

PROJECT SUMMARY

SITE NAME:	BRIDGEWATER 4		
SITE ADDRESS:	42 & 89 WEWAKA BROOK RD BRIDGEWATER CT 06752		
JURISDICTION:	CT SITING COUNCIL		
COUNTY:	LITCHFIELD COUNTY		
ZONING:	RR4		
PROPERTY OWNER:	MARY ALLEN, EDWARD AND CYNTHIA BENNETT		
APPLICANT:	SBA TOWERS III LLC 5900 BROKEN SOUND PARKWAY BOCA RATON, FL 33487-2797 OFFICE: (561) 226-9523 FAX: (561) 226-3572		
HOLLIS REDDING	(203) 464-3623		
SITE COORDINATES:	2C		
LATITUDE:	N. 41° 30' 31.5"	(NAD 83)	
LONGITUDE:	W. 73° 21' 16.0"	(NAD 83)	
ELEVATION:	583'	(NAVD 88)	
OCCUPANCY:	UNMANNED		
CONSTRUCTION TYPE:	RAW LAND		

HANDICAPPED REQUIREMENTS
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.
HANDICAP ACCESS NOT REQUIRED.

PLUMBING REQUIREMENTS
FACILITY HAS NO PLUMBING.

CONSULTING TEAM

ARCHITECTURAL - ENGINEERING FIRM:
CHA
2139 SILAS DEANE HIGHWAY, SUITE 212, ROCKY HILL, CT 06067
CONTACT: PAUL LUSITANI
PHONE: (860) 257-4557 FAX: (860) 257-7514

SURVEYING FIRM:
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PHONE: (860) 257-4557 FAX: (860) 257-7514

TELEPHONE COMPANY:
AT&T
1441 NORTH COLONY ROAD, MERIDEN, CT
CONTACT: UNKNOWN
PHONE: (203) 420-3131

POWER COMPANY:
CL&P
107 SELDEN STREET, BERLIN, CT
CONTACT: UNKNOWN
PHONE: (860) 947-2000

ELECTRICAL ENGINEER:
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SBA 

**DEVELOPMENT & MANAGEMENT PLANS
CSC DOCKET NO. 412**

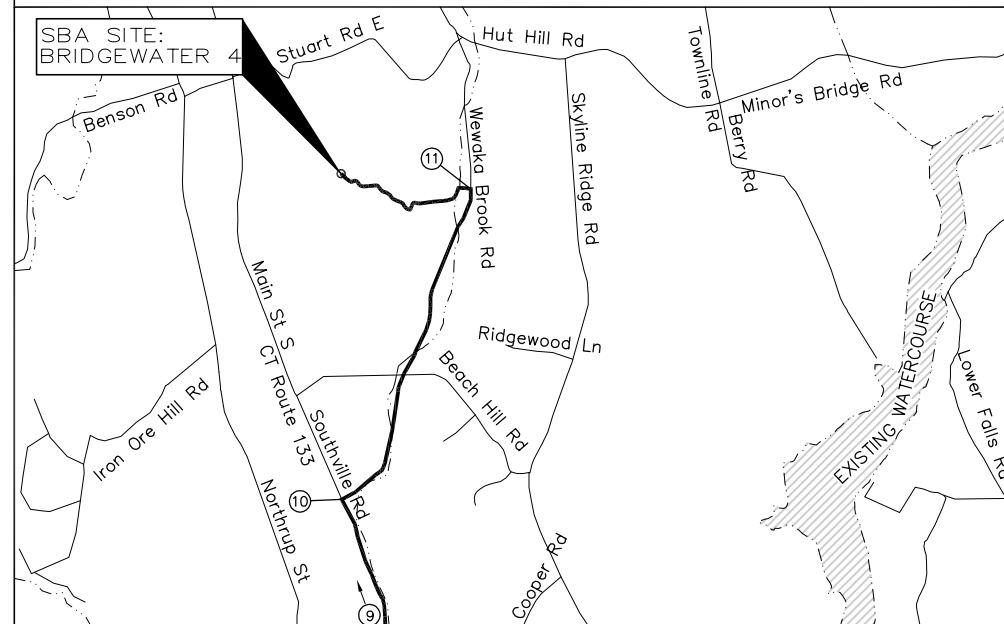
**SITE NAME
BRIDGEWATER 4**

**SITE I.D.
CT11934**

**E911 ADDRESS
42 & 89 WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752**

**PROJECT TYPE
170' MONOPOLE
TOWER HEIGHT NOT TO EXCEED 170'**

VICINITY MAP



DRIVING DIRECTIONS

- FROM HARTFORD:**
1. TAKE I-84W TOWARD WATERBURY
 2. TAKE EXIT 10 FOR US-6W TOWARD NEWTOWN/SANDY HOOK
 3. TURN RIGHT ONTO CT-34W/US-6W/CHURCH HILL ROAD
 4. TURN RIGHT ONTO THE BLVD
 5. TURN RIGHT TO STAY ON THE BLVD
 6. CONTINUE STRAIGHT ONTO HANOVER ROAD
 7. CONTINUE ONTO DINGLEBROOK LANE
 8. CONTINUE ONTO OBTUSE ROCKS ROAD
 9. TURN RIGHT ONTO CT-133N/OBTUSE HILL ROAD. CONTINUE TO FOLLOW CT-133N
 10. TURN RIGHT ONTO WEWAKA ROAD/WEWAKA BROOK ROAD
 11. TURN LEFT INTO DRIVEWAY AT 89 WEWAKA BROOK ROAD. CROSS OVER BRIDGE AND TURN LEFT AT EXISTING RESIDENCE TO FOLLOW ACCESS DRIVE TO TOWER.

SHEET SCALE FACTOR:

PLOT SIZE:
11"x17": "TO SCALE"
24"x36": 1/2 SCALE AS NOTED



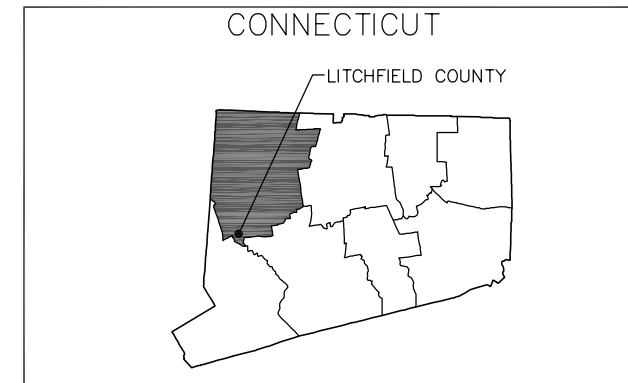
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APPROVALS

LANDLORD	DATE
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STATE COUNTY MAP



SBA 

SBA TOWERS III LLC
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TEL: (561) 226-9523
FAX: (561) 226-9368

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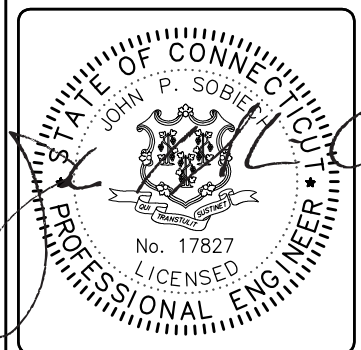
2139 Silas Deane Highway, Suite 212, Rocky Hill, CT 06067-2336
Main: (860) 257-4557 - www.chacompanies.com

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A&E PROJECT #:	15363-1054-43000
DRAWN BY:	JDM
CHECKED BY:	PAL

REVISIONS

NO.	DATE	DESCRIPTION
10/01/12		REVISED UTILITIES
06/22/12		ISSUED FOR CONSTRUCTION



PROJECT No.
15363-1054-43000

SITE NAME:
BRIDGEWATER

SITE NUMBER:
CT 11934

SITE ADDRESS:
WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752

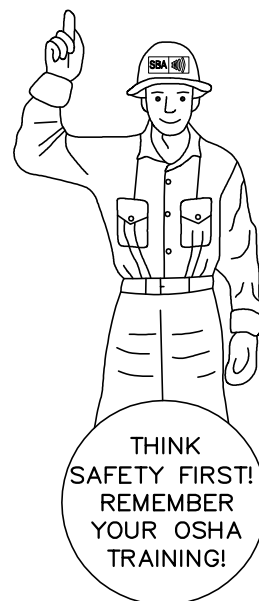
DESIGN TYPE:
RAW LAND

SHEET TITLE:
TITLE SHEET

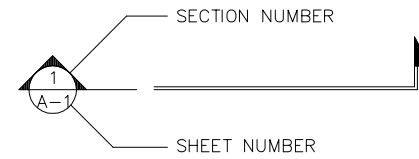
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ABBREVIATIONS

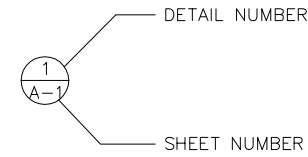
AB	ANCHOR BOLT	GR	GRADE	SIM	SIMILAR
AC	ASPHALTIC CONCRETE	GYP	GYPSUM	SPECS	SPECIFICATIONS
A/C	AIR CONDITIONING	GFCI	GROUND FAULT CIRCUIT	SS	STAINLESS STEEL
ADJ	ADJUSTABLE		INTERRUPT	STL	STEEL
A.F.F.	ABOVE FINISH FLOOR	GND	GROUND	STOR	STORAGE
ARCH	ARCHITECTURAL	HC	HOLLOW CORE	STRUCT	STRUCTURAL
APPROX	APPROXIMATELY	HDW	HARDWARE	SUSP	SUSPENDED
A.G.L.	ABOVE GRADE LEVEL	HTR	HEATER	SW	SWITCH
A.M.S.L.	ABOVE MEAN SEA LEVEL	HM	HOLLOW METAL	SWBO	SWITCHBOARD
BD	BOARD	HORIZ	HORIZONTAL	THK	THICK
BLDG	BUILDING	HR	HOUR	TI	TENANT IMPROVEMENT
BLKG	BLOCKING	HT	HEIGHT	TMA	TOWER MOUNTED AMPLIFIER
BOT	BOTTOM	HV	HIGH VOLTAGE	TOS	TOP OF SURFACE
BSMT	BASEMENT	ID	INSIDE DIMENSION	TS	TUBE STEEL
BTS	BASE TRANSCEIVER	INS	INSULATION	TYP	TYPICAL
	STATION	INT	INTERIOR	U	UNDERGROUND
C	COURSE(S)	JT	JOINT	UNO	UNLESS NOTED OTHERWISE
CEM	CEMENT	LAM	LAMINATED	VCT	VINYL COMPOSITION TILE
CL	CHAIN LINK	LBS	POUNDS	VERT	VERTICAL
CLG	CEILING	LT	LIGHT	V.I.F.	VERIFY IN FIELD
CLR	CLEAR	LA	LIGHTNING ARRESTOR	VG	VERTICAL GRAIN
COL	COLUMN	LNA	LOW NOISE AMPLIFIER	W/	WITH
CONC	CONCRETE	MFR	MANUFACTURER	WD	WOOD
CONST	CONSTRUCTION	MAT	MATERIAL	WR	WATER RESISTANT
CONT	CONTINUOUS	MAX	MAXIMUM	WT	WEIGHT
CORR	CORRIDOR	MECH	MECHANICAL	XFMR	TRANSFORMER
CO	CONDUIT ONLY	MIN	MINIMUM	ⓐ	AT
DIA	DIAMETER	MISC	MISCELLANEOUS	[CHANNEL
DBL	DOUBLE	ML	METAL LATH	Ⓢ	CENTERLINE
DEPT	DEPARTMENT	MO	MASONRY OPENING	∠	ANGLE
DEMO	DEMOLITION	MS	MACHINE SCREW	Ⓡ	PROPERTY LINE
DIM	DIMENSION	MTD	MOUNTED		
DN	DOWN	MTL	METAL		
DR	DOOR	(N)	NEW		
DTL	DETAIL	NIC	NOT IN CONTRACT		
DWG	DRAWING	NO	NUMBER		
(E)	EXISTING	NTS	NOT TO SCALE		
EA	EACH	O	OVERHEAD		
ELEC	ELECTRIC	OA	OVERALL		
ELEV	ELEVATION	O.C.	ON CENTER		
EQUIP	EQUIPMENT	OPNG	OPENING		
EXP	EXPANSION	OPP	OPPOSITE		
EXT	EXTERIOR	PARTN	PARTITION		
FA	FIRE ALARM	PL	PLATE		
FB	FLAT BAR	PLAS	PLASTER		
FF	FINISH FLOOR	PLYWD	PLYWOOD		
FH	FLAT HEAD	POC	POINT OF CONNECTION		
FIN	FINISH(ED)	PROP	PROPERTY		
FLR	FLOOR	PT	PRESSURE TREATED		
FOS	FACE OF STUDS	R	RISER		
FS	FINISH SURFACE	REQD	REQUIRED		
FT	FOOT, FEET	RD	ROOF DRAIN		
FTG	FOOTING	RM	ROOM		
FW	FINISH WALL	RMS	ROOMS		
F.G.	FINISH GRADE	RO	ROUGH OPENING		
FUT	FUTURE	SC	SOLID CORE		
GA	GAUGE	SCHED	SCHEDULE		
GALV	GALVANIZED	SECT	SECTION		
GL	GLASS	SHT	SHEET		



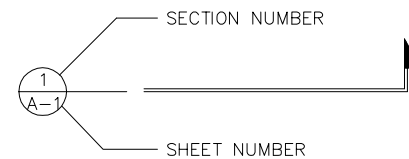
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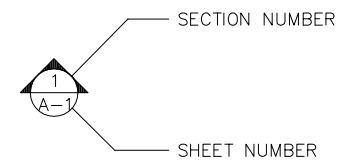
BUILDING SECTION REFERENCE



DETAIL REFERENCE



DETAIL SECTION REFERENCE



ELEVATION VIEW REFERENCE

- ◆ KEY NOTE REFERENCE
- 101 DOOR NUMBER
- 101 AREA AND/OR ROOM NUMBER
- ⓐ MECHANICAL UNIT
- UTILITY POLE
- WORK POINT
- Ⓢ REVISION OR CONTROL POINT
- Ⓡ (REFERENCE POINT) ELEVATION REFERENCE

	MASONRY
	BRICK
	CONCRETE
	EARTH
	STEEL
	GRAVEL
---	CENTER LINE
---	PROPERTY LINE
---	LEASE LINE
---	EASEMENT LINE
---	RIGHT-OF-WAY
-X-X-	CHAIN LINK FENCE
-□-□-	WOOD FENCE
-SF-	SILT FENCE
-UE-	BELOW GRADE ELECTRIC
-UT-	BELOW GRADE TELEPHONE
-OE/OT-	OVERHEAD ELECTRIC/TELEPHONE
-OT-	OVERHEAD TELEPHONE
-OE-	OVERHEAD ELECTRIC
-276-	CONTOUR
-○-○-	TREE PROTECTION FENCE
	TREE LINE
	TREES, SHRUBS, BUSHES
-SAN-	SANITARY SEWER LINE
-WL-	WATER LINE
-NG-	NATURAL GAS LINE



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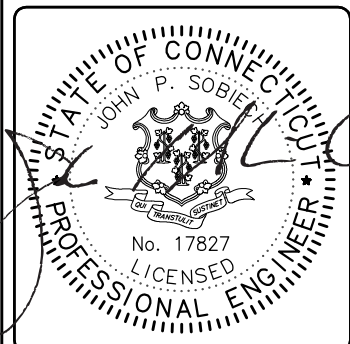


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DESIGN TYPE:	RAW LAND

SHEET TITLE:	ABBREVIATIONS & SYMBOLS LEGEND
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DRAWING NO.	T-2	REVISION:	A
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GENERAL NOTES

- ALL REFERENCES TO OWNER HEREIN SHALL BE CONSTRUED TO MEAN SBA OR IT'S DESIGNATED REPRESENTATIVE.
- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED 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 LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE AND/OR COUNTY IN WHICH IT IS TO BE PERFORMED.
- UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
- ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE TESTING AGENCY PRIOR TO BEGINNING 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. 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.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCAL BUILDING CODE.
- ALL PROPOSED CELLULAR EQUIPMENT AND FIXTURES SHALL BE FURNISHED BY OWNER FOR INSTALLATION BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
- 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.
- RADIO EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

STRUCTURAL NOTES

- DESIGN REQUIREMENTS PER LOCAL BUILDING CODE AND THE EIA/TIA-222-F STRUCTURAL STANDARDS FOR STEEL ANTENNAS TOWERS AND SUPPORTING STRUCTURES.
- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF A.I.S.C. SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN INCLUDING THE COMMENTARY AND THE A.I.S.C. CODE OF STANDARD PRACTICE.
- STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36. ALL STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE 8. ALL STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500 GRADE 8. ALL STRUCTURAL STEEL COMPONENTS AND FABRICATED ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
- WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) D.1.1-96. STRUCTURAL WELDING CODE-STEEL WELD ELECTRODES SHALL BE E70XX.
- ALL COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE AS SPECIFIED BY THE OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL FURNISH ALL CONNECTION HARDWARE REQUIRED TO SECURE THE CABLES. CONNECTION HARDWARE SHALL BE STAINLESS STEEL.
- NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY NORTH AND INFORM OWNER OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.
- ALL CAST IN PLACE CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND ACI 301, AND SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI (U.O.N.). CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL UNLESS OTHERWISE NOTED. MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM 615 GRADE 80, DEFORMED BILLET STEEL BARS. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A185.
- THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST A.I.S.C. SPECIFICATIONS.
- ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
- HOT-DIP GALVANIZE ITEMS SPECIFIED TO BE ZINC-COATED. AFTER FABRICATION WHERE PRACTICAL. GALVANIZING: ASTM A 123, ASTM A 153/A 153M OR ASTM A 653/A 653M, G90, AS APPLICABLE.
- REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT CONFORMING TO ASTM A 780 OR BY APPLICATION OF STICK OR THICK PASTE MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED, AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS. IN STICK OR PASTE, SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
- CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS/ SPECIFICATIONS IF NO INFORMATION IS CONTAINED IN THESE PLANS OR IF THE MANUFACTURER'S SPECIFICATIONS ARE STRICTER.

PERMITS

- CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. (NOT SUPPLIED BY OWNER)
- ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS. (NOT SUPPLIED BY OWNER)
- ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND THE LATEST APPLICABLE CODES AND STANDARDS.
- THE CONTRACTOR SHALL NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY, OR CITY) ENGINEER 24 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- CONTRACTOR RESPONSIBLE FOR CLOSING AND FILING ALL PERMITS ASSOCIATED WITH SITE.

UTILITIES


- CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. LOCATION OF EXISTING SEWER, WATER LINES, 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 ASSUMES SOLE RESPONSIBILITY FOR VERIFYING LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES (INCLUDING TEST PITS BY HAND IF NECESSARY) IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS, OR IF THERE APPEARS TO BE A CONFLICT.
- CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH APPROPRIATE UTILITY OWNERS AND CONSTRUCTION MANAGER.
- DAMAGE BY THE CONTRACTOR TO UTILITIES OR PROPERTY OF OTHERS, INCLUDING EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRE CONSTRUCTION CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT. FOR GRASSED AREAS, SEED AND MULCH SHALL BE ACCEPTABLE..
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REQUIREMENTS FOR AND LIMITS OF OVERHEAD AND/OR UNDERGROUND ELECTRICAL SERVICE.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF NEW UNDERGROUND TELEPHONE SERVICE WITH THE TELEPHONE UTILITY AND THE OWNER'S REQUIREMENTS.
- ALL UNDERGROUND UTILITIES SHALL BE INSTALLED AND TESTED SATISFACTORY PRIOR TO COMMENCING ANY PAVING OPERATIONS WHERE SUCH UTILITIES ARE WITHIN THE LIMITS OF PAVEMENT.

GRADING

- THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC...) ALL MATERIAL NOT SUITABLE FOR SUB GRADE IN ITS PRESENT STATE. IF THE MATERIAL, AFTER REWORKING, REMAINS UNSUITABLE THEN THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL AT HIS EXPENSE. ALL SUB GRADES SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIAL SHALL BE REWORKED OR REPLACED.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTABLE BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.
- ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.
- ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE OWNER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED. THE CONTRACTOR SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.


SBA CONSTRUCTION REQUIREMENTS

- AWARDED CONTRACTOR WILL BE REQUIRED TO SIGN AND RETURN A COPY OF AN AWARD LETTER FOR SBA'S FILE.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE PROOF OF LICENSE TO PERFORM WORK IN JURISDICTION AT TIME OF BID AWARD.
- CONTRACTOR WILL PROVIDE A CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION STARTING AND WILL PROVIDE UPDATE/CHANGES (WITH EXPLANATIONS) TO THAT SCHEDULE WHEN/IF ITEMS ARE DELAYED OR PUSHED OUT.
- CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONCRETE COMPRESSIVE TESTING AND REQUIRED TO SUBMIT FINAL TEST RESULTS WITH CLOSE OUT BOOK.
- CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE SBA PROJECT MANAGERS WITH PHOTOS OF THE MAJOR CONSTRUCTION MILESTONES AS THEY OCCUR.
- CONTRACTOR WILL BE RESPONSIBLE TO ASSIST IN COORDINATING AND OBTAINING PRIMARY POWER TO THE SITE PRIOR TO TOWER ERECTION, AS WELL AS TELCO SERVICE BEFORE PROJECT COMPLETION. (ON SITE VISITS WITH UTILITY COMPANY REPRESENTATIVES AS NECESSARY, ETC....).
- CONTRACTOR WILL HAVE A REPRESENTATIVE ON A WEEKLY CONFERENCE CALL TO PROVIDE SBA WITH SITE SPECIFIC UPDATES. CURRENTLY, THIS CONFERENCE CALL IS HELD EACH AND EVERY THURSDAY AT 4 PM (EASTERN TIME).
- CONTRACTOR SHOULD BE PREPARED FOR RANDOM SBA SAFETY INSPECTIONS AT ALL TIMES.
- CONTRACTOR IS EXPECTED TO MAINTAIN PROPER WORKING CONDITIONS AND PROCEDURES PER OSHA STANDARDS AT ALL TIMES.
- CONTRACTOR WILL BE REQUIRED TO OBTAIN THE NECESSARY ELECTRICAL PERMITS AND INSPECTIONS AS REQUIRED BY JURISDICTION.
- CONTRACTOR IS EXPECTED TO CLOSE-OUT THE JOB SITE AS QUICKLY AS POSSIBLE (OBTAINING A CERTIFICATE OF OCCUPANCY AND GETTING SBA'S REGIONAL SITE MANAGER'S SIGN-OFF/CHECKLIST APPROVAL ON THE SITE).
- CONTRACTOR WILL PROVIDE A COMPLETED TOWER HEIGHT VERIFICATION FORM AND TAPE DROP WITHIN 24 HOURS OF REACHING OVERALL HEIGHT.
- CONTRACTOR WILL UTILIZE ALL OF THE SBA PROVIDED DOCUMENTATION INCLUDING BUT NOT LIMITED TO: TOWER CONSTRUCTION ACCEPTANCE CHECKLIST, CONSTRUCTION SCHEDULE, CONSTRUCTION CLOSE-OUT LIST & TOWER HEIGHT VERIFICATION.
- CONTRACTOR IS RESPONSIBLE FOR CONCRETE COMPRESSION TESTING.
- CONTRACTOR IS RESPONSIBLE FOR GROUND MEG TESTING.



