

GENERAL NOTES:

1. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND INSPECTIONS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENT AGENCIES.
2. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND AT HIS EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
3. LOCATION OF EXISTING SEWER, WATER OR GAS LINES, CONDUITS OR OTHER STRUCTURES ACROSS, UNDERNEATH, OR OTHERWISE ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS, AND IF SHOWN ARE ONLY APPROXIMATELY CORRECT. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UTILITIES IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS. IF THERE APPEARS TO BE A CONFLICT, OR UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THE PLANS, CONTACT ENGINEER IMMEDIATELY.
4. EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED TO LIKE-NEW CONDITION BY THE CONTRACTOR.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.
6. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED, AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE IN WHICH IT IS TO BE PERFORMED.
7. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK.
8. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. SHOULD THE CONTRACTOR REQUIRE DIRECT CONSULTATION, FDH ENGINEERING, INC. IS WILLING TO OFFER SERVICES BASED UPON AN AGREED FEE FOR THE WORK REQUIRED.
9. NEITHER THE PROFESSIONAL ACTIVITIES OF FDH ENGINEERING, INC. NOR THE PRESENCE OF FDH ENGINEERING, INC. EMPLOYEES AND SUB-CONSULTANTS AT THE CONSTRUCTION SITE SHALL RELIEVE THE GENERAL CONTRACTOR AND OR SUBCONTRACTORS AND ANY OTHER ENTITY OF THEIR OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO: CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES, OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING, OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE GENERAL CONTRACTOR AND OR SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY, AND WARRANTS THAT THIS INTENT IS EVIDENT BY ACCEPTING THIS WORK.
10. IF CONTRACTOR WISHES TO FURNISH OR USE A SUBSTITUTE ITEM OF MATERIAL OR EQUIPMENT, CONTRACTOR SHALL FIRST MAKE WRITTEN APPLICATION TO ENGINEER FOR ACCEPTANCE. THEREOF, CERTIFYING THAT THE PROPOSED SUBSTITUTE WILL PERFORM ADEQUATELY THE FUNCTIONS AND ACHIEVE THE RESULTS CALLED FOR BY THE GENERAL DESIGN. BE SIMILAR IN SUBSTANCE TO THAT SPECIFIED AND SUITED TO THE SAME USE AS THAT SPECIFIED. ALL VARIATIONS OF THE PROPOSED SUBSTITUTE FROM THAT SPECIFIED WILL BE IDENTIFIED IN THE APPLICATION AND AVAILABLE MAINTENANCE, REPAIR, AND REPLACEMENT SERVICE WILL BE INDICATED. THE APPLICATION WILL ALSO CONTAIN AN ITEMIZED ESTIMATE OF ALL COSTS OR CREDITS THAT WILL RESULT DIRECTLY OR INDIRECTLY FROM ACCEPTANCE OF SUCH SUBSTITUTE INCLUDING COSTS OF REDESIGN AND CLAIMS OF OTHER CONTRACTORS AFFECTED BY THE RESULTING CHANGE. ALL OF WHICH WILL BE CONSIDERED BY ENGINEER IN EVALUATION OF THE PROPOSED SUBSTITUTE. ENGINEER MAY REQUIRE CONTRACTOR TO FURNISH ADDITIONAL DATA ABOUT THE PROPOSED SUBSTITUTE.
11. ALL SURVEY WORK ASSOCIATED WITH THE IMPROVEMENTS RECOMMENDED HEREIN SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR IN THE STATE OF WORK PERFORMED.
12. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
13. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.
14. ANY DAMAGE TO LOCAL PROPERTIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
15. COORDINATE THE CONSTRUCTION STAGING AREA WITH THE PROPERTY OWNER AND THE PROPERTY MANAGER WELL IN ADVANCE OF THE CONSTRUCTION START DATE.
16. ALL EXCESS FILL OR SPOIL SHALL BE REMOVED FROM THE SITE OR STORED IN A LOCATION APPROVED BY SBA COMMUNICATIONS AND THE PROPERTY OWNER.
17. EASEMENT LOCATIONS DEPICTED ON THIS PLAN ARE APPROXIMATE AND ARE NOT INTENDED TO ILLUSTRATE ACTUAL LEGAL BOUNDARIES.
18. ALL MATERIALS USED SHALL MEET THE SPECIFICATIONS OF THE STATE DOT UNLESS OTHERWISE SPECIFIED.
19. REMOVE ALL ORGANICS AND OTHER DEBRIS FROM THE AREA TO BE FILLED, EXCAVATED, OR GRADED.
20. SITE OWNER AND/OR CONTRACTOR ARE RESPONSIBLE FOR COORDINATING THE PROPOSED WORK WITH THE TOWN OR OTHER AGENCY HAVING JURISDICTION OVER THE PORTION OF THE ROADWAY FOR WHICH WORK IS PROPOSED. OBTAINING ALL TOWN OR OTHER GOVERNING AGENCY REQUIRED REVIEWS, APPROVALS, PERMITS AND PERMISSIONS TO PERFORM WORK AS SPECIFIED IN THIS PLAN ARE THE SOLE RESPONSIBILITY OF THE SITE OWNER AND/OR CONTRACTOR.
21. CONTRACTOR TO NOTIFY THE APPROPRIATE GOVERNING AGENCY BEFORE PERFORMING WORK IN ANY JURISDICTIONAL STREAM, WETLAND, OR OTHER WATERBODY.
22. ALL CONSTRUCTION EQUIPMENT SHALL BE STAGED AND OPERATED FROM THE BANKS OF WEWAKA BROOK, OUTSIDE OF THE DENUDED WETLANDS AND ABOVE THE ELEVATION OF ORDINARY HIGH WATER.

ENVIRONMENTAL NOTES:

VERNAL POOL PROTECTION PROTECTION PROGRAM

THE CONSTRUCTION AREA IS LOCATED IN PROXIMITY TO SENSITIVE WETLAND RESOURCE AREAS THAT PROVIDE VERNAL POOL HABITAT. THE FOLLOWING PROTECTIVE MEASURES WILL AVOID UNINTENTIONAL MORTALITY TO VERNAL POOL HERPTOFAUNA (I.E. SPOTTED SALAMANDER, WOOD FROG, ETC.) AS A RESULT OF CONSTRUCTION ACTIVITIES FOR THE SITE IMPROVEMENTS PROPOSED. THIS VERNAL POOL PROTECTION PROGRAM HAS BEEN DEVELOPED IN ACCORDANCE WITH RECOMMENDATION CONTAINED IN THE CONNECTICUT SITING COUNCIL'S CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED (DOCKET NO. 412, JANUARY 19, 2012) WITH ADHERENCE TO THIS VERNAL POOL PROTECTION PROGRAM. THE PROPOSED DEVELOPMENT AT THIS PROPERTY WILL NOT HAVE AN ADVERSE EFFECT ON VERNAL POOL SPECIES.

IT IS OF THE UTMOST IMPORTANCE THAT THE CONTRACTOR COMPLIES WITH THE REQUIREMENTS FOR THE INSTALLATION OF PROTECTIVE MEASURES AND THE EDUCATION OF EMPLOYEES AND SUBCONTRACTORS PERFORMING WORK ON THE PROJECT SITE. ALL-POINTS TECHNOLOGY CORPORATION, P.C. (APT) WILL SERVE AS THE ENVIRONMENTAL MONITOR FOR THIS PROJECT TO ENSURE THAT VERNAL POOL PROTECTION MEASURES ARE IMPLEMENTED PROPERLY. THE CONTRACTOR SHALL CONTACT DEAN GUSTAFSON, SENIOR WETLAND SCIENTIST AT APT, AT LEAST 5 BUSINESS DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. MR. GUSTAFSON CAN BE REACHED AT (860) 884-9515 AND AT DGUSTAFSON@ALLPOINTS.TECH.COM

THE PROPOSED VERNAL POOL PROTECTION PROGRAM CONSISTS OF SEVERAL COMPONENTS. ISOLATION OF THE PROJECT PERIMETER; PERIODIC INSPECTION AND MAINTENANCE OF ISOLATION STRUCTURES; HERPTOFAUNA SWEEPS; EDUCATION OF ALL CONTRACTORS AND SUB-CONTRACTORS PRIOR TO INITIATION OF WORK ON THE SITE; PROTECTIVE MEASURES; AND REPORTING.

