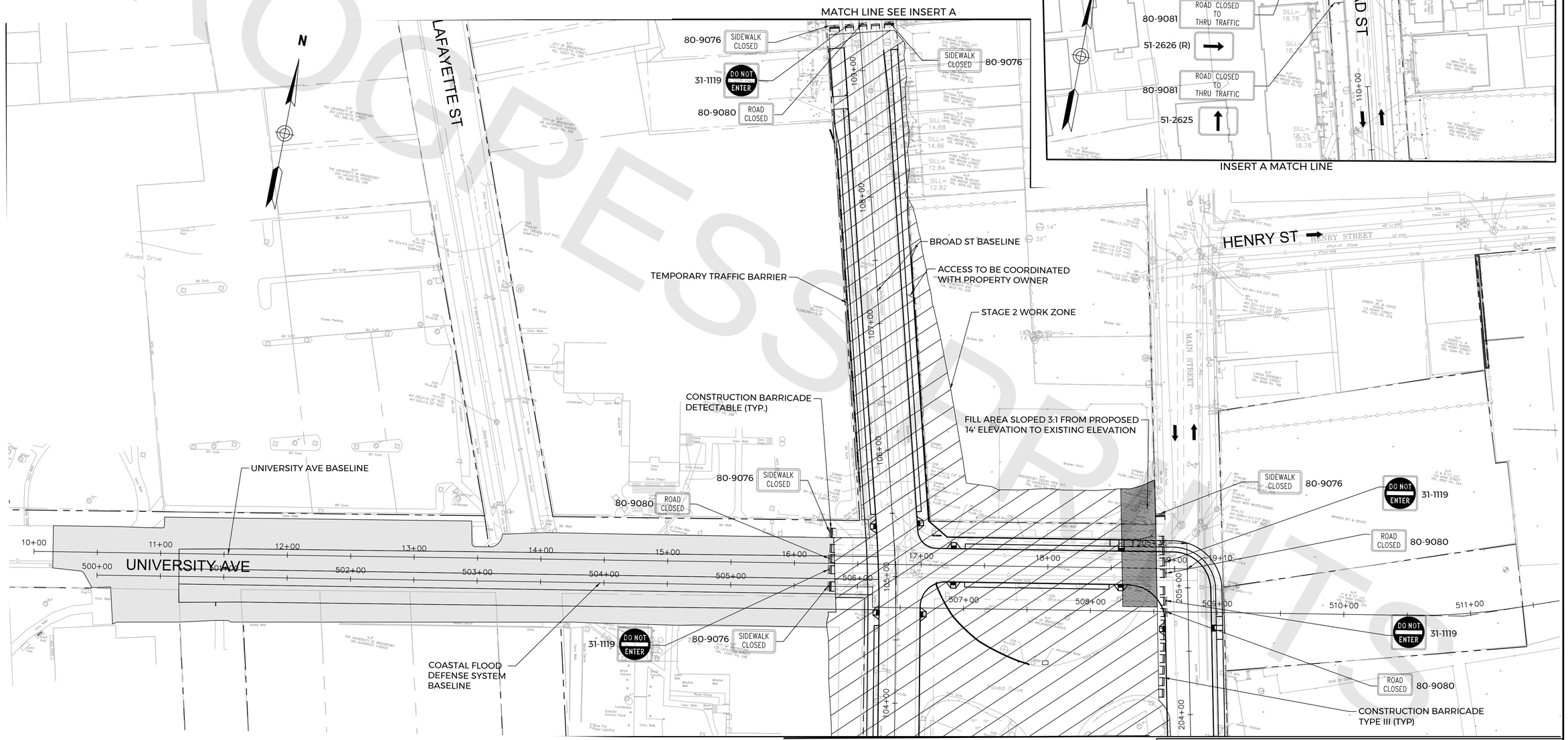
SHEET NO. **17.06**

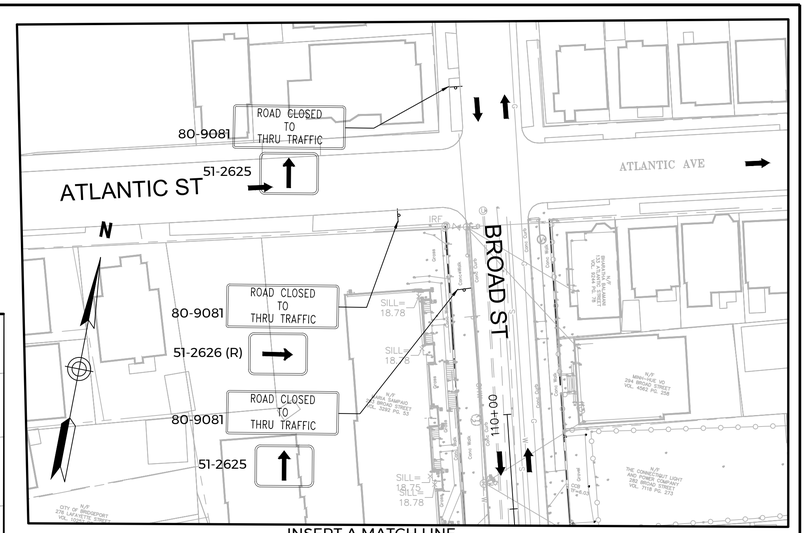
FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_MPT STAGE 1.dwg
DATE/TIME = Jan 21, 2022 - 5:20pm

PROGRESS PRINTS

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. REFER TO DWG NO MPT-01 FOR MPT GENERAL NOTES AND LEGEND.
2. ALL PEDESTRIAN ROUTES, BUILDING ACCESS POINTS AND PARKING WITHIN OR ADJACENT TO THE WORK AREA SHALL BE COORDINATED WITH THE GOODWIN COLLEGE.





PROGRESS PRINTS

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REV.	DATE	REVISION DESCRIPTION

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SCALE 1"=40'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE:
MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 2

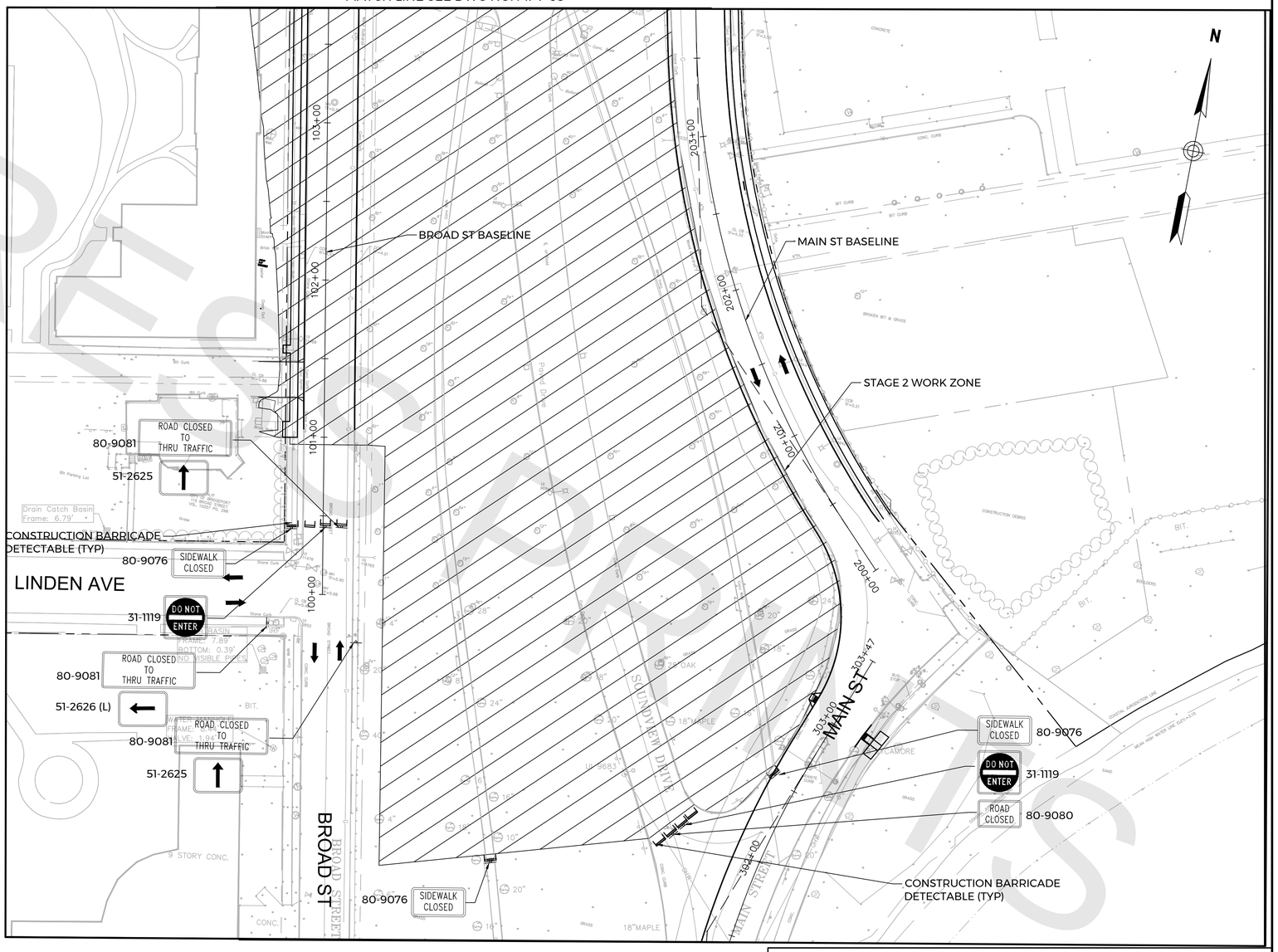
PROJECT NO. 15-384
DRAWING NO. MPT-03
SHEET NO. **17.07**

FINAL DESIGN REVIEW

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. REFER TO DWG NO MPT-01 FOR MPT GENERAL NOTES AND LEGEND.
2. ALL PEDESTRIAN ROUTES, BUILDING ACCESS POINTS AND PARKING WITHIN OR ADJACENT TO THE WORK AREA SHALL BE COORDINATED WITH THE GOODWIN COLLEGE.

PROGRESS PRINTS



FINAL DESIGN REVIEW

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 2

PROJECT NO. 15-384

DRAWING NO. MPT-04

SHEET NO. **17.08**

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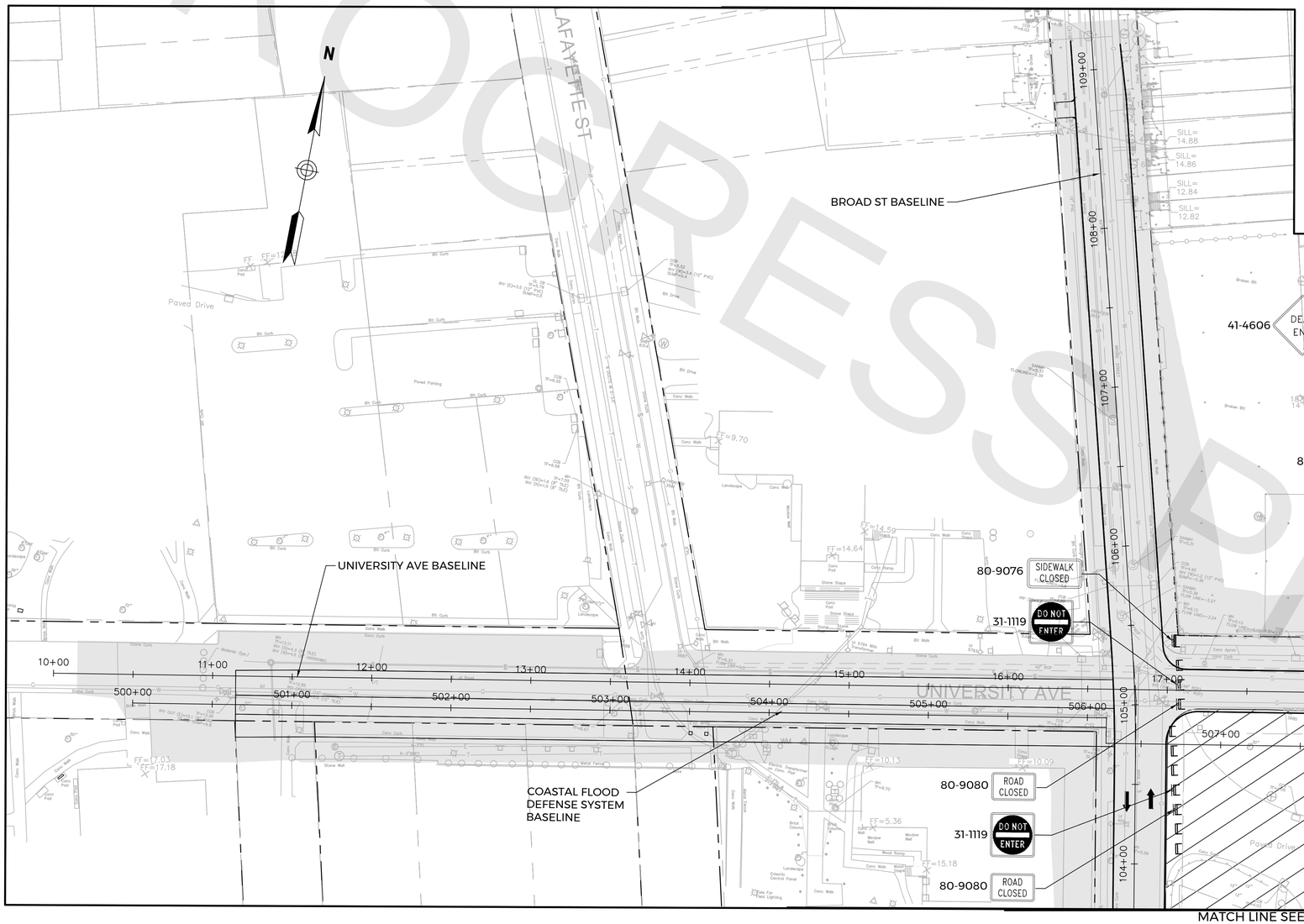
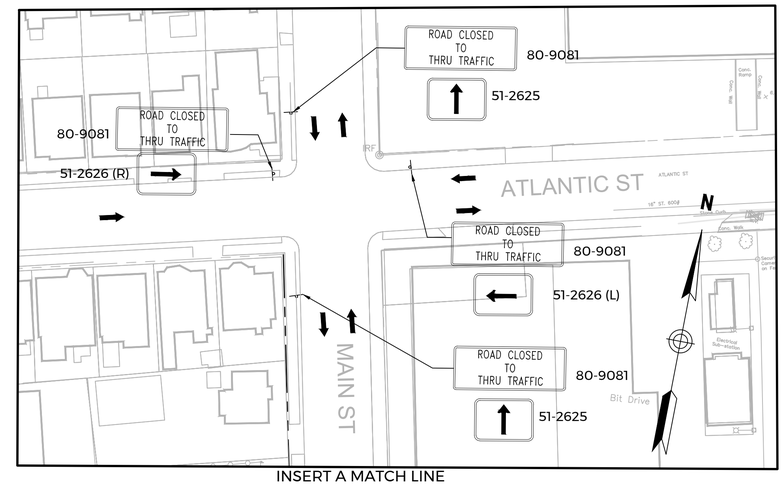
MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. REFER TO DWG NO MPT-01 FOR MPT GENERAL NOTES AND LEGEND.
2. ALL PEDESTRIAN ROUTES, BUILDING ACCESS POINTS AND PARKING WITHIN OR ADJACENT TO THE WORK AREA SHALL BE COORDINATED WITH THE GOODWIN COLLEGE.





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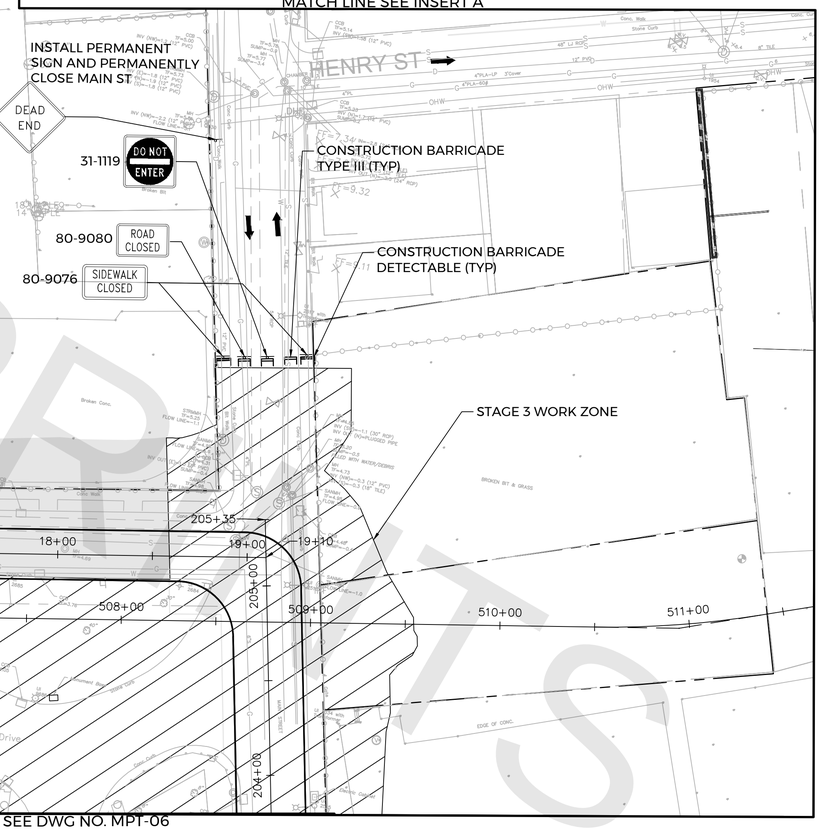

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PROGRESS PRINTS

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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

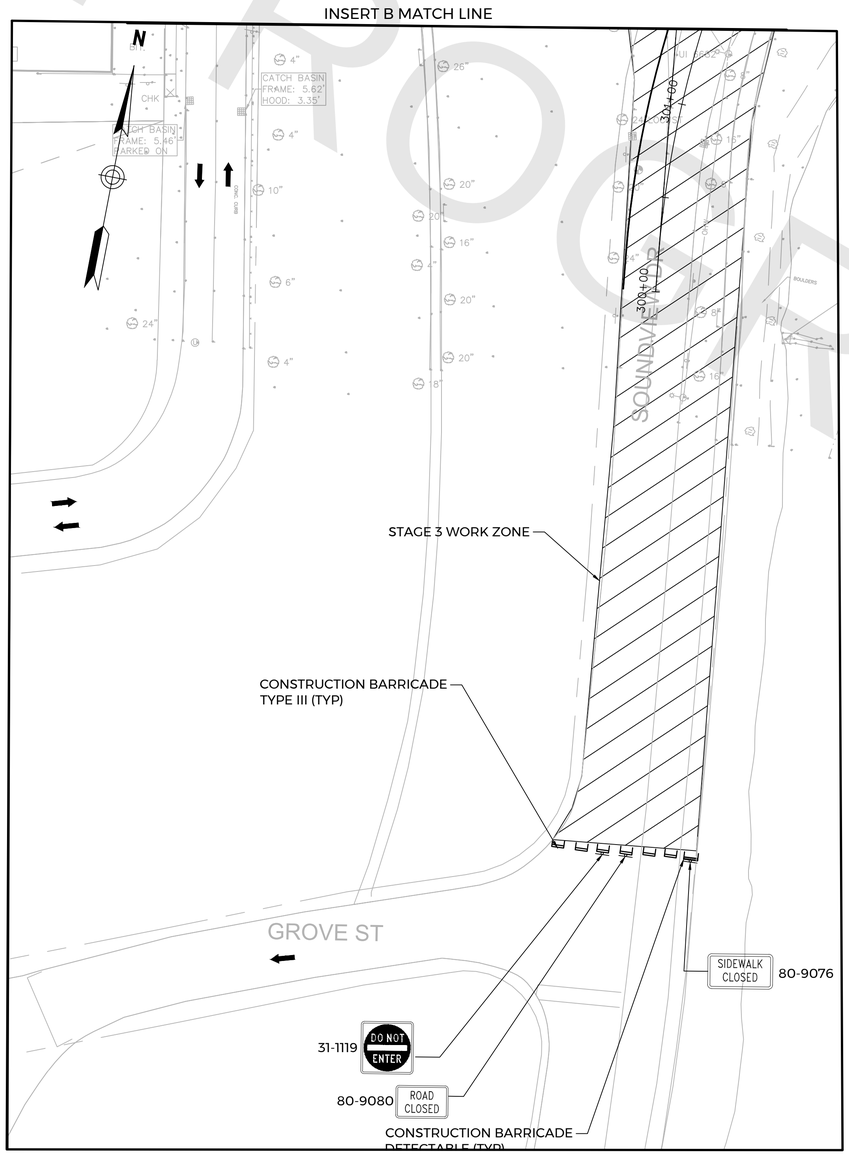
DRAWING TITLE:
MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 3

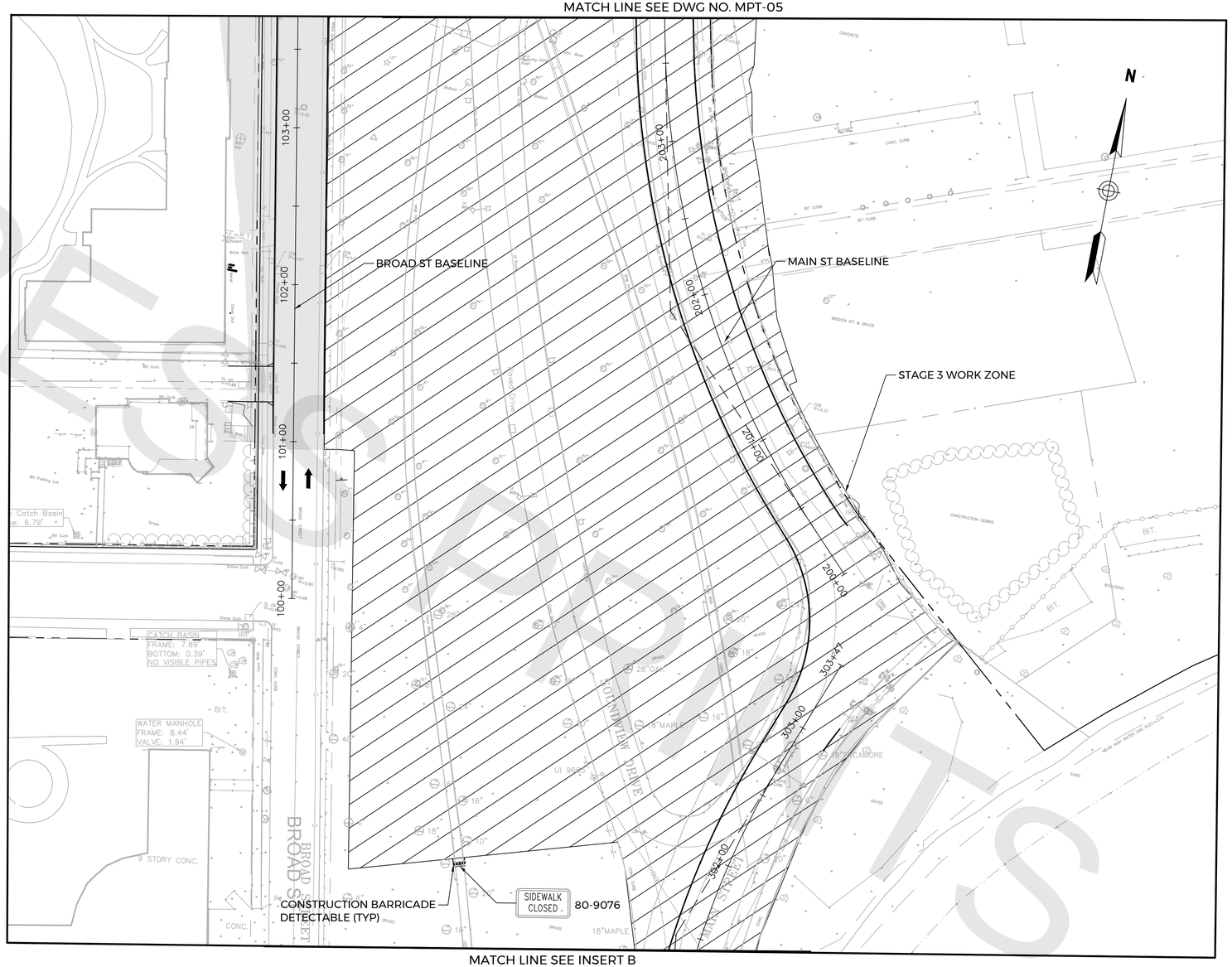
PROJECT NO. 15-384
DRAWING NO. MPT-05
SHEET NO. **17.09**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_MPT STAGE 3.dwg
DATE/TIME = Jan 21, 2022 - 4:57pm

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. REFER TO DWG NO MPT-01 FOR MPT GENERAL NOTES AND LEGEND.
2. ALL PEDESTRIAN ROUTES, BUILDING ACCESS POINTS AND PARKING WITHIN OR ADJACENT TO THE WORK AREA SHALL BE COORDINATED WITH THE GOODWIN COLLEGE.





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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

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FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MAINTENANCE AND PROTECTION OF TRAFFIC PLAN STAGE 3

PROJECT NO. 15-384

DRAWING NO. MPT-06

SHEET NO. **17.10**

18 - CROSS SECTION PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
18.01	CROSS SECTIONS INDEX OF DRAWINGS		
18.02	BROAD STREET CROSS SECTIONS - 1		
18.03	BROAD STREET CROSS SECTIONS - 2		
18.04	BROAD STREET CROSS SECTIONS - 3		
18.05	BROAD STREET CROSS SECTIONS - 4		
18.06	BROAD STREET CROSS SECTIONS - 5		
18.07	BROAD STREET CROSS SECTIONS - 6		
18.08	BROAD STREET CROSS SECTIONS - 7		
18.09	BROAD STREET CROSS SECTIONS - 8		
18.10	BROAD STREET CROSS SECTIONS - 9		
18.11	MAIN STREET CROSS SECTIONS - 1		
18.12	MAIN STREET CROSS SECTIONS - 2		
18.13	MAIN STREET CROSS SECTIONS - 3		
18.14	MAIN STREET CROSS SECTIONS - 4		
18.15	UNIVERSITY AVENUE CROSS SECTIONS - 1		
18.16	UNIVERSITY AVENUE CROSS SECTIONS - 2		
18.17	UNIVERSITY AVENUE CROSS SECTIONS - 3		
18.18	UNIVERSITY AVENUE CROSS SECTIONS - 4		
18.19	UNIVERSITY AVENUE CROSS SECTIONS - 5		
18.20	UNIVERSITY AVENUE CROSS SECTIONS - 6		
18.21	FLOODWALL CROSS SECTIONS - 1		
18.22	FLOODWALL CROSS SECTIONS - 2		
18.23	FLOODWALL CROSS SECTIONS - 3		
18.24	FLOODWALL CROSS SECTIONS - 4		
18.25	FLOODWALL CROSS SECTIONS - 5		
18.26	FLOODWALL CROSS SECTIONS - 6		

PROGRESS PRINTS

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DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CROSS SECTIONS INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. XCS-00

SHEET NO. **18.01**

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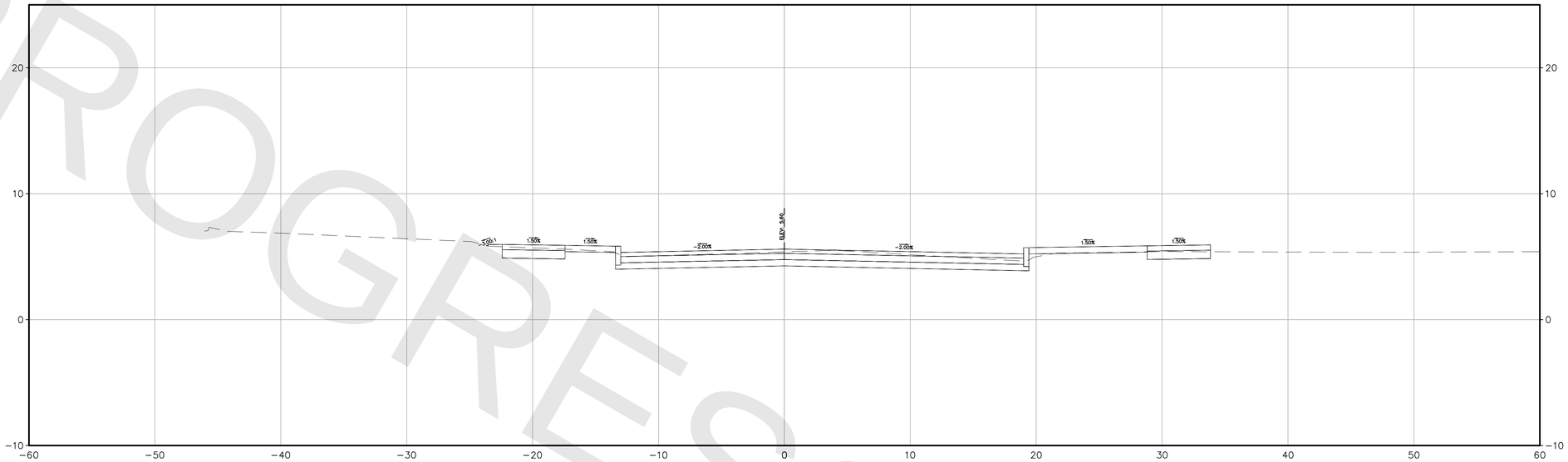

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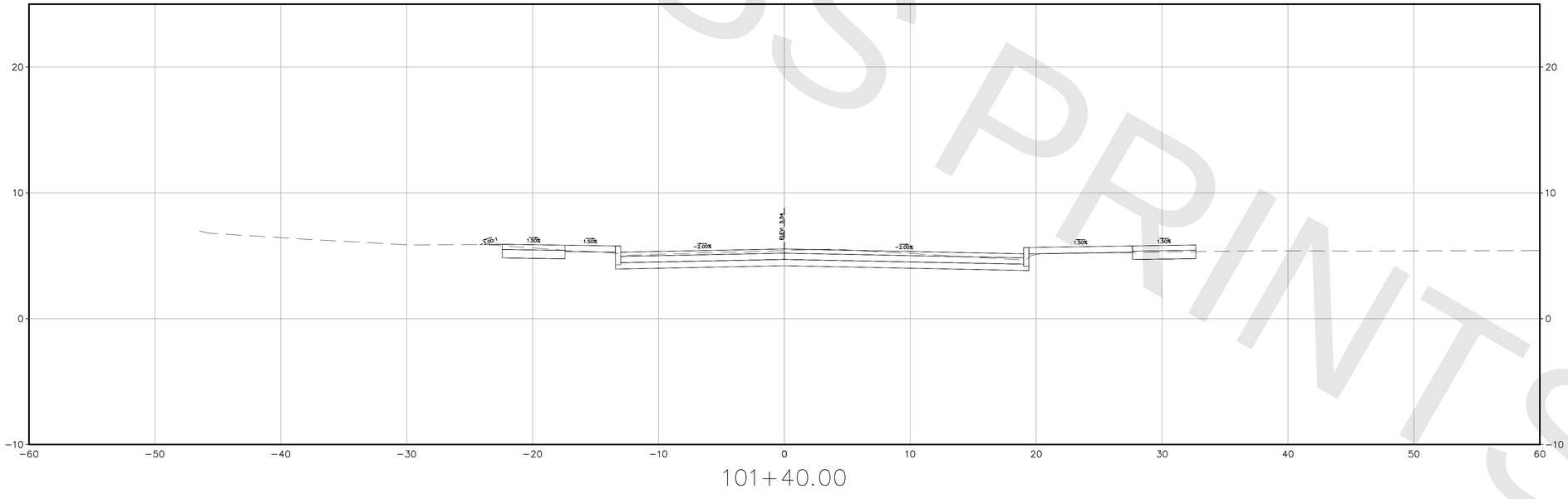

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PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 5 10
NOT TO SCALE
SCALE 1"=5'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BROAD STREET CROSS SECTIONS - 1

PROJECT NO. 15-384

DRAWING NO. XSC-01

SHEET NO. **18.02**

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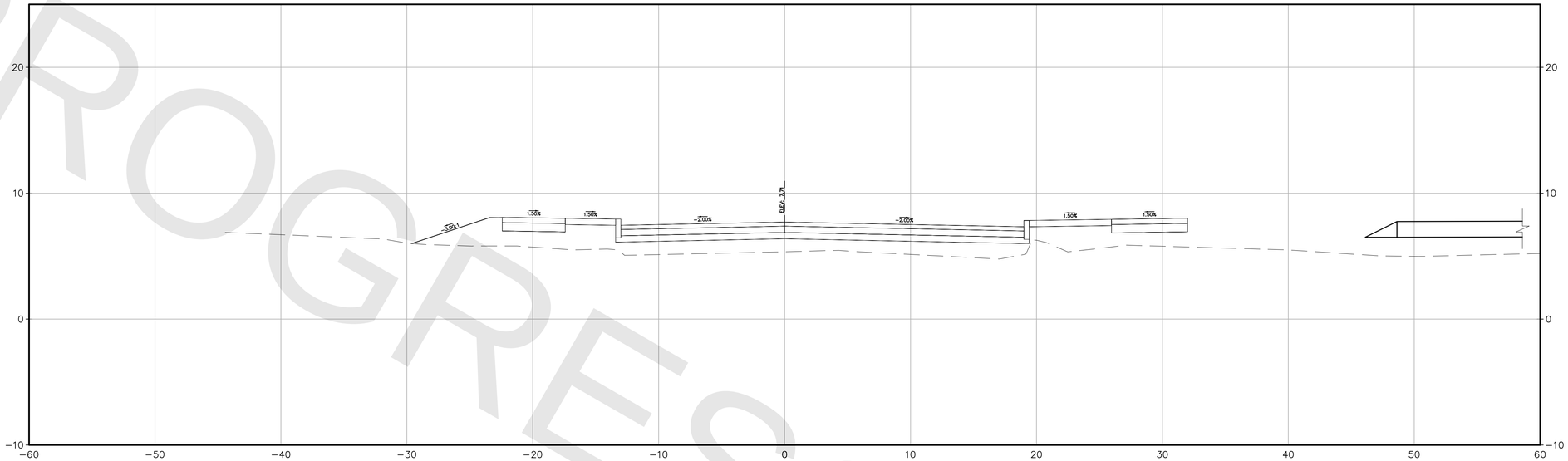

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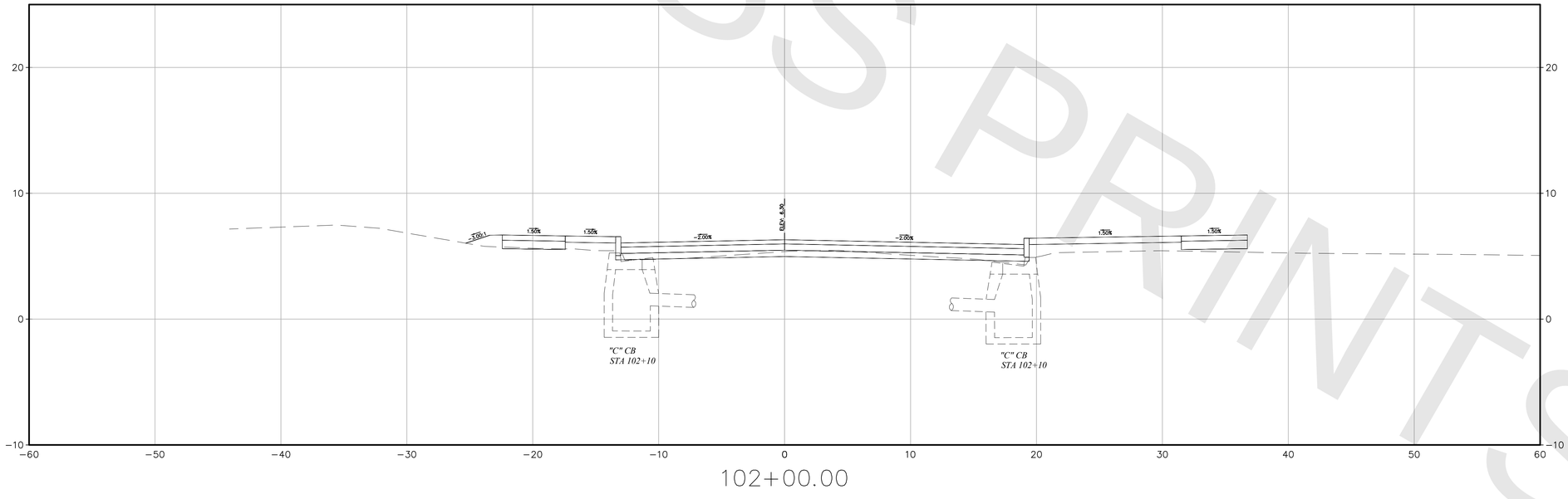

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PROGRESS PRINTS

FINAL DESIGN REVIEW

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BROAD STREET CROSS SECTIONS - 2

PROJECT NO. 15-384

DRAWING NO. XSC-02

SHEET NO. **18.03**

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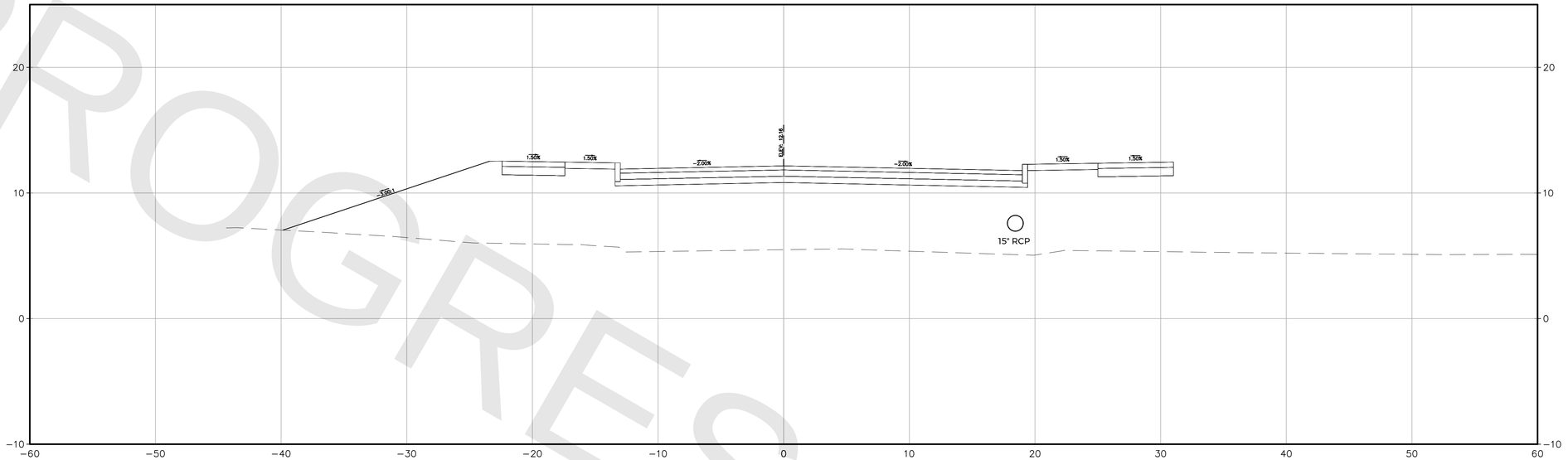

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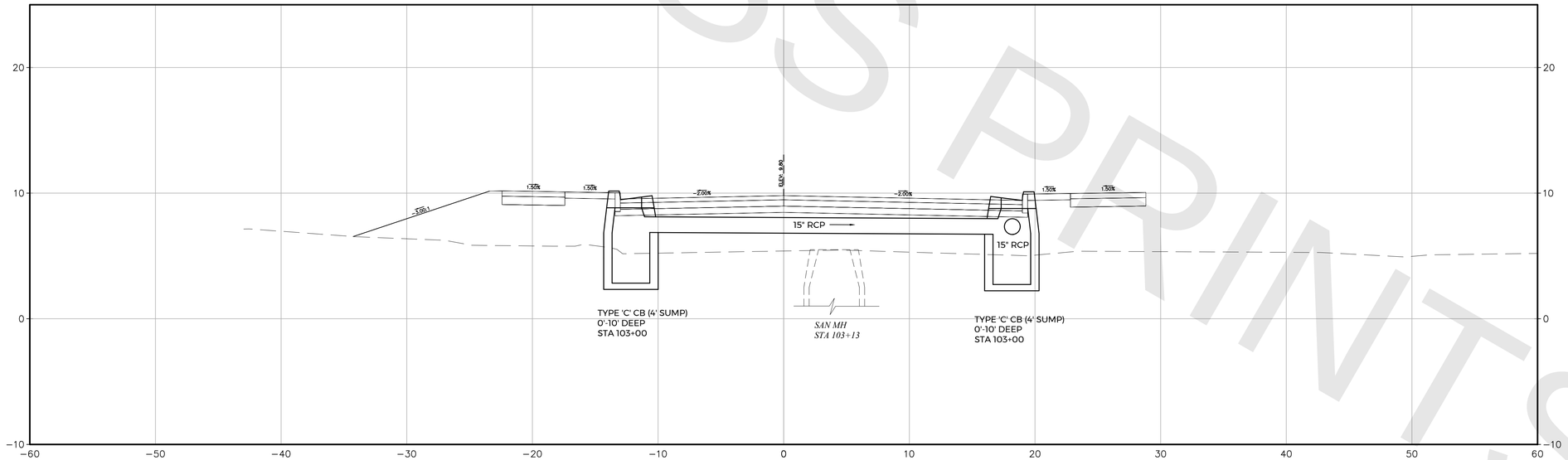

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PROGRESS PRINTS

FINAL DESIGN REVIEW

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SCALE IN FEET
0 NOT TO SCALE 10
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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BROAD STREET CROSS SECTIONS - 3

PROJECT NO. 15-384

DRAWING NO. XSC-03

SHEET NO. **18.04**

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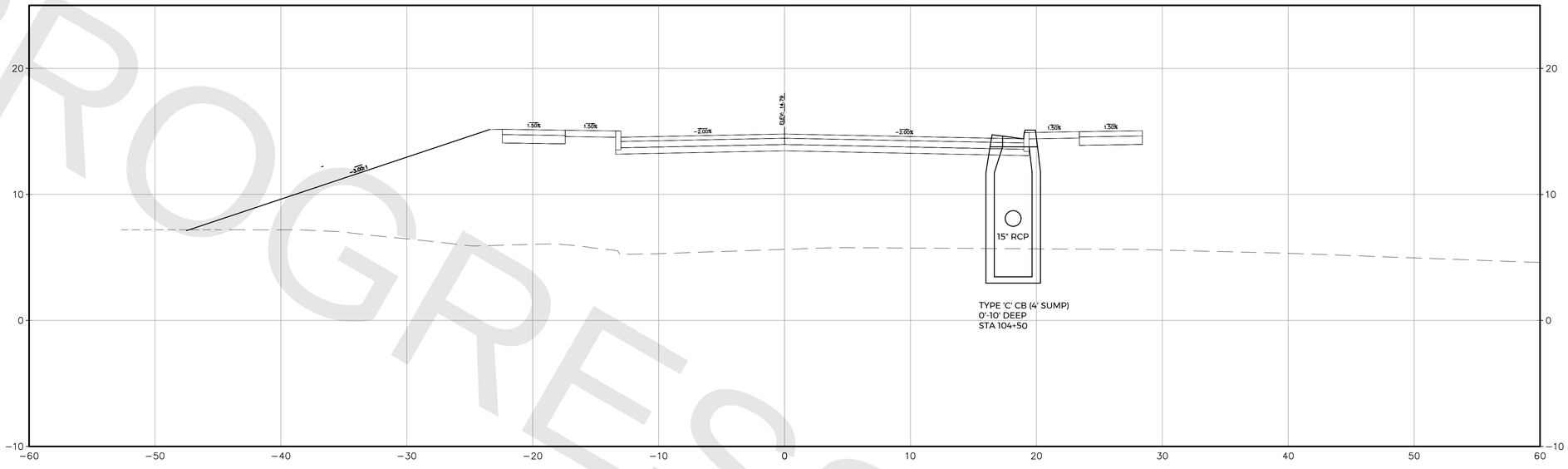

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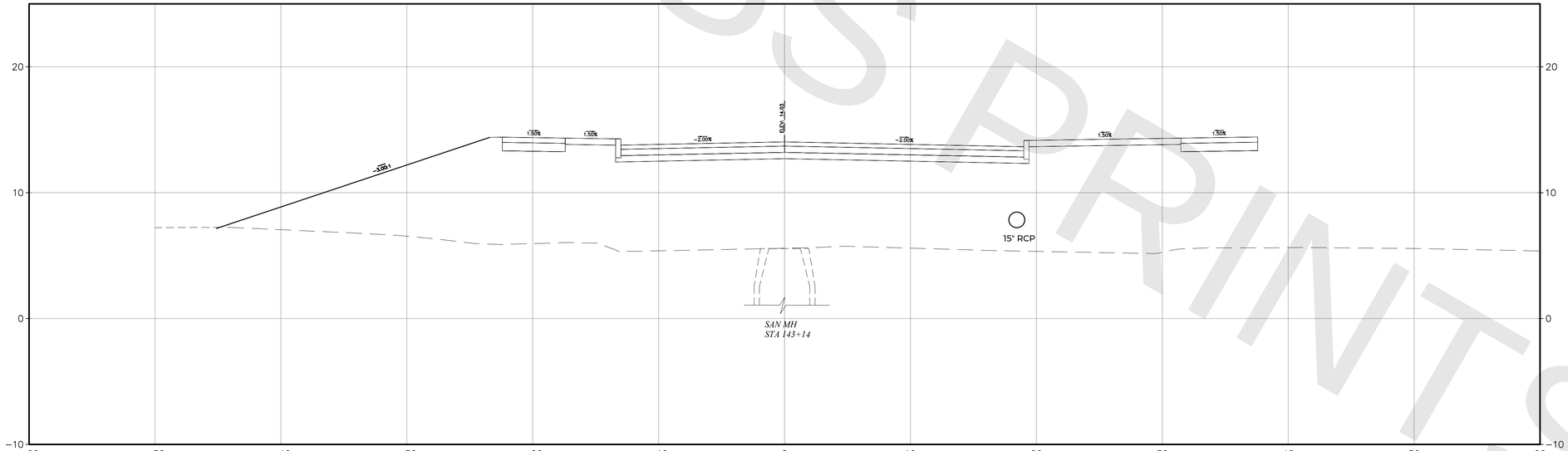

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PROGRESS PRINTS

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DATE/TIME = Jan 24, 2022 - 4:28pm

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

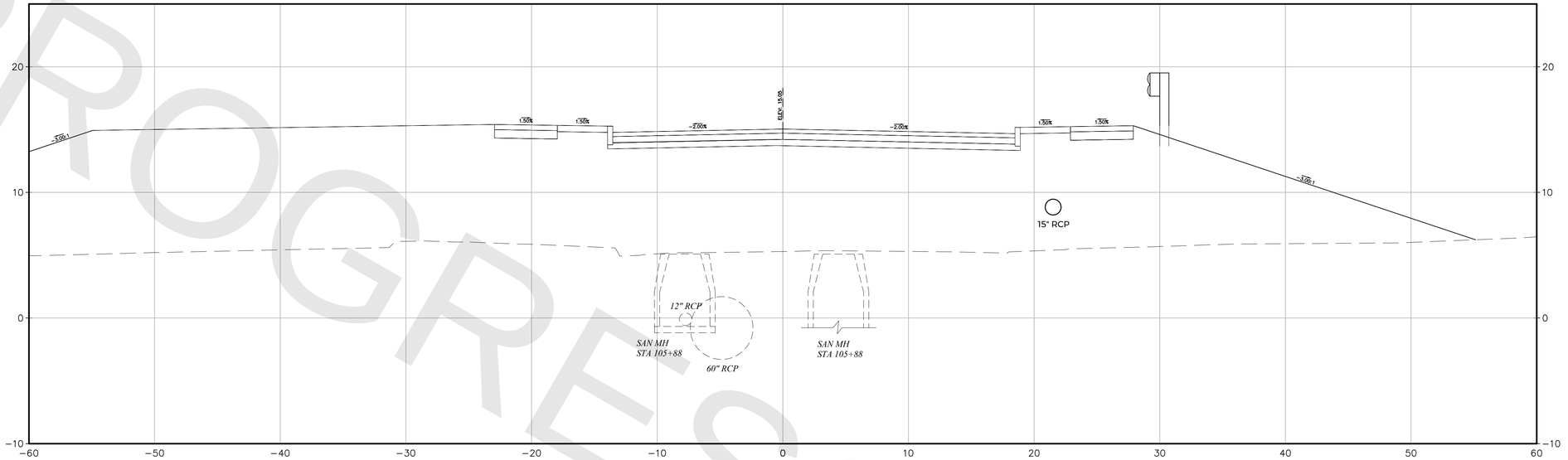
TOWN: BRIDGEPORT

DRAWING TITLE: BROAD STREET CROSS SECTIONS - 4

PROJECT NO. 15-384

DRAWING NO. XSC-04

SHEET NO. **18.05**



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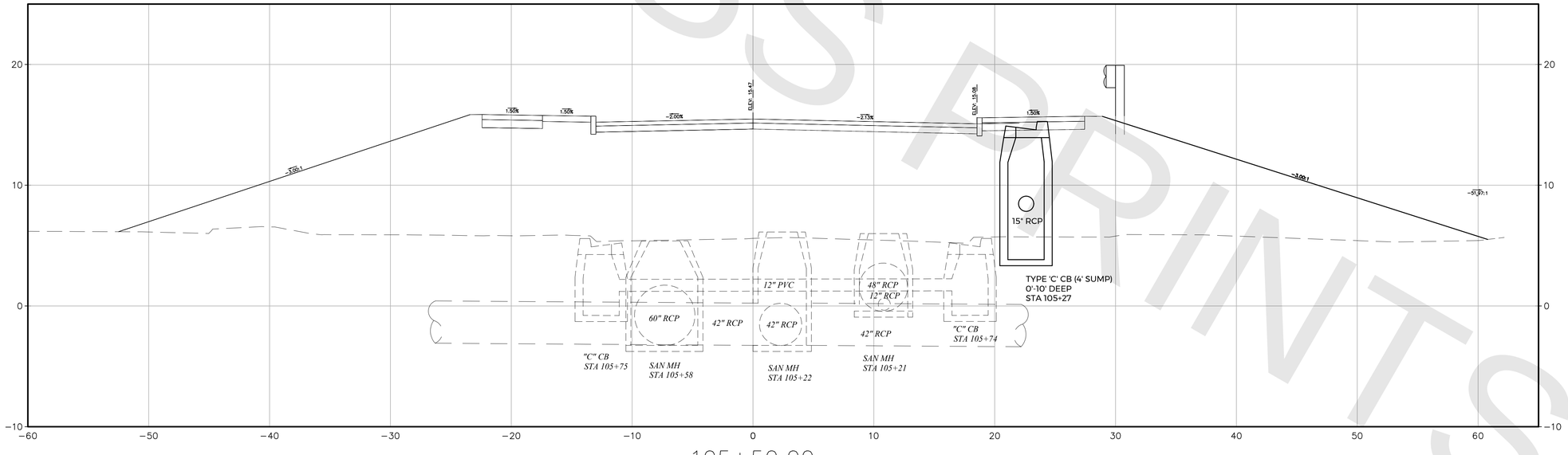

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PROGRESS PRINTS

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BROAD STREET CROSS SECTIONS - 5

PROJECT NO. 15-384

DRAWING NO. XSC-05

SHEET NO. **18.06**

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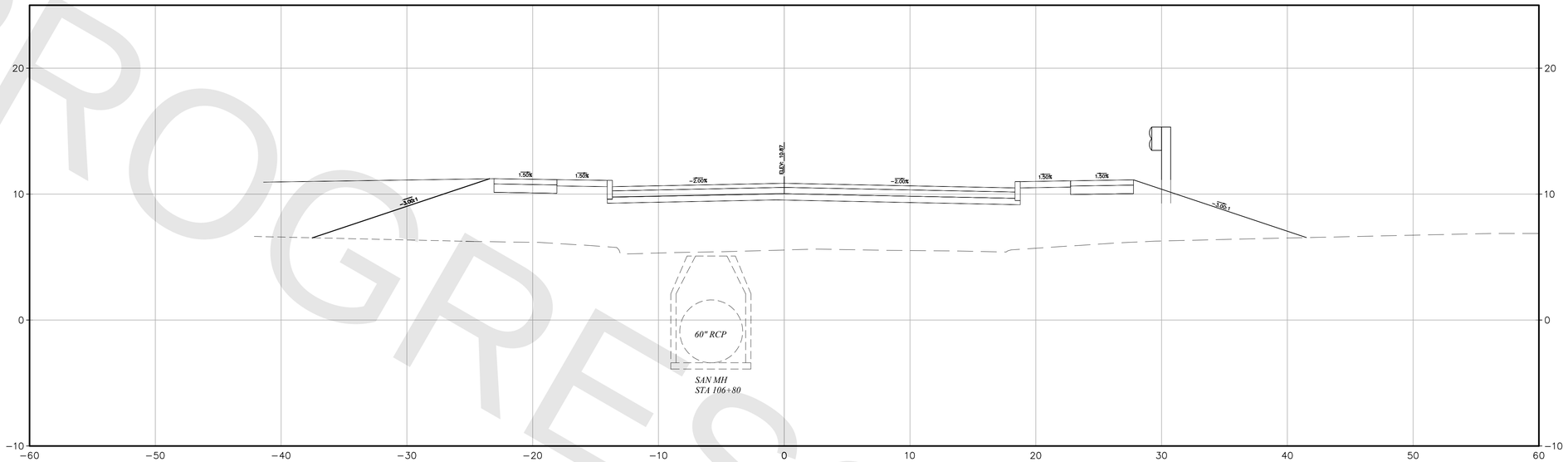

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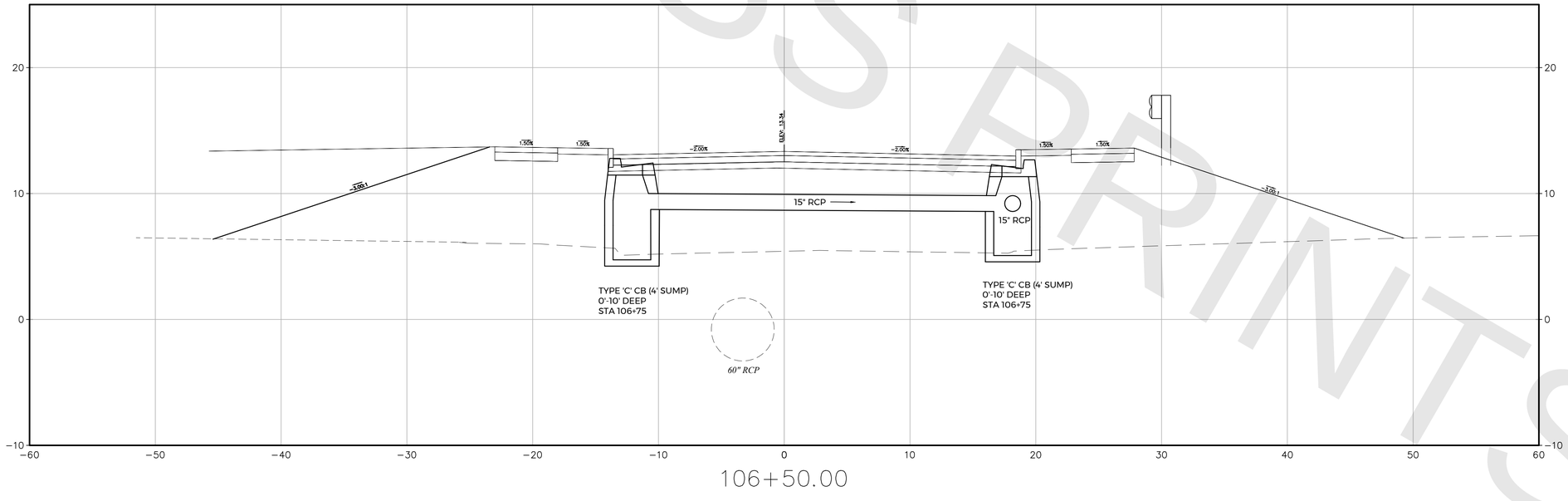

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PROGRESS PRINTS

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FINAL DESIGN REVIEW

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CHECKED BY: BB

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
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2200 Prytania St. New Orleans, LA

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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

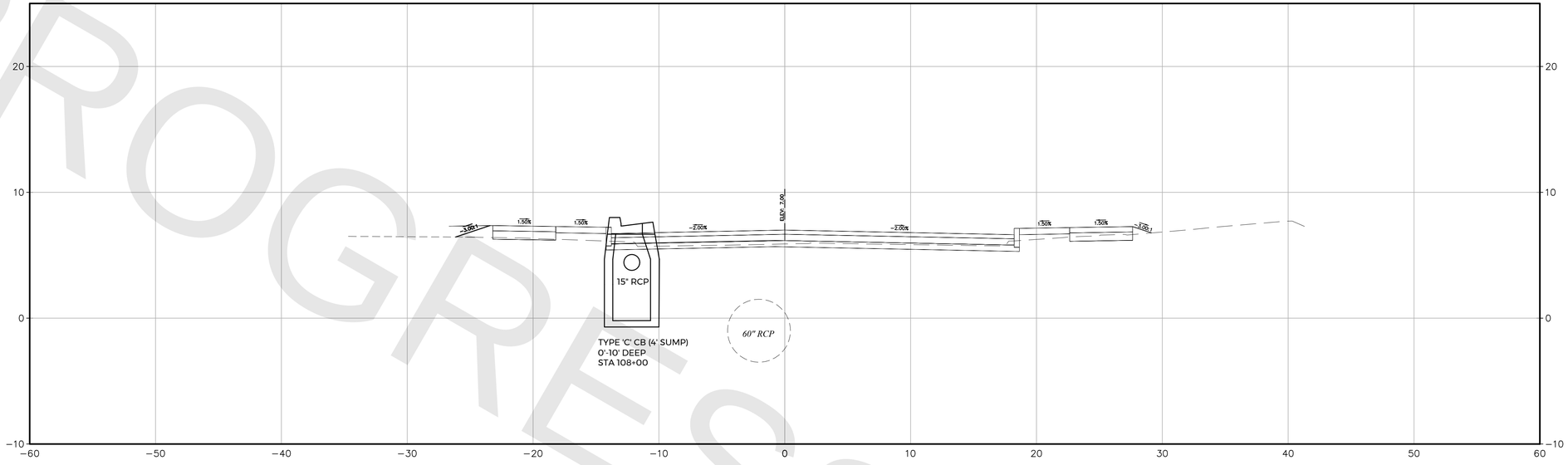
TOWN: BRIDGEPORT

DRAWING TITLE: BROAD STREET CROSS SECTIONS - 6

PROJECT NO. 15-384

DRAWING NO. XSC-06

SHEET NO. **18.07**



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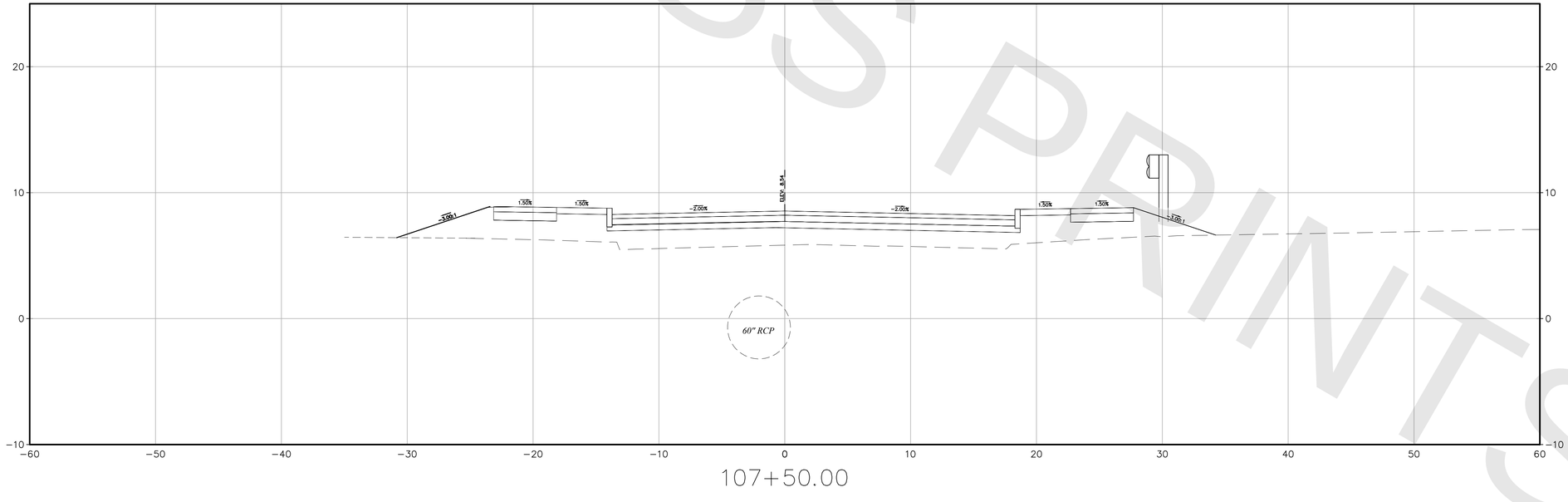

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PROGRESS PRINTS

FINAL DESIGN REVIEW

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500 Winding Brook Dr. Glastonbury, CT

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BROAD STREET CROSS SECTIONS - 7

PROJECT NO. 15-384

DRAWING NO. XSC-07

SHEET NO. **18.08**

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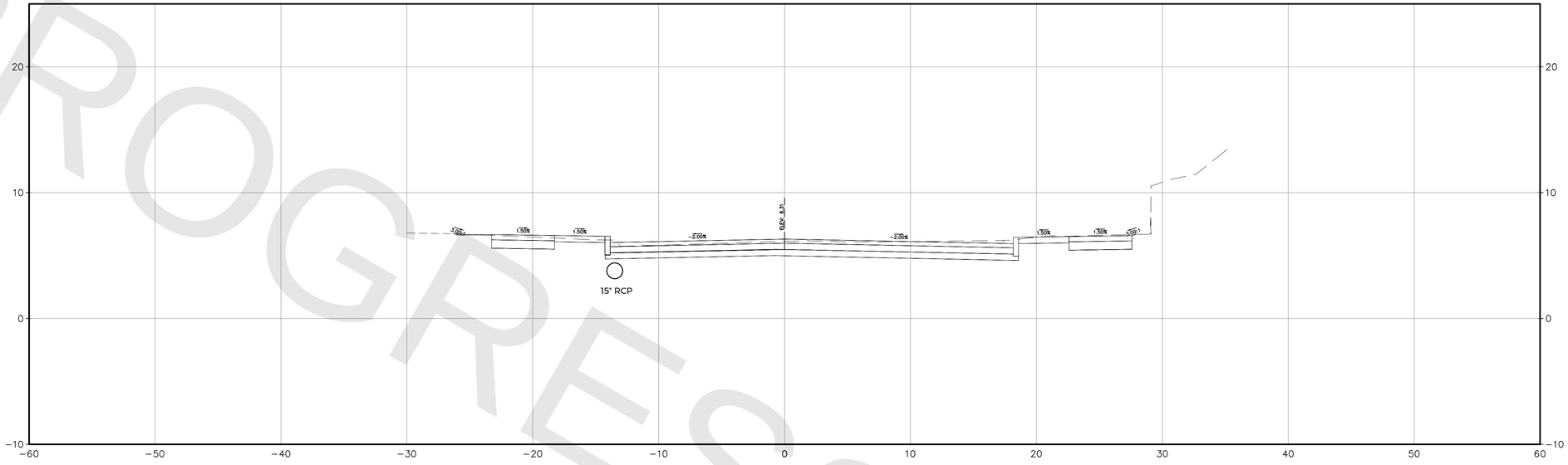

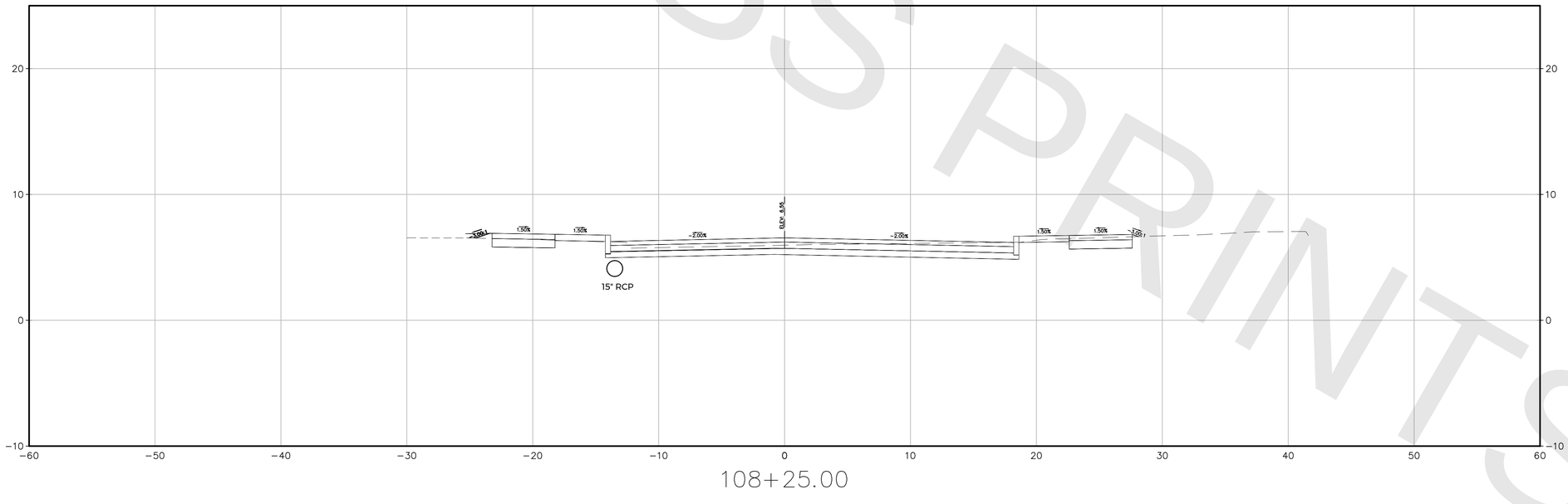

PROGRESS PRINTS

FINAL DESIGN REVIEW

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_XSEC BROAD ST.dwg
DATE/TIME = Jan 24, 2022 - 4:30pm

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SCALE IN FEET
0 5 10
NOT TO SCALE
SCALE 1"=5'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

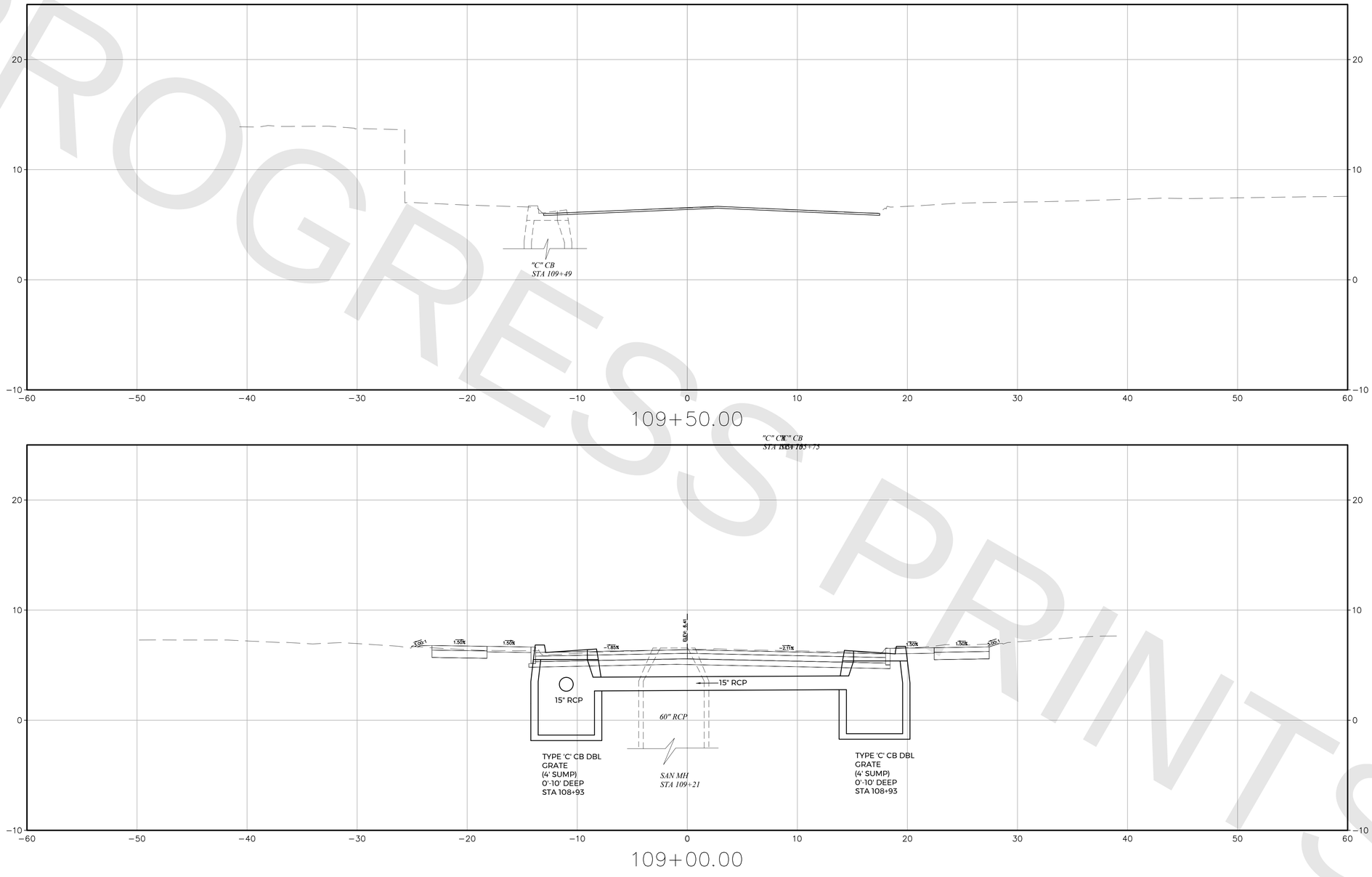
DRAWING TITLE: BROAD STREET CROSS SECTIONS - 8

PROJECT NO. 15-384

DRAWING NO. XSC-08

SHEET NO. **18.09**

PROGRESS PRINTS



FINAL DESIGN REVIEW

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SCALE IN FEET
0 5 10
NOT TO SCALE
SCALE 1"=5'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

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2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BROAD STREET CROSS SECTIONS - 9

PROJECT NO. 15-384

DRAWING NO. XSC-09

SHEET NO. **18.10**

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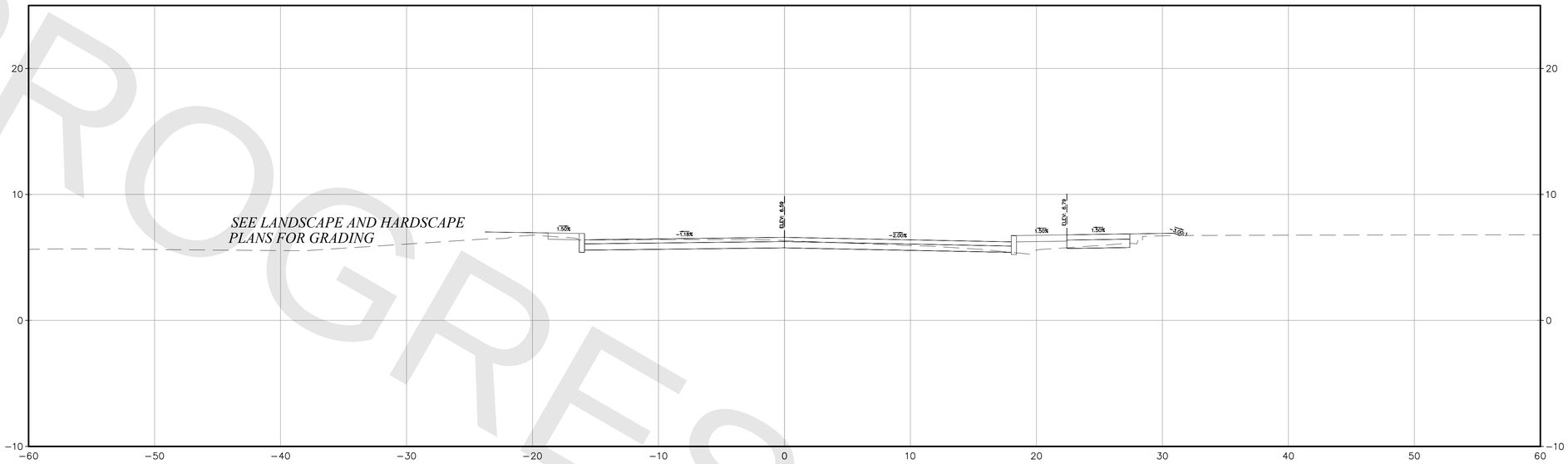
PROGRESS PRINTS



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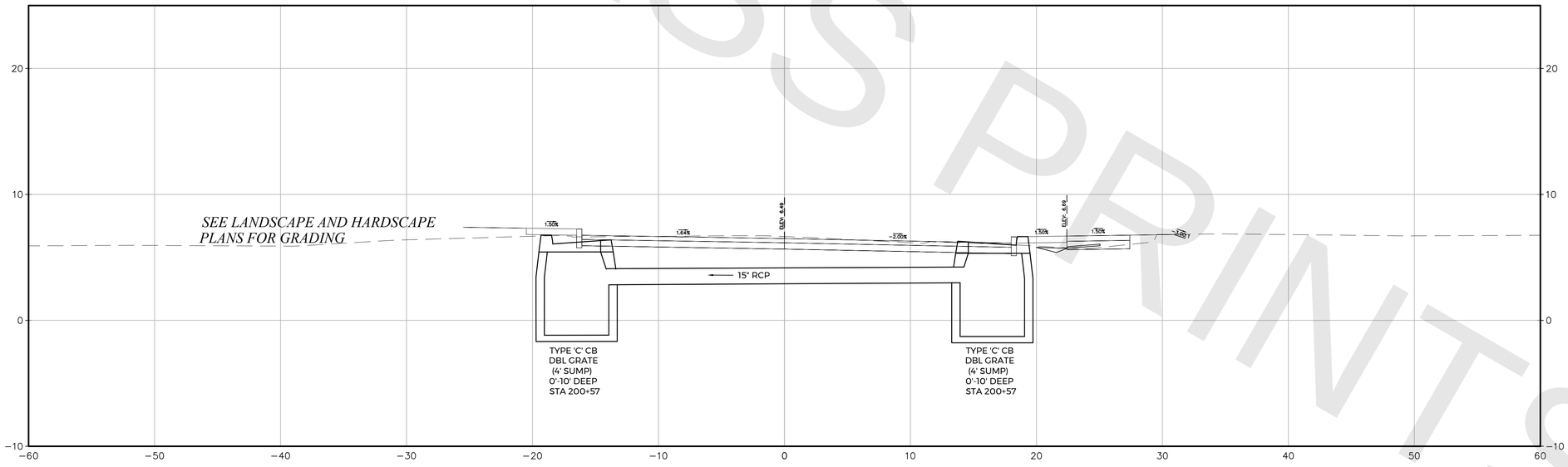

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FINAL DESIGN REVIEW

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SCALE IN FEET
0 NOT TO SCALE 10
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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

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ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MAIN STREET CROSS SECTIONS - 1