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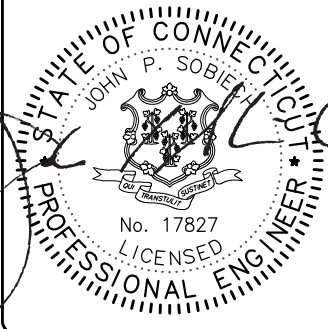


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DRAWN BY:	JDM
CHECKED BY:	PAL

REVISIONS		
NO.	DATE	DESCRIPTION



PROJECT No.
15363-1054-43000

SITE NAME:
BRIDGEWATER

SITE NUMBER:
CT 11934

SITE ADDRESS:
WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752

DESIGN TYPE:
RAW LAND

SHEET TITLE:
GENERAL NOTES

DRAWING NO. GN-1	REVISION: A
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ENVIRONMENTAL NOTES

VERNAL POOL 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 RECOMMENDATIONS 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) 984-9515 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 OF THE WIRELESS TELECOMMUNICATIONS FACILITY 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 FOUR-FOOT OAK STAKES OR APPROVED EQUIVALENT. IN ADDITION TO REQUIRED DAILY INSPECTION BY THE CONTRACTOR, THE FENCING WILL BE INSPECTED FOR TEARS OR BREECHES 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 PLUNGE 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.



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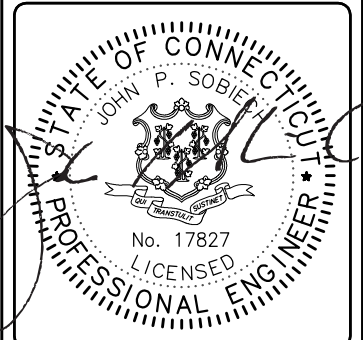


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SITE NAME:	BRIDGEWATER
SITE NUMBER:	CT 11934
SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

SHEET TITLE:
ENVIRONMENTAL NOTES

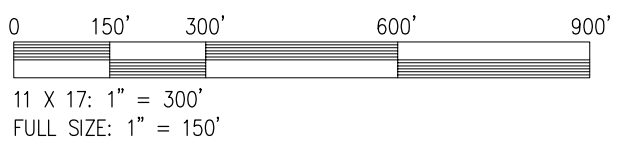
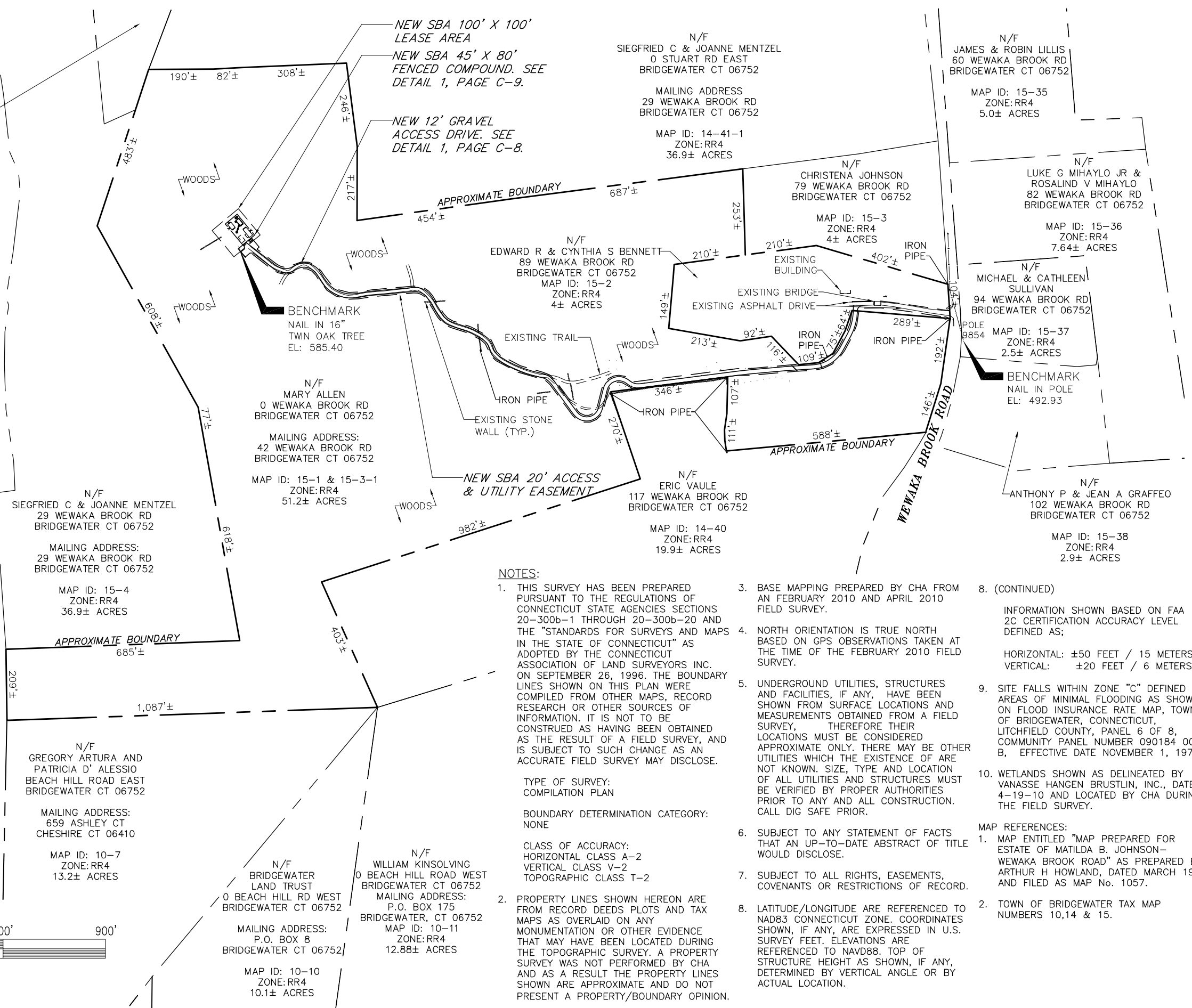
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N/F
 YEANTINOGE HERITAGE LAND TRUST
 0 STUART RD EAST
 BRIDGEWATER CT 06752

MAILING ADDRESS:
 PO BOX 242
 NEW MILFORD CT 06776

MAP ID: 14-47
 ZONE:RR4
 4± ACRES



NOTES:

- 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.
- 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.
- BASE MAPPING PREPARED BY CHA FROM AN FEBRUARY 2010 AND APRIL 2010 FIELD SURVEY.
- NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FEBRUARY 2010 FIELD SURVEY.
- 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.
- SUBJECT TO ANY STATEMENT OF FACTS THAT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.
- SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- LATITUDE/LONGITUDE ARE REFERENCED TO NAD83 CONNECTICUT ZONE. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD88. TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION.
- (CONTINUED)
- INFORMATION SHOWN BASED ON FAA 2C CERTIFICATION ACCURACY LEVEL DEFINED AS:
 HORIZONTAL: ±50 FEET / 15 METERS
 VERTICAL: ±20 FEET / 6 METERS
- SITE FALLS WITHIN ZONE "C" DEFINED AS AREAS OF MINIMAL FLOODING AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF BRIDGEWATER, CONNECTICUT, LITCHFIELD COUNTY, PANEL 6 OF 8, COMMUNITY PANEL NUMBER 090184 0006 B, EFFECTIVE DATE NOVEMBER 1, 1979.
- WETLANDS SHOWN AS DELINEATED BY VANASSE HANGEN BRUSTLIN, INC., DATED 4-19-10 AND LOCATED BY CHA DURING THE FIELD SURVEY.

TYPE OF SURVEY:
 COMPILATION PLAN

BOUNDARY DETERMINATION CATEGORY:
 NONE

CLASS OF ACCURACY:
 HORIZONTAL CLASS A-2
 VERTICAL CLASS V-2
 TOPOGRAPHIC CLASS T-2



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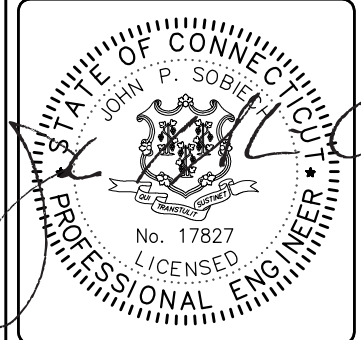


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PROJECT No.
 15363-1054-43000

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 BRIDGEWATER

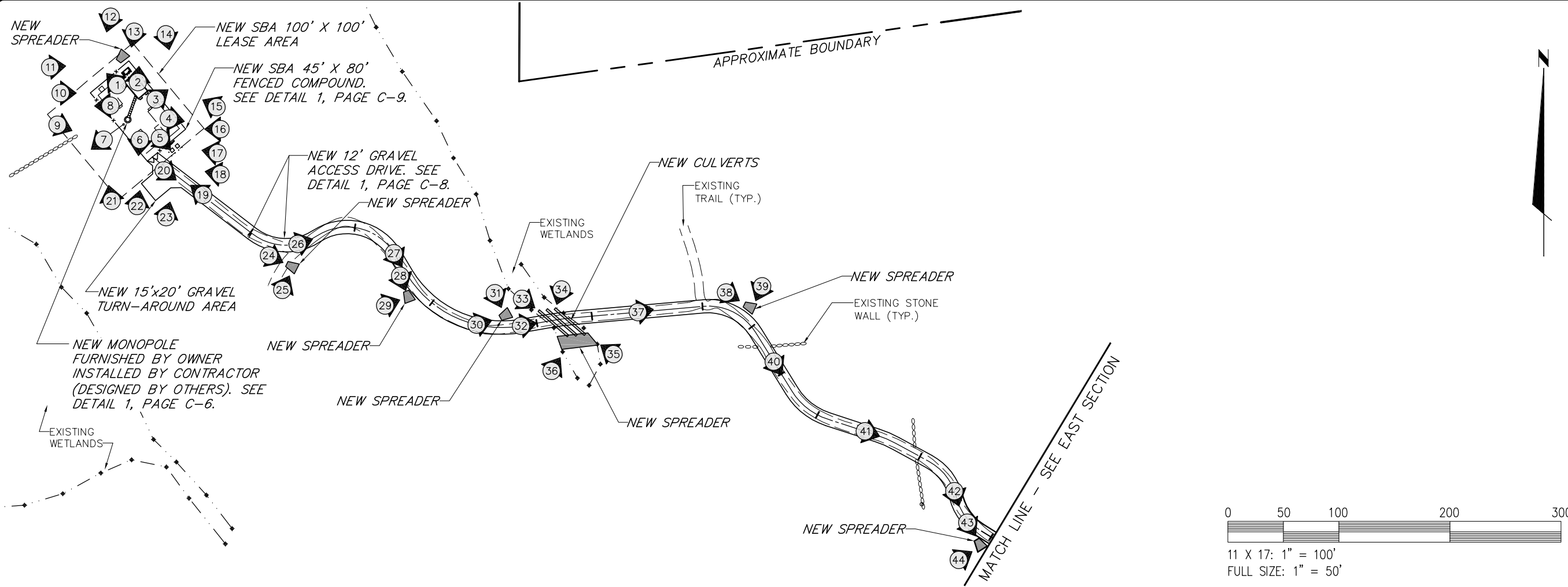
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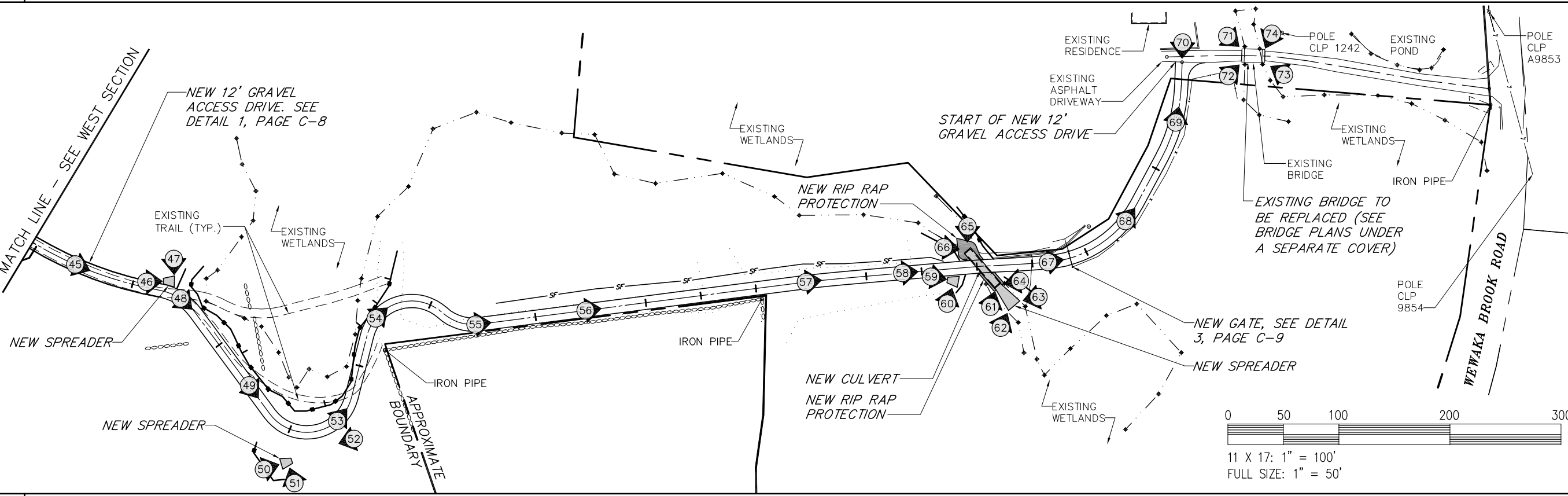
DESIGN TYPE:
 RAW LAND

SHEET TITLE:
 SITE PLAN

DRAWING NO. C-1	REVISION: A
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1 PHOTO PLAN - WEST SECTION



2 PHOTO PLAN - EAST SECTION



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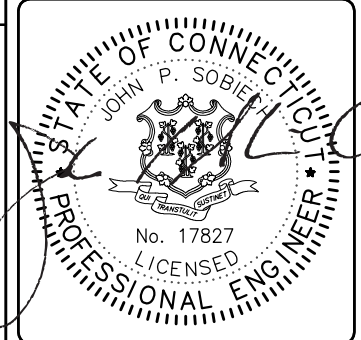


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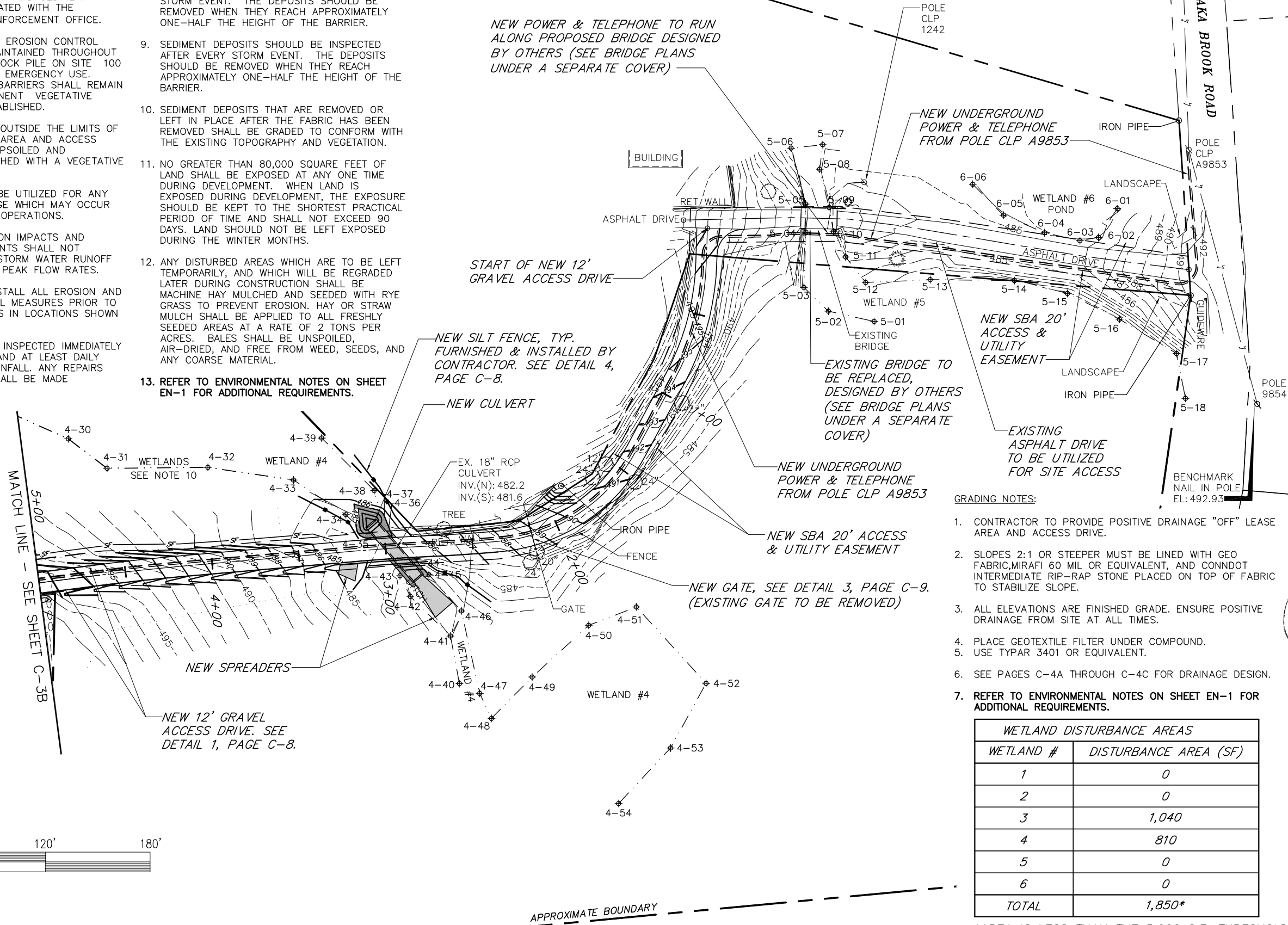
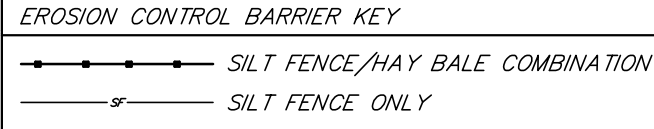
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DESIGN TYPE:	RAW LAND

SHEET TITLE:
PHOTO PLAN

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C-2	A

EROSION CONTROL NOTES:

- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH STATE OF CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH THE TOWN/COUNTY CODE ENFORCEMENT OFFICE.
- TEMPORARY SILT FENCE EROSION CONTROL BARRIER SHALL BE MAINTAINED THROUGHOUT SITE CONSTRUCTION. STOCK PILE ON SITE 100 FT. OF SILT FENCE FOR EMERGENCY USE. TEMPORARY EROSION BARRIERS SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATIVE GROUND COVER IS ESTABLISHED.
- ALL DISTURBED AREAS OUTSIDE THE LIMITS OF THE EQUIPMENT LEASE AREA AND ACCESS ROADWAY SHALL BE TOPSOILED AND PERMANENTLY ESTABLISHED WITH A VEGETATIVE GROUND COVER.
- STILLING BASIN SHALL BE UTILIZED FOR ANY DE-WATERING DISCHARGE WHICH MAY OCCUR DURING CONSTRUCTION OPERATIONS.
- PROPOSED CONSTRUCTION IMPACTS AND PERMANENT IMPROVEMENTS SHALL NOT SIGNIFICANTLY IMPACT STORM WATER RUNOFF PATTERNS, VOLUME OR PEAK FLOW RATES.
- CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO ANY GRADING ACTIVITIES IN LOCATIONS SHOWN ON THIS PLAN.
- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATION.
- NO GREATER THAN 80,000 SQUARE FEET OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME AND SHALL NOT EXCEED 90 DAYS. LAND SHOULD NOT BE LEFT EXPOSED DURING THE WINTER MONTHS.
- ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY, AND WHICH WILL BE REGRADED LATER DURING CONSTRUCTION SHALL BE MACHINE HAY MULCHED AND SEEDED WITH RYE GRASS TO PREVENT EROSION. HAY OR STRAW MULCH SHALL BE APPLIED TO ALL FRESHLY SEEDED AREAS AT A RATE OF 2 TONS PER ACRES. BALES SHALL BE UNSPOILED, AIR-DRIED, AND FREE FROM WEED, SEEDS, AND ANY COARSE MATERIAL.
- REFER TO ENVIRONMENTAL NOTES ON SHEET EN-1 FOR ADDITIONAL REQUIREMENTS.



GRADING NOTES:

- CONTRACTOR TO PROVIDE POSITIVE DRAINAGE "OFF" LEASE AREA AND ACCESS DRIVE.
- SLOPES 2:1 OR STEEPER MUST BE LINED WITH GEO FABRIC, MIRAFI 60 MIL OR EQUIVALENT, AND CONDOT INTERMEDIATE RIP-RAP STONE PLACED ON TOP OF FABRIC TO STABILIZE SLOPE.
- ALL ELEVATIONS ARE FINISHED GRADE. ENSURE POSITIVE DRAINAGE FROM SITE AT ALL TIMES.
- PLACE GEOTEXTILE FILTER UNDER COMPOUND.
- USE TYPAR 3401 OR EQUIVALENT.
- SEE PAGES C-4A THROUGH C-4C FOR DRAINAGE DESIGN.
- REFER TO ENVIRONMENTAL NOTES ON SHEET EN-1 FOR ADDITIONAL REQUIREMENTS.