1. SEASONAL RESTRICTION
 - A. CONSTRUCTION WILL BE SEASONALLY RESTRICTED FROM OCCURRING BETWEEN MARCH 1 TO MAY 15 TO AVOID CONSTRUCTION ACTIVITIES AND POTENTIAL DISTURBANCE DURING THE PEAK AMPHIBIAN MIGRATION AND BREEDING PERIOD. ACCESS DRIVE CONSTRUCTION ACTIVITIES LOCATED MORE THAN 750 FEET FROM THE VERNAL POOLS ARE NOT SEASONALLY RESTRICTED FROM THIS PERIOD. EXCEPTING IN-STREAM WORK SEASONAL RESTRICTIONS ASSOCIATED WITH THE BRIDGE REPLACEMENT WORK (UNCONFINED IN-STREAM WORK, INCLUDING CONSTRUCTION INSTALLATION OR REMOVAL OF COFFERDAM STRUCTURES OR PLACEMENT OF FILL, IS LIMITED TO THE PERIOD JULY 1 THROUGH SEPTEMBER 30).
2. ISOLATION MEASURES
 - A. INSTALLATION OF CONVENTIONAL SILT FENCING, WHICH WILL ALSO SERVE AS AN ISOLATION OF THE WORK ZONE FROM SURROUNDING AREAS AND IS REQUIRED FOR EROSION CONTROL COMPLIANCE, SHALL BE PERFORMED BY THE CONTRACTOR FOLLOWING CLEARING ACTIVITIES AND PRIOR TO ANY EARTHWORK. APT WILL INSPECT THE WORK ZONE AREA PRIOR TO AND FOLLOWING EROSION CONTROL BARRIER INSTALLATION TO ENSURE THE AREA IS FREE OF VERNAL POOL HERPTOFAUNA.
 - B. THE FENCING WILL CONSIST OF CONVENTIONAL EROSION CONTROL WOVEN FABRIC, INSTALLED APPROXIMATELY SIX INCHES BELOW SURFACE GRADE TO BURY THE BOTTOM OF THE SILT FENCE AND STAKED AT SEVEN TO TEN-FOOT INTERVALS USING FIVE-FOOT STEEL OR OAK STAKES. IN ADDITION TO REQUIRED DAILY INSPECTION BY THE CONTRACTOR, THE FENCING WILL BE INSPECTED FOR TEARS OR BREACHES IN THE FABRIC FOLLOWING INSTALLATION AND AT APPROXIMATELY ONE-WEEK INTERVALS OR AFTER STORM EVENTS OF 0.5 INCH OR GREATER BY APT. INSPECTIONS WILL BE CONDUCTED BY APT THROUGHOUT THE COURSE OF THE CONSTRUCTION PROJECT.
 - C. THE EXTENT OF THE BARRIER FENCING WILL BE AS SHOWN ON THE SITE PLANS. FIELD CONDITIONS MAY REQUIRE THE INSTALLATION OF ADDITIONAL BARRIER FENCING AT THE DIRECTION OF APT. THE CONTRACTOR SHALL MAINTAIN ADDITIONAL SUPPLIES OF BARRIER FENCING AND EROSION CONTROLS ON SITE FOR THIS PURPOSE.
 - D. NO EQUIPMENT, VEHICLES OR CONSTRUCTION MATERIALS SHALL BE STORED OUTSIDE OF BARRIER FENCING.
3. CONTRACTOR EDUCATION:
 - A. PRIOR TO WORK ON SITE, THE CONTRACTOR SHALL ATTEND AN EDUCATIONAL SESSION AT THE PRE-CONSTRUCTION MEETING WITH APT. THIS ORIENTATION AND EDUCATIONAL SESSION WILL CONSIST OF AN INTRODUCTORY SESSION WITH PHOTOS IDENTIFYING VARIOUS COMMON VERNAL POOL HERPTOFAUNA, STRESSING THE NON-AGGRESSIVE NATURE OF THESE SPECIES AND THE ABSENCE OF NEED TO DESTROY ANIMALS THAT MIGHT BE ENCOUNTERED, HOW TO PROPERLY HANDLE THESE SPECIES IF ENCOUNTERED AND THE NEED TO FOLLOW PROTECTIVE MEASURES AS DESCRIBED IN SECTION 4.
 - B. THE CONTRACTOR WILL BE PROVIDED WITH CELL PHONE AND EMAIL CONTACTS FOR APT ENVIRONMENTAL MONITOR STAFF TO IMMEDIATELY REPORT ANY ENCOUNTERS WITH VERNAL POOL HERPTOFAUNA. POSTER MATERIALS WILL BE PROVIDED BY APT TO THE CONTRACTOR FOR POSTING ON THE JOB SITE TO MAINTAIN WORKER AWARENESS OF THE SENSITIVE NATURE OF THE JOB SITE.
4. PROTECTIVE MEASURES
 - A. A THOROUGH COVER SEARCH OF THE CONSTRUCTION AREA WILL BE PERFORMED BY AN APT ENVIRONMENTAL MONITOR FOR VERNAL POOL HERPTOFAUNA PRIOR TO AND FOLLOWING INSTALLATION OF SILT FENCING TO REMOVE ANY SPECIES FROM THE WORK ZONE PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES.
 - B. PRIOR TO THE START OF CONSTRUCTION EACH DAY, THE CONTRACTOR SHALL SEARCH THE ENTIRE WORK AREA FOR VERNAL POOL HERPTOFAUNA.
 - C. IF HERPTOFAUNA ARE FOUND, THEY SHOULD BE CAREFULLY GRASPED IN BOTH HANDS AND PLACED JUST OUTSIDE OF THE ISOLATION BARRIER IN THE APPROXIMATE DIRECTION THEY WERE HEADING.
 - D. SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR DURING EARLY MORNING AND EVENING HOURS SO THAT POSSIBLE BASKING OR FORAGING HERPTOFAUNA ARE NOT HARMED BY CONSTRUCTION ACTIVITIES.
 - E. ANY STORMWATER MANAGEMENT FEATURES, RUTS OR ARTIFICIAL DEPRESSIONS THAT COULD HOLD WATER CREATED INTENTIONALLY OR UNINTENTIONALLY BY SITE CLEARING/CONSTRUCTION ACTIVITIES WILL BE PROPERLY FILLED IN AND PERMANENTLY STABILIZED WITH VEGETATION TO AVOID THE CREATION OF VERNAL POOL "DECOY POOLS" THAT COULD INTERCEPT AMPHIBIANS MOVING TOWARD THE VERNAL POOLS. STORMWATER MANAGEMENT FEATURES SUCH AS FLANGE POOLS LOCATED WITHIN 750 FEET OF VERNAL POOL HABITAT WILL CAREFULLY REVIEWED IN THE FIELD TO ENSURE THAT STANDING WATER DOES NOT ENDURE FOR MORE THAN A 24 HOUR PERIOD TO AVOID CREATION OF DECOY POOLS AND MAY BE SUBJECT TO FIELD DESIGN CHANGES. ANY SUCH DESIGN CHANGES WILL BE REVIEWED BY THE DESIGN ENGINEER TO ENSURE STORMWATER MANAGEMENT FUNCTIONS ARE MAINTAINED.
 - F. EROSION CONTROL MEASURES WILL BE REMOVED NO LATER THAN 30 DAYS FOLLOWING FINAL SITE STABILIZATION SO AS NOT TO IMPEDE MIGRATION OF AMPHIBIANS OR OTHER WILDLIFE.
 - G. THE USE OF HERBICIDES AND PESTICIDES AT THE PROPOSED WIRELESS TELECOMMUNICATIONS FACILITY AND ALONG THE PROPOSED ACCESS DRIVE ARE STRICTLY PROHIBITED.
5. REPORTING
 - A. WEEKLY INSPECTION REPORTS (BRIEF NARRATIVE AND APPLICABLE PHOTOS) WILL BE SUBMITTED TO THE CONNECTICUT SITING COUNCIL FOR COMPLIANCE VERIFICATION. ANY OBSERVATIONS OF VERNAL POOL HERPTOFAUNA WILL BE INCLUDED IN THE REPORTS.

PROJECT DESCRIPTION:
BRIDGEWATER 4 - BRIDGE REPLACEMENT
BRIDGEWATER, CT



SITE NAME:
BRIDGEWATER 4, CT

CT11934-S

SITE ADDRESS:
WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752

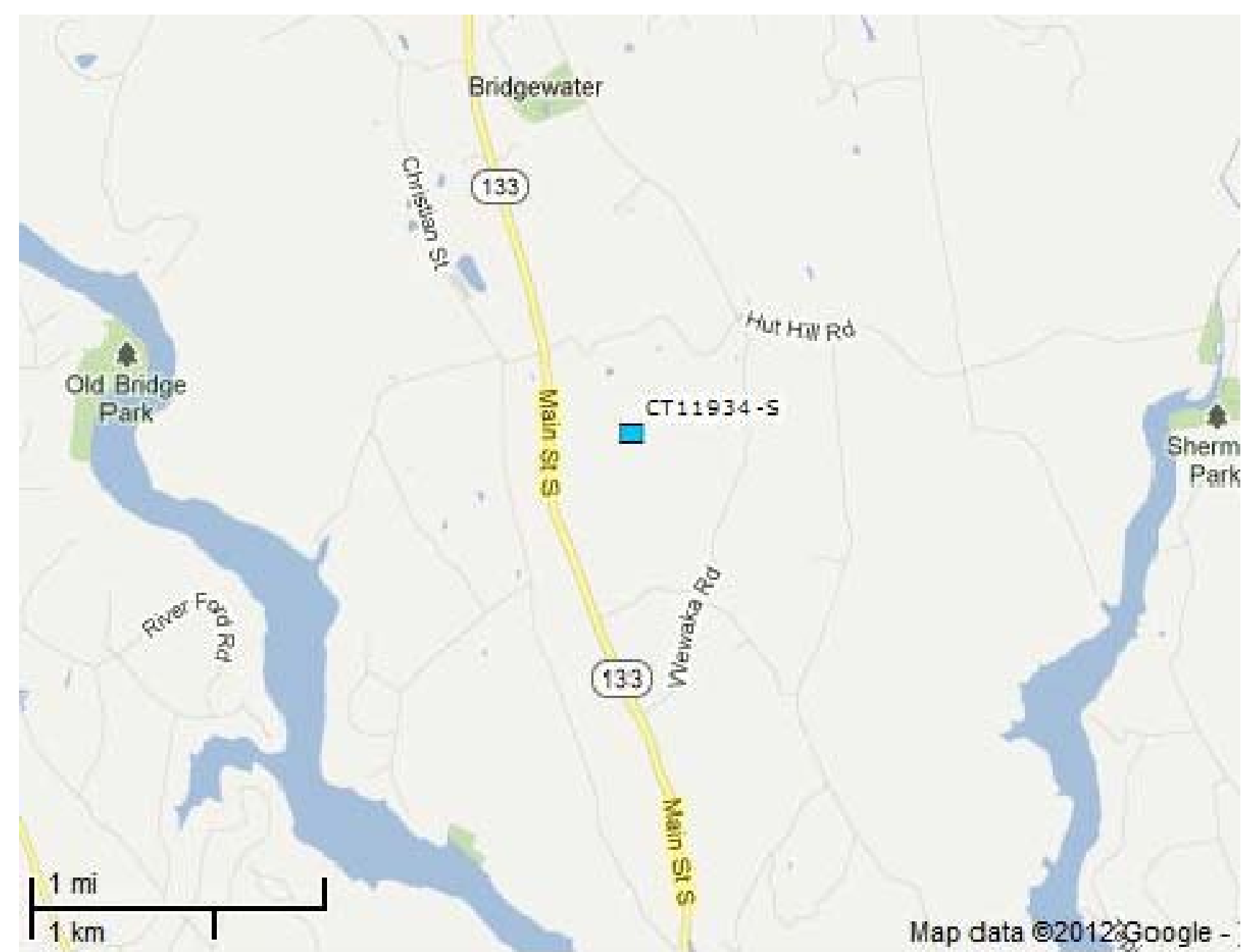
LATITUDE - 41° 30' 31.50" N
 LONGITUDE - 73° 21' 16.00" W