PROJECT NO. 15-384

DRAWING NO. XSC-10

SHEET NO. **18.11**

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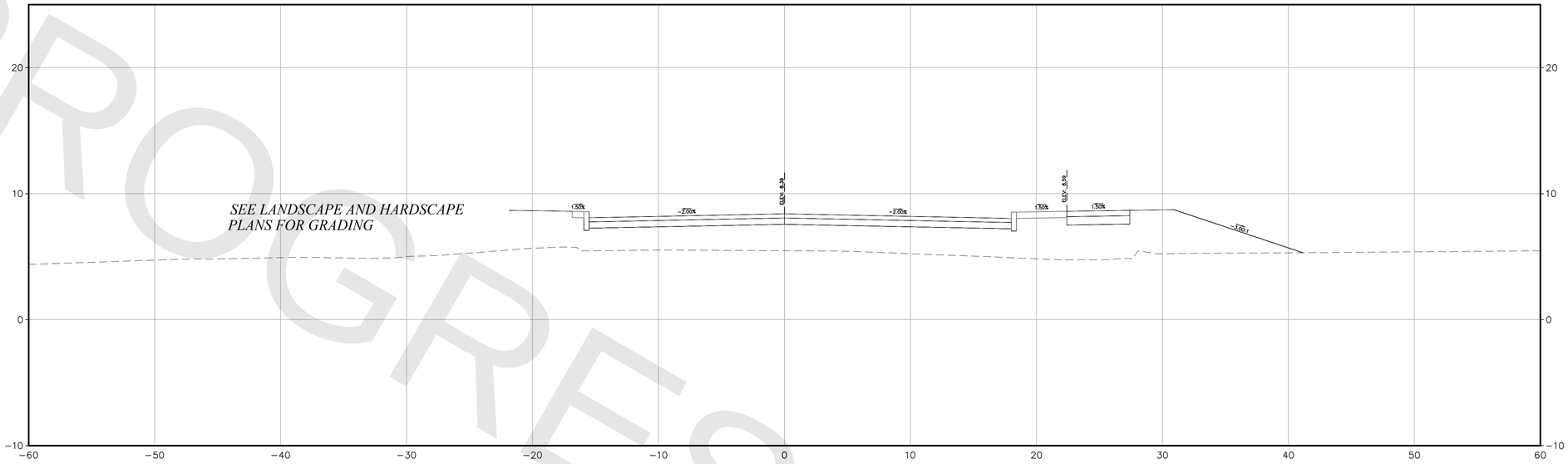

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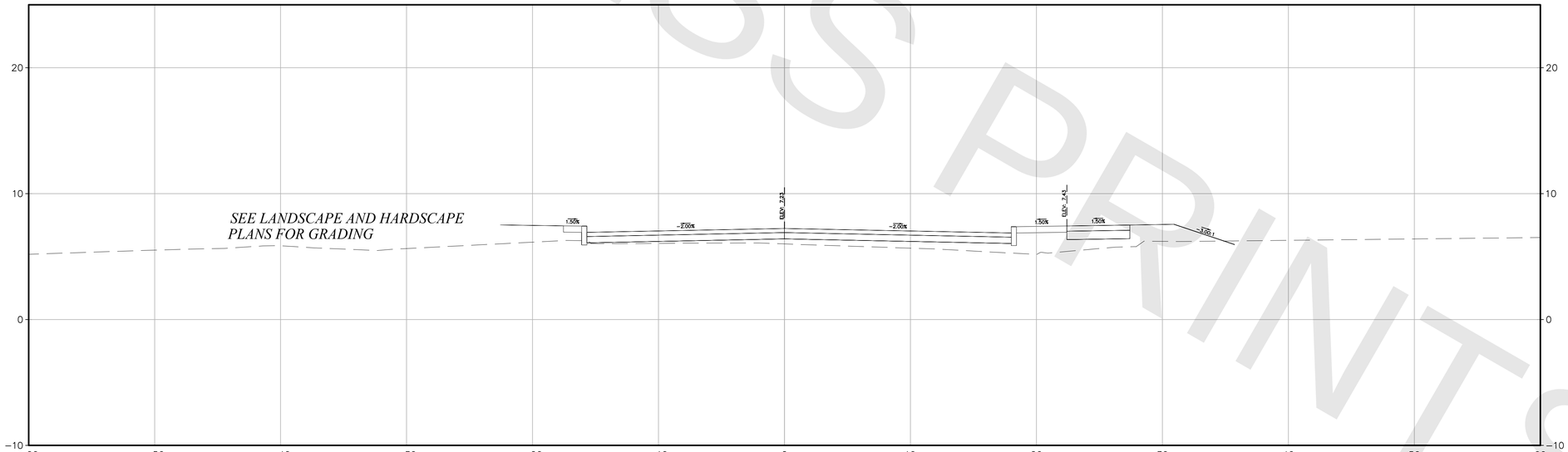

201+50.00

PROGRESS PRINTS

FINAL DESIGN REVIEW

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SCALE 1"=5'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
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WAGGONNER & BALL
WAGGONNER & BALL
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ARCADIS
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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MAIN STREET CROSS SECTIONS - 2

PROJECT NO. 15-384

DRAWING NO. XSC-11

SHEET NO. **18.12**

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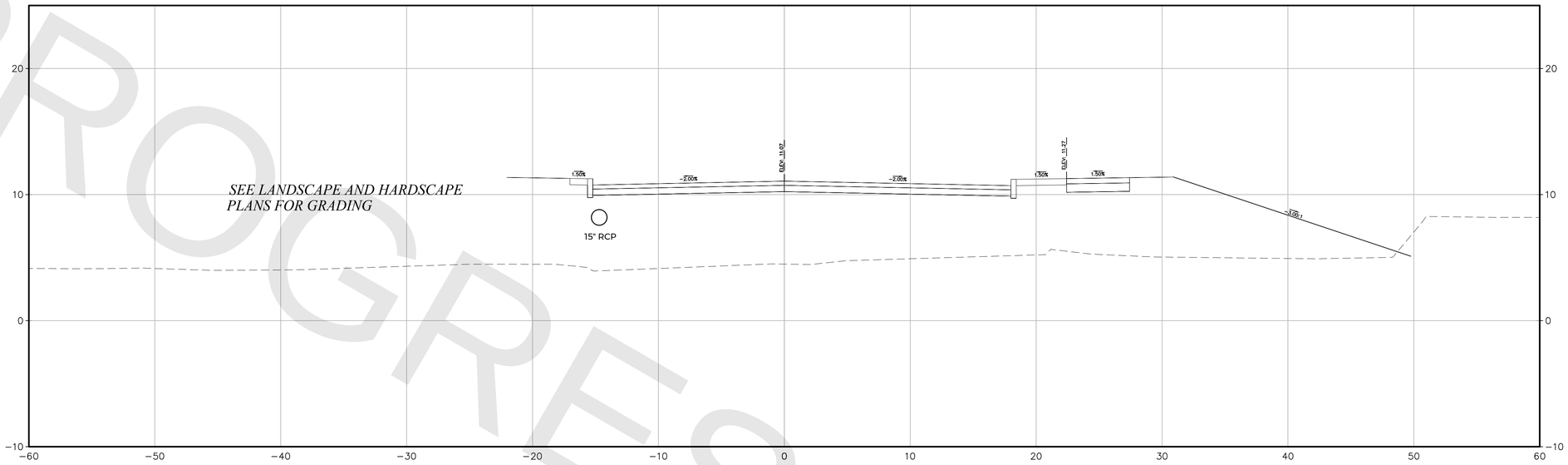

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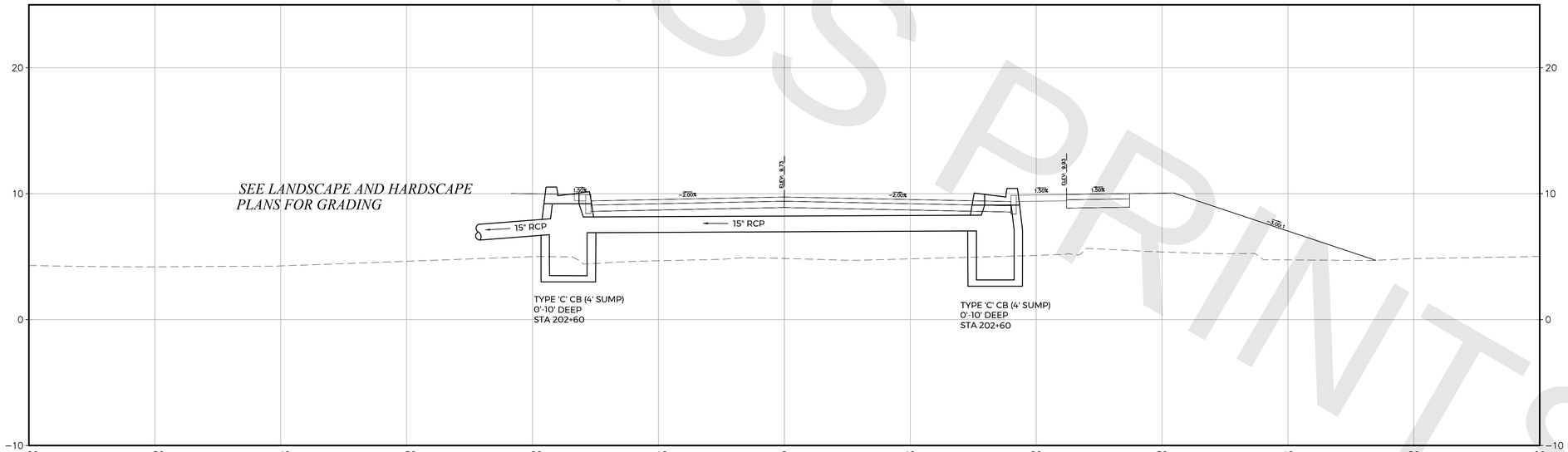

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PROGRESS PRINTS

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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WAGGONNER & BALL
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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: MAIN STREET CROSS SECTIONS - 3

PROJECT NO. 15-384

DRAWING NO. XSC-12

SHEET NO. **18.13**

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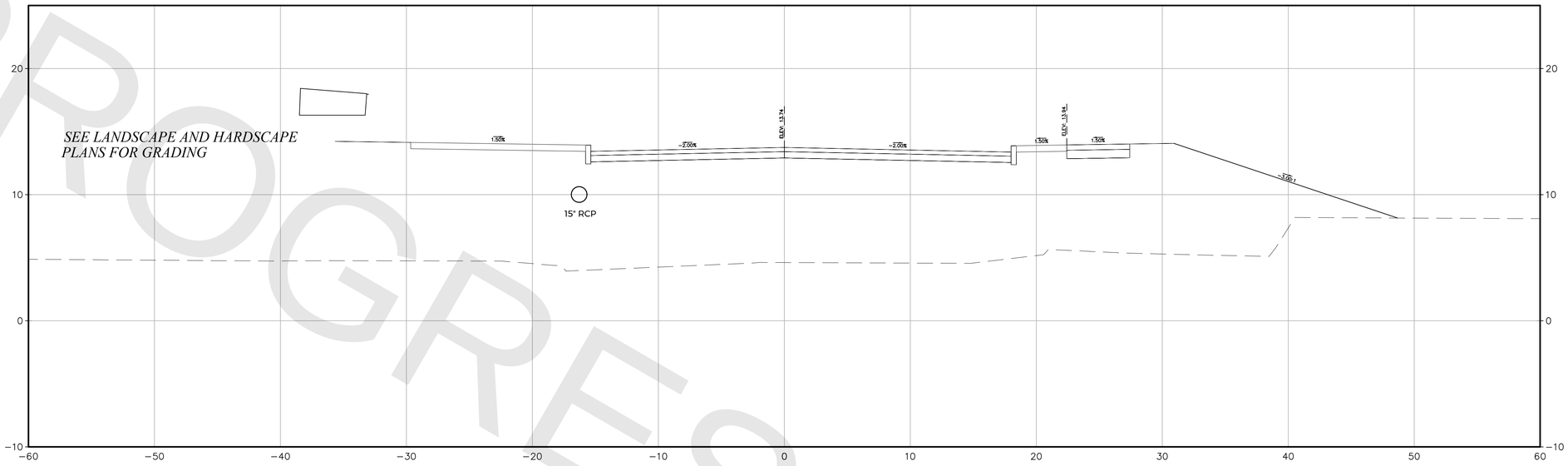

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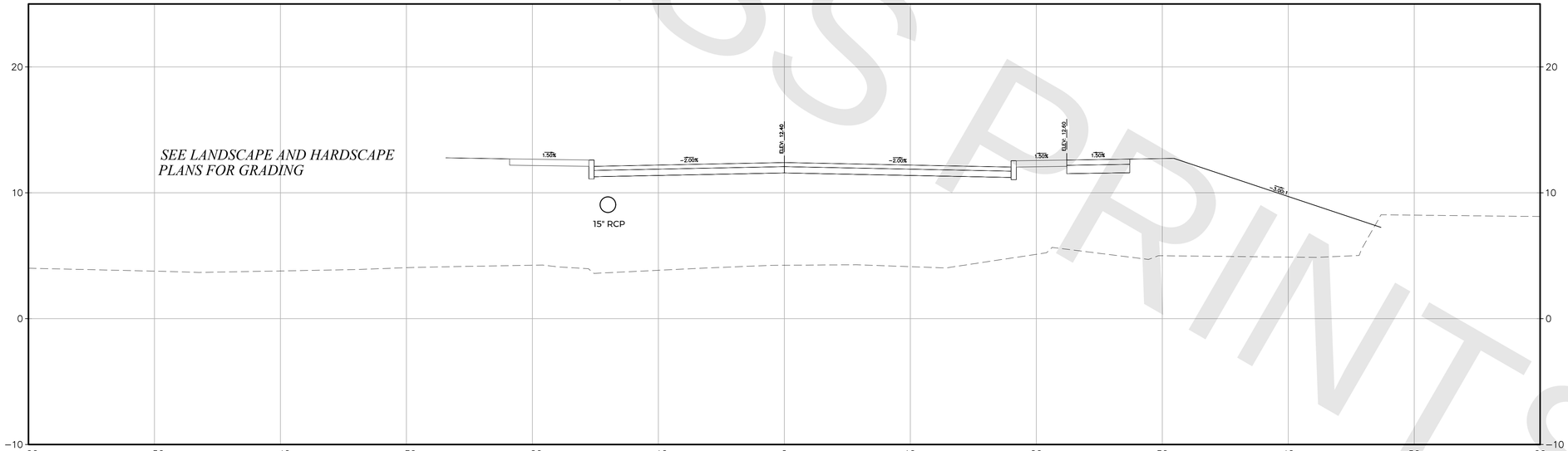

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PROGRESS PRINTS

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_XSEC MAIN ST.dwg
DATE/TIME = Jan 24, 2022 - 4:50pm

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

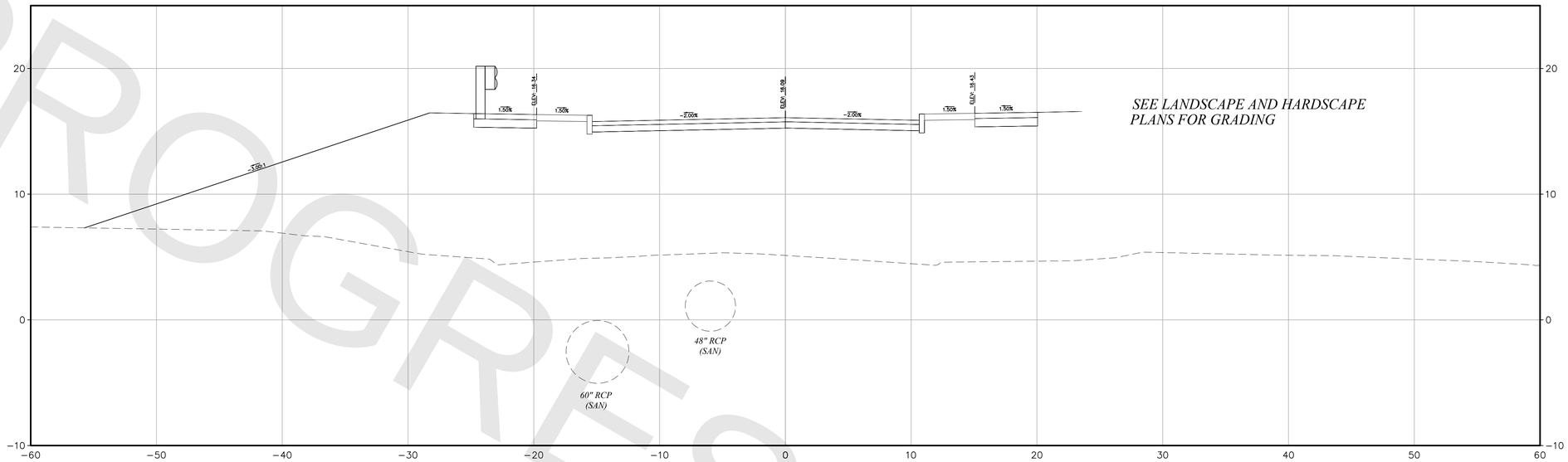
TOWN: BRIDGEPORT

DRAWING TITLE: MAIN STREET CROSS SECTIONS - 4

PROJECT NO. 15-384

DRAWING NO. XSC-13

SHEET NO. **18.14**



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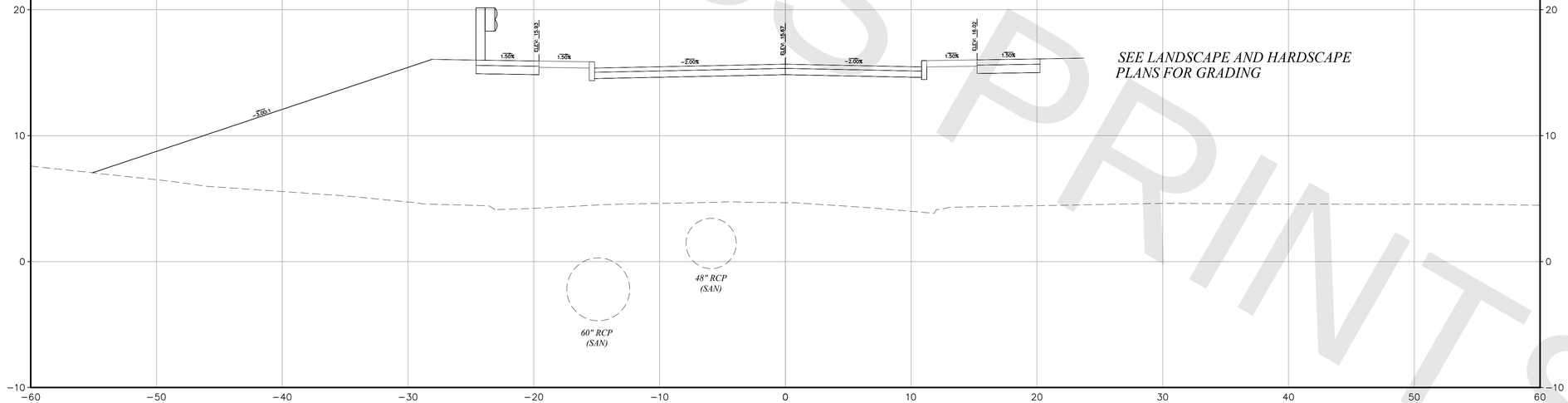

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PROGRESS PRINTS

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DATE/TIME = Jan 24, 2022 - 5:13pm

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CK/MD

CHECKED BY: BB

SCALE IN FEET
0 5 10
NOT TO SCALE
SCALE 1"=5'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

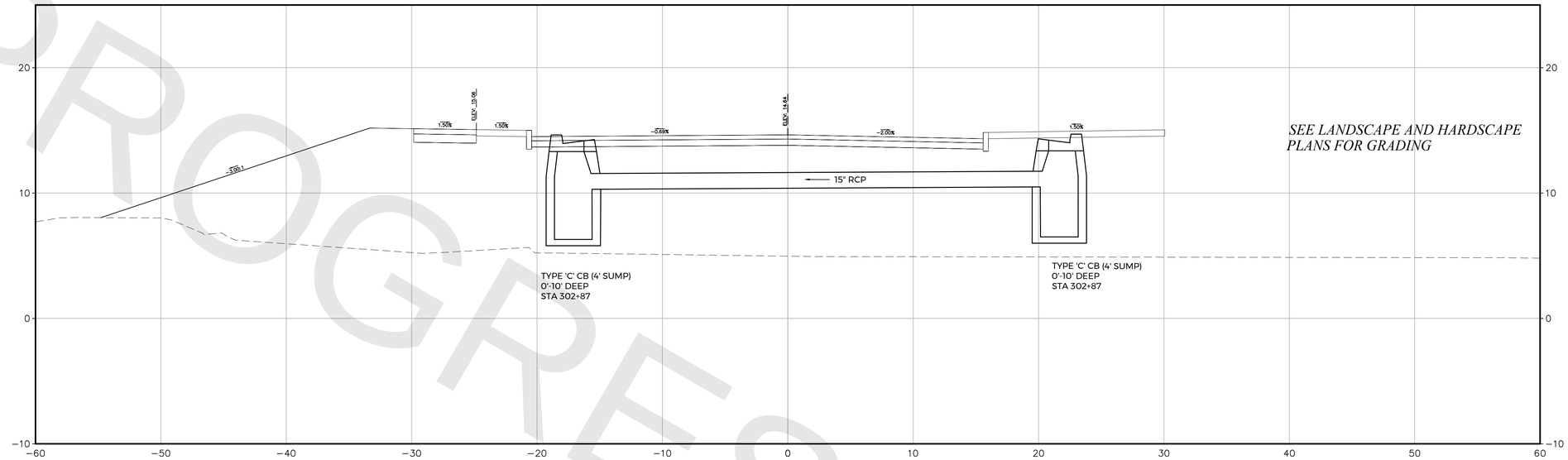
DRAWING TITLE: UNIVERSITY AVENUE CROSS SECTIONS - 1

PROJECT NO. 15-384

DRAWING NO. XSC-14

SHEET NO. **18.15**

PROGRESS PRINTS



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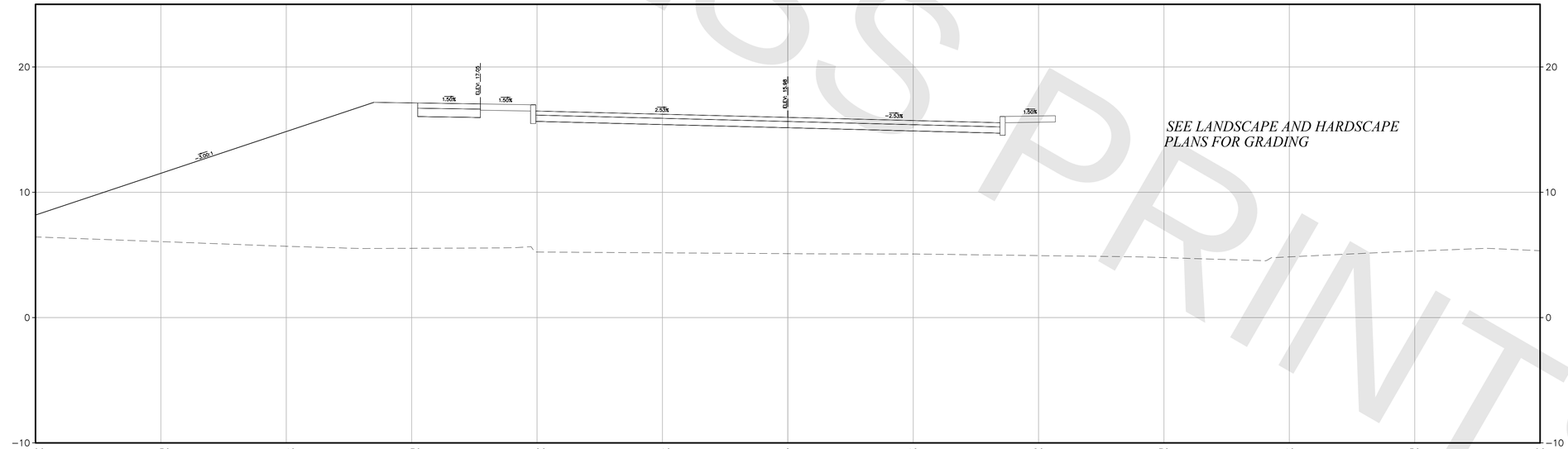

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FINAL DESIGN REVIEW

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: UNIVERSITY AVENUE CROSS SECTIONS - 2

PROJECT NO. 15-384

DRAWING NO. XSC-15

SHEET NO. **18.16**

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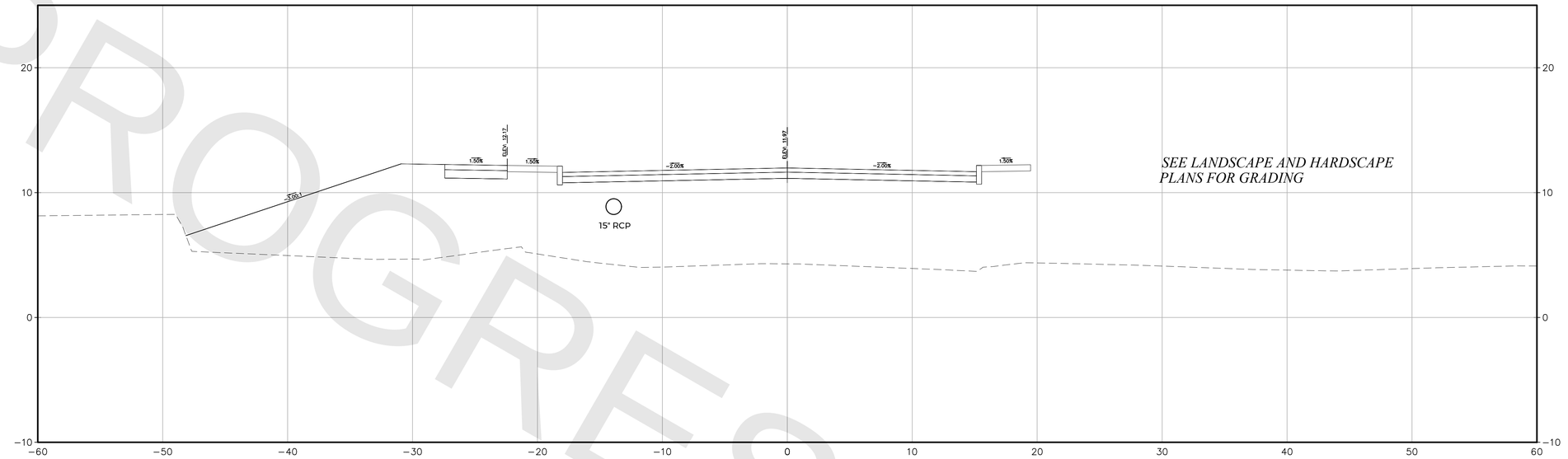

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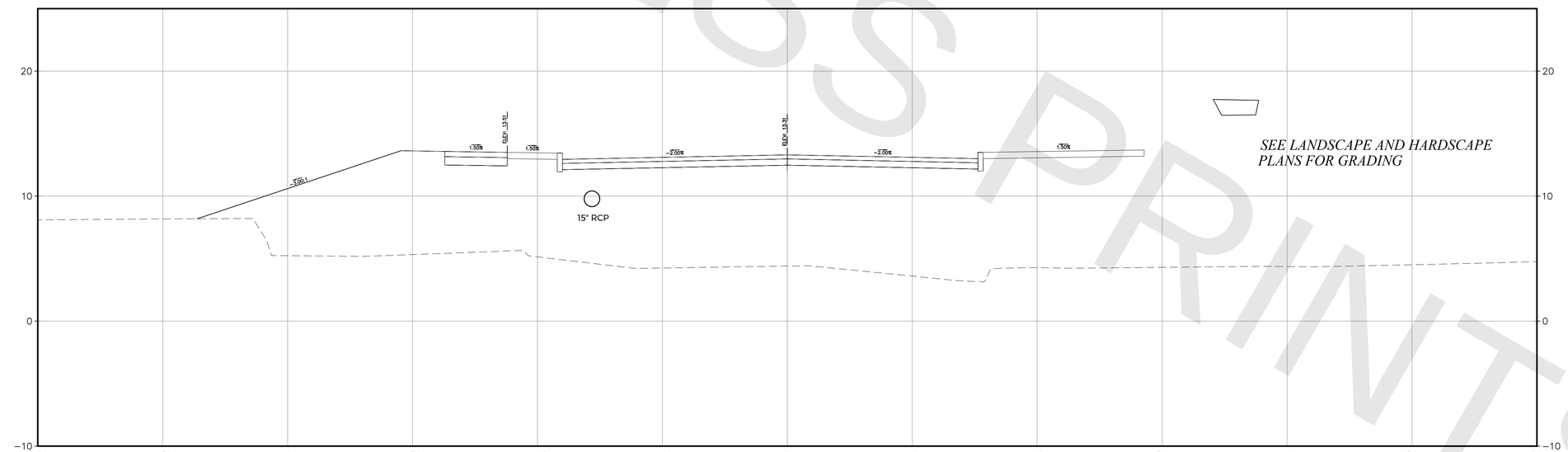

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PROGRESS PRINTS

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: UNIVERSITY AVENUE CROSS SECTIONS - 3

PROJECT NO. 15-384

DRAWING NO. XSC-16

SHEET NO. **18.17**

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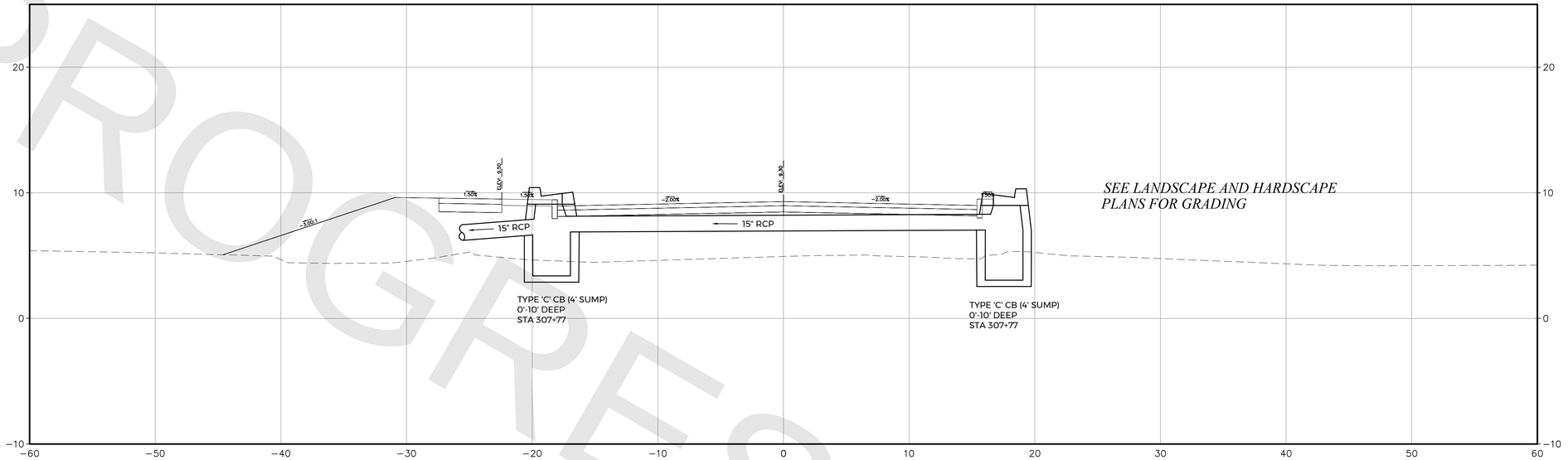

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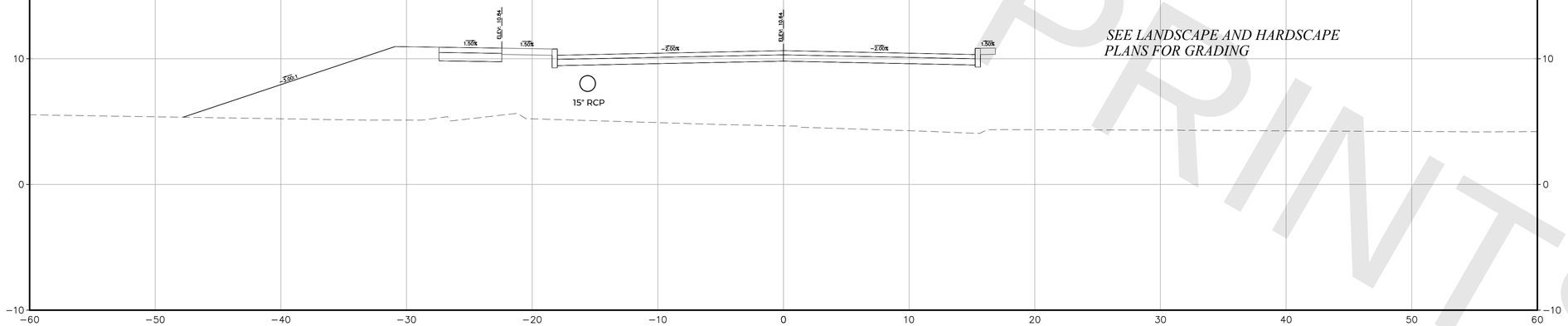

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PROGRESS PRINTS

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: UNIVERSITY AVENUE CROSS SECTIONS - 4

PROJECT NO. 15-384

DRAWING NO. XSC-17

SHEET NO. **18.18**

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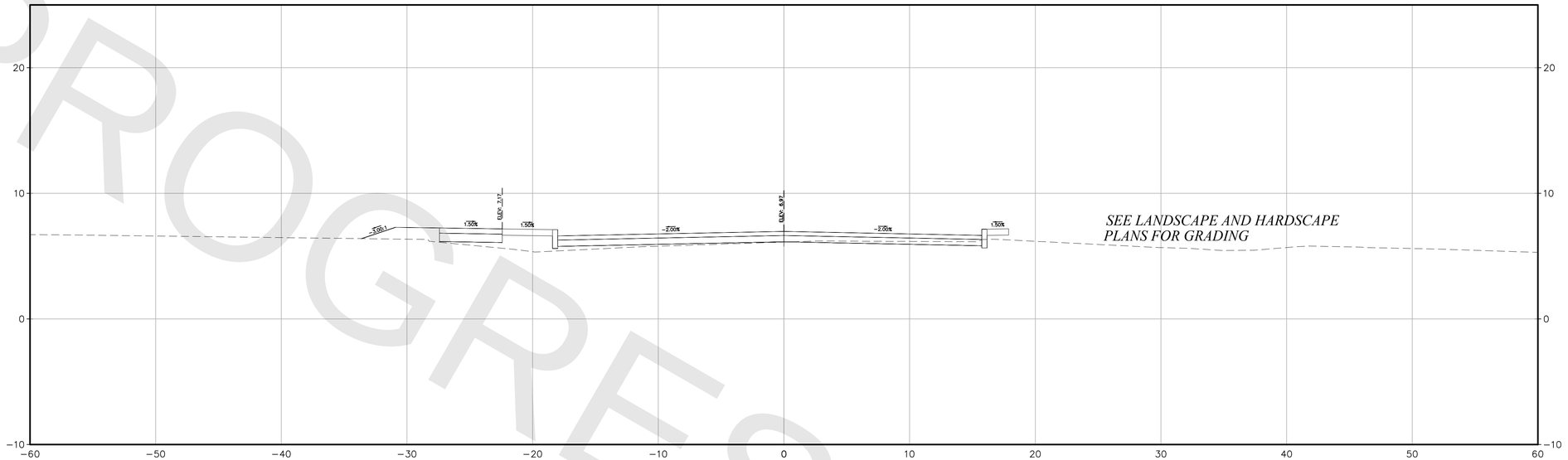

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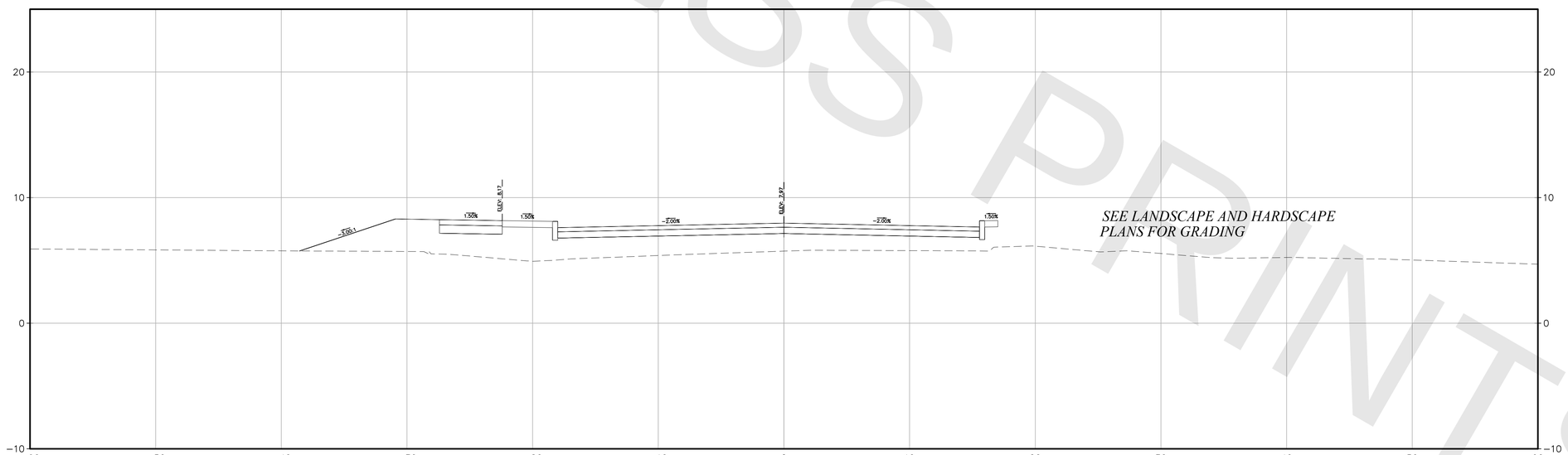

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PROGRESS PRINTS

FINAL DESIGN REVIEW

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DATE/TIME = Jan 24, 2022 - 10:09pm

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SCALE IN FEET
0 5 10
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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

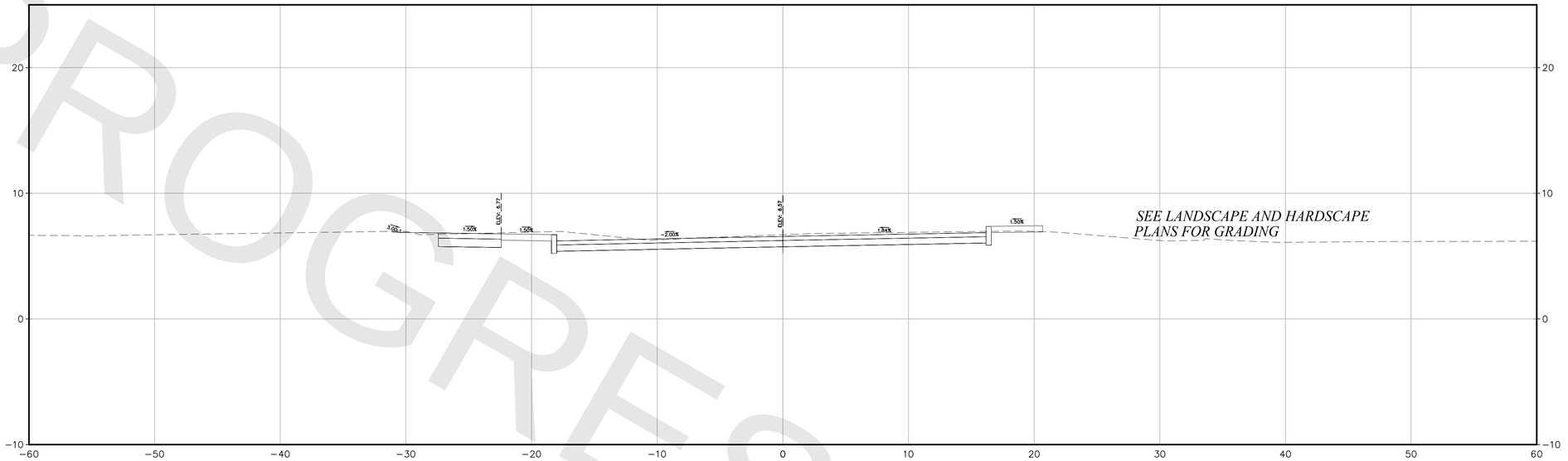
TOWN: BRIDGEPORT

DRAWING TITLE: UNIVERSITY AVENUE CROSS SECTIONS - 5

PROJECT NO. 15-384

DRAWING NO. XSC-18

SHEET NO. **18.19**



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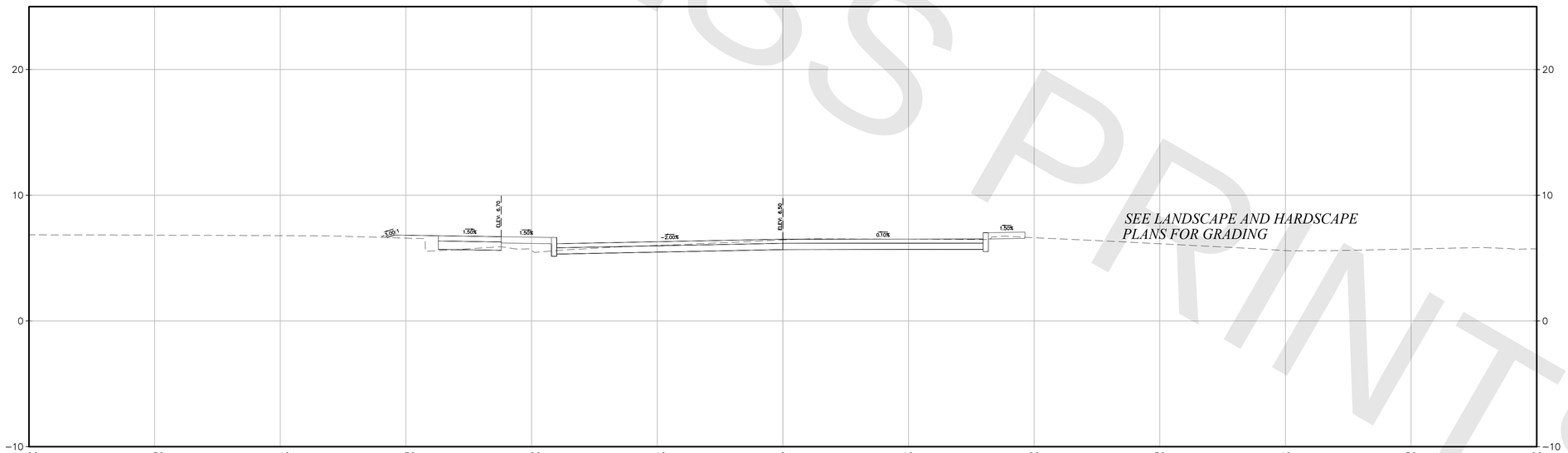

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PROGRESS PRINTS

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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: UNIVERSITY AVENUE CROSS SECTIONS - 6

PROJECT NO. 15-384

DRAWING NO. XSC-19

SHEET NO. **18.20**

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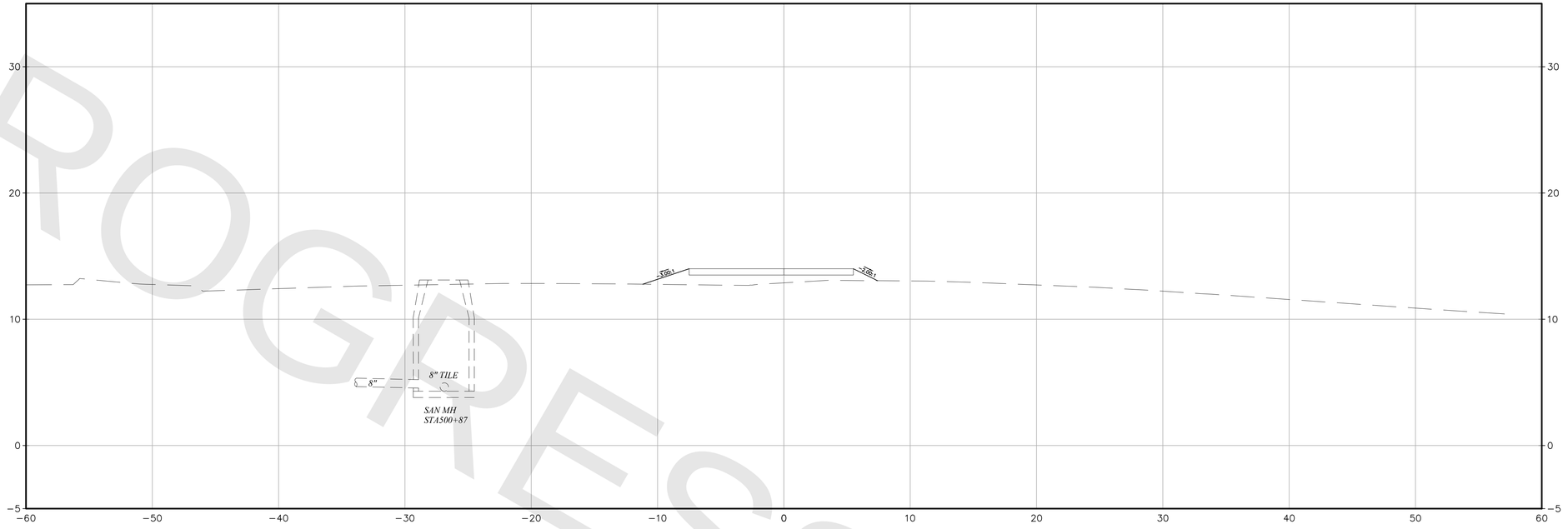

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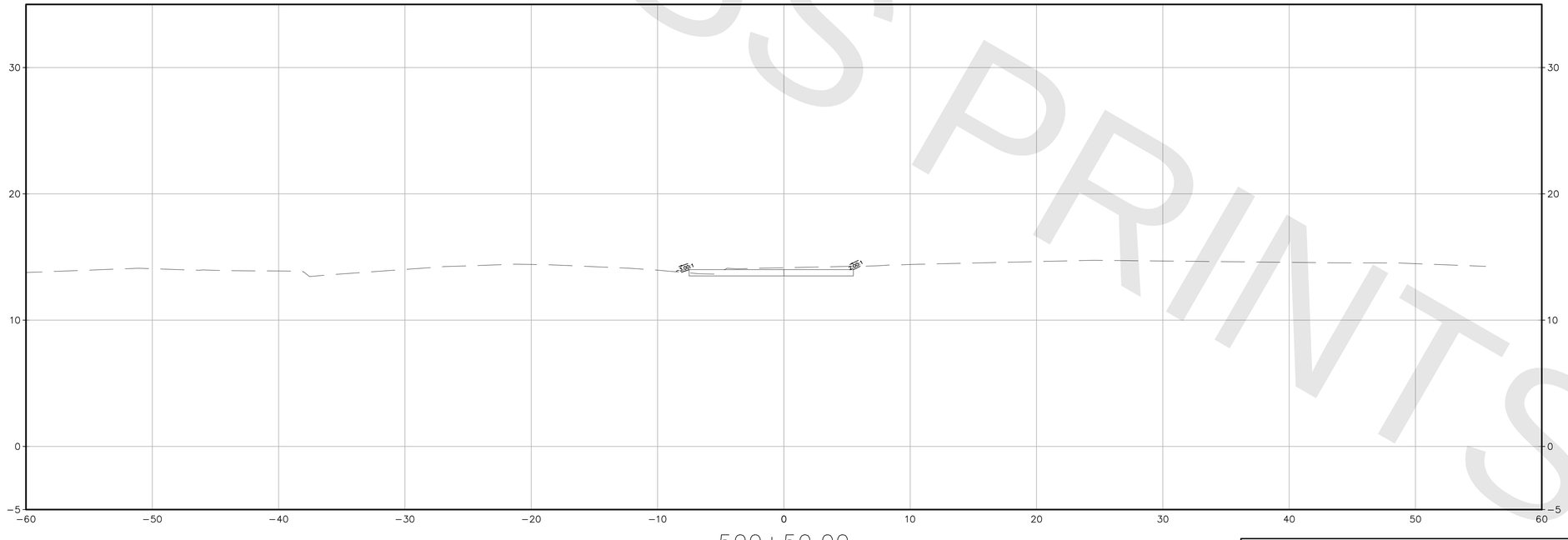

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PROGRESS PRINTS

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ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FLOODWALL CROSS SECTIONS - 1

PROJECT NO. 15-384

DRAWING NO. XSC-20

SHEET NO. **18.21**

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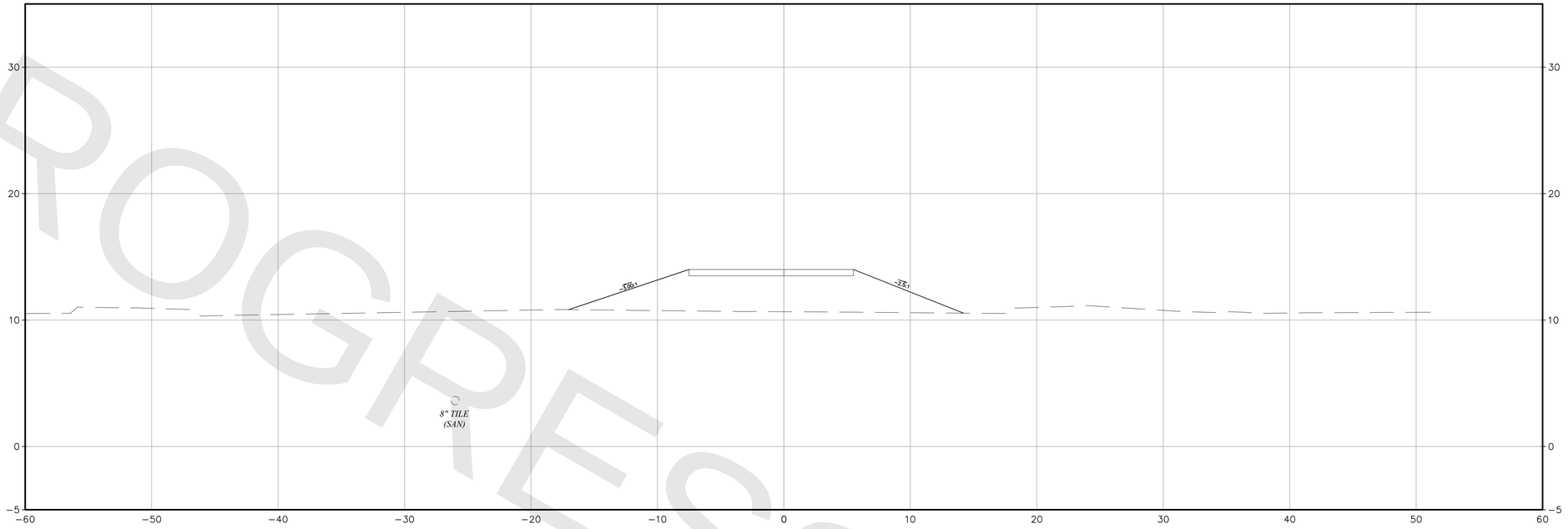

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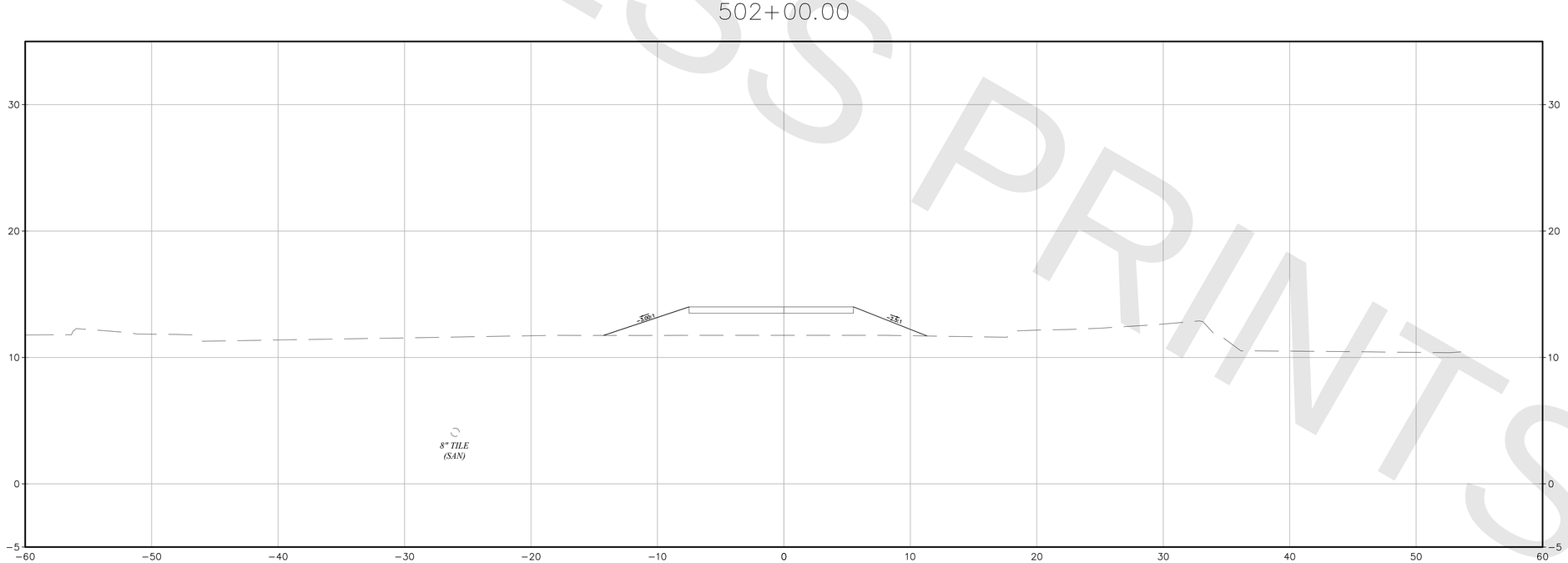

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PROGRESS PRINTS

FINAL DESIGN REVIEW

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SCALE IN FEET
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NOT TO SCALE
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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

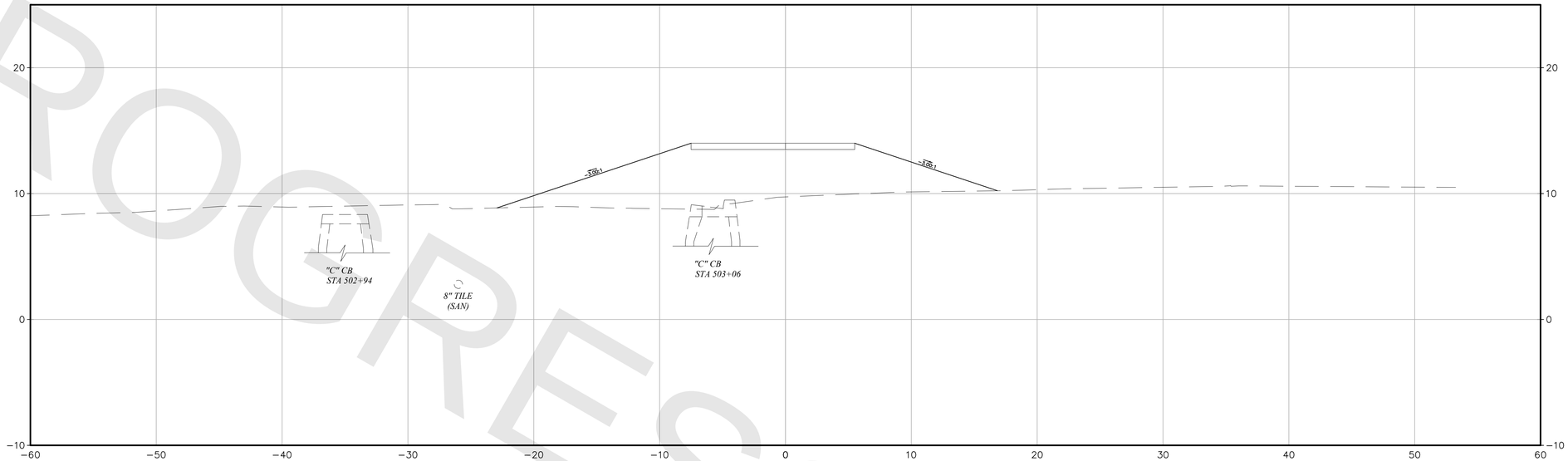
TOWN: BRIDGEPORT

DRAWING TITLE: FLOODWALL CROSS SECTIONS - 2

PROJECT NO. 15-384

DRAWING NO. XSC-21

SHEET NO. **18.22**



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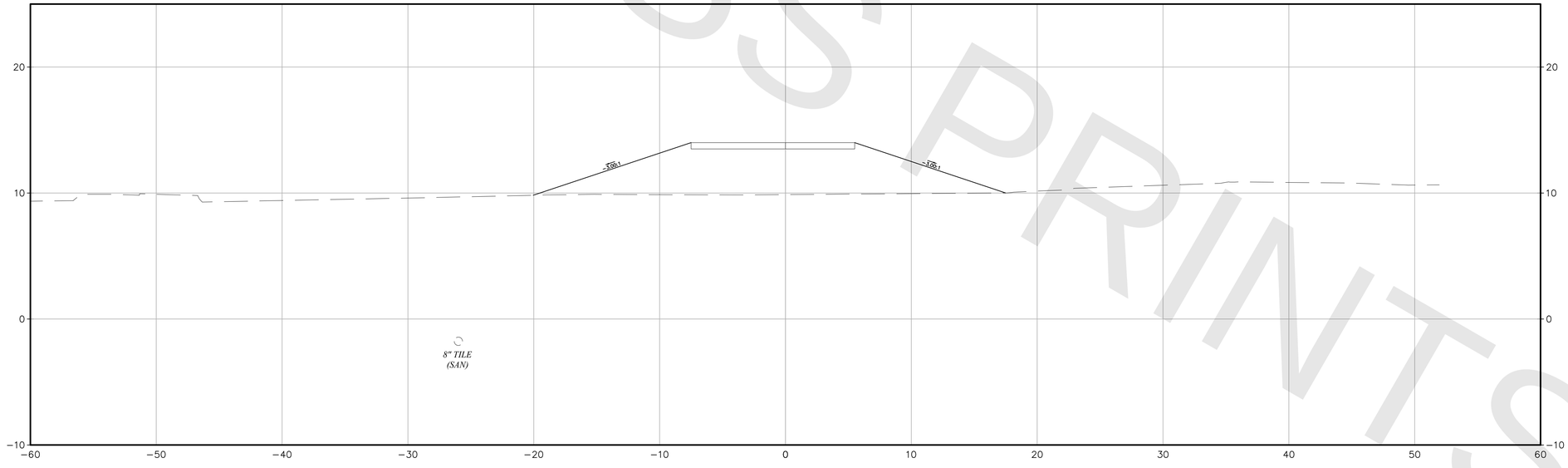

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PROGRESS PRINTS

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FLOODWALL CROSS SECTIONS - 3

PROJECT NO. 15-384

DRAWING NO. XSC-22

SHEET NO. **18.23**

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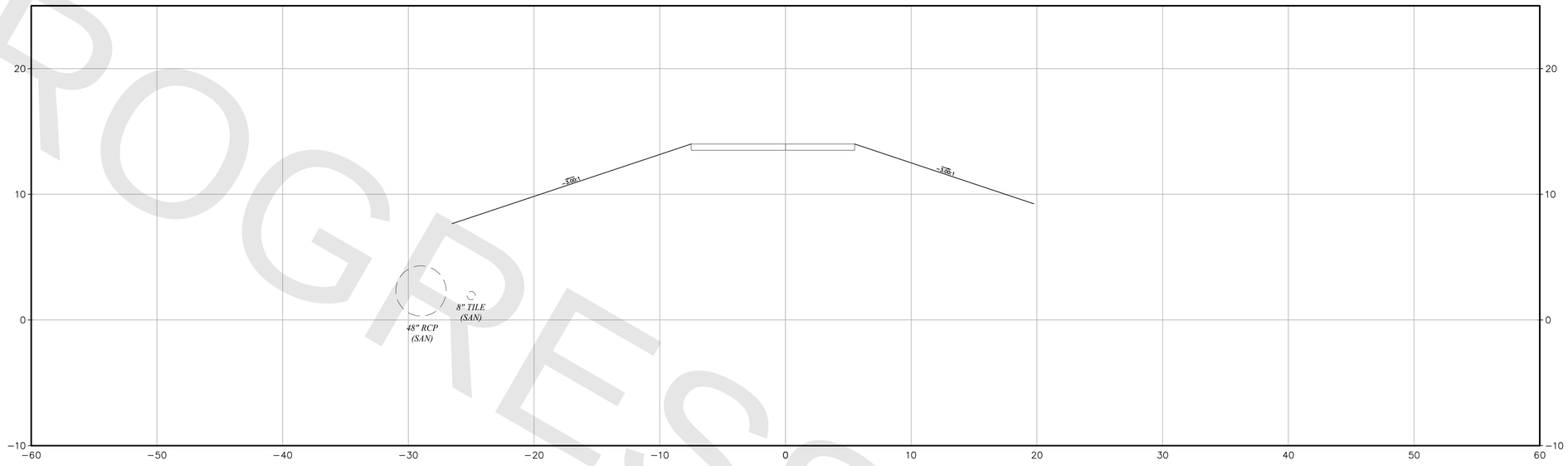

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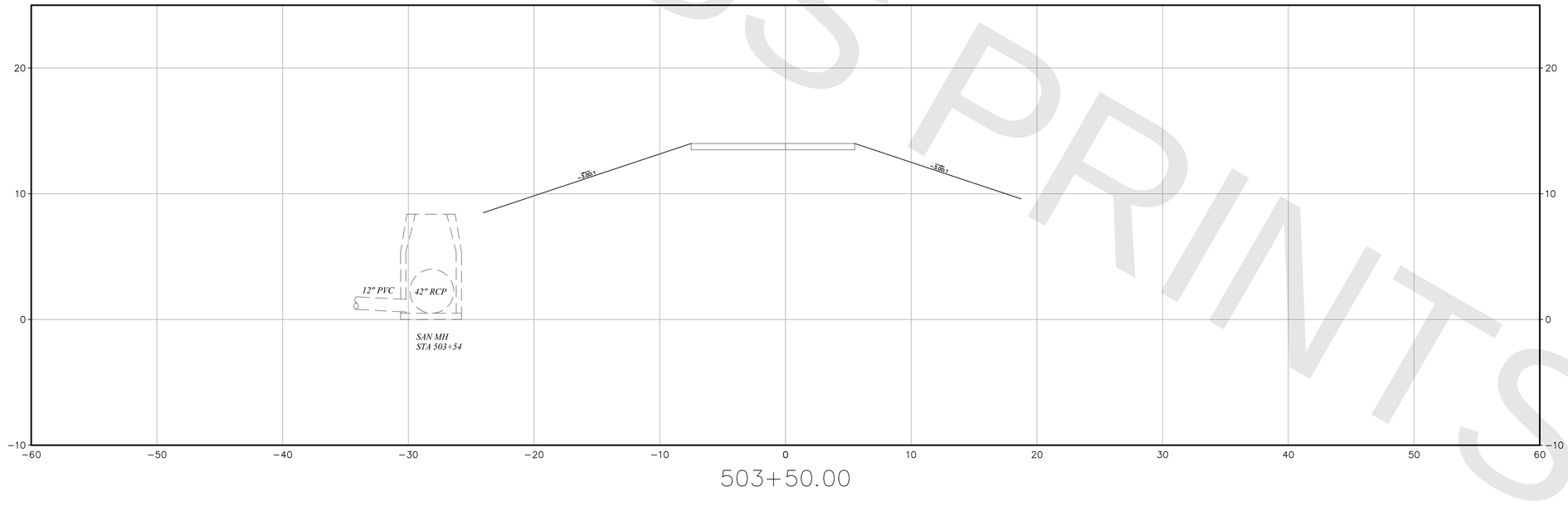

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PROGRESS PRINTS

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0 NOT TO SCALE 10
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TOWN: BRIDGEPORT

DRAWING TITLE: FLOODWALL CROSS SECTIONS - 4

PROJECT NO. 15-384

DRAWING NO. XSC-23

SHEET NO. **18.24**

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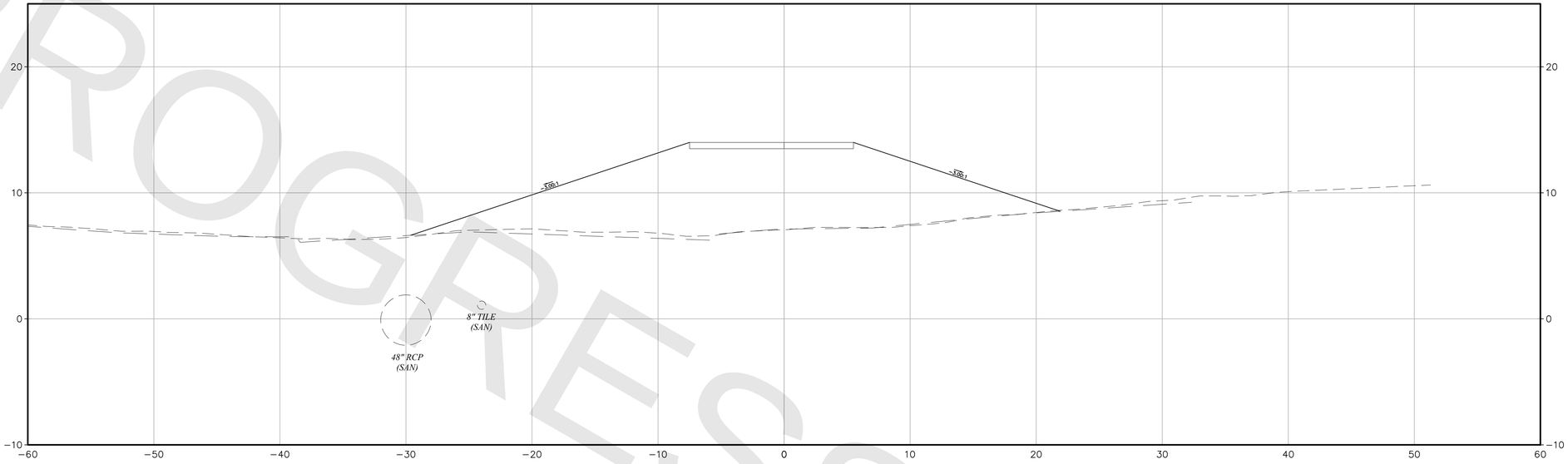
PROGRESS PRINTS



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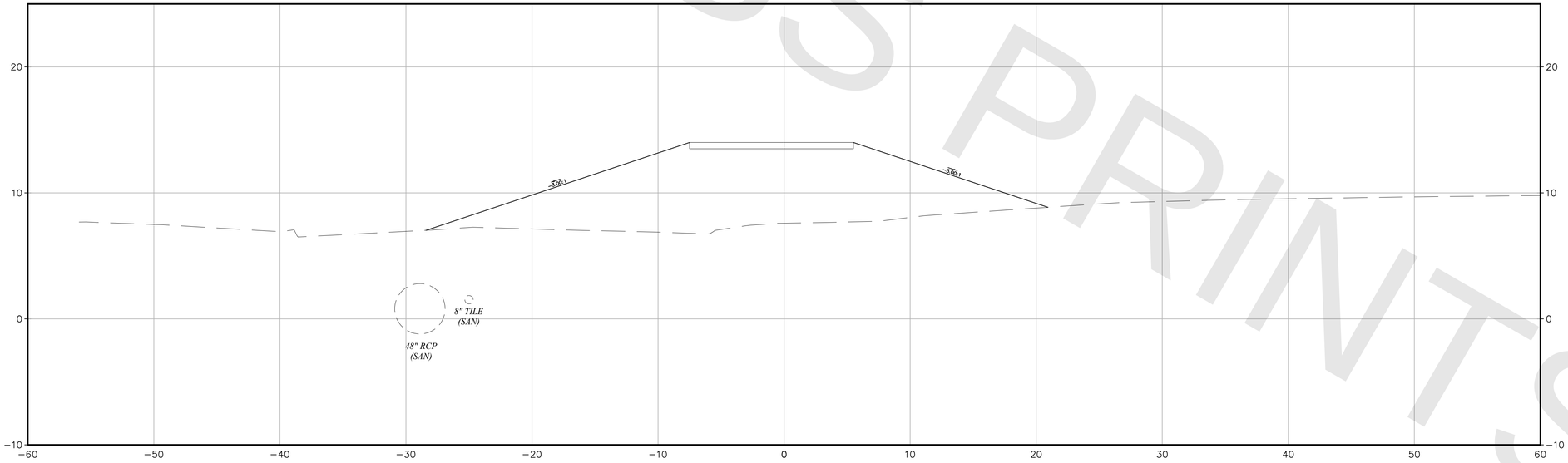

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FINAL DESIGN REVIEW

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FLOODWALL CROSS SECTIONS - 5

PROJECT NO. 15-384

DRAWING NO. XSC-24

SHEET NO. **18.25**

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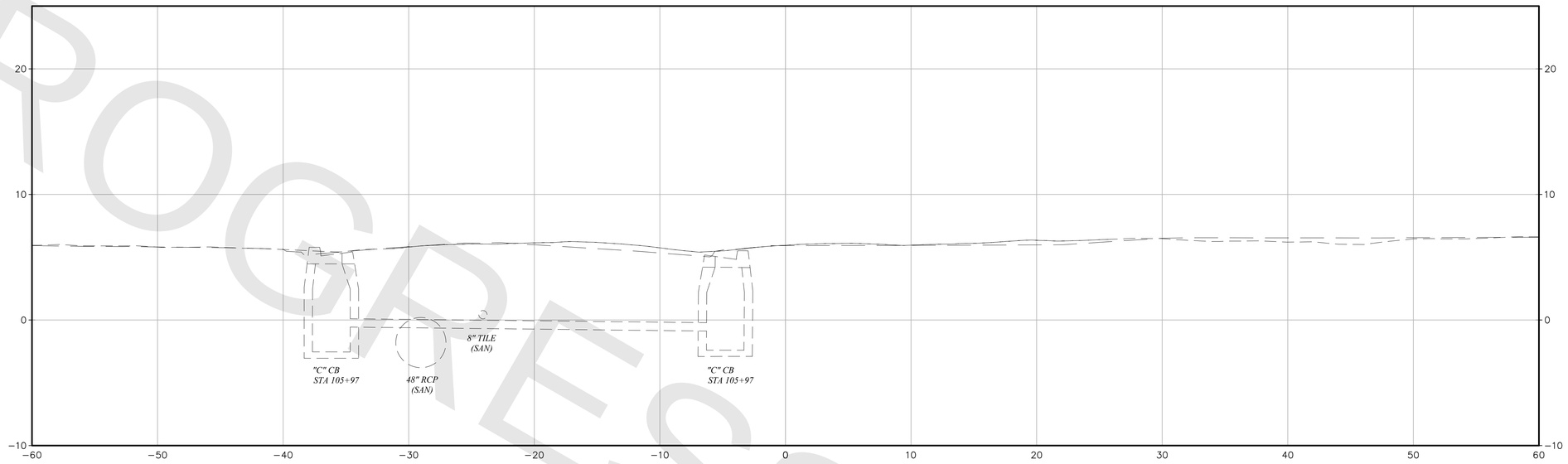

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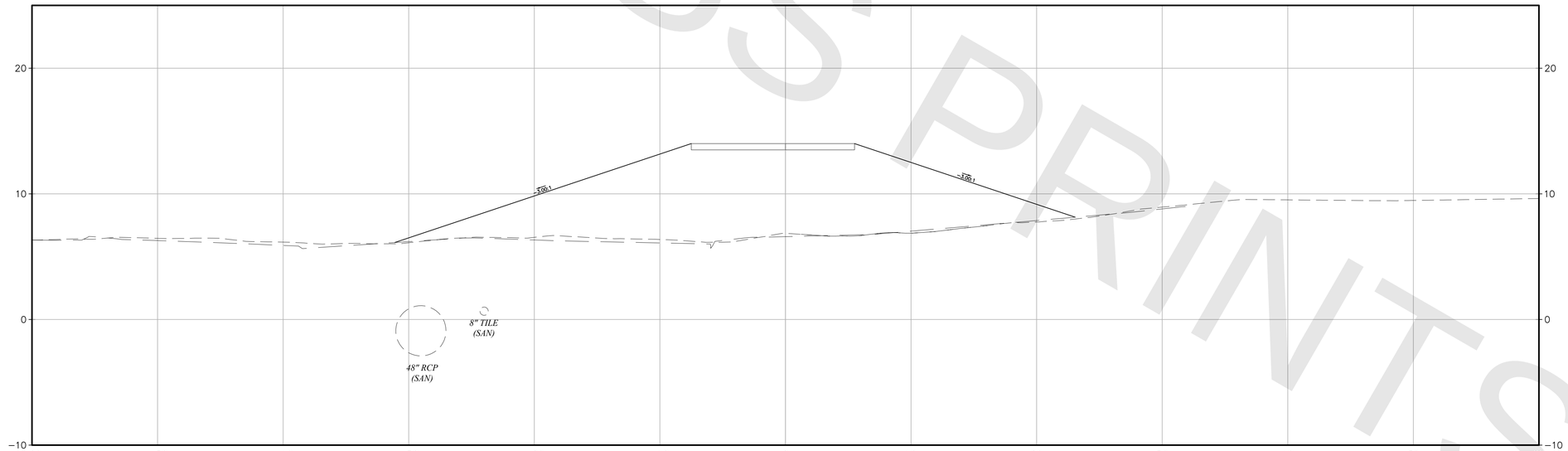

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PROGRESS PRINTS

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SCALE IN FEET
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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: FLOODWALL CROSS SECTIONS - 6

PROJECT NO. 15-384

DRAWING NO. XSC-25

SHEET NO. **18.26**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_XSEC FLOOD WALL.dwg
DATE/TIME = Jan 24, 2022 - 10:17pm

19 - STRUCTURE PLANS
INDEX OF DRAWINGS

SHEET NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING TITLE
19.01	STRUCTURE PLANS INDEX OF DRAWINGS		
19.02	BELEVEDERE PLAZA STRUCTURAL GENERAL PLAN		
19.03	WALL 101 CROSS SECTIONS		
19.04	CISTERN PLAN		
19.05	OVERHANG SLAB PLAN		
19.06	BOX CULVERT GENERAL PLAN AND SECTIONS		
19.07	BOX CULVERT ELEVATIONS		
19.08	BOX CULVERT LAYOUT PLAN		
19.09	BOX CULVERT TYPICAL DETAILS		

PROGRESS PRINTS

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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
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75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: STRUCTURE PLANS INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. STR-00

SHEET NO. **19.01**

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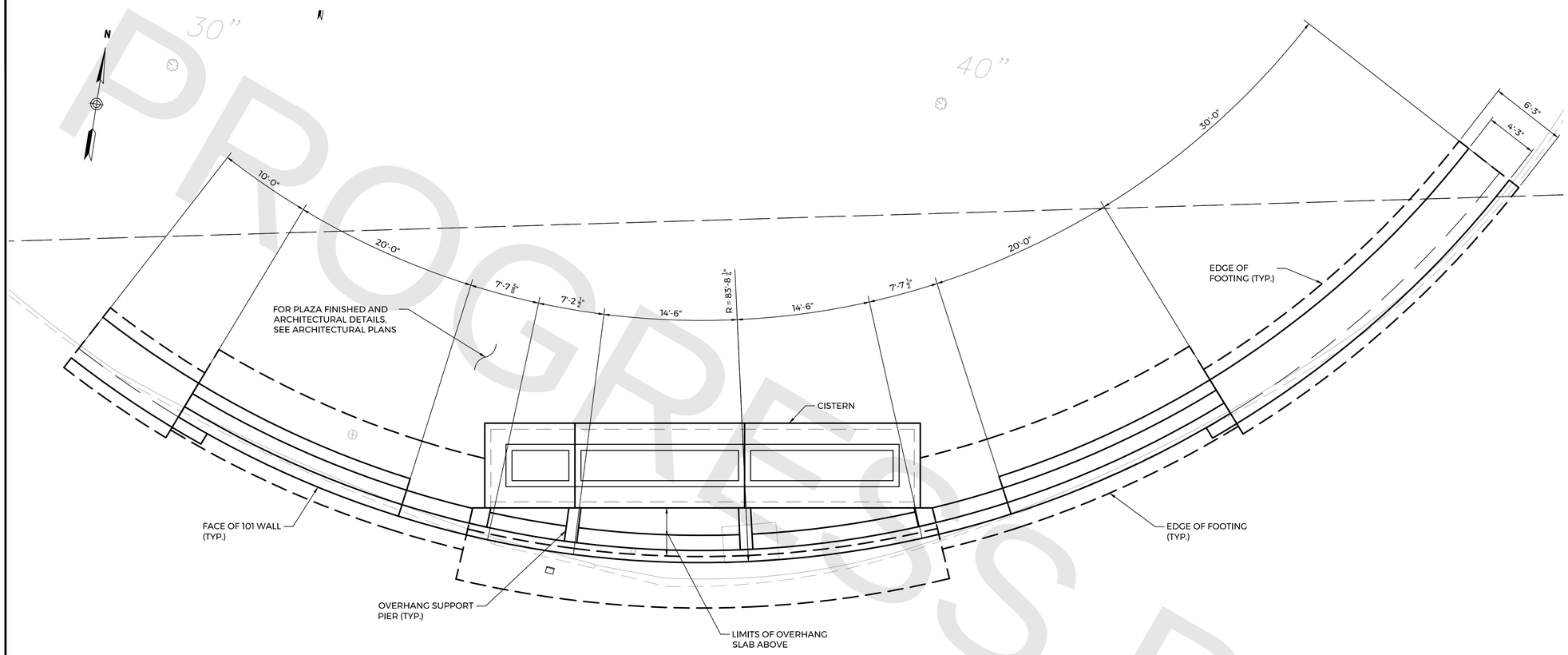
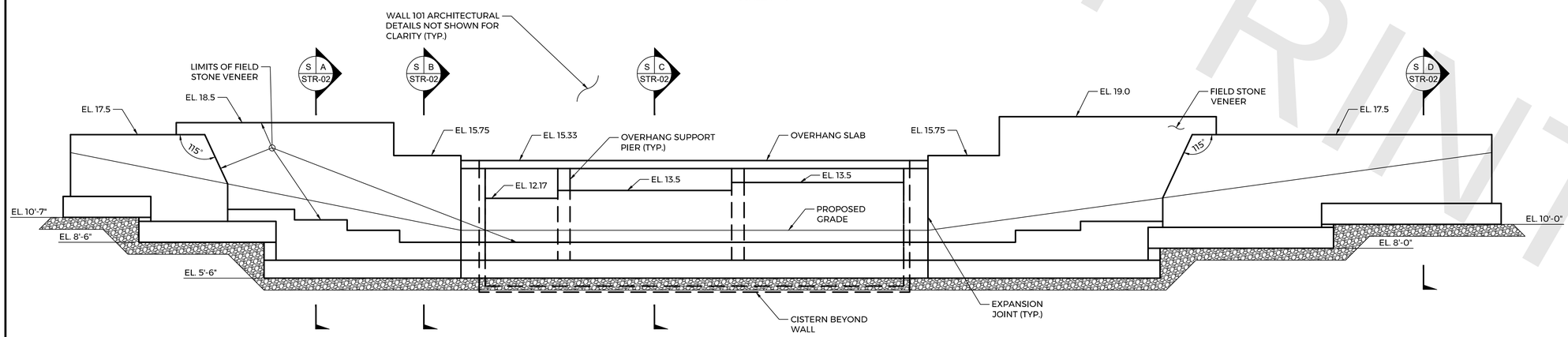


PLAZA PLAN

SCALE: 1" = 5'



PLAZA ELEVATION

SCALE: 1" = 5'

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 818 (2020) SUPPLEMENTAL SPECIFICATION DATED (07/21) AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9th EDITION - 2020), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003) WITH 12/19 REVISIONS.
ASCE 7 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND STRUCTURES.