WETLAND DISTURBANCE AREAS	
WETLAND #	DISTURBANCE AREA (SF)
1	0
2	0
3	1,040
4	810
5	0
6	0
TOTAL	1,850*

*AREA IS LESS THAN THE 5,000 S.F. THRESHOLD



11 X 17: 1" = 60'
FULL SIZE: 1" = 30'



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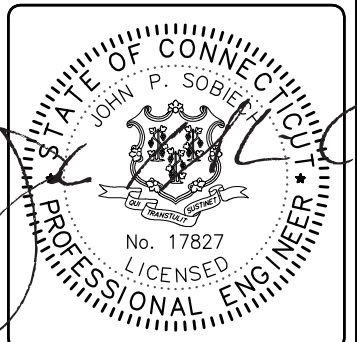


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DESIGN TYPE:
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SHEET TITLE:
SITE GRADING PLAN
1 OF 3

DRAWING NO. **C-3A** REVISION: **A**



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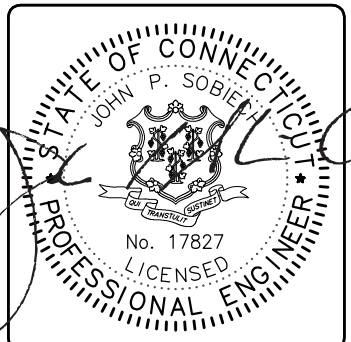


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06/22/12		ISSUED FOR CONSTRUCTION



PROJECT No.
15363-1054-43000

SITE NAME:
BRIDGEWATER

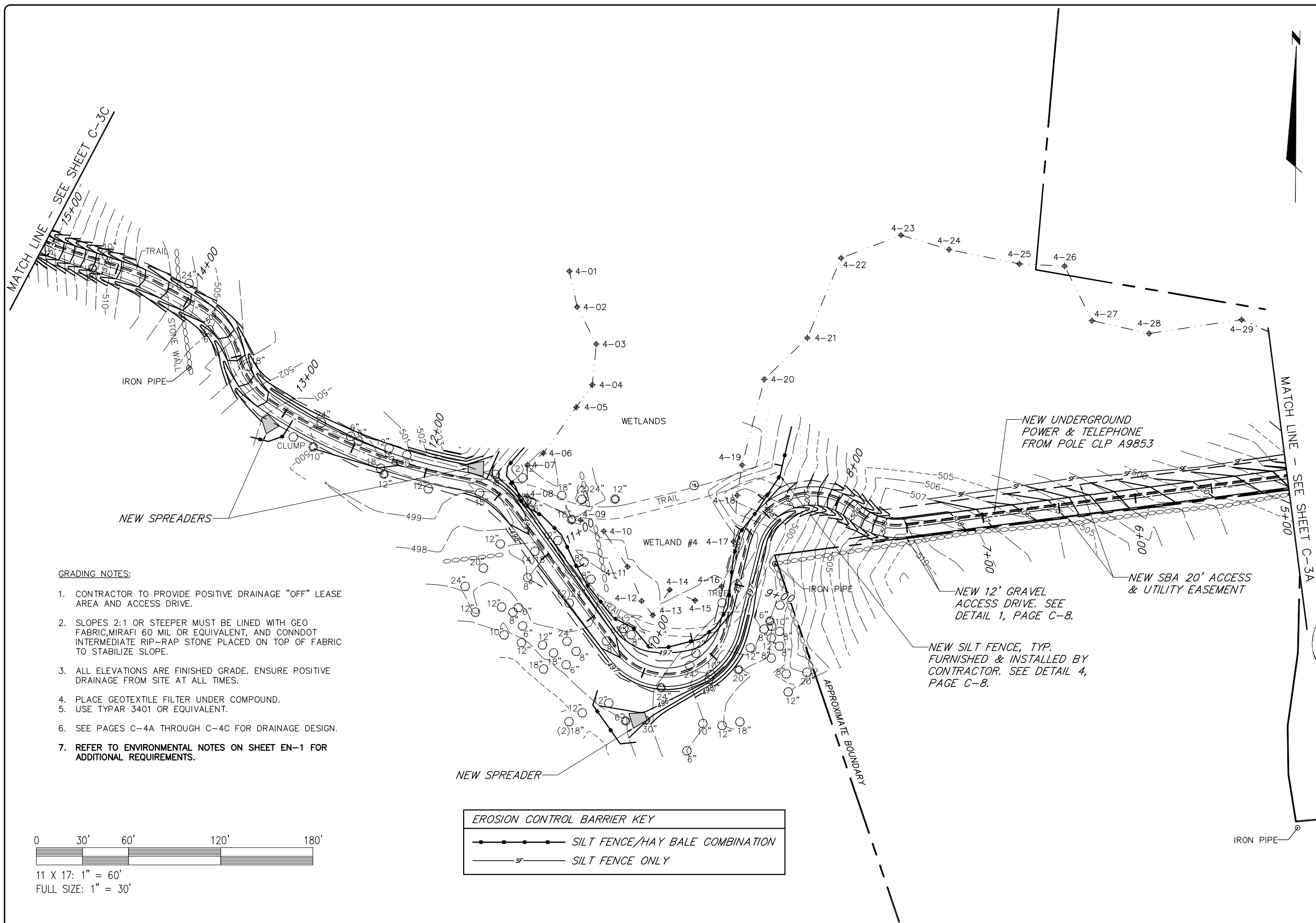
SITE NUMBER:
CT 11934

SITE ADDRESS:
WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752

DESIGN TYPE:
RAW LAND

SHEET TITLE:
SITE GRADING PLAN
2 OF 3

DRAWING NO.	REVISION:
C-3B	A



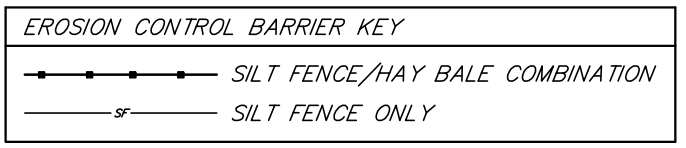
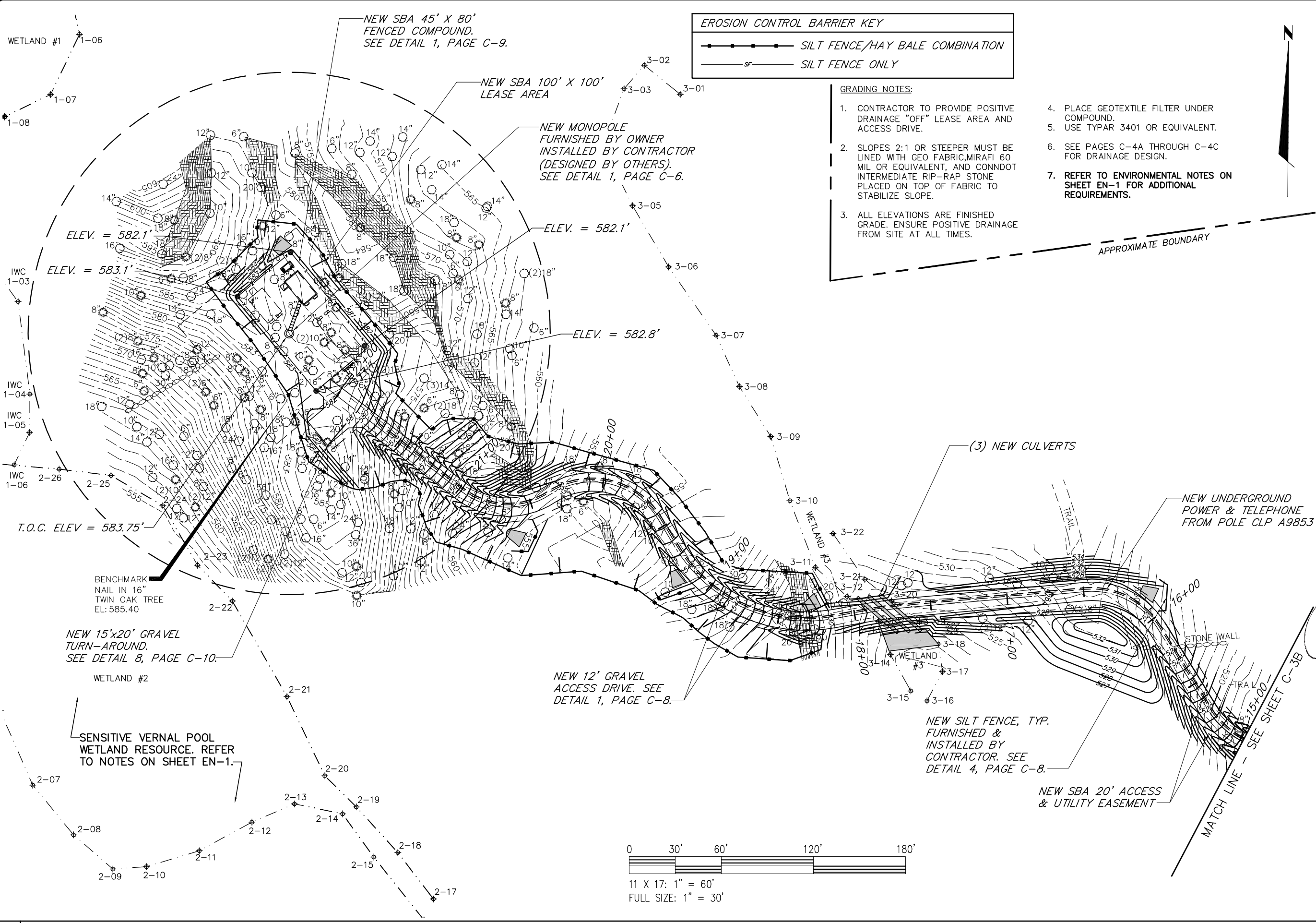
GRADING NOTES:

- CONTRACTOR TO PROVIDE POSITIVE DRAINAGE "OFF" LEASE AREA AND ACCESS DRIVE.
- SLOPES 2:1 OR STEEPER MUST BE LINED WITH GEO FABRIC, MIRAFI 60 MIL OR EQUIVALENT, AND CONNDOT INTERMEDIATE RIP-RAP STONE PLACED ON TOP OF FABRIC TO STABILIZE SLOPE.
- ALL ELEVATIONS ARE FINISHED GRADE. ENSURE POSITIVE DRAINAGE FROM SITE AT ALL TIMES.
- PLACE GEOTEXTILE FILTER UNDER COMPOUND.
- USE TYPAR 3401 OR EQUIVALENT.
- SEE PAGES C-4A THROUGH C-4C FOR DRAINAGE DESIGN.
- REFER TO ENVIRONMENTAL NOTES ON SHEET EN-1 FOR ADDITIONAL REQUIREMENTS.

EROSION CONTROL BARRIER KEY	
	SILT FENCE/HAY BALE COMBINATION
	SILT FENCE ONLY



11 X 17: 1" = 60'
FULL SIZE: 1" = 30'



- GRADING NOTES:**
- CONTRACTOR TO PROVIDE POSITIVE DRAINAGE "OFF" LEASE AREA AND ACCESS DRIVE.
 - SLOPES 2:1 OR STEEPER MUST BE LINED WITH GEO FABRIC, MIRAFI 60 MIL OR EQUIVALENT, AND CONDOT INTERMEDIATE RIP-RAP STONE PLACED ON TOP OF FABRIC TO STABILIZE SLOPE.
 - ALL ELEVATIONS ARE FINISHED GRADE. ENSURE POSITIVE DRAINAGE FROM SITE AT ALL TIMES.
 - PLACE GEOTEXTILE FILTER UNDER COMPOUND.
 - USE TYPAR 3401 OR EQUIVALENT.
 - SEE PAGES C-4A THROUGH C-4C FOR DRAINAGE DESIGN.
 - REFER TO ENVIRONMENTAL NOTES ON SHEET EN-1 FOR ADDITIONAL REQUIREMENTS.

SBA

SBA TOWERS III LLC
5900 BROKEN SOUND
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BOCA RATON, FL 33487-2797
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FAX: (561) 226-9368

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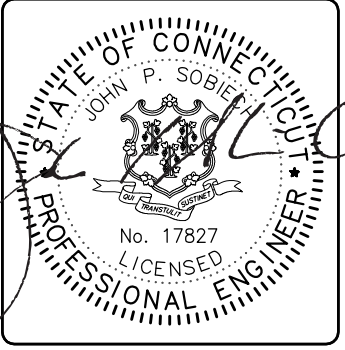
CIA

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A&E PROJECT #:	15363-1054-43000
DRAWN BY:	JDM
CHECKED BY:	PAL

REVISIONS		
NO.	DATE	DESCRIPTION
10/01/12		REVISED UTILITIES
06/22/12		ISSUED FOR CONSTRUCTION



PROJECT No.
15363-1054-43000

SITE NAME:
BRIDGEWATER

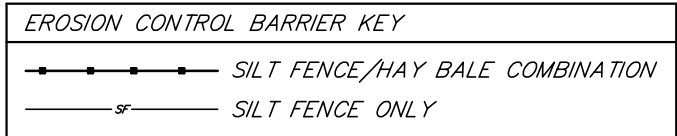
SITE NUMBER:
CT 11934

SITE ADDRESS:
WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752

DESIGN TYPE:
RAW LAND

SHEET TITLE:
SITE GRADING PLAN
3 OF 3

DRAWING NO. **C-3C** REVISION: **A**



NOTE:
CONTRACTOR REQUIRED TO PROVIDE POSITIVE DRAINAGE "OFF" LEASE AREA AND ACCESS DRIVE.

NEW EROSION CONTROL BARRIER (SILT FENCE AND HAY BALE), TYP. SEE DETAIL 4, PAGE C-8.

NEW EROSION CONTROL BARRIER (SILT FENCE ONLY), TYP. SEE DETAIL 4, PAGE C-8.

LINE TOPOGRAPHIC DEPRESSION AND SIDES OF CULVERT WITH MODIFIED RIP RAP

NEW 3'x6' CONCRETE BOX CULVERT, SEE DETAIL 3, PAGE C-11.
INV. IN = 481.00
INV. OUT = 480.00
LENGTH = 42 LF

EX. 18" RCP CULVERT
INV.(N): 482.2
INV.(S): 481.6

START OF NEW 12' GRAVEL ACCESS DRIVE
NEW 12' GRAVEL ACCESS DRIVE. SEE DETAIL 1, PAGE C-8.

EXISTING ASPHALT DRIVE TO BE UTILIZED FOR SITE ACCESS

MATCH LINE - SEE SHEET C-4B

NEW SWALE 2, SEE DETAIL 6, PAGE C-8.

NEW SPREADER, SEE DETAIL 7, PAGE C-10.

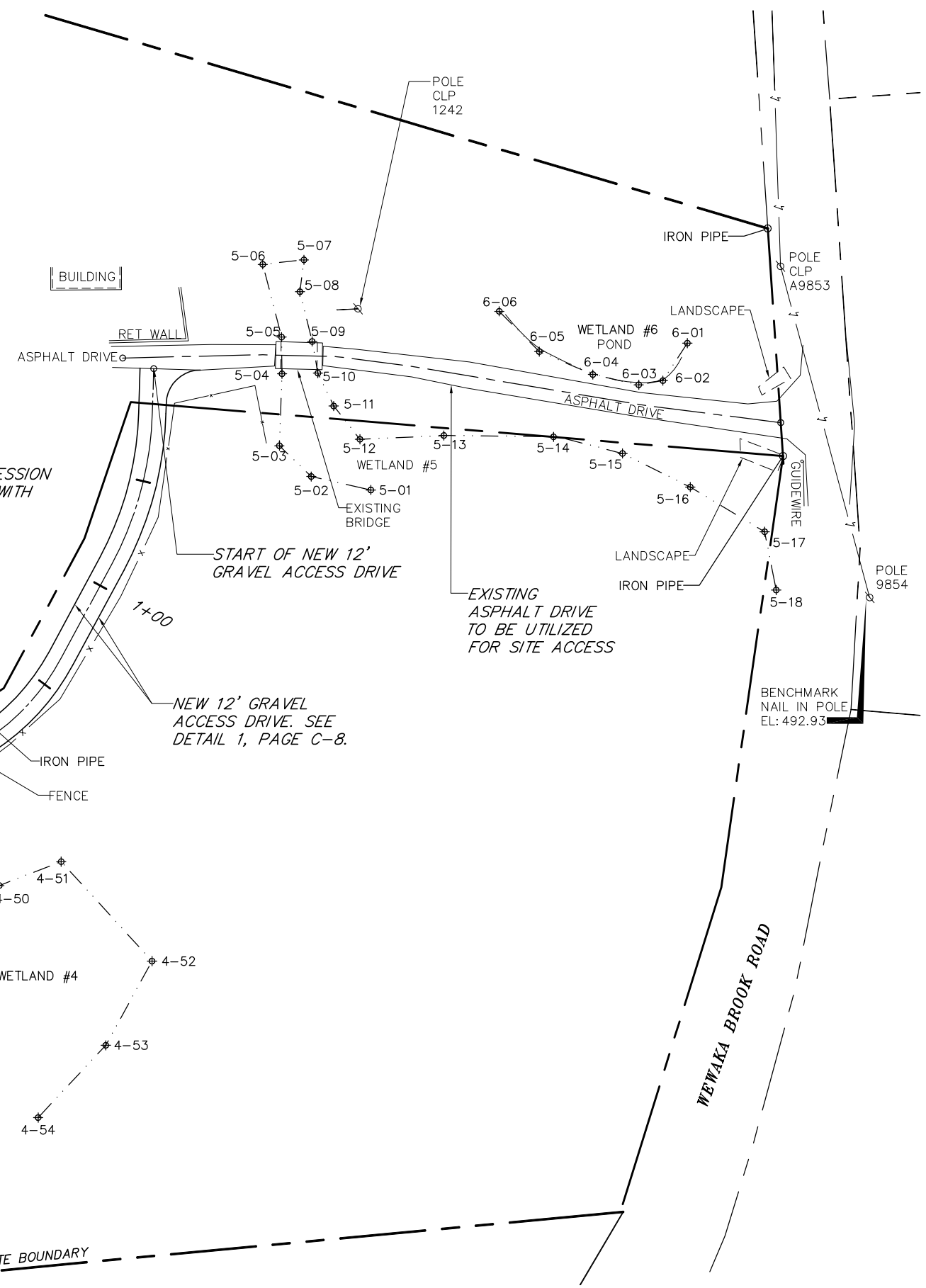
LINE SIDES OF CULVERT WITH MODIFIED RIP RAP

NEW SPREADER AT CULVERT OUTLET. SEE DETAIL 1, PAGE C-11.



11 X 17: 1" = 60'
FULL SIZE: 1" = 30'

APPROXIMATE BOUNDARY



SBA TOWERS III LLC
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FAX: (561) 226-9368

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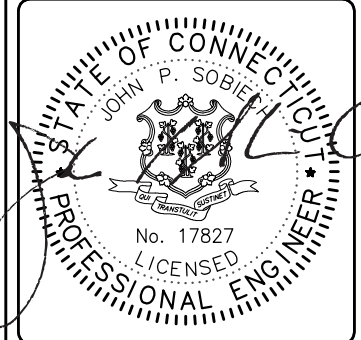


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DRAWN BY:	JDM
CHECKED BY:	PAL

REVISIONS		
NO.	DATE	DESCRIPTION
1	06/22/12	ISSUED FOR CONSTRUCTION



PROJECT No.	15363-1054-43000
SITE NAME:	BRIDGEWATER
SITE NUMBER:	CT 11934
SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

SHEET TITLE:
SITE DRAINAGE PLAN
1 OF 3

DRAWING NO.	REVISION:
C-4A	A



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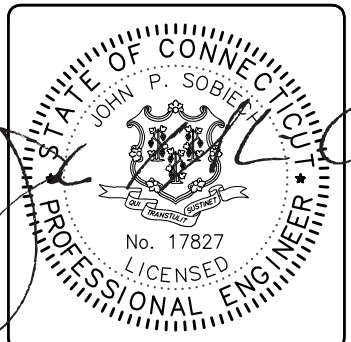


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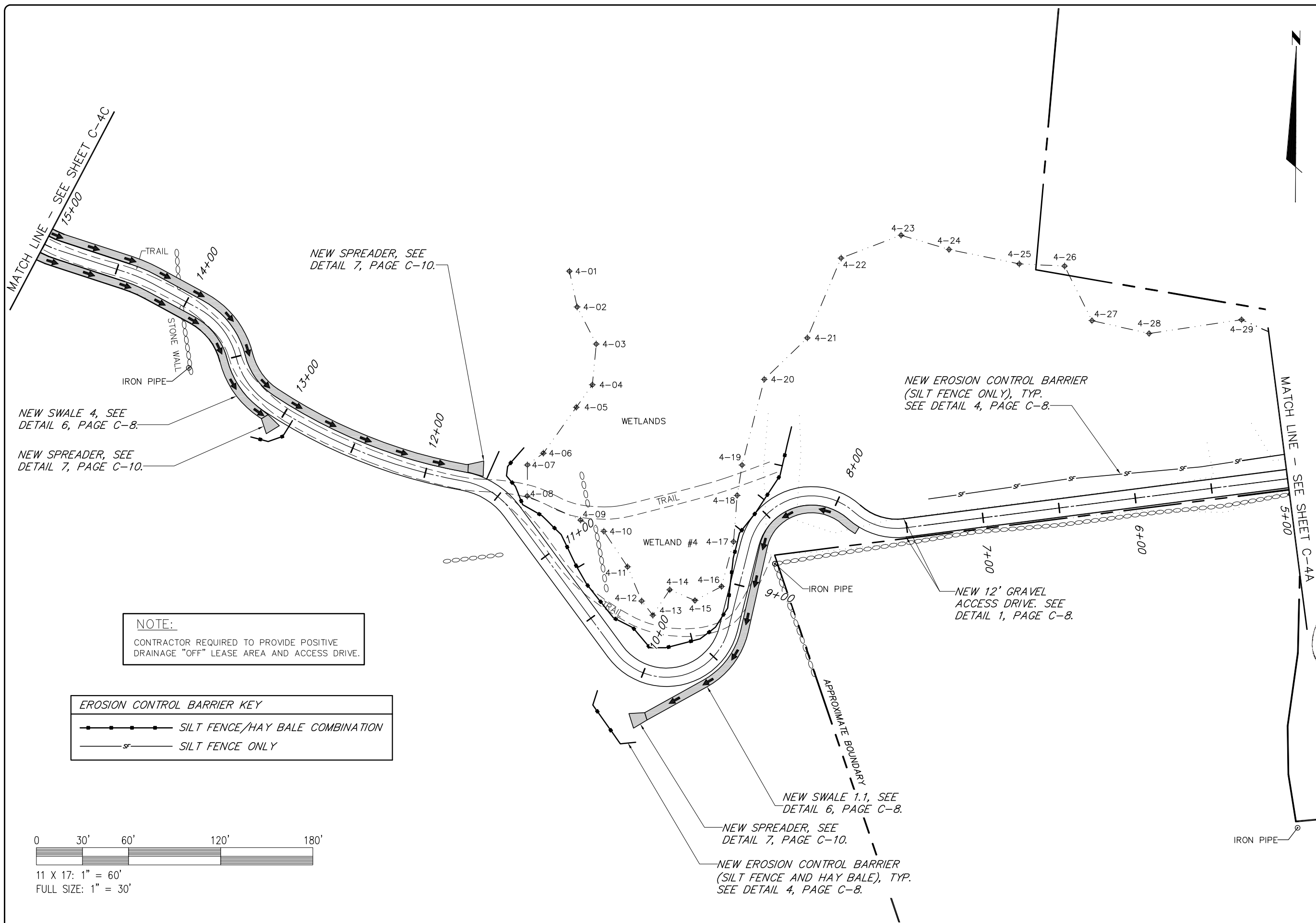
REVISIONS		
NO.	DATE	DESCRIPTION
1	06/22/12	ISSUED FOR CONSTRUCTION