OWNER CONTACT

CONTACT: SEAN GORMLEY
 SITE DEVELOPMENT MANAGER
PHONE: (508) 251-0720 EXT. 304

PROJECT CONTACT

ENGINEER: FDH ENGINEERING, INC.
CONTACT: SALMAN MOAZZAM, P.E.
ADDRESS: 6521 MERIDIEN DRIVE
 RALEIGH, NC 27616
PHONE: (919) 755-1012
FAX: (919) 755-1031



VICINITY MAP

SHEET INDEX	
SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
C-1	DEMOLITION PLAN
C-2	TEMPORARY ACCESS ROAD
C-3	SITE PLAN
S-1	STRUCTURAL BRIDGE PLANS AND DETAILS

UTILITY LOCATE

CONTACT AT LEAST 48 HOURS
PRIOR TO CONSTRUCTION

CALL CENTER: 811 OR 800-922-4455
WEBSITE: WWW.CBYD.COM

BASE MAP NOTES:

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE 'STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT' AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1996. THE BOUNDARY LINES SHOWN ON THIS PLAN WERE COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
 - TYPE OF SURVEY: COMPLETION PLAN
 - BOUNDARY DETERMINATION CATEGORY: NONE
 - CLASS OF ACCURACY: HORIZONTAL CLASS A-2
 - VERTICAL CLASS V-2
 - TOPOGRAPHIC CLASS T-2
2. PROPERTY LINES SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND TAX MAPS AS OVERLaid ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY SURVEY WAS NOT PERFORMED BY CHA AND AS A RESULT THE PROPERTY LINES SHOWN ARE APPROXIMATE AND DO NOT PRESENT A PROPERTY/BOUNDARY OPINION.
3. BASE MAPPING PREPARED BY CHA FROM AN FEBRUARY, APRIL AND MAY 2010 FIELD SURVEY.
4. NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FEBRUARY 2010 FIELD SURVEY.
5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES, IF ANY, HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY. THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.
6. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
7. LATITUDE/LONGITUDE ARE REFERENCED TO NAD83 CONNECTICUT ZONE. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD83 TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION. INFORMATION SHOWN BASED ON FAA 3C CERTIFICATION ACCURACY LEVEL DEFINED AS:
 HORIZONTAL: ±50 FEET / 15 METERS
 VERTICAL: ±20 FEET / 6 METERS
8. SITE FALLS WITHIN ZONE "AM" DEFINED AS AREAS INUNDATED BY 100 YEAR FLOODING, FOR WHICH NO BFES HAVE BEEN ESTABLISHED, AND "B" DEFINED AS AREAS OF 100-YEAR FLOODING WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; OR AN AREA PROTECTED BY LEVEES FROM 100-YEAR FLOODING, AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF BRIDGEWATER, CONNECTICUT, LITCHFIELD COUNTY, PANEL 6 OF 8, COMMUNITY PANEL NUMBER 080184 0008 B. EFFECTIVE DATE NOVEMBER 1, 1979.
9. WETLANDS SHOWN AS DELINEATED BY VANASSE HANGEN BRUSTLIN, INC., DATED 4-19-10 AND LOCATED BY CHA DURING THE FIELD SURVEY.

6521 MERIDIEN DRIVE
 RALEIGH, NC 27616
 PHONE: 919-755-1012
 FAX: 919-755-1031

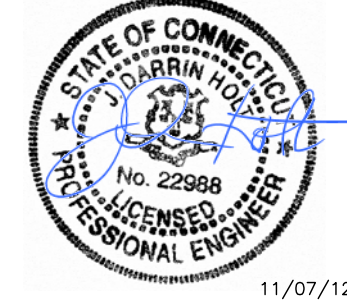
FDH

ENGINEERING INNOVATION

SBA

8500 BUSINESS SOUND PARKWAY, NW
 BOCA RATON, FL 33497
 (800) 487-5176

THE INFORMATION CONTAINED BY THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. REPRODUCTION OR CARRING TO BE REPRODUCED THE WHOLE OR ANY PART OF THESE DRAWINGS WITHOUT THE PERMISSION OF FDH ENGINEERING, INC. IS PROHIBITED.