MATERIAL STRENGTHS:
CONCRETE:
CLASS PCC 03340.....f'c = 3,000 PSI
CLASS PCC 04462.....f'c = 4,000 PSI

THE CONCRETE STRNGTH, f'c, USED IN DESIGN OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF 6.01 - CONCRETE FOR STRUCTURES, AND M.03 - PORTLAND CEMENT CONCRETE.

REINFORCEMENT:
(ASTM A615 GRADE 60).....fy = 60,000 PSI

LIVE LOAD: HL-93, LEGAL AND PERMIT VEHICLES

DIMENSIONS: WHEN DECIMAL DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

REMAIN-IN-PLACE FORMS: THE USE OF REMAIN-IN-PLACE ON THIS STRUCTURE IS NOT ALLOWED.

THE FOLLOWING PAY ITEMS AND CONCRETE CLASSES ARE REQUIRED FOR CAST-IN-PLACE BRIDGE COMPONENTS:

ITEM	BRIDGE COMPONENTS	PCC CLASS
FOOTING CONCRETE	ABUTMENT AND WINGWALL FOOTINGS	PCC03340
ABUTMENT AND WALL CONCRETE	ABUTMENT AND WINGWALL STEMS, CONCRETE BEARING PEDESTALS, KEEPER BLOCKS, CHECKWALLS	PCC03340

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1"x1" UNLESS DIMENSIONED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE GALVANIZED AFTER FABRICATION UNLESS NOTED OTHERWISE. ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A767, CLASS 1, INCLUDING SUPPLEMENTAL REQUIREMENTS. THE COST OF FURNISHING AND PLACING THE REINFORCEMENT SHALL BE INCLUDED IN THE ITEM "DEFORMED STEEL BARS - GALVANIZED."

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: GTG/JJM
CHECKED BY: TRL
SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: BELVEDERE PLAZA STRUCTURAL GENERAL PLAN

PROJECT NO. 15-384
DRAWING NO. STR-01
SHEET NO. **19.02**

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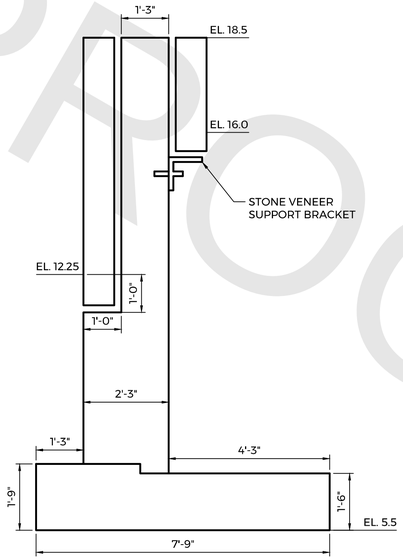
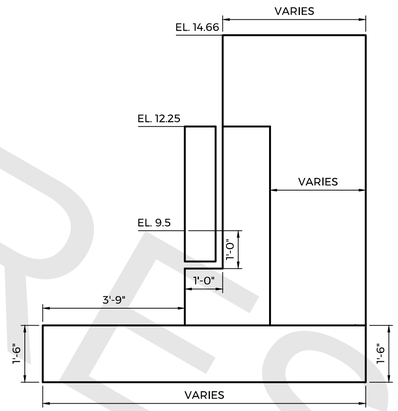


SECTION S|A STR-01
SCALE: 1" = 2'-0"



SECTION S|C STR-01
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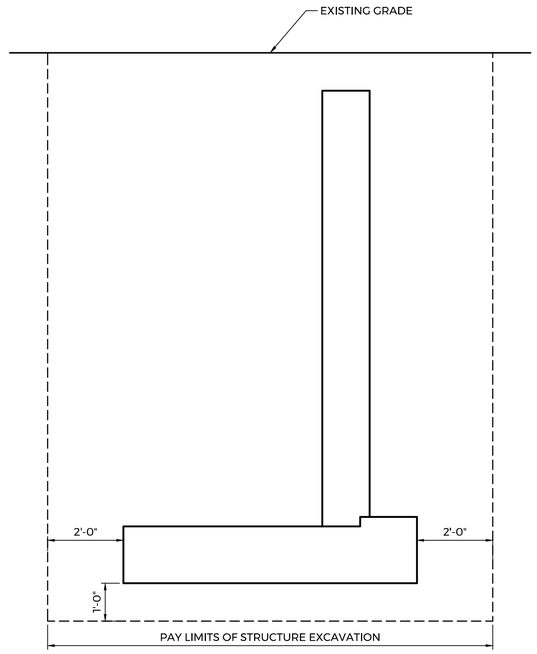
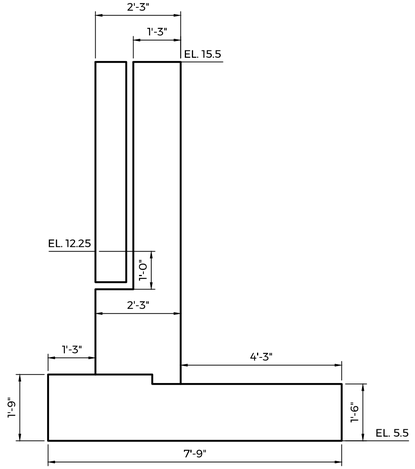


STRUCTURE EXCAVATION DETAIL
NOT TO SCALE



SECTION S|B STR-01
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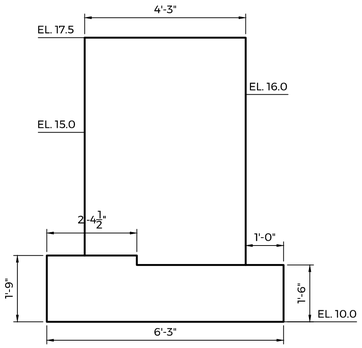

SECTION S|D STR-01
SCALE: 1" = 2'-0"

NOTES:

1. FOR WALL LAYOUT AND ELEVATIONS, SEE DWG. STR-01.

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
CHECKED BY:
SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: WALL 101 CROSS SECTIONS

PROJECT NO. 15-384
DRAWING NO. STR-02
SHEET NO. **19.03**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_STR.dwg
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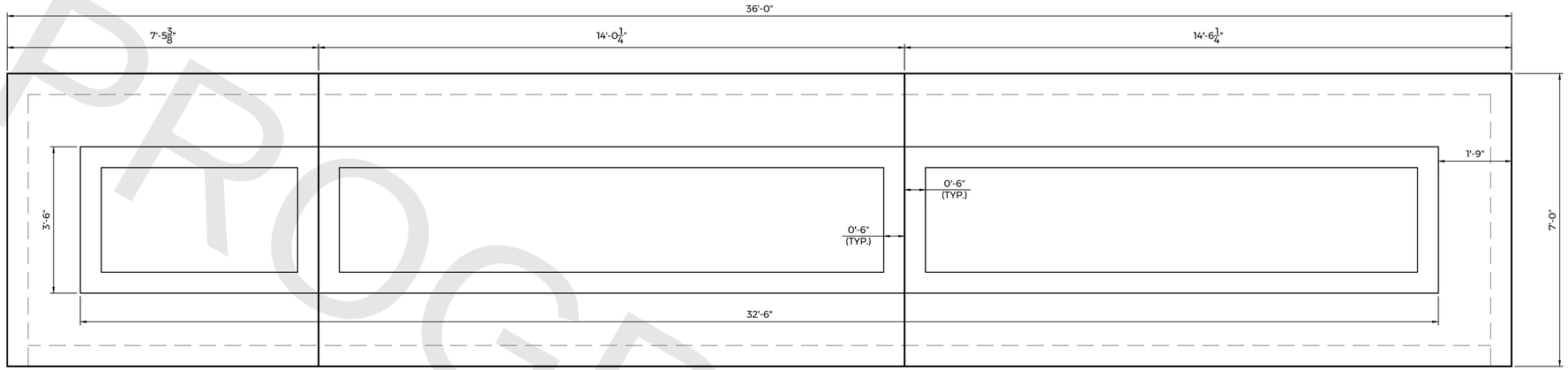
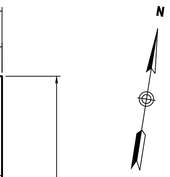
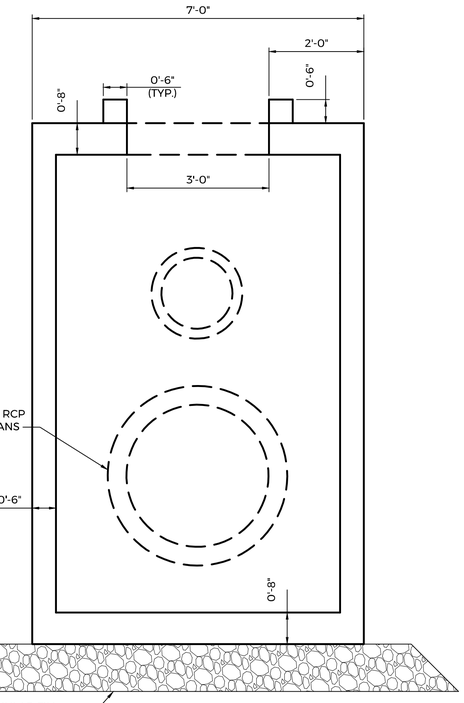


PLAN

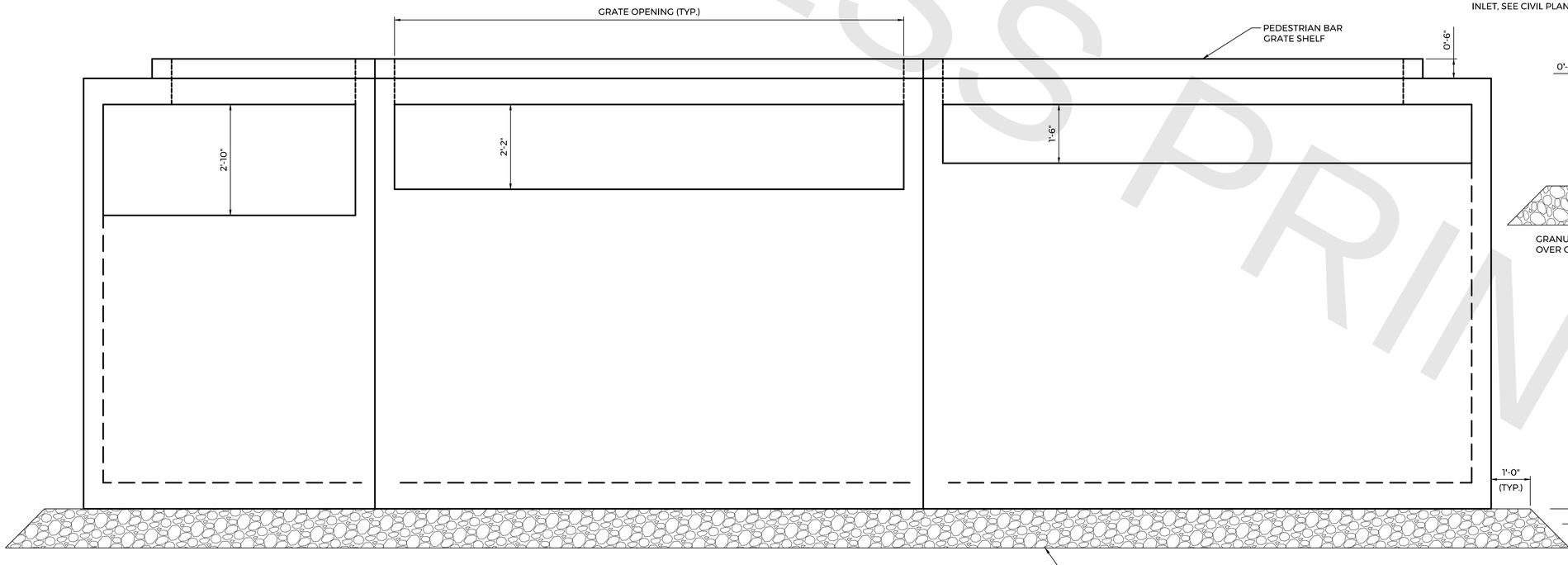
SCALE: 3/8" = 1'-0"





TYPICAL SECTION

SCALE: 3/8" = 1'-0"



ELEVATION

SCALE: 3/8" = 1'-0"

NOTES:

1. FOR MATERIAL AND SURFACE TREATMENT REQUIREMENTS OF PRECAST CISTERN, SEE SPECIAL PROVISION "PRECAST CONCRETE CISTERN".
2. FOR GENERAL NOTES, SEE DWG. NO. STR-01.
3. THE CONTRACT MAY ELECT TO PRECAST THE PEDESTRIAN BAR GRATE SHELF WITH THE CISTERN STRUCTURE, OR TO CAST IN PLACE IN FIELD. CONTRACTOR SHALL PROVIDE PROPOSED CONSTRUCTION METHOD FOR REVIEW PRIOR TO START OF CONSTRUCTION.

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: GTG/JJM

CHECKED BY: TRL

SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: CISTERN PLAN

PROJECT NO. 15-384

DRAWING NO. STR-03

SHEET NO. **19.04**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_STR.dwg
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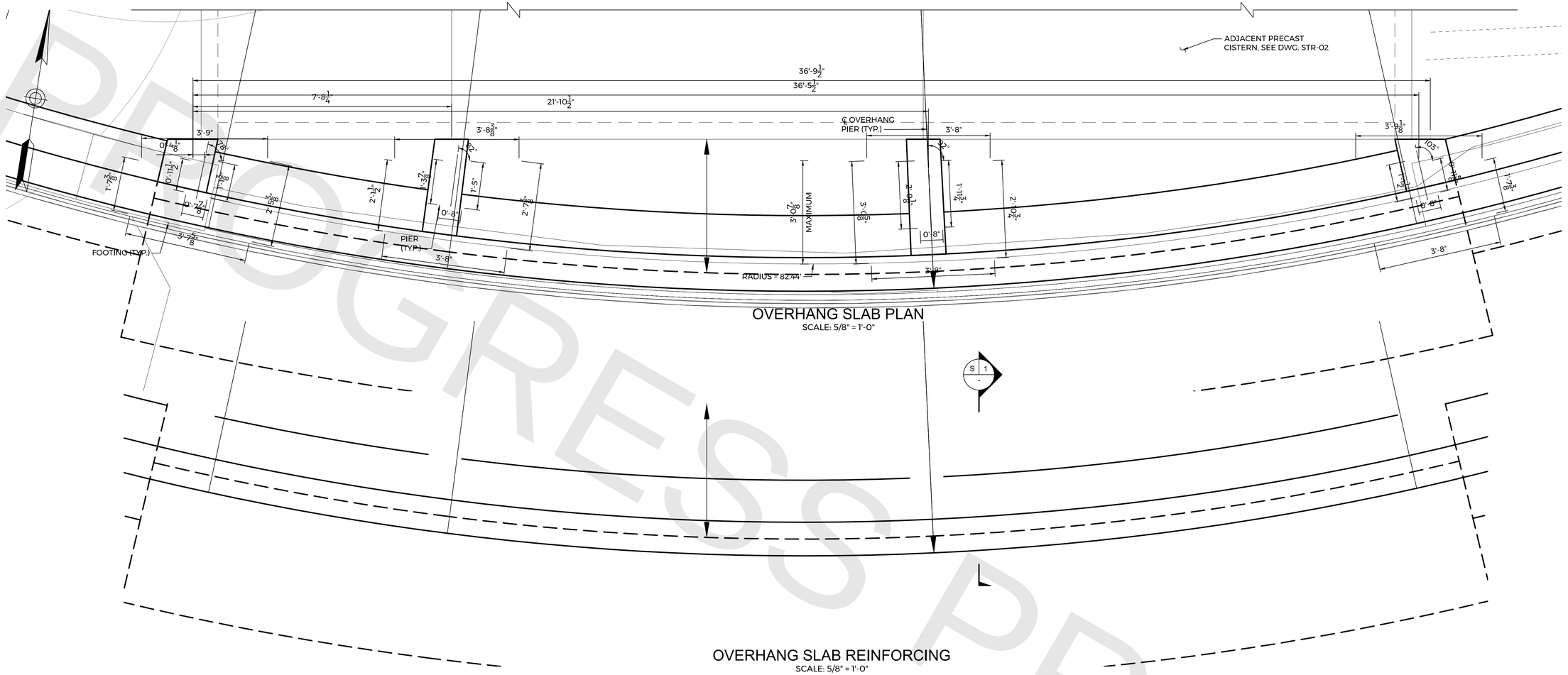
PROGRESS PRINTS



PROGRESS PRINTS

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_STR.dwg
DATE/TIME = Jan 21, 2022 - 8:13pm

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: GTG/JJM
CHECKED BY: TRL
SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

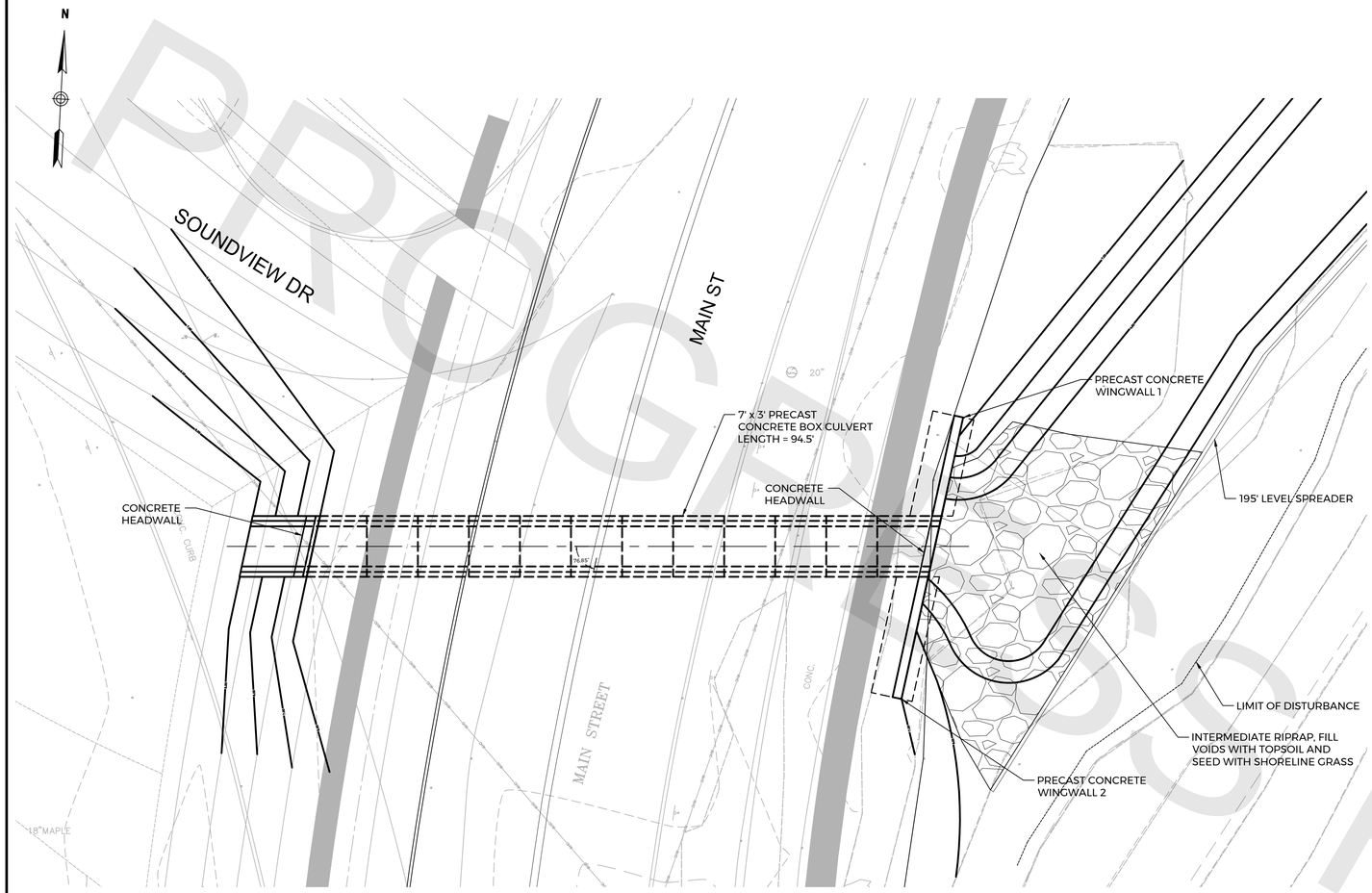
FINAL DESIGN REVIEW

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: OVERHANG SLAB PLAN

PROJECT NO. 15-384
DRAWING NO. STR-03
SHEET NO. **19.05**



GENERAL PLAN

SCALE: 1" = 10'

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 818 (2020) SUPPLEMENTAL SPECIFICATION DATED (07/21) AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9th EDITION - 2020), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003) WITH 12/19 REVISIONS.

MATERIAL STRENGTHS:
CONCRETE:
CLASS PCC 03340.....f'c = 3,000 PSI
CLASS PCC 04462.....f'c = 4,000 PSI

THE CONCRETE STRNGTH, f'c, USED IN DESIGN OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF 6.01 - CONCRETE FOR STRUCTURES, AND M.03 - PORTLAND CEMENT CONCRETE.

REINFORCEMENT:
(ASTM A615 GRADE 60).....fy = 60,000 PSI

LIVE LOAD: HL-93, LEGAL AND PERMIT VEHICLES

FUTURE PAVING ALLOWANCE: NONE

BITUMINOUS CONCRETE OVERLAY: XXXXXX

FOUNDATION PRESSURES: THE VARIOUS GROUP LOADINGS NOTED ON THE SUBSTRUCTURE PLAN SHEETS REFER TO THE GROUP LOADS AS GIVEN IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

DIMENSIONS: WHEN DECIMAL DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL DESIGN DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THE ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR REVIEW, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

UTILITIES: THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE PROJECT LIMITS AND SHALL BE PROTECTED DURING CONSTRUCTION: (XXXXXXXX). THE CONTRACTOR SHALL COORDINATE ALL WORK RELATED TO UTILITY RELOCATION WITH THE RESPECTIVE UTILITY COMPANIES.

MASH TEST LEVEL: THE (XXX) MEETS THE TL-(LEVEL) CRITERIA FOR MASH 2016.

REMAIN-IN-PLACE FORMS: THE USE OF REMAIN-IN-PLACE ON THIS STRUCTURE IS NOT ALLOWED.

THE FOLLOWING PAY ITEMS AND CONCRETE CLASSES ARE REQUIRED FOR CAST-IN-PLACE BRIDGE COMPONENTS:

ITEM	BRIDGE COMPONENTS	PCC CLASS
FOOTING CONCRETE	ABUTMENT AND WINGWALL FOOTINGS	PCC03340
ABUTMENT AND WALL CONCRETE	ABUTMENT AND WINGWALL STEMS, CONCRETE BEARING PEDESTALS, KEEPER BLOCKS, CHECKWALLS	PCC03340
PARAPET CONCRETE	BRIDGE PARAPET	PCC04462

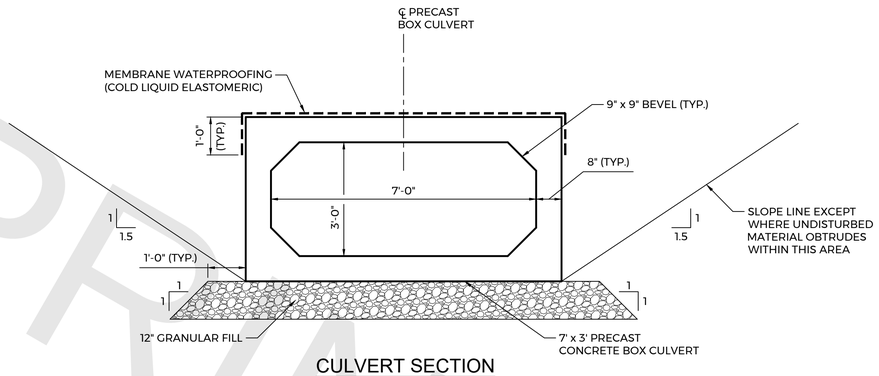
EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1"x1" UNLESS DIMENSIONED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE GALVANIZED AFTER FABRICATION UNLESS NOTED OTHERWISE. ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A767, CLASS 1, INCLUDING SUPPLEMENTAL REQUIREMENTS. THE COST OF FURNISHING AND PLACING THE REINFORCEMENT SHALL BE INCLUDED IN THE ITEM "DEFORMED STEEL BARS - GALVANIZED."

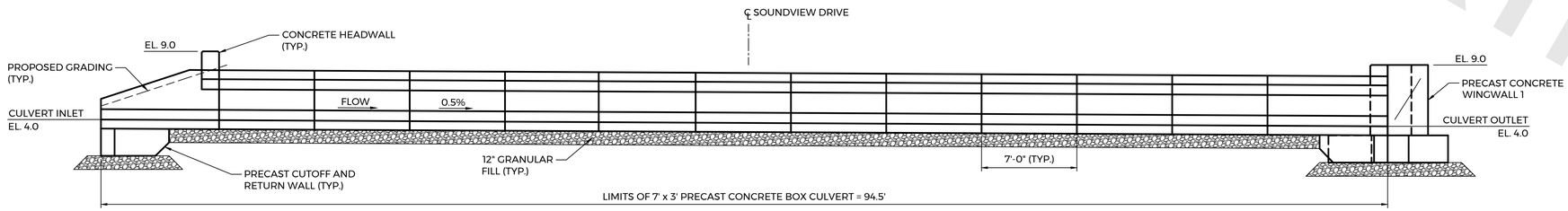
PREFORMED EXPANSION JOINT FILLER: THE COST OF FURNISHING AND INSTALLING PREFORMED EXPANSION JOINT FILLER IS PAID FOR AS ½" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES".

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.



CULVERT SECTION

SCALE: 1" = 2'-0"



LONGITUDINAL SECTION

SCALE: 1" = 5'

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: PR/MD
CHECKED BY: GG
SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BOX CULVERT GENERAL PLAN AND SECTIONS

PROJECT NO. 15-384
DRAWING NO. STR-01
SHEET NO. **19.06**

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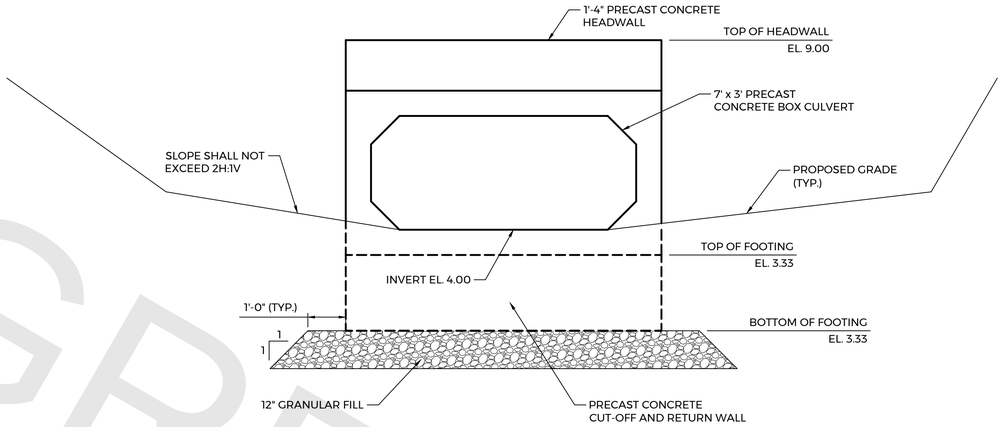
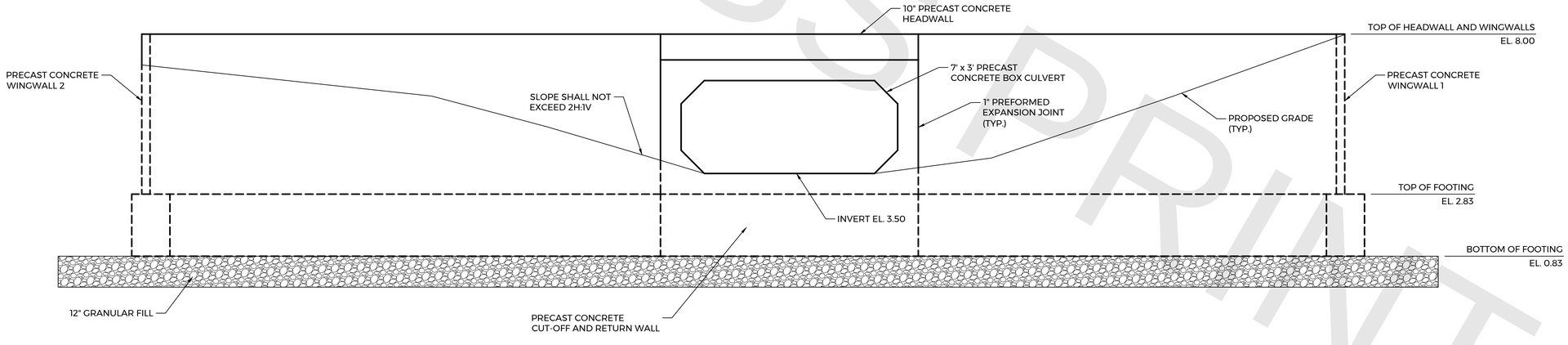


INLET ELEVATION

SCALE: 1" = 2'-0"



OUTLET ELEVATION

SCALE: 1" = 2'-0"

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: PR/MD

CHECKED BY: GG

SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BOX CULVERT ELEVATIONS

PROJECT NO. 15-384

DRAWING NO. STR-02

SHEET NO. **19.07**

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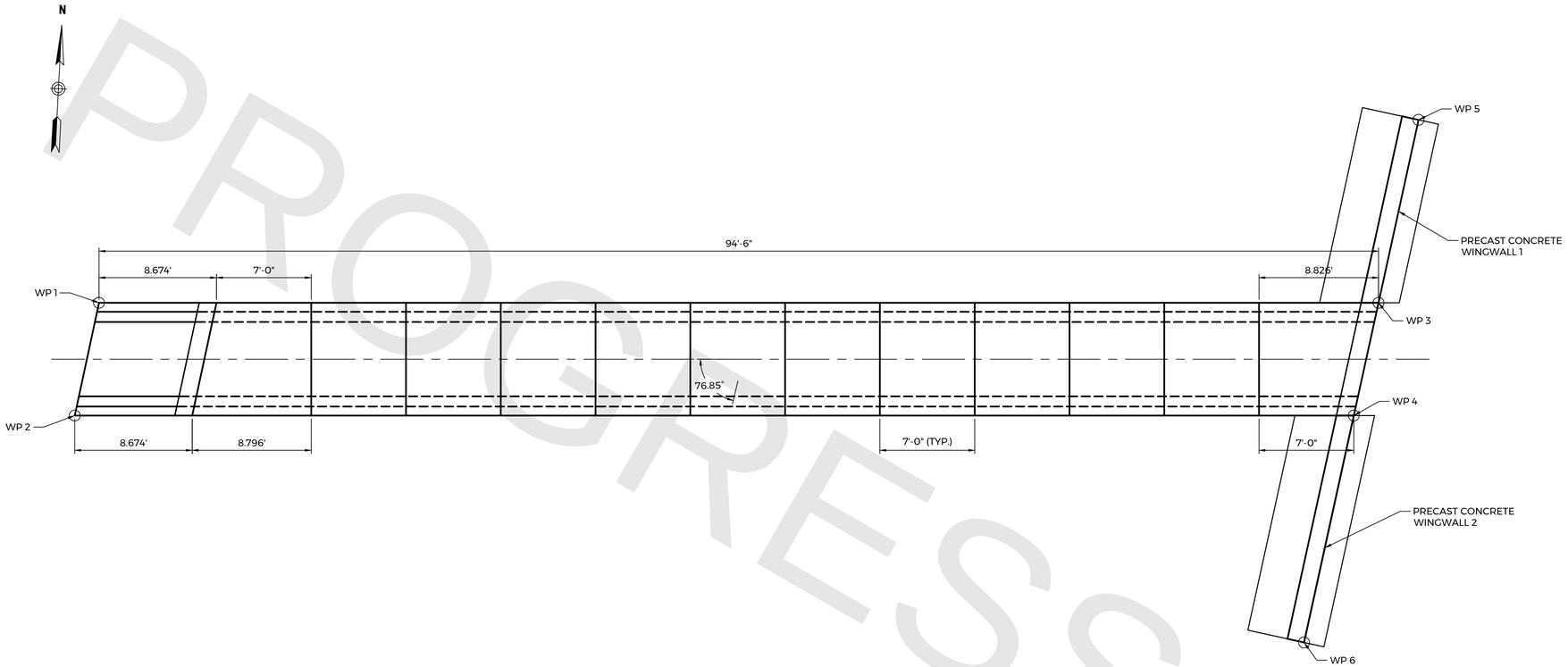

LAYOUT PLAN

SCALE: 1" = 10'

WORKING POINTS COORDINATES			
WORKING POINT	NORTHING	EASTING	LOCATION
WP 1	620973.9293	880194.2486	OUTSIDE OF BOX CULVERT AT INLET, NORTHWEST CORNER
WP 2	620965.5149	880192.8810	OUTSIDE OF BOX CULVERT AT INLET, SOUTHWEST CORNER
WP 3	620978.7658	880288.6247	OUTSIDE OF BOX CULVERT AT OUTLET, NORTHEAST CORNER
WP 4	620970.3499	880287.2275	OUTSIDE OF BOX CULVERT AT OUTLET, SOUTHEAST CORNER
WP 5	620992.4123	880290.8902	WINGWALL 1 NORTHEAST CORNER
WP 6	620953.4150	880284.4161	WINGWALL 2 SOUTHEAST CORNER

PROFILE

VERTICAL SCALE:
HORIZONTAL SCALE:

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: PR/MD

CHECKED BY: GG

SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BOX CULVERT LAYOUT PLAN

PROJECT NO. 15-384

DRAWING NO. STR-03

SHEET NO. **19.08**

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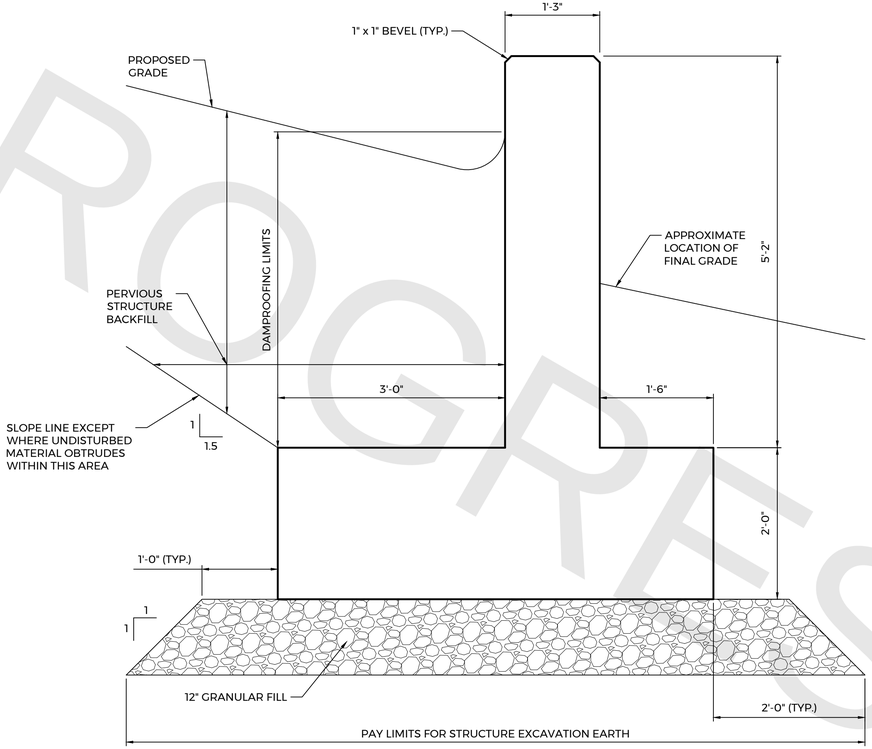
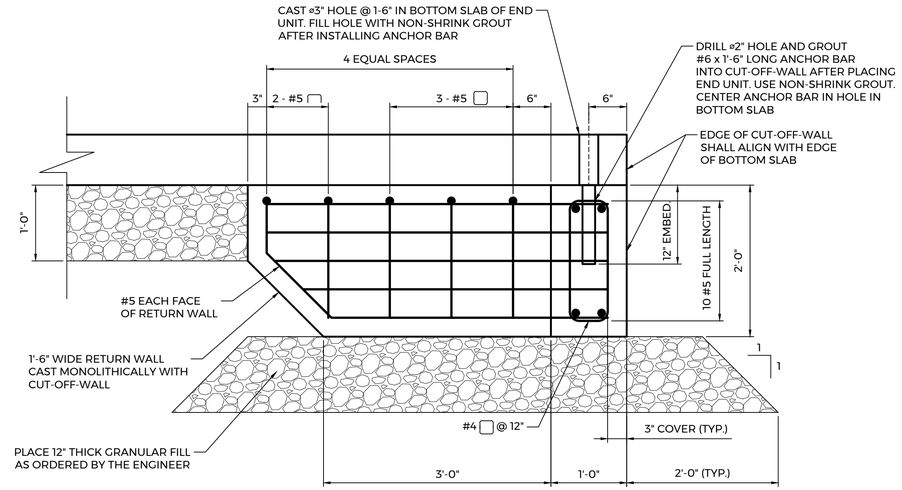


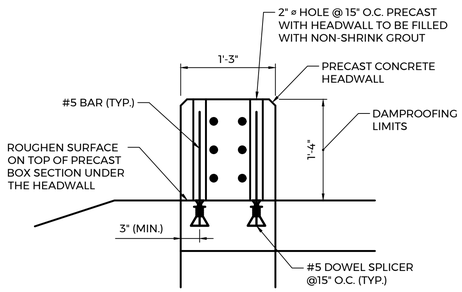
TYPICAL WINGWALL SECTION

SCALE: 1" = 1'-0"



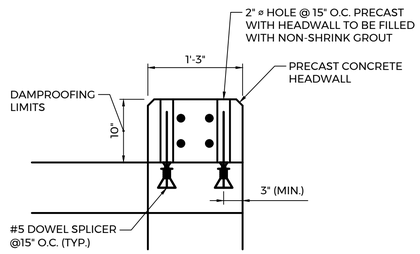
PRECAST CUTOFF WALL AND RETURN WALL DETAIL

SCALE: 1" = 1'-0"



HEADWALL DETAIL - INLET

SCALE: 1" = 1'-0"



HEADWALL DETAIL - OUTLET

SCALE: 1" = 1'-0"

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: PR/MD

CHECKED BY: GG

SCALE AS NOTED

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BOX CULVERT TYPICAL DETAILS

PROJECT NO. 15-384

DRAWING NO. STR-04

SHEET NO. **19.09**

FILE NAME = T:\52829-DOH-NDR\Autocad\Sheets\52829_CULVERT.dwg
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20 - PUMP STATION PLANS
INDEX OF DRAWINGS

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20.02	SYMBOLS, LEGENDS, AND ABBREVIATIONS	20.37	WET WELL FLOOR PLAN
20.03	BRIDGEPORT STORMWATER PUMP STATION P&ID	20.38	OPERATING LEVEL FLOOR PLAN
20.04	GENERAL NOTES AND ABBREVIATIONS	20.39	SCHEDULES
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20.19	TYPICAL DETAILS - I		
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PROOFPRINTS

FINAL DESIGN REVIEW

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REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:

CHECKED BY:

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

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FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE:
PUMP STATION PLANS INDEX OF DRAWINGS

PROJECT NO. 15-384

DRAWING NO. I-00

SHEET NO.

INSTRUMENT IDENTIFICATION LEGEND

	FIRST LETTER		SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE,	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS		ALARM		
B	BURNER FLAME		NOT USED	NOT USED	NOT USED
C	CONDUCTIVITY (ELECTRICAL)			CONTROL	CLOSED
D	DENSITY (MASS) OR SPECIFIC GRAVITY	DIFFERENTIAL			
E	VOLTAGE (EMF)		PRIMARY ELEMENT		
F	FLOW RATE	RATIO (FRACTION)			
G	INTRUSION		GLASS GAGE (UNCALIBRATED)		
H	HAND (MANUALLY INITIATED)				HIGH
I	CURRENT (ELECTRICAL)		INDICATE		
J	POWER	SCAN			
K	TIME OR TIME SCHEDULE			CONTROL STATION	
L	LEVEL		LIGHT (PILOT)		LOW
M	MOISTURE OR HUMIDITY				MIDDLE OR INTER-MEDIATE
N	SEQUENCE, STRATEGY		NOT USED	NOT USED	NOT USED
O	NOT USED		ORIFICE (RESTRICTION)		OPEN
P	PRESSURE OR VACUUM		POINT (TEST CONNECTION)	PULSE	
Q	QUANTITY	INTEGRATE OR TOTALIZE			
R	RADIOACTIVITY		RECORD OR PRINT		
S	SPEED, FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION			VALVE, DAMPER OR LOUVER	
W	WEIGHT OR FORCE		WELL		
X	UNCLASSIFIED	X AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT STATUS	Y AXIS		RELAY OR COMPUTE	
Z	POSITION			DRIVE, ACTUATE OR UNCLASSIFIED FINAL CONTROL ELEMENT	

BASE INSTRUMENTATION SYMBOLS

(FIT #) INSTRUMENT FIELD MOUNTED
SEE THIS SHEET FOR DETAILS OF INSTRUMENT TAGGING SYSTEM.
FULL TAG NUMBER SHOULD BE INCLUDED ON INSTRUMENT INDEX. POWER SUPPLY REQUIRED LOCALLY WHERE SHOWN.

(FIR #) INSTRUMENT PANEL FACE MOUNTED

(FY # X Y) INSTRUMENT RELAY MOUNTED IN REAR OF PANEL (BROKEN LINE). ACTIVATES AND DEACTIVATES CONTROL AND/OR ALARM SWITCHES AT PRESET VALUE. EQUIPMENT NUMBER (Y) ONLY WHEN NECESSARY. SEE BELOW FOR FUNCTIONS (X).

- △ DIFFERENCE
- > HIGH SELECTOR
- < LOW SELECTOR
- P/I PNEUMATIC/CURRENT CONVERTER
- I/I CURRENT/CURRENT CONVERTER (REPEATER)
- Σ SUMMATION
- AV AVERAGE
- % RATIO

(FR # AR # DO) FR & AR ARE TWO FUNCTIONS AS PART OF ONE UNIIT. (CIRCLES TOUCH)

SYMBOLS FOR ANALYTICAL DEVICES:
- CH_4–METHANE
- Cl_2–CHLORINE
- DO–DISSOLVED OXYGEN
- H_2S–HYDROGEN SULFIDE
- H_3PO_4 –PHOSPHORIC ACID
- H_2SO_4 –SULFURIC ACID
- MeOH–METHANOL
- NaHOCL–SODIUM HYPOCHLORITE
- $Na_2S_2O_5$ –SODIUM METHA–BISULFITE
- O_2–OXYGEN
- ORP –OXYDATION REDUCTION POTENTIAL
- pH–HYDROGEN ION CONCENTRATION

△▽ DISCRETE INPUT/OUTPUT

▲▼ ANALOG INPUT/OUTPUT

▲▽ DIGITAL COMMUNICATION INPUT/OUTPUT–ETHERNET (E), MODBUS (M), HART (H) OR DEVICENET (D)

120V 120V AC POWER SUPPLY

480V 480V AC POWER SUPPLY

24V 24V DC POWER SUPPLY

PROGRAMMABLE LOGIC CONTROLLER (PLC) CONTROL BLOCK

(## ##) POINT FOR SHARED VIDEO DISPLAY (FUNCTIONS IN PLC)

(## #) AS ABOVE WITH LIMITED ACCESS

(#) INTERLOCK
– INTERLOCK CONTROL STRATEGY

(FE #) MAGMETER

(PI XXXX) (PSH XXXX) PRESSURE SENSOR ASSEMBLY WITH GAUGE AND SWITCH

(LE #) ULTRASONIC OR RADAR ELEMENT

(LT #) SUBMERSIBLE PRESSURE TRANSDUCER

INSTRUMENT TAGGING SYSTEM

PS–LIT–950X–01

- FACILITY CODE
- INSTRUMENT IDENTIFICATION
- LOOP NUMBER
- UNIQUE IDENTIFIER

EQUIPMENT IDENTIFICATION

P–XXXX–01

- EQUIPMENT DESIGNATION
- LOOP NUMBER
- UNIQUE IDENTIFIER

EQUIPMENT DESIGNATIONS

G	GENERATOR
M	MOTOR
MXR	MIXER
P	PUMP
SSP	SUBMERSIBLE SUMP PUMP
VFD	VARIABLE FREQUENCY DRIVE
SG	SLIDE GATE
GR	GRINDER

EQUIPMENT SYMBOLS

(M) SUBMERSIBLE PUMP

(M) MOTOR

(V F D) VARIABLE FREQUENCY DRIVE

GATE

BARSCREEN

VALVE SYMBOLS

- GATE VALVE
- PLUG VALVE
- GLOBE VALVE
- THREE WAY BALL VALVE
- DIAPHRAGM VALVE
- BALL VALVE
- PINCH VALVE
- CHECK VALVE
- DUCKBILL CHECK VALVE
- 3–WAY VALVE
- 4–WAY VALVE

PIPING SYMBOLS

- DIAPHRAGM SEAL WITH ISOLATION VALVE
- INLINE SEAL
- QUICK–CONNECT
- UNION
- ELBOW
- DRAIN
- REDUCER
- ECCENTRIC REDUCER

PANEL DEVICE SYMBOLS

(HS L/O/R) HAND SWITCH (MANUAL SELECTOR)
FUNCTION SUBSCRIPT (LOCATION MAY VARY)

(PB ESTOP) PUSHBUTTON
FUNCTION SUBSCRIPT (LOCATION MAY VARY)

FUNCTION SUBSCRIPTS FOR HAND SWITCH AND PUSHBUTTON CONTROLS:

ESTOP	E–STOP
F/O/R	FORWARD–OFF–REVERSE
F/O/JR	FORWARD–OFF–JOG REVERSE
H/O/A	HAND–OFF–AUTO
H/O/R	HAND–OFF–REMOTE
H/O/SBY	HAND–OFF–STANDBY
L/O/R	LOCAL–OFF–REMOTE
M/A	MANUAL–AUTO
M/O/A	MANUAL–OFF–AUTO
O/C	OPEN–CLOSE
O/O	ON–OFF
O/S/C	OPEN–STOP–CLOSE
RS	RESET
R/L	REMOTE–LOCAL
R/O	RUN–OFF
SC	SPEED CONTROL POTENTIOMETER
SCR	SILICON CRYSTAL RECTIFIER
S/S	START–STOP
S/SLO	START–STOP WITH LOCKOUT

(IL G) INDICATING LIGHT UNIT
G–GREEN (OFF,STOP,CLOSED)
R–RED (RUN,START,OPEN)
W–WHITE (POWER ON)
A–AMBER (ALARM CONDITION)
F–FLASHES ON ELECTRIC OR MECHANICAL MALFUNCTION

(1) INTERLOCK
1 = NOTE NUMBER

ELECTRONIC HORN

(W) STROBE LIGHT
A – AMBER
W – WHITE
R – RED
B – BLUE

INTERCONNECTING LINES WITH DOT INDICATE ROUTING OF THE SAME SIGNAL.

INTERCONNECTING LINES WITHOUT DOT INDICATE ROUTING OF MORE THAN ONE SIGNAL

ACTUATOR SYMBOLS & ABBR.

(M) ELECTRIC MOTOR ACTUATOR (E)

ABBREVIATIONS

DISCH	DISCHARGE
PRESS	PRESSURE
STP	SEWAGE TREATMENT PLANT

GENERAL NOTES

1. COORDINATE WORK WITH OTHER DRAWINGS AND DISCIPLINES.
2. THE SYMBOLS SHOWN ON THIS SHEET ARE STANDARD DESIGNATIONS. NOT ALL SYMBOLS ARE APPLICABLE TO THE INCLUDED DIAGRAMS AND INSTRUMENT TAGGING SYSTEM.
3. NOT ALL PIPING, FITTINGS, AND TANK DETAILS ARE SHOWN. REFER TO PROCESS DRAWINGS FOR ACTUAL DETAILS.
4. INSTRUMENT IDENTIFICATION AND LOOP NUMBERS APPEAR WITH INSTRUMENT SYMBOL.
5. TAG NUMBER DOES NOT CHANGE IF SIGNAL IS BROUGHT TO ANOTHER CONTRACT AREA.
6. FINAL ALPHA CHARACTER IN TAG (E.G. FI–101A) INDICATES DUPLICATE DEVICE EXISTS. FI–101B MAY BE IN A A PANEL.

LINE TYPES

- SOFTWARE LINK, SYSTEM FUNCTION CONNECTION OR COMMUNICATION LINK
- MODBUS COMMUNICATION
- ETHERNET COMMUNICATION
- DEVICENET COMMUNICATION
- MAIN PROCESS LINE
- AUXILIARY SYSTEMS
- EQUIPMENT PACKAGE LIMIT
- ELECTRIC (ELECTRONIC) SIGNAL
- PNEUMATIC SIGNAL
- CAPILLARY LINE
- HYDRAULIC SIGNAL
- SONIC SIGNAL
- HEAT TRACED AND INSULATED
- TELEPHONE LINK
- FUTURE
- EXISTING

DRAWING CONTINUATION LEGEND

PROCESS LINES (ON/OFF PAGE):

(I–1)

UTILITY LINES (ON/OFF PAGE):

REMARKS 1
CONN | UTILITY DRAWING NUMBER
REMARKS 2

INSTRUMENT SIGNAL LINES (ON/OFF PAGE):

SIGNAL NAME
CONN DRAWING NUMBER

PROCESS LINE
NOT WITHIN THE BOUNDARY OF THIS SET OF DRAWINGS

INSTRUMENT SIGNAL LINE
NOT WITHIN THE BOUNDARY OF THIS SET OF DRAWINGS

SIGNAL NAME

CONN: CONNECTION NUMBER

PROGRESS PRINTS

FINAL DESIGN REVIEW

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CHECKED BY:

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0 10 20
SCALE 1"=10'

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: SYMBOLS, LEGENDS AND ABBREVIATIONS

PROJECT NO. 15-383

DRAWING NO. I–01

SHEET NO.

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DATE/TIME = Jan 19, 2022 - 10:42am

PROGRESS PRINTS

MAIN CONTROL PANEL WITH OIT

UTILITY POWER FAILURE UA #
STATION ON GEN. PWR YI #
GEN. EXERCISE IS ACTIVE YI #
GEN. RUN YIR #
GEN. FAIL UA #
BATTERY LOW UA #
MAL-FUNCTION UA #
BAR SCREEN LEVEL LI #
LEVEL SENSOR SELECTOR (SEE NOTE 1) H/S #
WET WELL NO. 1 LEVEL-A LI #
WET WELL NO. 1 LEVEL-B LI #
WET WELL NO. 2 LEVEL LI #
LEVEL CONTROLLER LIC #
AUTO/ MANUAL H/S #
START/ STOP PB #
NOT IN REMOTE ZIL #
RUN YIR #
SPEED FEED-BACK SI #
SPEED COMMAND SC #
VFD FAULT UA #
HIGH WINDING TEMP TAH #
LEAK DETECTION LAH #
MOTOR OVERLOAD IAH #
GATE CLOSED ZIC #
GATE OPENED ZIO #
PRESSURE PI #
CHECK VALVE FAILED TO OPEN ZIO #

MAIN CONTROL PANEL WITH OIT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

PUMP NO. 1 (TYPICAL FOR PUMP NO. 2,3,4 AND 5)
INFLUENT GATE NO. 1 (TYPICAL FOR INFLUENT GATE NO. 2 AND WET WELL GATE)
TYPICAL OF 5
PUMP NO. 1 CHECK VALVE (TYPICAL OF 5)

TO EXISTING SEWER

MANHOLE
OVERFLOW WEIR
FROM EXISTING SEWER
LT #
120V
PUMP MONITORING PANEL
TSH #
MSH #
VFD
PIT #
ZSO #
24"X30"
24"
30"
36"
TO OUTFALL
BAR SCREEN
PUMP NO. 1
EXPANSION CONE 20"X24"
PUMP NO. 2
ZSC #
INFLUENT GATE NO.1
WET WELL NO. 1
PUMP NO. 3
10"X12"
10"
12"
WET WELL GATE
VALVE VAULT
WET WELL NO. 2
PUMP NO. 4
18"
INFLUENT GATE NO.2
EXPANSION CONE 20"X24"
PUMP NO. 5

ATS
EMERGENCY GENERATOR
HVAC

NOTES:

1. A FOUR POSITION SELECTOR SWITCH SHALL BE PROVIDED FOR SELECTING DESIRED LEVEL SENSOR FOR PUMP CONTROL. THE LEVEL SENSOR SELECTOR SWITCH SHALL HAVE LABEL STATING THE FOLLOWING:

   POSITION 1 – WET WELL NO. 1 LEVEL-A
   POSITION 2 – WET WELL NO. 1 LEVEL-B
   POSITION 3 – WET WELL NO. 2 LEVEL
   POSITION 4 – AVERAGE OF 3 LEVELS

FINAL DESIGN REVIEW

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

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FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BRIDGEPORT STORMWATER PUMP STATION P&ID

PROJECT NO. 15-383
DRAWING NO. I-02
SHEET NO.

GENERAL

G-1 THESE NOTES ARE GENERAL AND SUPPLEMENTAL TO THE SPECIFICATIONS AND APPLY TO THE ENTIRE PROJECT UNLESS MODIFIED OR NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.

G-2 STANDARD DETAILS SHOWN ON STRUCTURAL TYPICAL DRAWINGS SHALL BE USED UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

G-3 DESIGN IS IN ACCORDANCE WITH AND CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF THE 2018 CONNECTICUT STATE BUILDING CODE.

G-4 LIVE LOADS: AS SHOWN ON DRAWINGS.

G-5 ROOF SNOW LOAD:

1. GROUND SNOW LOAD, Pg = 30 PSF
2. FLAT-ROOF SNOW LOAD, Pf = 24 PSF
3. SNOW EXPOSURE FACTOR, Ce = 1.0
4. SNOW LOAD IMPORTANCE FACTOR, Is=1.1
5. THERMAL FACTOR, Ct = 1.0

G-6 SEISMIC DESIGN DATA:

1. SEISMIC IMPORTANCE FACTOR = 1.25
2. RISK CATEGORY: III
3. MAPPED SPECTRAL RESPONSE ACCELERATIONS:
   A) Ss = 0.209
   B) S1 = 0.064
4. SITE CLASS = D
5. SPECTRAL RESPONSE COEFFICIENTS:
   A) Sds = 0.223
   B) Sd1 = 0.102
6. SEISMIC DESIGN CATEGORY = B
7. BASIC SEISMIC FORCE RESISTING SYSTEM:
   ORDINARY REINFORCED CONCRETE SHEARWALLS
8. BASE SHEAR:
   Cs = 0.070 W
9. RESPONSE MODIFICATION FACTOR = 4.0
10. ANALYSIS PROCEDURE = SECTION 1617.4.1

G-7 WIND DESIGN DATA:

1. ULTIMATE DESIGN WIND SPEED = 135 MPH
2. RISK CATEGORY = III
3. WIND EXPOSURE =C
4. APPLICABLE INTERNAL PRESSURE COEFFICIENT:
   A) ENCLOSED = ± 0.18

G-8 ALL DIMENSIONS INDICATED (*) ARE TO BE VERIFIED EITHER BY FIELD MEASUREMENTS FOR EXISTING STRUCTURES OR BY SHOP DRAWINGS FOR EQUIPMENT FURNISHED. STRUCTURAL DIMENSIONS NOT SHOWN BUT CONTROLLED BY OR RELATED TO EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR WITH THE MANUFACTURER PRIOR TO CONSTRUCTION.

G-9 EQUIPMENT ANCHOR BOLT SIZES, TYPES, AND PATTERNS SHALL BE AS REQUIRED BY THE APPROVED EQUIPMENT MANUFACTURER. ALL BOLT PATTERNS SHALL BE TEMPLATED TO INSURE ACCURACY OF PLACEMENT.

G-10 STRUCTURAL DRAWINGS SHALL BE USED IN COORDINATION WITH DRAWINGS OF ALL OTHER DISCIPLINES AND MANUFACTURER'S SHOP DRAWINGS.

G-11 IF A CONFLICT IS FOUND BETWEEN DIFFERENT PORTIONS OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY. CONTINUED CONSTRUCTION OF THE AREA IN CONFLICT SHALL BE AT THE CONTRACTOR'S OWN RISK UNTIL THE CONFLICT IS RESOLVED BY THE OWNER.

G-12 STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURE. DURING CONSTRUCTION, THE STRUCTURES SHALL BE PROTECTED BY BRACING AND TEMPORARY SUPPORTS WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR. OVERSTRESSING OF ANY STRUCTURAL ELEMENT IS PROHIBITED.

G-13 CONTRACTOR SHALL PROVIDE 1.5:1 LAYBACK DISTANCE FOR EXCAVATION AT STRUCTURES, WHERE SPACE PERMITS OTHERWISE EXCAVATION PROTECTION WILL BE PROVIDED AS SPECIFIED.

G-14 NO BACKFILL SHALL BE PLACED AGAINST ANY WALL UNLESS ALL SUPPORTING ELEMENTS OF THE STRUCTURE HAVE BEEN CONSTRUCTED AND HAVE REACHED THE SPECIFIED MINIMUM CONCRETE STRENGTH.

G-15 DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS.

G-16 CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

G-17 FOR SIZES AND LOCATIONS OF EQUIPMENT SUPPORTS AND PIPE OPENINGS, SEE OTHER DISCIPLINE DRAWINGS. OPENINGS SIZES LESS THAN 12" ARE NOT SHOWN ON STRUCTURAL DRAWINGS, REFERENCE OTHER DISCIPLINE DRAWINGS FOR LOCATIONS.

G-18 OPENINGS AND PENETRATION:
THE CONTRACTOR SHALL SUBMIT COMPOSITE DRAWINGS INDICATING ALL FLOOR OPENINGS AND PENETRATIONS THROUGH STRUCTURAL MEMBERS REQUIRED TO ACCOMMODATE THE HVAC, PLUMBING AND ELECTRICAL WORK THE CONTRACTOR SHALL FOLLOW THE TYPICAL FRAMING DETAILS AT OPENINGS AND REINFORCEMENT DETAILS AT PENETRATIONS THROUGH STRUCTURAL MEMBERS. ACCORDINGLY, THE CONTRACTOR SHALL SUBMIT SHOP DETAILS TO THE ENGINEER FOR REVIEW.

FOUNDATIONS

FOUNDATION INFORMATION SHALL CONFORM WITH THE GEOTECHNICAL REPORT PROVIDED BY XXXX DATED XXXX, 2021.

CONCRETE

C-1 CONCRETE 28-DAY COMPRESSIVE STRENGTH:
5000 PSI – PRE-CAST CONCRETE TO BE PROVIDED BY MANUFACTURER.
CLASS A - 4500 PSI
CLASS B - 3000 PSI - CONCRETE FILL WITHIN STRUCTURES, DUCT BANKS, UNREINFORCED ENCASEMENTS AND THRUST BLOCKS.
CLASS D - 2000 PSI - LEAN: UNREINFORCED THRUST BLOCKS, UNREINFORCED ENCASEMENT AND MISCELLANEOUS NON-STRUCTURAL.

C-2 REINFORCEMENT: ASTM A615, GRADE 60.

C-3 CONCRETE COVER FOR REINFORCING:

A) SURFACES CAST AGAINST SUBGRADE	3"
B) TOP SURFACES OF SLABS WHERE PVC WATERSTOP IS REQUIRED IN WALLS	3"
C) FORMED SURFACES IN CONTACT WITH WEATHER, SOIL, OR LIQUID	2"
D) BOTTOM SURFACES OF SLABS OVER LIQUID	2"
E) SURFACES NOT IN CONTACT WITH WEATHER, SOIL, OR LIQUID	1 1/2"

C-4 CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS. WHERE NOT SHOWN, CONSTRUCTION JOINTS SHALL BE LOCATED AS REQUIRED BY THE SPECIFICATIONS. CONSTRUCTION JOINT TYPES AND LOCATIONS SHALL BE AS APPROVED BY THE ENGINEER.

C-5 WHERE HORIZONTAL CONSTRUCTION JOINTS, LOCATED ABOVE THE FOUNDATION SLAB, EXTEND BEYOND WHERE NEEDED, TERMINATE AT A VERTICAL CONSTRUCTION JOINT AS APPROVED BY THE ENGINEER.

C-6 UON, PROVIDE WATERSTOPS IN ALL FOUNDATION, TANKS AND OTHER SUBSTRUCTURES UP TO AN ELEVATION AT LEAST 12 INCHES ABOVE GRADE OR TO AN ELEVATION AT LEAST 12 INCHES ABOVE LIQUID LEVEL IN TANKS, WHICHEVER IS HIGHER, REGARDLESS IF LEVEL IS SHOWN.

C-7 EQUIPMENT SUPPORTS, ANCHORAGES, OPENINGS, RECESSES AND REVEALS NOT SHOWN ON THE STRUCTURAL DRAWINGS BUT REQUIRED BY OTHER CONTRACT DOCUMENTS, SHALL BE PROVIDED FOR PRIOR TO PLACING CONCRETE.

C-8 AT ALL TYPICAL CURBS, EQUIPMENT PADS, AND PIPE SUPPORT PIERS, REINFORCING DOWELS SHOWN MAY BE REPLACED WITH MATCHING DOWELS SET IN EPOXY IN DRILLED HOLES AS SPECIFIED. DOWELS LOCATED CLOSER THAN 3 INCHES FROM ANY EDGE OF CONCRETE SHALL NOT BE REPLACED WITH DRILLED DOWELS.

C-9 WHERE DRILLED EPOXY DOWELS ARE PLACED INTO HARDENED CONCRETE, ADJUST THE DOWEL LOCATIONS AS NEEDED TO AVOID DRILLING THROUGH ANY REINFORCING BARS. IF THE DOWEL LOCATION NEEDS TO BE MODIFIED, CONTACT THE ENGINEER BEFORE PROCEEDING.

C-10 DOWELS, ANCHOR BOLTS, PIPES, AND OTHER EMBEDDED ITEMS SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.

C-11 CONDUITS AND PIPES EMBEDDED IN OR PENETRATING THROUGH CONCRETE SHALL BE SPACED ON CENTER NOT LESS THAN 3 TIMES THEIR OUTSIDE DIMENSION,BUT NOT LESS THAN 2 1/2 INCHES CLEAR. OUTSIDE DIMENSION OF EMBEDDED ITEMS SHALL NOT EXCEED 1/3 OF THE CONCRETE MEMBER THICKNESS. CLEAR SPACING REQUIREMENTS SHALL APPLY FOR EMBEDDED CONDUITS OR PIPES CROSSING AT AN ANGLE LESS THAN 60 DEGREES.

C-12 THE EFFECTIVE DIMENSION USED TO MEET MEMBER THICKNESS LIMITATIONS SHALL BE THE SUM OF THE OUTER DIMENSIONS OF CROSSING ELEMENTS.

C-13 EMBEDDED CONDUITS AND PIPES SHALL BE LOCATED BETWEEN THE LAYERS OF REINFORCEMENT AND A MINIMUM OF 2 1/2 INCHES CLEAR FROM APPROXIMATELY PARALLEL REINFORCING BARS. REQUIREMENTS FOR EMBEDDED ELEMENTS CROSSING REINFORCING BARS SHALL BE AS REQUIRED FOR CROSSING EMBEDDED ELEMENTS.

C-14 CONDUITS AND PIPES SHALL NOT BE EMBEDDED IN OR PASS THROUGH COLUMNS AND BEAMS UNLESS INDICATED OTHERWISE OR AUTHORIZED BY OWNER.

C-15 REINFORCING BARS AND ACCESSORIES SHALL NOT BE IN CONTACT WITH ANY METAL PIPE, PIPE FLANGE, METAL CONDUIT OR OTHER METAL PARTS EMBEDDED IN CONCRETE. A MINIMUM CLEARANCE OF 2 INCHES SHALL BE PROVIDED.

C-16 CONTRACTOR SHALL PROVIDE 3/4 INCH CHAMFER USING WOOD CHAMFER STRIPS ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS, EQUIPMENT PADS AND WALLS OR AS REQUIRED TO MATCH EXISTING.

C-17 LAP SPLICES SHALL BE IN ACCORDANCE WITH THE TABLE SHOWN ON TYPICAL DETAILS.

C-18 PROVIDE ADDITIONAL REINFORCEMENT AT OPENINGS AND WALL INTERSECTIONS AS SHOWN ON TYPICAL DETAILS (UON).

STRUCTURAL METALS

S-1 DETAIL, FABRICATE, AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION.

S-2 STEEL MATERIAL:
A) STRUCTURAL TUBING, ASTM A 500, GRADE C
B) STRUCTURAL PIPE, ASTM A 53, GRADE B
C) W SHAPES, ASTM A992.
D) STRUCTURAL CHANNELS, ASTM A 572.
E) ALL OTHER SHAPES AND PLATES, ASTM A 36 (UON)

S-3 STAINLESS STEEL
A. ASTM A276 (BARS & SHAPES) (ANNEALED).
B. ASTM A480/A 666 (PLATE).
C. TYPE 316, (TYPE 304 FOR ARCHITECTURAL USES) Fy = 30 KSI.
D. TYPE 316L, (TYPE 304L FOR ARCHITECTURAL USES) Fy = 25 KSI (REQUIRED WHERE SUBJECT TO WELDING)
E. BOLTED CONNECTIONS (1/4-IN. TO 5/8-IN.) ASTM A 593/A 594, CONDITION CW, MATCH TYPE OF STAINLESS STEEL CONNECTED (Fu = 100 KSI, Fy = 65 KSI).
F. BOLTED CONNECTIONS (3/4-IN. TO 1 ½-IN.) ASTM A 593/A 594, CONDITION CW, MATCH TYPE OF STAINLESS STEEL CONNECTED (Fu = 85 KSI, Fy = 45 KSI).

S-4 ALUMINUM ALL ALUMINUM SECTIONS: ALLOY 6061 T6.

S-5 PROVIDE TYPICAL STEEL BEAM CONNECTIONS FOR A CAPACITY OF NOT LESS THAN THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE AISC TABLES FOR ALLOWABLE LOADS OF BEAMS.

S-6 DO NOT PAINT STEEL SURFACES WHICH ARE TO BE WELDED OR ENCASED IN CONCRETE.

S-7 ALL GROOVE AND BUTT WELDS SHALL BE FULL PENETRATION UON.

S-8 FILLET WELD SIZES SHALL BE THE MINIMUM SIZE REQUIRED BY AISC CODE FOR PLATE SIZES TO BE CONNECTED BUT NOT LESS THAN 3/16 INCH AND SHALL BE APPLIED TO THE ENTIRE JOINT CONTACT LENGTH UON.

S-9 STAINLESS STEEL SHALL BE TYPE 316L-ASTM A276.

S-10 STAINLESS STEEL TYPE 316L SHALL BE USED IN ALL AREAS TO BE SUBMERGED AND AS SHOWN ON DWGS.

S-11 ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING STAINLESS STEEL SHALL BE TYPE 316 STAINLESS STEEL.

S-12 WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS SHALL BE LOCATED NOT TO EXCEED 1/4 SPACE FROM EACH END.

ABBREVIATIONS

AB	ANCHOR BOLTS
ADD'L	ADDITIONAL
AL	ALUMINUM
ALT	ALTERNATE
ANCH	ANCHOR
APPROX	APPROXIMATE
AWS	AMERICAN WELDING SOCIETY
A	ARCHITECTURAL
BAL	BALANCE
BET	BETWEEN
BL	BUILDING LINE
BLDG	BUILDING
BLK	BLOCK
BM	BEAM
BOT	BOTTOM
BRG	BEARING
C	CHANNEL STRUCTURAL SHAPE
CANT'L	CANTILEVER
CJ	CONSTRUCTION JOINT
CL	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPRESSIBLE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CSTG	CASTING
C/C	CENTER TO CENTER
CTR	CENTER
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DP	DEEP
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EMB	EMBEDMENT
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EW T&B	EACH WAY TOP & BOTTOM
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FB	FLOOR BEAM
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FAR FACE
FIN	FINISH
FL	FLOOR
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZE
GB	GRADE BEAM
GFI	GROUND FAULT INTERRUPTER
GR	GRADE
GRTG	GRATING
H	HIGH
HT	HEIGHT
HORIZ	HORIZONTAL
HP	HIGH POINT
HS	HIGH STRENGTH
HVAC	HEATING, VENTILATING & AIR CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
INV	INVERT
JT	JOINT
KO	KNOCK OUT
L	ANGLE (STRUCTURAL SHAPE)
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZ
LLV	LONG LEG VERT
LOC	LOCATION
LP	LOW POINT
LW	LONG WAY
MAS	MASONRY
MTCH	MATCH/MATCHING
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURE, MANUFACTURER
MH	MANHOLE
MID	MIDDLE
MIN	MINIMUM
N	NORTH
NF	NEAR FACE
#	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
PC	PRECAST CONCRETE
PCO	PILE CUT OFF
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PVC	POLYVINYL CHLORIDE
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
REINF	REINFORCEMENT
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
S	SOUTH
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SL	SLAB
SP	SPIRAL
SPA	SPACING
SPEC	SPECIFICATION
SQ	SQUARE
SST	STAINLESS STEEL
STD	STANDARD
STIR	STIRRUP
STL	STEEL
STRUCT	STRUCTURAL
T&B	TOP AND BOTTOM
TOC	TOP OF CONCRETE
THK	THICK
T/	TOP OF
T	TREAD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
WF	WIDE FLANGE STRUCTURAL SHAPE, WIDTH
W/	WITH
WP	WORKING POINT
WS	WATERSTOP

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

PROGRESS PRINTS

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CB/ZS
CHECKED BY: KBP
SCALE IN FEET
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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: GENERAL NOTES AND ABBREVIATIONS

PROJECT NO. 15-838
DRAWING NO. 18PS-S-1
SHEET NO.

STRUCTURAL QUALITY ASSURANCE PLAN

GENERAL

THIS STRUCTURAL QUALITY ASSURANCE PLAN IDENTIFIES THE RESPONSIBILITIES OF THE CONTRACTOR AND THE SPECIAL INSPECTOR IN PERFORMING THE TESTING AND INSPECTION OF THE WORK REQUIRED BY CHAPTER 17 OF THE BUILDING CODE THAT IS WITHIN THE SCOPE OF THE STRUCTURAL ENGINEERING SERVICES FOR THIS PROJECT. REFER TO OTHER PORTIONS OF THE CONSTRUCTION DOCUMENTS FOR TESTING AND INSPECTIONS REQUIRED OF MECHANICAL, ELECTRICAL, CIVIL, OR OTHER BUILDING COMPONENTS.

CONTRACTOR'S RESPONSIBILITIES:

CONTRACTOR SHALL NOTIFY SPECIAL INSPECTION AGENCY/LABORATORY IN WRITING AT LEAST 72 HOURS PRIOR TO START OF WORK AND COOPERATE WITH THE INDIVIDUAL SPECIAL INSPECTORS AND TESTING AGENCIES EMPLOYED BY THE OWNER TO FACILITATE CODE REQUIRED SPECIAL INSPECTIONS.

CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTION" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT PER SECTION 1704.4.

SPECIAL INSPECTOR'S RESPONSIBILITIES:

THE SPECIAL INSPECTOR SHALL BE A LICENSED ENGINEER IN THE STATE OF CONNECTICUT OR PERFORMING APPROPRIATE DUTIES DIRECTLY UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF CONNECTICUT AND HAVE A THOROUGH UNDERSTANDING OF THE SPECIAL INSPECTION REQUIREMENTS OF THE 2015 IBC. THE SPECIAL INSPECTOR SHALL BE AN INDIVIDUAL OR INDIVIDUALS CERTIFIED OR EXPERIENCED TO PERFORM SUCH INSPECTIONS IN A PARTICULAR FIELD.

THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. PERIODIC REPORTS SHALL BE PROVIDED AND SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED TO THE SATISFACTION OF THE SPECIAL INSPECTOR, THE DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE WORK.

A WEEKLY REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED. AT THE COMPLETION OF THE SPECIAL INSPECTIONS, THE LICENSED PROFESSIONAL ENGINEER IN CHARGE OF PERFORMING THE SPECIAL INSPECTION SHALL CERTIFY THE FINAL SPECIAL INSPECTION REPORT AND AFFIX HIS/HER SEAL TO THE SPECIAL INSPECTOR'S FINAL REPORT. PROVIDE THREE (3) COPIES OF THIS REPORT TO THE PROJECT ENGINEER.

STRUCTURAL STEEL

CONTRACTOR SHALL PERFORM THE FOLLOWING:

1. SUBMIT CERTIFICATION THAT THE FABRICATOR IS APPROVED BY THE BUILDING OFFICIAL TO PERFORM REQUIRED WORK WITHOUT SPECIAL INSPECTIONS PER IBC 1705.2 EXCEPTIONS.
2. IF FABRICATOR IS NOT APPROVED, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE REQUIRED. SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.
3. CONTRACTOR TO COORDINATE BUILDING DEPARTMENT INSPECTIONS AND SPECIAL INSPECTIONS.
4. SUBMIT CERTIFIED MILL TEST REPORTS FOR STRUCTURAL STEEL.
5. SUBMIT MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR HIGH-STRENGTH BOLTING AND WELD FILLER MATERIALS.