PROJECT No.	15363-1054-43000
SITE NAME:	BRIDGEWATER
SITE NUMBER:	CT 11934
SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

SHEET TITLE:	SITE DRAINAGE PLAN 2 OF 3
--------------	------------------------------

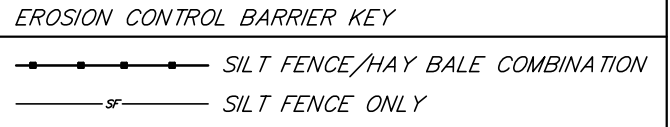
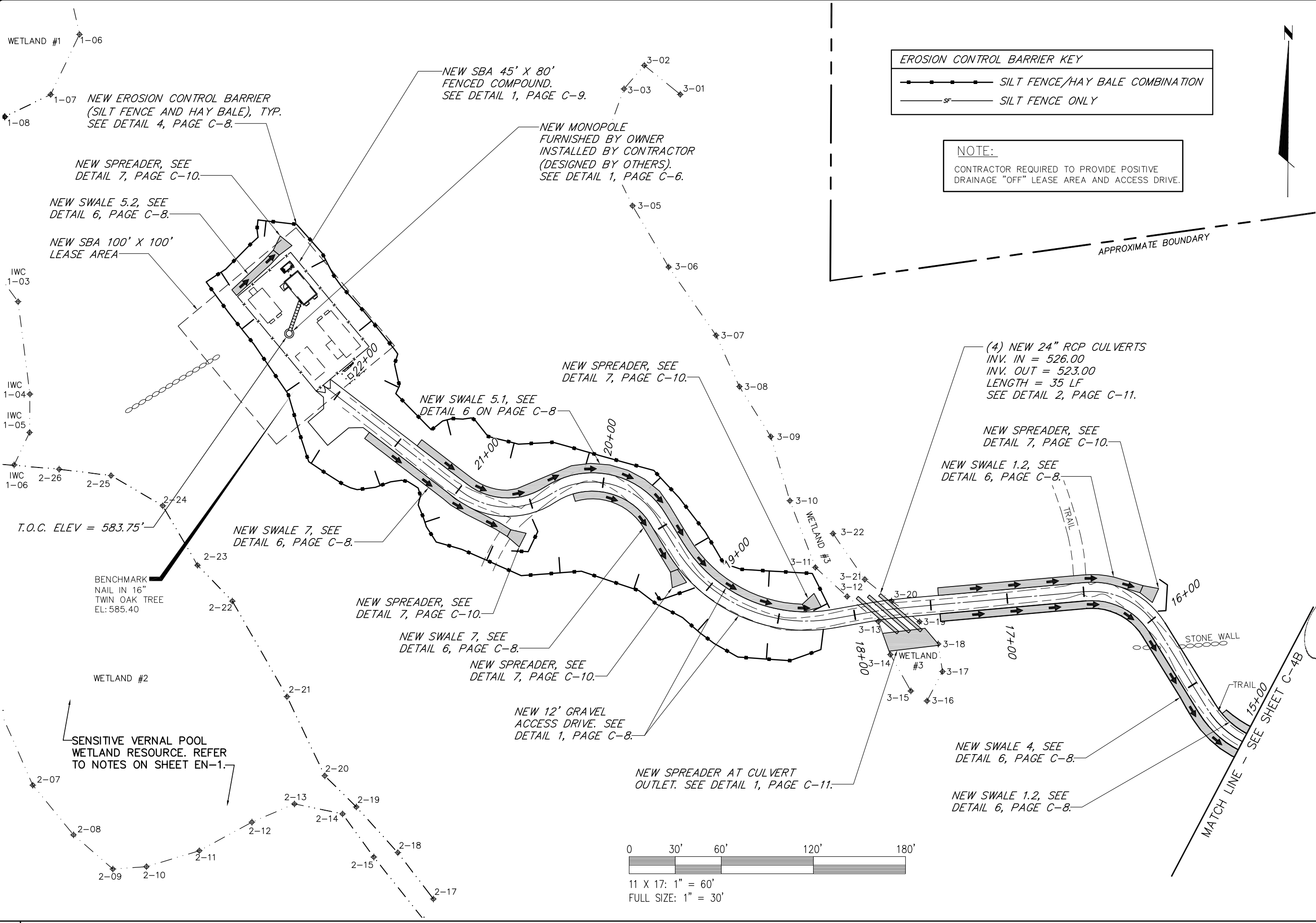
DRAWING NO.	REVISION:
C-4B	A



NOTE:
CONTRACTOR REQUIRED TO PROVIDE POSITIVE DRAINAGE "OFF" LEASE AREA AND ACCESS DRIVE.

EROSION CONTROL BARRIER KEY	
	SILT FENCE/HAY BALE COMBINATION
	SILT FENCE ONLY





NOTE:
CONTRACTOR REQUIRED TO PROVIDE POSITIVE DRAINAGE "OFF" LEASE AREA AND ACCESS DRIVE.

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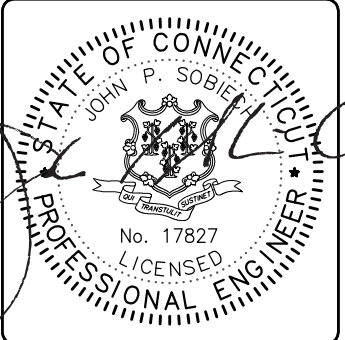
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NO.	DATE	DESCRIPTION
1	06/22/12	ISSUED FOR CONSTRUCTION



PROJECT No.
15363-1054-43000

SITE NAME:
BRIDGEWATER

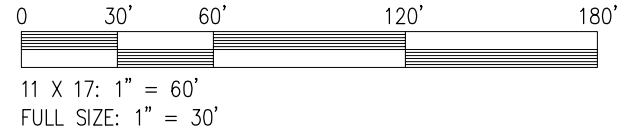
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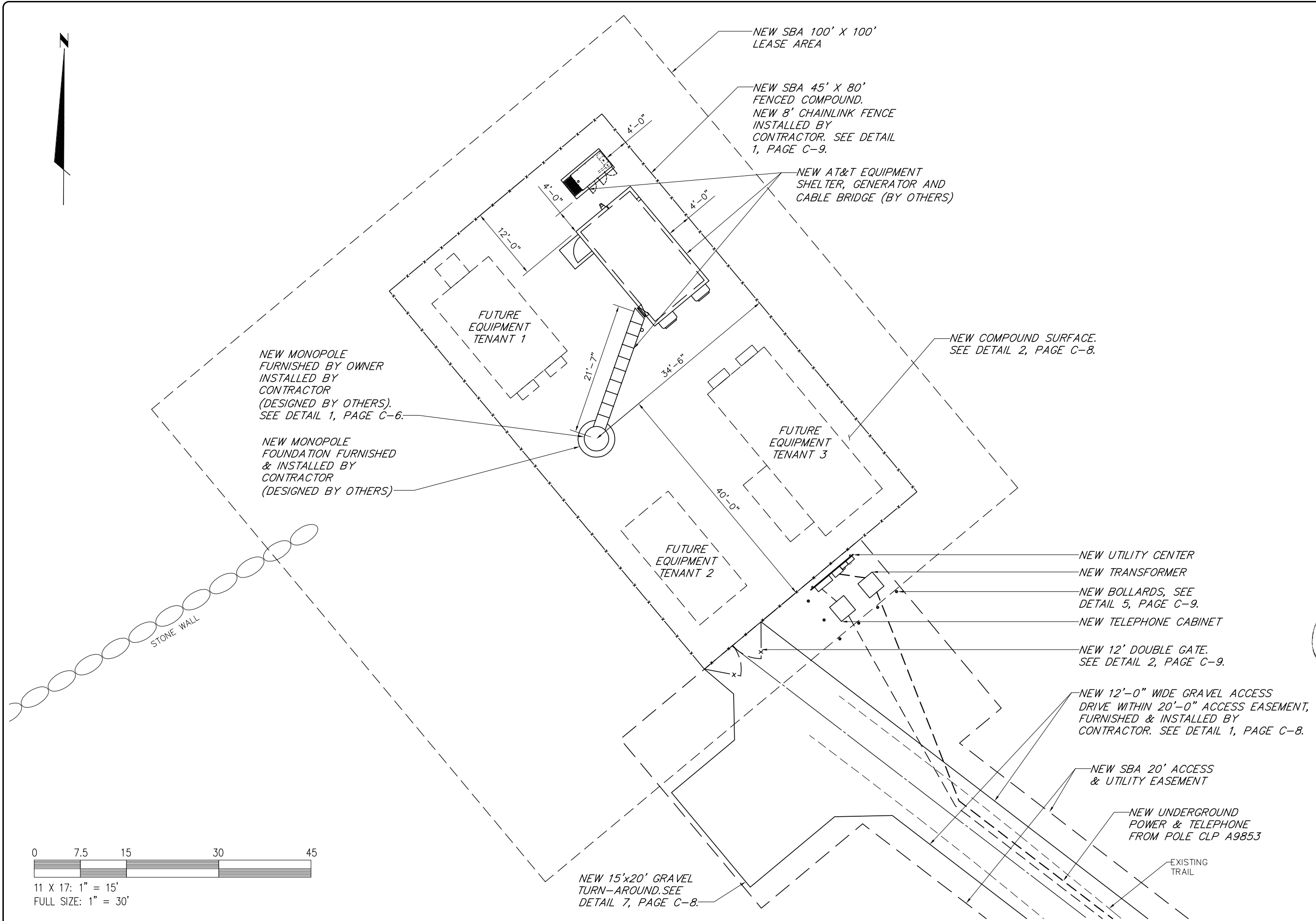
SITE ADDRESS:
WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752

DESIGN TYPE:
RAW LAND

SHEET TITLE:
SITE DRAINAGE PLAN
3 OF 3

DRAWING NO. **C-4C** REVISION: **A**





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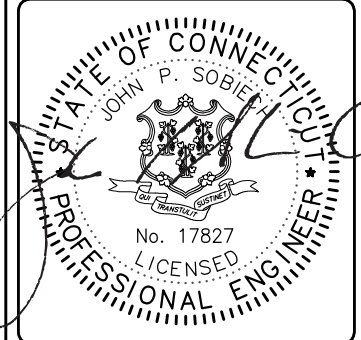


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A&E PROJECT #:	15363-1054-43000
DRAWN BY:	JDM
CHECKED BY:	PAL

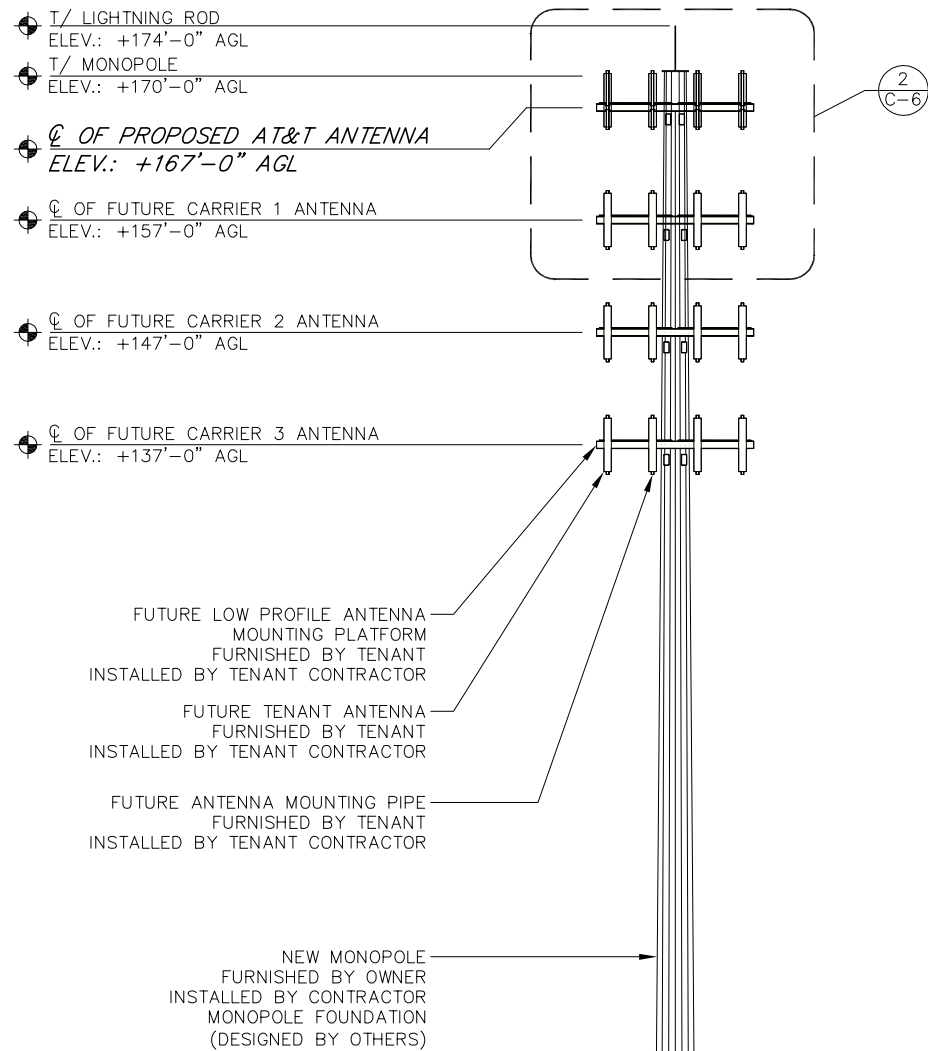
REVISIONS		
NO.	DATE	DESCRIPTION
10/01/12		REVISED UTILITIES
06/22/12		ISSUED FOR CONSTRUCTION



PROJECT No.	15363-1054-43000
SITE NAME:	BRIDGEWATER
SITE NUMBER:	CT 11934
SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

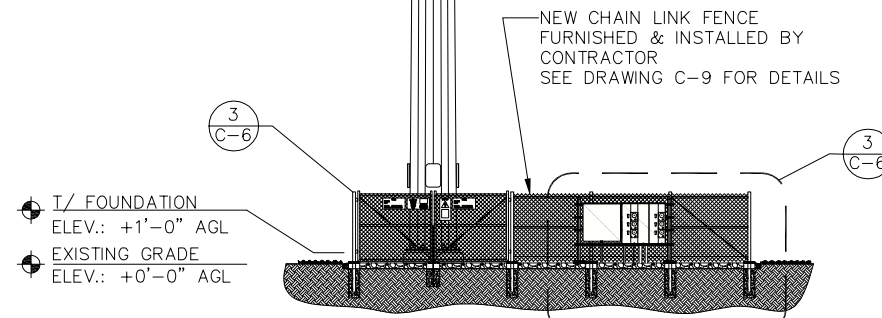
SHEET TITLE:
ENLARGED SITE PLAN

DRAWING NO.	REVISION:
C-5	A



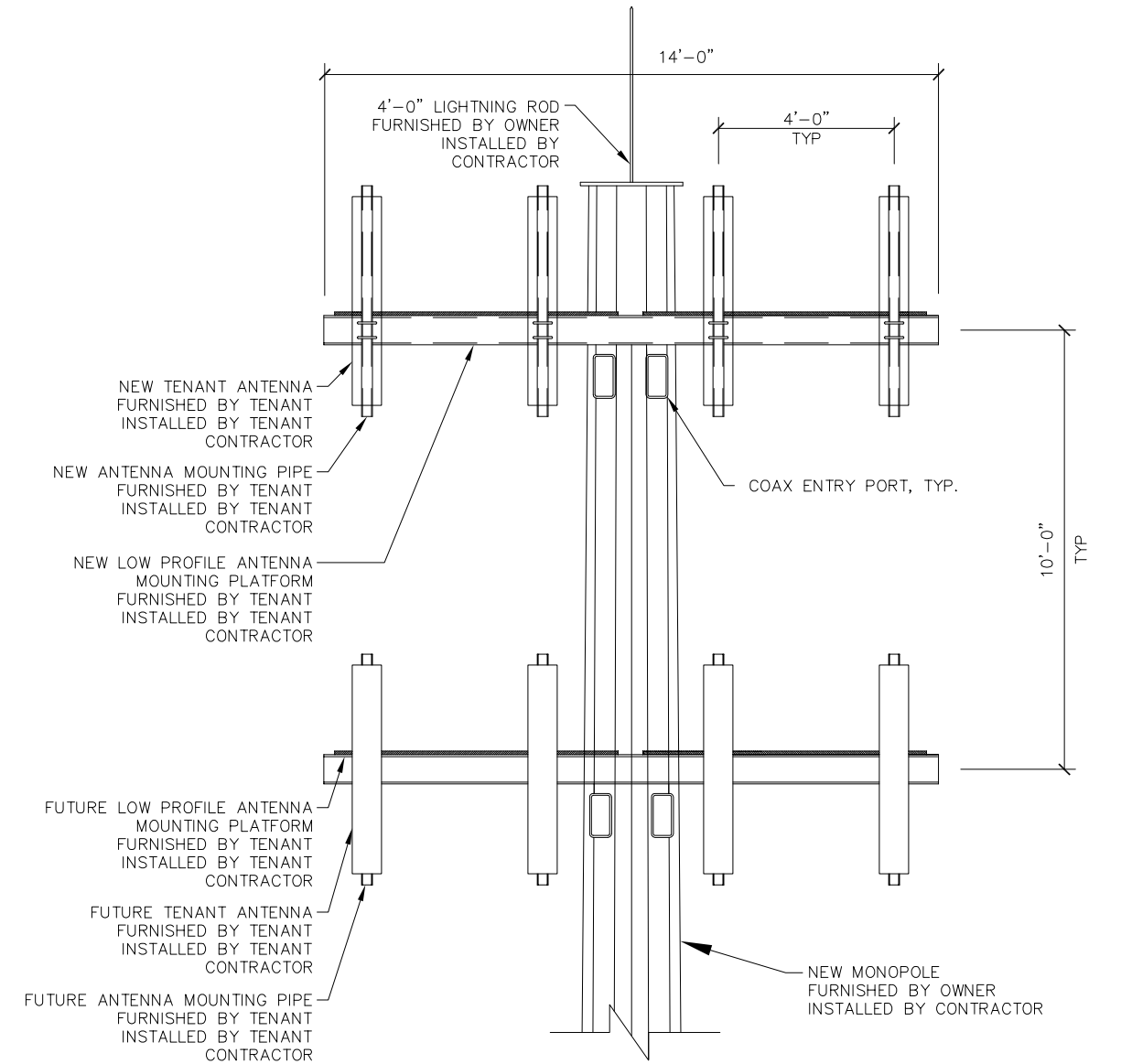
STRUCTURAL NOTES:

1. STRUCTURAL CALCULATION PREPARED BY OTHERS. CONTRACTOR TO COORDINATE WITH AN SBA REPRESENTATIVE TO OBTAIN A COPY.
2. CONTRACTOR TO REFER TO TOWER STRUCTURAL CALCULATIONS FOR ADDITIONAL LOADS. NO ERECTION OR MODIFICATION OF TOWER SHALL BE MADE WITHOUT APPROVAL OF STRUCTURAL ENGINEER.



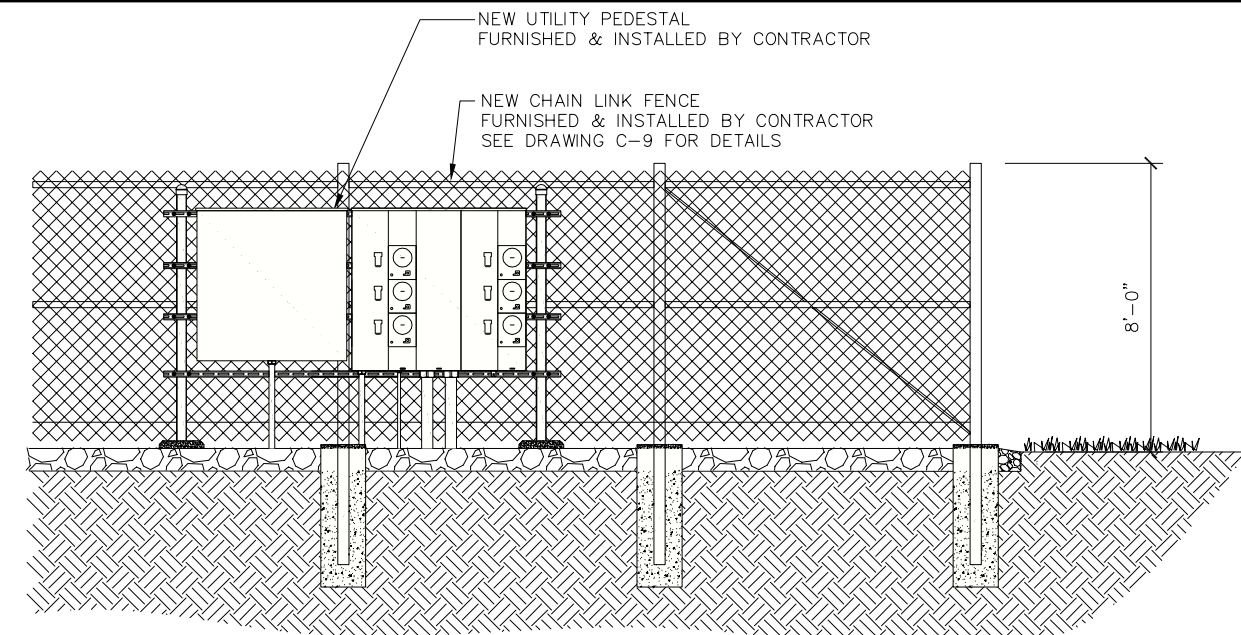
1 ELEVATION VIEW

SCALE: N.T.S.