J. DARRIN HOLT, P.E.
 CONNECTICUT LICENSE NO. 22988

PROJECT NO.: 00-00000
 DRAWN BY: CB
 CHECKED BY: SM
 ENG. APP'Y: DH

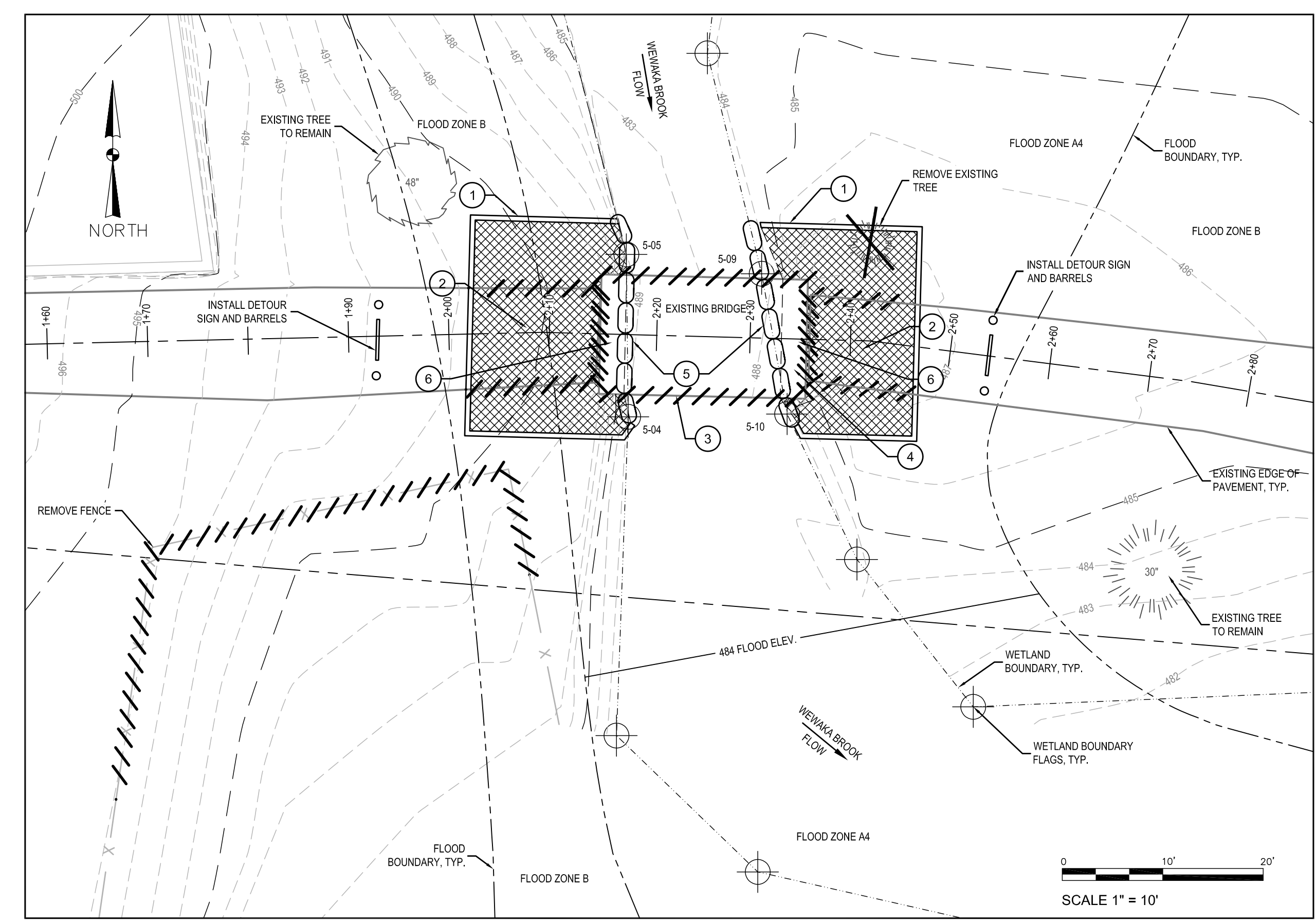
SUBMITTALS		
DATE	DESCRIPTION	REV
11/17/12	DEMOLITION	A

BRIDGEWATER 4
PERMIT DRAWINGS
 WEWAKA BROOK ROAD
 BRIDGEWATER, CT 06752

SHEET TITLE
 TITLE SHEET

SHEET NUMBER
T-1

SUBMITTALS		
DATE	DESCRIPTION	REV
10/17/12	DESIGN/PLAN	A



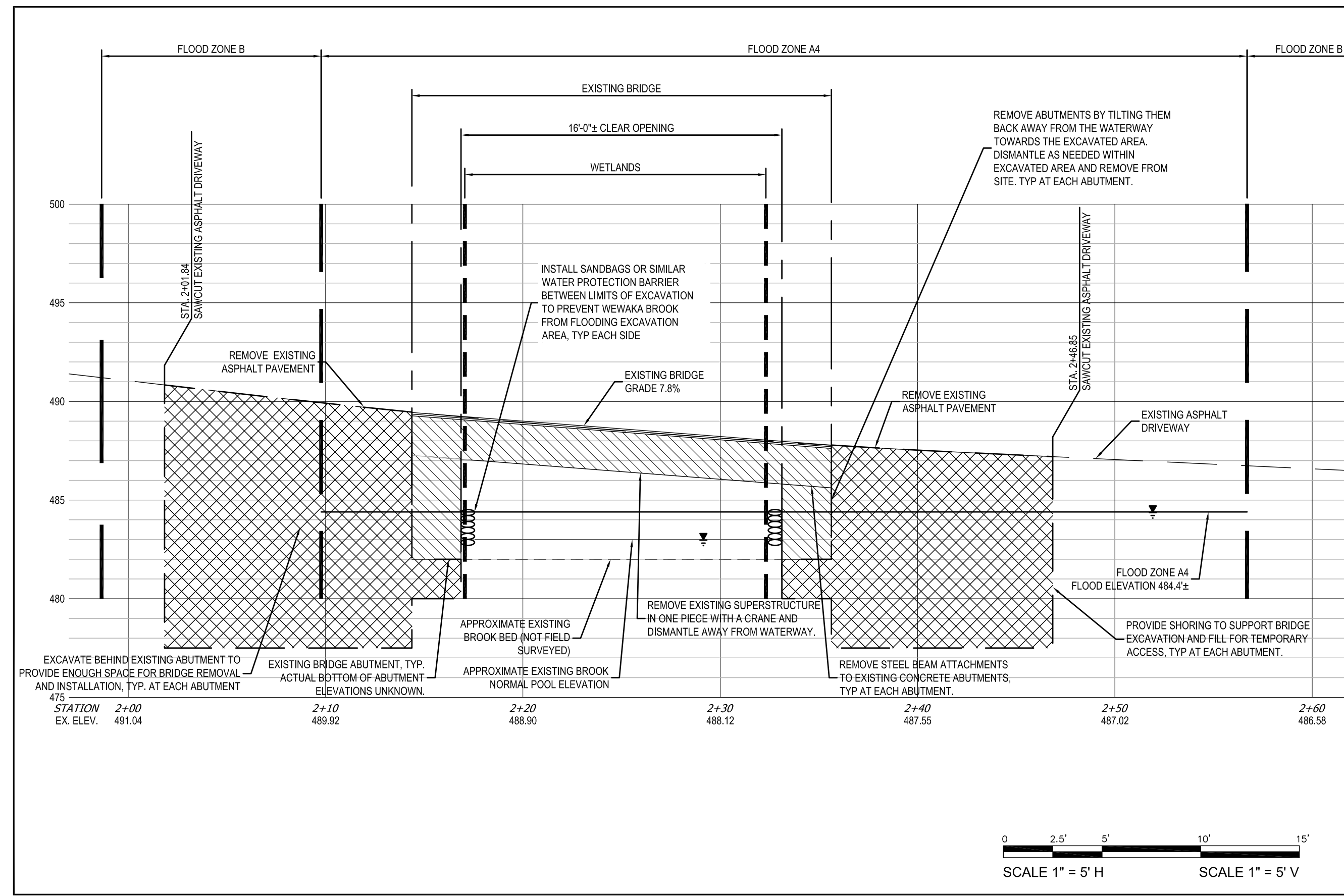
BRIDGE DEMOLITION SITE PLAN

- BRIDGE DEMOLITION SEQUENCE:**
- 1 PROVIDE SHORING TO SUPPORT BRIDGE EXCAVATION AND FILL FOR TEMPORARY ACCESS.
 - 2 DEMO EXISTING ASPHALT DRIVE AND EXCAVATE BEHIND EXISTING ABUTMENT TO PROVIDE ENOUGH SPACE FOR BRIDGE REMOVAL AND INSTALLATION, TYP. AT EACH ABUTMENT.
 - 3 REMOVE EXISTING SUPERSTRUCTURE IN ONE PIECE WITH A CRANE AND DISMANTLE AWAY FROM WATERWAY.
 - 4 REMOVE STEEL BEAM ATTACHMENTS TO EXISTING CONCRETE ABUTMENTS, TYP AT EACH ABUTMENT
 - 5 INSTALL SANDBAGS OR SIMILAR WATER PROTECTION BARRIER BETWEEN LIMITS OF EXCAVATION, (HATCHED AREA) TO PREVENT WEWAKA BROOK FROM FLOODING EXCAVATION AREA, TYP EACH SIDE.
 - 6 REMOVE ABUTMENTS BY TILTING THEM BACK AWAY FROM THE WATERWAY TOWARDS THE EXCAVATED AREA. DISMANTLE AS NEEDED WITHIN EXCAVATED AREA AND REMOVE FROM SITE. TYP AT EACH ABUTMENT.

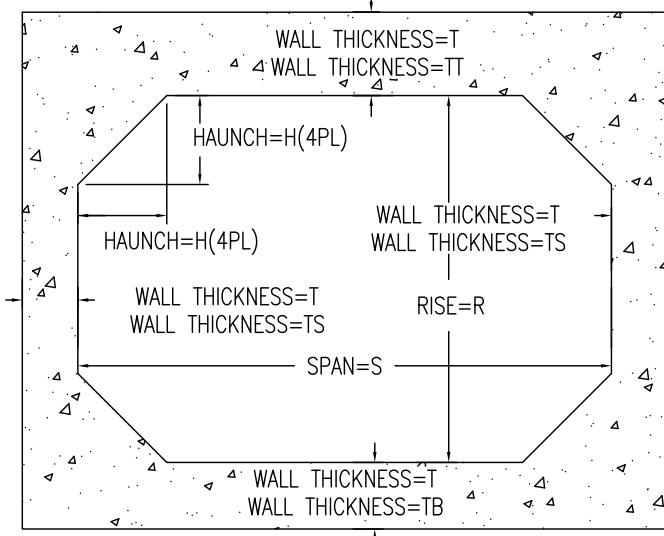
LEGEND

- EXISTING WETLAND BOUNDARY FLAG
- EXCAVATION AREA
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING FENCE
- WETLAND BOUNDARY
- FLOOD BOUNDARY
- KEYNOTE

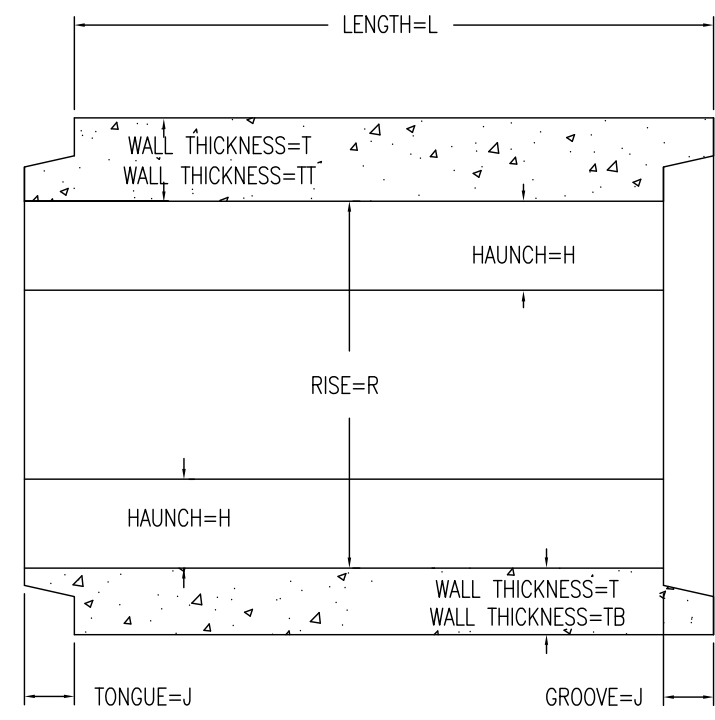
- GENERAL NOTES:**
1. THE ELEVATIONS SHOWN ON THESE DRAWINGS ARE TO BE CONSIDERED GUIDANCE AND SHOULD BE ADJUSTED TO FIT ACTUAL FIELD CONDITIONS DURING CONSTRUCTION. THE CONTRACTOR SHALL USE JUDGEMENT WHEN ESTABLISHING CONSTRUCTION GRADES AND ELEVATIONS.
 2. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND R.O.W. MONUMENTS IN THE AREAS OF CONSTRUCTION. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL PROPERTY, EASEMENT AND R.O.W. BOUNDARIES.
 3. THE CONTRACTOR SHALL VERIFY SURVEY DATA AS DEPICTED ON THE PLANS. ANY DISCREPANCIES OR OTHER ITEMS IN CONFLICT SHALL BE NOTED AND ADJUSTED WITH THE ENGINEER'S PERMISSION IN CONSULTATION WITH THE PROJECT SURVEYOR.