SPECIAL INSPECTOR SHALL PERFORM THE FOLLOWING:

1. SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360-10.
2. SUBMIT CERTIFICATION THAT THE FABRICATOR IS APPROVED BY THE BUILDING OFFICIAL TO PERFORM REQUIRED WORK WITHOUT SPECIAL INSPECTIONS.
3. IF FABRICATOR IS NOT APPROVED, SPECIAL INSPECTION OF THE FABRICATED SHALL BE REQUIRED. SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.

CAST-IN-PLACE CONCRETE:

CONTRACTOR SHALL PERFORM THE FOLLOWING:

1. ESTABLISH CONCRETE MIX DESIGN PROPORTIONS PER ACI 318 AND THE SPECIFICATIONS. SUBMIT THREE COPIES OF THE CONCRETE MIX DESIGNS. INCLUDE THE FOLLOWING:
   - A. TYPE AND QUANTITIES OF MATERIALS
   - B. SLUMP
   - C. AIR CONTENT
   - D. FRESH UNIT WEIGHT
   - E. AGGREGATES SIEVE ANALYSIS
   - F. DESIGN COMPRESSIVE STRENGTH
   - G. LOCATION OF PLACEMENT IN STRUCTURE
   - H. METHOD OF PLACEMENT
   - I. METHOD OF CURING
   - J. SEVEN-DAY AND 28-DAY COMPRESSIVE STRENGTHS
   - K. ADMIXTURE PRODUCT DATA
   - L. SHRINKAGE TEST RESULTS PER SPECIFICATIONS
2. SUBMIT A CERTIFICATION FROM EACH MANUFACTURER OR SUPPLIER STATING THAT MATERIALS MEET THE REQUIREMENTS OF THE SPECIFIED ASTM AND ACI STANDARDS.
3. SUBMIT CERTIFICATION THAT THE READY-MIXED CONCRETE PLANT COMPLIES WITH THE REQUIREMENTS OF THE NATIONAL READY MIX CONCRETE ASSOCIATION.

SPECIAL INSPECTOR SHALL PERFORM THE FOLLOWING:

TABLE 1705.3
REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD (SEE NOTE A)	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	–	X	ACI 318: Ch. 20, 25.2, 25.3 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING:				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;	–	X	AWS D1.4	–
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND		X	ACI 318: 26.6.4	
c. INSPECT ALL OTHER WELDS.	X			
3. INSPECT ANCHORS CAST IN CONCRETE.	–	X	ACI 318: 17.8.2	–
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS: (SEE NOTE B)				
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO REISIST SUSTAINED TENSION LOADS.	X	X	ACI 318: 17.8.2.4	–
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.			ACI 318: 17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX.	–	X	ACI 318: Ch. 19, 26.4.3 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	–	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATON TECHNIQUES.	X	–	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR:				
a. APPLICATION OF PRESTRESSING FORCES; AND	X	-	ACI 318: 26.10	–
b. GROUTING OF BONDED PRESTRESSING TENDONS.				
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	X	ACI 318: 26.9	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1.2(b)	-

A. WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.
B. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES, WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENTS OF THE WORK.

ADHESIVE ANCHORS FOR ANCHORAGE INTO CONCRETE:
MANUFACTURERS:

1. HILTI HIT-RE 500 V3 EPOXY ADHESIVE.
2. OR AS APPROVED.
   - A. INJECTABLE TWO-COMPONENT ADHESIVE.
   - B. HILTI ANCHOR ROD HAS-R 316 STAINLESS STEEL THREADED ROD COMPLYING WITH ASTM F593 CONDITION CW.
   - C. ADHESIVE ANCHORAGE SYSTEM SHALL BE SEISMIC QUALIFIED WITH CURRENT ICC-ES ESR REPORT (ICC-ES-ESR 3814)
   - D. INSTALLERS TO BE TRAINED BY ANCHOR MANUFACTURER.
   - E. 10% OF ALL ADHESIVE ANCHORS TO BE LOAD TESTED, AS INSTALLED IN FIELD, TO ENSURE ALLOWABLE MANUFACTURER LOADS ARE ACHIEVED.

TABLE 1705.6
REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	–	X
2. VERIFY EXCAVATIONS ARE EXTENTED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	–	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	–	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL. –	X	–
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	–	X

TABLE 1705.2.3
REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD (SEE NOTE A)
1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.			
a. END CONNECTIONS - WELDING OR BOLTED.	–	X	SJI SPECIFICATIONS LISTED IN SECTION 2207.1
b. BRIDGING - HORIZONTAL OR DIAGONAL.	–		
1. STANDARD BRIDGING		X	SJI SPECIFICATIONS LISTED IN SECTION 2207.1
2. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1.		X	

A. WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

TABLE 1705.7
REQUIRED SPECIAL INSPECTIONS AND TESTS OF DRIVEN DEEP FOUNDATION ELEMENTS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS.	X	–
2. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.	X	–
3. INSPECT DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	–
4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT.	X	–
5. FOR STEEL ELEMENTS, PERFORM ADDITONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.2.	–	–
6. FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM TESTS AND ADDITONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3.	–	–
7. FOR SPECIALTY ELEMENTS, PERFORM ADDITONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.	–	–

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CB/ZS
CHECKED BY: KBP
SCALE IN FEET
NTS

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

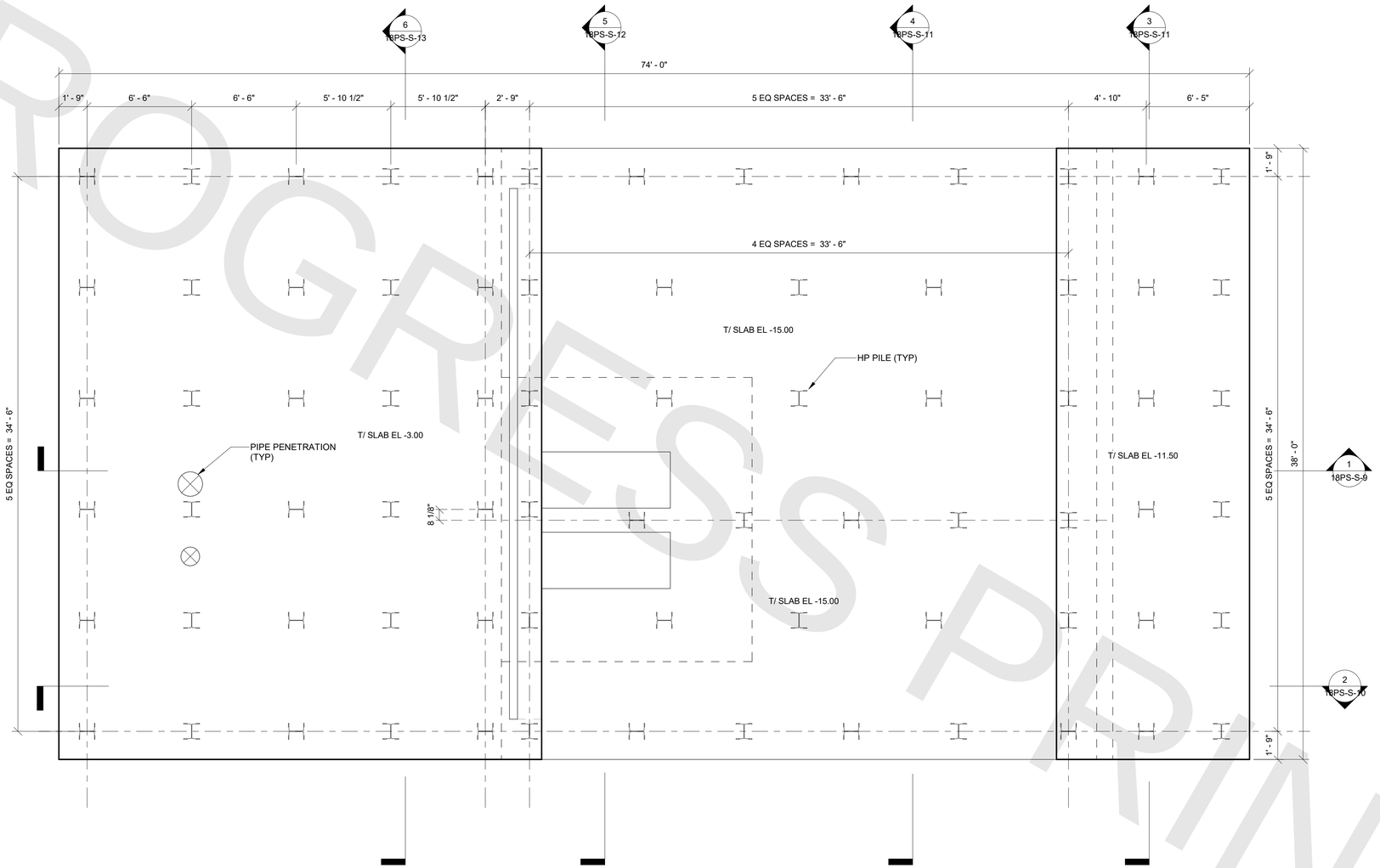
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: SPECIAL INSPECTION REQUIREMENTS

PROJECT NO. 15-838
DRAWING NO. 18PS-S-2
SHEET NO.

PROGRESS PRINTS



PILE PLAN

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

NOTE:

PILE LAYOUT IS PROVISIONAL.

PRELIMINARY - NOT FOR CONSTRUCTION

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1/4" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

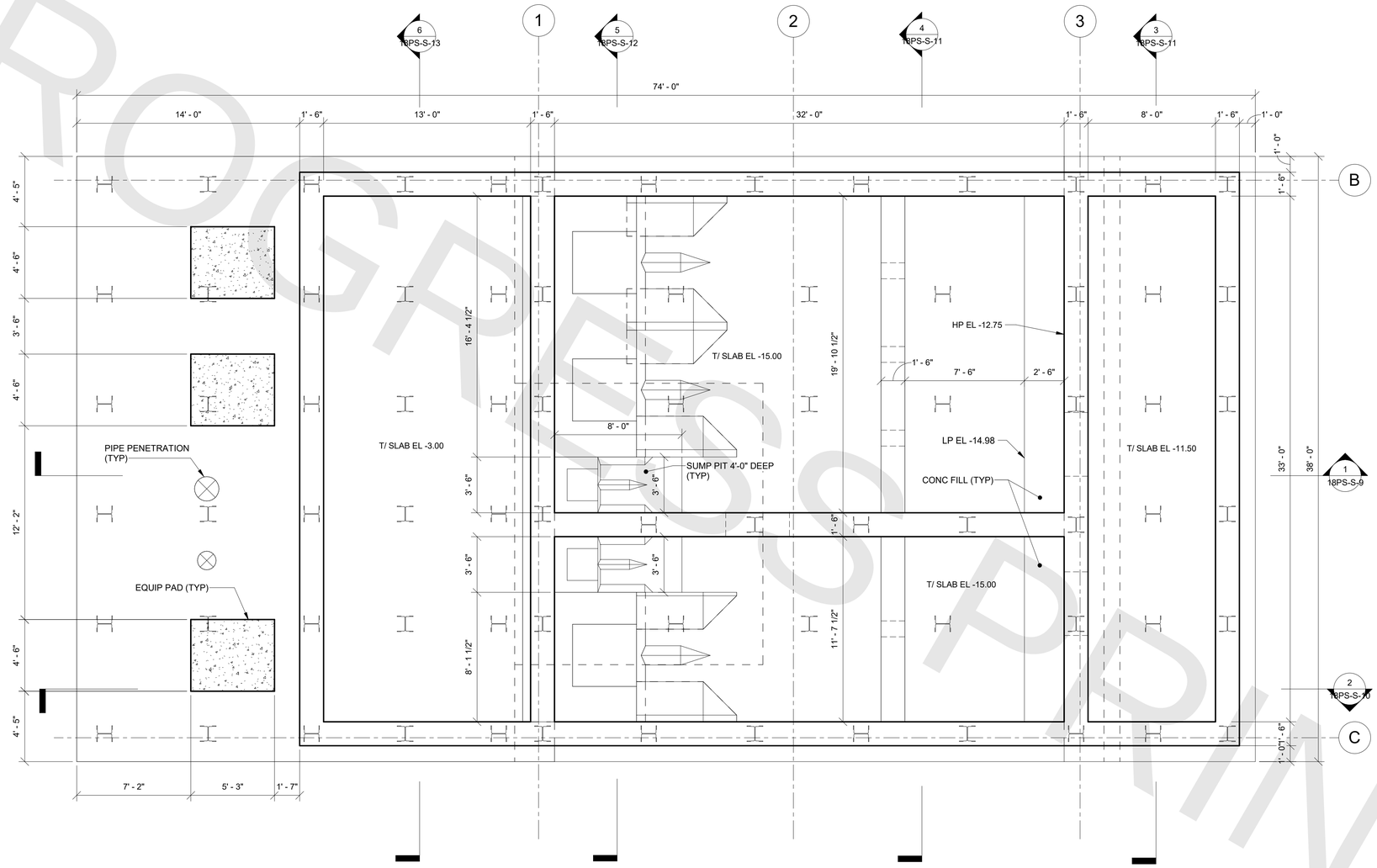
DRAWING TITLE: PUMP STATION PILE PLAN

PROJECT NO. 15-838

DRAWING NO. 18PS-S-3

SHEET NO.

PROGRESS PRINTS



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

NOTE:

PILE LAYOUT IS PROVISIONAL.

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SCALE IN FEET

1/4" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

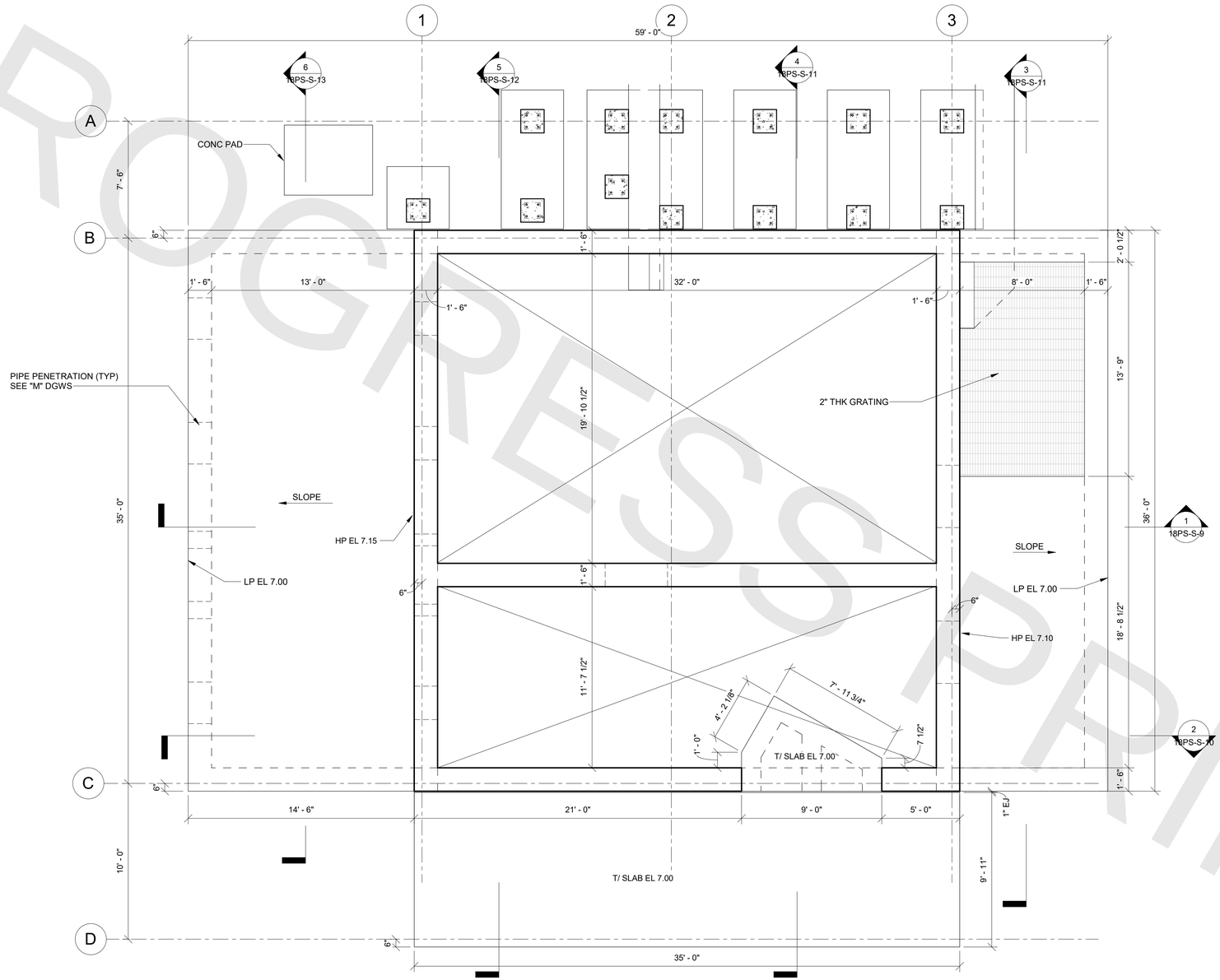
DRAWING TITLE: PUMP STATION FOUNDATION PLAN

PROJECT NO. 15-838

DRAWING NO. 18PS-S-4

SHEET NO.

PROGRESS PRINTS



INTERMEDIATE PLAN AT EL 7.00

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CB/ZS

CHECKED BY: KBP

SCALE IN FEET

1/4" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

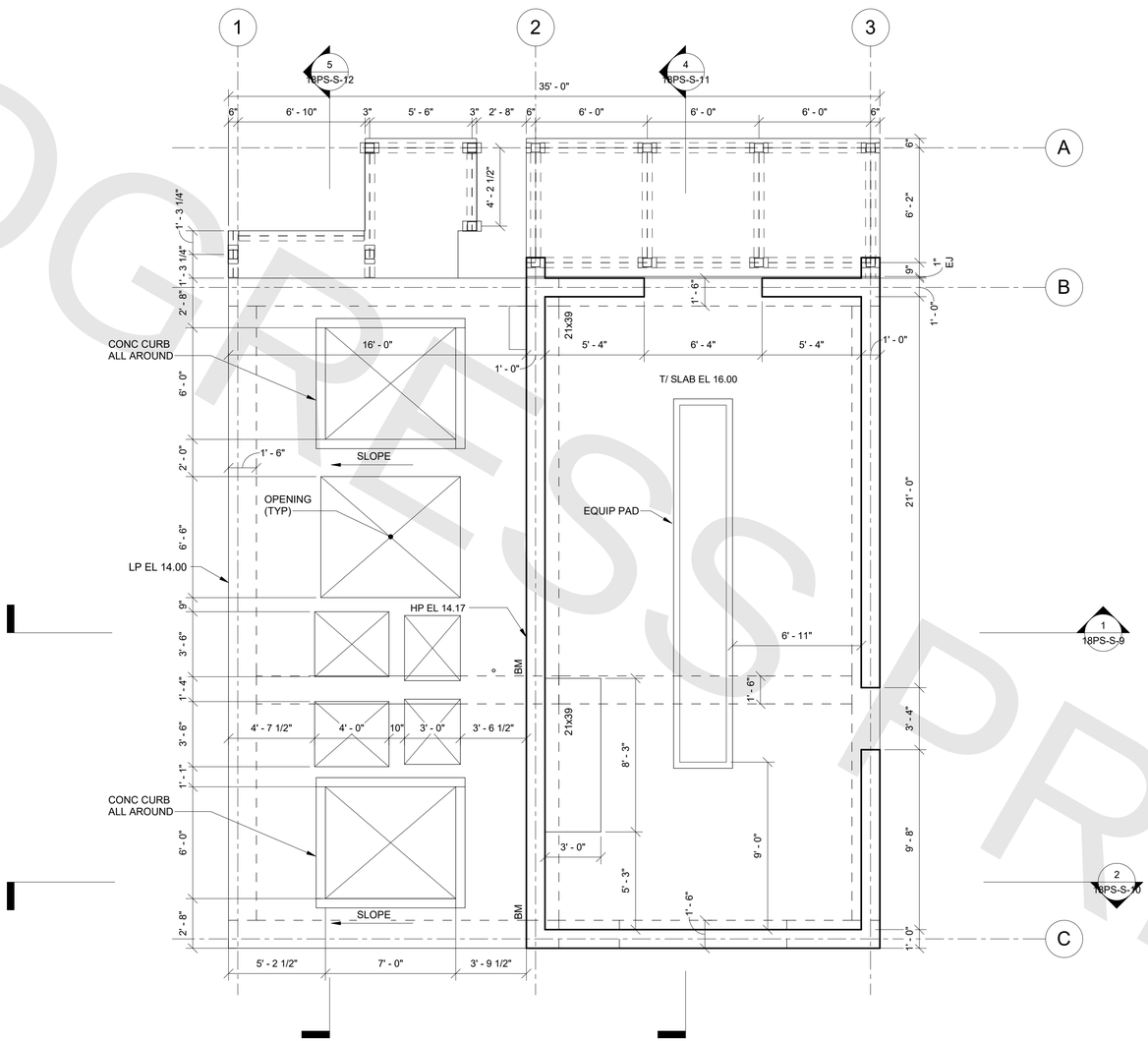
DRAWING TITLE: PUMP STATION INTEMEDIATE PLAN AT EL 7.00

PROJECT NO. 15-838

DRAWING NO. 18PS-S-5

SHEET NO.

PROGRESS PRINTS



FIRST FLOOR PLAN AT EL 16.00

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CB/ZS

CHECKED BY: KBP

SCALE IN FEET

1/4" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

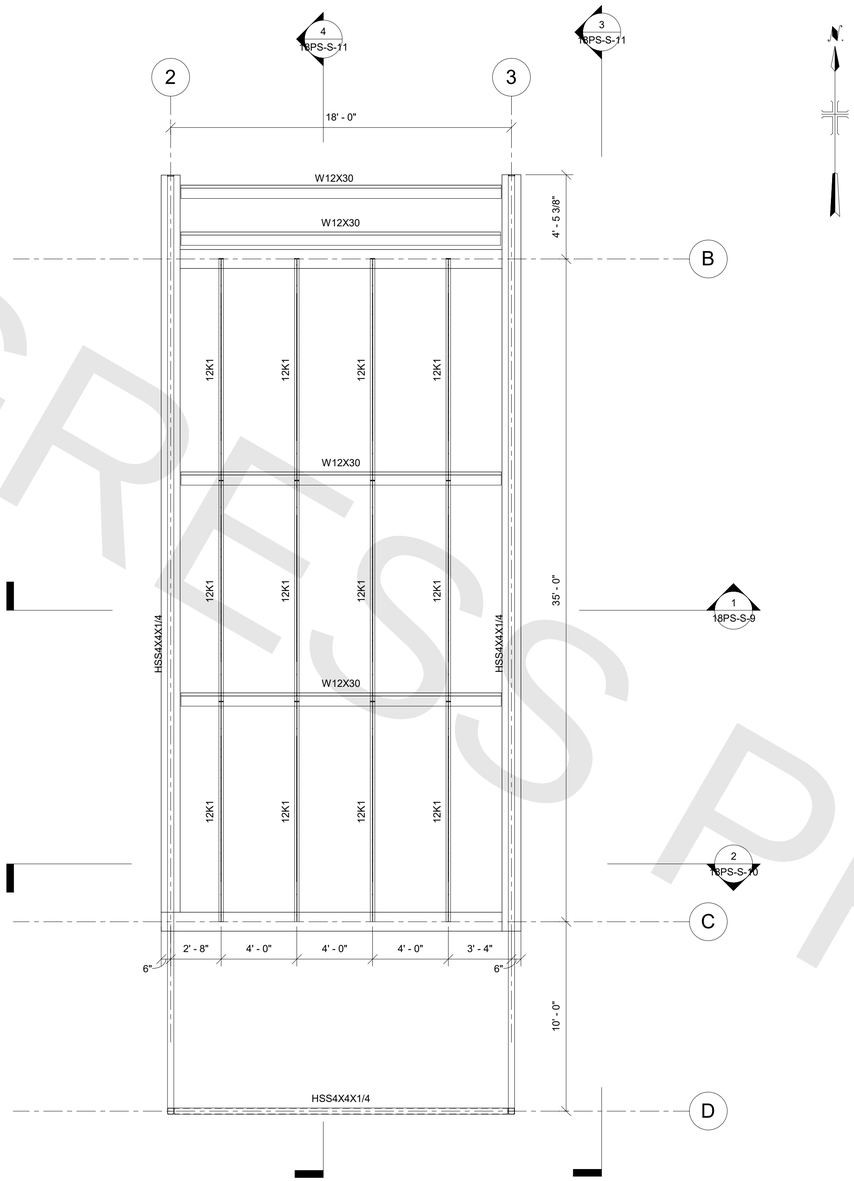
DRAWING TITLE: PUMP STATION FIRST FLOOR PLAN AT EL 16.00

PROJECT NO. 15-838

DRAWING NO. 18PS-S-6

SHEET NO.

PROGRESS PRINTS



ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CB/ZS

CHECKED BY: KBP

SCALE IN FEET

1/4" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
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WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

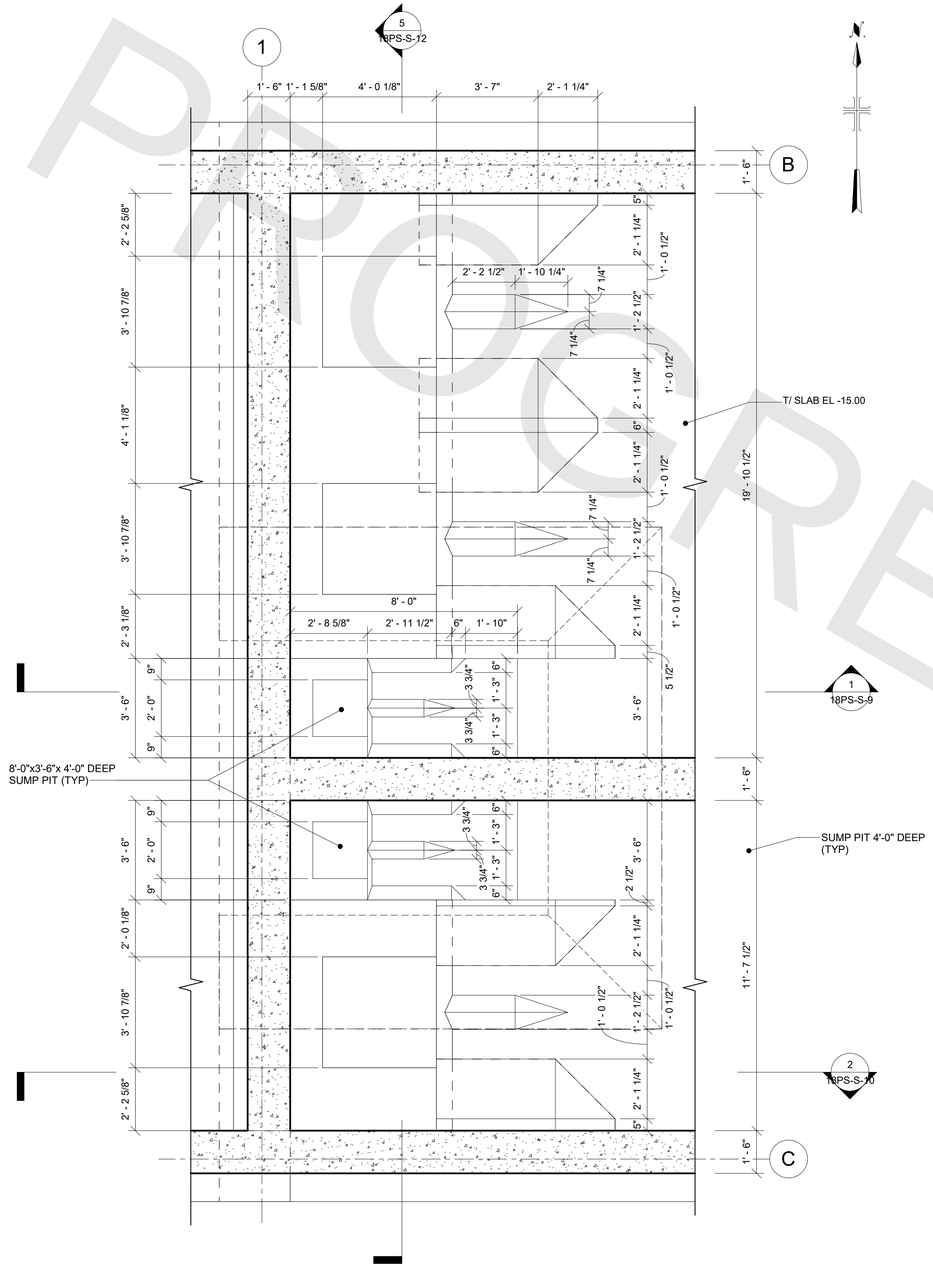
TOWN: BRIDGEPORT

DRAWING TITLE: PUMP STATION ROOF PLAN

PROJECT NO. 15-838

DRAWING NO. 18PS-S-7

SHEET NO.



FOUNDATION ENLARGED PLAN

SCALE: 3/8" = 1'-0"

0' 2' 4' 6'

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CB/ZS

CHECKED BY: KBP

SCALE IN FEET

3/8" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

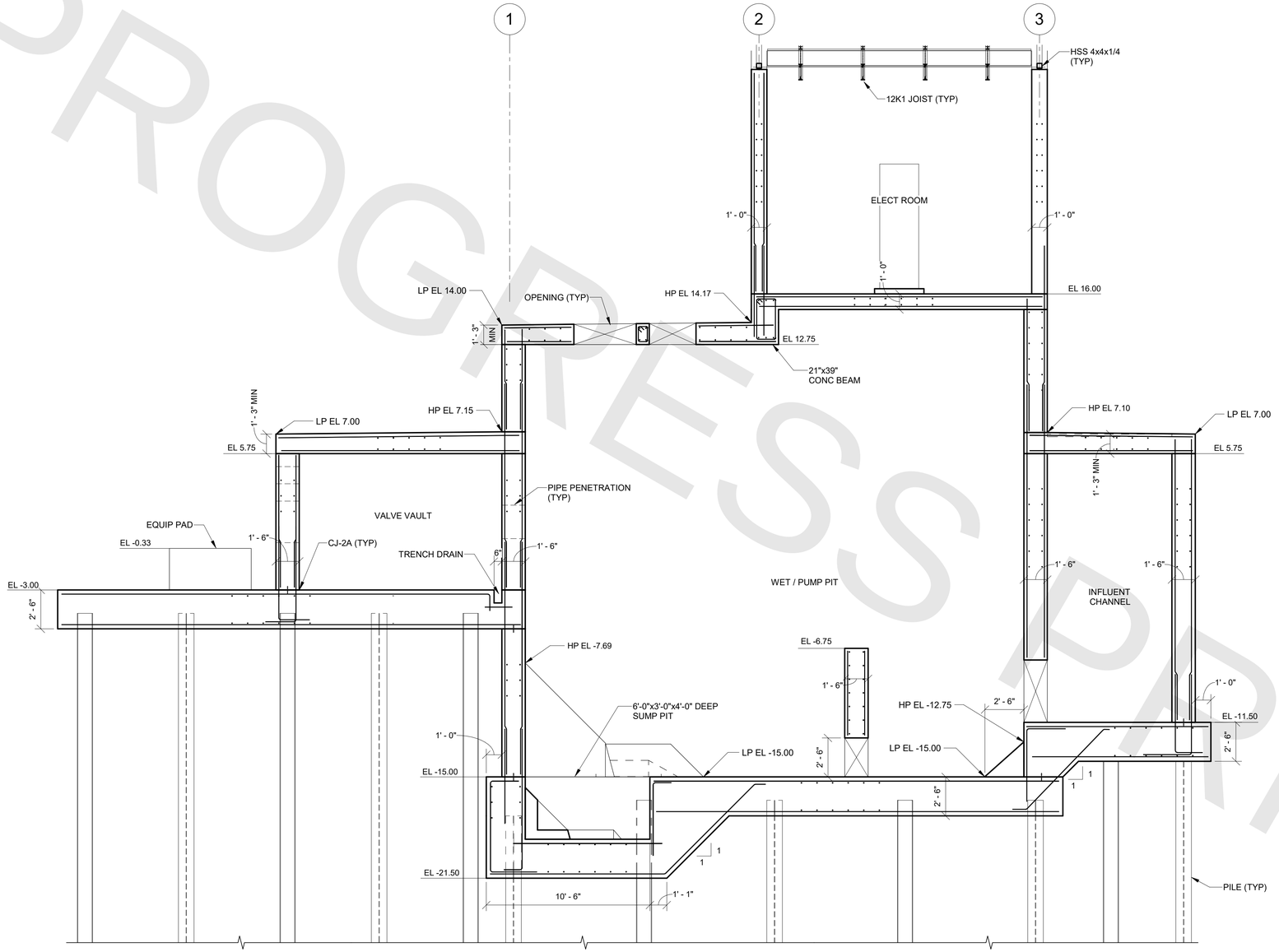
DRAWING TITLE: PUMP STATION PARTIAL PLANS

PROJECT NO. 15-838

DRAWING NO. 18PS-S-8

SHEET NO.

PROGRESS PRINTS



1 / 18PS-S-3 SECTION

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

NOTE: PILE LAYOUT IS PROVISIONAL.

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CB/ZS

CHECKED BY: KBP

SCALE IN FEET

1/4" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

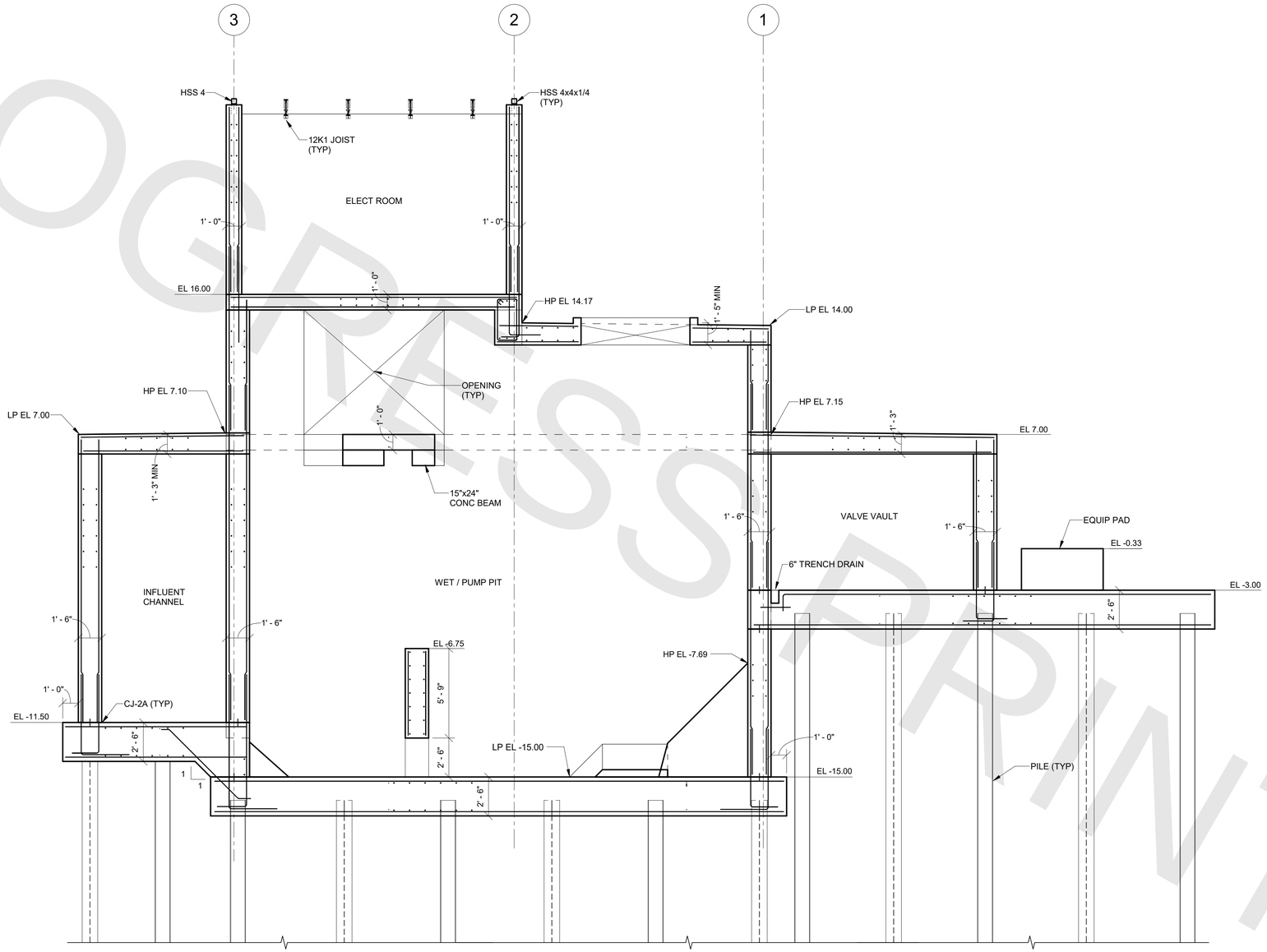
TOWN: BRIDGEPORT

DRAWING TITLE: PUMP STATION SECTIONS - SHEET 1

PROJECT NO. 15-838

DRAWING NO. 18PS-S-9

SHEET NO.



2 SECTION
18PS-S-3 SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

NOTE: PILE LAYOUT IS PROVISIONAL.

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CB/ZS
CHECKED BY: KBP
SCALE IN FEET
1/4" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

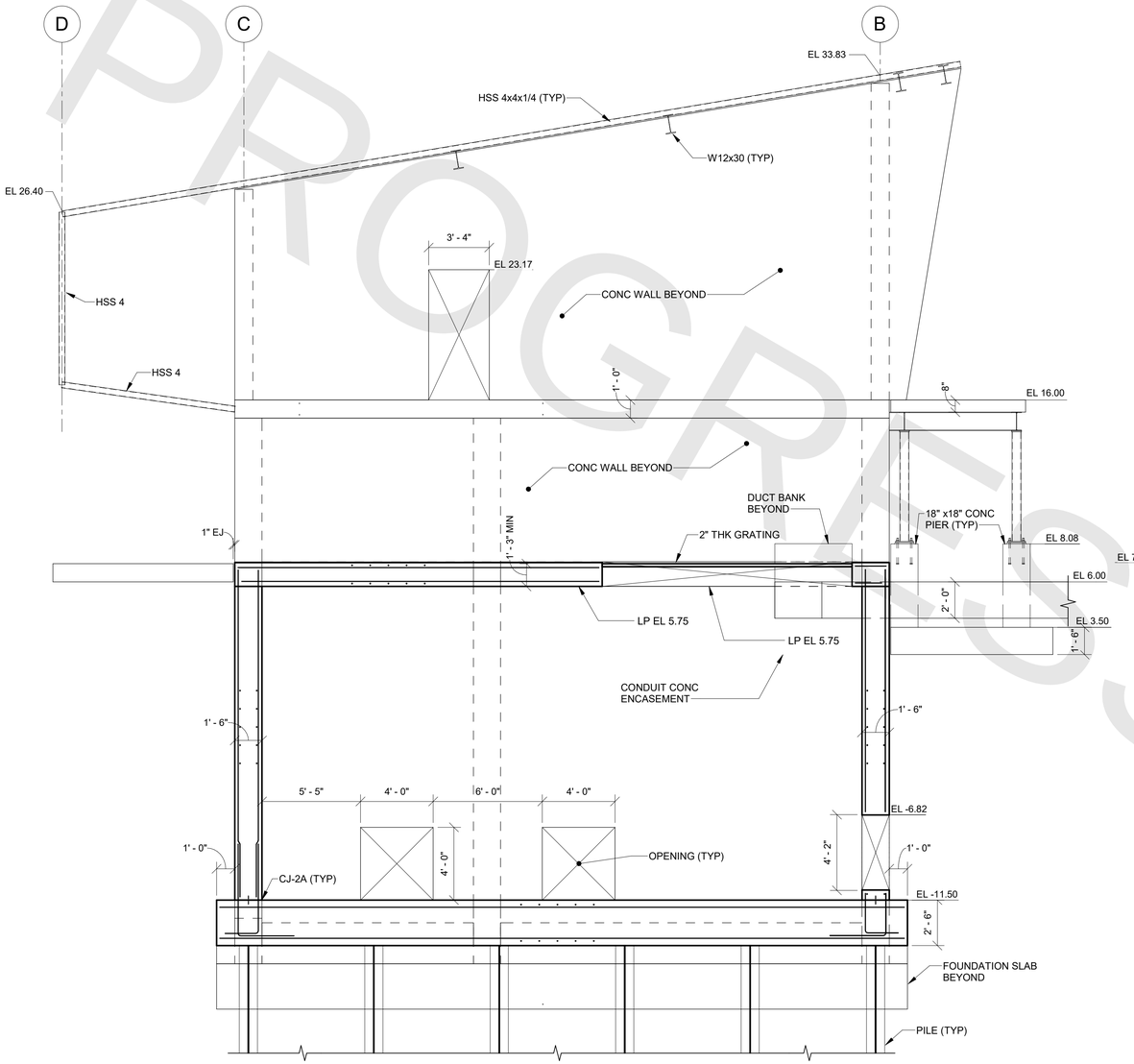
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

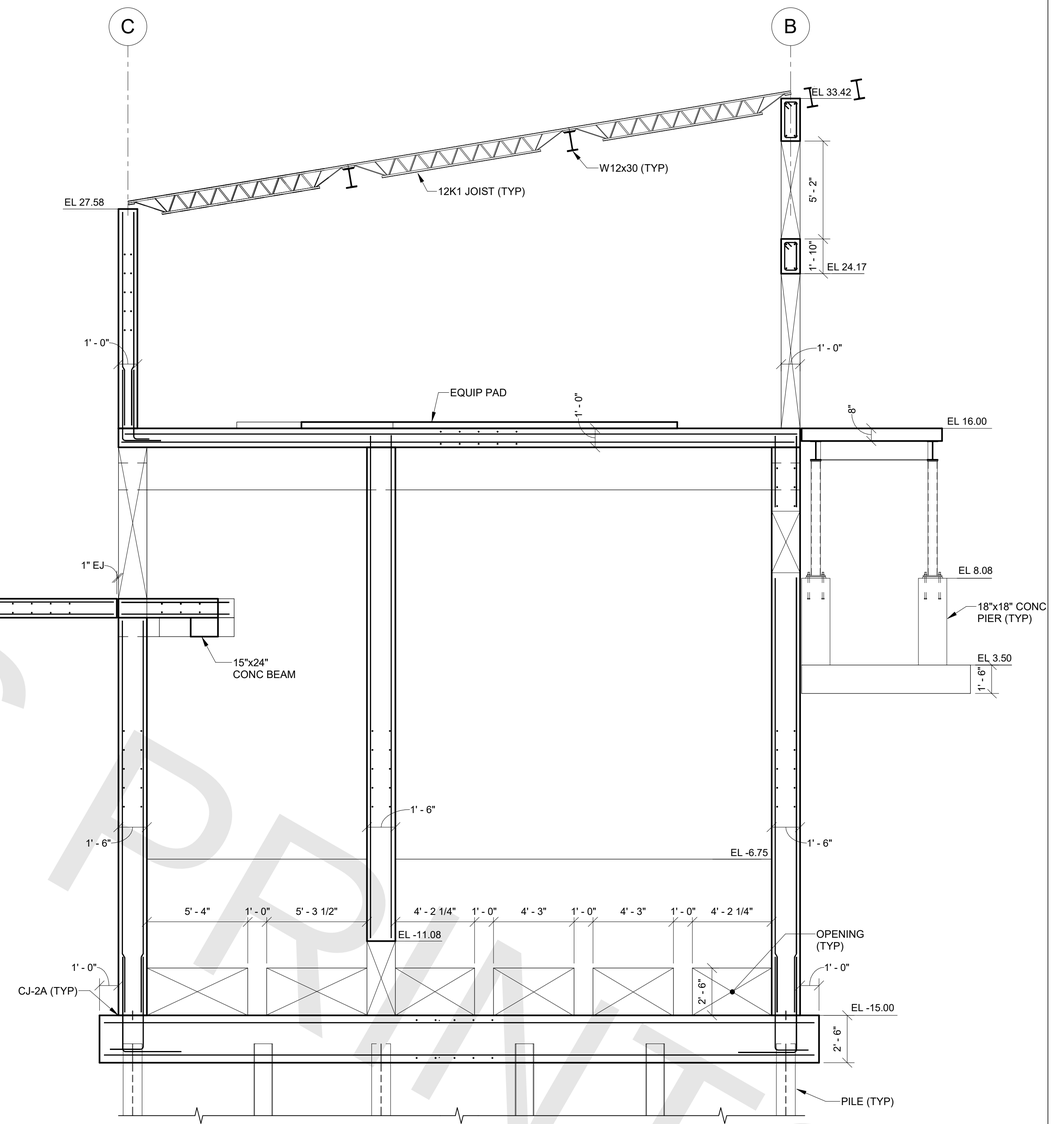
DRAWING TITLE: PUMP STATION SECTIONS - SHEET 2

PROJECT NO. 15-838
DRAWING NO. 18PS-S-10
SHEET NO.



3 SECTION
18PS-S-3 SCALE: 1/4" = 1'-0"

0' 2' 4' 8'



4 SECTION
18PS-S-3 SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

NOTE: PILE LAYOUT IS PROVISIONAL.

FINAL DESIGN REVIEW

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CB/ZS
CHECKED BY: KBP
SCALE IN FEET
1/4" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

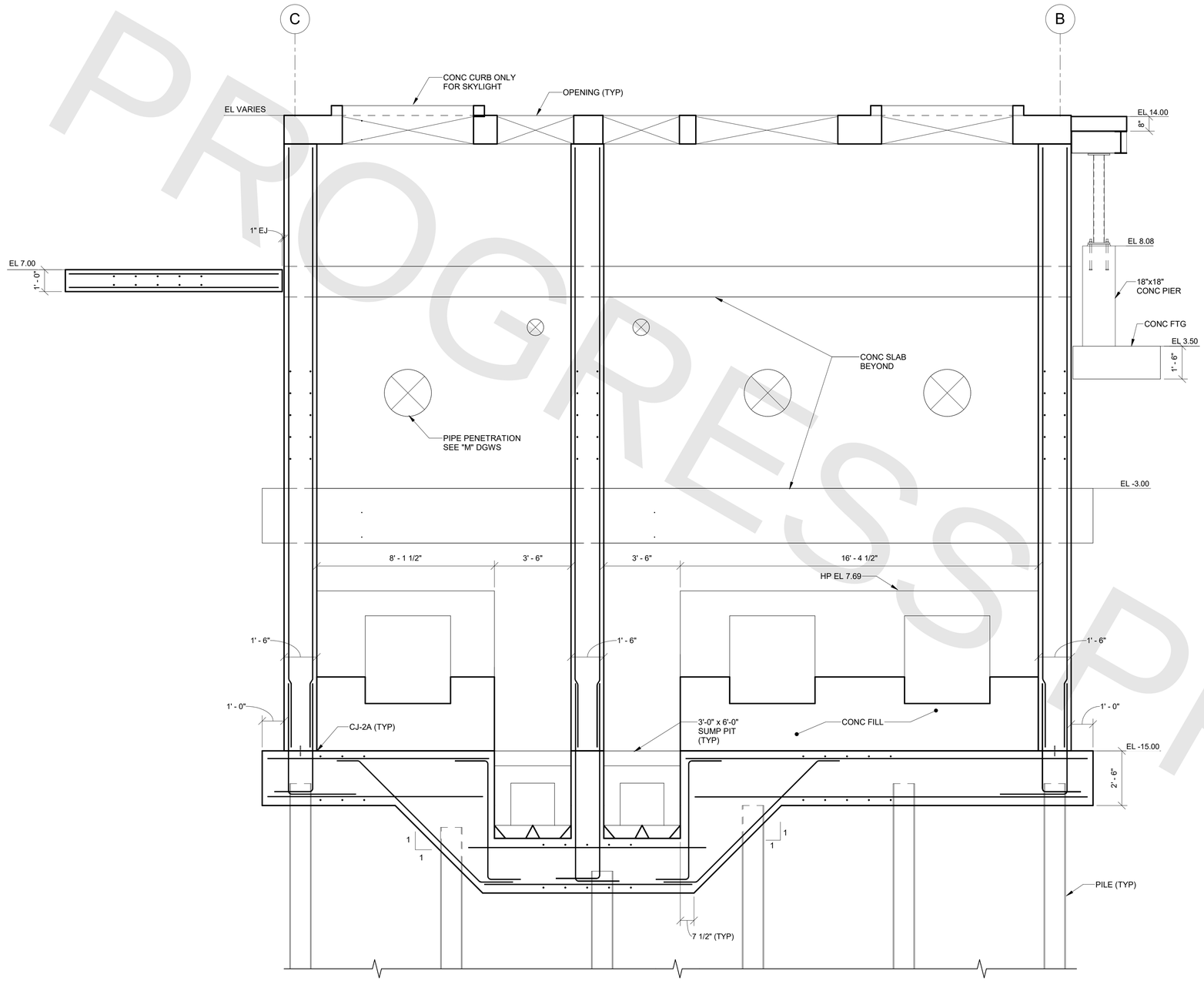
ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: PUMP STATION SECTIONS - SHEET 3

PROJECT NO. 15-838
DRAWING NO. 18PS-S-11
SHEET NO.



5 SECTION
18PS-S-3 SCALE: 3/8" = 1'-0"

0' 2' 4' 6'

NOTE: PILE LAYOUT IS PROVISIONAL.

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CB/ZS
CHECKED BY: KBP
SCALE IN FEET
3/8" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

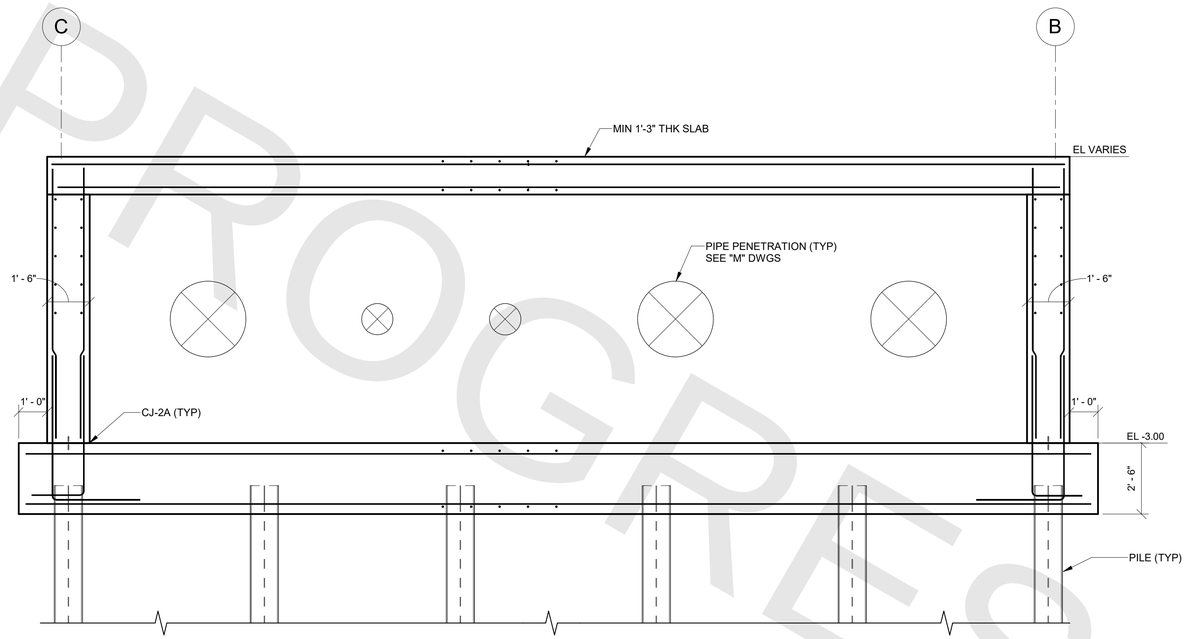
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: PUMP STATION SECTIONS AND DETAILS - SHEET 1

PROJECT NO. 15-838
DRAWING NO. 18PS-S-12
SHEET NO.



6 18PS-S-3 **SECTION**

SCALE: 3/8" = 1'-0"

0' 2' 4' 6'

NOTE: PILE LAYOUT IS PROVISIONAL.

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: Author

CHECKED BY: Checker

SCALE IN FEET

3/8" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
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ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

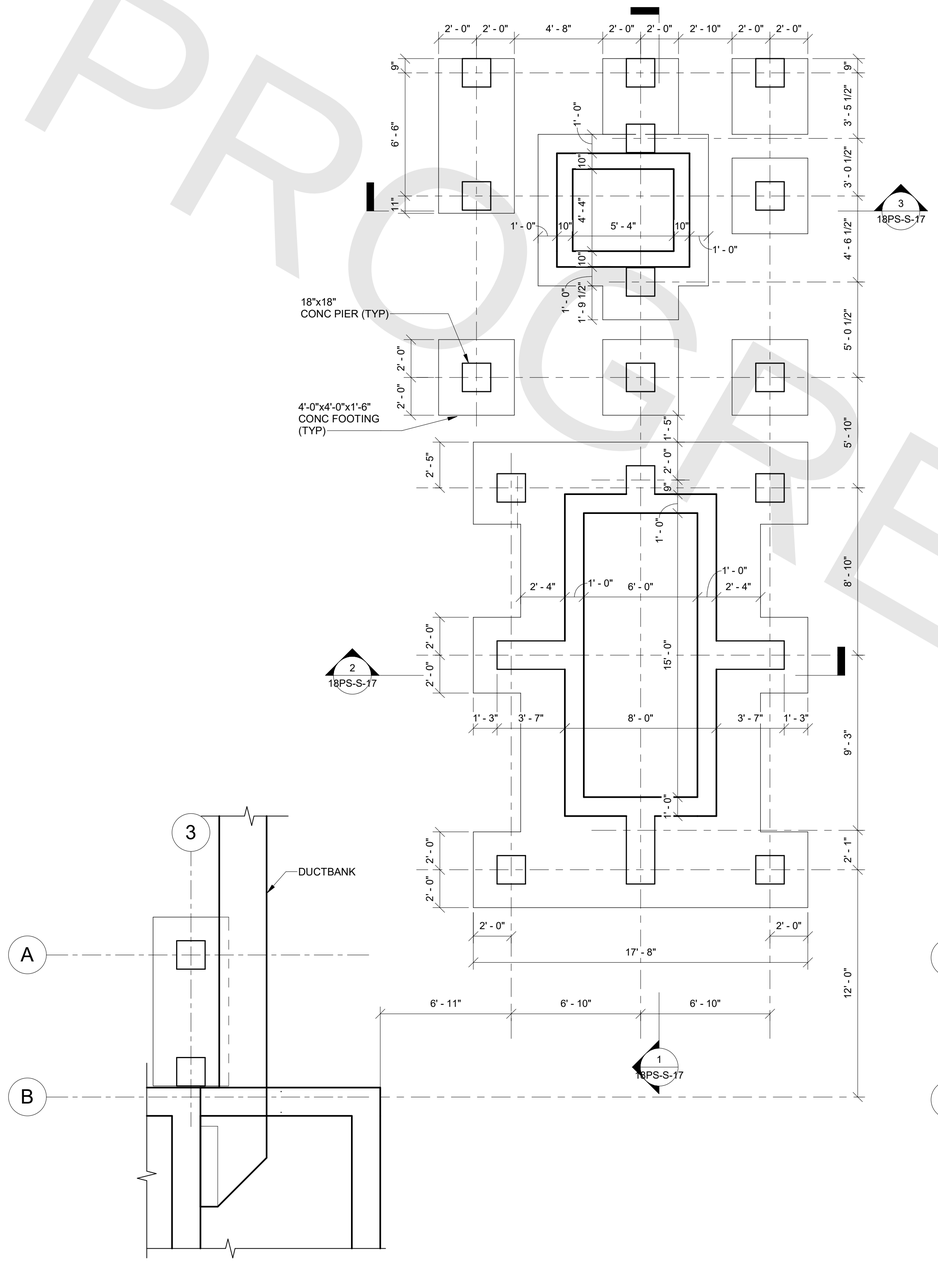
DRAWING TITLE: PUMP STATION SECTIONS AND DETAILS - SHEET 2

PROJECT NO. 15-838

DRAWING NO. 18PS-S-13

SHEET NO.

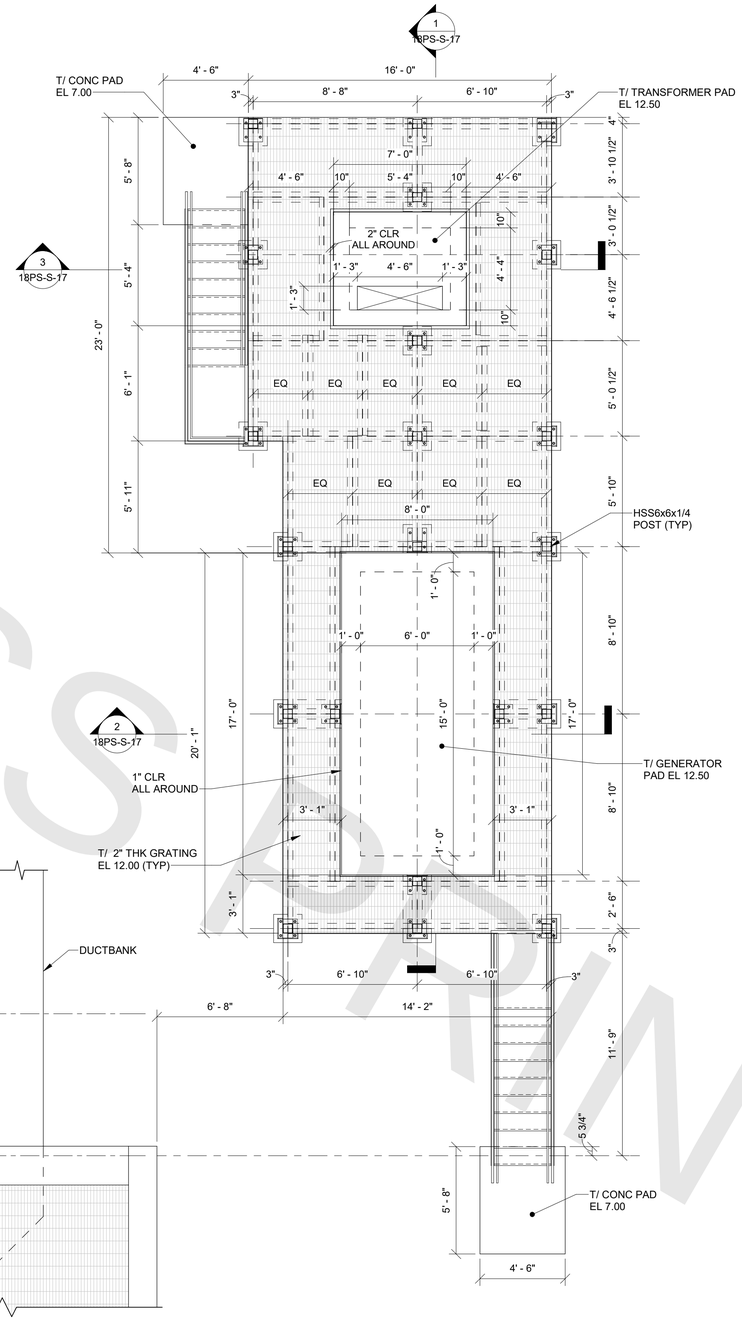
PROGRESS PRINTS



FOUNDATION PAD PLAN

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'



PAD PLAN

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: CB/ZS

CHECKED BY: KBP

SCALE IN FEET

1/4" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

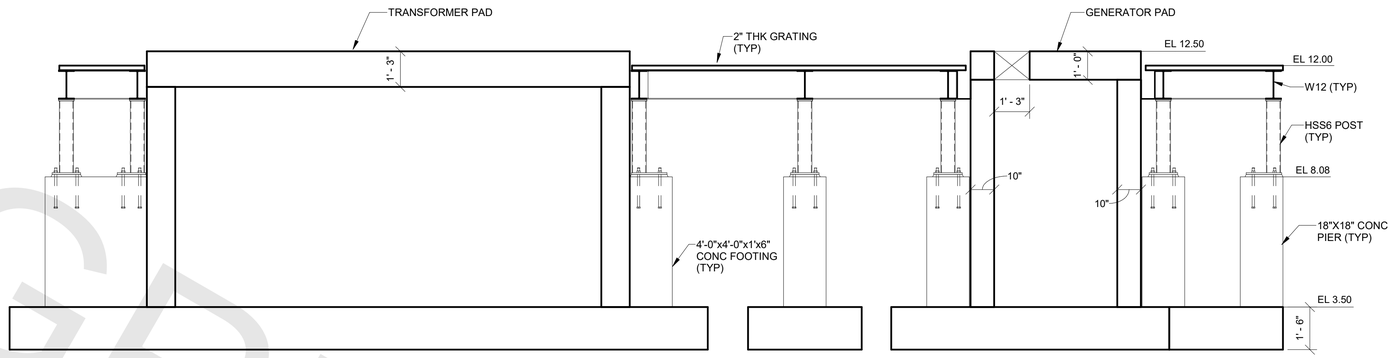
DRAWING TITLE: EQUIPMENT PAD PLAN

PROJECT NO. 15-838

DRAWING NO. 18PS-S-14

SHEET NO.

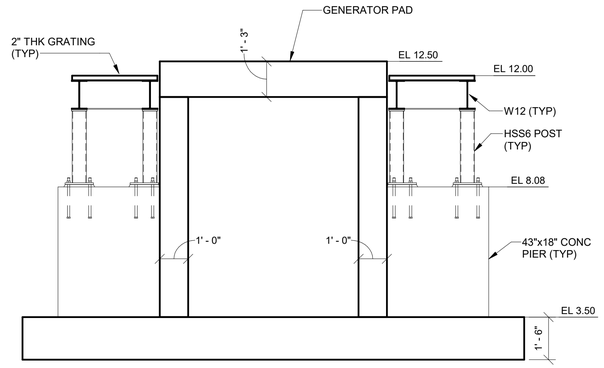
PROGRESS PRINTS



1 18PS-S-16 **SECTION**

SCALE: 3/8" = 1'-0"

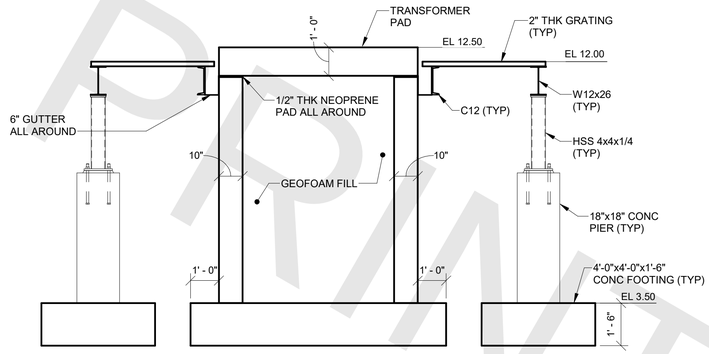
0' 2' 4' 8'



2 18PS-S-16 **SECTION**

SCALE: 3/8" = 1'-0"

0' 2' 4' 8'



3 18PS-S-16 **SECTION**

SCALE: 3/8" = 1'-0"

0' 2' 4' 8'

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CB/ZS

CHECKED BY: KBP

SCALE IN FEET

3/8" = 1'-0"

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

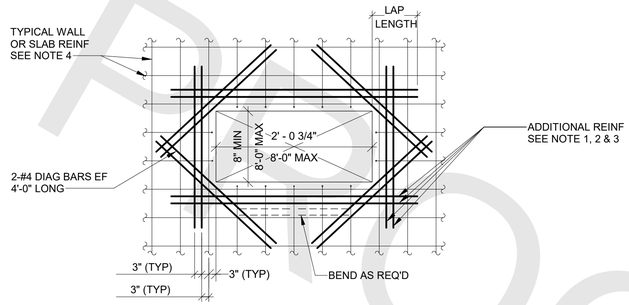
TOWN: BRIDGEPORT

DRAWING TITLE: EQUIPMENT PAD SECTIONS

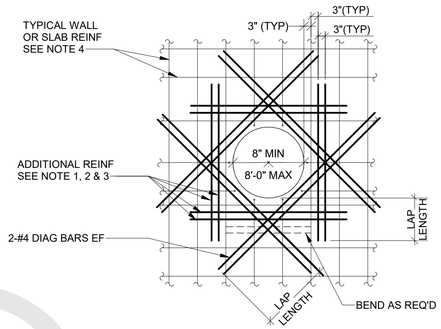
PROJECT NO. 15-838

DRAWING NO. 18PS-S-15

SHEET NO.



RECTANGULAR

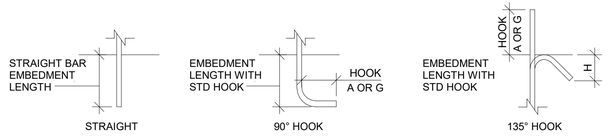


CIRCULAR

TYPICAL REINFORCING AROUND OPENING IN WALL AND SLAB NEW CONSTRUCTION

NOTES:

1. PROVIDE ADDITIONAL REINFORCEMENT AT EACH SIDE OF ALL OPENINGS, ACCESS HATCHES, PIPE PENETRATIONS, ETC. EQUAL IN AREA TO 1/2 OR MORE THE AREA OF REINFORCEMENT TO MATCH SIZE OF TYPICAL REINFORCEMENT (MIN. 2 BARS ES AND EF) AND PLACED BETWEEN TYPICAL REINFORCEMENT @ 3" SPACING ON EACH SIDE OF OPENING. IF A WALL OR BEAM IS ADJACENT TO THE OPENING, THE ADDITIONAL REINFORCEMENT ON THAT SIDE OF THE OPENING CAN BE OMITTED.
2. ANY OPENING 6" OR LESS TO AN ADJACENT WALL DOES NOT REQUIRE ADDITIONAL REINFORCEMENT AT THAT SIDE OF OPENING.
3. PROVIDE MATCHING DOWELS WHERE REQUIRED TO PROVIDE CLASS "B" LAP WITH ADDITIONAL REINFORCEMENT. (WHERE LAPPING OF ADDITIONAL REINFORCEMENT FROM ADJACENT OPENINGS OCCUR, ADDITIONAL REINFORCEMENT SHALL BE COMBINED).
4. PROVIDE STANDARD HOOK AT END OF ALL BARS TERMINATING AT OPENING.



REINFORCEMENT LAP SPLICE, EMBEDMENT LENGTH AND STANDARD HOOKS												
BAR SIZE	MIN LAP LENGTH FOR				MIN LAP EMBEDMENT LENGTHS				MIN STD. HOOKS			
	BEAMS AND COLUMNS* CLASS B		SLABS AND WALLS ** CLASS B		FOR BEAMS AND COLUMNS		FOR SLABS AND WALLS		WITH STD HOOKS	90°		135°
	TOP***	OTHERS	TOP***	OTHERS	TOP***	OTHERS	TOP***	OTHERS		A OR G	A OR G	H
#3	25	19	16	16	19	15	12	12	5	6	4	2.5
#4	33	25	20	16	25	19	15	12	7	8	4.5	3
#5	41	31	25	19	31	24	19	15	9	10	5.5	3.75
#6	49	37	29	23	37	29	23	18	10	12	8	4.5
#7	71	54	43	33	54	42	33	25	12	14	9	5.25
#8	81	62	49	37	62	48	37	29	14	16	10.5	6
#9	91	70	60	46	70	54	46	36	15	19	-	-
#10	102	79	74	57	79	61	57	44	17	22	-	-
#11	114	87	89	69	87	67	68	53	19	24	-	-

REINFORCEMENT LAP SPLICE, EMBEDMENT LENGTH AND STANDARD HOOKS TABLE IS BASED IN A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 4000 PSI AND A REINFORCEMENT STRENGTH OF 60000 PSI (WITH NO EPOXY COATING).

ALL LAPS SPLICES SHALL BE CLASS B SPLICES.

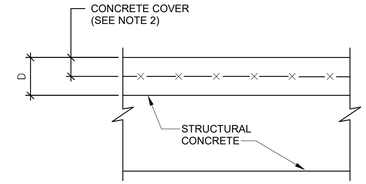
* THE MINIMUM LAP LENGTH FOR BEAMS, COLUMNS, AND STRAIGHT EMBEDMENTS ARE BASED ON A 3 BAR DIAMETER MINIMUM CENTER TO CENTER BAR SPACING AND A 2 INCH BAR COVER. IF THE SPLICE AND/OR EMBEDMENT DOES NOT CONFORM TO THESE REQUIREMENTS, THEN CONTRACTOR SHALL APPLY APPROPRIATE FACTORS IN COMPLIANCE WITH ACI 318 WITH PRIOR APPROVAL BY ENGINEER.

** THE MINIMUM LAP LENGTH FOR SLABS, WALLS AND STRAIGHT EMBEDMENTS ARE BASED ON A 6 INCH BAR SPACING AND A 2 INCH BAR COVER. IF THE LAP CONDITION DOES NOT CONFORM TO THESE REQUIREMENTS,THEN USE BEAM LAP LENGTHS; OR COMPLY WITH LAP REQUIREMENTS OF ACI 318 WITH APPROVAL BY ENGINEER.

*** TOP BARS ARE DEFINED AS ALL HORIZONTAL BARS, WITH 12" OR MORE OF FRESH CONCRETE BENEATH.

WHERE SPLICES ARE REQUIRED BETWEEN BARS OF DIFFERENT SIZES, THE LAP LENGTH SHALL BE NO LESS THAN THE EMBEDMENT LENGTH OF THE LARGER BAR OR THE LAP LENGTH OF THE SMALLER BAR, WHICHEVER IS GREATER.

REINFORCING LAP SPLICE AND EMBEDMENT LENGTH TABLE

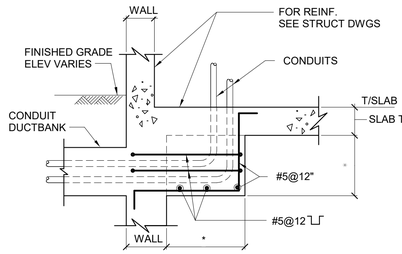


D	WWF
2" TO 4"	6x6 - W 1.4 x W 1.4
5" TO 8"	6x6 - W 2.0 x W 2.0
9" PLUS	6x6 - W 2.9 x W 2.9

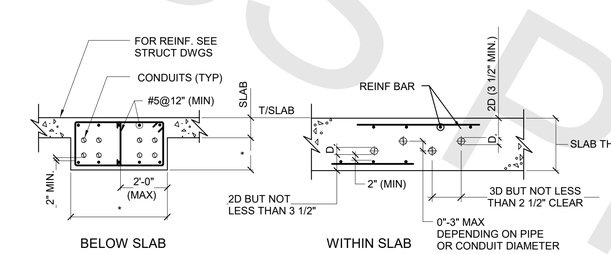
NOTES:

1. PROVIDE WWF IN CONCRETE FILL AS TABULATED, UNLESS OTHERWISE NOTED ON THE PLANS AND / OR SECTIONS.
2. COVER FOR WATER BEARING FILL: 2" MIN TO 3" MAX. COVER FOR NON WATER BEARING FILL: 1" MIN TO 2" MAX.

TYPICAL WWF FOR CONCRETE FILL



AT WALL



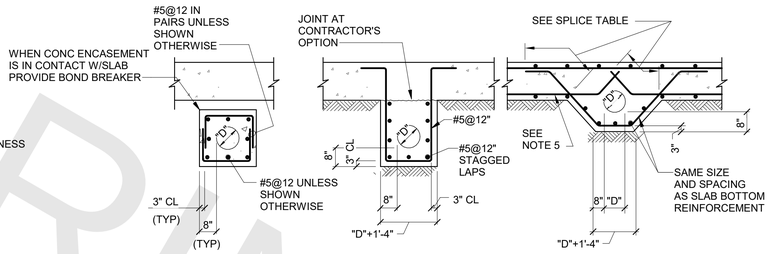
NOTE: * INDICATES DIMENSION AS REQUIRED FOR EQUIPMENT.

NOTE: D = PIPE OR CONDUIT O.D.

NOTES:

1. OUTSIDE DIMENSION (D) OF ANY EMBEDDED ITEM SHOULD NOT EXCEED 1/3 THE CONCRETE MEMBER THICKNESS. AT POINTS OF CROSSING CONDUITS/PIPES, OUTSIDE DIMENSION SHALL BE THE TOTAL OF CROSSING ITEMS.
2. SPACING REQUIREMENTS APPY TO CONDUITS/PIPE CROSSINGS AT 60° OR LESS.

TYPICAL CONDUIT ENCASEMENT DETAIL



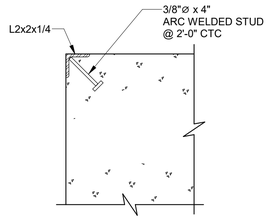
SOIL SUPPORTED STRUCTURES AND UNDER ROADWAYS

PILE SUPPORTED STRUCTURES

NOTES:

1. FOR PIPE DIAMETER AND ELEVATION, SEE CIVIL, MECHANICAL, HVAC AND PLUMBING DRAWINGS.
2. ALL PIPES LOCATED BENEATH STRUCTURES SHALL BE IN CONCRETE. ENCASEMENT SHALL EXTEND 5'-0" (MIN) BEYOND STRUCTURE.
3. PROVIDE COMPACTED SELECT FILL TO UNDERSIDE OF STRUCTURES.
4. CONCRETE PIPE ENCASEMENT SHALL BE CAST SEPARATELY FROM THE CONCRETE SLAB. PROVIDE BOND BREAKER OR LAYER OF SELECT FILL BETWEEN ENCASEMENT AND CONCRETE SLAB.
5. BOTTOM REINFORCEMENT TO BE CONTINUOUS WHERE POSSIBLE.

PIPE ENCASEMENT DETAILS



CONTROL GUARD DETAIL

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CB/ZS

CHECKED BY: KBP

SCALE IN FEET: As indicated

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE: **FLOOD RISK REDUCTION PROGRAM**

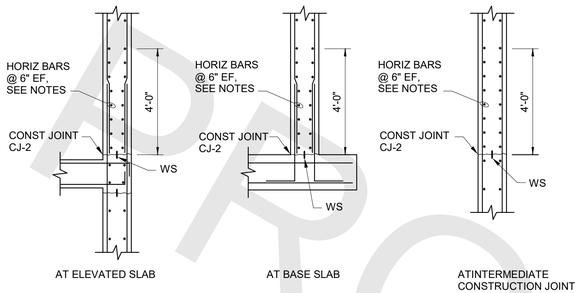
TOWN: BRIDGEPORT

DRAWING TITLE: TYPICAL DETAILS - I

PROJECT NO. 15-838

DRAWING NO. 18PS-S-16

SHEET NO.



AT ELEVATED SLAB | AT BASE SLAB | ATINTERMEDIATE CONSTRUCTION JOINT

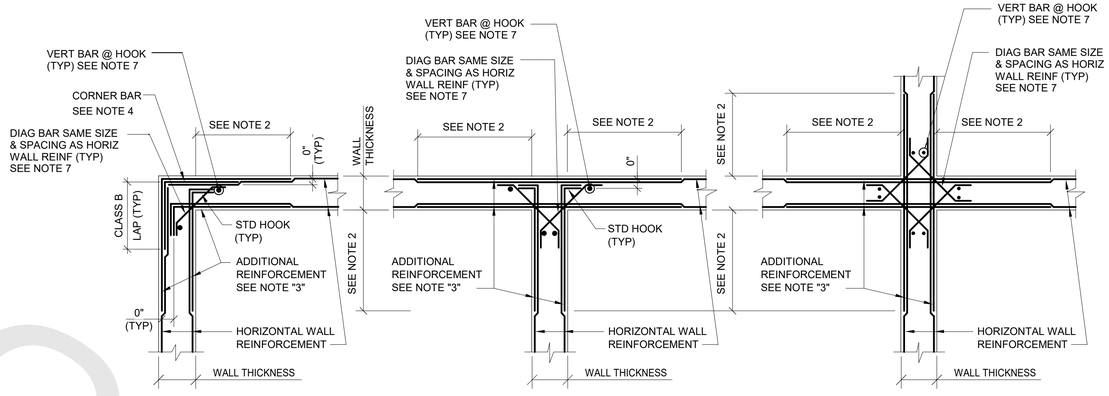
NOTES:

1. PROVIDE HORIZONTAL BARS AT 6" SPACING EACH FACE IN THE FIRST 4'-0" ABOVE ALL HORIZONTAL WALL CONSTRUCTION JOINTS IN LIQUID CONTAINING AND BELOW-GRADE STRUCTURES. WHERE TYPICAL WALL HORIZONTAL BARS ARE AT 12" SPACING, PROVIDE ADDITIONAL BARS FOR 6" SPACING.
2. HORIZONTAL BAR SIZE FOR THE 4'-0" ZONE SHALL BE THE TYPICAL WALL HORIZONTAL BAR SIZE SHOWN ON THE DRAWINGS OR THE MINIMUM BAR SIZE IN THE TABLE BELOW, WHICHEVER IS GREATER.