2 ELEVATION VIEW @ TOP OF TOWER

SCALE: N.T.S.



3 ELEVATION VIEW @ UTILITY H-FRAME

SCALE: N.T.S.

SBA

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REVISIONS		
NO.	DATE	DESCRIPTION
1	06/22/12	ISSUED FOR CONSTRUCTION

STATE OF CONNECTICUT

JOHN P. SOBIECHOWSKI

No. 17827

LICENSED PROFESSIONAL ENGINEER

PROJECT No.	15363-1054-43000
SITE NAME:	BRIDGEWATER
SITE NUMBER:	CT 11934
SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

SHEET TITLE:
SITE ELEVATIONS

DRAWING NO.	REVISION:
C-6	A



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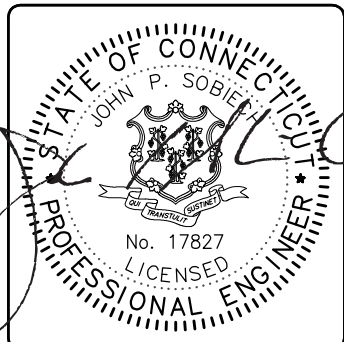


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A&E PROJECT #:	15363-1054-43000
DRAWN BY:	JDM
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REVISIONS		
NO.	DATE	DESCRIPTION
1	06/22/12	ISSUED FOR CONSTRUCTION

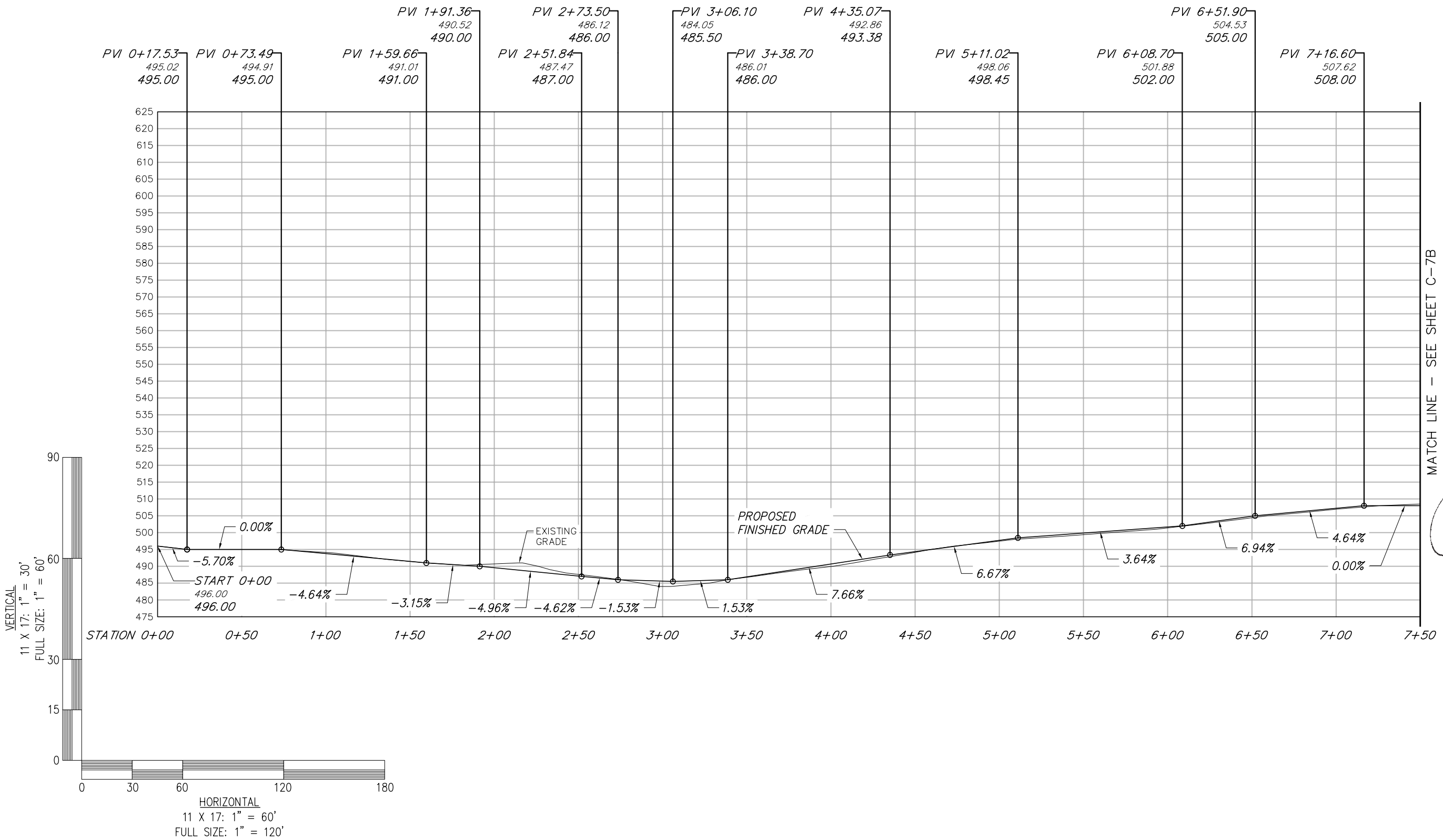


PROJECT No.	15363-1054-43000
SITE NAME:	BRIDGEWATER
SITE NUMBER:	CT 11934
SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

SHEET TITLE:	PROFILE 1 OF 3
--------------	-------------------

DRAWING NO.	REVISION:
C-7A	A

MATCH LINE - SEE SHEET C-7B





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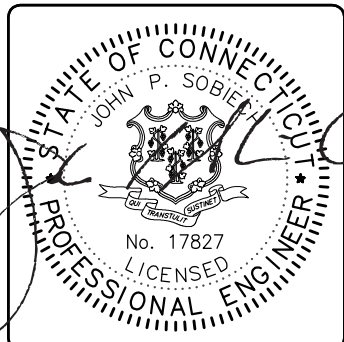


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DRAWN BY:	JDM
CHECKED BY:	PAL

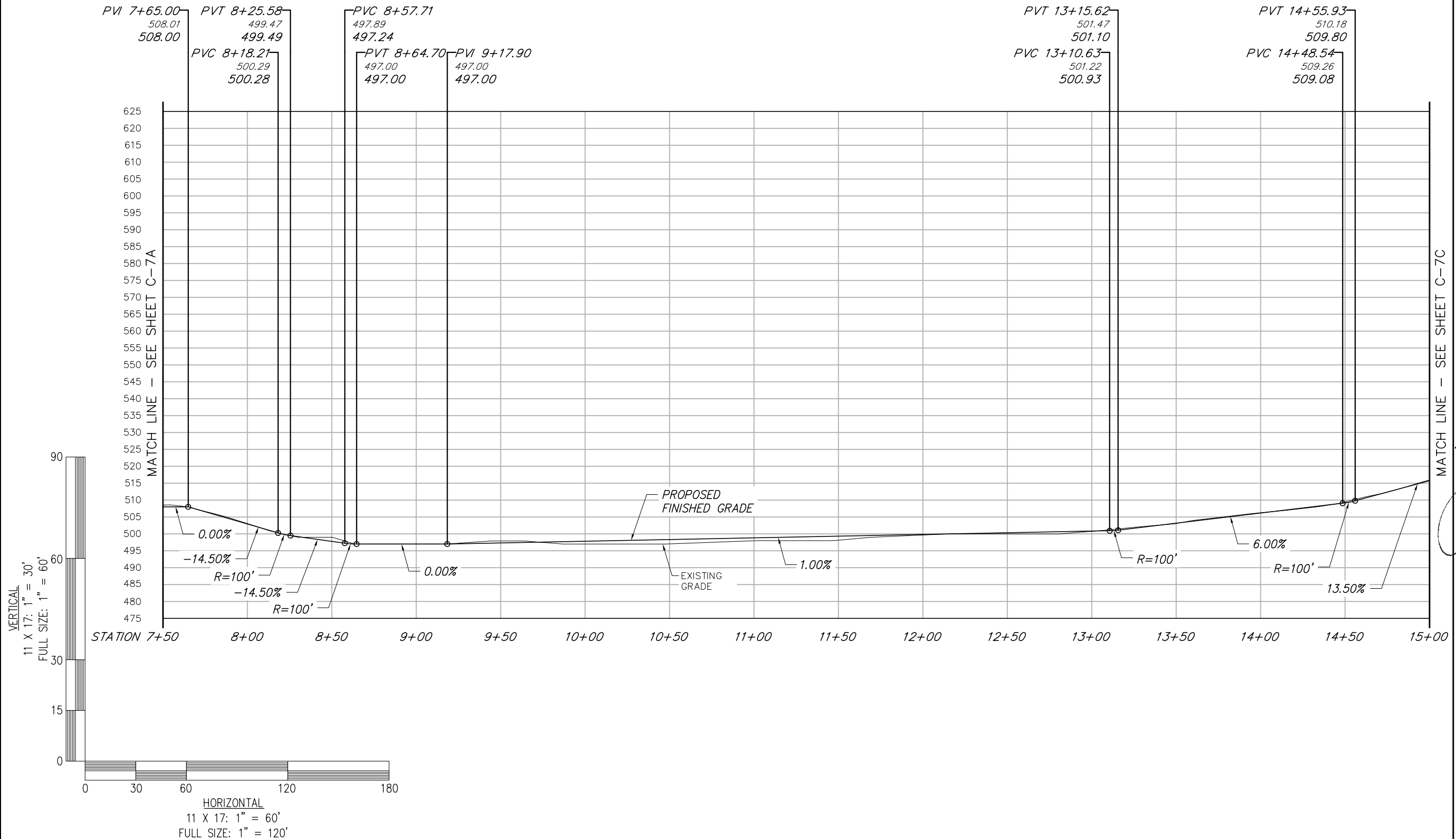
REVISIONS		
NO.	DATE	DESCRIPTION
1	06/22/12	ISSUED FOR CONSTRUCTION



PROJECT No.	15363-1054-43000
SITE NAME:	BRIDGEWATER
SITE NUMBER:	CT 11934
SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

SHEET TITLE:	PROFILE 2 OF 3
--------------	-------------------

DRAWING NO.	REVISION:
C-7B	A





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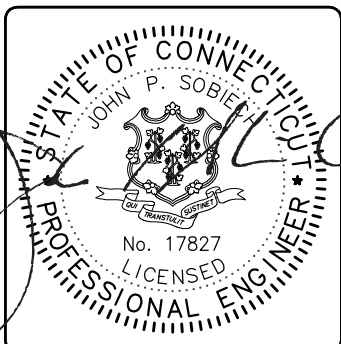


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A&E PROJECT #:	15363-1054-43000
DRAWN BY:	JDM
CHECKED BY:	PAL

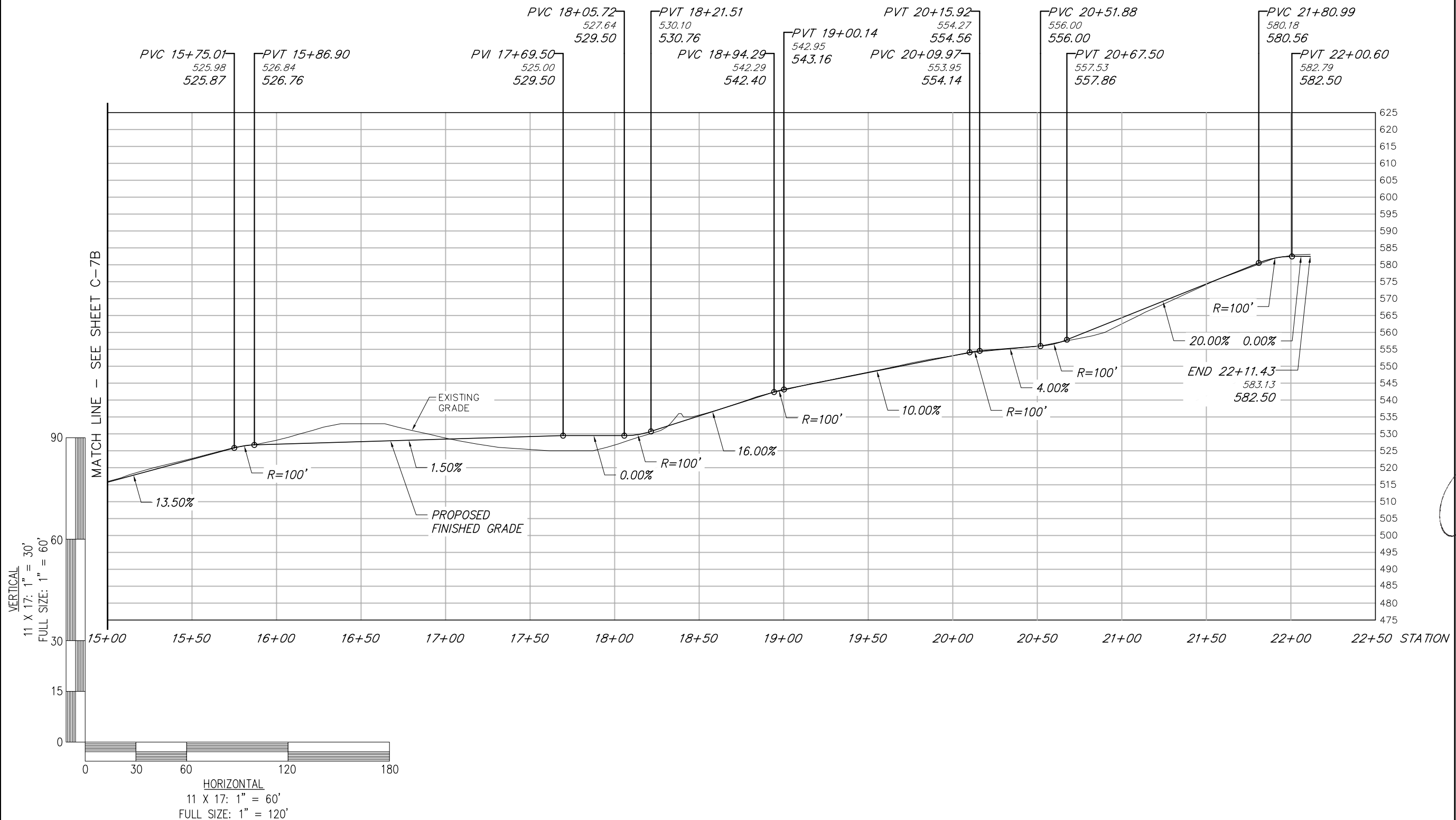
REVISIONS		
NO.	DATE	DESCRIPTION
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PROJECT No.	15363-1054-43000
SITE NAME:	BRIDGEWATER
SITE NUMBER:	CT 11934
SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

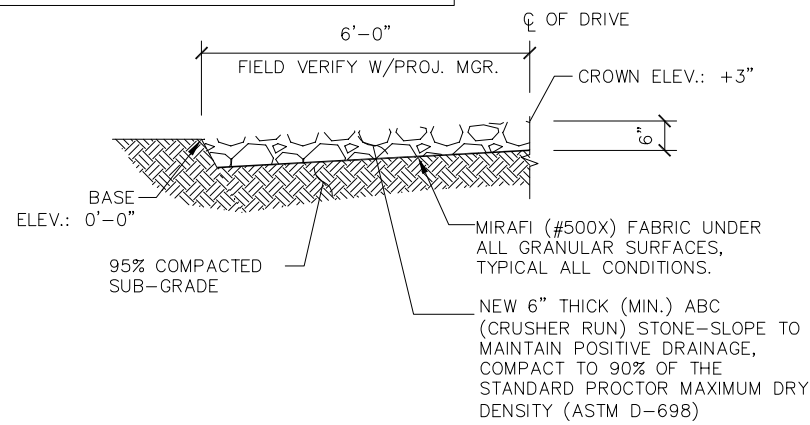
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DRAWING NO.	C-7C	REVISION:	A
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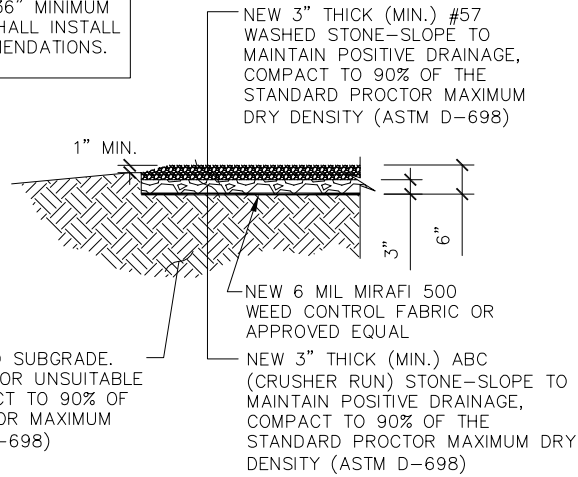
NOTE:

WEED CONTROL FABRIC SHALL BE USED UNDER ACCESS DRIVE WITH A 36" MINIMUM OVERLAP. CONTRACTOR SHALL INSTALL FABRIC PER MFG. RECOMMENDATIONS.



NOTE:

WEED CONTROL FABRIC SHALL BE USED UNDER ENTIRE PROPOSED GRAVELED AREA WITH A 36" MINIMUM OVERLAP. CONTRACTOR SHALL INSTALL FABRIC PER MFG. RECOMMENDATIONS.



Signage details including SBA logos, 'NO TRESPASSING' signs, 'WARNING ANTENNAS MAY BE ACTIVE', 'DO NOT CLIMB TOWER WITHOUT AUTHORIZATION', and FCC information for SBA Towers.

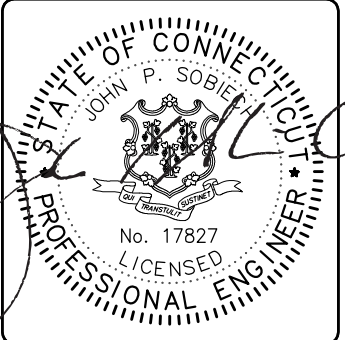
SBA TOWERS III LLC
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BOCA RATON, FL 33487-2797
TEL: (561) 226-9523
FAX: (561) 226-9368

CHIA logo and contact information: 2139 Silas Deane Highway, Suite 212, Rocky Hill, CT 06067-2336.

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Table with project details: A&E PROJECT #: 15363-1054-43000, DRAWN BY: JDM, CHECKED BY: PAL.

Table with revision history: NO., DATE, DESCRIPTION. Includes entry for 06/22/12 ISSUED FOR CONSTRUCTION.



PROJECT No. 15363-1054-43000
SITE NAME: BRIDGEWATER
SITE NUMBER: CT 11934
SITE ADDRESS: WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE: RAW LAND

SHEET TITLE: SITE DETAILS
DRAWING NO. C-8
REVISION: A

1 ACCESS DRIVE DETAIL

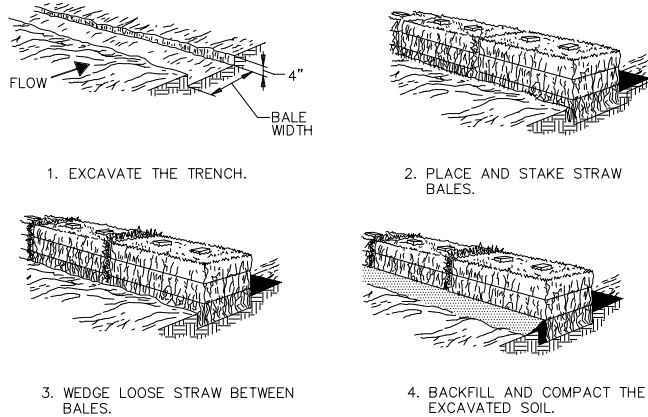
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2 COMPOUND FINISH DETAIL

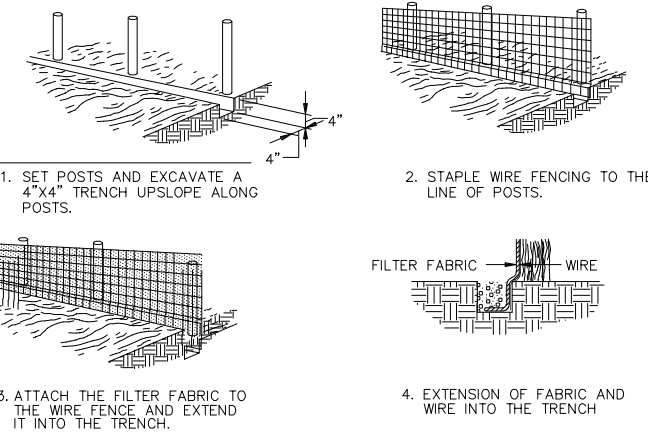
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3 SIGN DETAIL

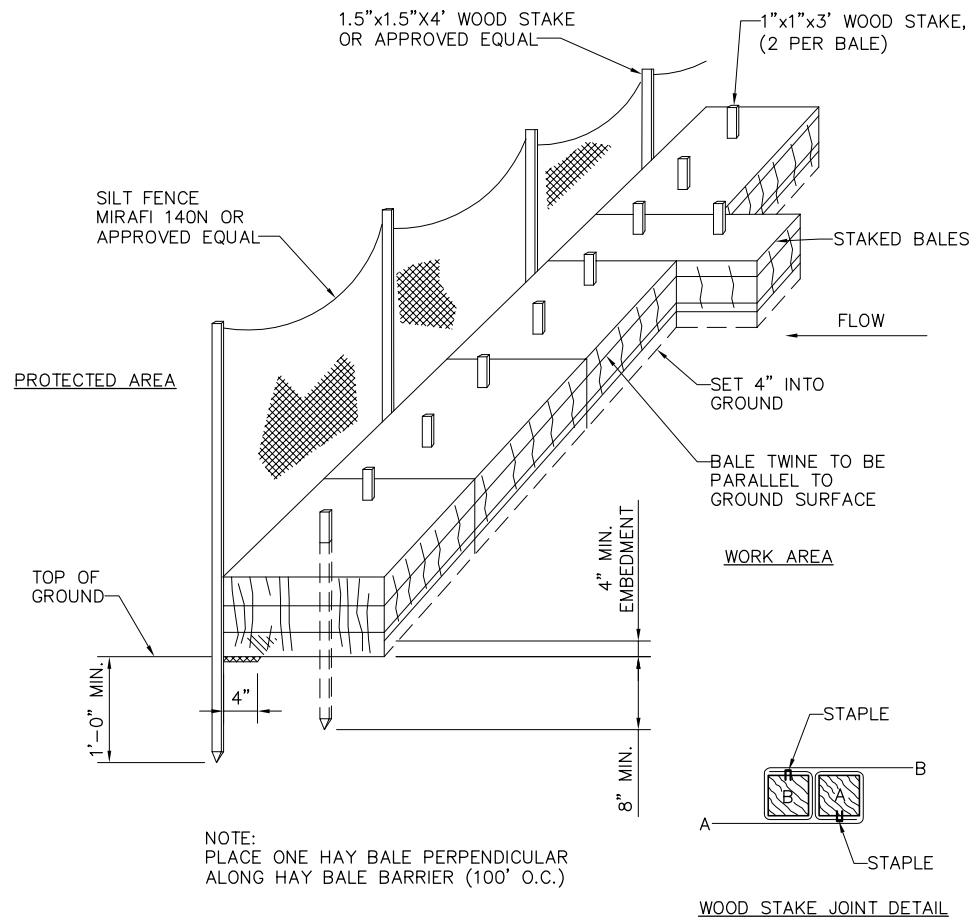
SCALE: N.T.S.