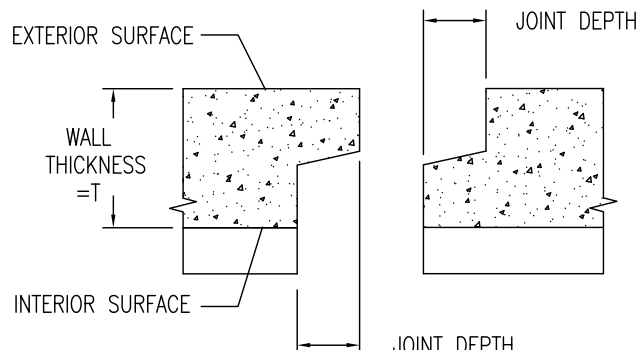
BRIDGE DEMOLITION PROFILE



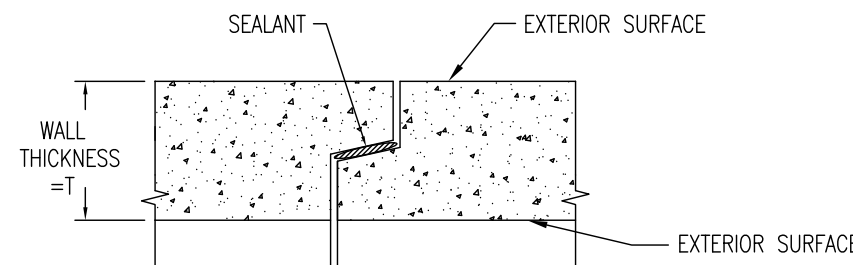
CROSS SECTION
AT CENTERLINE OF BOX SPAN
NO REINFORCEMENT SHOWN



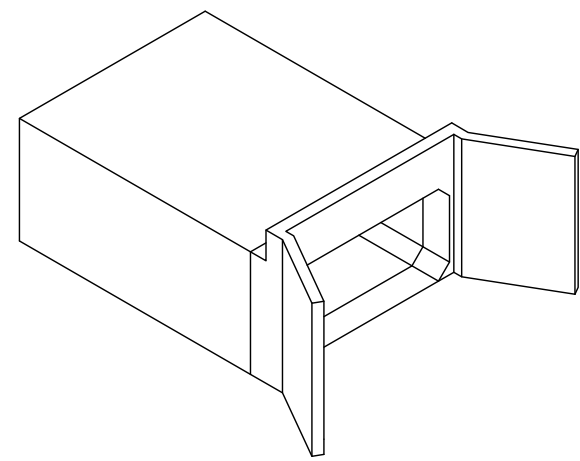
PROFILE SECTION
AT CENTERLINE OF BOX SPAN
NO REINFORCEMENT SHOWN



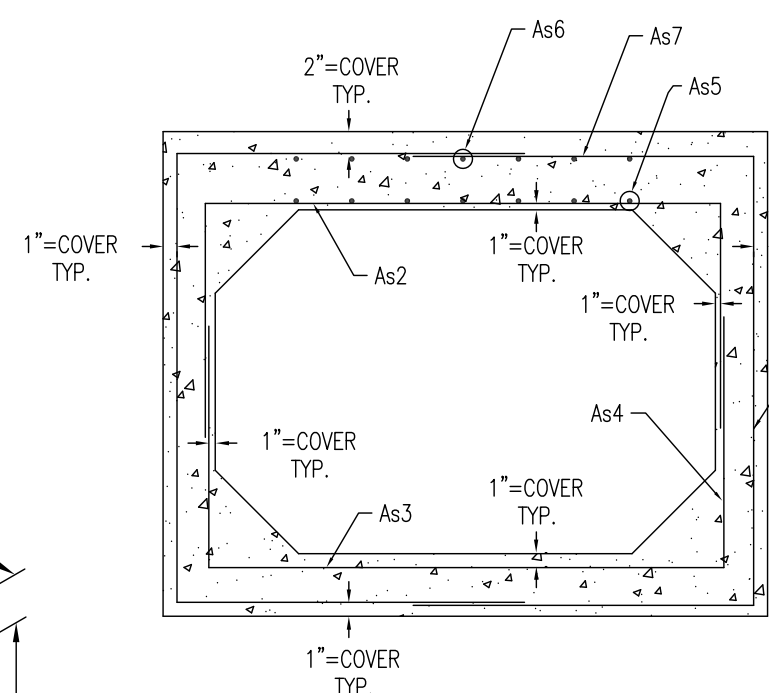
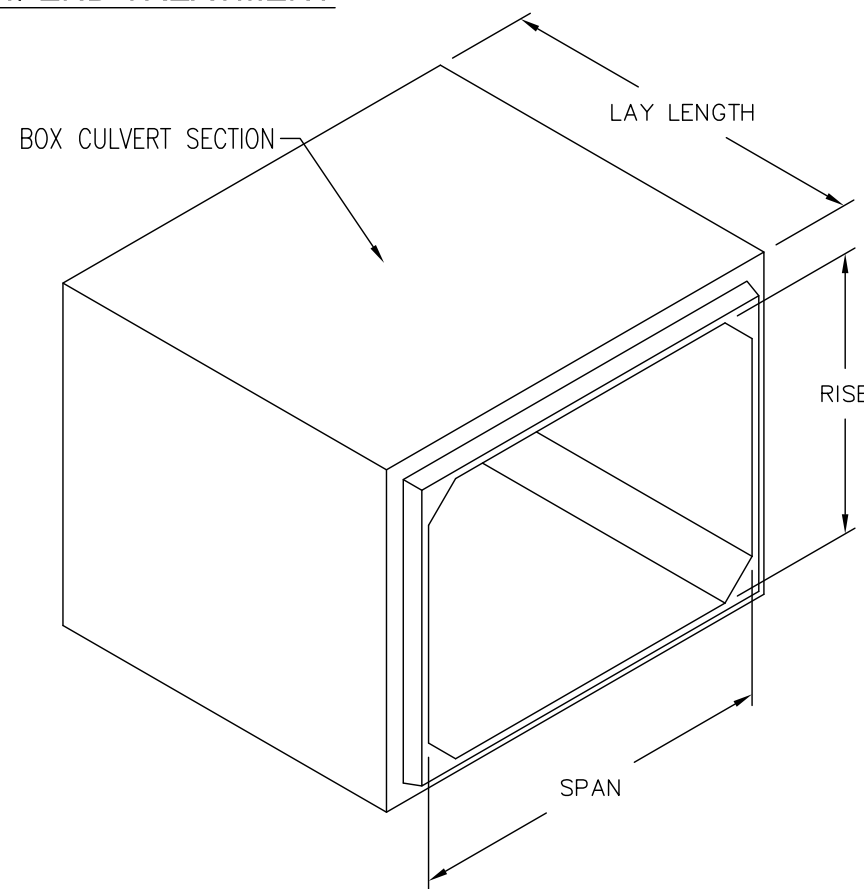
JOINT DETAILS
NO REINFORCEMENT SHOWN



JOINT DETAIL ASSEMBLED
NO REINFORCEMENT SHOWN



BOX CULVERT W/ END TREATMENT



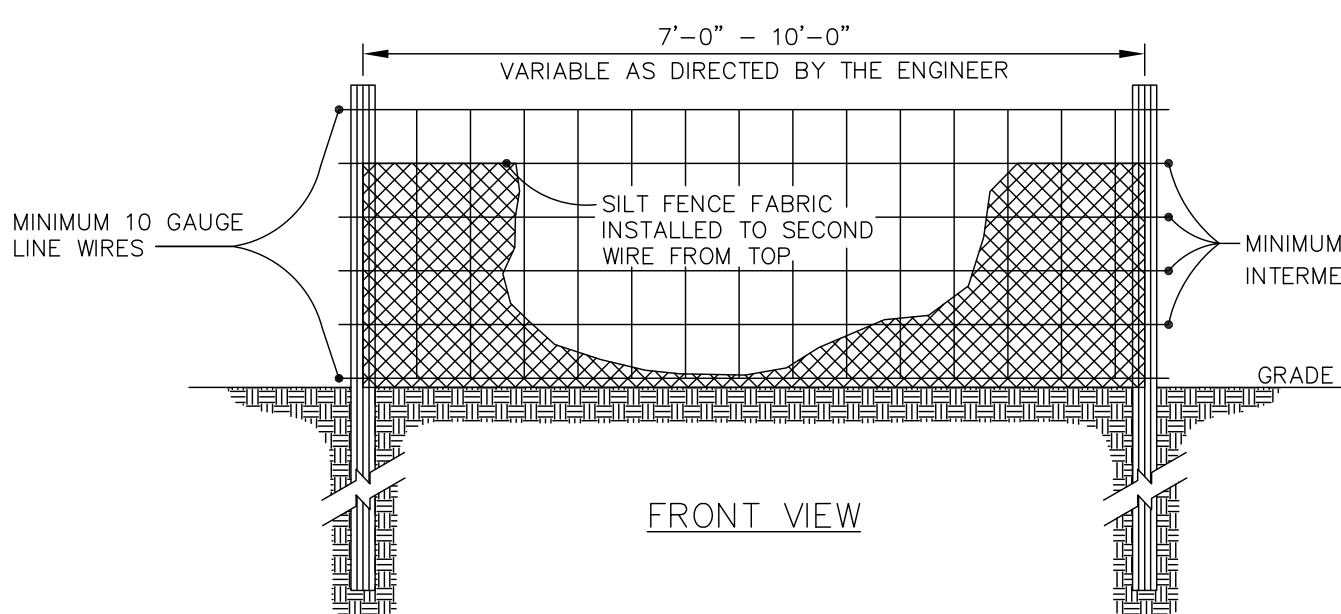
TYPICAL REINFORCEMENT
ASTM C-1433

NOTE:
AREA OF REINFORCEMENT, NUMBER OF CAGES,
AND CONCRETE COMPRESSIVE STRENGTHS SHALL
BE IN CONFORMANCE WITH A.S.T.M. SPECIFICATIONS.