WALL THICKNESS (INCHES)	MINIMUM BAR SIZE
10	#5
12, 14	#6
16, 18, 20	#7
>22	#8

3. PROVIDE CORNER BARS AT 6" SPACING EACH FACE TO LAP WITH THE BARS SHOWN ABOVE

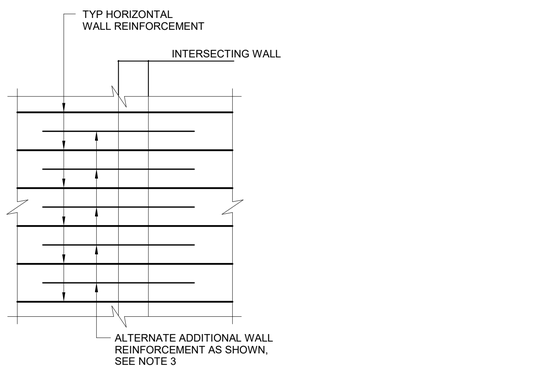
REINFORCING AT WALL CONSTRUCTION JOINT



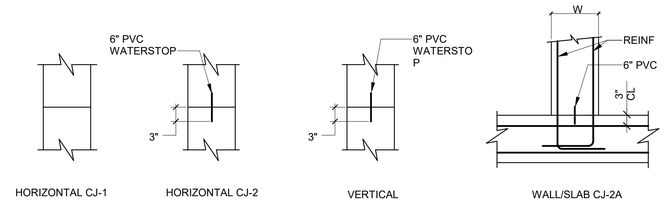
NOTES:

1. PROVIDE ADDITIONAL REINFORCING AT ALL WALL INTERSECTIONS AS SHOWN ABOVE UON ON DWGS.
2. DIMENSION TO BE 0.25 TIMES THE CLEAR SPAN DISTANCE BETWEEN WALL INTERSECTIONS MEASURED HORIZONTALLY, BUT NOT LESS THAN 4'-0", NOR GREATER THAN 8'-0".
3. ADDITIONAL REINFORCEMENT TO MATCH SIZE AND SPACING OF WALL HORIZONTAL REINFORCEMENT (UON). ALTERNATE ADDITIONAL REINFORCEMENT WITH HORIZONTAL WALL REINFORCEMENT.
4. PROVIDE CORNER BAR REINFORCING AT ALL WALL CORNERS AS SHOWN. CORNER BAR REINFORCEMENT TO MATCH SIZE AND SPACING OF WALL HORIZONTAL REINFORCEMENT.
5. WHERE LAPPING OF ADDITIONAL REINFORCEMENT FROM ADJACENT WALL INTERSECTION OCCURS, REINFORCEMENT SHALL BE COMBINED.
6. TYPICAL WALL INTERSECTION DETAILS ARE SHOWN AT 90 DEGREES, BUT ARE APPLICABLE FROM 60 TO 120 DEGREES.
7. DIAGONAL BAR IS ONLY REQUIRED FOR LIQUID CONTAINING STRUCTURES.

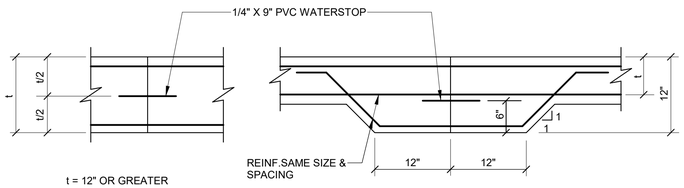
TYPICAL REINFORCEMENT DETAIL AT WALL INTERSECTIONS



TYPICAL WALL ELEVATION AT WALL INTERSECTION



CJ-3 (WITH WATERSTOP)
CJ-3A (WITHOUT WATERSTOP)



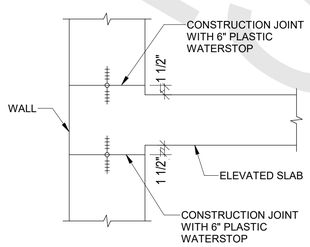
SLAB ON GRADE

CJ-4 (WITH WATERSTOP)
CJ-4A (WITHOUT WATERSTOP)

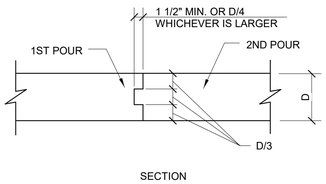
TYPICAL CONSTRUCTION JOINT DETAILS

NOTES:

1. CONTINUE ALL REINFORCEMENT BARS THRU JOINTS.
2. ALL WALL VERTICAL CONSTRUCTION JOINTS TO BE CJ-3 U.O.N.
3. * PLACE NEW CONCRETE STRUCTURE AFTER PVC WATERSTOP HAS BEEN GROUTER IN PLACE.



WALL CONSTRUCTION JOINT AT ELEVATED SLAB

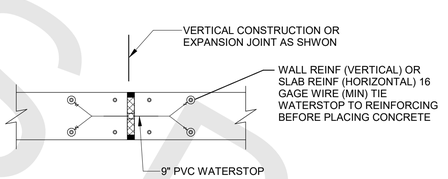


SECTION

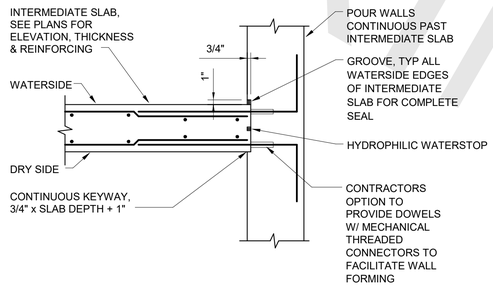
TYPICAL BEAM & STRUCTURAL SLAB CONSTRUCTION JOINT DETAIL

NOTES:

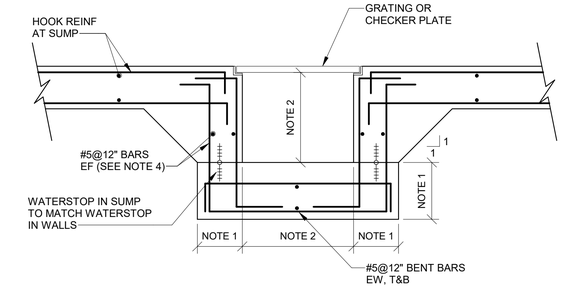
1. CARRY ALL REINFORCING THROUGH JOINT.
2. CONSTRUCTION JOINTS, WHEN REQUIRED, ARE TO BE LOCATED AT POINTS OF ZERO SHEAR, NO CONSTRUCTION JOINT WILL BE ALLOWED IN ANY BEAM OR SLAB CARRYING CONCENTRATED LOADS.



PVC WATERSTOP INSTALLATION DETAIL



SLAB CONSTRUCTION JOINT AT WALL



SUMP REINFORCING

NOTES:

1. MATCH THICKNESS OF BASE SLAB (T).
2. SEE PLANS AND SECTIONS FOR SUMP WIDTH AND DEPTH.
3. ALL REINFORCING TYPICAL UNLESS NOTED OTHERWISE.
4. MATCH SIZE AND SPACING OF WALL DOWELS WHERE SUMP IS ADJACENT TO WALL OF STRUCTURE. SUPPORT GRATING WITH A GS-3 SUPPORT ANGLE AT WALL OF STRUCTURE.

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: CB/ZS
CHECKED BY: KBP
SCALE IN FEET
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DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

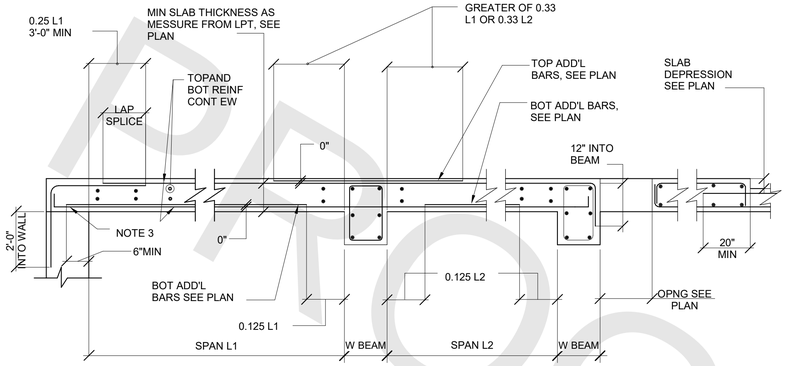
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

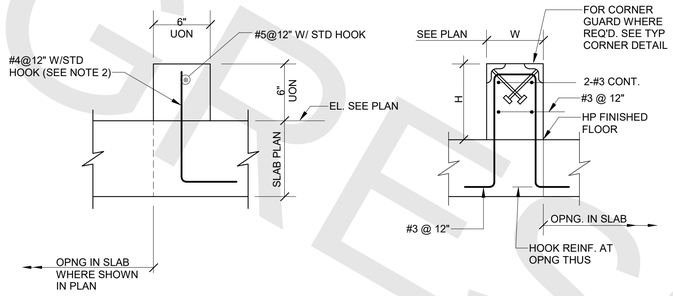
DRAWING TITLE: TYPICAL DETAILS - II

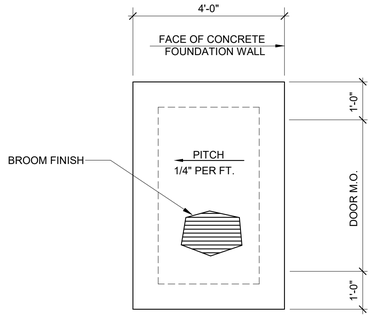
PROJECT NO. 15-838
DRAWING NO. 18PS-S-17
SHEET NO.



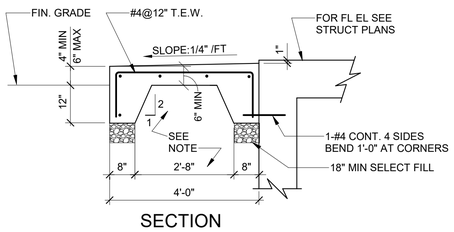
CONCRETE SLAB DETAIL

NOTES:
1. TOP BARS SPLICE AT MID-SPAN.
2. BOTTOM BARS SPLICE AT SUPPORTS.
3. HOOK BOTTOM CONTINUOUS BARS. IF STD HOOK DOES NOT FIT, ROTATE HOOK TO FIT AND/OR USE 180 DEG HOOK.





PLAN



SECTION

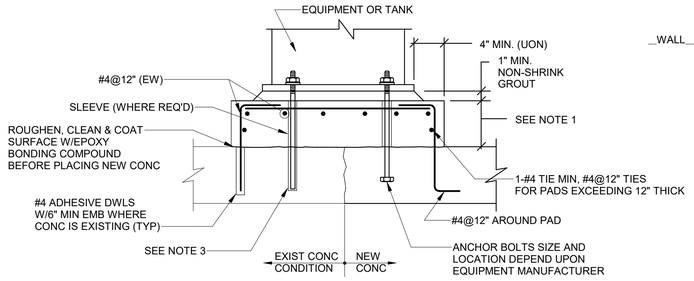
CONCRETE ENTRANCE PAD DETAIL

NOTE:
ALL PADS TO HAVE 3/4" CHAMFERS ON EXPOSED CORNERS.

TYPICAL CONCRETE CURB DETAILS

NOT TO SCALE

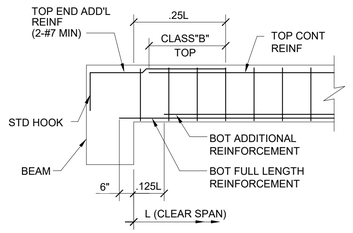
NOTES:
1. PROVIDE MINIMUM REINFORCED SHOWN ABOVE CURBS UON.
2. FOR EXISTING SLABS, DRILL HOLE DIAMETER AND DEPTH ON EXISTING SLAB PER MANUFACTURER'S REQUIREMENTS FOR ADHESIVE ANCHORAGE SYSTEM USED.
3. CURB TO BE 12" HIGH ALL HVAC EQUIPMENT.



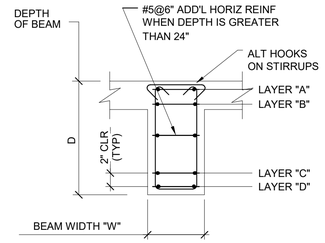
TYPICAL EQUIPMENT SUPPORT PAD DETAIL ON NEW OR EXISTING CONCRETE

NOTES:

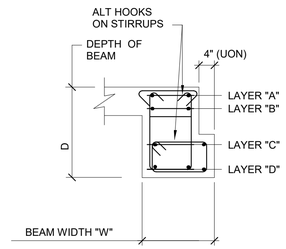
1. PROVIDE 4" MINIMUM CONCRETE SUPPORT PAD FOR ALL EQUIPMENT UNLESS OTHERWISE NOTED.
2. COORDINATE LOCATION AND SIZE OF PADS WITH OTHER DRAWINGS AND MANUFACTURER'S APPROVED SHOP FRAWINGS.
3. FOR EXISTING SLABS, DRILL HOLE DIAMETER AND DEPTH IN EXISTING SLAB PER EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR ADHESIVE ANCHORAGE SYSTEM USED.
4. SEE ELECTRICAL SHEETS FOR OTHER SPECIFIC ELECTRICAL EQUIPMENT PAD REQUIREMENTS EMBEDDED ITEMS.



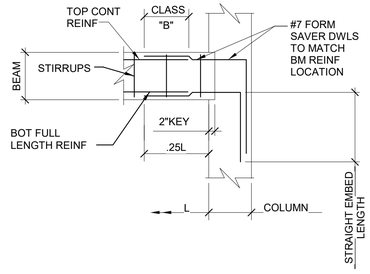
TYP BEAM TO BEAM



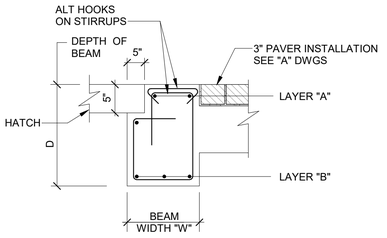
TYP BEAM SECTION



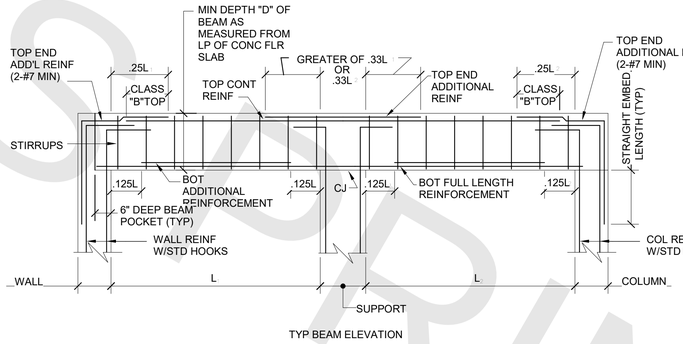
TYP STAIR BEAM SECTION



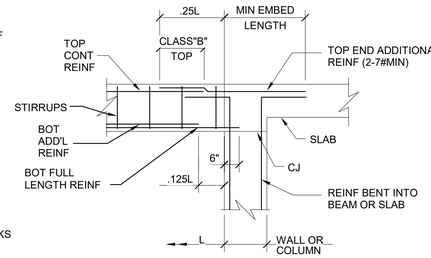
TYPICAL KEYED CONNECTION DETAIL
* USE ONLY AS NOTED ON THE SCHEDULE



TYP SECTION AT HATCH



TYP BEAM ELEVATION



TYP BEAM TO WALL/COLUMN WITH ADJACENT SLAB

REINFORCED CONCRETE BEAM DETAILS

TYPICAL CONCRETE BEAM NOTES:
1. UNLESS OTHERWISE NOTED, REINFORCING STEEL IS IN LAYERS (A) AND (D).
2. SEE PLAN AND SECTIONS FOR SPECIFIC BEAM REQUIREMENTS.
3. BOTTOM BARS ARE TO BE CONTINUOUS FROM BEAM POCKET TO BEAM POCKET.
4. FOR GENERAL CONCRETE NOTES, SEE SHT. S00-01.
5. PLACE FIRST STIRRUP AT 2" FROM SUPPORT FACE, EACH END.
6. WHERE BOTTOM BARS ARE NOTED TO BE CONTINUOUS, PROVIDE CLASS "B" LAP SPLICE CENTERED OVER SUPPORT.
7. WHERE TOP BARS ARE NOTED TO BE CONTINUOUS, PROVIDE CLASS "B" TOP LAP SPLICE CENTERED ON BEAM MIDSPAN.

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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75 Glen Rd. Sandy Hook, CT

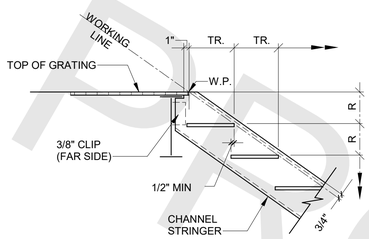
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

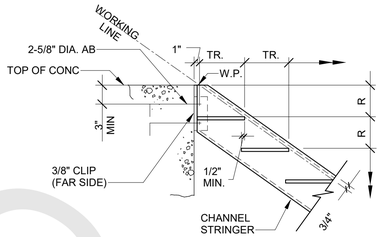
TOWN: BRIDGEPORT

DRAWING TITLE: TYPICAL DETAILS - III

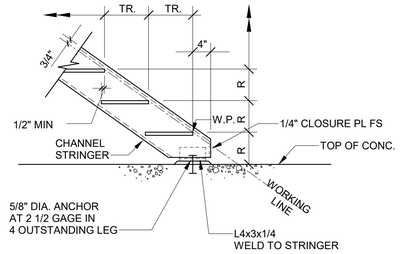
PROJECT NO. 15-838
DRAWING NO. 18PS-S-18
SHEET NO.



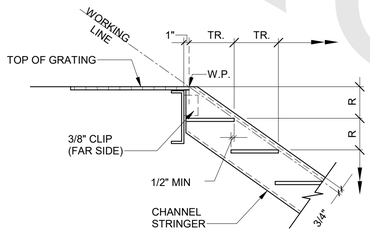
AT BEAM



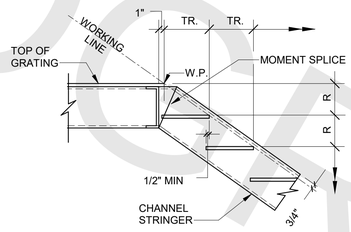
AT CONCRETE-TOP JOINT



AT CONCRETE

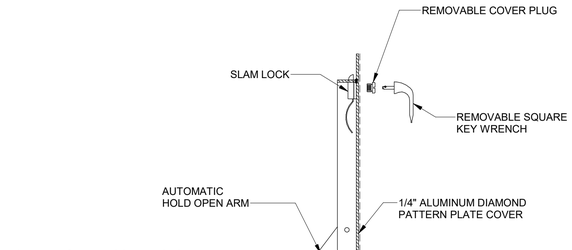


AT CHANNEL

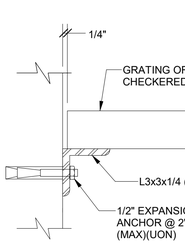


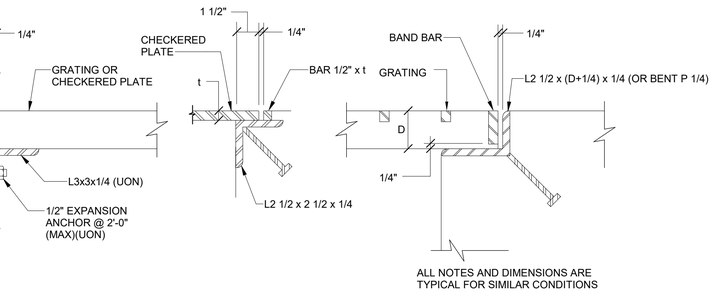
AT BENT STRINGER

STEEL STAIR DETAILS



ACCESS HATCH SECTION

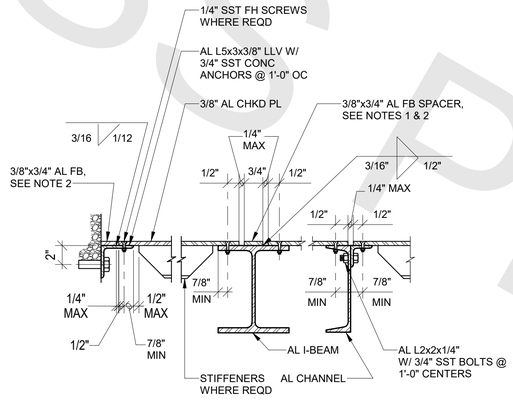




GRATING AND NON SKID PLATE SUPPORT DETAILS

NOTES:

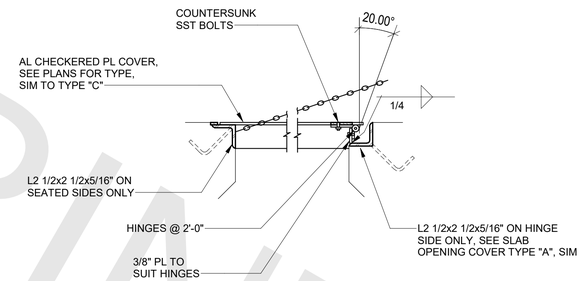
1. PROVIDE TYPICAL SUPPORT AS SHOWN FOR ALL GRATING AND PLATE SUPPORT.
2. PROVIDE SUPPORT ANGLE AND ANCHOR STUD OF THE SAME MATERIAL AS THE GRATING AND PLATE.



FLOOR PLATE SUPPORT FRAMING

NOTES:

1. PROVIDE AL FB 3/8" AT CL SUPPORT WHERE FLANGE WIDTH (OR FLANGE PLUS ANGLE) EXCEEDS 4".
2. TYPE "B" COVER SHOWN. DETAIL SIMILAR FOR TYPE "A" COVER. PROVIDE 1/2" THICK FLAT BAR SPACERS FOR TYPE "C" COVER.



CHECKERED ALUMINUM HINGED FLOOR PLATE

NOTES:

1. INSTALL SST CHAIN. TACK WELD OR BOLT TO PL AND FRAME. CHAIN TO STOP PL AT 20° PAST VERTICAL.
2. HINGES TO BE STAINLESS STEEL FULL MORTISE BUTT HINGES WITH STAINLESS STEEL BOLTS.
3. MAX WEIGHT TO BE 80 POUNDS.
4. SEE LIFTING EYE DETAILS AND PLANS FOR TYPE.

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

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SCALE IN FEET

As indicated

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:

FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

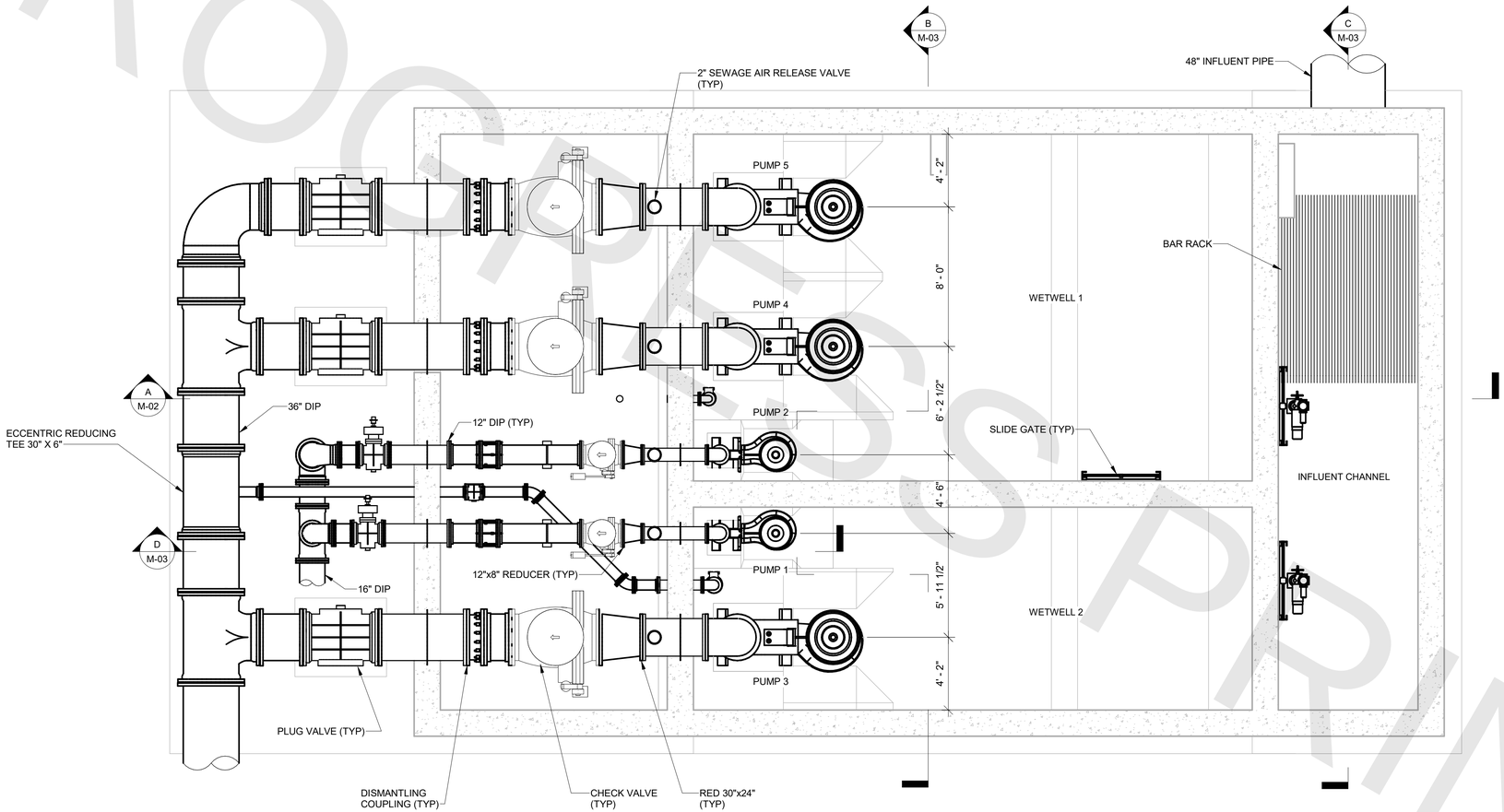
DRAWING TITLE: TYPICAL DETAILS - IV

PROJECT NO. 15-838

DRAWING NO. 18PS-S-19

SHEET NO.

PROGRESS PRINTS



PLAN

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FINAL DESIGN REVIEW

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REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: **Author**
CHECKED BY: **Checker**
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SCALE 1"=10'

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

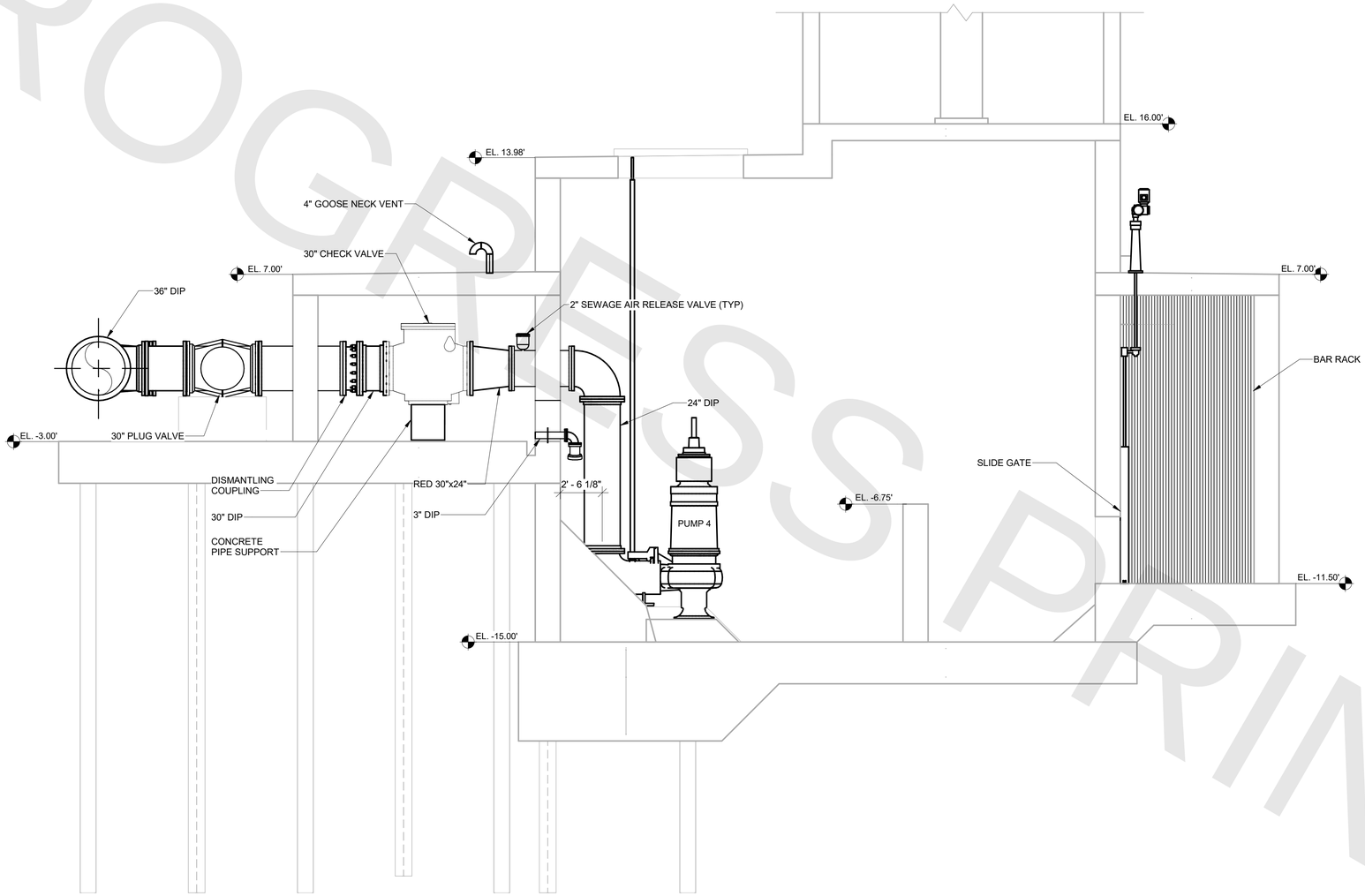
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: WETWELL AND VALVE VAULT PLAN

PROJECT NO. 15-383
DRAWING NO. **M-01**
SHEET NO.

PROGRESS PRINTS



A M-01 SECTION

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FINAL DESIGN REVIEW

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DESIGNER/DRAFTER: **BHUSHAN G**
CHECKED BY: **XXX**
SCALE IN FEET 0' 1" 2"
SCALE 1"=10'

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

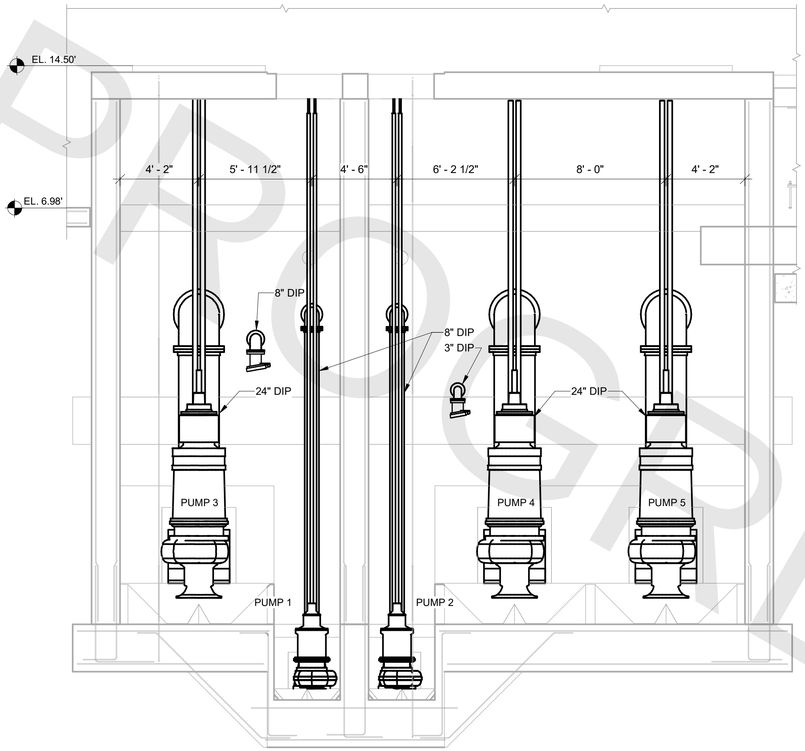
TOWN: BRIDGEPORT

DRAWING TITLE: WETWELL AND VALVE VAULT SECTION

PROJECT NO. 15-383

DRAWING NO. **M-02**

SHEET NO.



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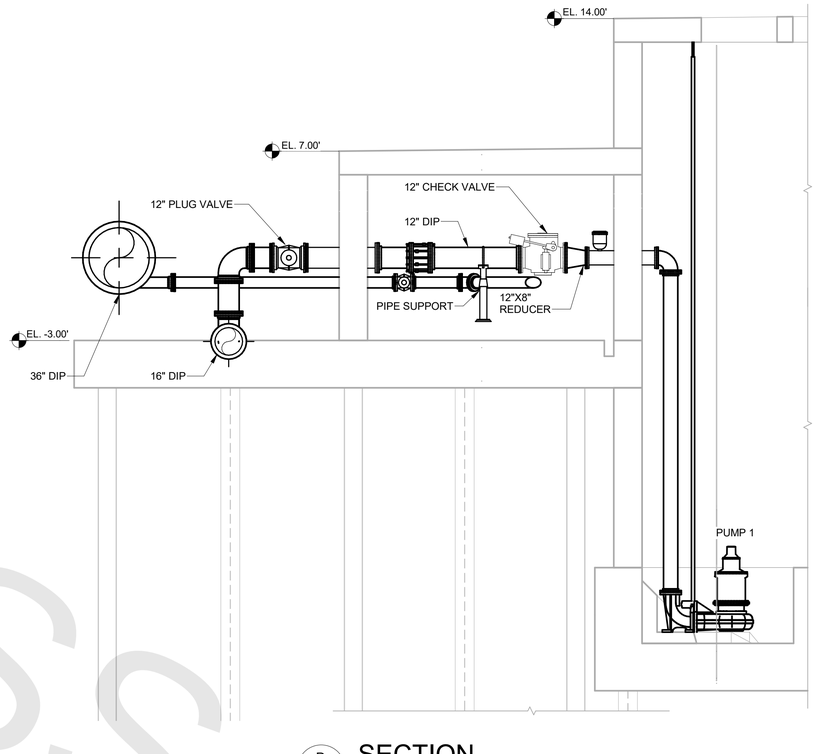

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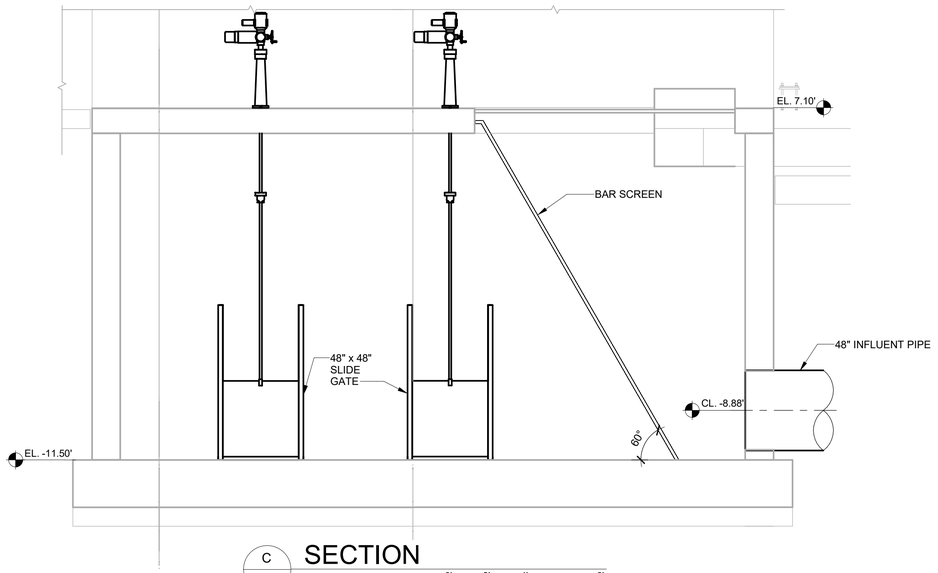

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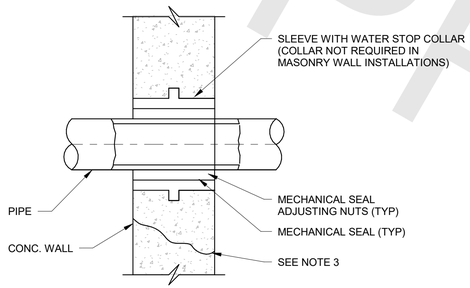
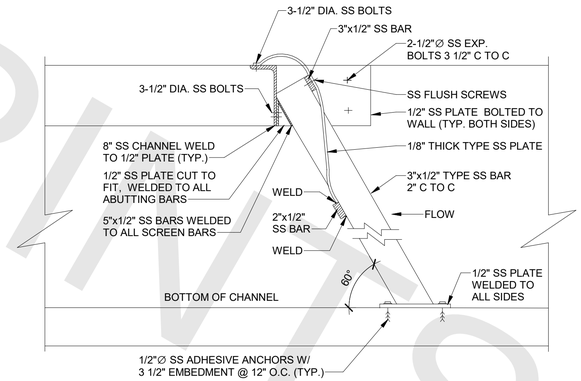


DETAIL NOTES:

1. DETAIL GENERALLY APPLIES TO CHEMICAL PIPES, AND TO PIPE GREATER THAN 4" DIAMETER.
2. BOTH SEALS SHALL BE INSTALLED TO ALLOW TIGHTENING FROM THE INTERIOR SIDE WHEN ONE SIDE IS BURIED OR SUBMERGED. SEAL EXTERIOR BURIED SIDE WITH FLEXIBLE CAULKING.
3. FOR INSTALLATION IN EXISTING WALLS, REMOVE CONCRETE BEYOND DIA. OF SLEEVE WITH ROUGH SURFACE. ADD HYDROPHILIC WATERSTOP CONTINUOUS. BEND EXIST REBAR AS REQUIRED (DO NOT CUT) AND FILL HOLE w/ CONCRETE.

TYPICAL WALL SLEEVE DETAILS

NOT TO SCALE



NOTES:
1. PROVIDE FABRICATED HAND HELD SCREENINGS RAKE FOR MANUAL CLEANING OF BAR RACK.
2. ALL SS BARS, PLATES, CHANNELS. SCREWS, ANCHORS AND BOLTS SHALL BE TYPE 316L.

MANUAL BAR RACK DETAIL

NOT TO SCALE

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
PROJECT NO. 15-383
DRAWING TITLE: WETWELL AND VALVE VAULT SECTION
DRAWING NO. M-03
SHEET NO.

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PROGRESS PRINTS

ELECTRICAL SYMBOLS

- MOTOR STARTER/CONTROLLER (NON–COMBINATION – COMBINATION – MANUAL) RV DENOTES REDUCED VOLTAGE
- LOCAL CONTROL PANEL WITH CONTROLLERS FURNISHED BY EQUIPMENT VENDOR.
- I–2 GF/SS — DUPLEX CONVENIENCE RECEPTACLE, 2 POLE, 3 WIRE, 120 VOLTS A.C. 20 AMP RECEPTACLE DESIGNATIONS, FIRST NUMBER DENOTES PANEL, SECOND NUMBER DENOTES CIRCUIT NUMBER. GF–DENOTES GROUND FAULT TYPE. SS–DENOTES SURGE SUPPRESSION TYPE
- SINGLE CONVENIENCE RECEPTACLE, 2 POLE, 3 WIRE. REFER TO DRAWINGS FOR AMPERE AND VOLTAGE RATING.
- POWER RECEPTACLE, 3 PHASE, 4 WIRE, 480V A.C. WITH DISCONNECT SWITCH. REFER TO DRAWINGS FOR AMPERE RATING.
- POWER RECEPTACLE, 2 POLE, 3 WIRE 250 VOLTS A.C. REFER TO DRAWINGS FOR AMPERE RATINGS
- 120 VOLT, 2 POLE, 3 WIRE, CLASS I, DIVISION 1 EXPLOSION–PROOF RECEPTACLE
- COMBINED INTERNET AND PHONE PORT
- S — POWER ON–OFF SNAP SWITCH, 1PH, 120V AC, 20A
- S^a — SINGLE POLE SWITCH – LOWER CASE LETTER DENOTES SWITCHING.
- S_2 — TWO POLE SWITCH
- S_3 — THREE–WAY SWITCH
- S_4 — FOUR–WAY SWITCH
- S_M — HORSEPOWER RATED SWITCH, SINGLE PHASE
- S_{LV} — CONTACTOR SWITCH
- S_T — LINE VOLTAGE TIMER SWITCH
- S_D — LINE VOLTAGE DIMMER SWITCH
- OS — LINE VOLTAGE OCCUPANCY SENSOR
- MS — TWO OR THREE POLE MANUAL STARTER, 20A
- LP1–2 / J / 10 — LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER (LP1–2). CROSS LINES INDICATE NUMBER OF CONDUCTORS. HALF HASH MARKS INDICATES NEUTRAL. NUMBER DENOTES WIRE SIZE WHEN NOT #12 AWG. CONTINUE CONDUIT AND WIRE RUN FROM BOX TO DEVICE IN ROOM OR AREA AS NOTED BY BRANCH CIRCUIT NUMBER #10 AWG WIRING SHALL BE USED FOR RUNS BETWEEN PANEL AND FIRST LIGHTING FIXTURE OR RECEPTACLE EXCEEDING 50 FT, UNLESS OTHERWISE NOTED ON DRAWING.
- INDICATES GROUND CONDUCTOR
- C30–1 — INDICATES HOMERUN AND CONDUIT TAG; REFER TO ONE LINE AND BLOCK DIAGRAMS
- XX–PANEL 20LP1–15 — PANEL, DEVICE OR EQUIPMENT DESIGNATION, PANEL SHOWN WITH ASSOCIATED SUPPLY PANEL AND CIRCUIT NUMBER, UNLESS NOTED OTHERWISE, PROVIDE A 3/4"C–3#12 FOR EACH SUPPLY PANEL TO PANEL, DEVICE OR EQUIPMENT AS REQUIRED.
- PUSHBUTTON STATION
- PUSHBUTTON STATION WITH LOCK–OUT FEATURE
- SELECTOR SWITCH
- INDICATING LIGHT
- CS — CONTROL STATION
- HOA / LOR — HAND–OFF–AUTO SELECTOR SWITCH CONTROL STATION
- LOCAL–OFF–REMOTE SELECTOR SWITCH CONTROL STATION
- DEVICE LOCATED IN FIELD AT OR NEAR MOTOR
- DEVICE LOCATED IN CONTROL PANEL
- VCS 60/40 — CONTROL STATION FURNISHED BY EQUIPMENT VENDOR
- A AS — AMMETER – AMMETER SWITCH
- V VS — VOLTMETER – VOLTMETER SWITCH
- F 60/40 — LINE SWITCH DISCONNECT – UNFUSED OR FUSED F DENOTES FUSING, ONLY WHERE INDICATED. FIRST NUMBER DENOTES SWITCH AMP RATING. SECOND NUMBER DENOTES FUSE SIZE WHEN PROVIDED.
- T OR TB — TERMINAL BOX; SIZE AS REQUIRED BY N.E.C. AND TO ACCOMMODATE ALL TERMINATIONS ON TERMINAL BLOCKS. TERMINATIONS TO INCLUDE SPARE WIRING.
- 30LP2–2 / HT — JUNCTION BOX FOR SELF REGULATING HEAT TRACING. CIRCUIT NUMBER INDICATED
- MMD — MULTI FUNCTIONAL METERING DEVICE
- LA — G — LIGHTNING ARRESTOR
- PB — PULL BOX; SIZE AS REQUIRED BY N.E.C.
- K1 — LOCK FOR RESPECTIVE KEY INTERLOCK WITH KEY CAPTIVE IN LOCK
- OT — OVERTEMPERATURE DEVICE
- M 5 — ELECTRIC MOTOR (NUMBER INDICATES HORSEPOWER).
- PROVIDE CHANNEL SUPPORT. FOR 120 VOLT BRANCH CIRCUIT MOTORS, NUMERALS DENOTES DISTRIBUTION OR LIGHTING PANEL AND BRANCH CIRCUIT NUMBER.
- MV — MOTORIZED VALVE WITH CONTROLLER
- MD — MOTORIZED DAMPER WITH CONTROLLER
- GROUND TEST POINT
- GROUND ROD
- GROUND GRID CABLE CONNECTION
- G — GROUND
- #4/0 GROUND CABLE BURIED 2'–6" BELOW GRADE
- PFD — FUSE–PFD DENOTES PULL FUSE DISCONNECT TYPE
- PC — PHOTOCELL
- 1–3 / a — LED LIGHTING FIXTURE – SURFACE OR PENDANT MOUNTED. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE. FIRST NUMERAL DENOTES LIGHTING PANEL (LP1), SECOND NUMBER DENOTES BRANCH CIRCUIT NUMBER. LOWER CASE LETTER DENOTES SWITCHED CIRCUIT.
- 1–3 — LED LIGHTING FIXTURE WITH BATTERY PACK – SURFACE OR PENDANT MOUNTED. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE. FIRST NUMERAL DENOTES LIGHTING PANEL (LP1), SECOND NUMBER DENOTES BRANCH CIRCUIT NUMBER.
- LED LIGHTING FIXTURE – CEILING MOUNTED. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE. FIRST NUMERAL DENOTES LIGHTING PANEL (LP1), SECOND NUMBER DENOTES BRANCH CIRCUIT NUMBER. LOWER CASE LETTER DENOTES SWITCHED CIRCUIT.
- CEILING OR PENDANT MOUNTED LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE.
- CEILING OR PENDANT MOUNTED LIGHTING FIXTURE WITH QUARTZ BACKUP. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE.
- WALL MOUNTED LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE.
- POLE OR STANCHION MOUNTED LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE.
- TWO (2) POLE OR STANCHION MOUNTED LIGHTING FIXTURES
- GF — POLE MOUNTED FIXTURE WITH GF RECEPTACLE
- EM — 2 LAMP SELF CONTAINED DC EMERGENCY LIGHTING UNIT. SEE LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION. LETTER DENOTES FIXTURE TYPE. CONNECT TO ROOM LIGHTING CIRCUIT AHEAD OF SWITCH.
- EMERGENCY LIGHT FIXTURE REMOTE HEAD
- EXIT SIGN, BATTERY BACKUP TYPE. CONNECT TO ROOM LIGHTING CIRCUIT AHEAD OF SWITCH
- VFD — VARIABLE FREQUENCY DRIVE
- J OR JB — JUNCTION BOX; SIZE AS REQUIRED BY N.E.C.
- CT — CURRENT TRANSFORMER
- POTENTIAL TRANSFORMER
- 100 / 30 / 2P — (FRAME SIZE) / (TRIP SIZE) — THERMAL–MAGNETIC BREAKER 2P DENOTES 2 POLE
- E — LOW VOLTAGE DRAW–OUT POWER CIRCUIT BREAKER ELECTRICALLY OPERATED.
- SST — 800/800 (FRAME SIZE)/(SENSOR RATING) (600P) DENOTE PLUG RATING — DRAWOUT POWER CIRCUIT BREAKER WITH RMS TYPE SOLID STATE TRIP
- 7 / MCP — (CONTINUOUS RATING) (MOTOR CIRCUIT PROTECTOR) — AC COMBINATION FULL VOLTAGE NON–REVERSING STARTER WITH MAGNETIC BREAKER
- 100 / MCP — (CONTINUOUS RATING) (MOTOR CIRCUIT PROTECTOR)
- RVSS — AC COMBINATION REDUCED VOLTAGE SOLID STATE NON–REVERSING STARTER WITH MAGNETIC BREAKER
- 1–24 — UNIT HEATER–NUMERAL DENOTES LIGHTING PANEL AND BRANCH CIRCUIT NUMBER
- T — THERMOSTAT
- AIR INTERRUPTER SWITCH WITH FUSING WHERE NOTED
- TRANSFORMER– TYPE AND SIZE AS NOTED ON THE THE DRAWINGS AND IN SPECIFICATIONS
- SUBMERSIBLE CABLES BY VENDOR
- D / 150 / 10'–0"AFF — FIXTURE DESIGNATION SYMBOL. SEE LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND TYPE. ALL FIXTURES SHOWN IN A ROOM WITH THIS SYMBOL SHALL BE OF TYPE INDICATED BY LETTER; NUMBER IN SYMBOL INDICATES LAMP WATTAGE AND NUMBER OF LAMPS WHERE MORE THAN ONE (UNLESS OTHERWISE NOTED). NUMBER BELOW SYMBOL INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR OR AS NOTED.
- INDICATES NEW EQUIPMENT/CONDUIT
- INDICATES EXISTING EQUIPMENT/CONDUIT
- INDICATES CONCEALED OR UNDERGROUND EQUIPMENT/CONDUIT
- SSC — INDICATES AUTOMATIC TRANSFER SWITCH WITH SOLID STATE CONTROLS AND ACCESSORIES

INSTRUMENTS

- PS 123 — INSTRUMENT DEVICE: LETTERS IDENTIFY DEVICE FUNCTION, NUMBERS WHERE INDICATED DENOTE LOOP NUMBER
- PC — PRESSURE CONTROLLER
- PS — PRESSURE SWITCH (PSH DENOTES PRESSURE SWITCH HIGH AND PSL DENOTES PRESSURE LOW)
- dPSH — DIFFERENTIAL PRESSURE SWITCH (dPSH DENOTES PRESSURE SWITCH HIGH AND dPSL DENOTES PRESSURE SWITCH LOW)
- CSH — DIAPHRAGM LEAK DETECTOR
- HS — HIGH SPEED SWITCH
- FS — FLOW SWITCH (FSH DENOTES FLOW SWITCH HIGH AND FSL DENOTES FLOW SWITCH LOW)
- ZS — LIMIT SWITCH
- PIT — PRESSURE TRANSMITTER (I DENOTES INDICATING TYPE)
- VIT — VIBRATION TRANSMITTER (I DENOTES INDICATING TYPE)
- A — INDICATING LIGHT LETTER "A" DENOTES AMBER COLOR LETTER "R" DENOTES RED COLOR
- AIT — ANALYSIS INDICATING TRANSMITTER (AE DENOTES ANALYSIS ELEMENT)
- TIT — TEMPERATURE TRANSMITTER (TE DENOTES TEMPERATURE ELEMENT)
- TS — TEMPERATURE SWITCH (TSH DENOTES TEMPERATURE SWITCH HIGH AND TSL DENOTES TEMPERATURE SWITCH LOW)
- LS — LEVEL SWITCH (LSH DENOTES LEVEL SWITCH HIGH AND LSL DENOTES LEVEL SWITCH LOW)
- MV — MOTORIZED VALVE
- SV — SOLENOID VALVE
- ZC — STROKE POSITIONER
- LIT — LEVEL INDICATING TRANSMITTER (LE DENOTES LEVEL ELEMENT)
- FIT — FLOW INDICATING TRANSMITTER (FE DENOTES FLOW ELEMENT)
- SL — STROBE LIGHT

GENERAL NOTES

1. THE SYMBOLS AND ABBREVIATIONS LIST ON THIS SHEET IS A COMPREHENSIVE STANDARD GUIDE INTENDED FOR GENERAL USE ON ALL PROJECTS. THEREFORE NOT ALL THE SYMBOLS AND ABBREVIATIONS CONTAINED IN THIS LIST ARE NECESSARILY USED ON THIS PARTICULAR PROJECT AND SHOULD BE USED FOR CLARIFICATION ONLY.
2. PROVIDE JUNCTION BOX FOR ANY DEVICE WITH PIG TAIL SUCH AS SOLENOID VALVES, LIMIT SWITCHES, SMOKE DETECTORS AND ETC. FOR PROPER ELECTRICAL CONNECTION. PROVIDE ALL HARDWARE FOR MOUNTING OF JUNCTION BOX.
3. PROVIDE INDEPENDENT SUPPORT FOR DISCONNECT SWITCHES, CONTROL STATIONS, BOXES, PANELS, ETC. WHERE NO WALLS OR OTHER STRUCTURAL SURFACE EXISTS.
4. EQUIPMENT SIZES AND LOCATIONS ARE APPROXIMATE. ACTUAL DIMENSIONS TO BE DETERMINED BY EQUIPMENT FURNISHED.
5. ALL WORK AT THE PROJECT SITE SHALL BE IN ACCORDANCE WITH JOB CONDITIONS SPECIFIED IN SECTION 26 05 05.

MISCELLANEOUS SPECIAL SYSTEMS

- ACP — ALARM CONTROL PANEL
- FACP — FIRE ALARM CONTROL PANEL
- F — FIRE ALARM SYSTEM STROBE LIGHT/HORN COMBINATION
- F — FIRE ALARM SYSTEM MANUAL PULL STATION
- XX — SPEAKER HORN H = HORN PS = PAGING SPEAKER C = CEILING MOUNTED SPEAKER
- A/V — AUDIO VISUAL DEVICE
- A/V–S — AUDIO VISUAL STATION
- R — ALARM BEACON

ABBREVIATIONS

AC	ALTERNATING CURRENT	MTS	MANUAL TRANSFER SWITCH
AFF	ABOVE FINISH FLOOR	NA	NON–AUTOMATIC
AFG	ABOVE FINISHED GRADE	NCTC	NORMALLY CLOSED, TIMED TO CLOSE
ARS	ARC REDUCTION SWITCH	NCTO	NORMALLY CLOSED, TIMED TO OPEN
ATC	AUTOMATIC TEMPERATURE CONTROL PANEL	NOTC	NORMALLY OPEN, TIMED TO CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NOTO	NORMALLY OPEN, TIMED TO OPEN
AWG	AMERICAN WIRE GAUGE	NTS	NOT TO SCALE
BKR	BREAKER	OL'S	MOTOR OVERLOAD HEATERS
C	CONDUIT	OT	OVER TEMPERATURE
CBV	CABLE BY VENDOR, INSTALLED BY CONTRACTOR	PB	PULL BOX
CKT	CIRCUIT	PFD	PULL FUSE DISCONNECT
CNT	CONTROL	PNL	PANEL
CP	CONTROL PANEL	PP	POWER PANEL
CPT	CONTROL POWER TRANSFORMER	PT	POTENTIAL TRANSFORMER
CT	CURRENT TRANSFORMER	PWR	POWER
DN	DOWN	R1	RELAY #1
DP	DISTRIBUTION PANEL	RECEP	RECEPTACLE
EC	EMPTY CONDUIT	RVNR	REDUCED VOLTAGE NON–REVERSING
EF	EXHAUST FAN	(S) (SH)	SHIELDED CABLE
EL	ELEVATION	SP	SPARE
EW	EACH WAY	SS	SELECTOR SWITCH
EXP	EXPLOSION PROOF	SWBD	SWITCHBOARD
EXIST	EXISTING	SWGR	SWITCHGEAR
FDR	FEEDER	TEMP	TEMPERATURE
FIXT	FIXTURE	TEW	THERMOCOUPLE EXTENSION WIRE
FVNR	FULL VOLTAGE NON–REVERSING	TR1	TIME DELAY RELAY #1
GI	GALVANIZED IRON	TW	TWISTED PAIR
G OR GND	GROUND	UON	UNLESS OTHERWISE NOTED
GF	GROUND FAULT	USE	UNDERGROUND SERVICE ENTRANCE CABLE
HOA	HAND–OFF–AUTOMATIC	V	VOLT
I&C	INSTRUMENTATION & CONTROL	VFD	VARIABLE FREQUENCY DRIVE
IMLR	INTERNAL MIXED LIQUOR RETURN	WP	WEATHERPROOF
JB	JUNCTION BOX	WT	WINDING TEMPERATURE RELAY
K	KCMIL (ONE THOUSAND CIRCULAR MILLS)	XFMR	TRANSFORMER
LCP	LOCAL CONTROL PANEL	NEC	NATIONAL ELECTRIC CODE
L.O.	LOCKOUT	(TYP)	TYPICAL
LP	LIGHTING PANELBOARD	ø	PHASE
LTG	LIGHTING	#	NUMBER
M	MOTOR		
MCC	MOTOR CONTROL CENTER		
MCM	ONE THOUSAND CIRCULAR MILS		
MMD	MICROPROCESSOR–BASED METERING DEVICE		

PROGRESS PRINTS

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FINAL PL FINAL DESIGN REVIEW MISSION

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER:
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SCALE IN FEET 0 10 20
SCALE 1"=10'

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WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

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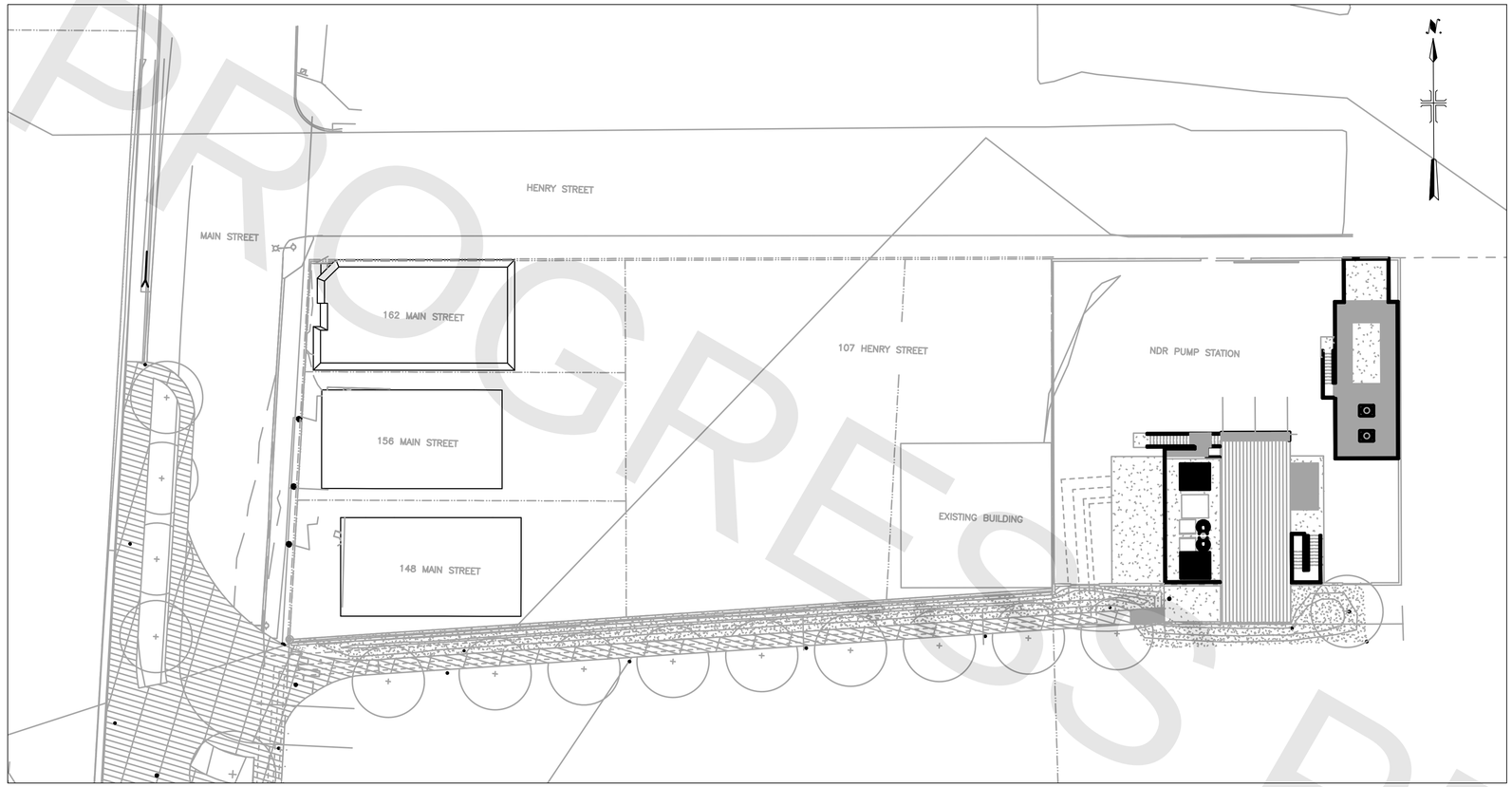
PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: SYMBOLS, NOTES AND ABBREVIATION

PROJECT NO. 15-383
DRAWING NO. E-1
SHEET NO.



OVERALL SITE PLAN

0 10' 20' 40'

SCALE: 1''=20'

PROGRESS PRINTS

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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: OVERALL SITE PLAN

PROJECT NO. 15-383

DRAWING NO. E-2

SHEET NO. **20.27**

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SWITCHBOARD SWBD–1
FRONT VIEW
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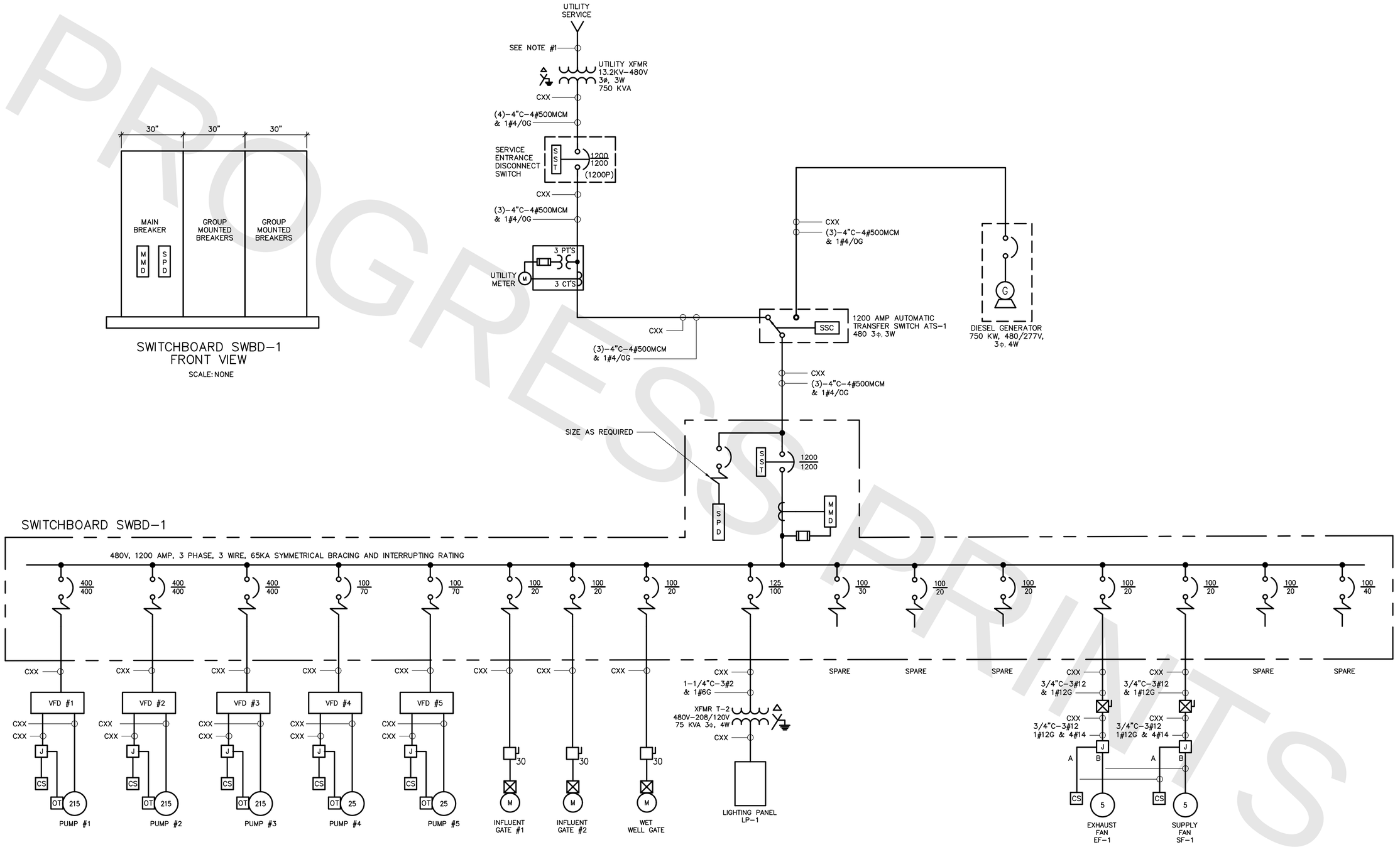

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SCALE: NONE

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
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SCALE IN FEET
0 10 20
SCALE 1"=10'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: ONE LINE DIAGRAM
PROJECT NO. 15-383
DRAWING NO. E-3
SHEET NO.

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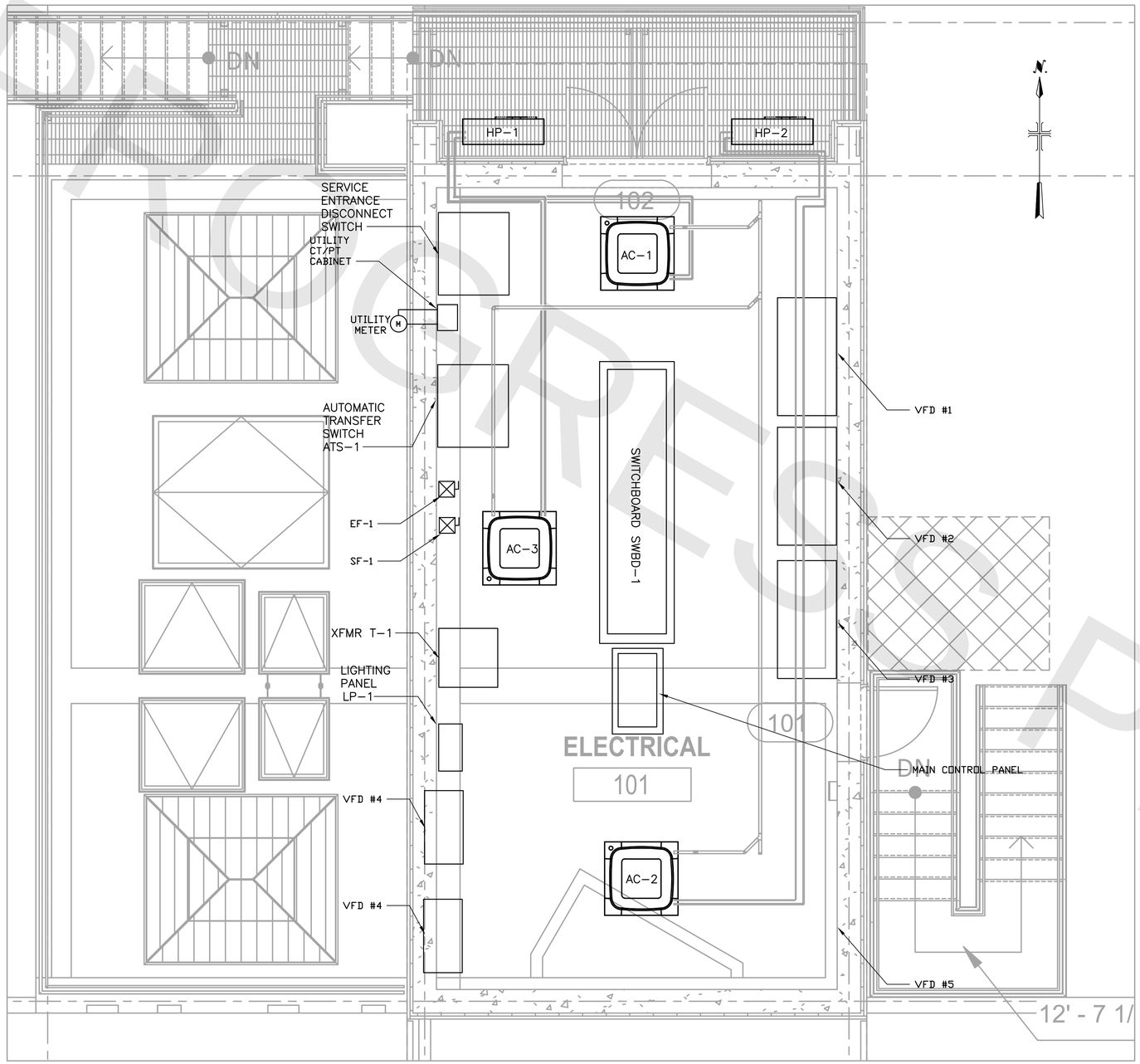
PROGRESS PRINTS



OPERATING LEVEL – POWER PLAN

SCALE: 3/8"=1'-0"

0 2' 4' 6'

NOTES:

1. THE ELECTRICAL ROOM IS A DUSTY LOCATION. ALL EQUIPMENT, MATERIALS, INCIDENTALS ETC SHALL CONFORM TO THE REQUIREMENTS OF THE LOCATIONS DESIGNATION.

PROGRESS PRINTS

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SCALE 1"=10'

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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: OPERATING LEVEL - POWER PLAN

PROJECT NO. 15-383

DRAWING NO. E-4

SHEET NO.

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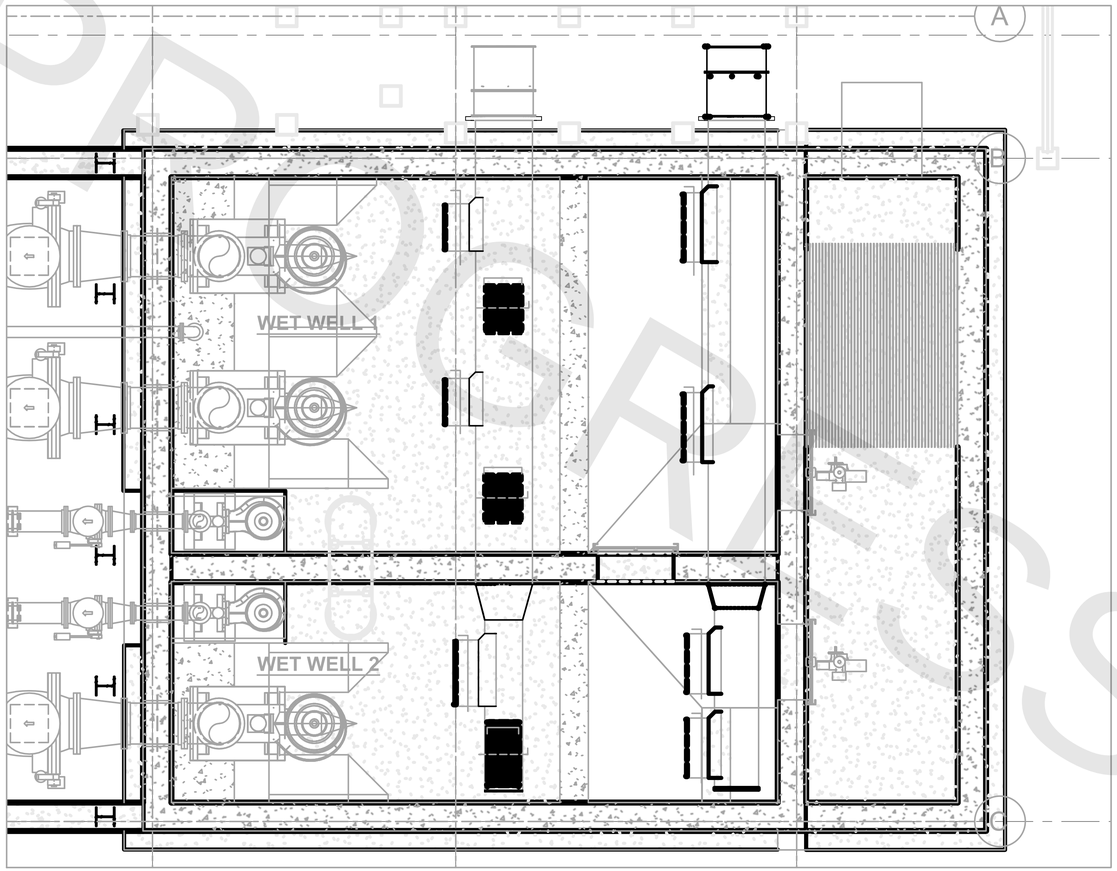

LOWER LEVEL – POWER PLAN

SCALE: 1/4"=1'-0"

0 2' 4' 8'

NOTES:

1. THE WET WELL AREA IS A CLASS I DIVISION I LOCATION. ALL EQUIPMENT, MATERIALS, INCIDENTALS ETC SHALL CONFORM TO THE REQUIREMENTS OF THE LOCATIONS DESIGNATION.

PROGRESS PRINTS

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ARCADIS
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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: LOWER LEVEL - POWER PLAN

PROJECT NO. 15-383

DRAWING NO. E-5

SHEET NO.

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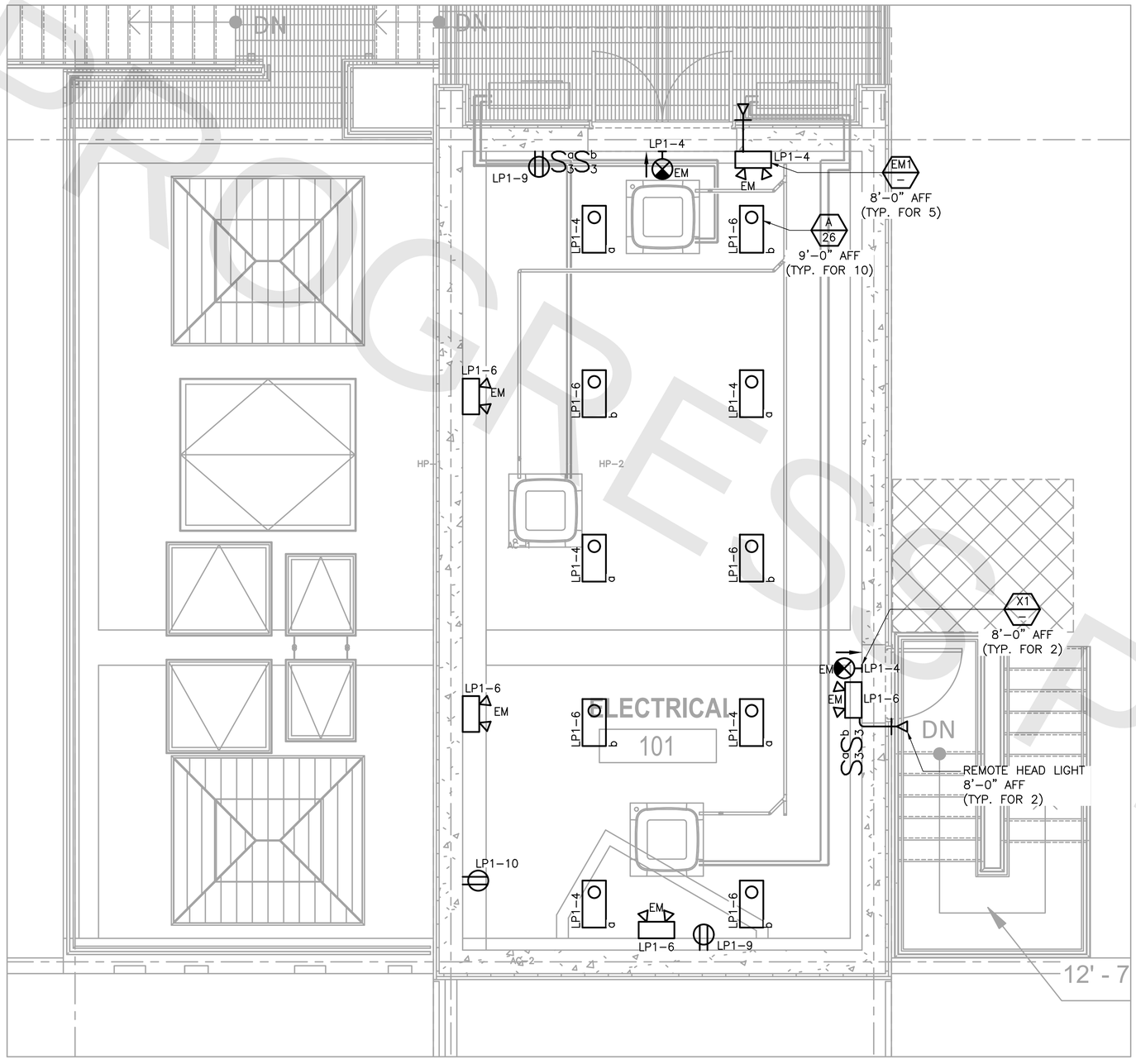

NOTES:

1. THE ELECTRICAL ROOM IS A DUSTY LOCATION. ALL EQUIPMENT, MATERIALS, INCIDENTALS ETC SHALL CONFORM TO THE REQUIREMENTS OF THE LOCATIONS DESIGNATION.