A. STRAW BALE BARRIER



B. SILT FENCE



C. SILT FENCE AND HAYBALE COMBINATION

5 TYPICAL ROAD ENTRY

SCALE: N.T.S.

Diagram of a road entry cross-section with a table for SWALE specifications and details on rip rap and granular fill.

Table with columns: SWALE, D50 (INCHES), CTDOT RIP RAP SPECIFICATION, LINING DEPTH (D). Rows 1.1 to 7.

4 EROSION CONTROL BARRIER DETAILS

SCALE: N.T.S.

6 SWALE DETAIL

SCALE: N.T.S.



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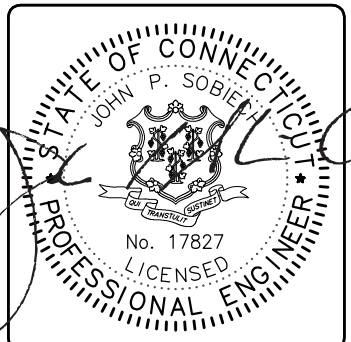


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A&E PROJECT #:	15363-1054-43000
DRAWN BY:	JDM
CHECKED BY:	PAL

REVISIONS		
NO.	DATE	DESCRIPTION
1	06/22/12	ISSUED FOR CONSTRUCTION



PROJECT No.
15363-1054-43000

SITE NAME:
BRIDGEWATER

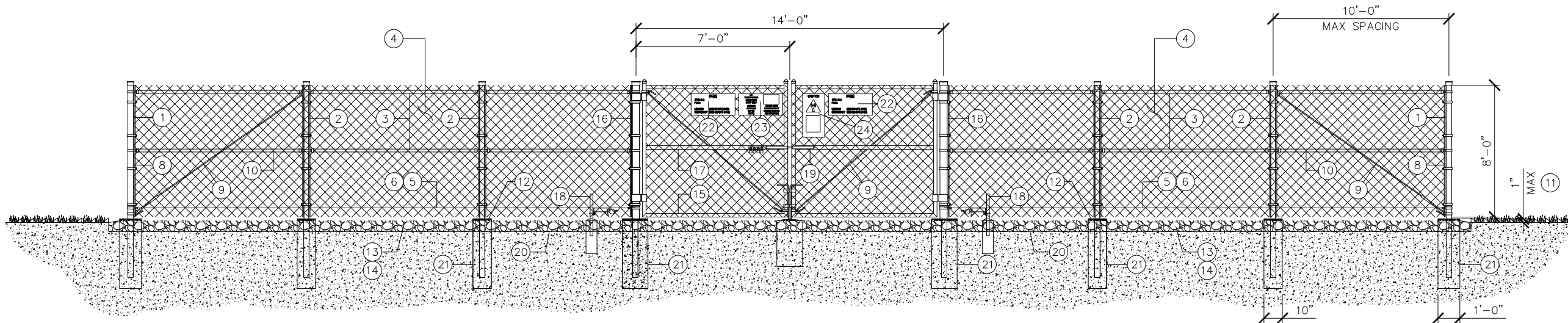
SITE NUMBER:
CT 11934

SITE ADDRESS:
WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752

DESIGN TYPE:
RAW LAND

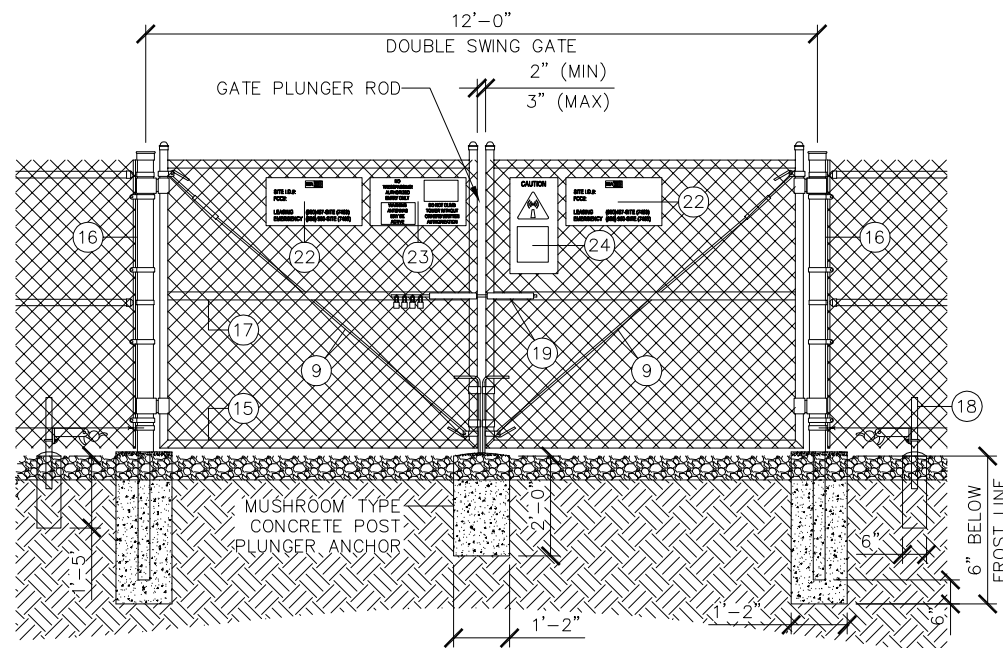
SHEET TITLE:
FENCE DETAILS

DRAWING NO. C-9	REVISION: A
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1 TYPICAL FENCING DETAIL

SCALE: N.T.S.



2 DOUBLE-SWING GATE DETAIL

SCALE: 1/4"=1'-0"

GENERAL NOTES:

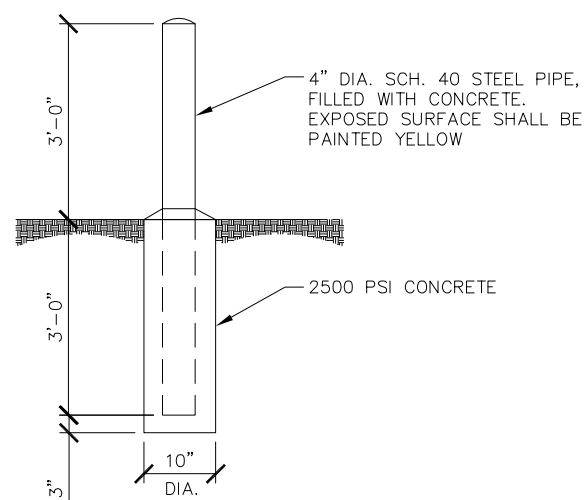
1. INSTALL FENCING PER ASTM F-567
2. INSTALL SWING GATES PER ASTM F- 900
3. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED IF REQUIRED.
4. POST & GATE PIPE SIZES ARE INDUSTRY STANDARDS. ALL PIPE TO BE GALVANIZED (HOT DIP, ASTM A120 GRADE "A" STEEL). ALL GATE FRAMES SHALL BE WELDED. ALL WELDING SHALL BE COATED WITH (3) COATS OF COLD GALV. (OR EQUAL).
5. ALL OPEN POSTS SHALL HAVE END-CAPS.
6. USE GALVANIZED HOG-RING WIRE TO MOUNT ALL SIGNS.
7. ALL SIGNS MUST BE MOUNTED ON INSIDE OF FENCE FABRIC.
8. MUSHROOM ANCHOR & PLUNGER REQUIRED FOR GATE.
9. G.C. RESPONSIBLE FOR SBA GATE LOCK

4 NOTES

BALLOON REFERENCE NOTES:

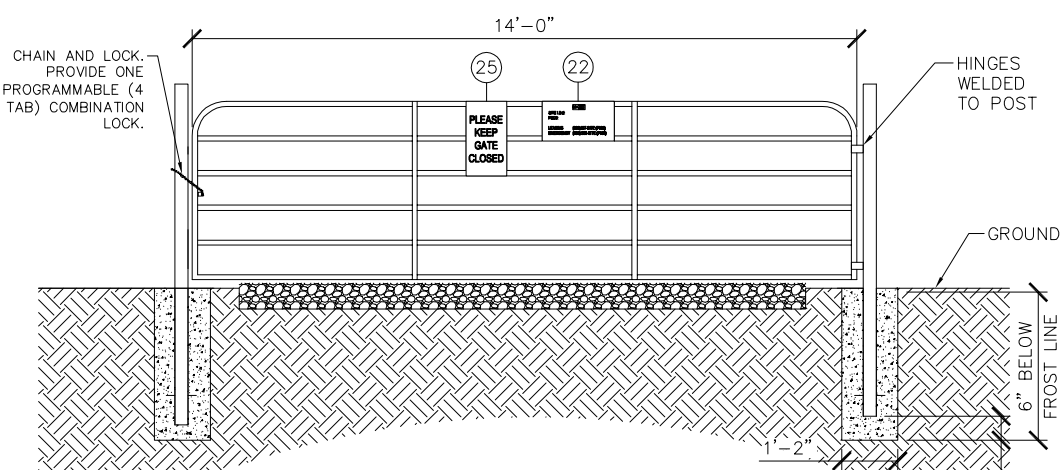
- 1 CORNER, END OR PULL POST: 3" O.D. SCHEDULE 40 PIPE.
- 2 LINE POST: 2 1/2" NOMINAL SCHEDULE 40 PIPE, PER ASTM-F1083. LINE POSTS SHALL BE EQUALLY SPACED AT MAXIMUM 10'-0" O.C.
- 3 TOP RAIL & BRACE RAIL: 1-5/8" O.D. STANDARD ROUND PIPE, PER ASTM-F1083.
- 4 FABRIC: 9 GA CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- 5 TIE WIRE: 9 GA ALUMINUM. A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED 12" O.C. POSTS/GATES AND 24" RAILS/WIRE.
- 6 TENSION WIRE: 9 GA ALUMINUM
- 7 BARBED WIRE: NOT REQUIRED
- 8 3/16" X 3/4" (MIN) FULL HEIGHT STRETCHER BAR.
- 9 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE OR DIAGONAL THREADED ROD.
- 10 FENCE CORNER POST BRACE: 1 5/8" NOMINAL PIPE.
- 11 1" MAXIMUM CLEARANCE FROM FINISH GRADE.
- 12 FENCE POST FOUNDATION TO BE 1" FINISH ABOVE FINISHED GRADE
- 13 6" COMPACTED BASE MATERIAL
- 14 FINISH GRADE SHALL BE UNIFORM AND LEVEL.
- 15 WELDED GATE FRAME: 2" O.D., SCHEDULE 40 PIPE, PER ASTM-F1083.
- 16 GATE POST 4" O.D., SCHEDULE 40 PIPE, PER ASTM-F1083.
- 17 GATE FRAME BRACE RAIL: 1 1/2" NOMINAL PIPE, PER ASTM-F1083.
- 18 DUCK BILL OPEN GATE HOLDER. VERIFY LOCATION IN FIELD PRIOR TO INSTALLATION.
- 19 STYMIE LOCK MULTI-TENANT LOCKING DEVICE
- 20 GEOTEXTILE FABRIC
- 21 CONCRETE FOUNDATION (MIN 3000 PSI). MINIMUM DEPTH: 6" BELOW FROST LINE
- 22 12" x 24" SBA SITE INFORMATION SIGN.
- 23 12" x 24" NO TRESPASSING SIGN.
- 24 12" x 24" RF CAUTION SIGN.
- 25 18" x 12" KEEP GATE CLOSED SIGN.

6 FENCING NOTES



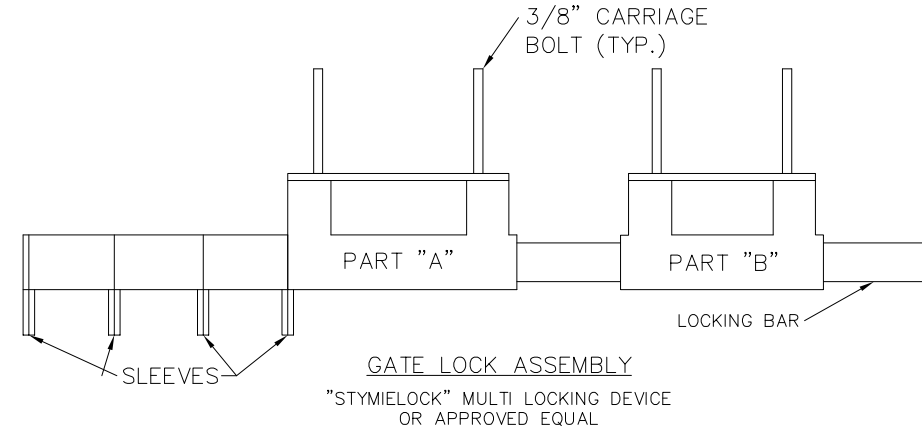
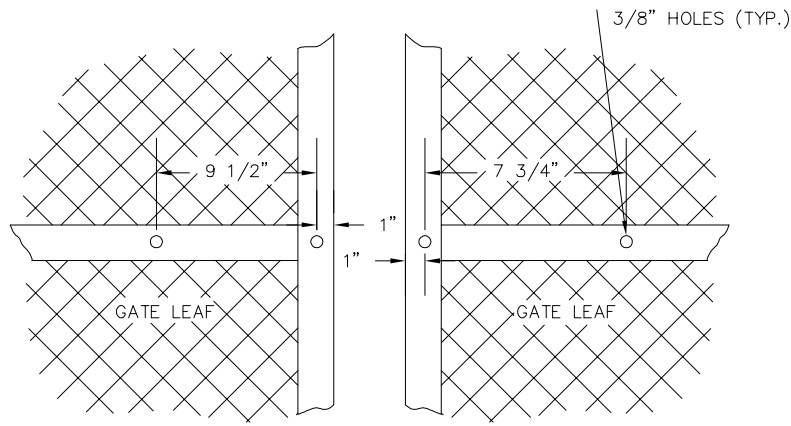
5 BOLLARD DETAIL

SCALE: N.T.S.



3 SINGLE "CATTLE" GATE DETAIL

SCALE: N.T.S.



STYMIELOCK INSTALLATION

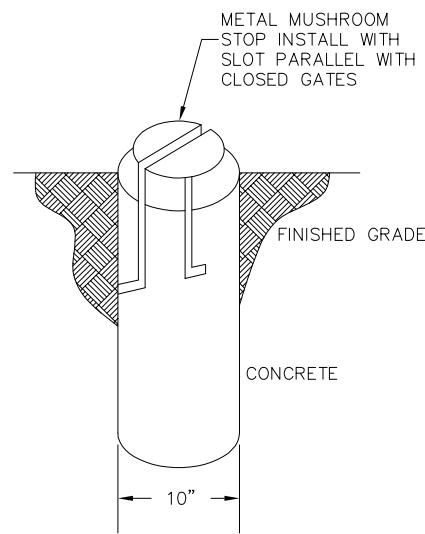
1. DRILL 3/8" HOLES IN THE GATE LEAF USING THE GATE DIMENSIONS PROVIDED.
2. SLIDE THE CARRIAGE BOLTS IN THE SLOTS ON THE BACK OF PART "B" AND PUSH THE BOLTS THROUGH THE HOLES DRILLED IN THE GATE FIGURE. PUT THE NUT AND THE LOCKNUT ON AND TIGHTEN AND CUT THE EXCESS BOLT OFF. DO THE SAME WITH PART "A".
3. ADD THE NUMBER OF SLEEVES NEEDED FOR THE NUMBER OF LOCKS AND SLIDE THE LOCKING BAR INTO PLACE THROUGH BOTH PART "A" AND PART "B". NOW INSTALL THE LOCKS.
4. IF THE GATE HAS NO CENTER BAR IN THE GATE LEAF YOU MAY NEED TO MOUNT THE STYMIELOCK VERTICALLY USING THE SAME DIMENSIONS GIVEN ON THE GATE FACE.
5. VERTICAL APPLICATION MAY ALSO BE USED ON SLIDING GATES WITH MULTIPLE LOCKS.

1 GATE FACE - ACCOMODATING STYMIELOCK

SCALE: N.T.S.

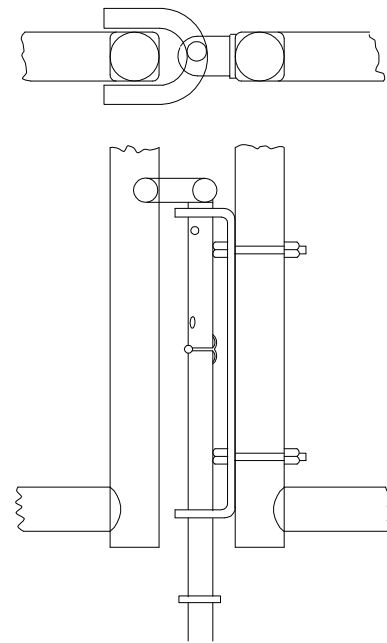
2 GATELOCK ASSEMBLY DETAIL

SCALE: N.T.S.



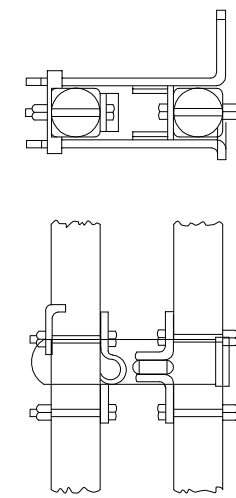
3 MUSHROOM STOP DETAIL

SCALE: N.T.S.



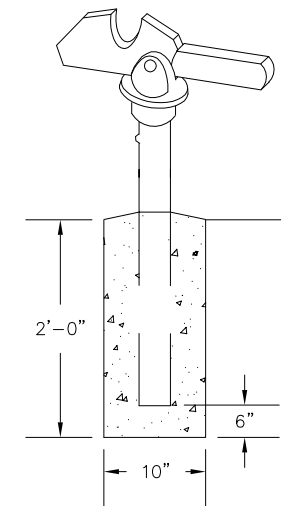
4 DROP ROD ASSEMBLY DETAIL

SCALE: N.T.S.



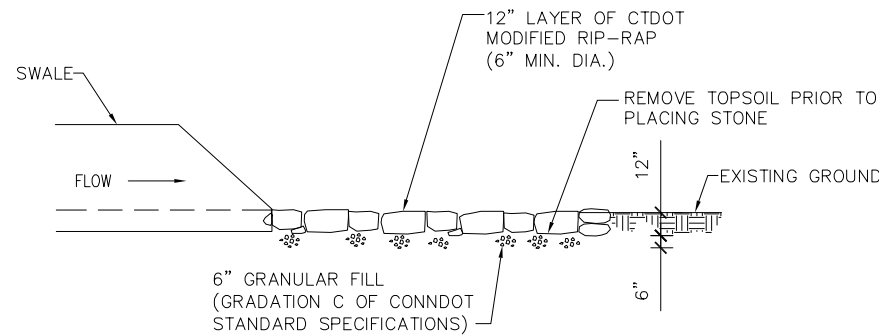
SCALE: N.T.S.

5 LATCH ASSEMBLY DETAIL



SCALE: N.T.S.