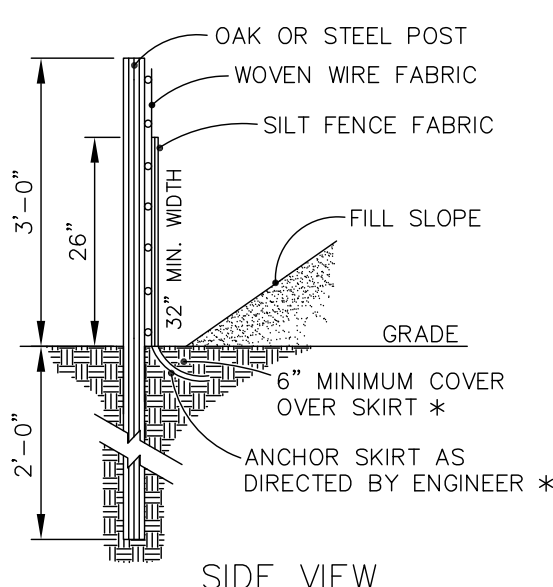
ALL DIMENSIONS ARE SUBJECT TO ALLOWABLE
SPECIFICATION TOLERANCES AND PARAMETERS.

SPAN S FEET	RISE R FEET	WALL Tt Ts Tb	HAUNCH H INCHES	LENGTH L FEET	WEIGHT WT. #/S.FT.	TONGUE J INCHES	GROOVE J INCHES	WATERWAY AREA SQ. FT.	EQUIV. DIA. INCHES
4'	4'	8" 5" 6"	8"	8'	1160	4.50"	4.50"	15.1	52.6"

Oldcastle Precast
www.oldcastleprecast.com



FRONT VIEW



SIDE VIEW

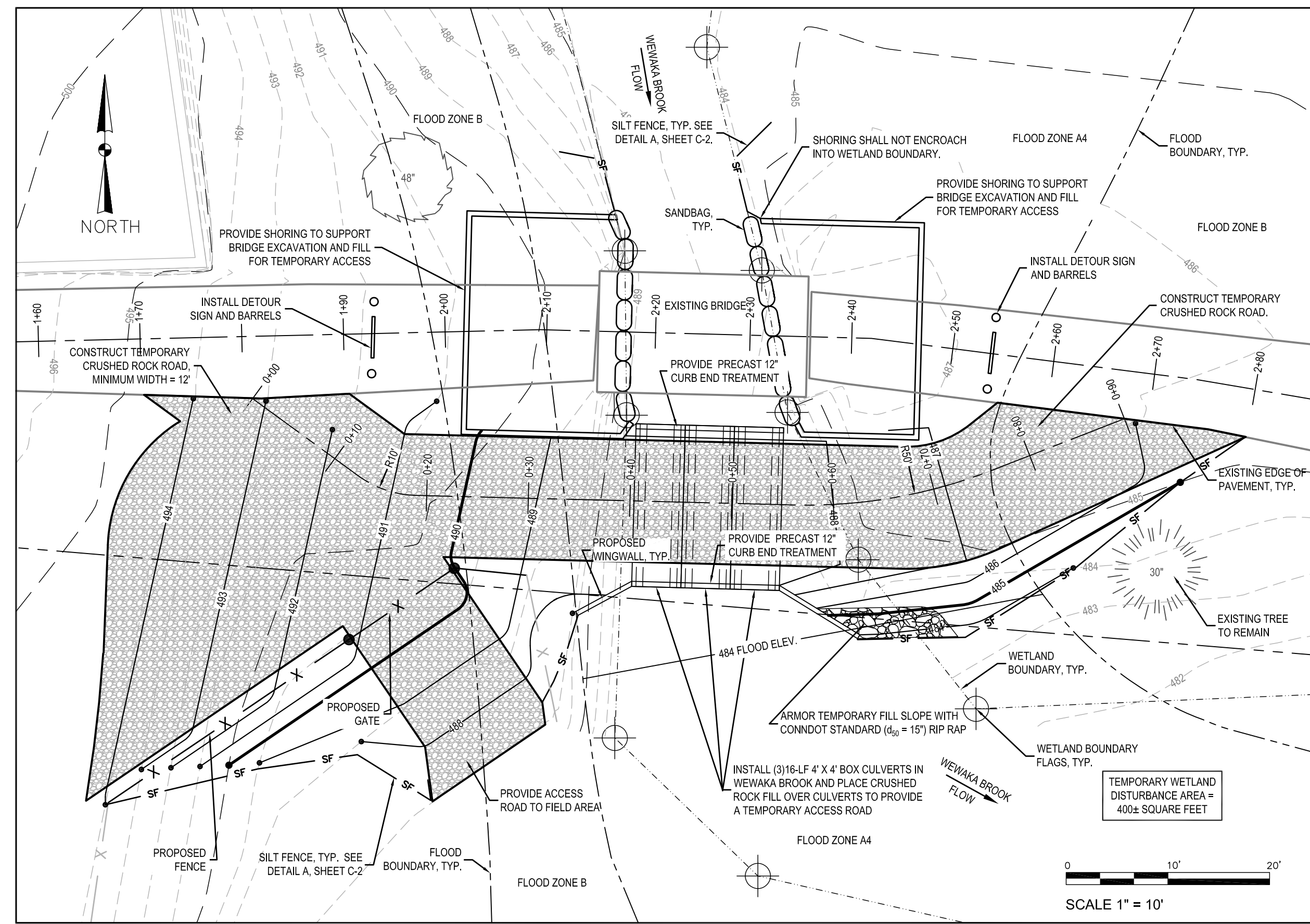
NOTE:
USE SILT FENCE ONLY WHEN DRAINAGE AREA
DOES NOT EXCEED 1/4 ACRE AND NEVER IN
AREAS OF CONCENTRATED FLOW.

A SILT FENCE DETAIL
NOT TO SCALE

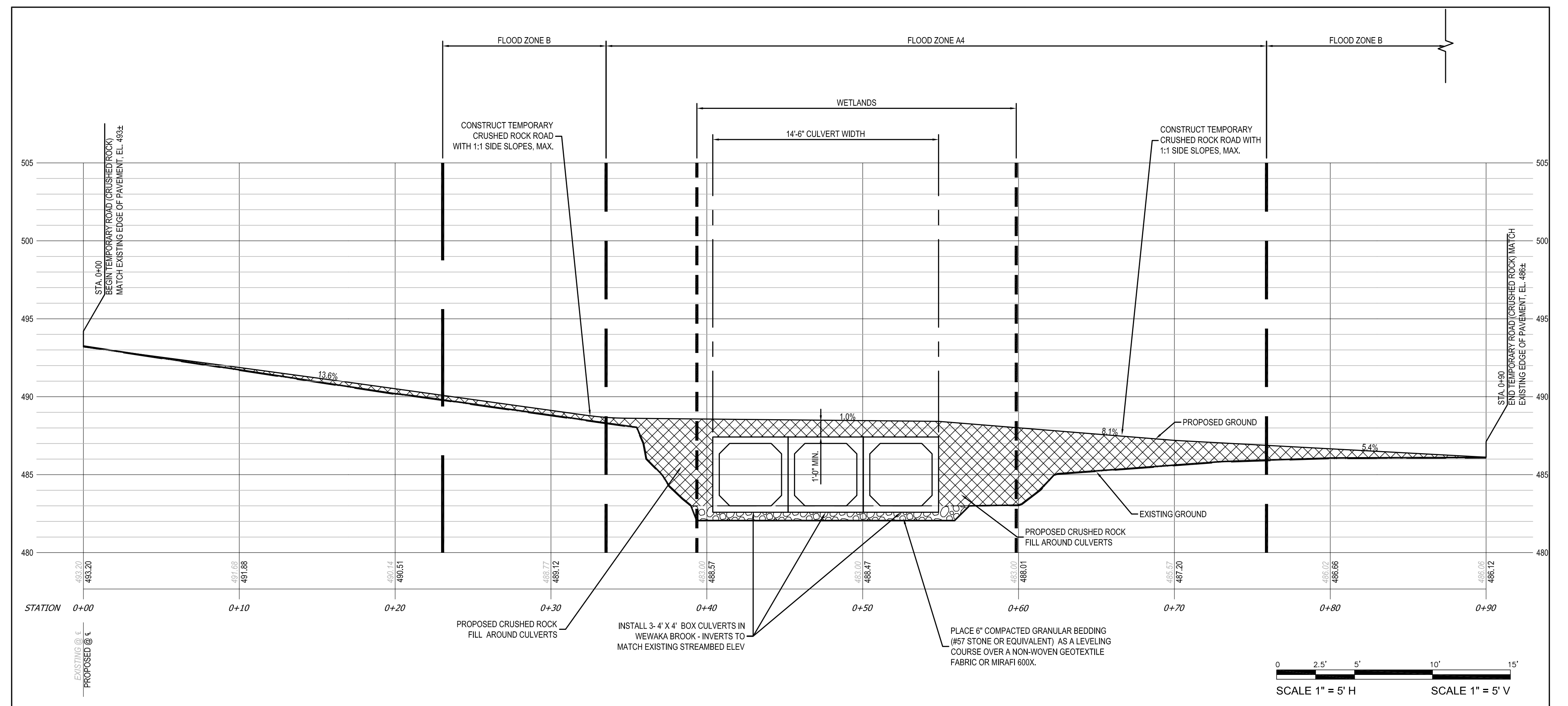
SYMBOL
SF

LEGEND

- EXISTING WETLAND BOUNDARY FLAG
- PROPOSED RIP RAP
- PROPOSED CRUSHED ROCK ROAD
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED SILT FENCE
- EXISTING FENCE
- PROPOSED FENCE