OPERATING LEVEL – LIGHTING PLAN

SCALE: 3/8"=1'-0"

0 2' 4' 6'

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

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PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: OPERATING LEVEL - LIGHTING PLAN

PROJECT NO. 15-383

DRAWING NO. E-6

SHEET NO.

PROGRESS PRINTS

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1	20			###					20	2
3	20				###				20	4
5	20					###			20	6
7	20			###					20	8
9	20				###				20	10
11	20					###			20	12
13	20			###					20	14
15	20				###				20	16
17	20					###			20	18
19	30			###					20	20
21	20				###				20	22
23	20					###			20	24
25	20			###					20	26
27	20				###				20	28
29	20					###			20	30
31	20			###					20	32
33	20				###				20	34
35	20					###			20	36
37	20			###					20	38
39	20				###				20	40
41	20					###			20	42
POWER PANEL : PP-1 LOCATION: ELECTRICAL ROOM		TOTAL KVA		###	###	###	SERVICE CHARACTERISTICS: 480/277 VOLT - 3 PHASE - 4 WIRE - 60 HZ PROVIDE 400AF/400AT MAIN BREAKER & SOLID NEUTRAL 65KA SC RATING & GROUND BUS			
		GRAND CONNECTED TOTAL KVA		###						

* PROVIDE GFCI TYPE CIRCUIT BREAKER

CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD KVA	KVA PER PHASE A	KVA PER PHASE B	KVA PER PHASE C	LOAD KVA	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO.
1	2P 40	HEAT PUMP HP-1		###				HEAT PUMP HP-2	2P 40	2
3					###					4
5	2P 40	HEAT PUMP HP-3				###		ELECTRICAL ROOM - LIGHTING	20	6
7				###				ELECTRICAL ROOM - LIGHTING	20	8
9	20	ELECTRICAL ROOM - RECEPTACLE			###			ELECTRICAL ROOM - RECAPTACLE	20	10
11	20					###			20	12
13	20			###					20	14
15	20				###				20	16
17	20					###			20	18
19	20			###					20	20
21	20				###				20	22
23	20					###			20	24
25	20			###					20	26
27	20				###				20	28
29	20					###			20	30
31	20			###					20	32
33	20				###				20	34
35	20					###			20	36
37	20			###					20	38
39	20				###				20	40
41	20					###			20	42
LIGHTING PANEL : LP-1 LOCATION: ELECTRICAL ROOM		TOTAL KVA		###	###	###	SERVICE CHARACTERISTICS: 208/120 VOLT - 3 PHASE - 4 WIRE - 60 HZ PROVIDE 250AF/250AT MAIN BREAKER & SOLID NEUTRAL 22KA SC RATING & GROUND BUS			
		GRAND CONNECTED TOTAL KVA		###						

TAG	NOMINAL WATTS	NOMINAL LUMEN	COLOR TEMP.	DISTRIBUTION	VOLTAGE	DESCRIPTION	MANUFACTURER
A	26	4000	4000K	N/A	120-277	LED 2-FOOT LINEAR LIGHT FIXTURE, SUITABLE FOR WET AND CORROSIVE LOCATION, NEMA 4X, IP66 RATED, FIBERGLASS HOUSING WITH FROSTED ACRYLIC LENS, PROVIDE BATTERY PACK IF INDICATED ON DRAWING.	HOLOPHANE EMS L48 OR APPROVED EQUAL
X1	3.1	N/A	N/A	N/A	120-277	INDUSTRIAL LED EXIT SIGN, SINGLE OR DOUBLE FACE WITH RED LETTER AND WHITE FINISH, SUITABLE FOR WET AND CORROSIVE LOCATION, NEMA 4X RATED, DIE-CAST ALUMINUM HOUSING WITH NICKEL-CADMIUM BATTERY.	HUBBELL DUAL LITE SEWL SERIES HOLOPHANE DELEON DLTLX OR APPROVED EQUAL
EM1	6.6	640	N/A	SPOT	120-277	EMERGENCY LIGHT FIXTURE WITH DUAL LED LAMPS, SUITABLE FOR WET LOCATION, IMPACT-RESISTANT, SCRATCH-RESISTANT, CORROSION PROOF AND UNIVERSAL MOUNTING, PROVIDE LITHIUM IRON PHOSPHATE BATTERY OR CADMIUM BATTERY BACKUP FOR 90 MIN. OPERATION AND SELF DIAGNOSTIC TESTING. PROVIDE REMOTE HEAD LIGHT FIXTURE AS INDICATED ON DRAWINGS	LITHONIA INDL SERIES, HUBBEL DYNAMO DYN SERIES, SURE-LITE SELIN SERIES OR APPROVED EQUAL

LIGHTING FIXTURE SCHEDULE

PROGRESS PRINTS

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DATE/TIME = Jan 19, 2022 - 10:01am

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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

FINAL DESIGN REVIEW

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

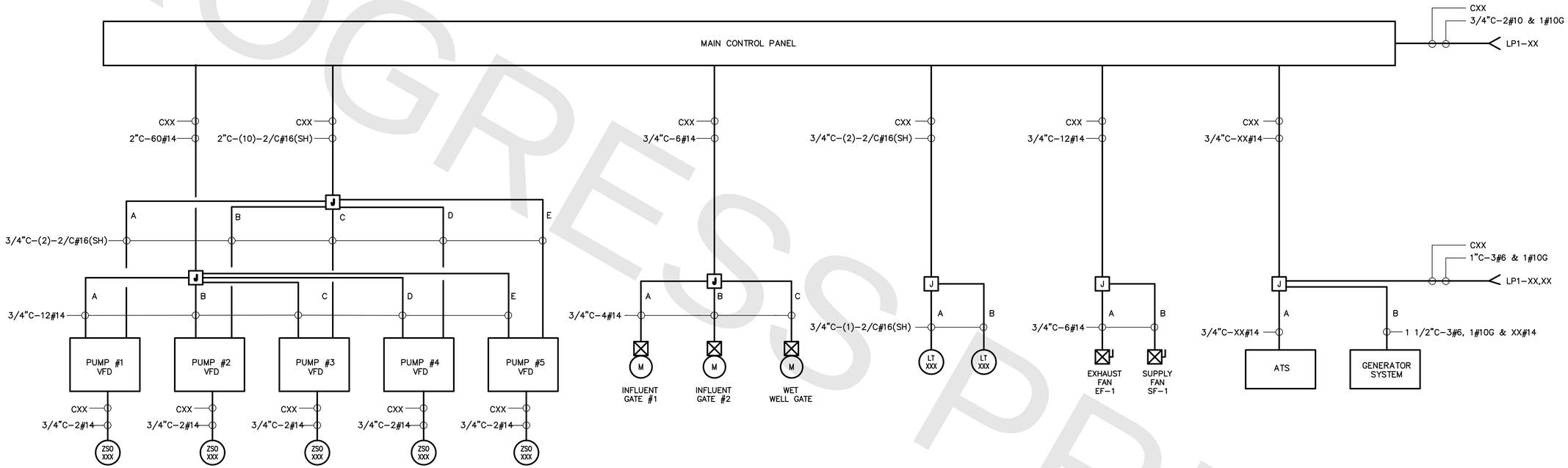
DRAWING TITLE: PANEL SCHEDULE AND LIGHTING FIXTURE

PROJECT NO. 15-383

DRAWING NO. E-7

SHEET NO.

PROGRESS PRINTS



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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: BLOCK DIAGRAM

PROJECT NO. 15-383

DRAWING NO. E-8

SHEET NO.

FILE NAME = C:\Users\ohar.WCD\Documents\Arcadis\WUS-30014372-HUD NDRC Bridgeport Resilience Design Project\Project Files\06 - AutoCAD\Elec\E-8.dwg
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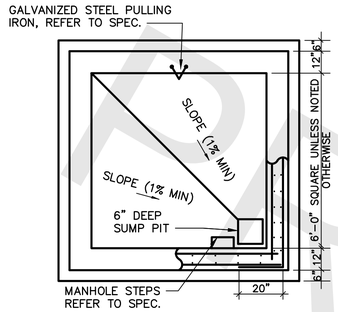
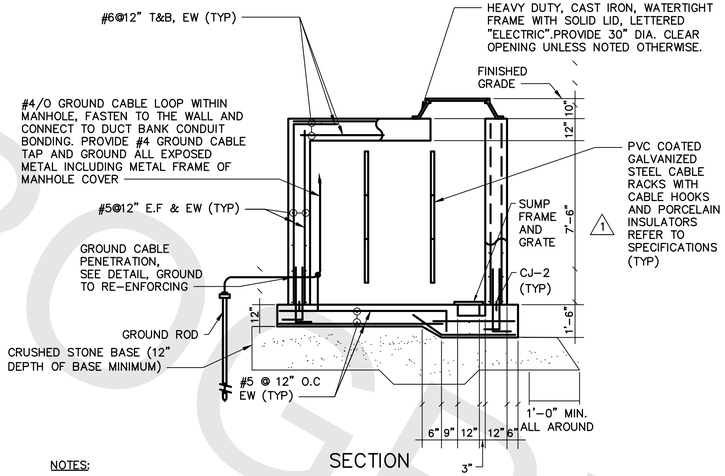
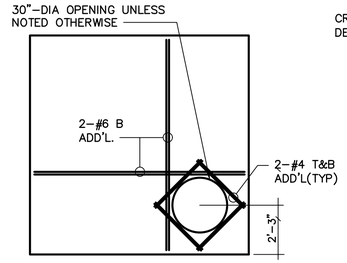


PLAN



SECTION

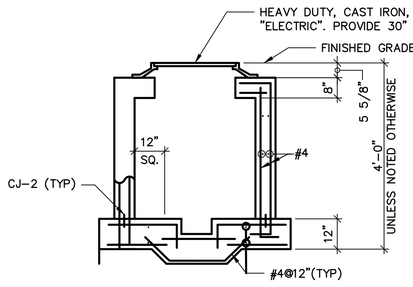


ROOF PLAN

NOTES:

1. COORDINATE ALL MANHOLE OPENINGS WITH THE DUCT BANKS ACTUAL CONFIGURATION AND ELEVATION.
2. SLOPE DUCT BANK 3" PER 100' TOWARDS MANHOLE.

TYPICAL MANHOLE DETAIL



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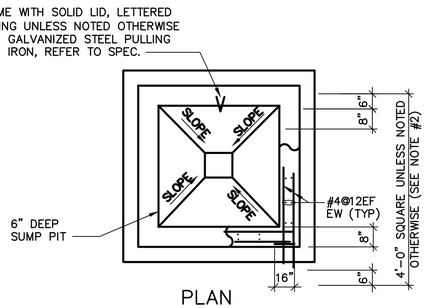
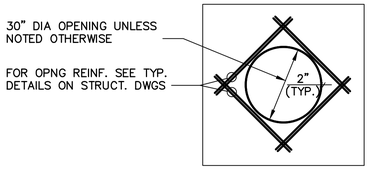


PLAN

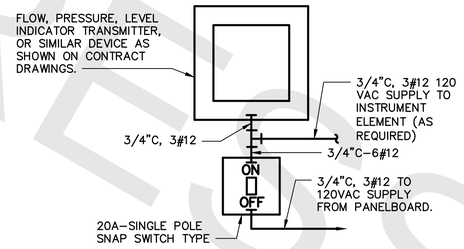


ROOF PLAN

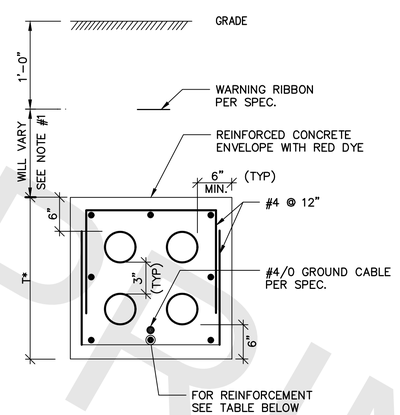
NOTES:

1. COORDINATE ALL HANDHOLE OPENINGS WITH THE DUCT BANK ACTUAL CONFIGURATION AND ELEVATION.
2. PROVIDE END BELLS OR INSULATED GROUND BUSHINGS & EXPANSION/DEFLECTION FITTINGS FOR DUCT ENTRANCE AT HANDHOLES

TYPICAL HANDHOLE DETAIL



TYPICAL FIELD INSTRUMENTATION WITH 120 VAC "ON-OFF" SWITCH

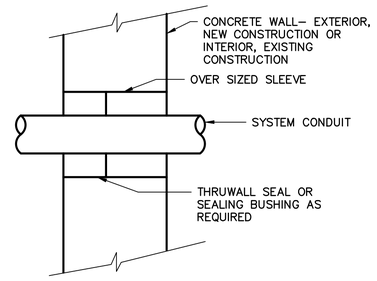


REINFORCEMENT TABLE		
DUCT BANK THICKNESS SEE NOTE #2	UNDER ROADWAY*	AT NON-TRAFFIC AREA
T < 18"	#8 @ 12" (MIN) ALL AROUND	#6 @12" ALL AROUND
T ≥ 18"	#7 @ 12" (MIN) ALL AROUND	#5 @12" ALL AROUND

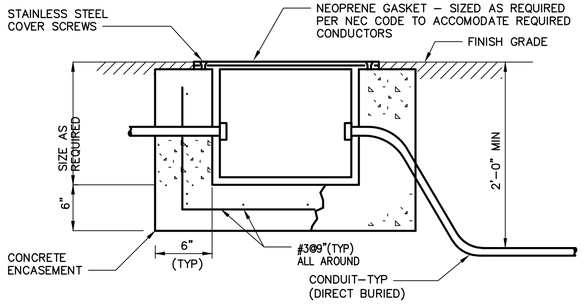
NOTES:

1. DUCT BANK DIMENSION (1'-0" MINIMUM) VARIES TO CLEAR OTHER UNDERGROUND SYSTEMS AND TO MAINTAIN SLOPE AS REQUIRED.
2. DUCT BANK DEPTH AND WIDTH VARIES, REFER TO PLAN DRAWINGS FOR SIZES.

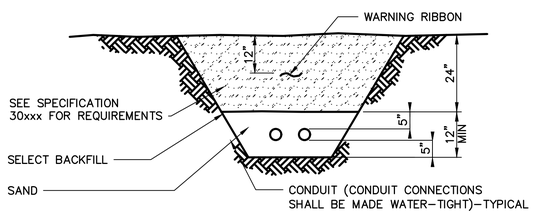
DUCT BANK SECTION DETAIL



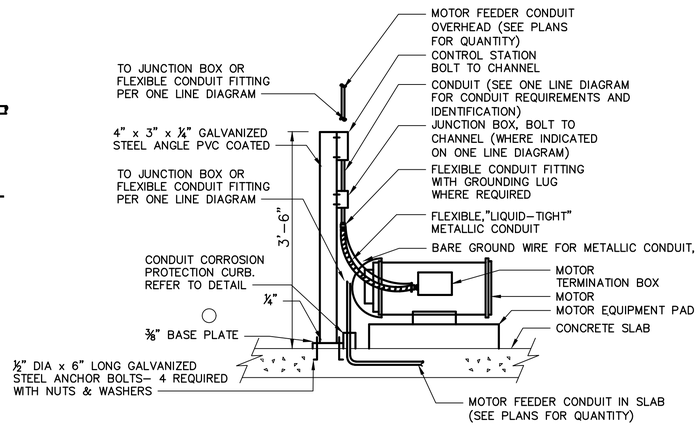
WALL CORING DETAIL



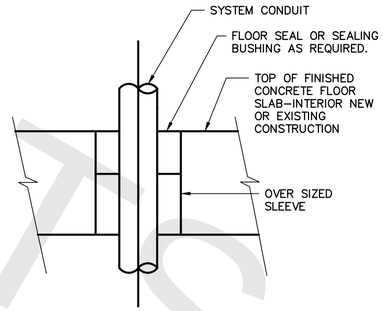
UNDERGROUND PULLBOX DETAIL



DIRECT BURIED CONDUIT DETAIL



ELECTRIC MOTOR TERMINATION AND DEVICE MOUNTING DETAIL



THRU FLOOR CONDUIT DETAIL

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SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: ELECTRICAL DETAILS I

PROJECT NO. 15-383

DRAWING NO. E-9

SHEET NO.

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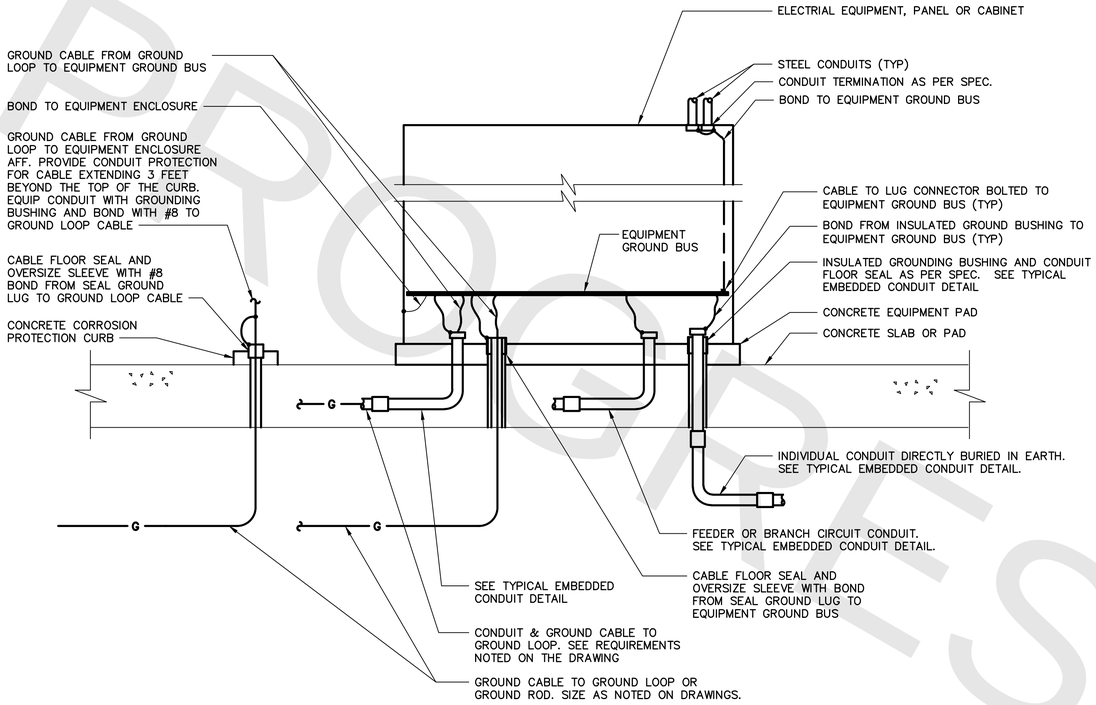
DATE/TIME = Jun 19, 2022 - 10:01am

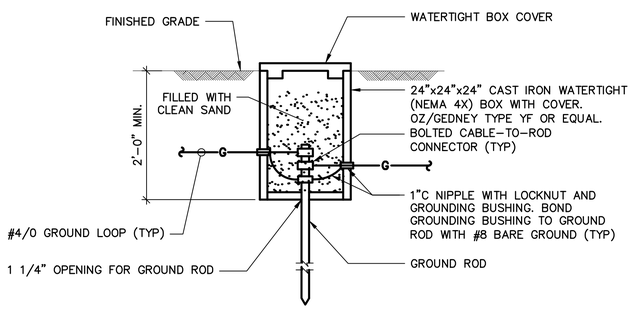
PROGRESS PRINTS



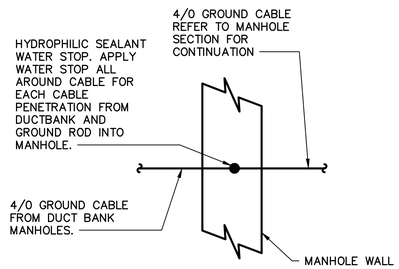
EQUIPMENT GROUNDING DETAIL

TYPE OF CONNECTION	BOLTED OR COMPRESSION		WELDED
	BURNDY CAT#	T&B CAT#	CADWELL CAT#
CABLE TO LUG (LUG, CABLE)	YA	54000 SERIES	LA
CABLE TO ROD (ROD, CABLE)	–	53000 SERIES	GT
ROD	GAR	–	GR
CABLE TO CABLE	GX	53000 SERIES	TV OR TA
CABLE TO PIPE (CABLE, PIPE OR CONDUIT)	–	–	HA OR VS
	GAR OR GD	3900 SERIES	–
CABLE TO FLAT SURFACE	GB	–	HA OR HS
BRAID TO PIPE	GG	–	–

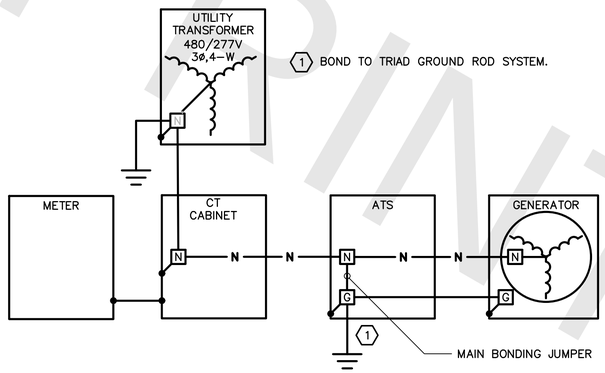
GROUNDING CONNECTIONS



EXTERIOR GROUND CONNECTION AND TEST WELL DETAIL



GROUND CABLE PENETRATION DETAIL



GROUNDING AND BONDING DETAIL

PROGRESS PRINTS

FILE NAME = C:\Users\ghirt\ACCDocs\Arcadis\NJS-30014372-HUD NDRC Bridgeport Resilience Design Project\Project Files\06 - AutoCAD\Basic\E-10.dwg
DATE/TIME = Jan 19, 2022 - 10:01am

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FINAL DESIGN REVIEW

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: ELECTRICAL DETAILS II

PROJECT NO. 15-383
DRAWING NO. E-10
SHEET NO.

ABBREVIATIONS

HVAC

ACH	AIR CHANGES PER HOUR
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
AL	ALUMINUM
AMB	AMBIENT
APPROX	APPROXIMATE
ATC	AUTOMATIC TEMPERATURE CONTROL
AUTO	AUTOMATIC
BBO	BATTERY BACK UP OPEN
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSE POWER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOG	BOTTOM OF GRILLE
BOT EL	BOTTOM ELEVATION
BOU	BOTTOM OF UNIT
BTU/HR	BRITISH THERMAL UNITS PER HOUR
BTUH	BRITISH THERMAL UNITS PER HOUR
℄	CENTER LINE
CD	CEILING DIFFUSER
CFM	CUBIC FEET OF AIR PER MINUTE
CGD	COMBUSTION GAS DETECTOR
CONC	CONCRETE
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUATION
COP	CENTER OF PIPE
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ECAV	EXHAUST CONSTANT AIR VOLUME
EG	EXHAUST GRILLE
EL	ELEVATION
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
EQUIP	EQUIPMENT
EWT	ENTERING WATER TEMPERATURE
EVAV	EXHAUST VARIABLE AIR VOLUME
EXH	EXHAUST
EXIST	EXISTING
F&B	FACE & BYPASS
FD	FIRE DAMPER
FLR	FLOOR
FO	FUEL OIL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOPR	FUEL OIL PRESSURE RELIEF
FPM	FEET PER MINUTE
FT	FEET
GAL	GALVANIZED
GBD	GRAVITY BACKDRAFT DAMPER
GPM	GALLONS PER MINUTE
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HMCS	HVAC MONITORING AND CONTROL SYSTEM
HGB	HOT GAS BYPASS
HGR	HOT GAS REHEAT
HP	HORSEPOWER OR HEAT PUMP
HVAC	HEATING, VENTILATION & AIR CONDITIONING
KW	KILOWATT
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LBG	LINEAR BAR GRILLE
LCD	LIQUID CRYSTAL DISPLAY
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MD	MOTORIZED DAMPER
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MECH	MECHANICAL
MIN	MINIMUM
MFR	MANUFACTURER
MOP	MAX OVERCURRENT PROTECTION
MTD	MOUNTED
NA	NOT APPLICABLE
NK	NECK
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
NFA	NET FREE AREA
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OPNG	OPENING
PD	PRESSURE DROP
PE	PNEUMATIC/ELECTRIC
PVC	POLYVINYL CHLORIDE
RECIP	RECIPROCATING
RG	RETURN GRILLE
RL	REFRIGERANT LIQUID
RM	ROOM
RR	RETURN REGISTER
RO	ROOF OPENING
RS	REFRIGERANT SUCTION
RV	RELIEF VENT
SC	SPRING CLOSE
SCAV	SUPPLY CONSTANT AIR VOLUME
SCH	SCHEDULE
SCR	SILICON CONTROLLED RECTIFIER
SD	SMOKE DETECTOR
SG	SUPPLY GRILLE
SMD	SMOKE DAMPER
SO	SPRING OPEN
SP	STATIC PRESSURE
SRV	SAFETY RELIEF VALVE
SR	SUPPLY REGISTER
SS	STAINLESS STEEL
SVAV	SUPPLY VARIABLE AIR VOLUME
TOD	TOP OF DUCT
TS	TOTAL STATIC
TSP	TOTAL STATIC PRESSURE
TVS	TEMPORARY VENTILATION STATION
TYP	TYPICAL
VAS	VENTILATION ALARM STATION
VD	MANUAL VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VH	VALVE HEATING
VMS	VENTILATION MONITORING STATION
WB	WET BULB
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
W/	WITH

EQUIPMENT

ACU	AIR CONDITIONING UNIT
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AHU	AIR HANDLING UNIT
BSU	BRANCH SELECTOR UNIT
CF	CIRCULATION FAN / CEILING FAN
CH	CHILLER
CRAC	COMPUTER ROOM AIR CONDITIONER
CWH	CABINET WALL HEATER
DDC	DIRECT DIGITAL CONTROL
DH	DEHUMIDIFICATION UNIT
EBH	ELECTRIC BASEBOARD HEATER
ECH	ELECTRIC CABINET HEATER
EF	EXHAUST FAN
ERV	ENERGY RECOVERY VENTILATOR
EUH	ELECTRIC UNIT HEATER
FACP	FIRE ALARM CONTROL PANEL
FBP	FIBER BRANCH PANEL
FPP	FIBER PATCH PANEL
GDC	GLYCOL DRY COOLER
HMCS	HVAC MONITORING AND CONTROL SYSTEM
HP	HEAT PUMP
HUH	HOT WATER UNIT HEATER
HV	HEATING AND VENTILATING UNIT
HVAC	HEATING, VENTILATING, AIR CONDITIONING UNIT
HWB	HOT WATER BOILER
HWP	HOT WATER PUMP
HWPP	HOT WATER PRIMARY PUMP
HWSP	HOT WATER SECONDARY PUMP
MAU	MAKE-UP AIR UNIT
PSP	PURGE STATION PANEL
PTAC	PACKAGED TERMINAL AC UNIT
RHP	RADIANT HEATING PANEL
SF	SUPPLY FAN
SPP	SMOKE PURGE PANEL
VRFU	VARIABLE REFRIGERANT FLOW UNIT

PIPING SYMBOLS

- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- CA — COMPRESSED AIR
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- DG — DIGESTER GAS
- EFWS — EFFLUENT WATER SUPPLY
- EFWR — EFFLUENT WATER RETURN
- D — DRAIN
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- V — VENT
- FOV — FUEL OIL VENT
- FOG — FUEL OIL GAUGE
- NG — NATURAL GAS
- CW — COLD WATER
- MU — MAKE-UP WATER
- EXPANSION JOINT
- DIRECTION OF PITCH
- ELBOW UP
- ELBOW DOWN
- TEE DOWN
- TEE UP
- PIPE CAP
- CONNECTION UP
- CONNECTION DOWN
- ALIGNMENT GUIDE
- X — ANCHOR
- M — CONTROL VALVE, (2-WAY) ELECTRIC MOTOR OPERATED
- M — CONTROL VALVE, (3-WAY) ELECTRIC MOTOR OPERATED

- V — ISOLATION VALVE TYPE DESIGNATED IN SPECIFICATION
- BUTTERFLY VALVE
- CHECK VALVE
- GATE VALVE
- GLOBE VALVE
- TRIPLE DUTY VALVE (STRAIGHT, ANGLE PATTERN)
- BALANCING VALVE
- BALL VALVE
- S — SOLENOID VALVE
- Y STRAINER
- FS — FLOW SWITCH
- REDUCER (CONCENTRIC)
- REDUCER (ECCENTRIC)
- UNION
- THERMOMETER
- PRESSURE GAUGE
- FLEXIBLE CONNECTION
- RL — REFRIGERANT LIQUID LINE
- HG — HOT GAS LINE
- RS — REFRIGERANT SUCTION LINE
- S — CONTROL SWITCH
- PS — PRESSURE SWITCH
- NEW PIPING/EQUIPMENT
- HIDDEN PIPING/EQUIPMENT

MISCELLANEOUS SYMBOLS

- T — THERMOSTAT/TEMPERATURE SENSOR
- PUMP OR FAN
- CB — CIRCUIT BREAKER
- M — VENTILATION ALARM OR MONITORING STATION
- HV1-MD-1: DAMPER NUMBER; MOTORIZED DAMPER; EQUIPMENT DAMPER IS ASSOCIATED WITH
- EF-1: QUANTITY DESIGNATION; EQUIPMENT DESIGNATION (EXHAUST FAN)
- 24X24 CDA: LOUVER FACE SIZE
- 10-200: CEILING DIFFUSER TYPE (TYPE A SHOWN); CFM; NECK SIZE
- EXISTING TO NEW WORK INTERFACE

DUCTWORK SYMBOLS

- SUPPLY AIR
- RETURN OR EXHAUST AIR
- 12" X 12" — DUCT, DIRECTION OF FLOW, SIZE
- DUCT SECTION, SUPPLY
- DUCT SECTION, EXHAUST
- DUCT SECTION, RETURN
- DROP (D) CHANGE OF ELEVATION RISE (R),
- FLEXIBLE CONNECTION
- FLEXIBLE DUCT
- MITERED ELBOW W/ TURNING VANES
- DUCT ELBOW DOWN. SUPPLY SHOWN
- DUCT ELBOW UP, SUPPLY SHOWN
- VOLUME DAMPER
- SUPPLY REGISTER OR GRILLE
- EXHAUST REGISTER OR GRILLE
- RETURN REGISTER OR GRILLE
- FOUR WAY BLOW SUPPLY DIFFUSER / REGISTER
- THREE WAY BLOW SUPPLY DIFFUSER / REGISTER
- 1.0 S.F. / 100 CFM — DOOR LOUVER, SIZE
- U — DOOR UNDERCUT
- DUCTWORK WITH INTERNAL INSULATION
- M — MOTORIZED DAMPER (ELECTRIC)
- M / SMD — SMOKE DAMPER
- GBD — GRAVITY BACKDRAFT DAMPER
- FD (#) — FIRE DAMPER W/ ACCESS DOOR
- (#) DESIGNATES FIRE WALL RATING
- TWO WAY BLOW SUPPLY DIFFUSER
- ONE WAY BLOW SUPPLY DIFFUSER
- LINEAR DIFFUSER
- NEW DUCTWORK/EQUIPMENT
- HIDDEN DUCTWORK/EQUIPMENT

GENERAL NOTES

1. THE SYMBOLS AND ABBREVIATIONS LIST ON THIS SHEET IS A COMPREHENSIVE STANDARD GUIDE INTENDED FOR GENERAL USE ON ALL PROJECTS. NOT ALL THE SYMBOLS AND ABBREVIATIONS CONTAINED ARE NECESSARILY USED.
2. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO BEGINNING WORK SHOWN.
3. ALL DUCT DIMENSIONS ARE CLEAR DIMENSIONS TO INSIDE OF DUCT. DIMENSIONS TO DUCTS FROM FLOOR OR WALL SHALL BE TO THE OUTSIDE OF DUCT. WHERE INTERNAL INSULATION IS REQUIRED, THE DUCT SIZE SHALL BE INCREASED TO GIVE CLEAR INSIDE DIMENSIONS.
4. EQUIPMENT SIZES AND LOCATIONS ARE APPROXIMATE. ACTUAL DIMENSIONS TO BE DETERMINED BY EQUIPMENT FURNISHED.
5. FINAL SIZES OF FLOOR OPENINGS, WALL OPENINGS, ROOF OPENINGS, DUCT PLENUMS, DUCT TRANSITIONS AND PIPING CONNECTIONS TO EQUIPMENT SHALL BE DETERMINED BY EQUIPMENT FURNISHED.
6. FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED.
7. VOLUME DAMPERS SHOWN OR DESCRIBED ON THE DRAWINGS ARE IN ADDITION TO OPPOSED BLADE DAMPERS PROVIDED WITH REGISTERS.
8. REFER TO CODE GENERAL CRITERIA CHART ON THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DESIGN INFORMATION REQUIRED UNDER THIS CONTRACT.
9. FIRE DAMPER SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS TO MAINTAIN UL RATING.

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: S. CHHEA/J.BICHLER
CHECKED BY: V. VITALE
SCALE IN FEET 0' 1" 2"
SCALE 1"=10'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

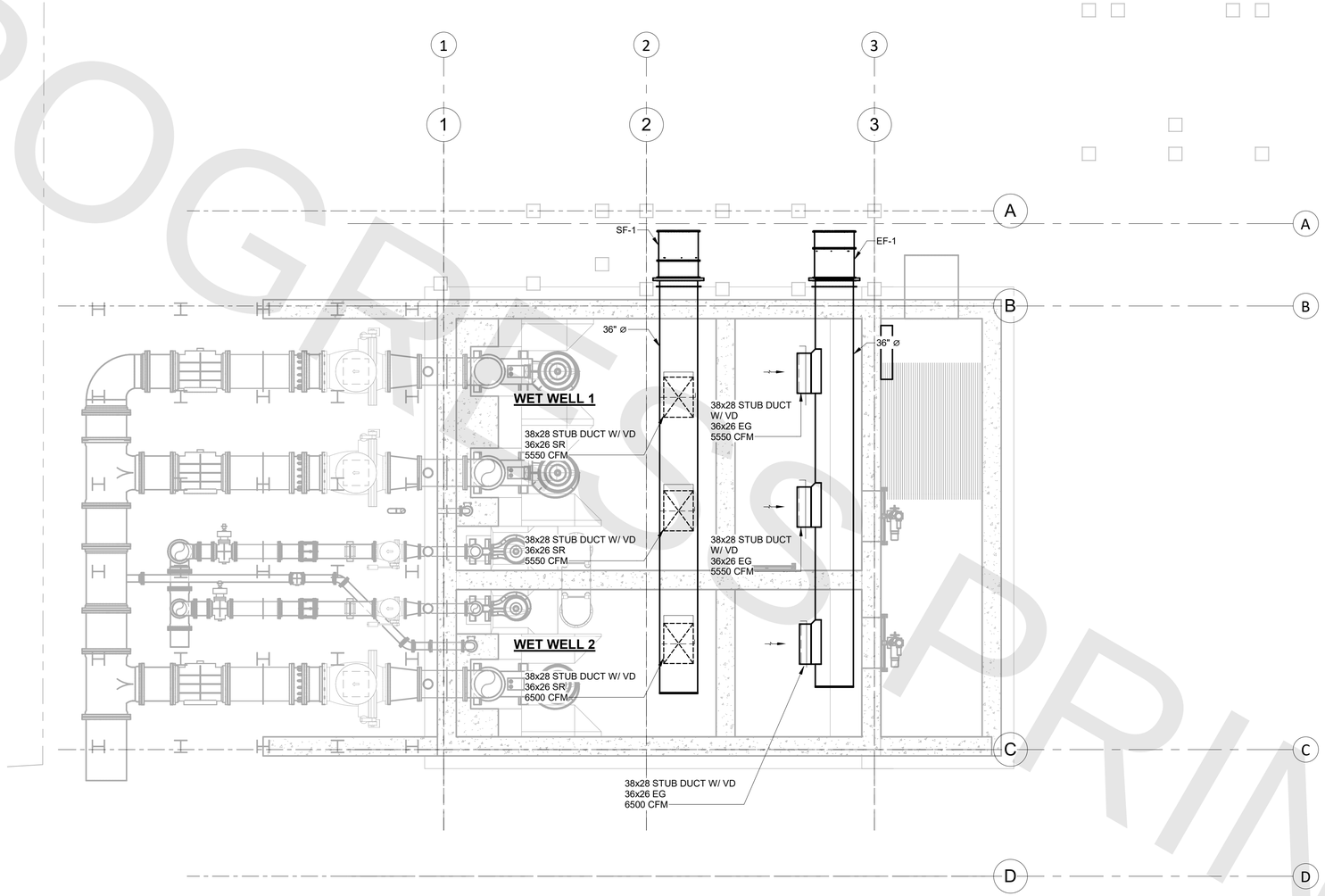
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES

PROJECT NO. 15-383
DRAWING NO. **H-001**
SHEET NO.

PROGRESS PRINTS



WET WELL LEVEL

SCALE: 3/16" = 1'-0" 0' 4' 8' 12'

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE: **FLOOD RISK REDUCTION PROGRAM**

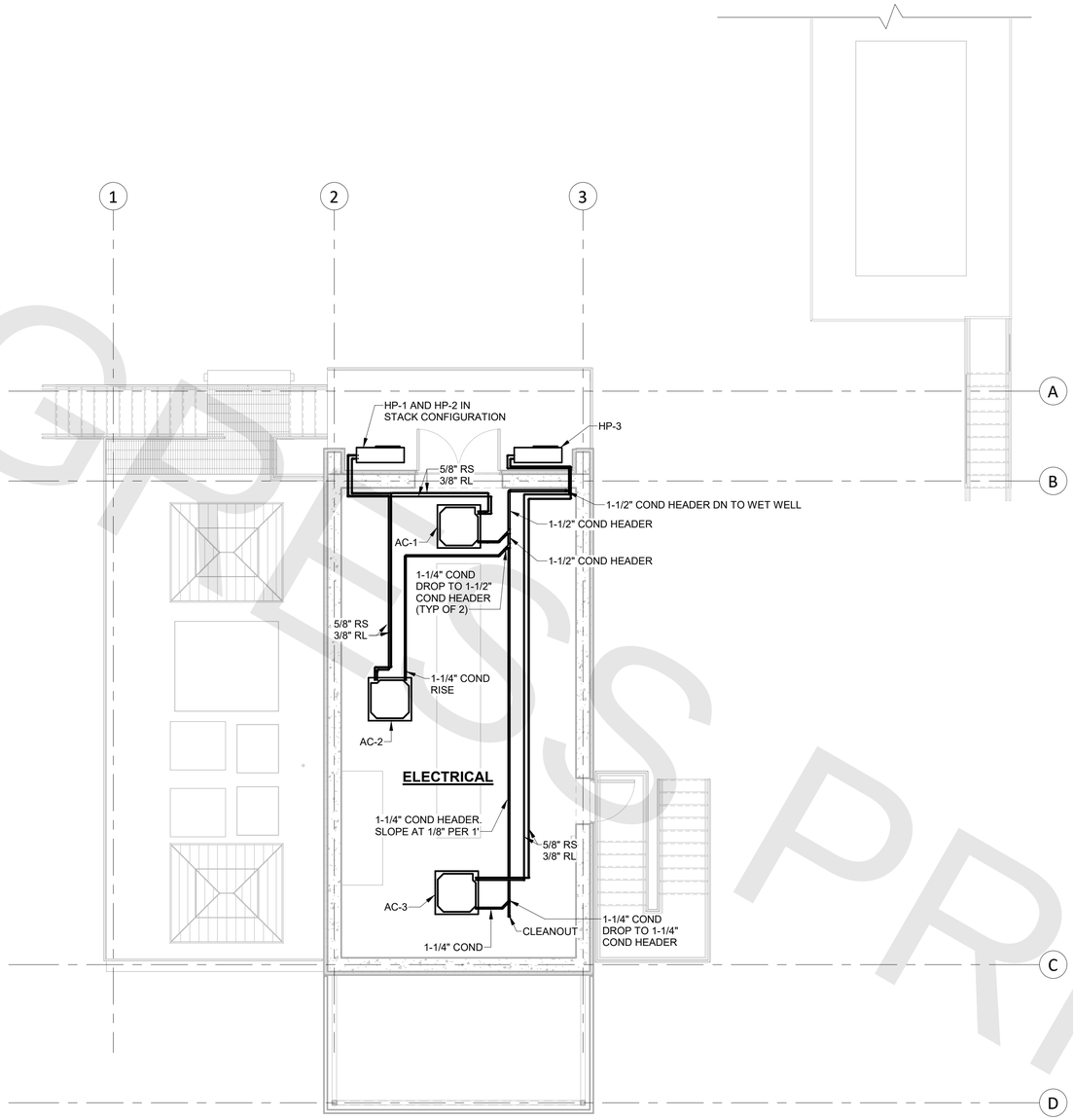
TOWN: BRIDGEPORT

DRAWING TITLE: WET WELL FLOOR PLAN

PROJECT NO. 15-383

DRAWING NO. **H-002**

SHEET NO.



OPERATING LEVEL

SCALE: 3/16" = 1'-0" 0' 4' 8' 12'

PROGRESS PRINTS

PRELIMINARY - NOT FOR CONSTRUCTION

FINAL DESIGN REVIEW

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CHECKED BY: V. VITALE
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SCALE 1"=10'

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

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500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE: **FLOOD RISK REDUCTION PROGRAM**

TOWN: BRIDGEPORT

DRAWING TITLE: OPERATING LEVEL FLOOR PLAN

PROJECT NO. 15-383

DRAWING NO. **H-003**

SHEET NO.

PROGRESS PRINTS

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CHECKED BY: **V. VITALE**
SCALE IN FEET 0' 1" 1" 2"
SCALE 1"=10'

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WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

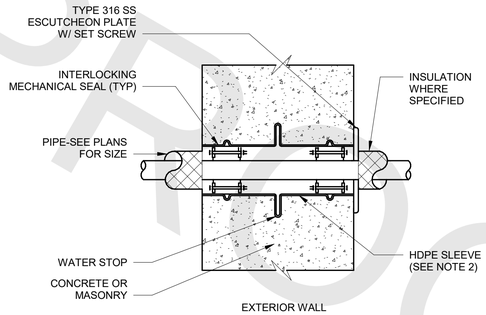
SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT

DRAWING TITLE: SCHEDULES

PROJECT NO. 15-383
DRAWING NO. **H-004**
SHEET NO.



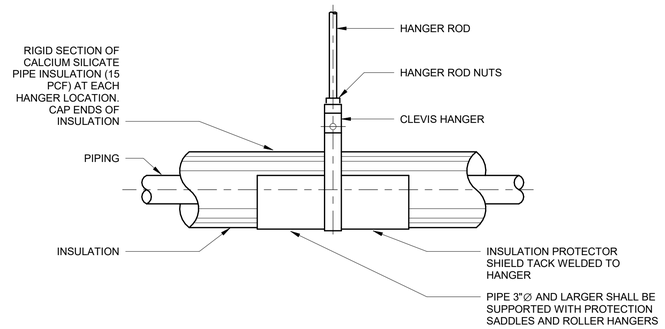
NOTES

1. FOR FIRE RATED WALL PENETRATION SUBSITUTE STEEL SLEEVE FOR HDPE.

2. FOR ONE HOUR FIRE RATED PENETRATION PROVIDE ONE FIRE RATED MECHANICAL SEAL.
FOR TWO HOUR FIRE RATED PENETRATION PROVIDE TWO FIRE RATED MECHANICAL SEALS.

PIPE SLEEVE THRU INTERIOR WALL DETAIL

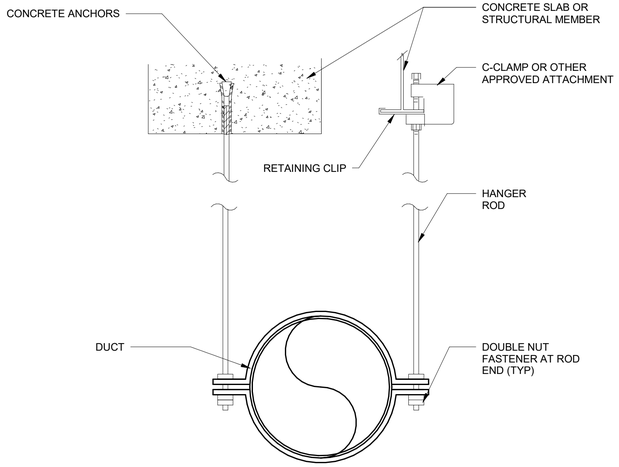
NOT TO SCALE



PIPE DIAMETER	SHIELD LENGTH	SHIELD THICKNESS
1/2" TO 1 1/2"	12"	18 USG
2" TO 4"	12"	16 USG
5" TO 6"	18"	16 USG
8" TO 14"	24"	14 USG
16" TO 30"	24"	12 USG

HANGER ARRANGEMENT OF INSULATED PIPING DETAIL

NOT TO SCALE

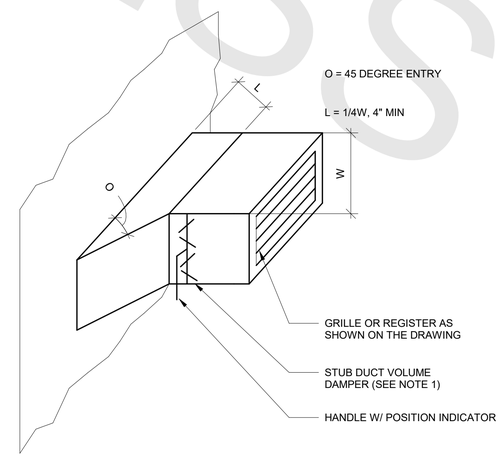


NOTES:

1. FOR ACCEPTABLE ANCHOR TYPES FOR ANCHORAGE TO HOLLOW CORE SLABS, REFER TO THE STRUCTURAL DWGS FOR ATTACHMENT DETAILS. UNAPPROVED ATTACHMENT METHODS SHALL BE REJECTED.

TYPICAL ROUND DUCT HANGING DETAIL

NOT TO SCALE



NOTES:

1. VOLUME DAMPERS SHOWN OR SPECIFIED ON THE DRAWINGS ARE IN ADDITION TO DAMPERS SPECIFIED WITH REGISTERS. REGISTER DAMPERS ARE NOT SHOWN ON THE DWGS.

GRILL STUB DUCT DETAIL

NOT TO SCALE

PROGRESS PRINTS

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ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
FLOOD RISK REDUCTION PROGRAM

TOWN: BRIDGEPORT
DRAWING TITLE: DETAILS
PROJECT NO. 15-383
DRAWING NO. **H-005**
SHEET NO.

ENERGY EFFICIENCY CRITERIA

	INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2015 EDITION (AS MODIFIED BY THE STATE OF CONNECTICUT)	
CLIMATE ZONE	5A	
	BUILDING ENVELOPE REQUIREMENTS	BUILDING ENVELOPE DESIGN
ROOF ASSEMBLIES		
INSULATION ENTIRELY ABOVE DECK	R- 30ci	
ATTIC AND OTHER (ALT TO ABOVE)	R - 38	
WALLS BELOW GRADE		
BELOW - GRADE WALLS	R - 7.5ci	
WALLS ABOVE GRADE		
MASS	R-11.4ci	
STEEL-FRAMES	R-13 + R-7.5 ci	
FLOORS OVER UNCODITIONED SPACE		
MASS	R-10ci	
FRAMING	R-30	
OPAQUE DOOR (<50% GLASS)		
SWINGING	U - 0.37	
COILING OR SLIDING	R - 4.75	
FLOORS ON GRADE		
HEATED	R -FOR 36" BELOW	
UNHEATED	R-10 FOR 24" BELOW	
FENESTRATION		
WINDOW / GLAZING PERCENTAGE	40% MAX	
METAL FRAMES - FIXED	U - 0.38	
METAL FRAMES - OPERABLE	U - 0.45	
METAL FRAMES - ENTRANCE DOORS	U - 0.77	
AIR LEAKAGE		
WALL ASSEMBLIES	MAX 0.20 CFM/SF OR 0.30 CFM/SF AT 6.24 PSF	
LOUVER DAMPERS	MAX 0.20 CFM/SF OR 0.30 CFM/SF AT 6.24 PSF	
WINDOW / SLIDING DOOR ASSEMBLIES	MAX 0.60 CFM/SF	
CURTAIN WALL	MAX 1.00 CFM/SF	
STOREFRONT	MAX 0.40 CFM/SF	
ENTRANCE DOORS	MAX 1.00 CFM/SF	
GARAGE DOORS		
ROLLING DOORS		

CODE SYNOPSIS

	INTERNATIONAL BUILDING CODE (IBC) 2015 EDITION (AS MODIFIED BY THE STATE OF CONNECTICUT)			LIFE SAFETY CODE (NFPA101) 2015 EDITION	
OCCUPANCY CLASSIFICATION	GROUP U-UTILITY AND MISC.	(312)		INDUSTRIAL	(6.1.12)
CONSTRUCTION TYPE	IIIIB - NON-COMB UNPROTECTED	(602.3)		NO MINIMUM CONSTR. REQ'TS	(40.1.6)
OCCUPANT LOAD	1 PER 300 GSF			1 PER 100 GSF	(TABLEL 7.3.1.2)
	ALLOWABLE		ACTUAL	ALLOWABLE	ACTUAL
BUILDING HEIGHT	55 FEET	(504.3)		-	-
STORIES	2	(504.4)		-	-
AREA (PER STORY)	12,000 SF	(504.6)		-	-
FIRE-RESISTANCE RATINGS		(TABLE 601)			
PRIMARY STRUCTURAL FRAME	0 HOURS			0 HOURS	
EXTERIOR BEARING WALLS	2 HOURS			0 HOURS	
INTERIOR BEARING WALLS	0 HOURS			0 HOURS	
EXTERIOR NON-BEARING WALLS	SEE TABLE 602 BELOW			0 HOURS	
INTERIOR NON-BEARING WALLS	0 HOURS			0 HOURS	
FLOORS AND SECONDARY MEMBERS	0 HOURS			0 HOURS	
ROOF AND SECONDARY MEMBERS	0 HOURS			0 HOURS	
FIRE SEPARATION DIST. RATINGS		(TABLE 602)			
LESS THAN 5 FEET	1 HOUR				
5 FEET TO LESS THAN 10 FEET	1 HOUR				
10 FEET TO LESS THAN 30 FEET	1 HOUR				
30 FEET OR GREATER	0 HOURS				
INTERIOR FINISHES		(TABLE 803.11)			
EXITS	NO RESTRICTIONS			CLASS A OR CLASS B (CLASS I OR CLASS II ON FLOORS)	
EXIT ACCESS	NO RESTRICTIONS			CLASS A OR CLASS B (CLASS I OR CLASS II ON FLOORS)	
ROOMS AND ENCLOSED SPACES	NO RESTRICTIONS			NO RESTRICTIONS	

ZONING ANALYSIS

	ZONING & SUBDIVISION REGULATIONS OF THE CITY OF BRIDGEPORT CONNECTICUT ADOPTED NOVEMBER 20, 2009 UPDATED FEBRUARY 3, 2020	
ZONING DISTRICT	MU-W MIXED USE WATERFRONT	8-4
LAND USES		TABLE 2-B
PRINCIPAL PERMITTED USE	OFFICE, COMMERCIAL PARKING, ENTERTAINMENT / RECREATIONAL TRADE, ENTERTAINMENT LIVE, MARINE CRAFT AND MARINAS, MEMBERSHIP CLUBS, GENERAL SALES AND SERVICE, SHORT TERM LODGING, COMMUNITY FACILITY, DAY CARE CENTER, PARK AND OPEN AREA, PUBLIC FACILITY & SERVICE GOVERNMENT OWNED, PUBLIC SAFTY & EMERGENCY SERVICE, HOUSHOLD LVIING	
SPECIAL PERMIT USE	OUTDOOR RECREATION, COMMERCIAL, RADIO / TV BROADCASTING FACILITY, MARINE CRAFT SALES, LEASING, SERVICE, UPLAND STORAGE, MUSEUM, PASSENGER TERMINAL, UTILITY, SERVICE, AGRICULTURE/ FARMING	
INTENSITY AND DIMENSIONAL STANDARDS		
MINIMUM LOT AREA	10 ACRES	
MINIMUM LOT WIDTH	200 FEET	
FRONT YARD SETBACK	15 FEET	
MINIMUM REAR YARD SETBACK	20% OF LOT DEPTH	
MINIMUM MEAN HIGH WATER SETBACK	30 FEET	
MAXIMUM BUILDING COVERAGE	70%	
MAXIMUM SITE COVERAGE	85%	
MINIMUM LANDSCAPED AREA	15%	
MAXIMUM BUIDING HEIGHT	50 STORIES OR 500 FEET	
MINIMUM PARKING REQUIREMENTS INDUSTRIAL USE	GREATER OF 0.5 / EMPLOYEE ON LARGEST SHIFT OR 1/1200 SF OF BUILDING AREA	
PARKING IN FRONT SETBACK	YES	

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: KCR

CHECKED BY: Checker

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE: Flood Risk Reduction Program

TOWN: BRIDGEPORT

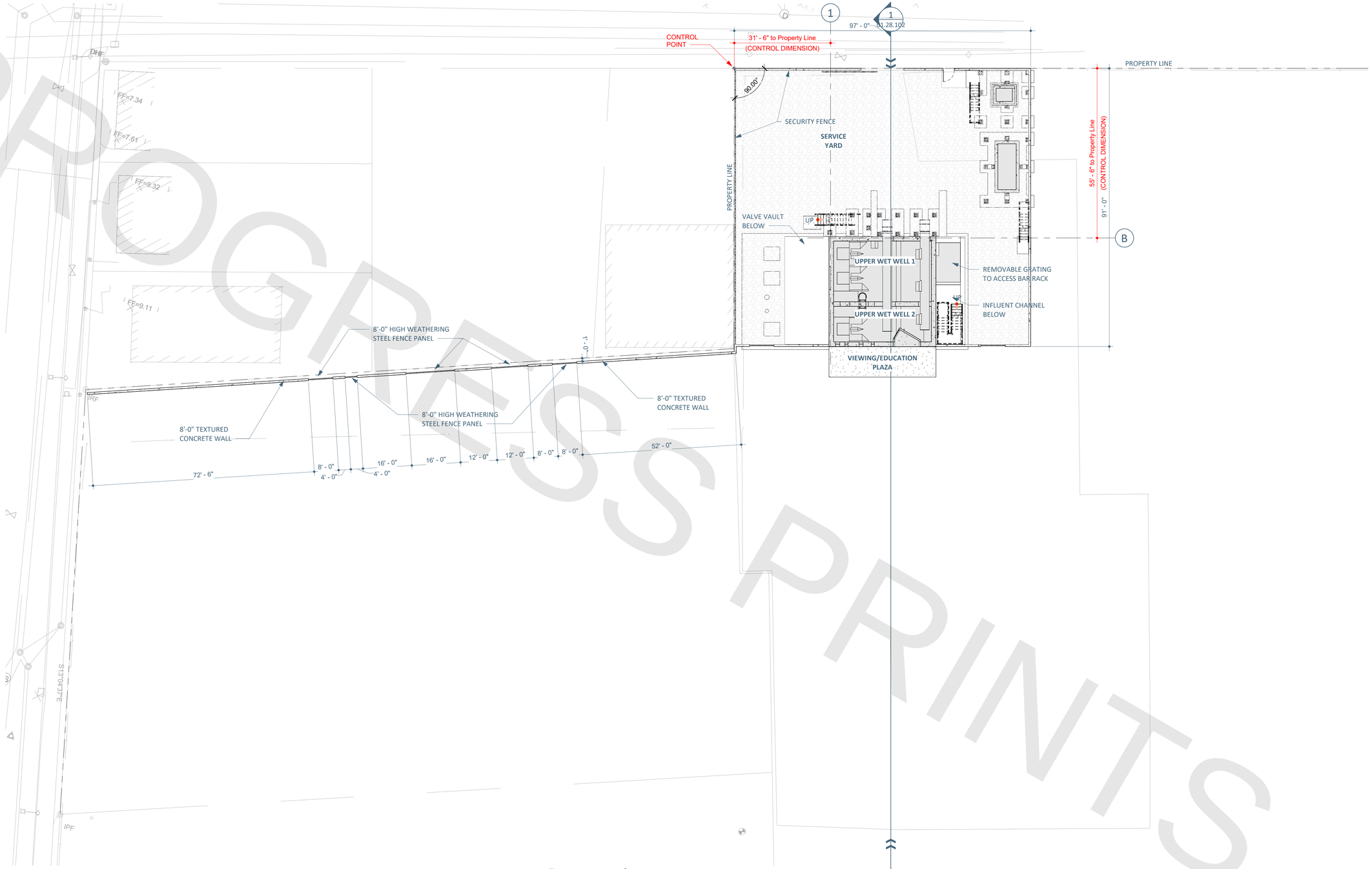
DRAWING TITLE: CODE AND ZONING ANALYSIS

PROJECT NO. 15-384

DRAWING NO. 01.28.002

SHEET NO.

PROGRESS PRINTS



1 01.28.102 | 01.28.101

SITE PLAN
1/16" = 1'-0"

1
01.28.102

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: Author

CHECKED BY: Checker

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
Flood Risk Reduction Program

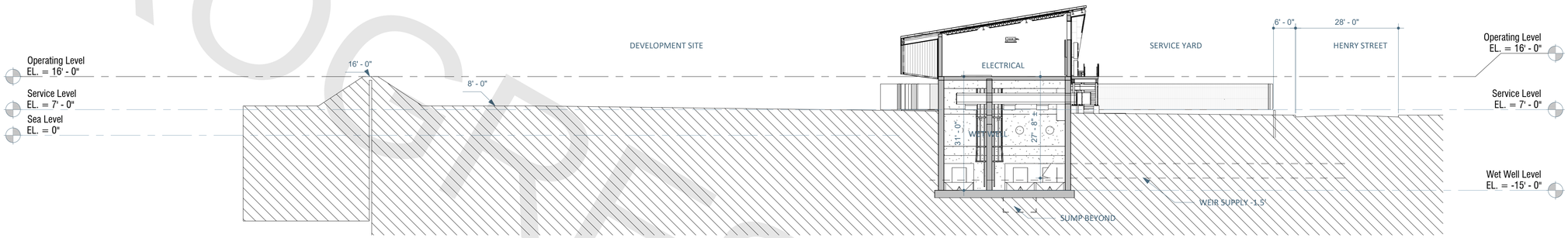
TOWN: BRIDGEPORT

DRAWING TITLE: SITE PLAN

PROJECT NO. 15-384

DRAWING NO. 01.28.101

SHEET NO.



1 SITE SECTION
01.28.101 | 01.28.102 1/16" = 1'-0"

PROCESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: Author

CHECKED BY: Checker

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
Flood Risk Reduction Program

TOWN: BRIDGEPORT

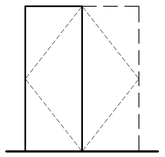
DRAWING TITLE: SITE SECTIONS AND DETAILS

PROJECT NO. 15-384

DRAWING NO. 01.28.102

SHEET NO.

PROGRESS PRINTS



A
FULL FLUSH

DOOR TYPES

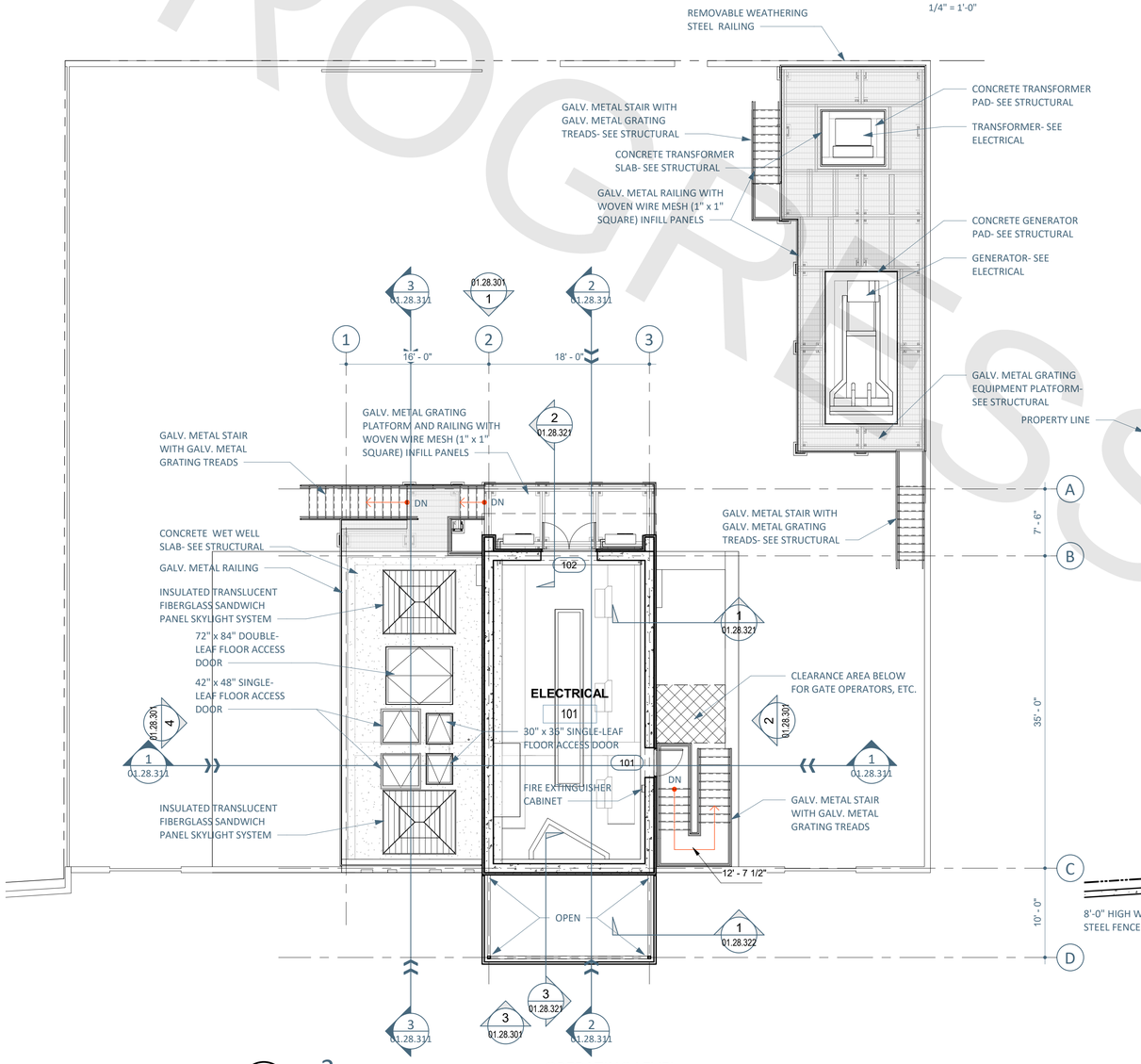
1/4" = 1'-0"

SCHEDULE OF FINISHES

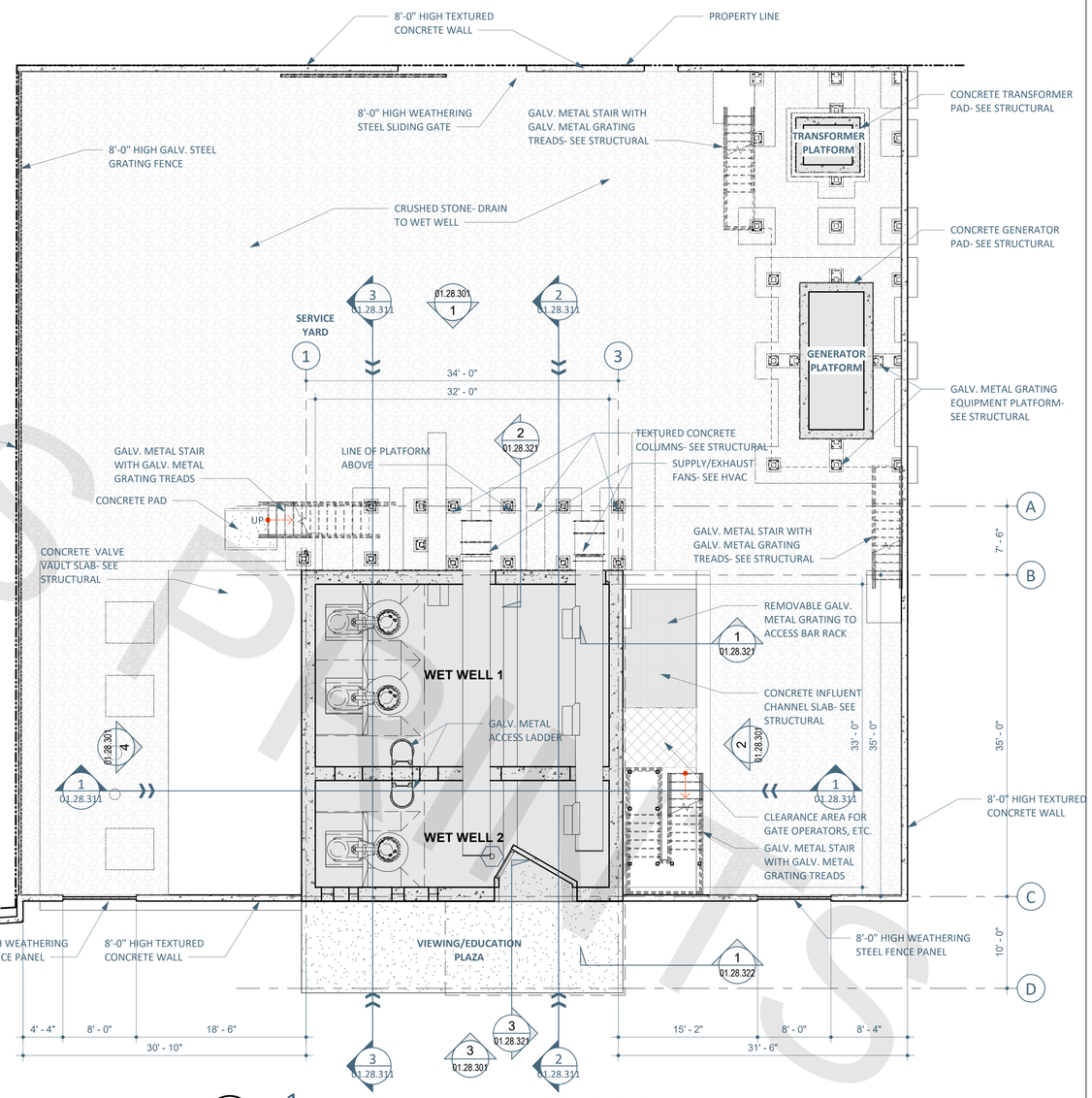
MARK	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CEILING HEIGHT	REMARKS
101	ELECTRICAL	SEALED CONCRETE	NONE	NONE	NONE		

SCHEDULE OF DOORS

MARK	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL	GLASS	FIRE RATING	REMARKS
101	3' - 0"	7' - 0"	1 3/4"	A	H.M.	OPAQUE	1	STEEL	OPAQUE				--	--	
102	6' - 0"	8' - 0"	1 3/4"	A	H.M.	OPAQUE	1	STEEL	OPAQUE				--	--	



2 OPERATING LEVEL
01.28.201 1/8" = 1'-0"



1 SERVICE LEVEL
01.28.201 1/8" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: DC
CHECKED BY: Checker
SCALE IN FEET
AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

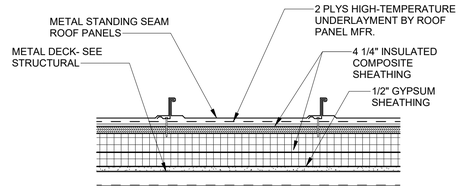
SIGNATURE/ BLOCK:

PROJECT TITLE:
Flood Risk Reduction Program

TOWN: BRIDGEPORT
DRAWING TITLE: FLOOR PLANS

PROJECT NO. 15-384
DRAWING NO. 01.28.201
SHEET NO.

PROGRESS PRINTS

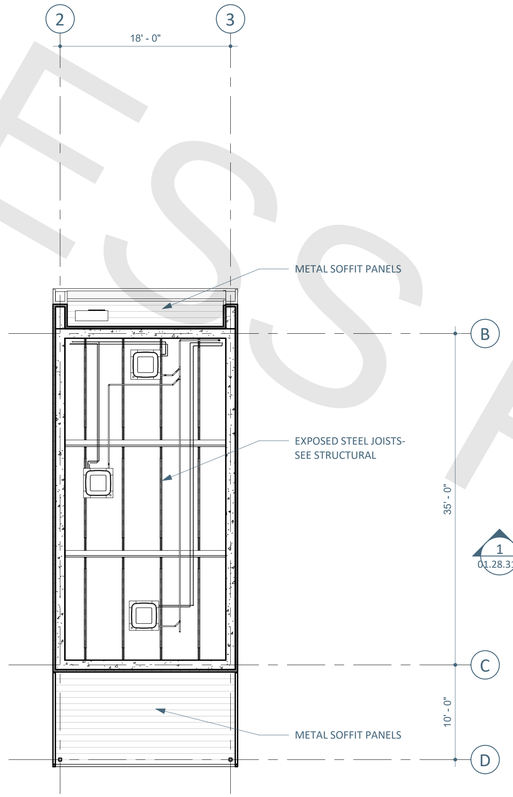


R1

STANDING SEAM METAL

ROOF TYPES

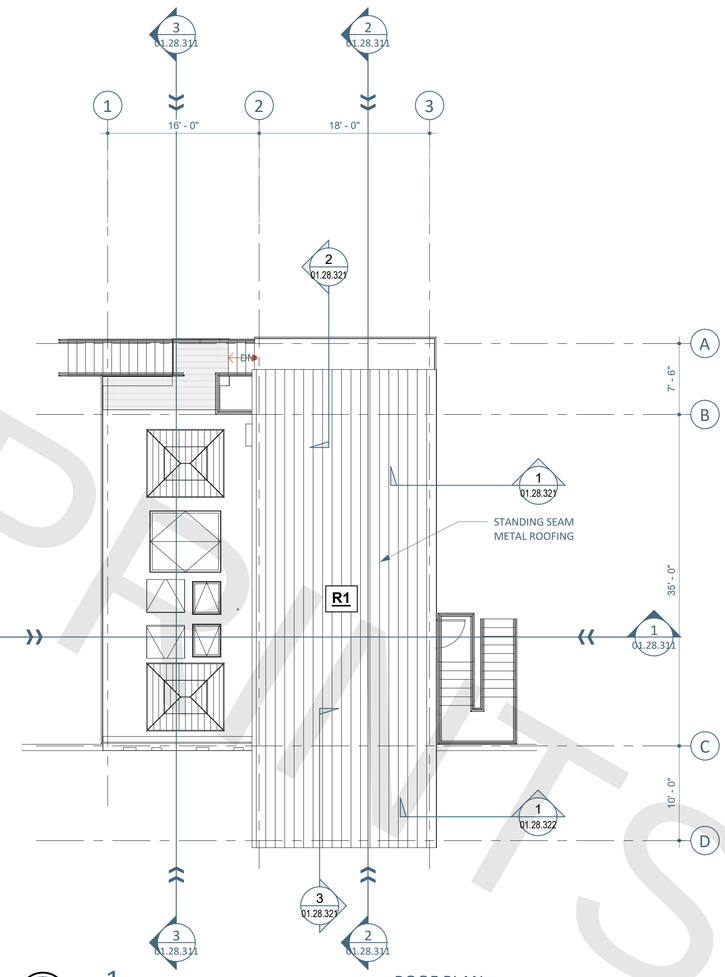
1 1/2" = 1'-0"



2 REFLECTED CEILING PLAN

01.28.221

1/8" = 1'-0"



1 ROOF PLAN

01.28.221

1/8" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: DC

CHECKED BY: Checker

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:

Flood Risk Reduction Program

TOWN: BRIDGEPORT

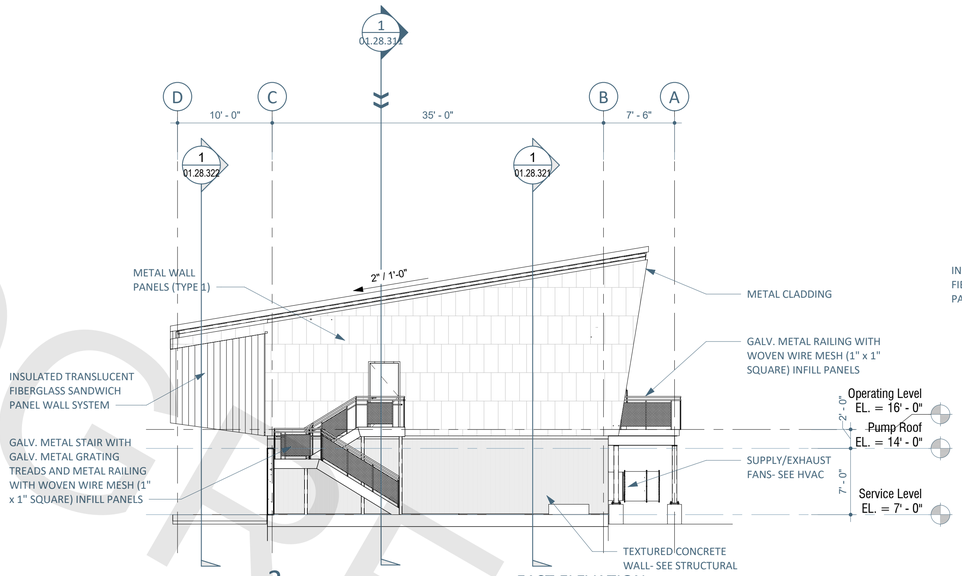
DRAWING TITLE: ROOF PLAN AND DETAILS

PROJECT NO. 15-384

DRAWING NO. 01.28.221

SHEET NO.