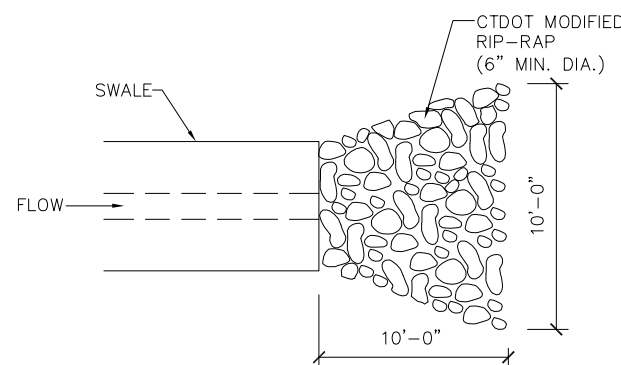
6 GATE KEEPER DETAIL



SECTION

7 SWALE RIP-RAP APRON DETAIL

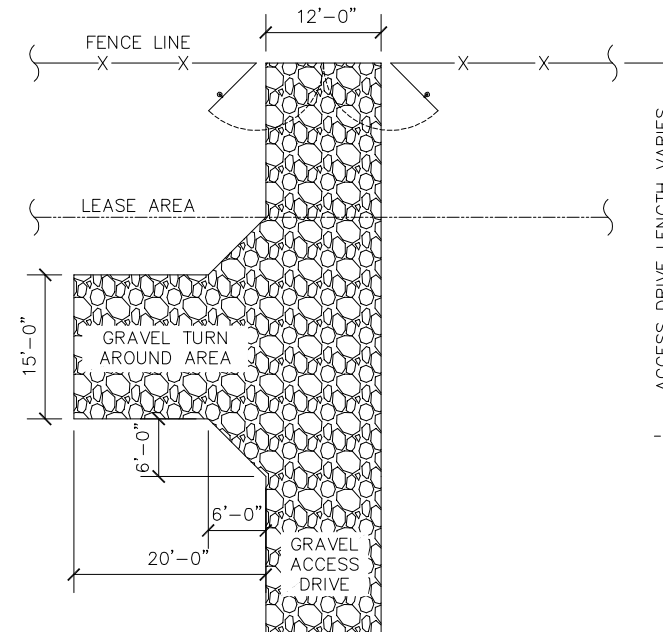
SCALE: N.T.S.



PLAN

8 ACCESS DRIVE TURN-AROUND DETAIL

SCALE: N.T.S.



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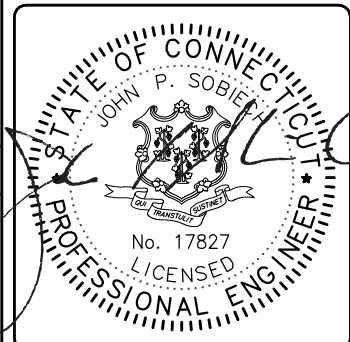


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CHECKED BY:	PAL

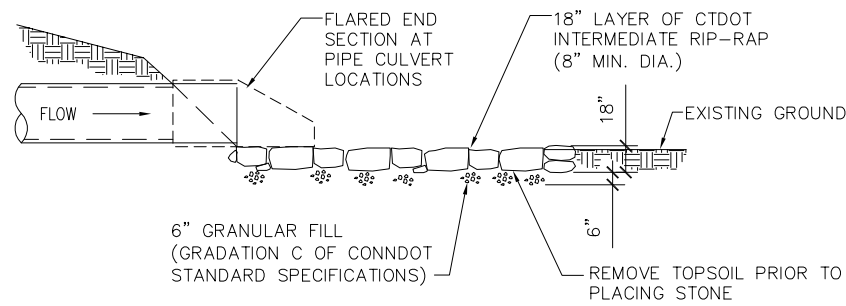
REVISIONS		
NO.	DATE	DESCRIPTION



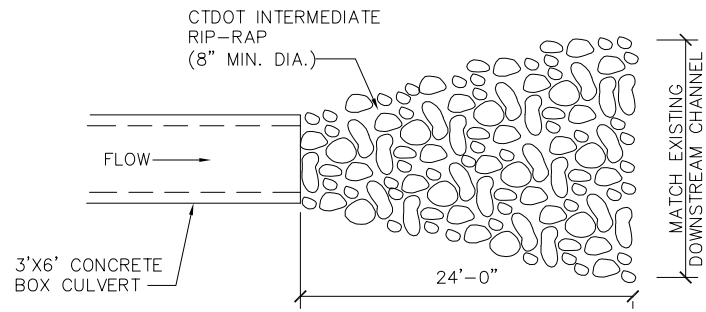
PROJECT No.	15363-1054-43000
SITE NAME:	BRIDGEWATER
SITE NUMBER:	CT 11934
SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

SHEET TITLE:	FENCE DETAILS
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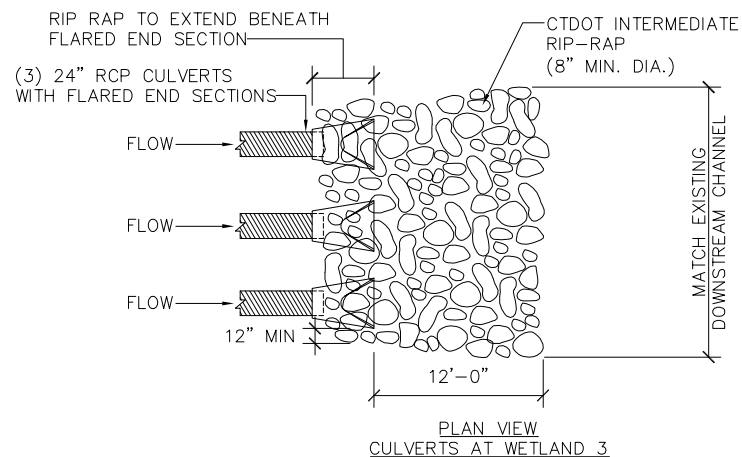
DRAWING NO.	REVISION:
C-10	A



TYPICAL SECTION



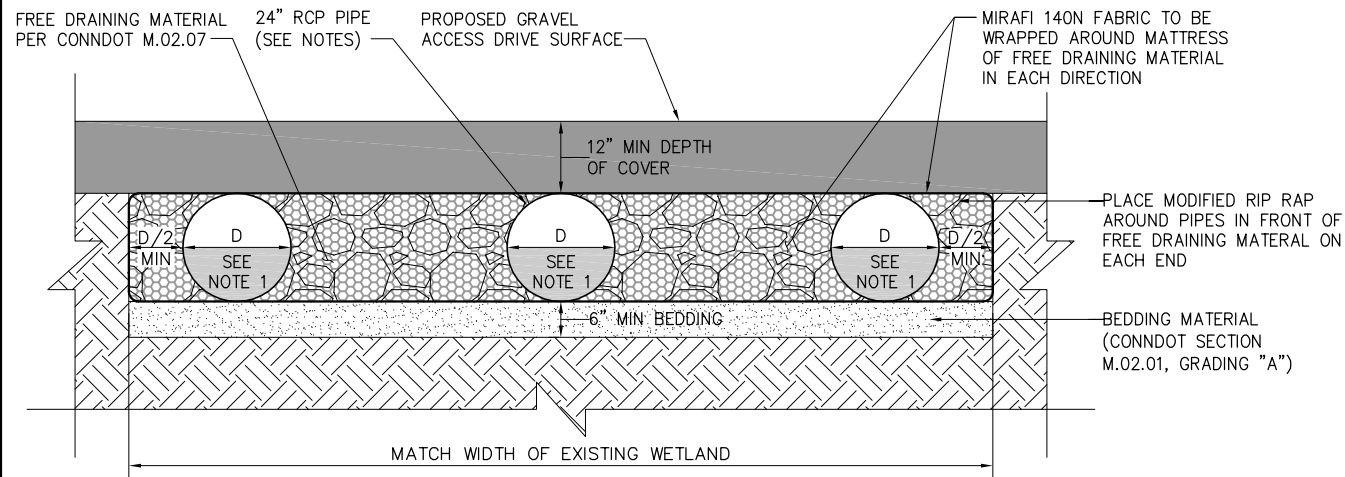
PLAN VIEW
CULVERT AT WETLAND 4



PLAN VIEW
CULVERTS AT WETLAND 3

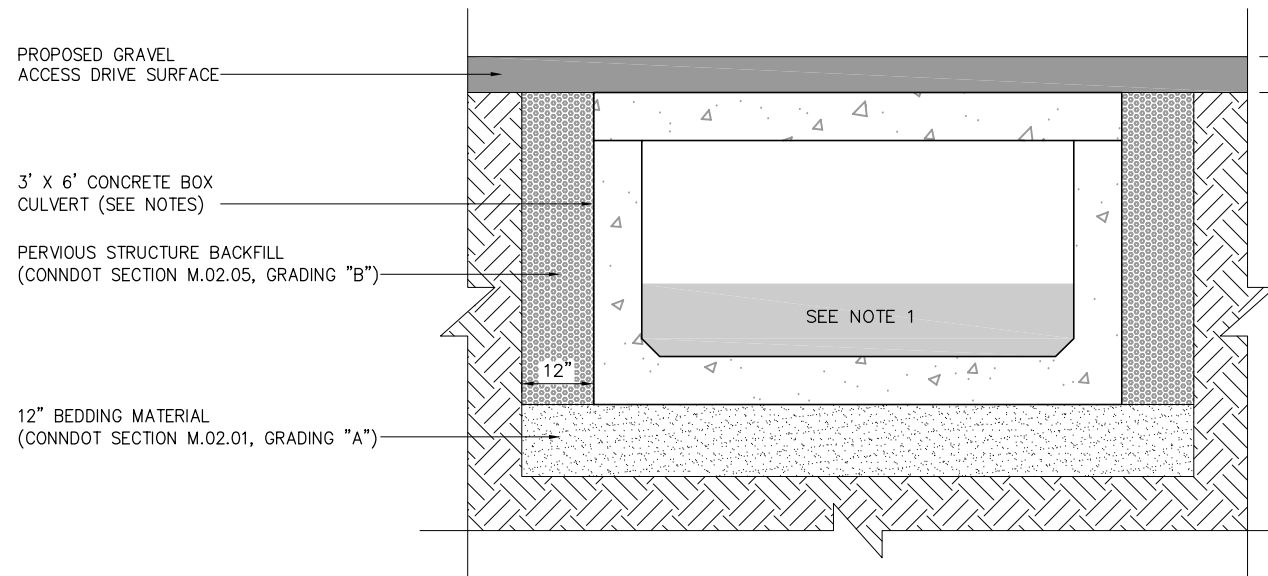
1 CULVERT RIP-RAP APRON DETAIL

SCALE: N.T.S.



2 PIPE CULVERT CROSS SECTION

SCALE: N.T.S.



3 BOX CULVERT CROSS SECTION

SCALE: N.T.S.

NOTES:

- BACKFILL CULVERT(S) WITH 12" NATURAL SUBSTRATE MATERIAL MATCHING THE UPSTREAM AND DOWNSTREAM STREAMBED SUBSTRATE. MATERIAL TO BE OBTAINED DURING EXCAVATION PRIOR TO INSTALLATION OF CULVERT AND SAVED REUSE.
- PIPE CULVERTS TO BE CLASS V CONCRETE CULVERTS TO BE CONSTRUCTED IN 10' LENGTH (MAX) SECTIONS TO FACILITATE BACKFILLING WITH NATURAL SUBSTRATE.
- CULVERTS TO BE PRECAST UNITS DESIGNED AND FURNISHED BY OLDCASTLE PRECAST: OLDCASTLE PRECAST NEW ENGLAND AVON PLANT (860) 673-3291 151 FARMS ROAD AVON, CT 06001-2253

NOTES:

- BACKFILL CULVERT(S) WITH 12" NATURAL SUBSTRATE MATERIAL MATCHING THE UPSTREAM AND DOWNSTREAM STREAMBED SUBSTRATE. MATERIAL TO BE OBTAINED DURING EXCAVATION PRIOR TO INSTALLATION OF CULVERT AND SAVED REUSE.
- CULVERT TO BE OF SUFFICIENT STRENGTH TO WITHSTAND H2O LOADING UNDER THE CONFIGURATION SHOWN (6" COVER), REFER TO ASTM C1433.
- CULVERT TO HAVE "SLAB" TOP TO FACILITATE BACKFILLING WITH NATURAL SUBSTRATE.
- CULVERT TO BE PRECAST UNIT DESIGNED AND FURNISHED BY OLDCASTLE PRECAST: OLDCASTLE PRECAST NEW ENGLAND AVON PLANT (860) 673-3291 151 FARMS ROAD AVON, CT 06001-2253



SBA TOWERS III LLC
5900 BROKEN SOUND
PARKWAY, NW
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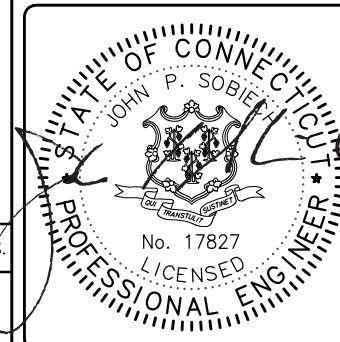
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DRAWN BY:	JDM
CHECKED BY:	PAL

REVISIONS

NO.	DATE	DESCRIPTION
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PROJECT No.
15363-1054-43000

SITE NAME:
BRIDGEWATER

SITE NUMBER:
CT 11934

SITE ADDRESS:
WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752

DESIGN TYPE:
RAW LAND

SHEET TITLE:
SITE DETAILS

DRAWING NO. C-11	REVISION: A
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NOTE:

LINES SHOWN DO NOT REPRESENT THE EXACT LOCATION OF THE CONDUIT RUNS CONTRACTOR TO VERIFY SERVICE LOCATIONS w/ACTUAL FIELD CONDITIONS.

GENERAL ELECTRICAL NOTES

- 1.) ALL ELECTRICAL WORK SHALL CONFORM TO NATIONAL ELECTRIC CODE, LATEST ADOPTED EDITION, AND LOCAL CODES.
- 2.) ALL ELECTRICAL MATERIALS, EQUIPMENT AND INSTALLATION PROCEDURES TO CONFORM WITH SBA SPECIFICATIONS.
- 3.) CONTRACTOR SHALL PERFORM ALL VERIFICATION TESTS AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ENGINEER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT & DISCREPANCIES.
- 4.) ELECTRICAL PLANS, DETAILS, AND DIAGRAMS ARE DIAGRAMMATIC ONLY. FIELD CONDITIONS DICTATE THE AMOUNT AND LOCATION OF EQUIPMENT.
- 5.) ALL MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, NFPA, AND "UL" LISTED.
- 6.) THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY THE NEC, AND ALL APPLICABLE LOCAL CODES.
- 7.) ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE A MINIMUM INTERRUPTING RATING GREATER THAN THE UTILITY FAULT CURRENT.
- 8.) FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO VENDOR PRINTS AND INSTRUCTIONS.
- 9.) PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
- 10.) PROVIDE SBA WITH ONE SET OF COMPLETE ELECTRICAL "AS-BUILT" DRAWINGS AT THE COMPLETION OF THE JOB SHOWING ACTUAL ROUTINGS AND WIRING CONNECTIONS.
- 11.) LABEL ALL ELECTRICAL EQUIPMENT PER SBA SPECIFICATIONS.
- 12.) ALL SINGLE-PHASE SELF-CONTAINED METER CONNECTION DEVICES MUST INCLUDE HORN TYPE BY-PASS PROVISION SO THAT SERVICE WILL NOT BE INTERRUPTED WHEN A METER IS REMOVED FROM THE SOCKET.
- 13.) ALL EQUIPMENT PUNCH OUTS AND CONDUITS (USED AND SPARE) TO BE "RODENT PROOFED" WITH CAPS, STEEL MESH, AND/OR FOAM FILL BY CONTRACTOR (AS NEEDED).
- 14.) ALL INTERIOR CONDUITS AND BUSHINGS SHALL BE EMT. ALL EXTERIOR SHALL BE PVC UNLESS NOTED OTHERWISE. SEE SBA SPECIFICATIONS.
- 15.) NO SPOILS TO BE LEFT ON SITE WITHOUT THE WRITTEN CONSENT OF THE LANDOWNER
- 16.) CONTRACTOR TO PROVIDE 2 PHENOLIC LABELS AT METER. ONE TO IDENTIFY "SBA DISCONNECT" AND THE OTHER TO GIVE SITE ADDRESS.



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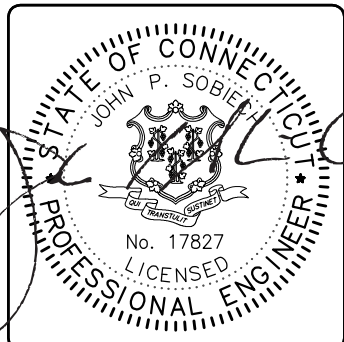


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CHECKED BY:	PAL

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NO.	DATE	DESCRIPTION
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06/22/12		ISSUED FOR CONSTRUCTION

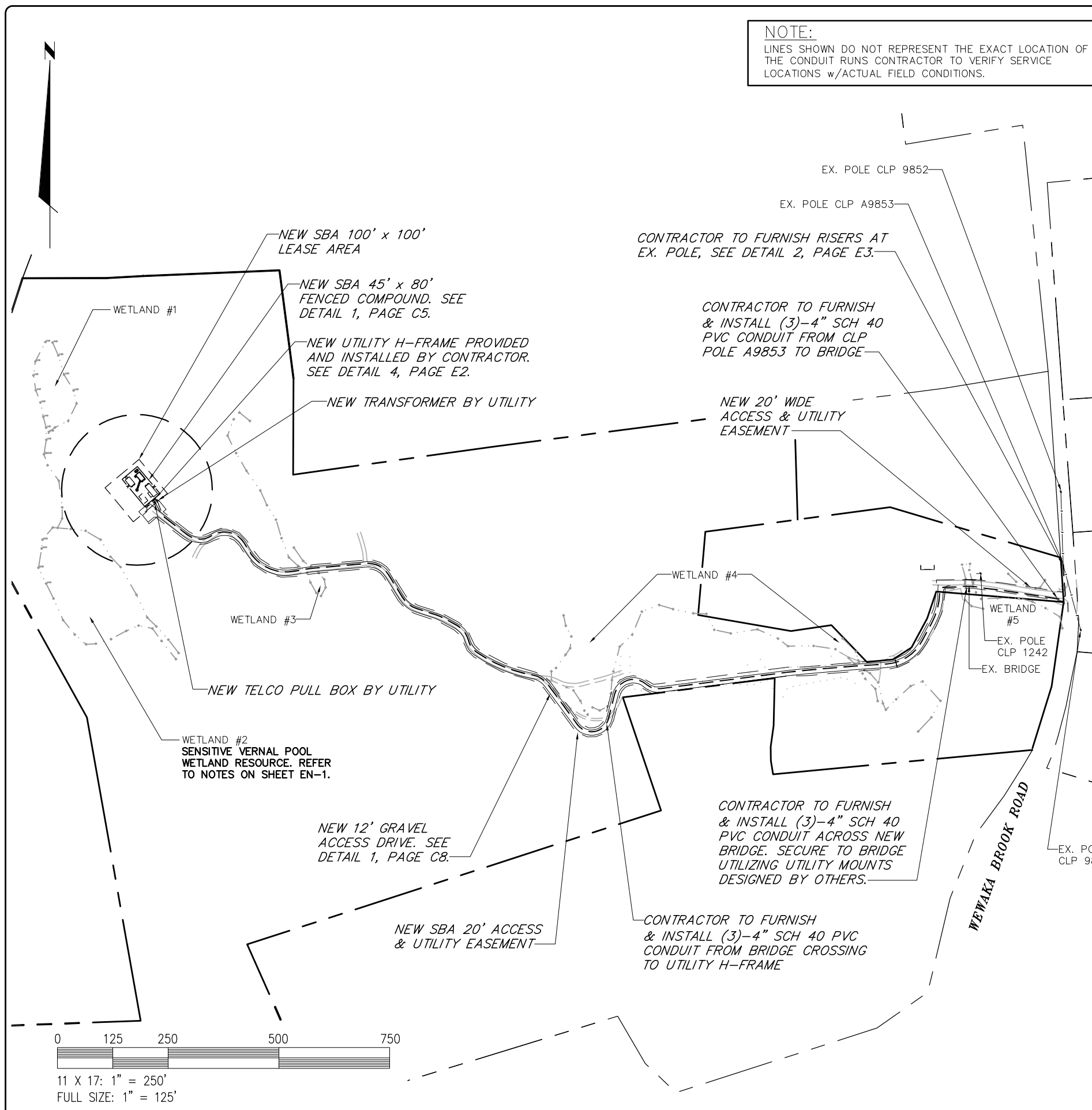


CODES AND STANDARDS

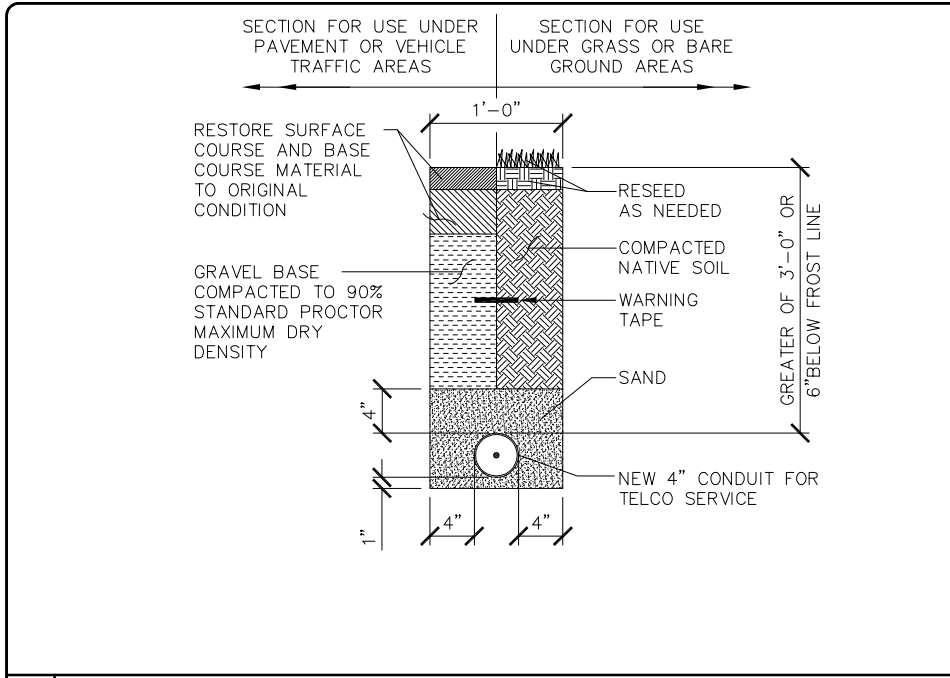
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
 NEC NATIONAL ELECTRICAL CODE, LATEST ADOPTED EDITION
 NEMA NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
 NFPA NATIONAL FIRE PROTECTION ASSOCIATION
 UL UNDERWRITERS LABORATORIES, INC.