EXISTING CONDITIONS & TEMPORARY ACCESS SITE PLAN



TEMPORARY ACCESS ROAD PROFILE

- NOTES:**
- EXISTING WEIWAKA BROOK STREAM BED WAS NOT FIELD SURVEYED. EXISTING STREAMBED LOCATIONS IN THIS PLAN SET ARE APPROXIMATE ONLY.
 - GEOTECHNICAL BORING AND SOILS DATA IS NOT AVAILABLE FOR THE SITE.
 - AREA FOR GRANULAR BEDDING WILL BE CLEARED FOR ANY DELETERIOUS AND ORGANIC MATERIAL.
 - GEOTEXTILE FABRIC, MIRAFI 600X WILL BE PLACED BELOW THE CRUSHED ROCK.
 - CRUSHED ROCK FILL OVER CULVERTS SHOULD BE PLACED IN WELL COMPACTED LAYERS - NOT EXCEEDING 8-INCHES.

- DEWATERING NOTES:**
- CONTRACTOR TO PROVIDE FOR PUMP-DISCHARGE TO BYPASS THE SITE OF TEMPORARY CROSSING, AS APPLICABLE.
 - PUMP BYPASS TO BE LOCATED AT EXISTING ROCK WEIR LOCATED APPROXIMATELY 80-FT NORTH OF THE EXISTING BRIDGE.

- TEMPORARY CULVERT NOTES:**
- PLACE BOX CULVERTS INLETS & OUTLETS AT AN ELEVATION EQUAL TO EXISTING STREAMBED.
 - CULVERT SLOPES SHOULD FOLLOW THE GRADE OF THE EXISTING CHANNEL.
 - CONTRACTOR TO VERIFY THE EXISTING STREAMBED ELEVATION PRIOR TO BEGINNING CONSTRUCTION. STREAMBED ELEVATIONS WERE NOT SURVEYED AND ARE SHOWN HERE AS APPROXIMATE ELEVATIONS.
 - CONTRACTOR TO PROVIDE AND INSTALL PRECAST TEMPORARY BOX CULVERT, WING WALLS, AND CURB END UNITS. PRECAST UNITS CAN BE BY OLD CASTLE AS SHOWN ON THIS SHEET OR AN APPROVED EQUAL.
 - TEMPORARY BOX CULVERT(S) PROVIDE EQUIVALENT HYDRAULIC OPENING AS THE EXISTING BRIDGE.

6524 MERIDIAN DRIVE
RALEIGH, NC 27616
PHONE: 919-755-1012
FAX: 919-755-1031

FDH
ENGINEERING INNOVATION

Prepared by:
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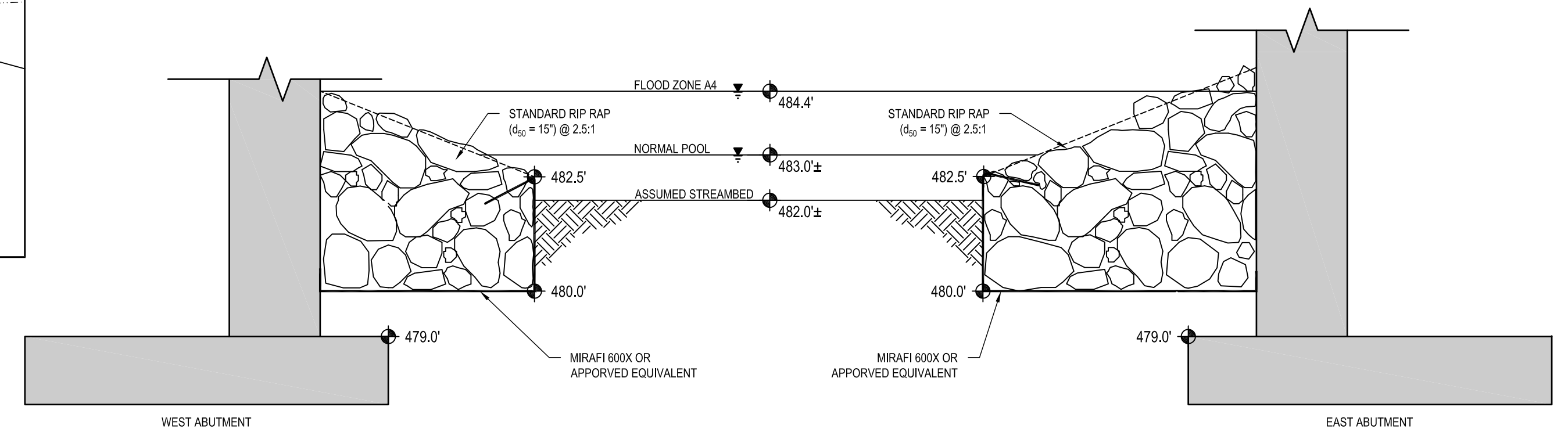
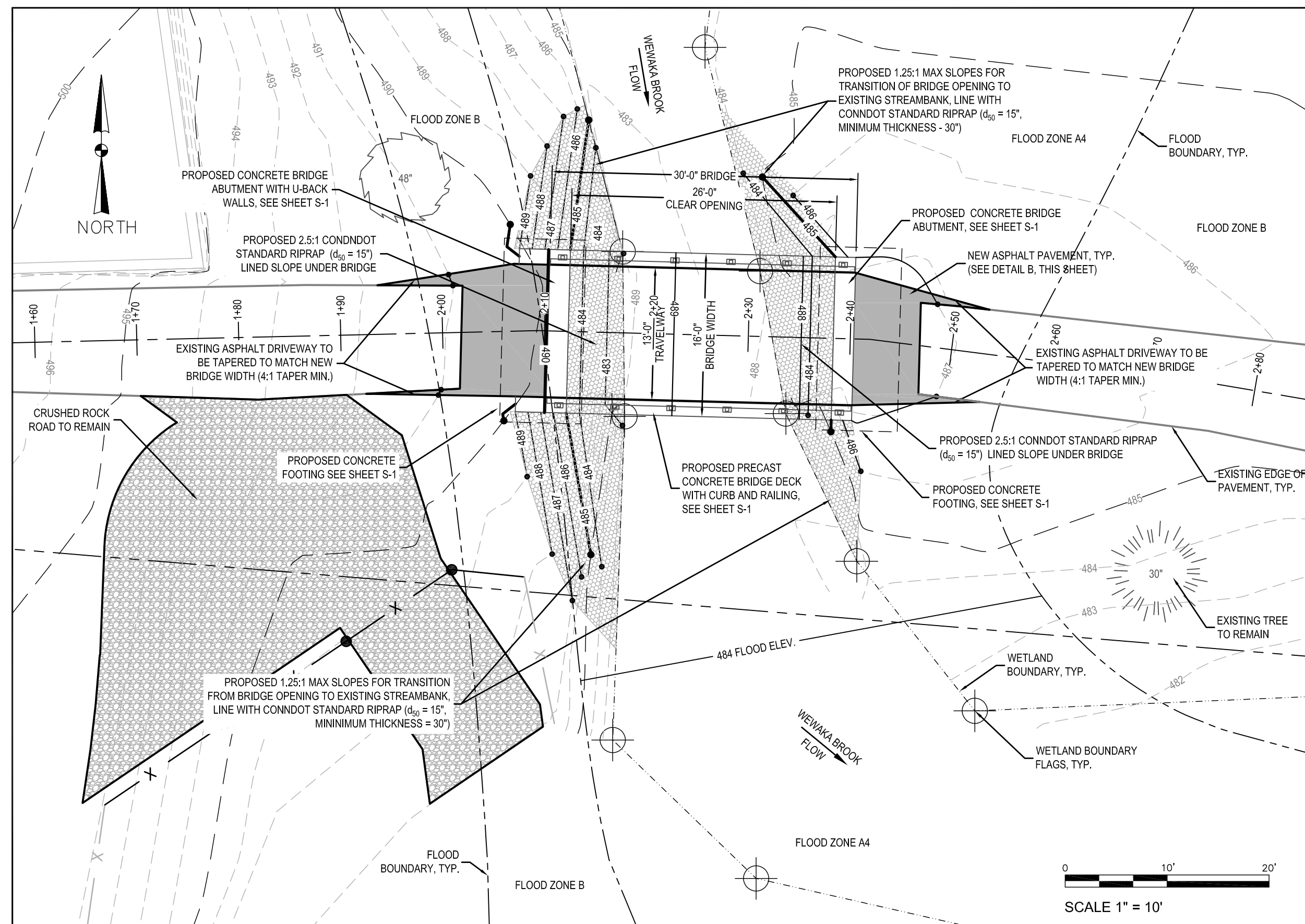
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CHECKED BY: SM
ENG. APPVD: DH