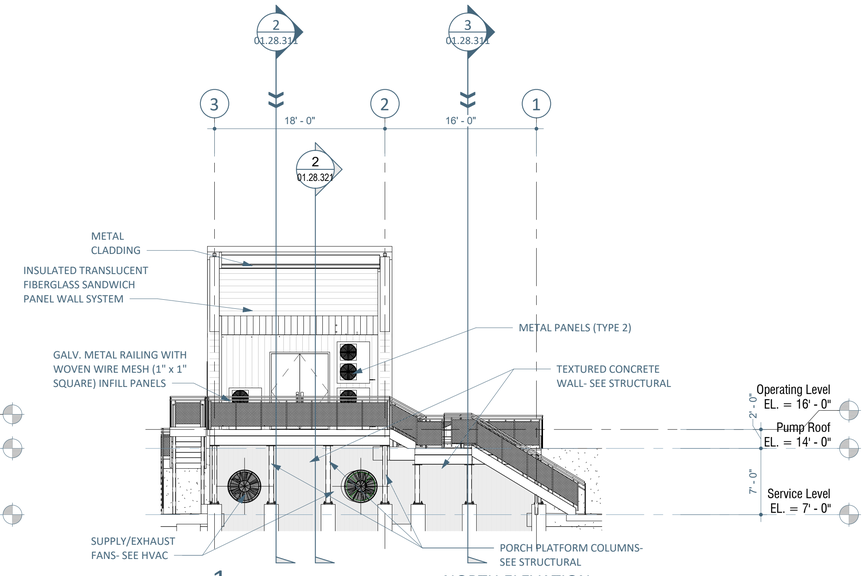
PROGRESS PRINTS



2 EAST ELEVATION

01.28.201 | 01.28.301

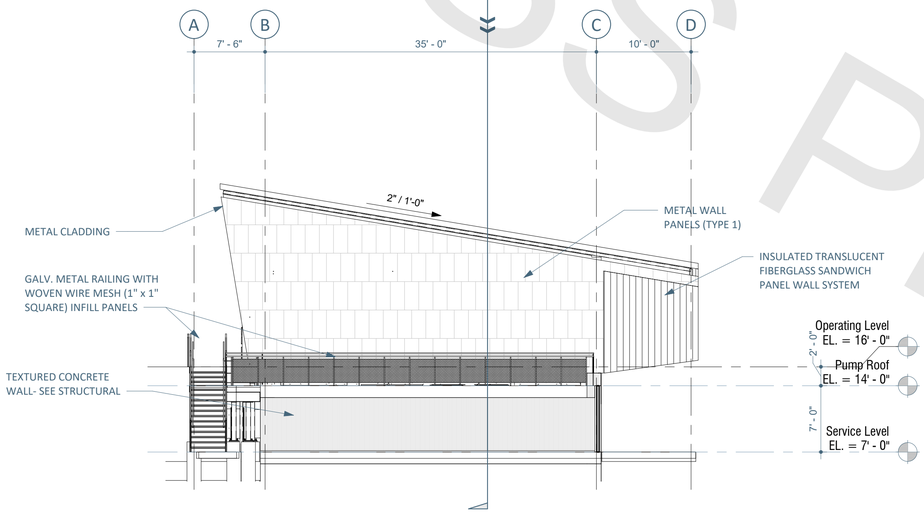
1/8" = 1'-0"



1 NORTH ELEVATION

01.28.201 | 01.28.301

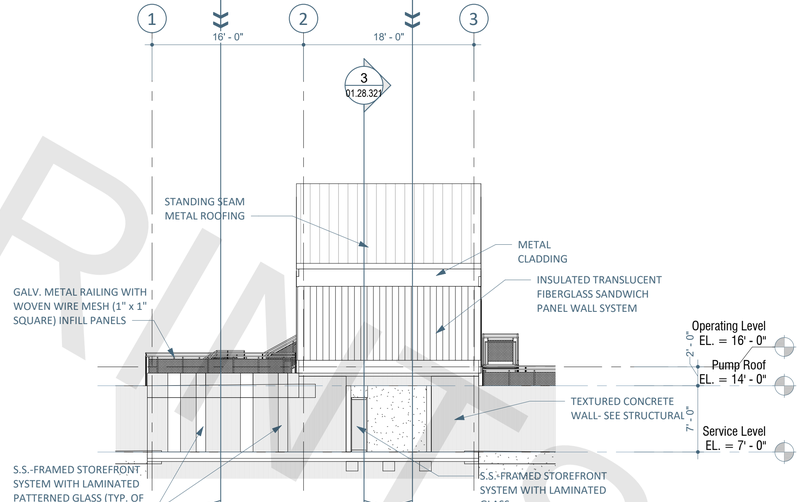
1/8" = 1'-0"



4 WEST ELEVATION

01.28.201 | 01.28.301

1/8" = 1'-0"



3 SOUTH ELEVATION

01.28.201 | 01.28.301

1/8" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: DC

CHECKED BY: Checker

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
Flood Risk Reduction Program

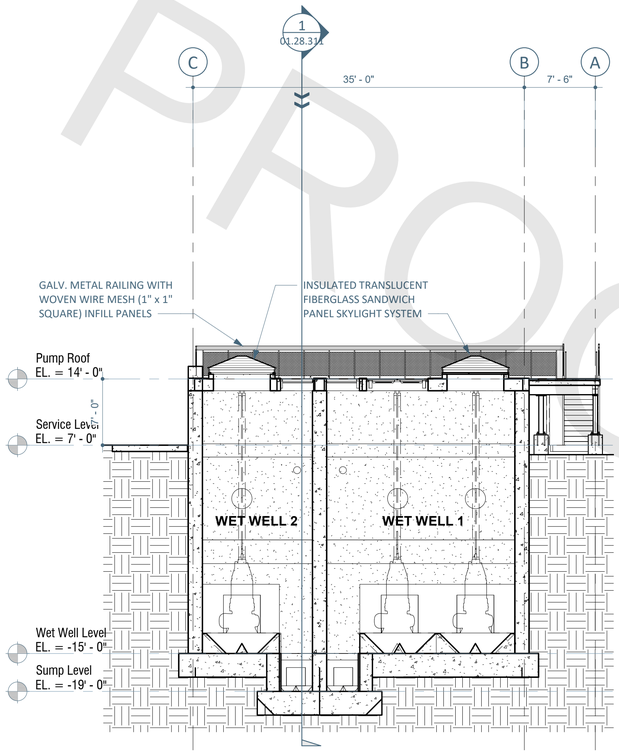
TOWN:
BRIDGEPORT

DRAWING TITLE:
BUILDING ELEVATIONS

PROJECT NO.
15-384

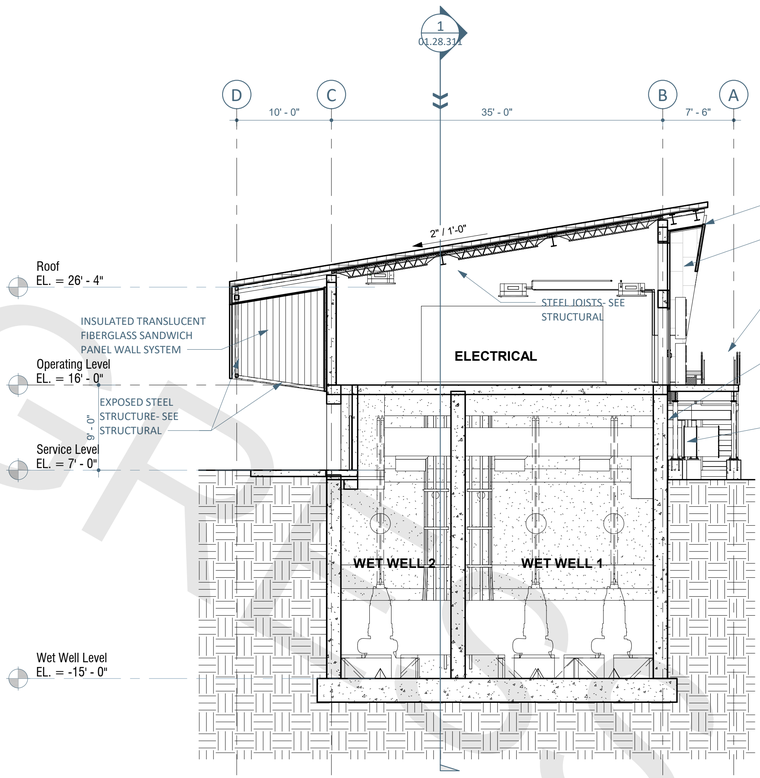
DRAWING NO.
01.28.301

SHEET NO.



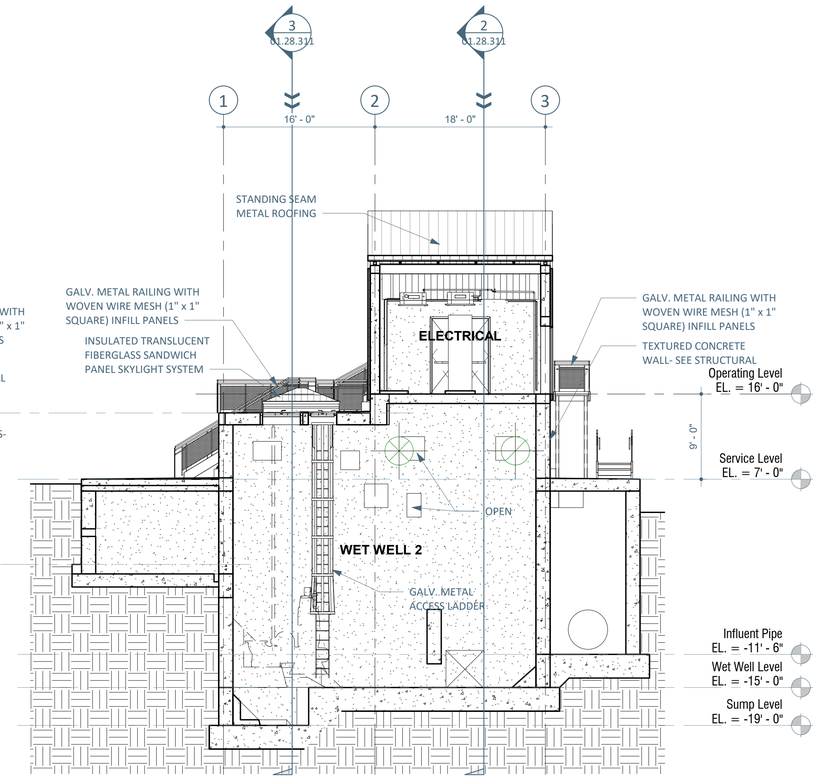
3 TRANSVERSE SECTION

01.28.201 | 01.28.311 1/8" = 1'-0"



2 TRANSVERSE SECTION

01.28.201 | 01.28.311 1/8" = 1'-0"



1 LONGITUDINAL SECTION

01.28.201 | 01.28.311 1/8" = 1'-0"

PROGRESS PRINTS

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: Author

CHECKED BY: Checker

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
Flood Risk Reduction Program

TOWN: BRIDGEPORT

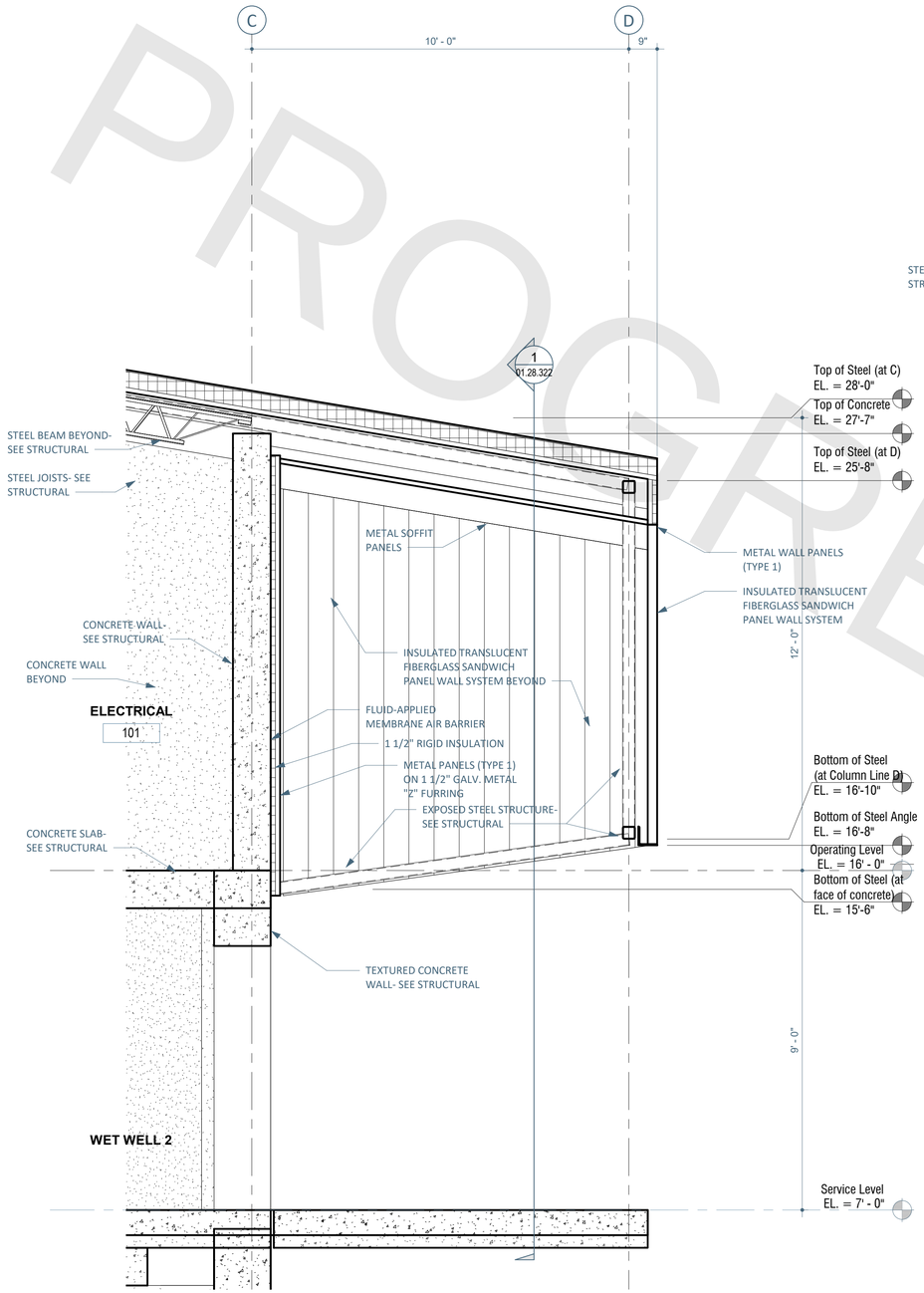
DRAWING TITLE: BUILDING SECTIONS

PROJECT NO. 15-384

DRAWING NO. 01.28.311

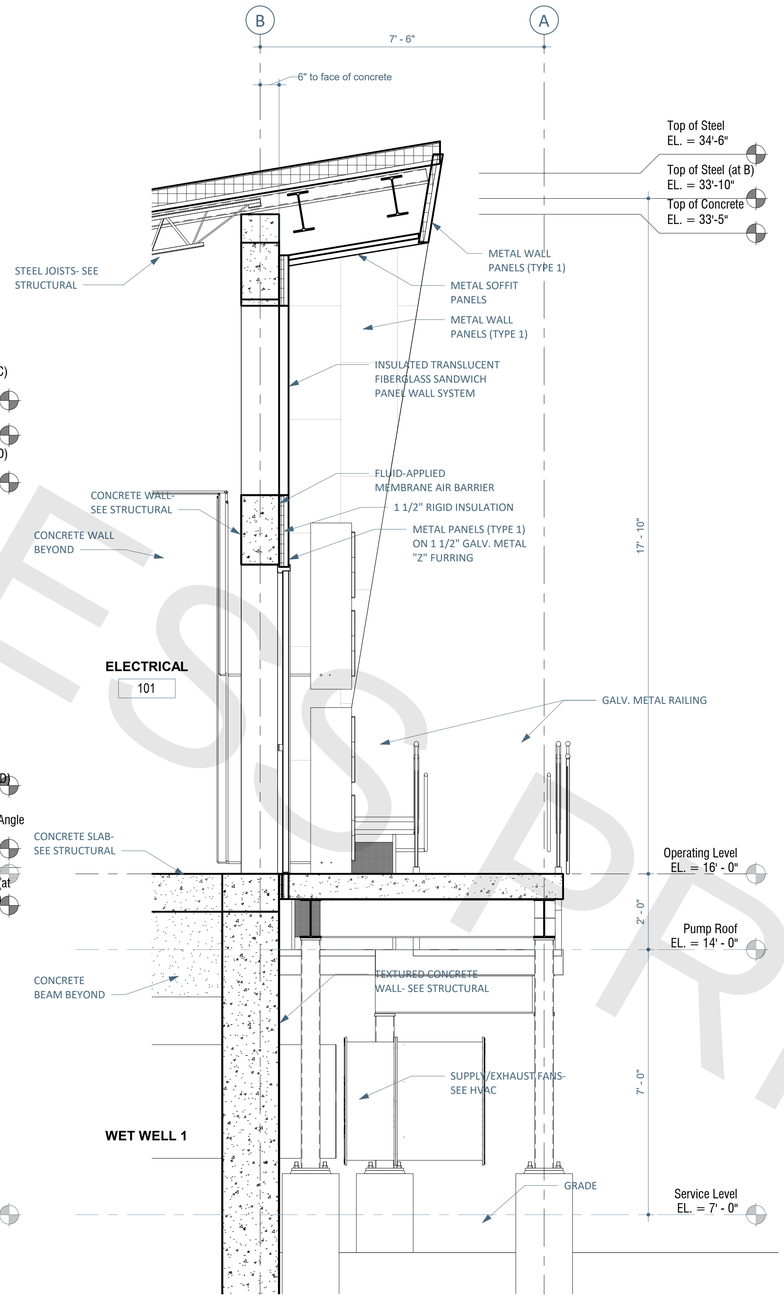
SHEET NO.

PROGRESS PRINTS



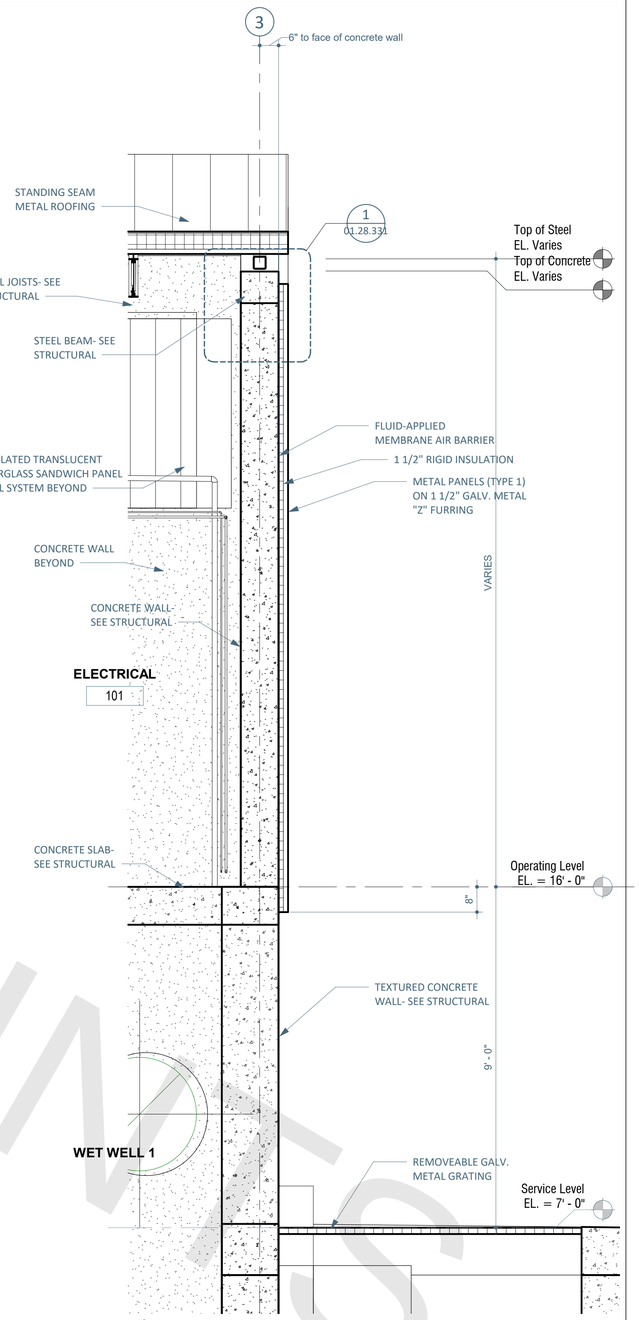
3 WALL SECTION thru Electrical South

01.28.201 | 01.28.321 1/2" = 1'-0"



2 WALL SECTION thru Electrical North

01.28.201 | 01.28.321 1/2" = 1'-0"



1 WALL SECTION thru Electrical East

01.28.201 | 01.28.321 1/2" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: DC

CHECKED BY: Checker

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE: Flood Risk Reduction Program

TOWN: BRIDGEPORT

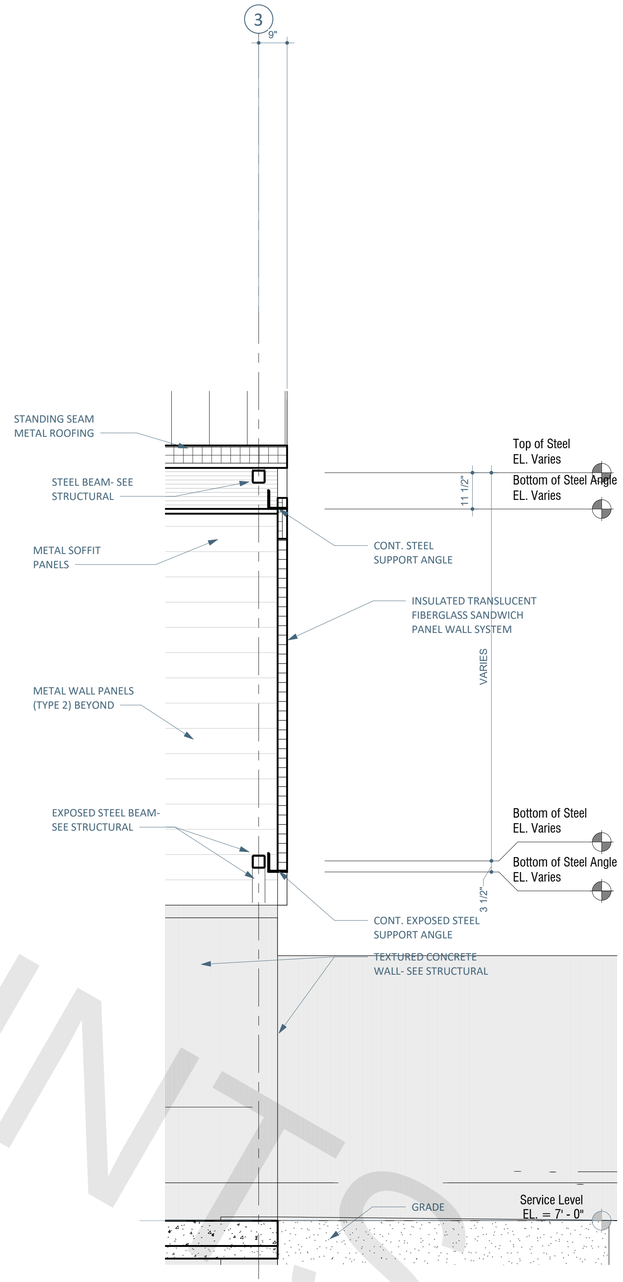
DRAWING TITLE: WALL SECTIONS

PROJECT NO. 15-384

DRAWING NO. 01.28.321

SHEET NO.

PROGRESS PRINTS



1 WALL SECTION thru Canopy East
1/2" = 1'-0"

01.28.201 | 01.28.322

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: DC

CHECKED BY: Checker

SCALE IN FEET

AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE: Flood Risk Reduction Program

TOWN: BRIDGEPORT

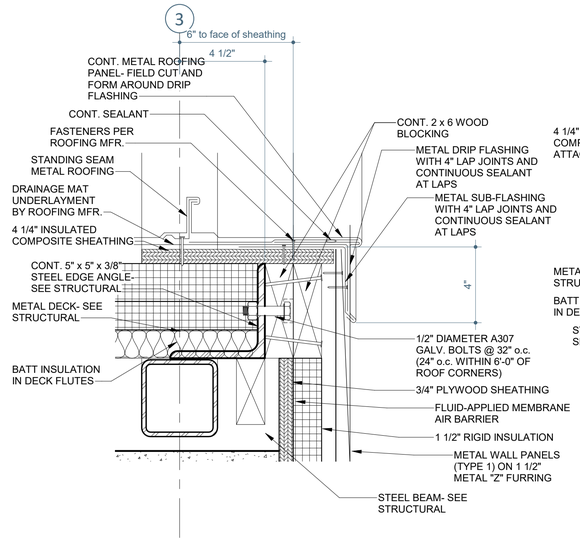
DRAWING TITLE: WALL SECTIONS

PROJECT NO. 15-384

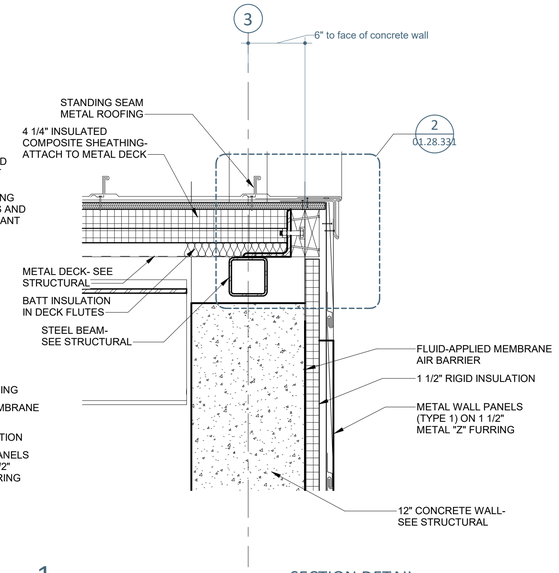
DRAWING NO. 01.28.322

SHEET NO.

PROGRESS PRINTS



2 FLASHING DETAIL at Roof Rake Edge
01.28.331 | 01.28.331
3" = 1'-0"



1 SECTION DETAIL at Roof Rake Edge
01.28.321 | 01.28.331
1 1/2" = 1'-0"

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: DC
CHECKED BY: Checker
SCALE IN FEET
AS SHOWN

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WSP USA
500 Winding Brook Dr. Glastonbury, CT

WAGGONNER & BALL
WAGGONNER & BALL
2200 Prytania St. New Orleans, LA

ARCADIS
ARCADIS
75 Glen Rd. Sandy Hook, CT

SIGNATURE/ BLOCK:

PROJECT TITLE:
Flood Risk Reduction Program

TOWN: BRIDGEPORT

DRAWING TITLE: SECTION DETAILS

PROJECT NO. 15-384
DRAWING NO. 01.28.331
SHEET NO.

***ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #**

****REVISED OR ADDED**

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-286_01	DRAINAGE TRENCH EXCAVATION	7-15-20
	HW-506_01	ENDWALLS, SLOPE PAVED INLETS AND OUTLETS	1-26-12
	HW-506_02	TYPE "D-G" & "L" ENDWALLS	7-13-12
	HW-506_03	ENDWALLS FOR PIPE - ARCH	9-18-09
✓	HW-586_01	CATCH BASIN AND DROP INLET TYPES "C" AND "C-L"	7-15-20
	HW-586_02	CATCH BASIN TOPS (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE I	7-15-20
	HW-586_03	CATCH BASIN TOPS (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE II	7-15-20
	HW-586_04	PRECAST CATCH BASIN AND ROUND STRUCTURE	7-15-20
	HW-586_05	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE I	7-15-20
	HW-586_06	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE II	7-15-20
✓	HW-586_07	CATCH BASIN TOPS TYPE "C" AND "C-L"	7-15-20
✓	HW-586_08	CATCH BASIN FRAMES AND GRATES	7-15-20
✓	HW-586_09	CATCH BASIN LOCK DOWN TOPS	7-15-20
✓	HW-586_10a	MANHOLE FRAME AND COVER	7-15-20
✓	HW-586_10b	MANHOLE FRAME AND GRATE	7-15-20
	HW-586_10c	REINFORCED PRECAST CONCRETE MANHOLE	7-15-20
	HW-586_10d	MANHOLE NON-PRECAST CONCRETE UNIT	7-15-20
	HW-686_01	C.C.M. PIPE INSTALLATION	7-15-20
✓	HW-686_02	PIPE ENDS	7-15-20
✓	HW-751_01	UNDERDRAINS AND UNDERDRAIN OUTLETS	7-12-12
	HW-803_01a	PAVED APRONS	6-07-17
	HW-803_01b	PAVED DITCHES AND PAVED CHANNELS	6-07-17
	HW-811_01	CONCRETE CURBING	6-07-17
	HW-813_01	GRANITE STONE TRANSITION CURBING	7-24-13
✓	HW-813_02	STONE CURBING	6-07-17
	HW-815_01	BITUMINOUS CONCRETE CURBING	6-07-17
	HW-821_01a	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12
	HW-821_01b	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10
	HW-821_01c	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	1-26-12
	HW-821_02a	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	1-27-20
	HW-821_02b	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	1-27-20
	HW-821_03a	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-821_03b	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10
	HW-821_03c	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	10-18-10
	HW-821_03d	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 4	10-18-10
	HW-821_03e	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) F-SHAPE	7-24-13
	HW-821_04a	MERRITT PARKWAY NARROW MEDIAN BARRIER	6-09-11
	HW-821_04b	MERRITT PARKWAY - 2' (610) WIDE MEDIAN BARRIER AND ROADSIDE BARRIER	7-24-13
	HW-821_05a	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 1	1-26-12
	HW-821_05b	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 2	1-26-12
	HW-821_06	54" (1372) VERTICAL SHAPE BARRIER	2-06-12
	HW-821_07	MISCELLANOUS DETAILS FOR BARRIER TRANSITIONS	7-12-12
	HW-821_08a	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM	1-09-20
	HW-821_08b	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM - REINF.	1-09-20
	HW-821_09a	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM	1-09-20
	HW-821_09b	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM - REINF.	1-09-20
	HW-821_10a	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM	1-09-20
	HW-821 10b	VERTICAL FACE CONC. (21"X54") TRANSITION FOR THRIE-BEAM REINF	1-09-20
	HW-821_11a	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 1	1-27-20
	HW-821_11b	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 2	1-27-20
✓	HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	7-24-13
✓	HW-822 02a	TEMPORARY TRAFFIC BARRIER - DETAILS	3-18-21
	HW-822 02b	TEMPORARY TRAFFIC BARRIER (BOLTED)	3-18-21
✓	HW-822 02c	TEMPORARY TRAFFIC BARRIER & TEMPORARY TRAFFIC BARRIER (PINNED)	3-18-21
	HW-905_01	STONE WALL FENCE	1-25-19
	HW-906_01	WIRE FENCE	1-25-19
	HW-910_01	W-BEAM METAL BEAM RAIL HARDWARE	6-09-11
	HW-910_02	METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	6-09-11
	HW-910_03	METAL BEAM RAIL (TYPE MD-B 350) GUIDERAIL	6-09-11
	HW-910_04	METAL BEAM RAIL (TYPE R-B 350) SYSTEMS 5, 5A, & 6	6-09-11
	HW-910_05	METAL BEAM RAIL R-B 350 SPAN TYPE I, II, III SECTIONS	7-24-13
	HW-910_06	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	6-09-11
	HW-910_07	R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET	1-25-19
	HW-910_08	R-B 350 BRIDGE ATTACHMENT TRAILING END	6-09-11

PROGRESS PRINTS

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:

HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:

1 OF 2

PLOTTED DATE: 3/18/2021

***ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #**

****REVISED OR ADDED**

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-910 09a	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 1	7-15-20
	HW-910 09b	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 2	7-15-20
	HW-910 10	METAL BEAM RAIL 8" (203) x 6" (152) BOX BEAM	7-24-13
	HW-910 11	CURVED GUIDERAIL TREATMENT DETAIL	7-25-12
	HW-910_12a	MERRITT PARKWAY GUIDERAIL LEADING END ATTACHMENTS AND SYSTEMS 2&3	7-24-13
	HW-910_12b	MERRITT PARKWAY GUIDERAIL HARDWARE DETAILS	7-24-13
	HW-910_12c	MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS	7-24-13
	HW-910_12d	MERRITT PARKWAY MEDIAN GUIDERAIL AND END ANCHOR	6-09-11
	HW-910_13a	THRIE-BEAM METAL BEAM RAIL HARDWARE	7-24-13
	HW-910_13b	THRIE-BEAM TRANSITIONS	7-24-13
	HW-910_14a	THRIE-BEAM 350 BRIDGE ATTACHMENT	6-09-11
	HW-910_14b	THRIE-BEAM 350 GUIDERAIL TRANSITION TO R-B 350 GUIDERAIL	6-09-11
	HW-910_15	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE I	6-09-11
	HW-910_16	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE II	6-09-11
	HW-910_17	R-B TERMINAL SECTION	7-24-13
	HW-910_18	METAL BEAM RAIL (TYPE MD-I) GUIDERAIL	10-18-10
	HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	7-24-13
	HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	7-24-13
	HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	7-24-13
✓	HW-910_20	MASH W-BEAM HARDWARE	1-05-18
✓	HW-910_21	METAL BEAM RAIL (R-B MASH) GUIDERAIL	1-25-19
	HW-910_22	METAL BEAM RAIL (MD-B MASH) GUIDERAIL	1-05-18
✓	HW-910_23	METAL BEAM RAIL (R-B MASH) HALF & QUARTER POST SPACING GUIDERAIL	1-05-18
	HW-910_24	METAL BEAM RAIL SPAN SECTION TYPES II AND III	1-05-18
	HW-910_25	METAL BEAM RAIL TRANSITION 350 TO MASH	1-05-18
	HW-910_26	THRIE-BEAM ATTACHMENT HARDWARE	1-09-20
	HW-910_27	THRIE-BEAM ATTACHMENT	1-09-20
✓	HW-911_01	R-B END ANCHORAGE TYPE I AND II	1-25-19
	HW-911_02	MD-B END ANCHORAGE TYPE I	1-05-18
	HW-911_03	ANCHOR IN EARTH CUT SLOPE & ANCHOR IN ROCK CUT SLOPE	10-18-10
	HW-911_05	MERRITT PARKWAY GUIDERAIL END ANCHORS	7-24-13

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-913_01a	CHAIN LINK FENCE	5-06-19
	HW-913_01b	CHAIN LINK FENCE HARDWARE	5-06-19
	HW-913_02	CHAIN LINK FENCE GATES	5-06-19
	HW-918_01a	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 1	7-24-13
	HW-918_01b	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 2	1-26-12
	HW-918_01c	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 3	7-24-13
✓	HW-921_01	DRIVEWAY RAMPS AND SIDEWALKS	6-07-17
✓	HW-949_01a	LANDSCAPE PLANTING	6-15-19
✓	HW-949_01b	TREE STAKING	6-15-19
	HW-1800_01	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (FLARED AND TANGENTIAL)	1-25-19
	HW-1800 02	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (MEDIAN/GORE)	1-25-20

PROGRESS PRINTS

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

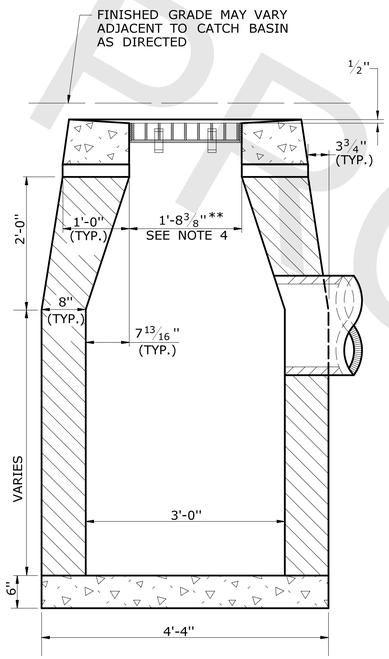
STANDARD SHEET TITLE:

HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:

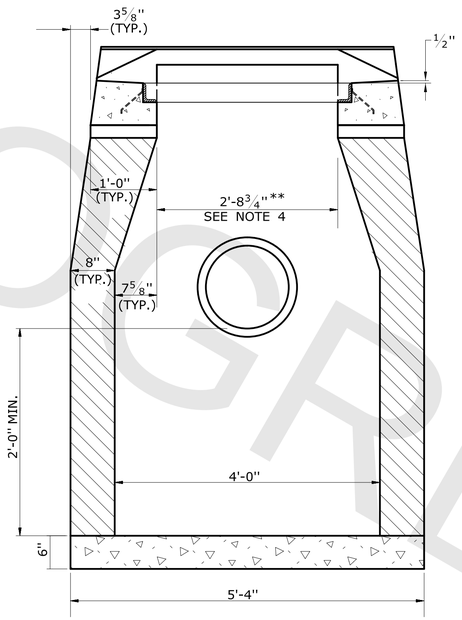
2 OF 2

PLOTTED DATE: 3/18/2021



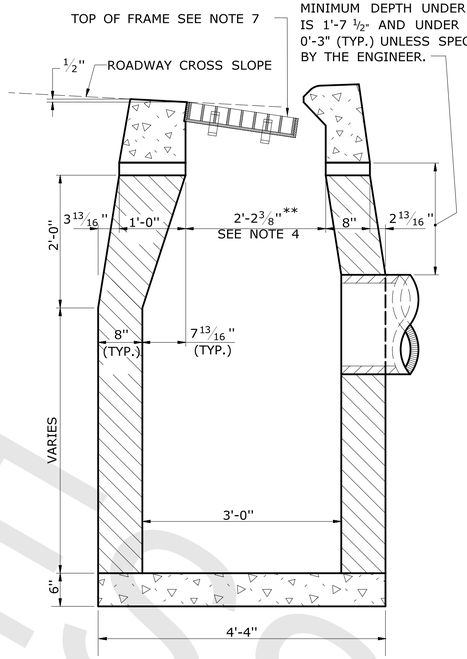
SECTION B

TYPE "C-L" CATCH BASIN



SECTION A

TYPE "C" & "C-L" CATCH BASIN (TYPE "C" TOP SHOWN)

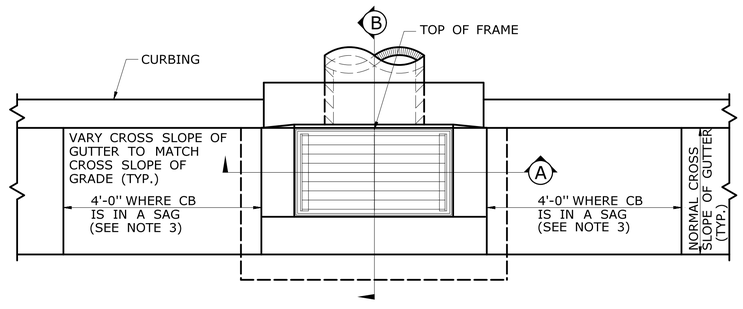


SECTION B

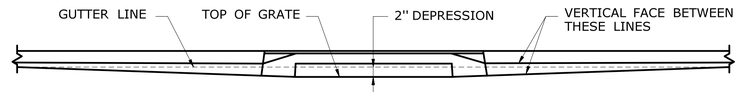
TYPE "C" CATCH BASIN

GENERAL NOTES:

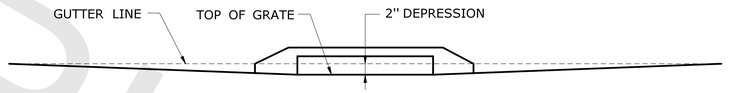
1. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586_07.
2. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL.
3. USE 6'-0" ON UPGRADE SIDE (SEE PLAN VIEW) OF CONTINUOUS GRADE AND 1'-0" ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED BY THE ENGINEER.
4. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE DIMENSIONS SHOWN. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3". NO PROJECTION SHALL EXTEND INSIDE THE LIMITS FOR THE CATCH BASIN OPENINGS SHOWN IN THE SECTION VIEWS **.
5. WALL THICKNESS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. 12" THICKNESS SHALL START AFTER THE FIRST 10'.
6. SPACERS CAN BE EITHER CONCRETE MASONRY UNIT OR PRECAST WITH THE REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE THE PROPER GRADE SHOWN ON THE PLANS.
7. TOP OF FRAME ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE AT GUTTER LINE.



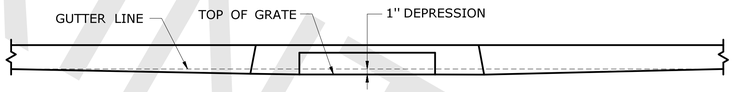
PLAN



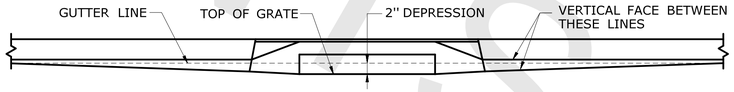
CATCH BASINS IN A LINE WITH 4" CONCRETE PARK CURBING OR 4" BITUMINOUS CONCRETE PARK CURBING



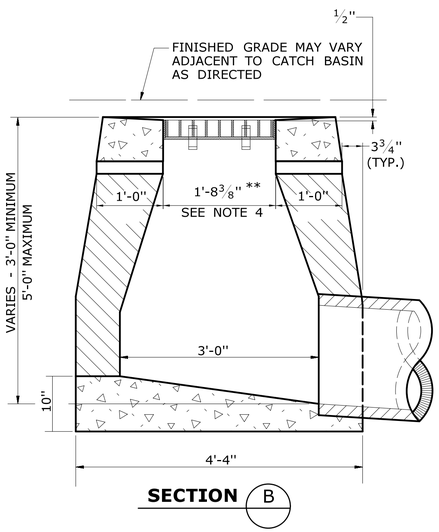
CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



CATCH BASINS IN A LINE WITH 6" CONCRETE CURBING OR 6" STONE CURBING

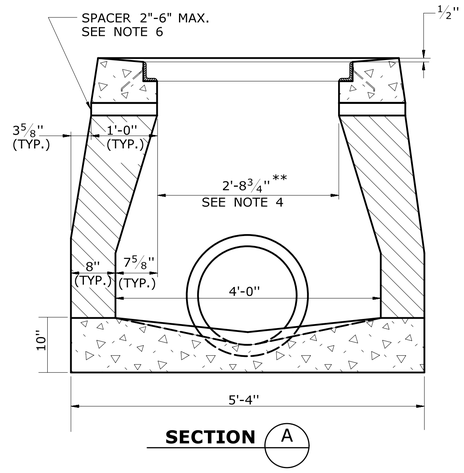


CATCH BASINS IN A LINE WITH 6" BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)



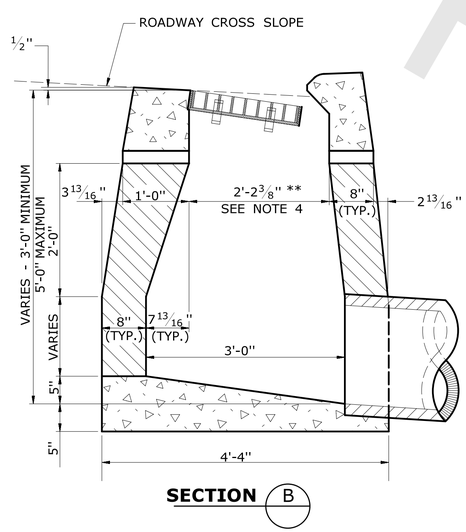
SECTION B

TYPE "C-L" DROP INLET



SECTION A

TYPE "C" & "C-L" DROP INLET (TYPE "C-L" TOP SHOWN)



SECTION B

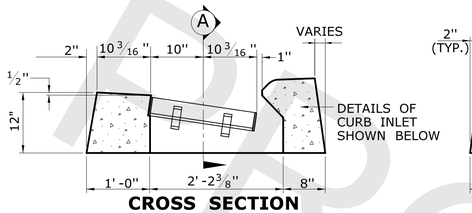
TYPE "C" DROP INLET

DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN

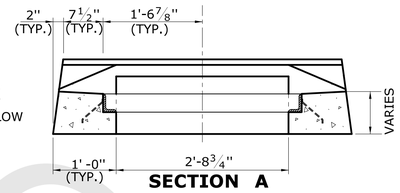
	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN AND DROP INLET TYPES "C" AND "C-L" / STANDARD SHEET NO.: HW-586_01

PLOTTED DATE: 7/7/2020

PROGRESS PRINTS

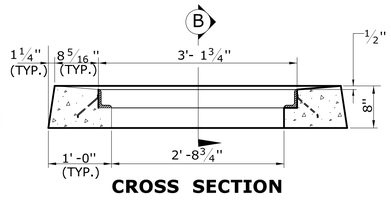


CROSS SECTION

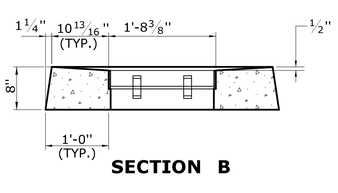


SECTION A

TYPE "C" CATCH BASIN TOP



CROSS SECTION

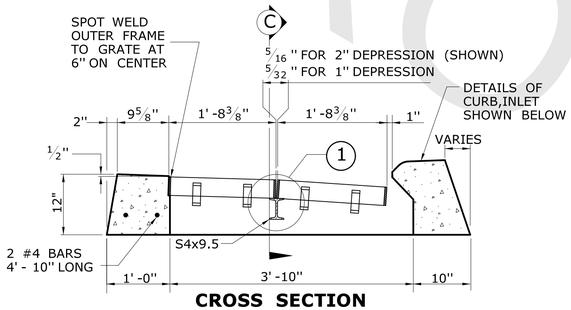


SECTION B

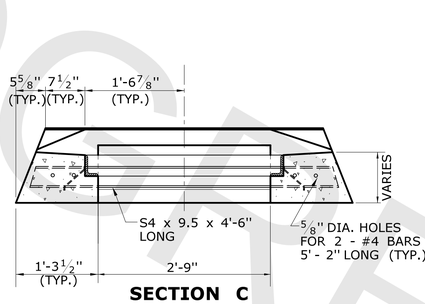
TYPE "C-L" CATCH BASIN TOP

GENERAL NOTES:

1. FOR DETAILS OF FRAMES AND GRATES, SEE SHEET NO. HW-586_08.
2. ALL BARS SHALL HAVE A MINIMUM 2" COVER.

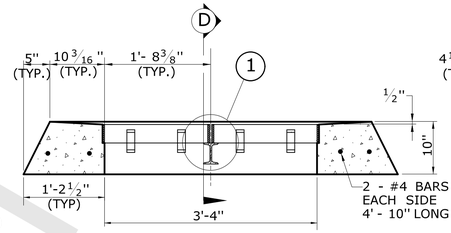


CROSS SECTION

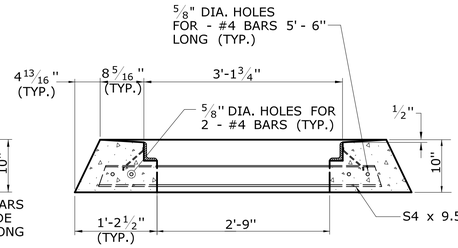


SECTION C

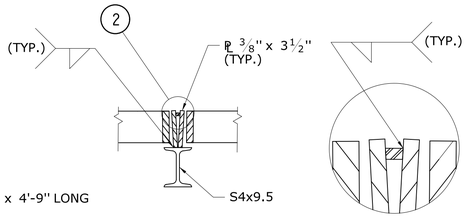
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP



CROSS SECTION



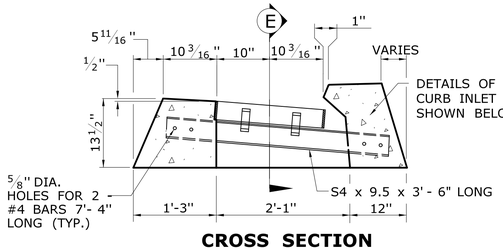
SECTION D



DETAIL "1"

DETAIL "2"

TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I TOP



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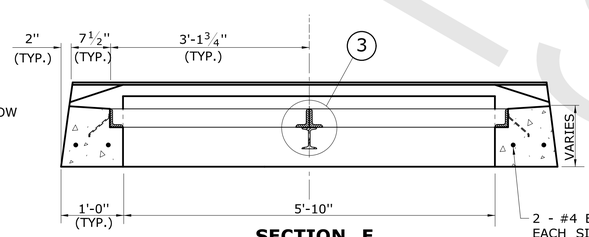
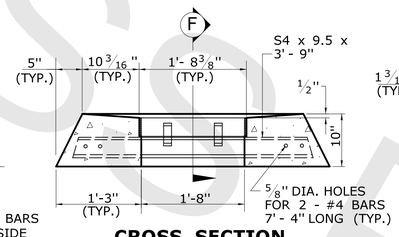
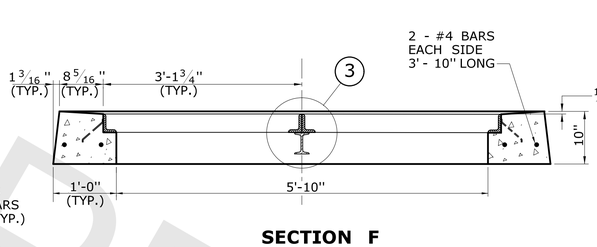


SECTION E

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II TOP

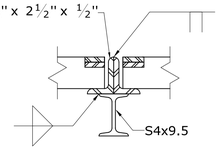


CROSS SECTION

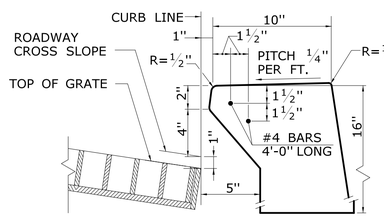


SECTION F

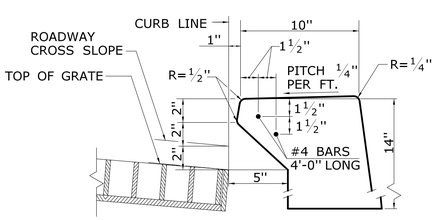
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP



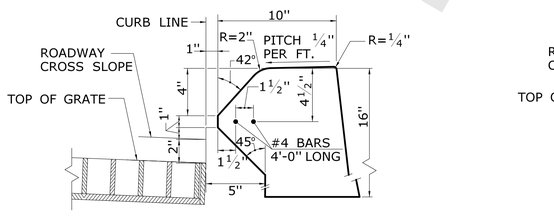
DETAIL "3"



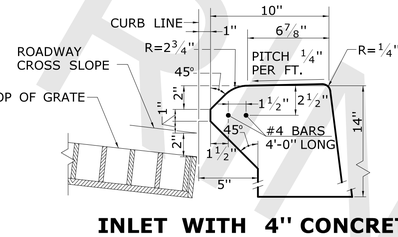
INLET WITH 6" CONCRETE OR STONE CURBING FOR TYPE "C" CB



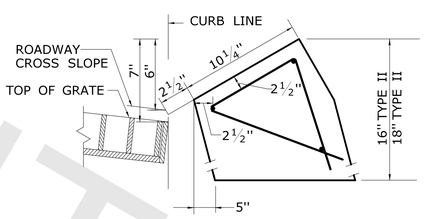
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB



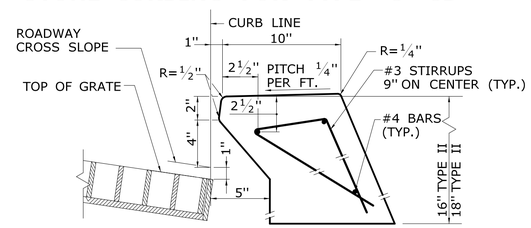
INLET WITH 6" BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB



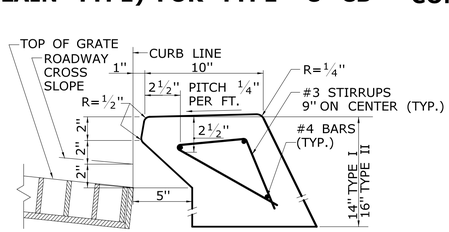
INLET WITH 4" CONCRETE PARK CURBING FOR TYPE "C" CB



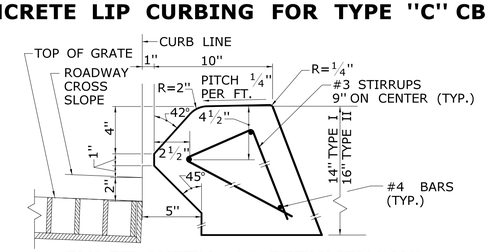
INLET WITH GRANITE SLOPE CURB FOR TYPE "C" CB



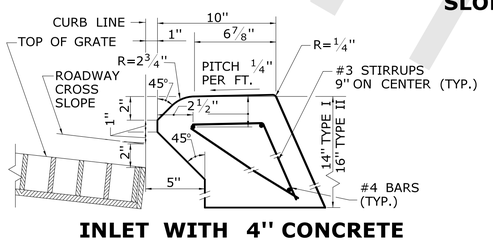
INLET WITH 6" CONCRETE OR STONE CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



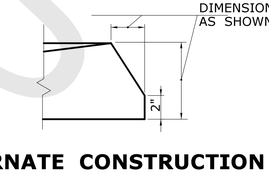
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 6" BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 4" CONCRETE PARK CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



ALTERNATE CONSTRUCTION OF TYPE II TOP

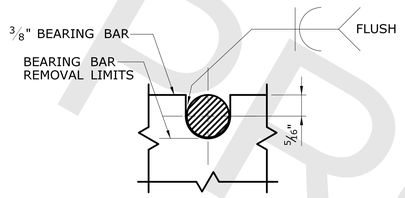
	NOT TO SCALE ###	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET

STANDARD SHEET TITLE: CATCH BASIN TOPS TYPE "C" AND "C-L"

STANDARD SHEET NO.: HW-586_07

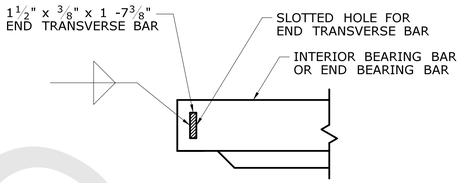
PLOTTED DATE: 6/30/2020

PROJECTS

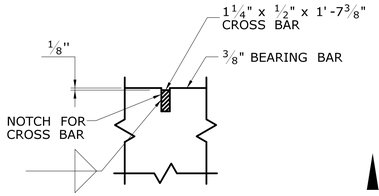


NOTE:
5/8" DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

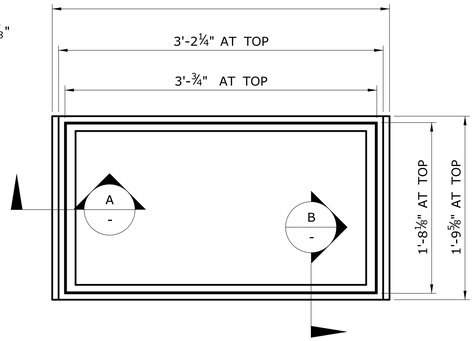
ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A



END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A AND B



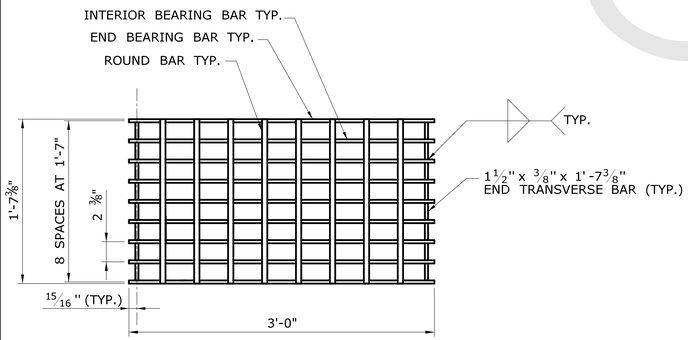
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



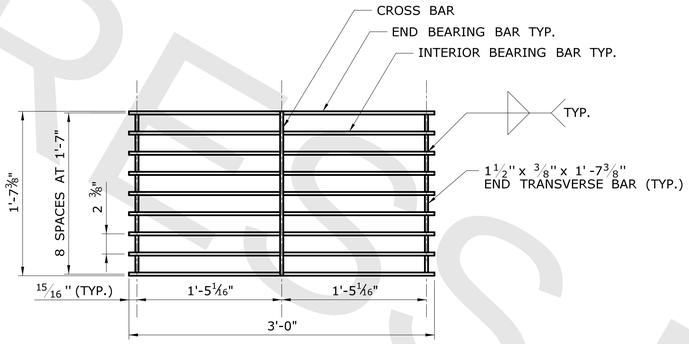
PLAN

GENERAL NOTES:

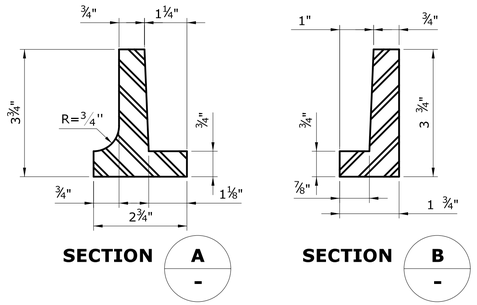
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" AND "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR ON HEAVY DUTY LOCK DOWN TOPS AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. DO NOT GALVANIZE CAST IRON FRAMES.
5. DIMENSIONAL TOLERANCES SHALL BE ± 1/16 INCH.
6. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.



PLAN

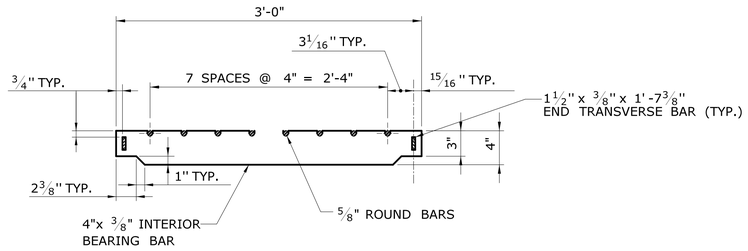


PLAN

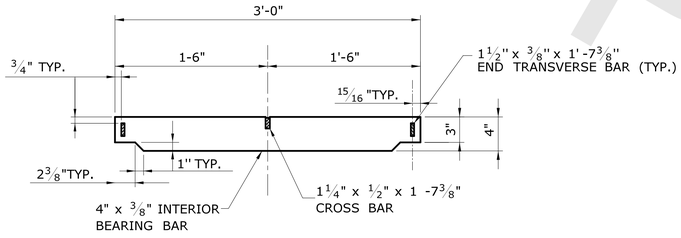


SECTION A (-) **SECTION B** (-)

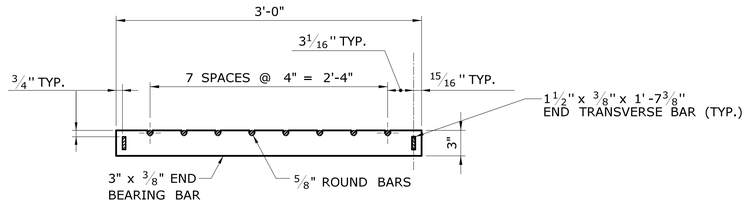
CAST IRON FRAME ALTERNATE



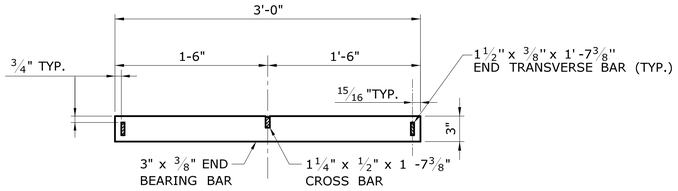
ELEVATION- INTERIOR BEARING BAR



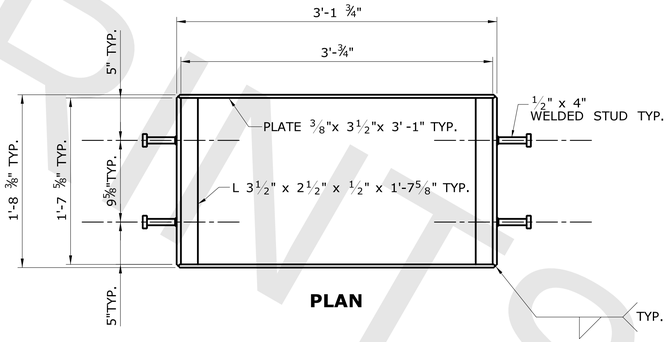
ELEVATION- INTERIOR BEARING BAR



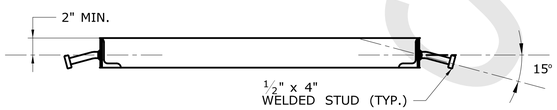
ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A



ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B



PLAN



WELDED STUD ANCHOR DETAILS
STEEL FRAME

	NOT TO SCALE ###	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN FRAMES AND GRATES	STANDARD SHEET NO.: HW-586_08

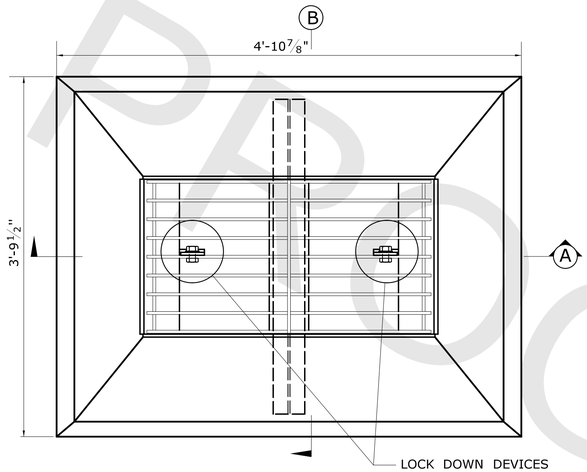
PLOTTED DATE: 6/30/2020

PROGRESS PRINTS

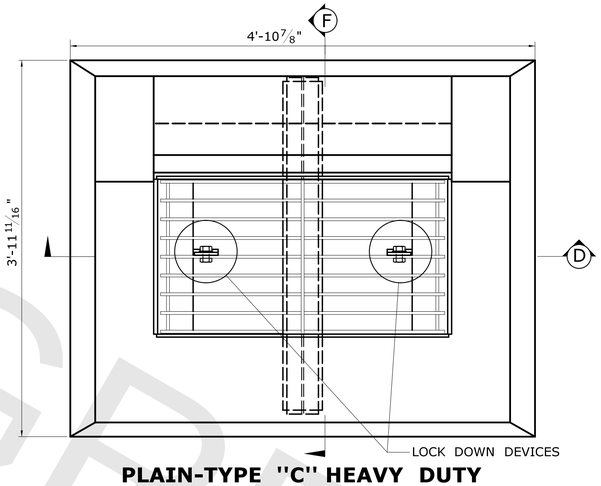
PROGRESS PRINTS

GENERAL NOTES:

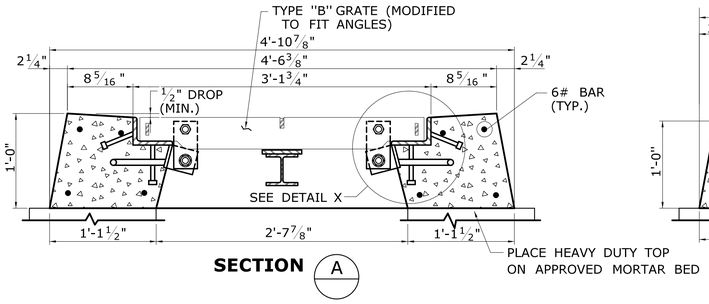
1. LOCK DOWN DEVICES SHALL BE INSTALLED AND MAINTAINED WHEN TRAFFIC WILL BE TRAVELING OVER CATCH BASIN WITH TYPE "A" GRATES OR TYPE "B" GRATES AS DIRECTED BY THE ENGINEER.
2. FOR FRAMES AND GRATES DETAILS, SEE SHEET NO. HW-586_08
3. 4" BITUMINOUS CONCRETE PARK CURBING SHOWN FOR THE "C" TOP.



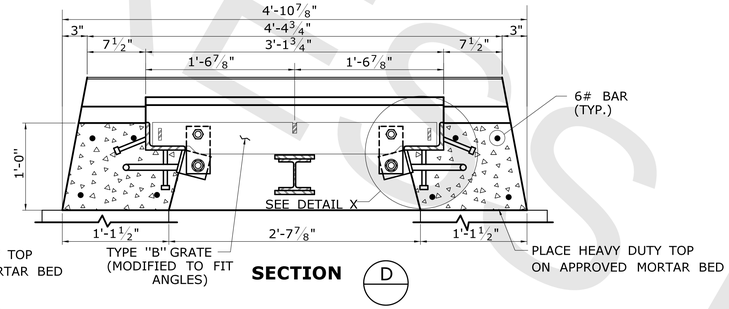
PLAIN-TYPE "C-L" HEAVY DUTY CATCH BASIN TOP



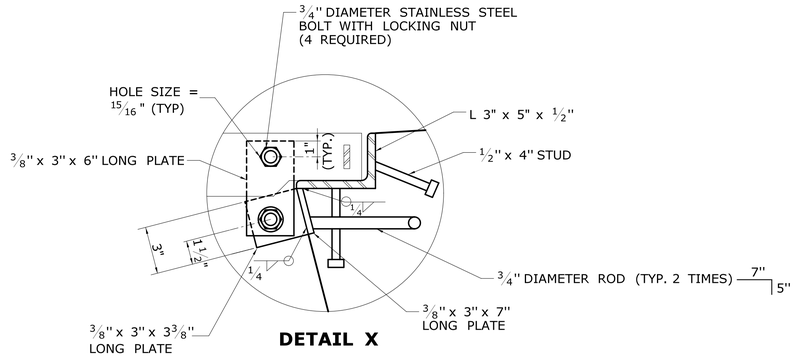
PLAIN-TYPE "C" HEAVY DUTY CATCH BASIN TOP



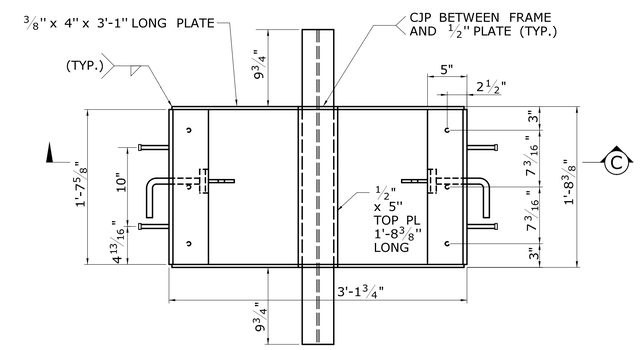
SECTION A



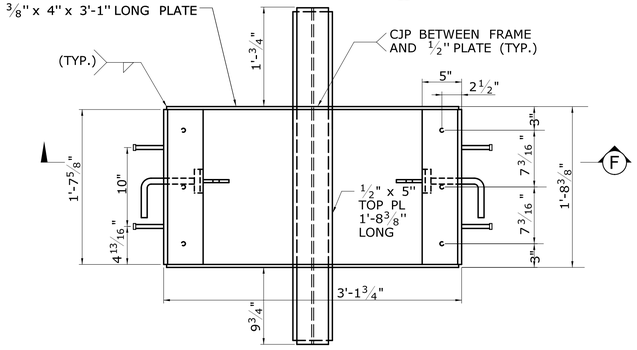
SECTION D



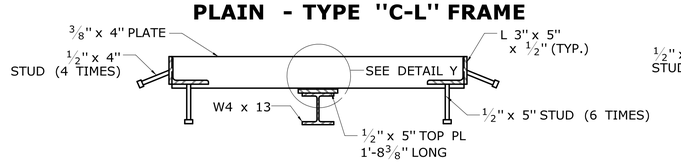
DETAIL X



PLAIN - TYPE "C-L" FRAME

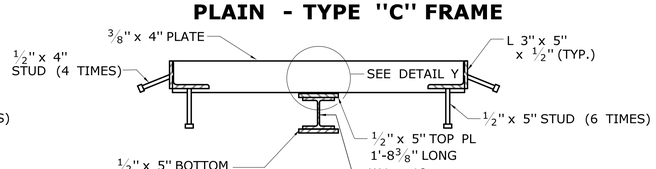


PLAIN - TYPE "C" FRAME



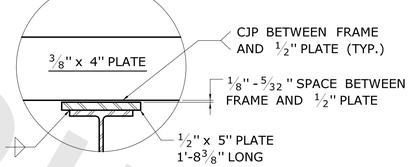
SECTION C

TYPE "C-L" HEAVY DUTY CATCH BASIN FRAME

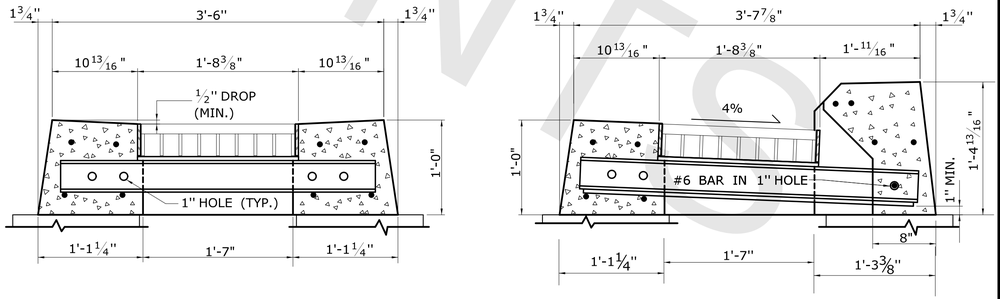


SECTION F

TYPE "C" HEAVY DUTY CATCH BASIN FRAME



DETAIL Y



SECTION B

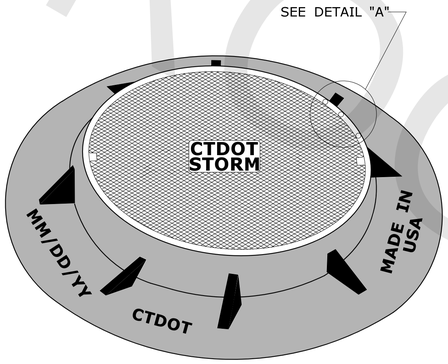
	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN LOCK DOWN TOPS / STANDARD SHEET NO.: HW-586_09

PLOTTED DATE: 6/30/2020

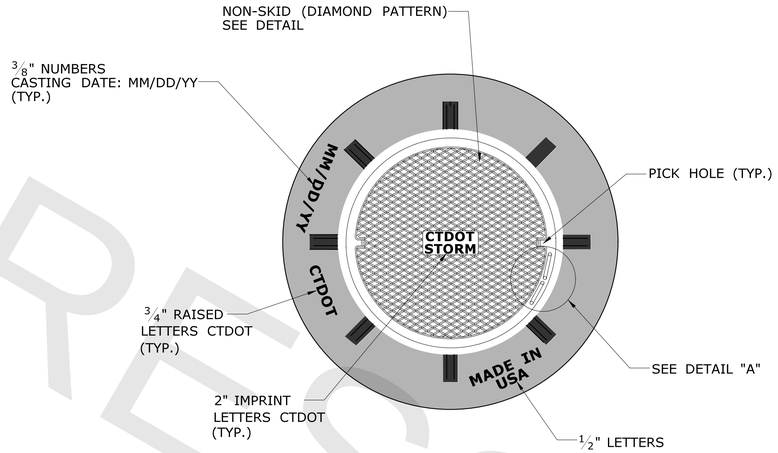
PROGRESS PRINTS

GENERAL NOTES:

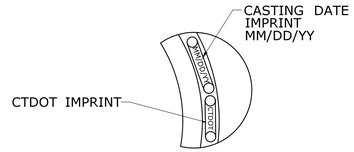
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.



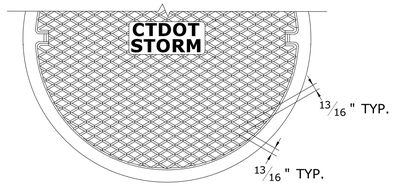
MANHOLE FRAME AND COVER



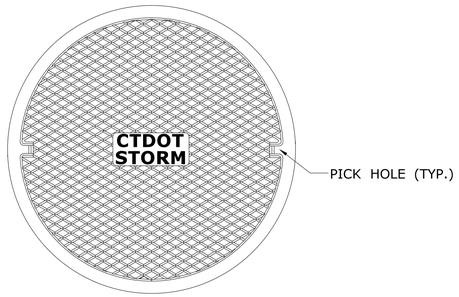
PLAN



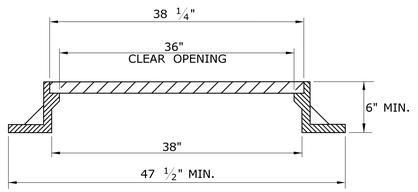
DETAIL "A"



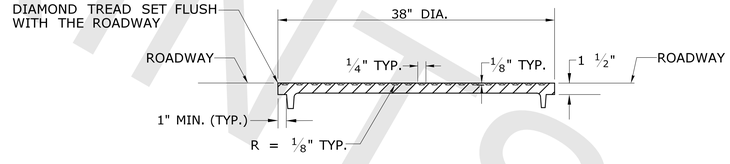
DIAMOND PATTERN PLAN



MANHOLE COVER PLAN



MANHOLE FRAME AND COVER



MANHOLE COVER WITH DIAMOND PATTERN

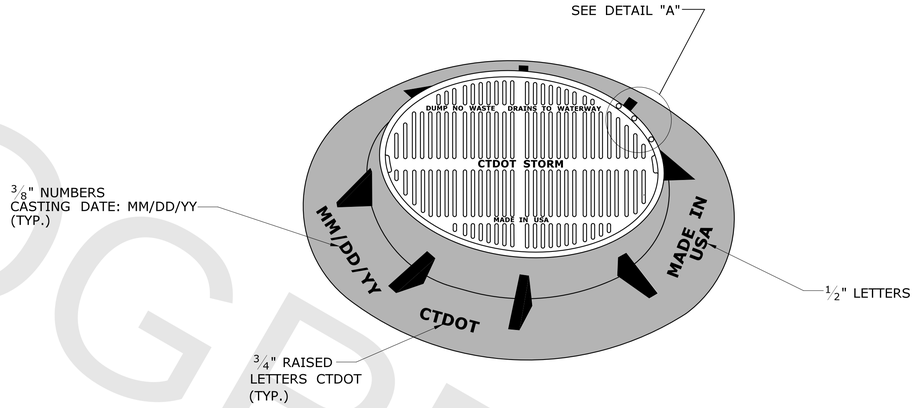
	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: MANHOLE FRAME AND COVER	STANDARD SHEET NO.: HW-586_10a

PLOTTED DATE: 6/30/2020

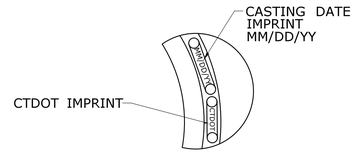
PROGRESS PRINTS

GENERAL NOTES:

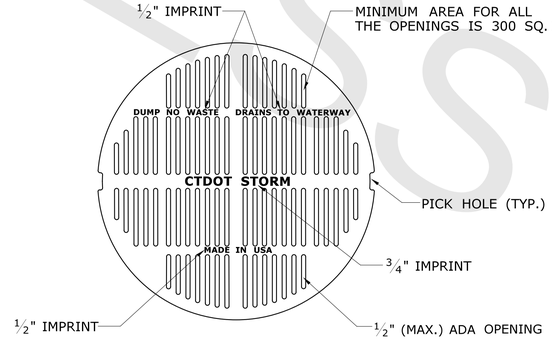
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.



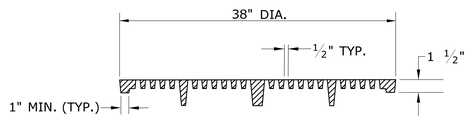
MANHOLE FRAME AND GRATE



DETAIL "A"



MANHOLE GRATE
PLAN

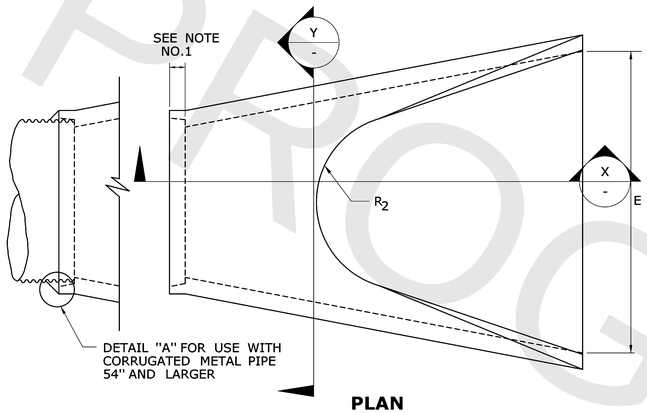


MANHOLE GRATE

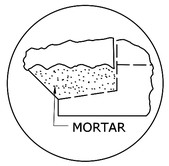
	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: MANHOLE FRAME AND GRATE	STANDARD SHEET NO.: HW-586_10b

PLOTTED DATE: 6/30/2020

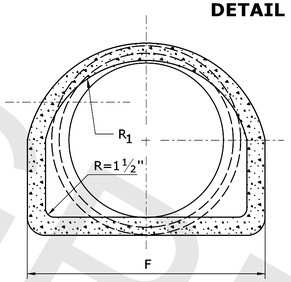
PROGRESS PRINT



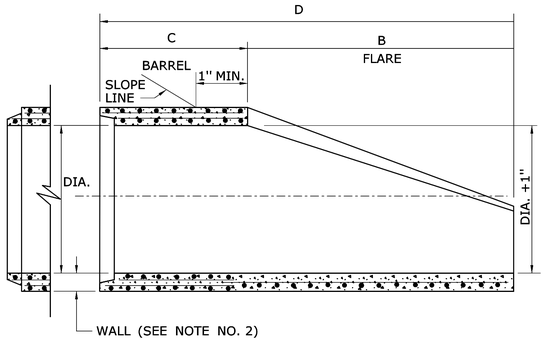
PLAN

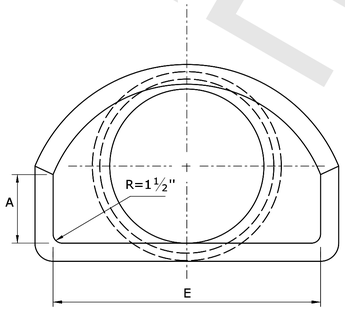


DETAIL "A"



SECTION Y - Y

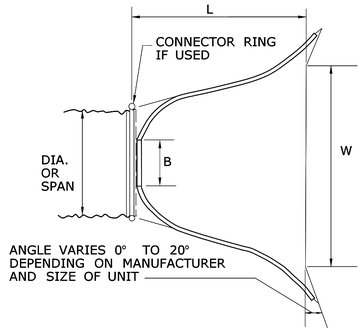




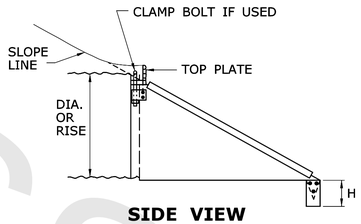
SECTION X - X

END VIEW

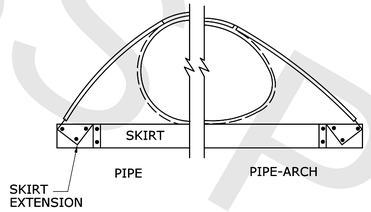
REINFORCED CONCRETE PIPE END



PLAN



SIDE VIEW

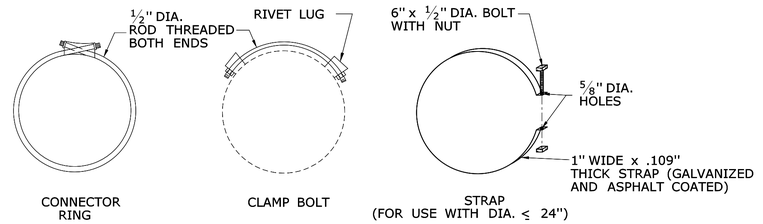


END VIEW

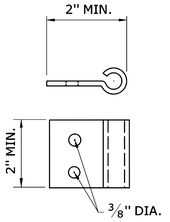
METAL PIPE END

GENERAL NOTES:

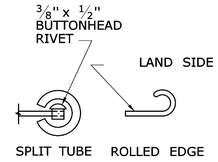
1. JOINTS SHALL BE TONGUE AND GROOVE OR BELL AND SPIGOT AS REQUIRED TO CONFORM TO PIPE INSTALLED.
2. WALL THICKNESS SHALL CONFORM TO PIPE THICKNESS.



ATTACHMENT SYSTEMS



RIVET LUG



EDGE REINFORCEMENT

DIMENSIONS FOR REINFORCED CONCRETE PIPE END									FLARE REINFORCEMENT ONE LAYER ONLY IN CENTER OF WALL	
DIA.	A	B	C	D	E	F	R_1	R_2	MIN. AREA OF LONGITUDINAL STEEL SQ. IN. PER FT.	MIN. AREA OF TRANSVERSE STEEL SQ. IN. PER FT.
12"	4"	2'-0"	4'-0 3/8"	6'-0 3/8"	2'-0"	1'-7 15/16"	10 1/4"	9"	0.048	0.048
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"	2'-0 5/16"	1'-0 1/2"	11"	0.054	0.054
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2'-5"	1'-3 1/2"	1'-0"	0.060	0.060
21"	9"	2'-11"	3'-2"	6'-1"	3'-6"	2'-7 1/2"	1'-4"	1'-1"	0.066	0.066
24"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	2'-9 3/16"	1'-4 13/16"	1'-2"	0.072	0.072
30"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3'-1"	1'-6 1/2"	1'-3"	0.084	0.084
36"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	3'-11 13/16"	2'-0 5/16"	1'-8"	0.096	0.096
42"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	4'-5 7/8"	2'-3 1/2"	1'-10"	0.108	0.108
48"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	4'-8 1/2"	2'-4 1/2"	1'-10"	0.120	0.120
54"	2'-3"	5'-5"	2'-11"	8'-4"	7'-6"	5'-5 1/2"	2'-9 1/8"	2'-0"	0.132	0.132
60"	2'-9"	5'-0"	3'-3"	8'-3"	8'-0"	6'-0 1/2"	3'-0 11/16"	2'-0"	0.144	0.144

PIPE DIA.	DIMENSIONS FOR METAL PIPE END				THICKNESS INS.
	B (MAX.)	H±1"	L±1 1/2"	W±2"	
12"	6"	6"	21"	24"	.064
15"	8"	6"	26"	30"	.064
18"	10"	6"	31"	36"	.064
21"	12"	6"	36"	42"	.064
24"	13"	6"	41"	48"	.064
30"	16"	8"	51"	60"	.079
36"	19"	9"	60"	72"	.079
42"	22"	11"	69"	84"	.109
48"	27"	12"	78"	90"	.109
54"	30"	12"	84"	102"	.109
60"	33"	12"	87"	114"	.109
66"	36"	12"	87"	120"	.109
72"	39"	12"	87"	126"	.109
78"	42"	12"	87"	132"	.109
84"	45"	12"	87"	138"	.109

PIPE ARCH SIZE		DIMENSIONS FOR METAL PIPE END				
SPAN	RISE	B (MAX.)	H±1"	L±1 1/2"	W±2"	THICKNESS INS.
17"	13"	9"	6"	19"	30"	.064
21"	15"	10"	6"	23"	36"	.064
24"	18"	12"	6"	28"	42"	.064
28"	20"	14"	6"	32"	48"	.064
35"	24"	16"	6"	39"	60"	.079
42"	29"	18"	8"	46"	75"	.079
49"	33"	21"	9"	53"	85"	.109
57"	38"	26"	12"	63"	90"	.109
64"	43"	30"	12"	70"	102"	.109
71"	47"	33"	12"	77"	114"	.109

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:

PIPE ENDS

STANDARD SHEET NO.:

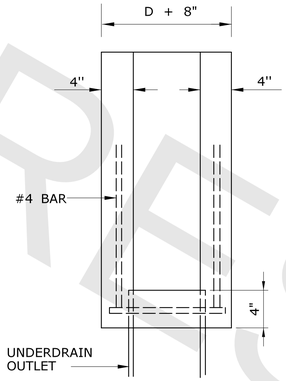
HW-686_02

PLOTTED DATE: 6/30/2020

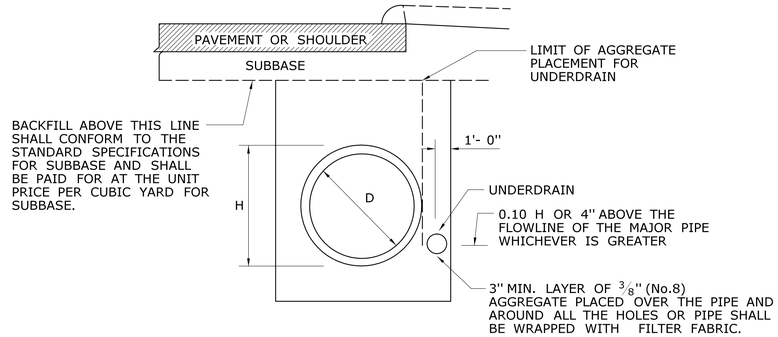
PROGRESS PRINTS

GENERAL NOTES:

1. THE OUTLET ENDWALL CAN BE EITHER PRECAST OR CAST IN PLACE CONCRETE.
2. IF PRECAST CONCRETE ENDWALL IS USED, THE OUTLET SHALL BE GROUTED AND SEALED TO ENDWALL OPENING WITH NON-SHRINK GROUT.

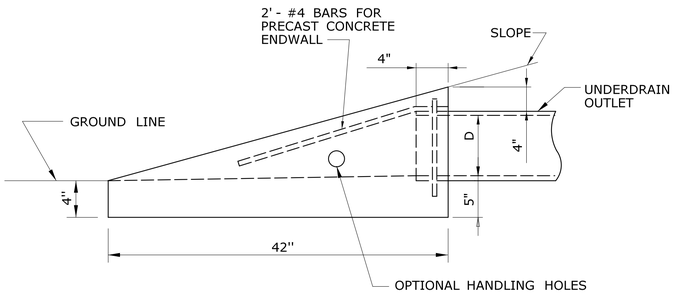


PLAN VIEW

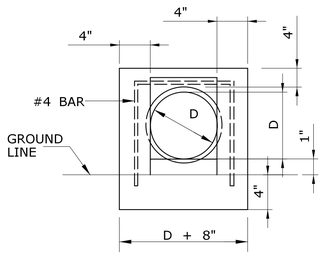


NOTE:
PAY LIMIT FOR TRENCH EXCAVATION AND BEDDING SHALL BE THE SAME AS FOR THE CULVERT ALONE. MATERIAL ABOVE THE BEDDING SHALL BE SUITABLE MATERIAL OR GRANULAR FILL.

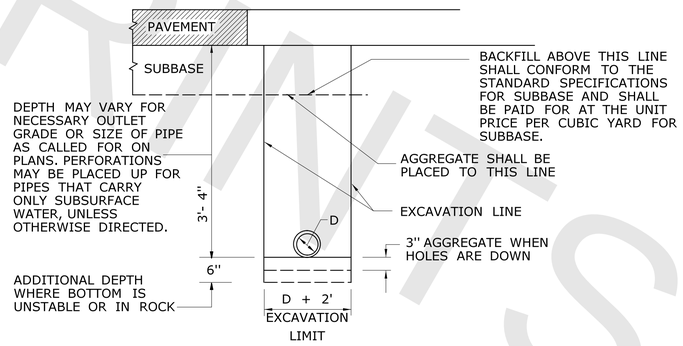
CULVERT AND UNDERDRAIN IN THE SAME TRENCH



ENDWALL



ELEVATION



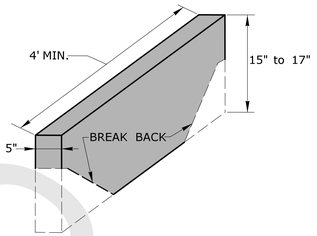
UNDERDRAIN

UNDERDRAIN OUTLET DETAILS

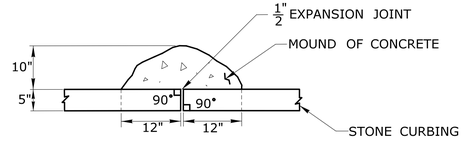
	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: UNDERDRAINS AND UNDERDRAIN OUTLETS	STANDARD SHEET NO.: HW-751_01

PLOTTED DATE: 6/30/2020

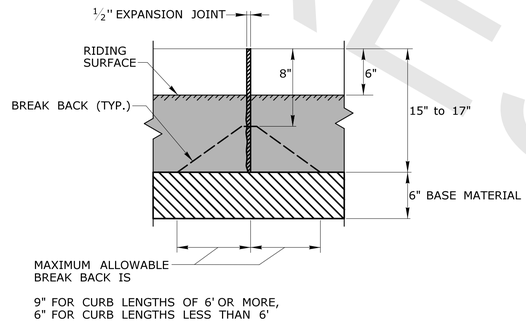
PROGRESS PRINTS



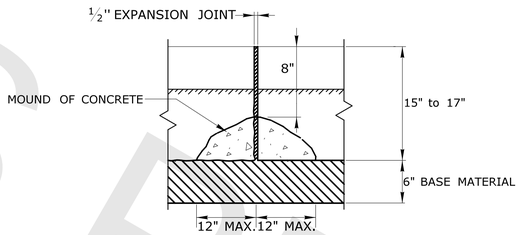
STONE CURBING



PLAN

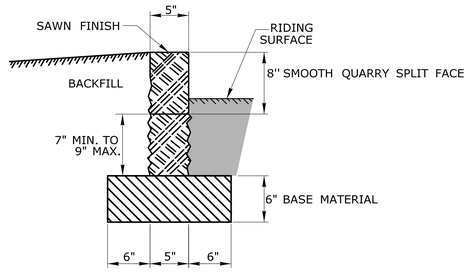


FRONT ELEVATION



BACK ELEVATION

MOUND OF CONCRETE AT ALL JOINTS FOR STONE CURBING



SECTION

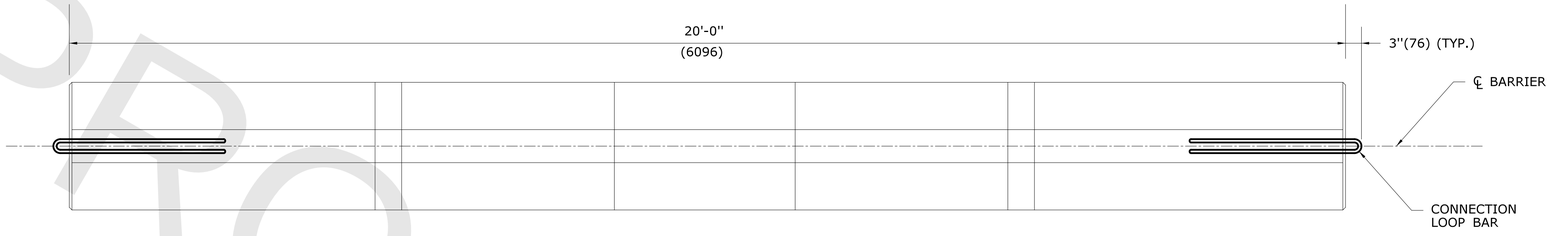
	NOT TO SCALE #### SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: STONE CURBING	STANDARD SHEET NO.: HW-813_02

PLOTTED DATE: 7/1/2020

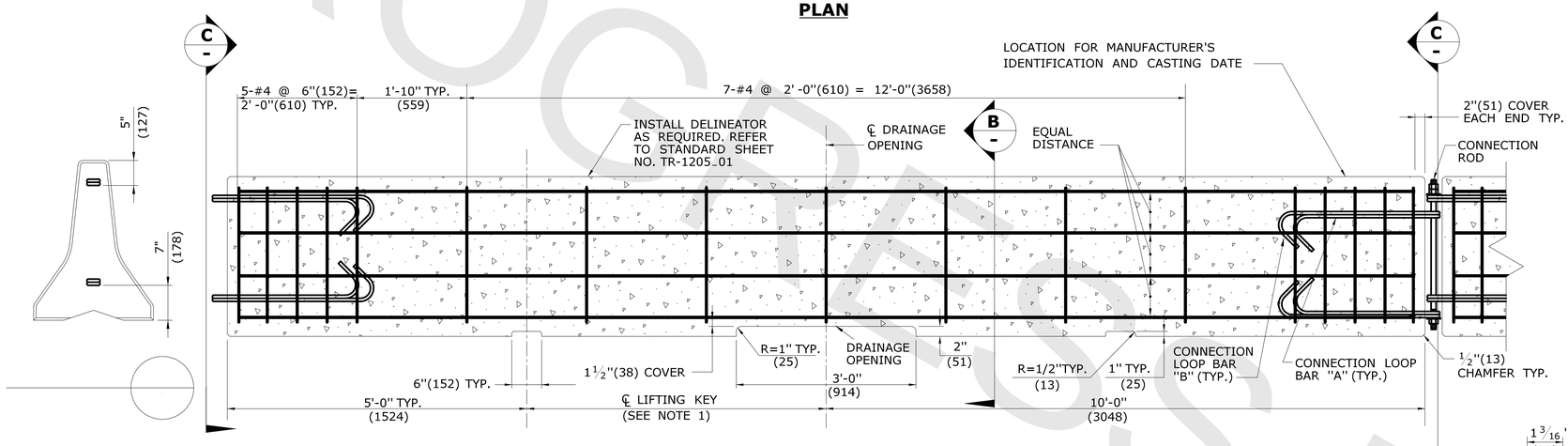
PROGRESS PRINTS

GENERAL NOTES:

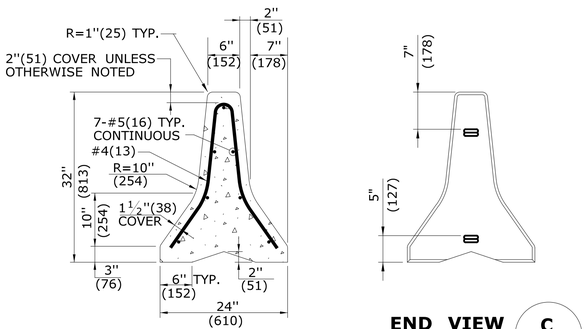
1. ALTERNATE DESIGNS FOR LIFTING KEYS, HOLES OR OTHER HANDLING DEVICES MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. EXPECTED PERMANENT DYNAMIC DEFLECTION IS 3'-6" (1148) BASED ON TL-3 CRASH TESTS WITH 240' (73152) OF TPCBC.



PLAN

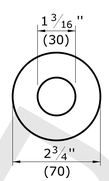


ELEVATION

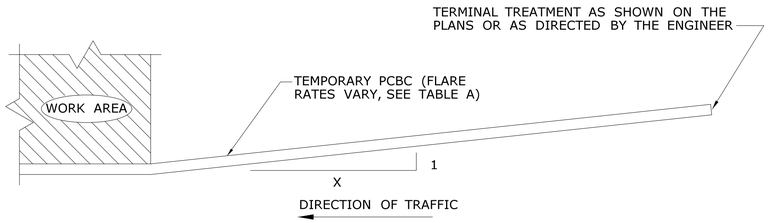


SECTION B -

END VIEW C -



WASHER DETAIL

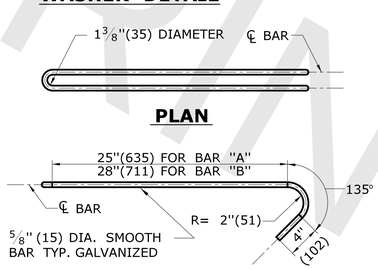


PLAN - TYPICAL INSTALLATION

TABLE A

FLARE RATES	
* SPEED	FLARE RATE (X : 1)
≤ 30MPH(48KPH)	4 : 1
> 30MPH(48KPH) <45MPH(72KPH)	6 : 1
≥ 45MPH(72KPH) NON-LIMITED ACCESS HIGHWAYS	8 : 1
ALL LIMITED ACCESS HIGHWAYS	10 : 1

* DESIGN SPEED THROUGH THE WORK AREA.

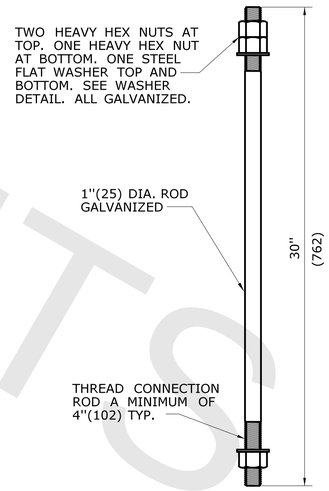


PLAN

ELEVATION

BAR "A" = 6'-0"(1829) TOTAL
BAR "B" = 6'-6"(1981) TOTAL

CONNECTION LOOP BAR

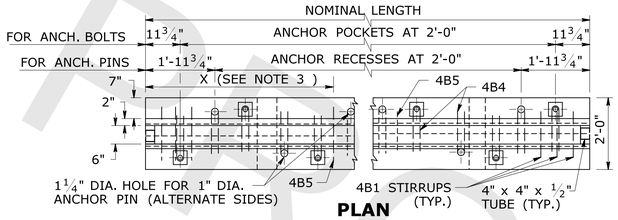


CONNECTION ROD

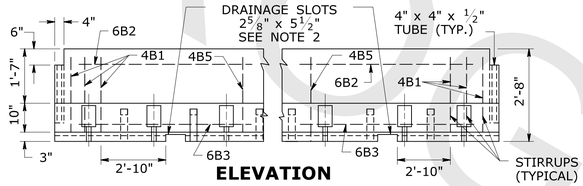
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: TEMPORARY PRECAST CONCRETE BARRIER CURB	STANDARD SHEET NO.: HW-822_01

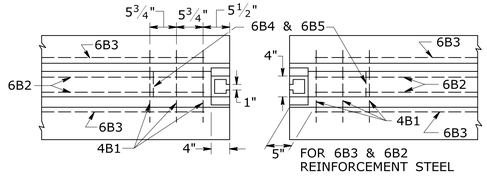
PLOTTED DATE: 7/7/2020



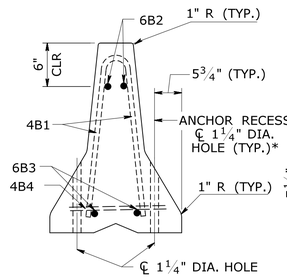
PLAN



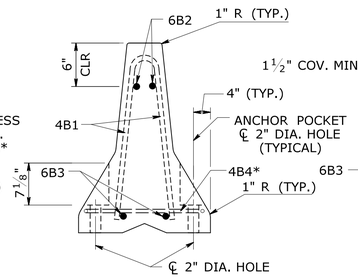
ELEVATION



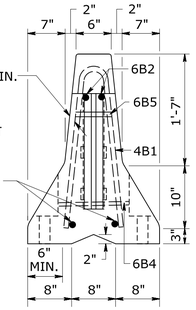
PLAN - BARRIER END



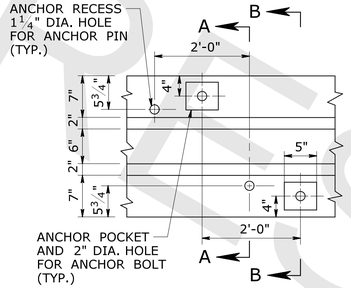
SECTION A-A



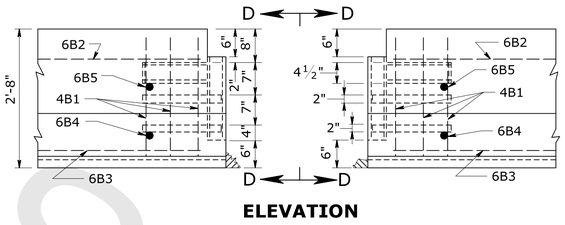
SECTION B-B



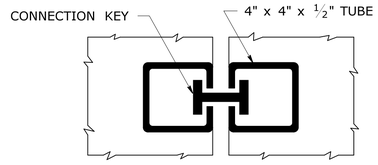
SECTION D-D



PLAN-ANCHOR RECESS/POCKET



ELEVATION



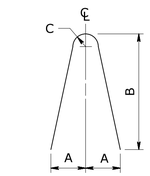
KEY IN PLACE

GENERAL NOTES:

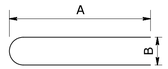
1. CONCRETE CLEAR COVER FOR REINFORCEMENT STEEL IS 1½" (MIN.).
2. 2⅝" X 5½" DRAINAGE SLOTS - TWO REQUIRED IN SECTIONS 12 FEET AND GREATER. ONE REQUIRED IN 8 FOOT AND 10 FOOT SECTIONS.
3. THE TEMPORARY TRAFFIC BARRIER IS IN UNITS OF 20 FEET, HOWEVER OTHER LENGTHS MAY BE USED TO MEET FIELD CONDITIONS. THE NUMBER AND PLACEMENT OF THE 4B4 AND 4B5 REINFORCEMENT STEEL WILL VARY WITH THE LENGTH OF THE BARRIER UNIT AS SHOWN ON THE TABLE OF VARIABLE REINFORCEMENT STEEL. THE 6B2 AND 6B3 REINFORCEMENT STEEL TO BE PLACED 10 INCHES SHORTER THAN THE NOMINAL LENGTH OF THE BARRIER UNITS.

TABLE OF VARIABLE REINFORCEMENT STEEL			
NOMINAL LENGTH OF BARRIER UNIT	MARK	"X"	NO. EACH SECTION
20'	4B4	N.A.	19
20'	4B5	6'-11"	2
18'	4B4	N.A.	17
18'	4B5	6'-5"	2
16'	4B4	N.A.	15
16'	4B5	5'-11"	2
14'	4B4	N.A.	13
14'	4B5	7'-0"	1
12'	4B4	N.A.	11
12'	4B5	6'-0"	1
10'	4B4	N.A.	9
10'	4B5	5'-0"	1
8'	4B4	N.A.	7
8'	4B5	-	0
"X" DISTANCE FROM END OF BARRIER TO 4B5 REINFORCEMENT STEEL			

TEMPORARY TRAFFIC BARRIER

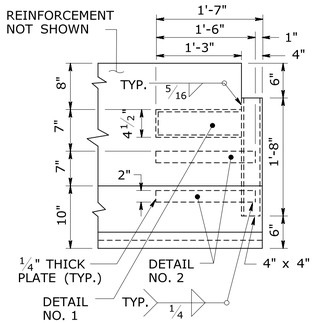


TYPE "I" REINFORCEMENT STEEL

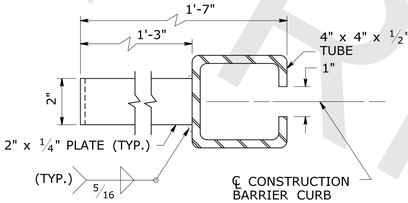


TYPE "II" REINFORCEMENT STEEL

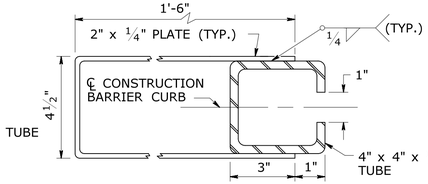
REINFORCEMENT STEEL LIST (EACH BARRIER SECTION)								
MARK	SIZE	NUMBER IN EACH SECTION	LENGTH	TYPE	A	B	C	LOCATION
4B1	#4	6	4'-11"	I	5"	26"	2"	STIRRUPS
4B4	#4	SEE NOTE 3	3'-1"	II	15½"	4"		STIRRUPS
4B5	#4	SEE NOTE 3	4'-11"	I	5"	26"	2"	STIRRUPS
6B2	#6	2	SEE NOTE 3	STR.				LONGITUDINAL (TOP) NORMAL SECTION
6B3	#6	2	SEE NOTE 3	STR.				LONGITUDINAL (BOTTOM) NORMAL SECTION
6B4	#6	2	1'-2"	STR.				TRANSVERSE (BOTTOM) NORMAL SECTION
6B5	#6	2	0'-6"	STR.				TRANSVERSE (TOP) NORMAL SECTION



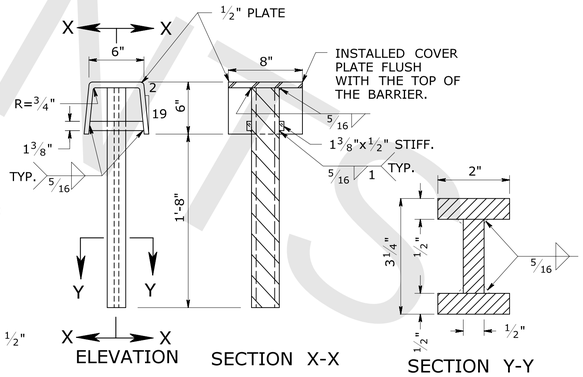
ELEVATION



PLAN VIEW DETAIL NO. 1



PLAN VIEW DETAIL NO. 2



ELEVATION SECTION X-X SECTION Y-Y

CONNECTION KEY

TEMPORARY TRAFFIC BARRIER CONNECTION DETAILS

MASH 2016 COMPLIANT
APPROVAL ID. 2021-01

NOT TO SCALE
####

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

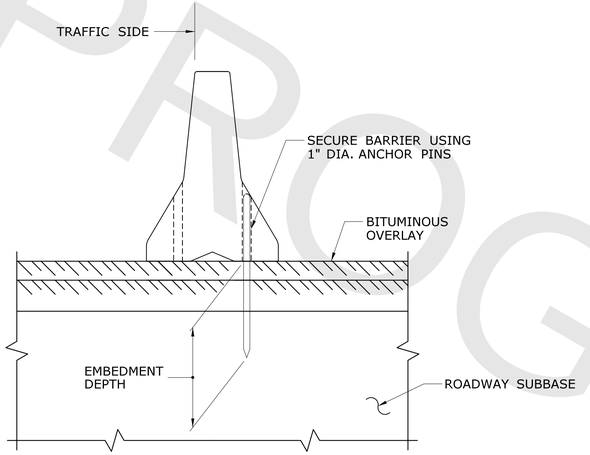
STANDARD SHEET TITLE:
TEMPORARY TRAFFIC BARRIER - DETAILS

STANDARD SHEET NO.:
HW-822_02a

PLOTTED DATE: 3/4/2021

PROGRESS PRINTS

PROGRESS PRINTS



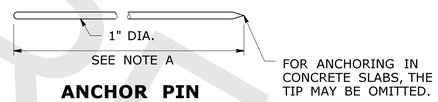
END VIEW - TEMPORARY TRAFFIC BARRIER (PINNED)

SEE NOTES 2 & 3 FOR PIN OPTIONS
ROADSIDE APPLICATION SHOWN

NOTE A

ENSURE THAT THE LENGTH OF THE ANCHOR PIN IS SUCH THAT THE FOLLOWING MINIMUM EMBEDMENT LENGTH IS OBTAINED:

(A) INTO CONCRETE PAVEMENT 0'-5"
(B) INTO FLEXIBLE PAVEMENT 1'-6"
(C) INTO UNPAVED AREA 2'-6"



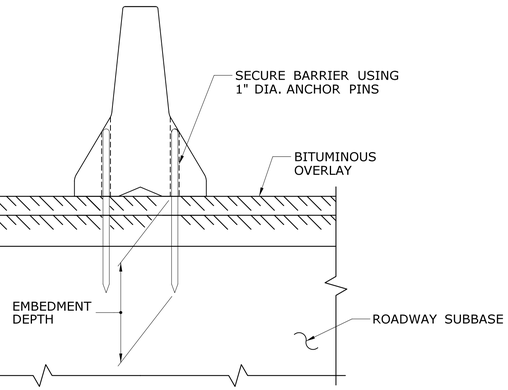
ANCHOR PIN

GENERAL NOTES:

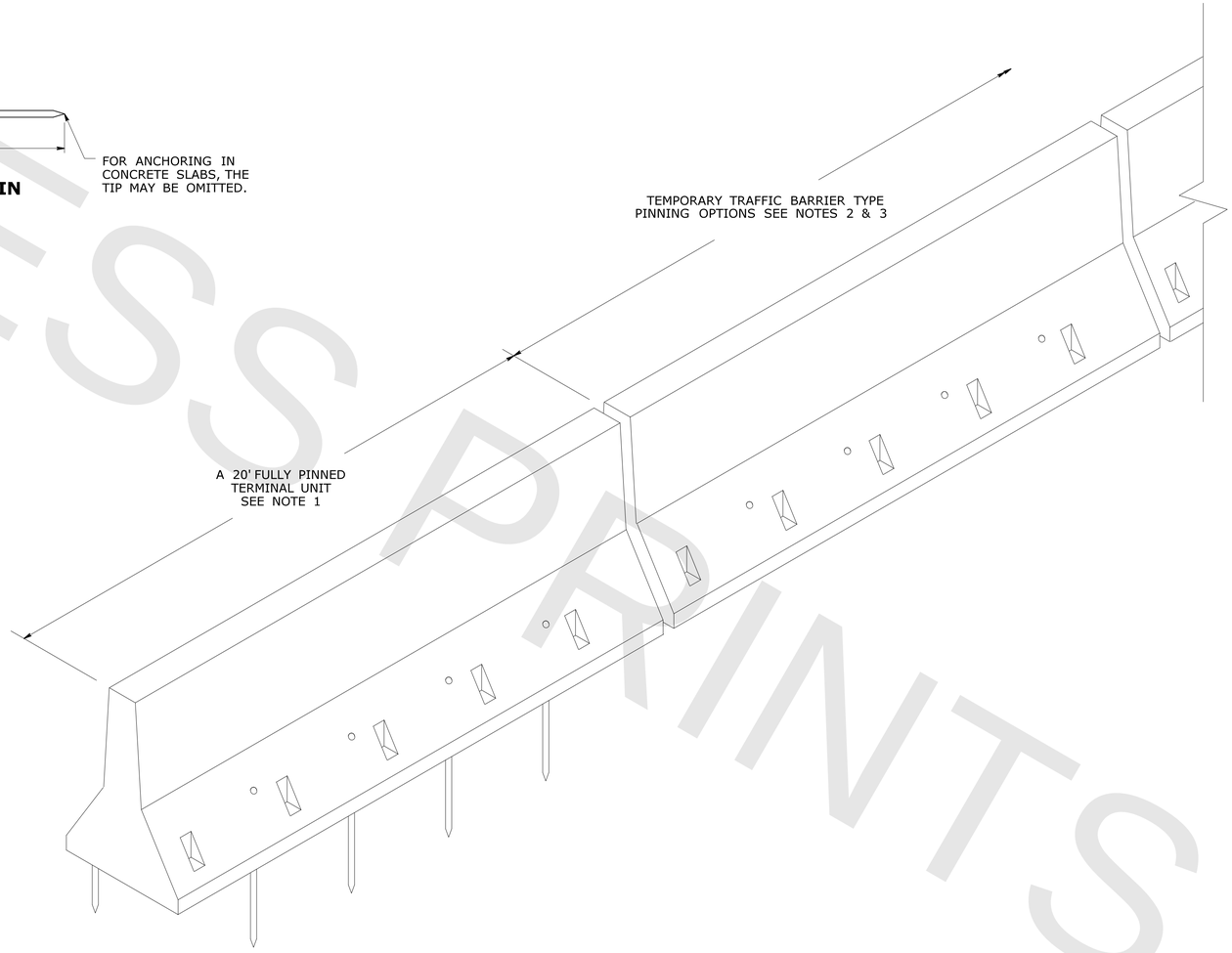
1. THE FIRST AND LAST TEMPORARY TRAFFIC BARRIER SHALL BE 20 FOOT IN LENGTH FOR EACH BARRIER RUN LAYOUT SHALL BE FULLY PINNED (9 PINS) ON BOTH SIDES.
2. TEMPORARY TRAFFIC BARRIER (PINNED) SHALL ONLY BE PINNED ON THE WORK AREA SIDE OF THE BARRIER AFTER THE REQUIRED LENGTH OF BARRIER IS PLACED.
3. TEMPORARY TRAFFIC BARRIER (PINNED) SHALL BE FULLY PINNED (9 PINS) IN LOCATIONS WHERE THE BARRIERS ARE DIVIDING OPPOSING TRAFFIC.
4. ALL ANCHOR PINS INSTALLED SHALL NOT PROJECT BEYOND THE TEMPORARY TRAFFIC BARRIER'S SURFACE.
5. INSTALL DELINEATORS AS REQUIRED, REFER TO TRAFFIC STANDARD SHEET NO. TR-1205_01.
7. TEMPORARY TRAFFIC BARRIER DESIGN DEFLECTION DISTANCES BY TYPE;

BARRIER TYPE	**DEFLECTION
UNPINNED	40"
PINNED	20"

** MASH STANDARD DEFLECTION CAUSED BY 5,000 LB VEHICLE TRAVELING 62 MPH IMPACTING THE BARRIER AT 25 DEGREE ANGLE.



END VIEW - TERMINAL UNIT

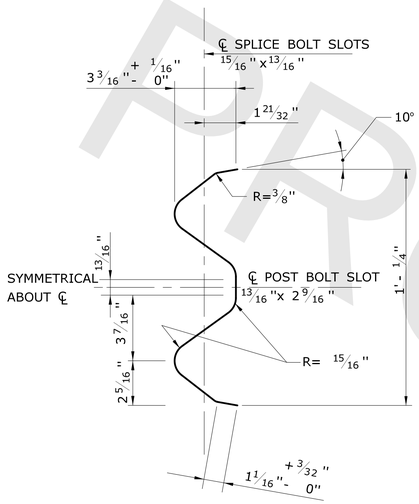


TEMPORARY TRAFFIC BARRIER

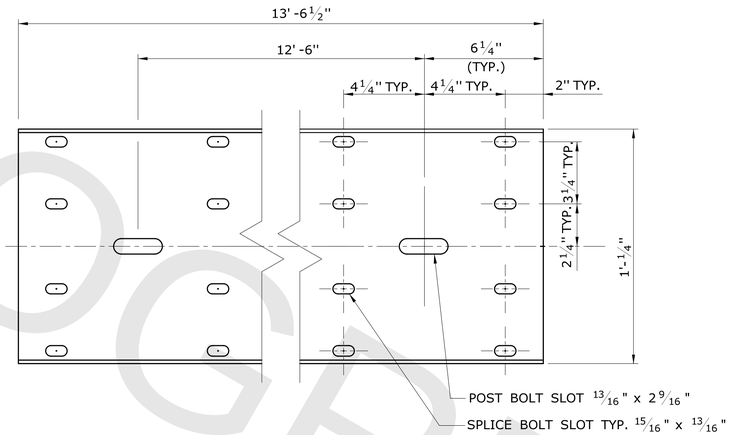
MASH 2016 COMPLIANT
APPROVAL ID. 2021-01

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: TEMPORARY TRAFFIC BARRIER AND TEMPORARY TRAFFIC BARRIER (PINNED) / STANDARD SHEET NO.: HW-822-02c

PLOTTED DATE: 3/4/2021

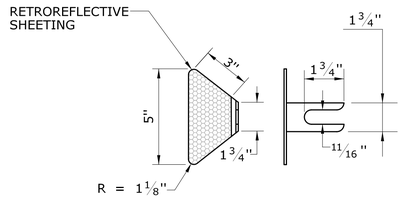


SECTION VIEW



ELEVATION VIEW

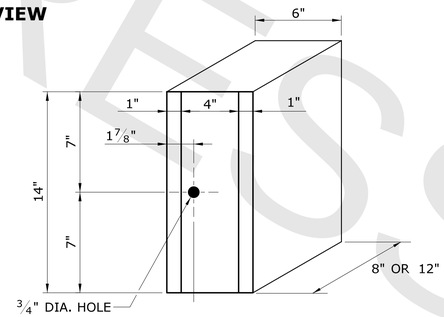
TYPICAL W-BEAM RAIL ELEMENT



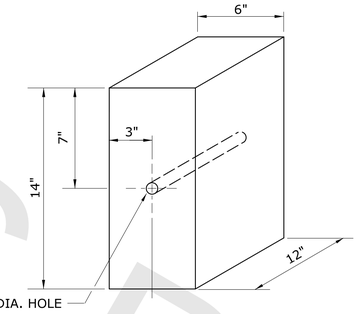
W-BEAM DELINEATOR

GENERAL NOTES:

1. W6 x 9 POSTS MAY BE USED IN PLACE OF W6 x 8.5 POSTS.
2. W-BEAM GUIDERAIL SHALL USE CLASS A (12 GAUGE), TYPE II W-BEAM RAIL ELEMENTS.
3. SEVEN FOOT LONG STEEL POSTS (W6 X 8.5) ARE TO BE INSTALLED WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES



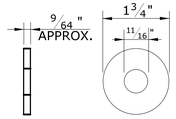
8" or 12" PLASTIC BLOCKOUT
NOMINAL DIMENSIONS



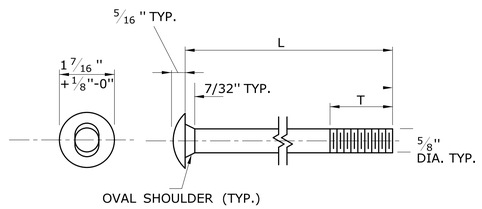
12" WOOD BLOCKOUT

W-BEAM DELINEATOR INSTALLATION NOTES:

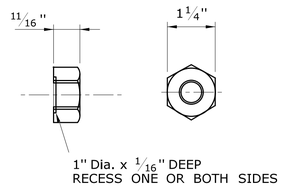
1. INSTALL W-BEAM DELINEATORS ON RAIL THAT IS PARALLEL TO AND NOT GREATER THAN 8' FROM THE EDGE OF THE ROADWAY. A MINIMUM OF THREE W-BEAM DELINEATORS SHALL BE INSTALLED ON ANY LENGTH OF GUIDERAIL.
2. THE SPACING OF W-BEAM DELINEATORS IS 50 FEET, INSTALLED AT RAIL SPLICE LOCATIONS. SPACING IS 25 FEET ON RADII LESS THAN 300 FEET.
3. NO W-BEAM DELINEATORS ARE PERMITTED WITHIN 75 FEET OF THE IMPACT HEAD OF ANY TANGENTIAL OR FLARED IMPACT ATTENUATION SYSTEM.
4. RETROREFLECTIVE SHEETING SHALL BE WHITE EXCEPT ON THE LEFT SIDE OF DIVIDED STREETS, HIGHWAYS, RAMPS, AND ONE WAY ROADS IN THE DIRECTION OF TRAVEL WHERE IT SHALL BE YELLOW.



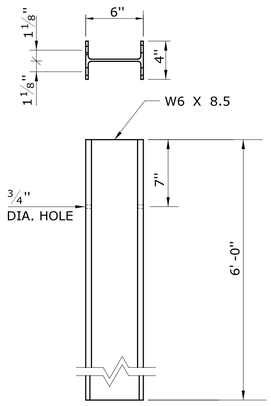
WASHER
[FWC16a]



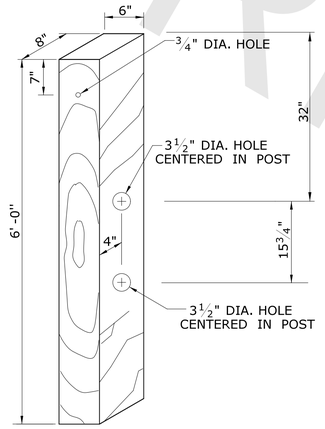
BUTTONHEAD BOLT



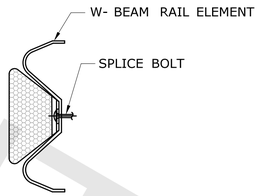
HEX NUT



STEEL POST
6'-0" LONG



CONTROL RELEASE TIMBER (CRT) POST
6' - 0" LONG



W-BEAM DELINEATOR INSTALLATION

DESIGNATOR	L	T	INTENDED USE
FBB01	1-1/4"	1-1/8"	RAIL SPLICE BOLTS
FBB02	2"	1-3/4"	RUB RAIL BOLTS
FBB03	10"	4"	POST BOLTS (8" BLOCK OUTS)
	14"	4"	POST BOLT (12" BLOCK OUTS)
FBB04	18"	4"	POST BOLTS (2- 8"BLOCK OUTS)
	22"	4"	POST BOLT (CRT WOOD POST SYSTEM)

5/8" BUTTON HEAD BOLT(S) AND RECESSED NUT(S)

NOTE: AFTER GALVANIZING, THE NUT SHALL BE FREE RUNNING ON THE BOLT. DIAMETER SHOWN IS TYPICAL FOR ALL GUIDERAIL BOLTS. SEE DETAILS ABOVE FOR SPECIFIC LENGTHS.

PROGRESS PRINTS

NOT TO SCALE
####

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

APPROVED BY:

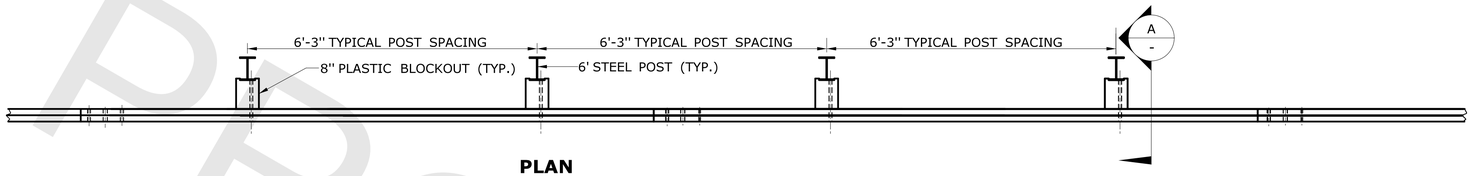
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

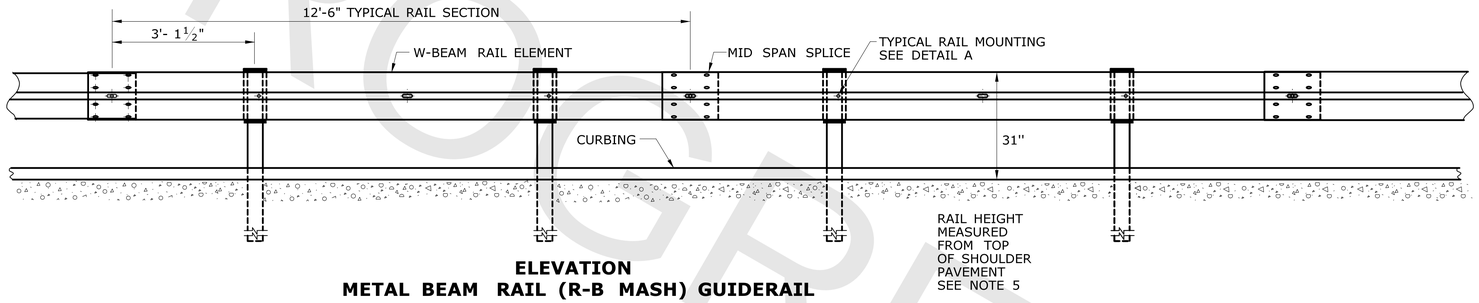
STANDARD SHEET TITLE:
MASH W-BEAM HARDWARE

STANDARD SHEET NO.:
HW-910_20

PLOTTED DATE: 7/1/2020



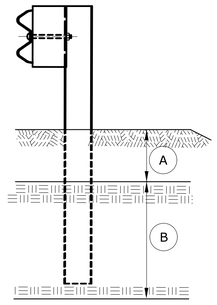
PLAN



ELEVATION
METAL BEAM RAIL (R-B MASH) GUIDERAIL

GENERAL NOTES:

1. SEE SHEET HW-910_20 FOR MASH W-BEAM HARDWARE AND W-BEAM DELINEATOR DETAILS.
2. THREE BLOCKOUTS MAY BE USED FOR ONE POST ONLY. TWO BLOCKOUTS MAY BE USED FOR A SERIES OF POSTS. THE COST OF ADDITIONAL BLOCKOUTS AND LONGER BOLTS SHALL BE INCLUDED IN THE PRICE PER FOOT OF GUIDERAIL. EXTRA BLOCKOUTS AT TRANSITIONS TO BRIDGE PARAPETS SHOULD BE AVOIDED. DO NOT USE ADDITIONAL BLOCKS IF IT CAUSES THE POST TO BE DRIVIEN BEYOND AN EMBANKMENT HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.
3. IF BLOCKOUTS DO NOT AVOID POST FROM OBSTRUCTION, ONE POST MAY BE OMITTED IF 50 FEET OF GUIDERAIL EXISTS ON BOTH SIDES OF LOCATION. USE METAL BEAM RAIL SPAN SECTION TYPE II OR III FOR MORE THAN ONE CONSECUTIVE OMITTED POST, SEE SHEET HW-910_24.
4. W-BEAM GUIDERAIL MAY BE PLACED 1' OR MORE FROM THE EDGE OF PAVEMENT ONLY ON SLOPES 10:1 OR FLATTER AND WITHOUT CURBING.
5. IF THE RAIL IS INSTALLED WITHIN 2' OF THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE SHOULDER SLOPE EXTENDED TO THE RAIL. IF THE RAIL IS INSTALLED BEYOND 2' FROM THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE GROUND DIRECTLY BELOW THE RAIL.
6. RAIL HEIGHT CONSTRUCTION TOLERANCE IS +/- 1 INCH.



ELEVATION

CONDITION 1 :

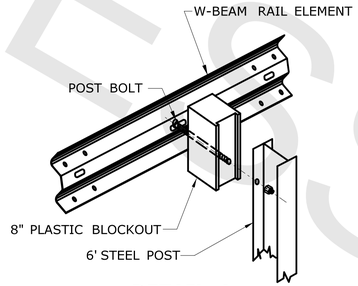
IF SOIL DEPTH IS ≤ 18" DEEP (A) DRILL 20" DIA. HOLE 24" INTO LEDGE. (B)

CONDITION 2 :

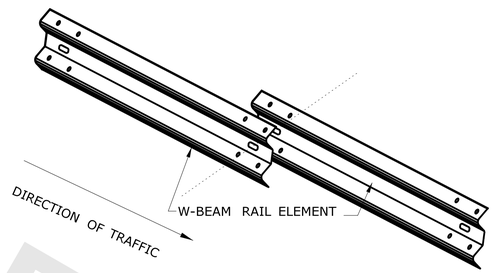
IF SOIL DEPTH IS > 18" DEEP (A) DRILL 8" DIA. HOLE 12" INTO LEDGE (B) OR TO THE DEPTH OF FULL EMBEDMENT WHICHEVER IS LESS.

PLAN

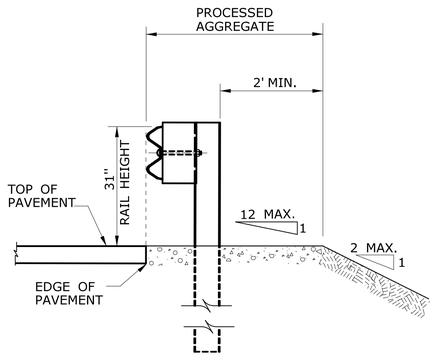
GUIDERAIL POSTS IN ROCK



DETAIL A
RAIL MOUNTING

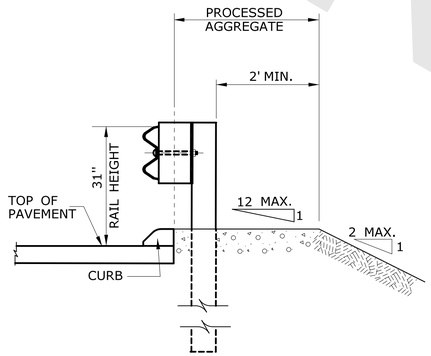


LAP W-BEAM RAIL SECTIONS
NOTE: EIGHT (8) SPLICE BOLTS PER JOINT



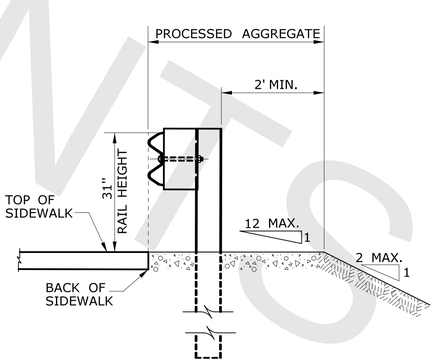
SECTION A -

NO CURB APPLICATION



SECTION A -

CURB APPLICATION



SECTION A -

SIDEWALK APPLICATION

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: METAL BEAM RAIL (R-B MASH) GUIDERAIL	STANDARD SHEET NO.: HW-910_21

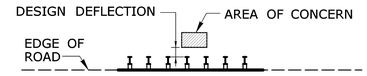
PLOTTED DATE: 7/1/2020

PROGRESS PRINTS

PROGRESS PRINTS

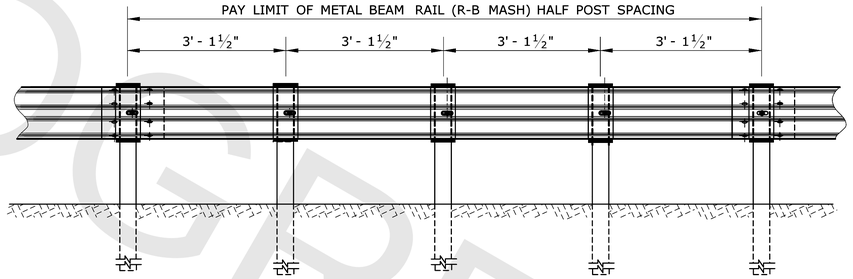
GENERAL NOTES:

1. SEE SHEET HW-910_20 FOR HARDWARE AND W-BEAM DELINEATOR DETAILS.
2. W-BEAM DELINEATOR MAY BE INSTALLED AT POST BOLT CONNECTION TO MAINTAIN APPROPRIATE DELINEATOR SPACING.

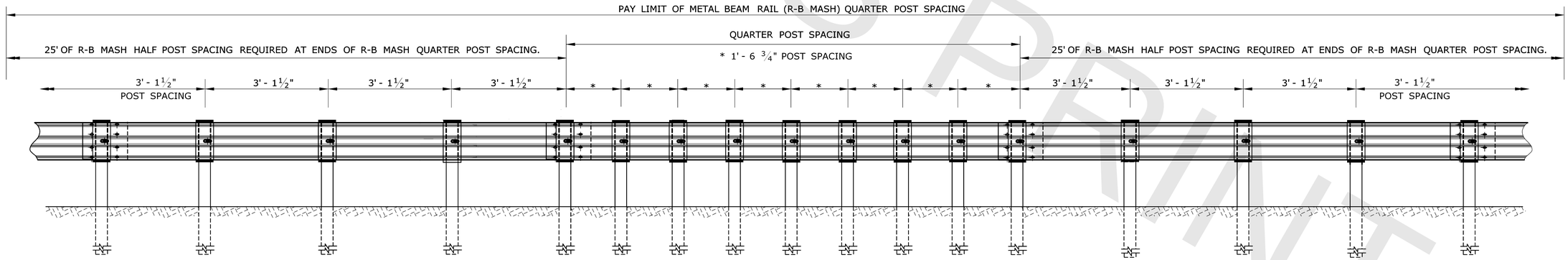


POST SPACING		DESIGN DEFLECTION
STANDARD	(6' - 3")	4' - 3"
HALF POST	(3' - 1 1/2")	2' - 8"
QUARTER POST	(1' - 6 3/4")	1' - 10"

TABLE 1



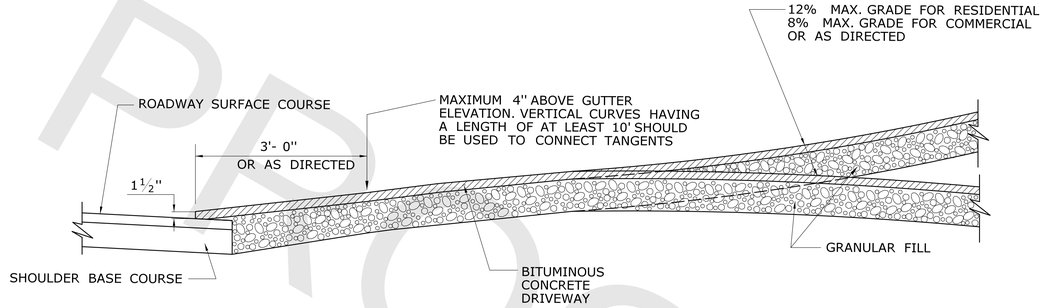
METAL BEAM RAIL (R-B MASH) HALF POST SPACING



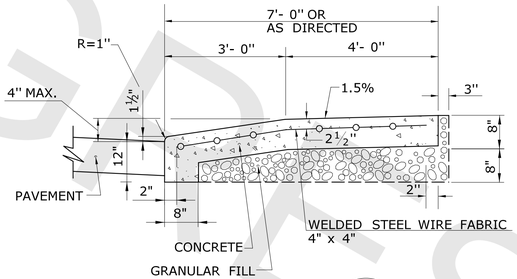
METAL BEAM RAIL (R-B MASH) QUARTER POST SPACING

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: METAL BEAM RAIL (R-B MASH) HALF AND QUARTER POST SPACING GUIDERAIL	STANDARD SHEET NO.: HW-910_23

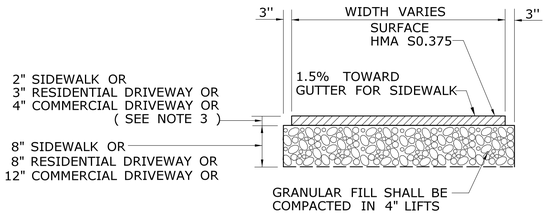
PLOTTED DATE: 7/1/2020



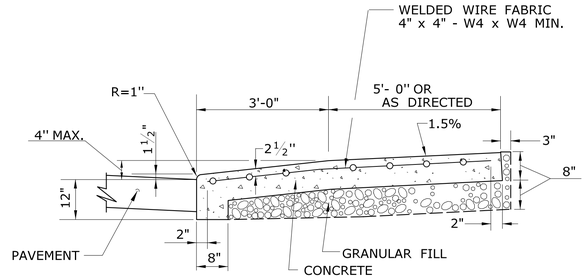
SECTION A



SECTION B



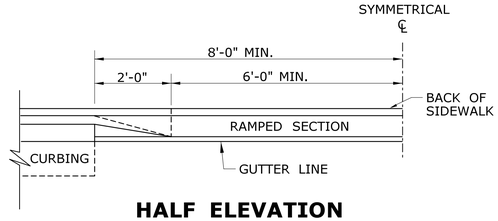
TYPICAL SECTION BITUMINOUS CONCRETE SIDEWALK AND DRIVEWAY



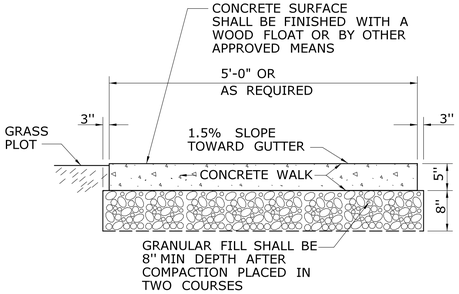
SECTION C

GENERAL NOTES:

1. DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' WIDE, EXCLUDING CURBING WHEN PRESENT.
2. WELDED WIRE FABRIC MATS WITH REINFORCING AT CLOSER SPACING MAY BE USED.
3. SURFACE HMA S0.375 TO BE PLACED IN TWO EQUAL LIFTS FOR BOTH RESIDENTIAL AND COMMERCIAL DRIVEWAYS.

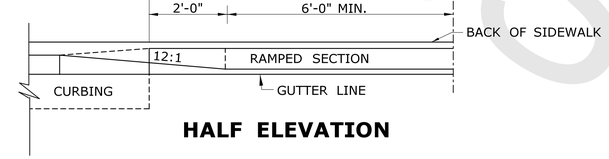


HALF ELEVATION

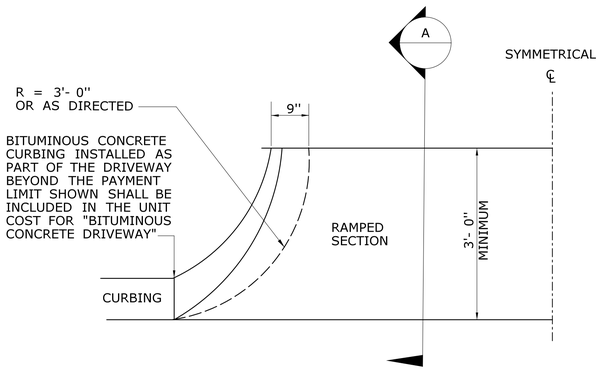


SECTION D

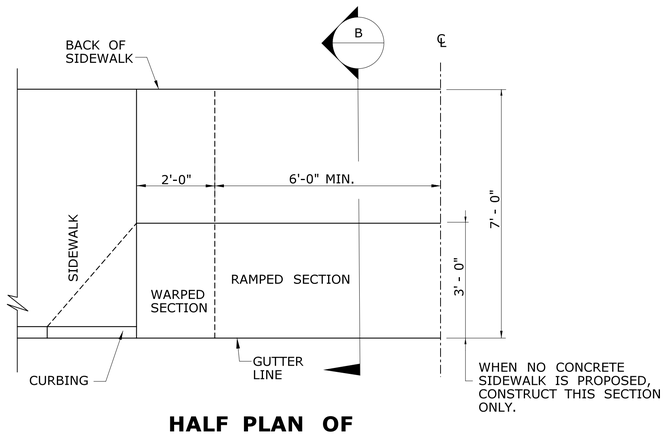
5' WIDE CONCRETE SIDEWALK WITH GRASS PLOT



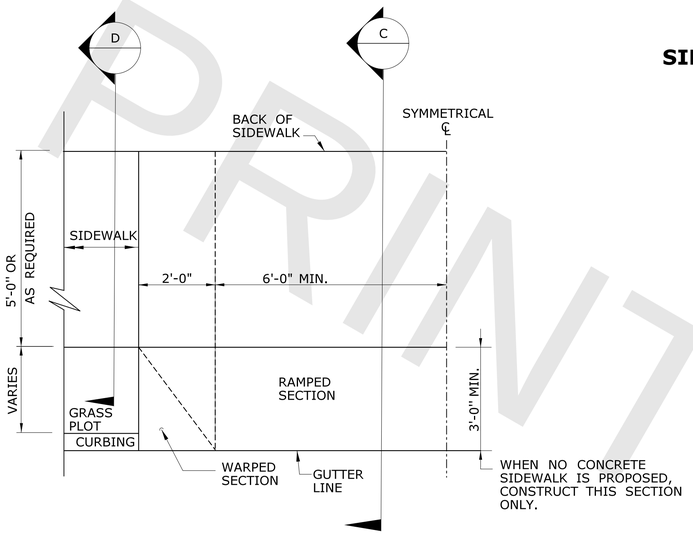
HALF ELEVATION



HALF BITUMINOUS CONCRETE DRIVEWAY PLAN



HALF PLAN OF CONCRETE DRIVEWAY RAMP WHERE SIDEWALK ADJOINS CURBING



HALF PLAN OF CONCRETE DRIVEWAY RAMP WHERE CURB IS SEPARATED FROM SIDEWALK BY GRASS PLOT

PROGRESS PRINTS

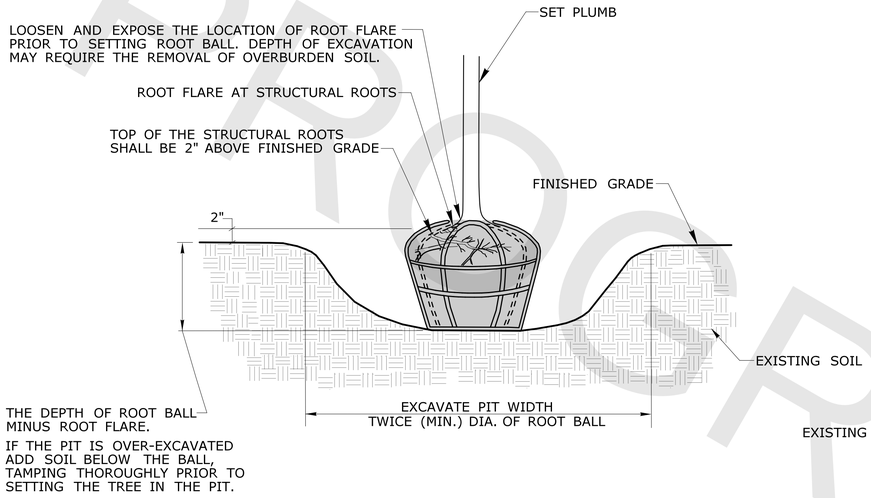
	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: DRIVEWAY RAMPS AND SIDEWALKS / STANDARD SHEET NO.: HW-921_01

PLOTTED DATE: 7/1/2020

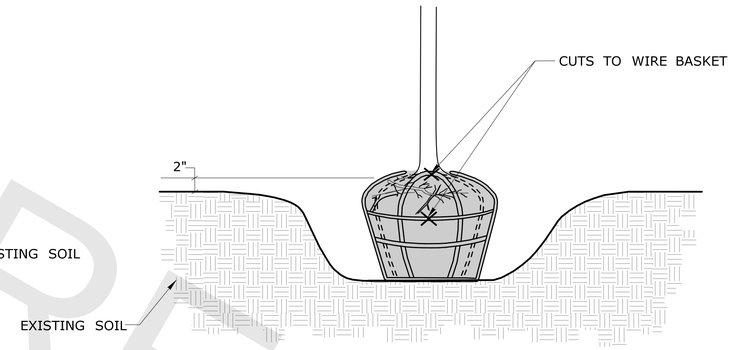
PROGRESS PRINTS

GENERAL NOTES:

1. ALL EXTERIOR PACKAGING MATERIAL APPLIED TO PLANTS SHALL BE REMOVED AFTER THE PLANT IS LOCATED IN THE PIT EXCAVATION. CUT AND REMOVE TWINE, BURLAP OR WIRE BASKETS FROM THE TOP TWO-THIRDS OF THE ROOT BALL.
2. PLANT MALUS SPECIES (DECIDUOUS APPLE TREES OR SHRUBS) DEEP ENOUGH IN PIT TO COVER THE GRAFT TO PREVENT SPROUTING FROM THE ROOT STOCK.

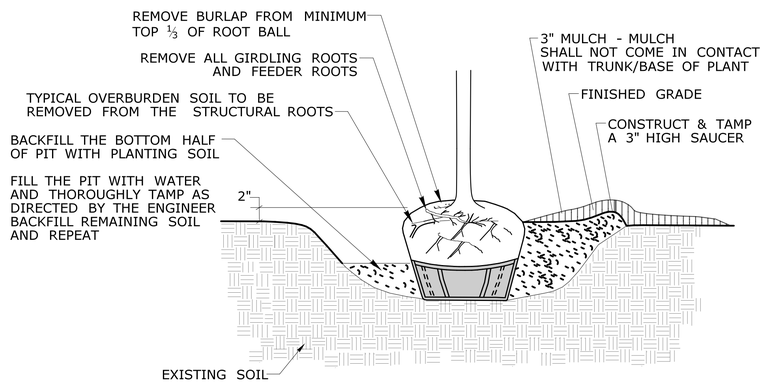


PIT EXCAVATION AND SETTING OF PLANTING

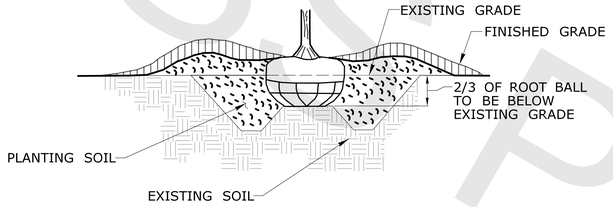


WIRE BASKET REMOVAL

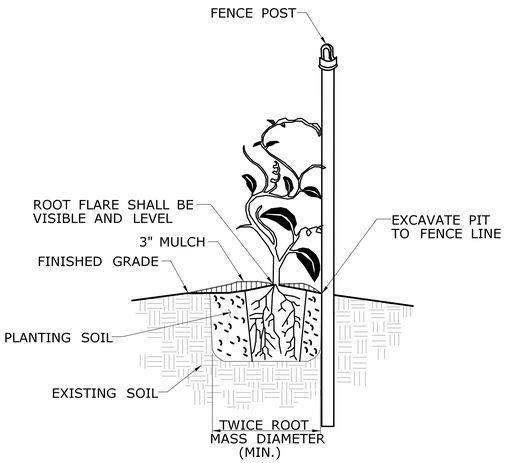
NOTE: IF WIRE BASKETS ARE USED, THE CONTRACTOR SHALL CUT ALL OF THE HORIZONTAL WIRES IN THE TOP $\frac{2}{3}$ OF THE ROOT BALL AND BEND DOWN OR REMOVE THE TOP $\frac{1}{3}$ OF THE WIRE BASKET



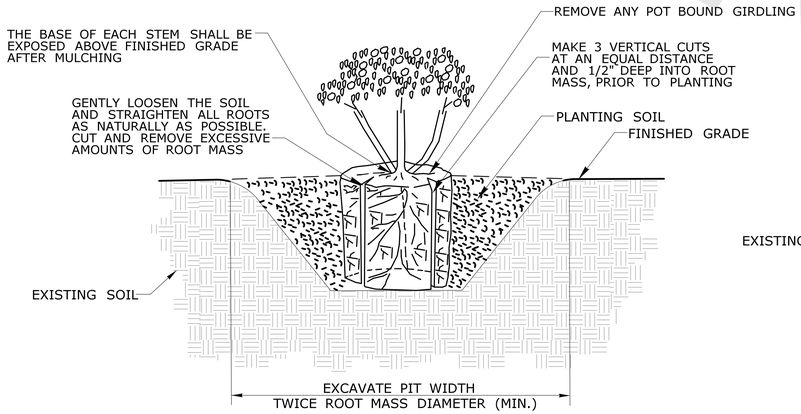
BACKFILL AND MULCH FOR PLANTING



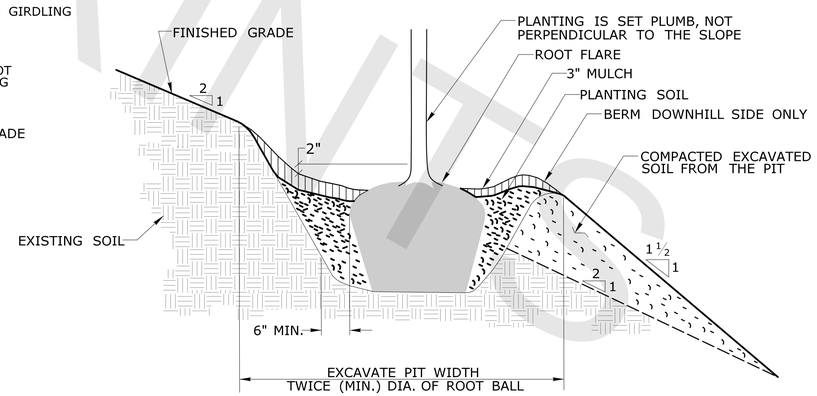
HEAVY CLAY PLANTINGS



VINE PLANTING



CONTAINER GROWN PLANTING



SLOPE PLANTING

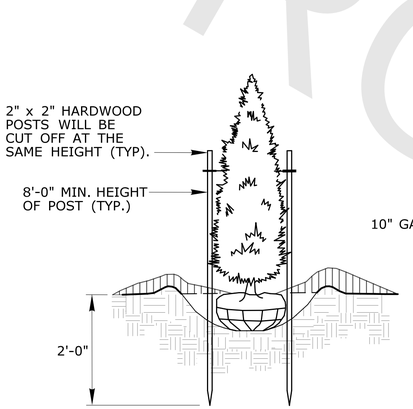
	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: LANDSCAPE PLANTING	STANDARD SHEET NO.: HW-949_01a

PLOTTED DATE: 7/1/2020

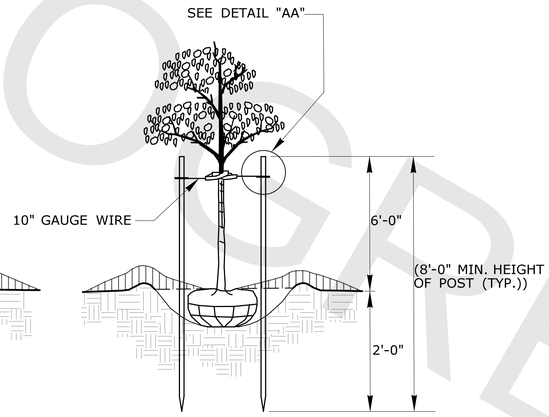
PROGRESS PRINTS

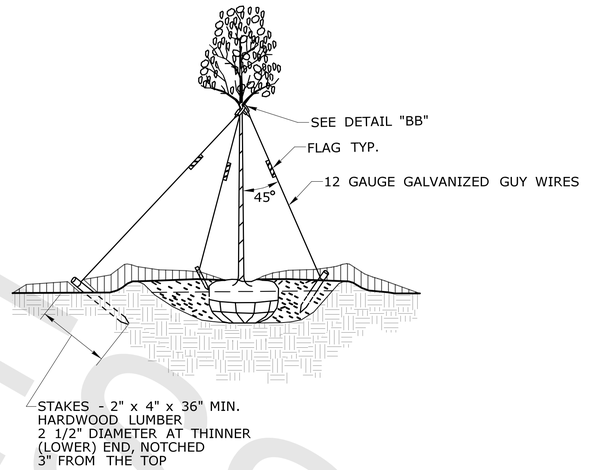
GENERAL NOTES:

1. THE CONTRACTOR SHALL SUBMIT A STAKING PLAN FOR APPROVAL.
2. THE CONTRACTOR SHALL SUBMIT THE USE OF ANY OTHER MATERIALS FOR APPROVAL.
3. USE 3 POSTS FOR STAKING TREES 3" CALIPER OR GREATER AND EVERGREEN TREES 8' HIGH OR GREATER
4. USE DOUBLE STRAND 12 GAUGE GALVANIZED GUY WIRE FOR DECIDUOUS TREES GREATER THAN OR EQUAL TO 3" CALIPER AND USE DOUBLE STRAND 10 GAUGE GALVANIZED GUY WIRE FOR EVERGREEN TREES GREATER THAN OR EQUAL TO 8" CALIPER

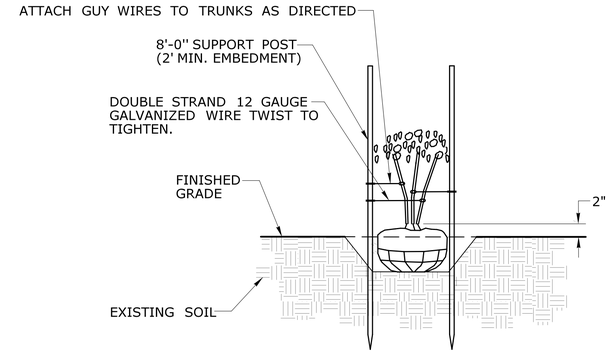


TWO STAKES

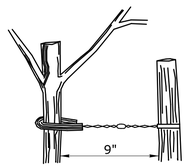




THREE GUYS AND STAKES



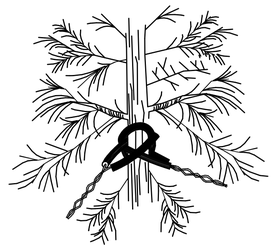
STAKING FOR MULTI-STEMMED TREES



DETAIL "AA"
POST AND GUY WIRE

ANCHOR TREE TO POST(S) USING GALVANIZED GUY WIRE AND 3/8" MIN. INSIDE DIAMETER RUBBER HOSE

GUY WIRES SHOULD BE PLACED AT LEAST HALF WAY UP THE TRUNK



DETAIL "BB"
GUY WIRES AROUND TRUNK

ANCHOR TREE TO STAKES USING GALVANIZED GUY WIRES AND 3/8" MIN. INSIDE DIAMETER RUBBER HOSE

GUY WIRES SHOULD BE PLACED AT LEAST HALF WAY UP THE TRUNK

	NOT TO SCALE #####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: TREE STAKING / STANDARD SHEET NO.: HW-949_01b

PLOTTED DATE: 7/1/2020

ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #

	SHEET NO.	TITLE	APPROVAL DATE
✓	TR-1000_01	GENERAL CLAUSES (TEST PROCEDURES)	1/2014
✓	TR-1001_01	TRENCHING & BACKFILLING, ELECTRICAL CONDUIT	4/2012
	TR-1002_01	TRAFFIC CONTROL FOUNDATIONS	1/2014
	TR-1010_01	CONCRETE HANDHOLE	4/2014
✓	TR-1102_01	PEDESTALS, PEDESTRIAN SIGNALS	4/2012
	TR-1105_01	TRAFFIC SIGNALS AND CABLE ASSIGNMENTS	8/2018
	TR-1107_01	PEDESTRIAN PUSH BUTTON	8/2018
	TR-1108_01	CONTROLLERS	5/2013
	TR-1111_01	LOOP VEHICLE DETECTOR AND SAWCUT	4/2014
	TR-1113_01	CONTROL CABLE	4/2014
	TR-1114_01	BONDING & UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAILS	8/2018

	SHEET NO.	TITLE	APPROVAL DATE
✓	TR-1205_01	DELINEATION, DELINEATORS AND OBJECT MARKER DETAILS	8/2018
✓	TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS	8/2018
✓	TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS	6/2017
	TR-1210_01	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS	OBSOLETE
	TR-1210_02	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS	OBSOLETE
	TR-1210_03	SPECIAL DETAILS & TYPICAL PAVEMENT MARKINGS FOR TWO-WAY HIGHWAYS	OBSOLETE
✓	TR-1210_04	PAVEMENT MARKING LINES AND SYMBOLS	8/2018
	TR-1210_05	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	4/2017
✓	TR-1210_06	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	8/2018
	TR-1210_07	PAVEMENT MARKINGS FOR EXIT RAMPS	4/2017
✓	TR-1210_08	PAVEMENT MARKINGS FOR NON FREEWAYS	8/2018
✓	TR-1210_09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RR CROSSINGS	4/2017
✓	TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS	8/2018
✓	TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES	8/2018

STANDARD SHEETS SHALL BE USED WITH STANDARD SPECIFICATIONS

REV.	DATE	REVISION DESCRIPTION
4	4-2017	REMOVED TR-1210_01 TO TR-1210_03. ADDED TR-1210_04 TO TR-1210_09
3	4-2014	REMOVED TR-1111_02.
2	1-2014	REMOVED TR-1103_01.
1	4-2012	RENUMBERED TR-1107_02 TO TR-1114_01. REMOVED TR-1116_01.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 8/16/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD_DGN.DGN Model: TR-01-STD_INDEX

SUBMITTED BY: NAME/DATE/TIME:

CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

TRAFFIC
STANDARD SHEET INDEX

STANDARD SHEET NO.:

TR-STD_INDEX

PROGRESS PRINTS