SUBMITTALS		
DATE	DESCRIPTION	REV
10/17/12	DESIGN/REV	A

BRIDGEWATER 4
PERMIT DRAWINGS
WEIWAKA BROOK ROAD
BRIDGEWATER, CT 06752

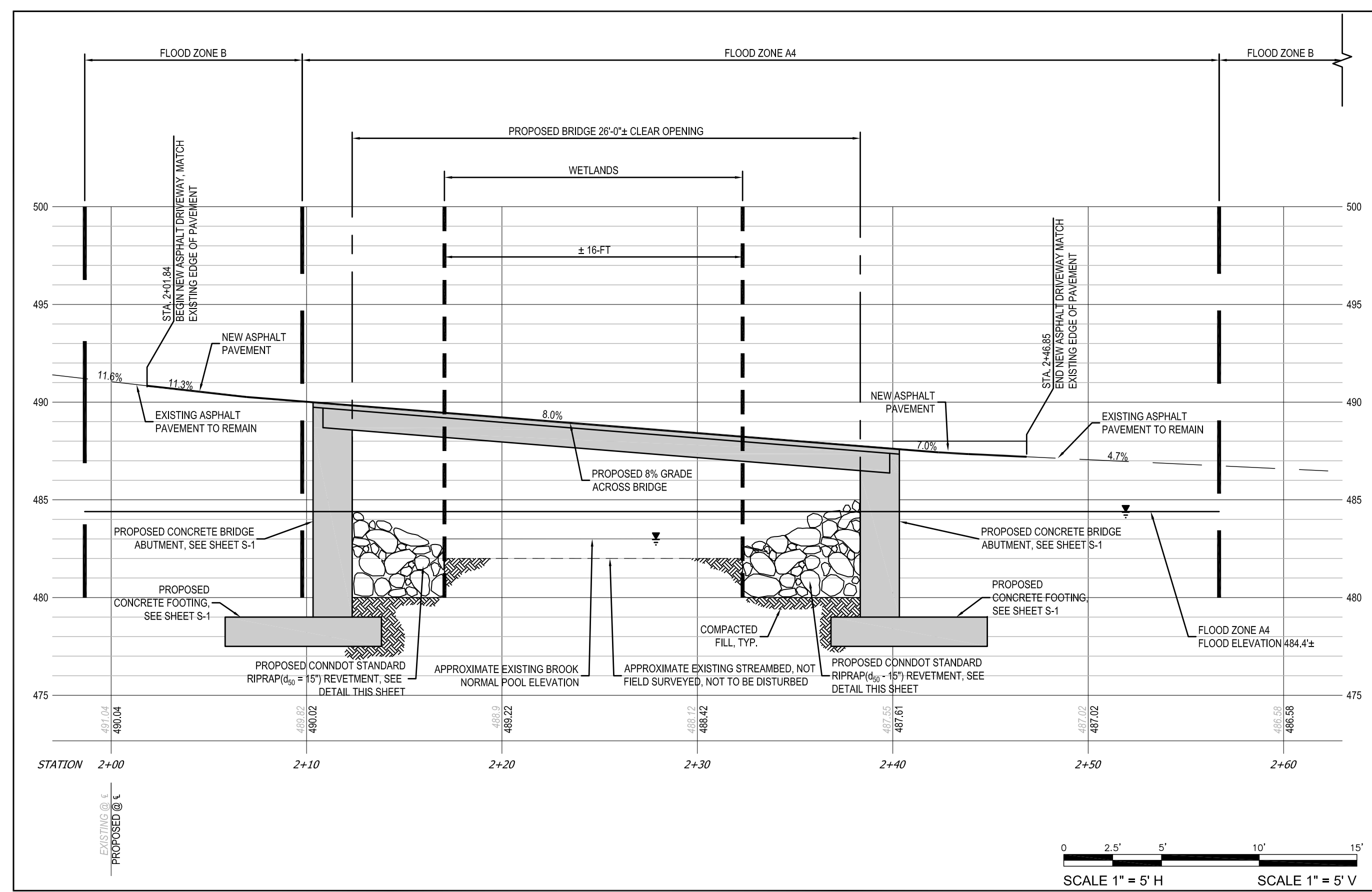
SHEET TITLE
TEMPORARY ACCESS

SHEET NUMBER
C-2

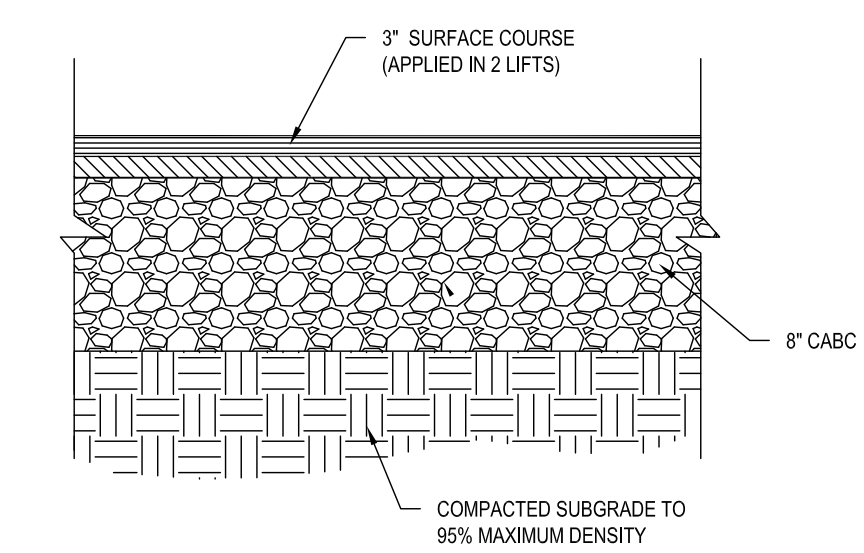


- NOTES:**
- AFTER REMOVAL OF TEMPORARY FILL AND BOX CULVERTS, CONTRACTOR TO BACKFILL THE CHANNEL BOTTOM TO ORIGINAL GRADE WITH NATIVE SOIL AND STREAMBED MATERIAL.
 - CONTRACTOR TO MAINTAIN EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
 - CONTRACTOR TO SEED ALL DENUDED AREAS UPON COMPLETION.

- EARTHWORK, COMPACTION, AND GRADING NOTES:**
- GRADING AND EROSION CONTROL MEASURES SHALL BE KEPT WITHIN THE LIMITS SHOWN. CONTRACTOR SHALL PROTECT EXISTING TREES AND VEGETATION OUTSIDE THE LINES OF GRADING.
 - CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION ACTIVITIES. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND ELEVATION OF UNDERGROUND UTILITIES BEFORE CONSTRUCTION AND IS RESPONSIBLE FOR ANY NECESSARY RELOCATIONS.
 - ALL SITE IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS.
 - AFTER STRIPPING AND STOCKPILING OF TOPSOIL, REMOVE FROM THE SITE ALL UNSUITABLE MATERIAL AS ENCOUNTERED IN THE FIELD.
 - PRIOR TO FILL PLACEMENT FOR PAVEMENT AREAS, CONTRACTOR SHALL REMOVE ALL UNSTABLE MATERIAL AND STABILIZE IN PLACE AND THEN COMPACT THE FILL TO 95% MAXIMUM DENSITY AND TO A MINIMUM DEPTH OF 12" AS DETERMINED BY ASTM D-1557. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE.
 - EXISTING PAVEMENT SHALL BE SAWCUT TO OBTAIN A STRAIGHT AND NEAT EDGE FOR PAVING.
 - STUMPS AND BRUSH MAY NOT BE BURIED ON SITE.
 - IF SHEETING OR SHORING IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS DESIGN, INSTALLATION AND REMOVAL AS PART OF CONTRACTOR'S ESTIMATE.
 - CONSTRUCTION WASTE SUCH AS ASPHALT AND CONCRETE SHALL BE TAKEN OFF-SITE.
 - CONTRACTOR SHALL COORDINATE WITH GEOTECHNICAL ENGINEER TO ASSESS EXCAVATED SOIL CONDITIONS PRIOR TO REPAIRING SUBGRADE.
 - TOTAL DISTURBED AREA = 0.09 ACRES.
 - TEMPORARY CROSSING FILL WILL BE COMPRISED OF CRUSHED ROCK MATERIAL WHICH SHALL BE FREE FROM CLAY, LOAM, ORGANIC MATERIAL, DEBRIS, FROZEN MATERIAL AND ANY MATERIAL THAT IS CLASSIFIED AS A TOXIC POLLUTANT BY EPA AS DESCRIBED IN CODE OF FEDERAL REGULATIONS 40 CFR 401.5.
 - STREAMBED HAS NOT BEEN SURVEYED.



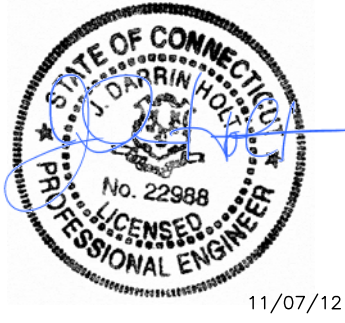
C RIP RAP REVETMENT
C-2 NOT TO SCALE



B HEAVY DUTY ASPHALT PAVING
C-2 NOT TO SCALE

- LEGEND**
- EXISTING WETLAND BOUNDARY FLAG
 - NEW ASPHALT CEMENT CONCRETE
 - PROPOSED RIP RAP
 - PROPOSED CRUSHED ROCK ROAD
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - EXISTING FENCE
 - PROPOSED FENCE

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