UTILITY PROVIDE INFORMATION

TELEPHONE COMPANY: AT&T 1441 NORTH COLONY ROAD, MERIDEN, CT CONTACT: UNKNOWN PHONE: (203) 420-3131	POWER COMPANY: CL&P 107 SELDEN STREET, BERLIN, CT CONTACT: UNKNOWN PHONE: (860) 947-2000
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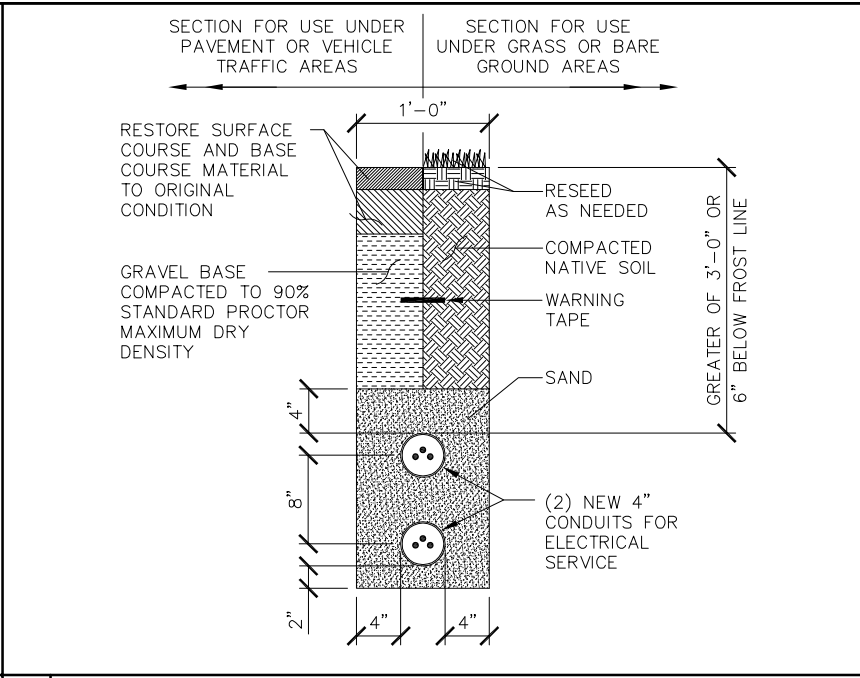


PROJECT No. 15363-1054-43000	
SITE NAME: BRIDGEWATER	
SITE NUMBER: CT 11934	
SITE ADDRESS: WEWAKA BROOK ROAD BRIDGEWATER, CT 06752	
DESIGN TYPE: RAW LAND	
SHEET TITLE: UTILITY SITE PLAN	
DRAWING NO. E-1	REVISION: A



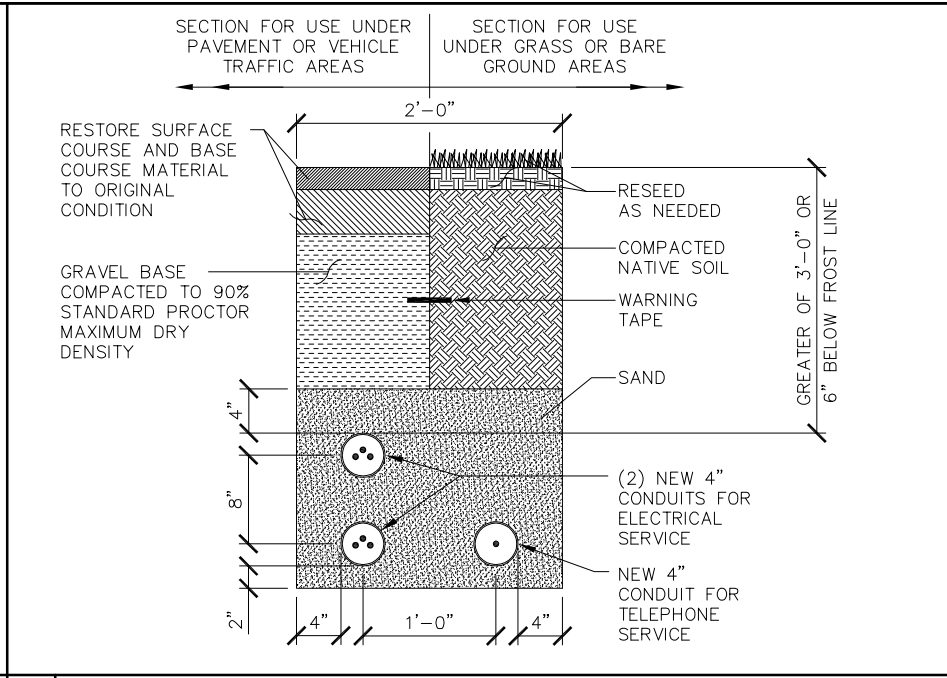
1 TELEPHONE TRENCH DETAIL

SCALE: N.T.S.



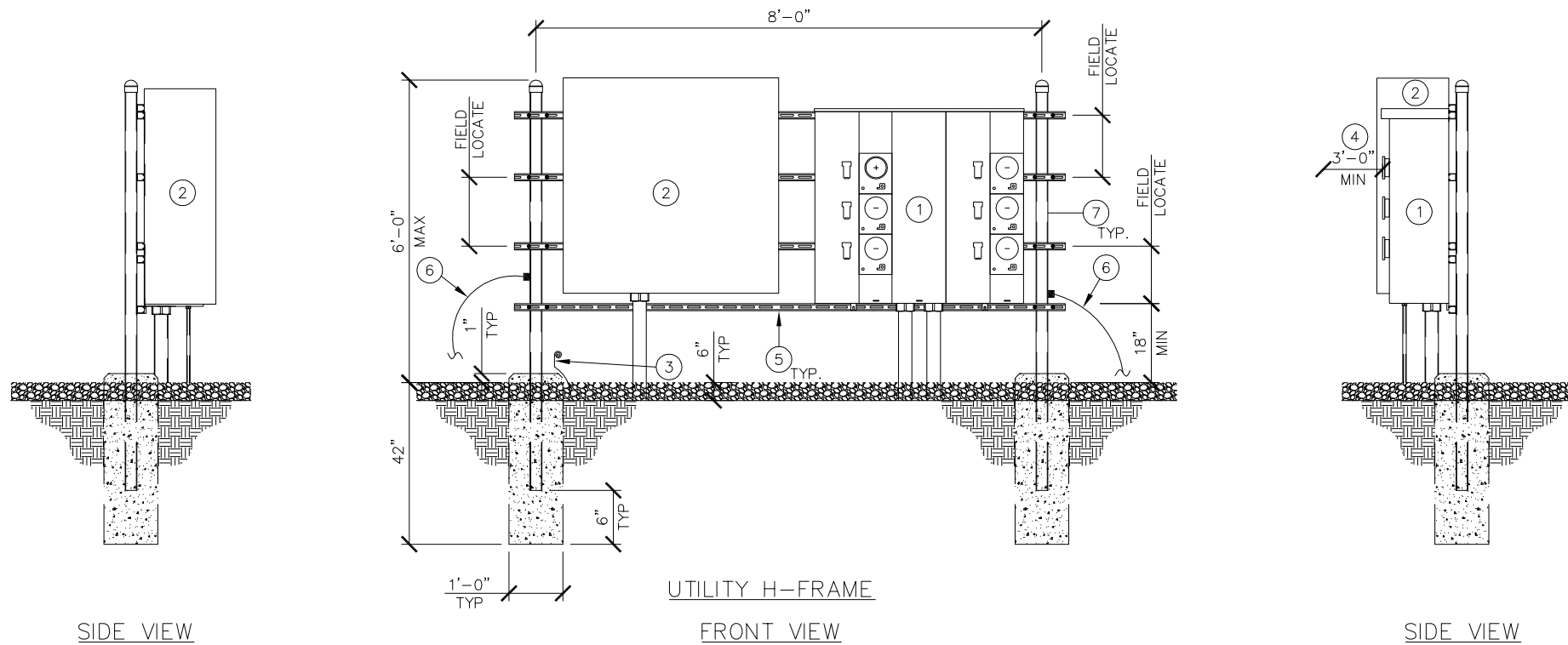
2 ELECTRICAL TRENCH DETAIL

SCALE: N.T.S.



3 JOINT UTILITY TRENCH DETAIL

SCALE: N.T.S.



BALLOON REFERENCE NOTES:

- ① 800A, 120/240V, 1 PHASE, 3 WIRE, 6 POSITION METERING CENTER (200A MAX CIRCUIT BREAKER) (SQUARE D METER PAK MPR86200, OR EQUAL)
- ② 36" x 36" x 12" NEMA 3R ENCLOSURE HOFFMAN A-36R3612HCR OR EQUAL
- ③ 6' #6 GROUND WIRE COILED AT POST. CONNECT TO GROUNDING SYSTEM
- ④ CONTRACTOR TO MAINTAIN 3'-0" MINIMUM CLEARANCE FROM METERING CENTER TO NEAREST OBSTRUCTION
- ⑤ HORIZONTAL SUPPORT MEMBER (UNISTRUT P1000, OR APPROVED EQUAL)
- ⑥ #2 AWG BARE SOLID TINNED COPPER WIRE ROUTED TO GROUNDING SYSTEM (TYP. EACH LEG)
- ⑦ 3" NOMINAL GALVANIZED STEEL PIPE WITH PIPE CAP

4 UTILITY & TELCO H-FRAME DETAIL

SCALE: N.T.S.

SBA
SBA TOWERS III LLC
5900 BROKEN SOUND
PARKWAY, NW
BOCA RATON, FL 33487-2797
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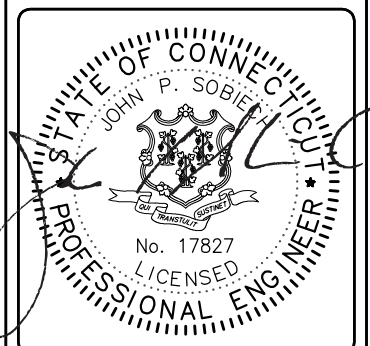
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CHECKED BY:	PAL

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SITE ADDRESS:	WEWAKA BROOK ROAD BRIDGEWATER, CT 06752
DESIGN TYPE:	RAW LAND

SHEET TITLE:
UTILITY DETAILS

DRAWING NO.	REVISION:
E-2	A



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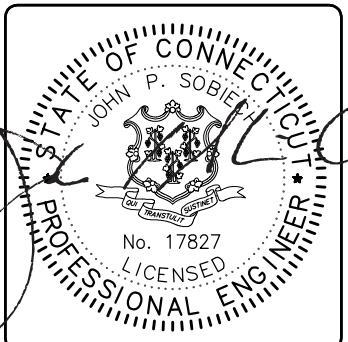


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BRIDGEWATER, CT 06752

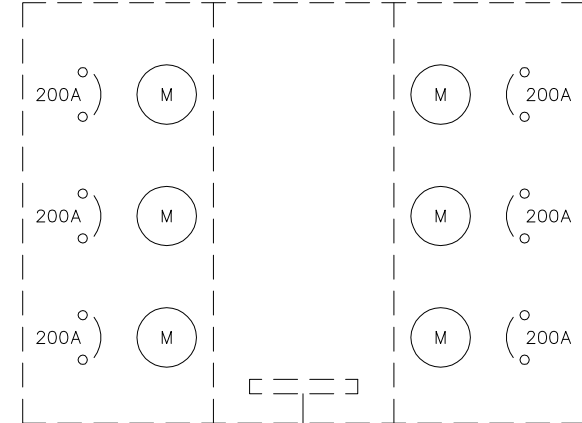
DESIGN TYPE:
RAW LAND

SHEET TITLE:
SINGLE LINE DIAGRAM
& PANEL SCHEDULE

DRAWING NO. E-3	REVISION: A
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EXISTING
UTILITY
POLE CLP
A9853

METERING CENTER, 800A, 120/240V, 1 PHASE



HOFFMAN ENCLOSURE

UTILITY CO.
TRANSFORMER

TELEPHONE
CABINET,
PEDESTAL,
OR PULL
BOX AS
REQUIRED

BRIDGE CROSSING
(DESIGNED BY OTHERS)

NEW RISERS ON EXISTING POLE

(2) SETS (3) 500 KCMIL CU
IN (2) 4" SCH. 40 PVC
CONDUITS

(1) 3" SCH. 40 PVC CONDUIT EACH W/ (2) 200LB POLYETHYLENE
CORD PULL STRINGS FOR POWER

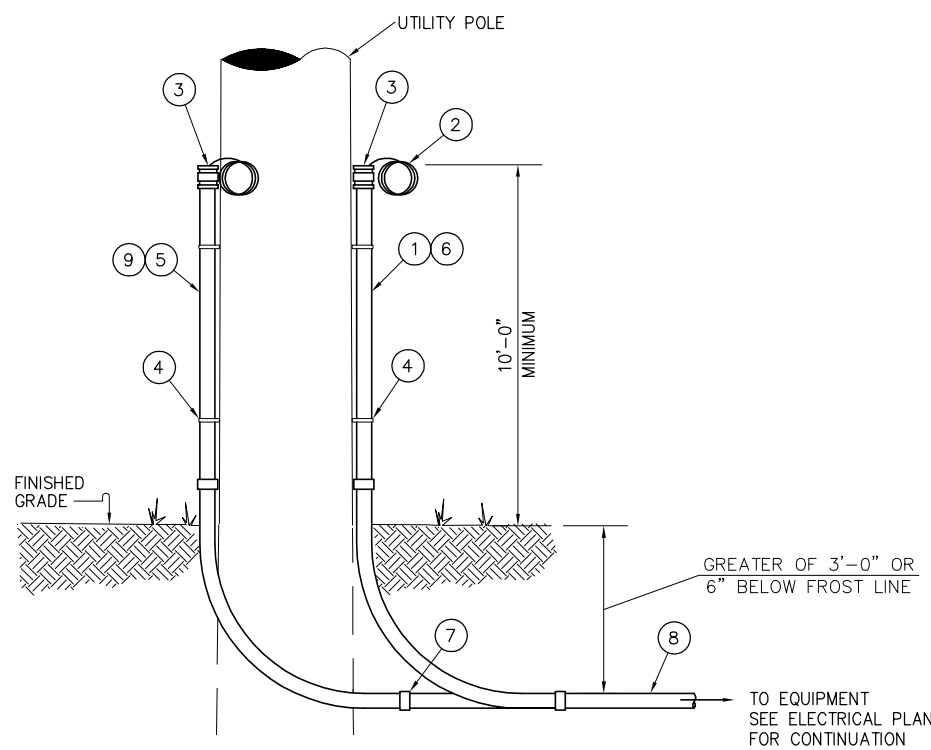
(2) 4" SCH. 40 PVC CONDUIT W/ (2) 200LB POLYETHYLENE CORD PULL STRINGS

(2) 4" SCH. 40 PVC CONDUIT W/ (2) 200LB POLYETHYLENE CORD PULL
STRINGS FOR TELEPHONE

BRIDGE UTILITY MOUNTS
(DESIGNED BY OTHERS)

1 ELECTRICAL SINGLE-LINE DIAGRAM

SCALE: N.T.S.



NOTES

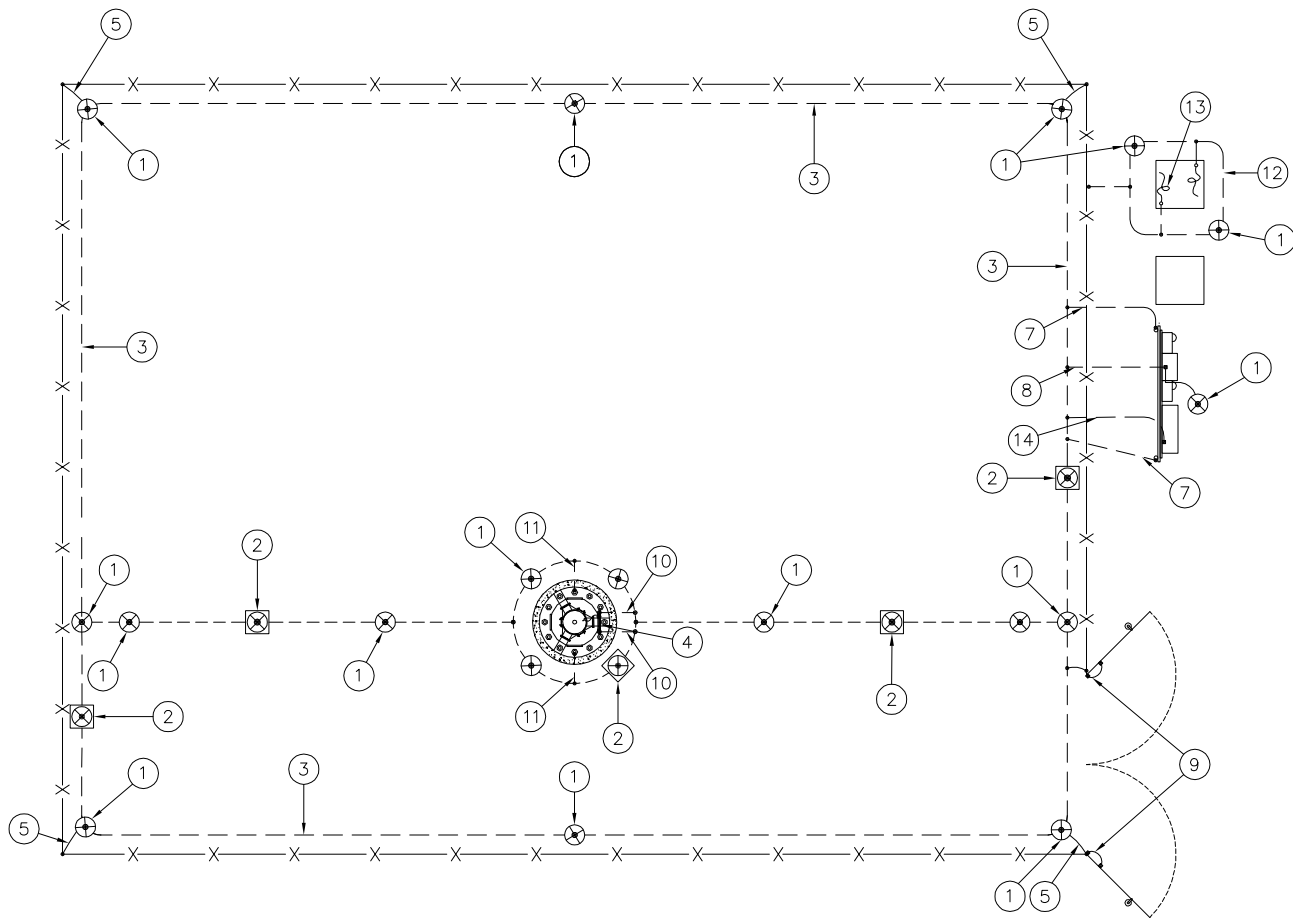
- BOND ALL METAL OBJECTS TO POLE GROUNDING SYSTEM.
- COORDINATE ALL INSTALLATIONS TO UTILITY POLE WITH UTILITY CO.

SERVICE POLE CODED NOTES

- ELECTRICAL SERVICE CONDUIT SIZE, QUANTITY AS INDICATED ON ELECTRICAL SITE PLAN.
- PROVIDE SUFFICIENT CABLE TO REACH A MINIMUM 36" ABOVE TERMINATION LOCATIONS.
- PROVIDE INSULATING BUSHING. USE DUCT SEAL TO MAKE WATERTIGHT.
- PIPE STRAPS, INSTALL AT NOT MORE THAN 2'-0" INTERVALS.
- TELEPHONE SERVICE CONDUIT WITH PULL WIRE. SIZE, QUANTITY AS INDICATED ON ELECTRICAL SITE PLAN.
- GALVANIZED RISER AND ELBOWS. SIZE AS INDICATED ON ELECTRICAL SITE PLAN.
- PVC ADAPTER. TYPICAL TELEPHONE AND POWER CONDUITS.
- DIRECT BURIED CONDUITS. SIZE, QUANTITY AND ROUTING AS INDICATED ON ELECTRICAL SITE PLAN.
- SCH. 40 PVC CONDUIT RISER AND ELBOWS. SIZE AS INDICATED ON ELECTRICAL SITE PLAN.

2 POLE RISER DETAIL

SCALE: N.T.S.

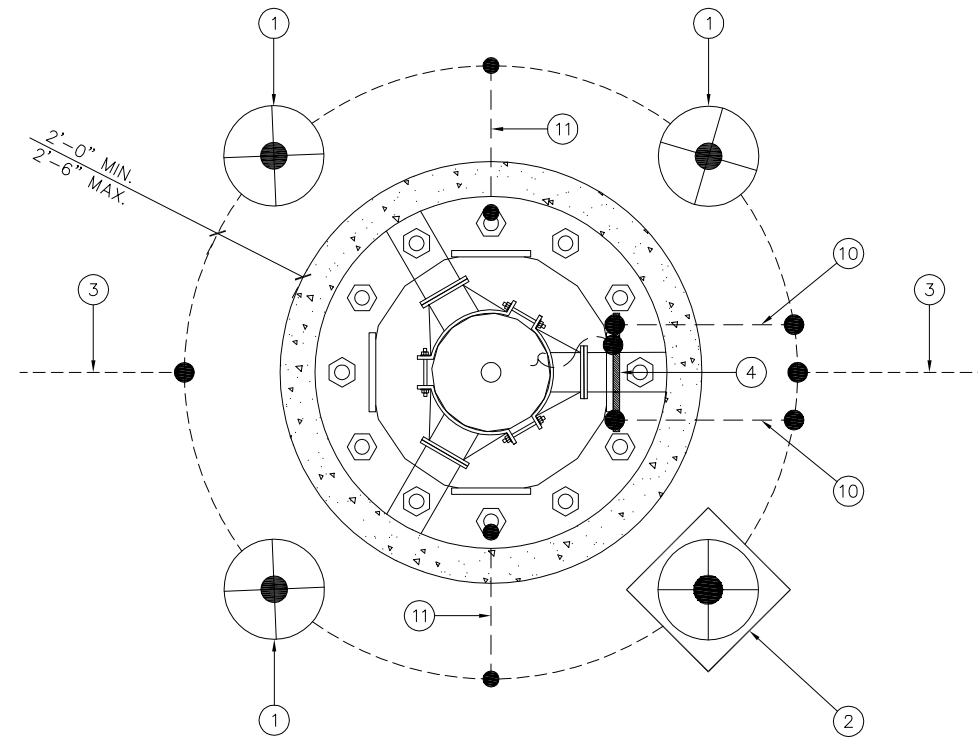


BALLOON REFERENCE NOTES:

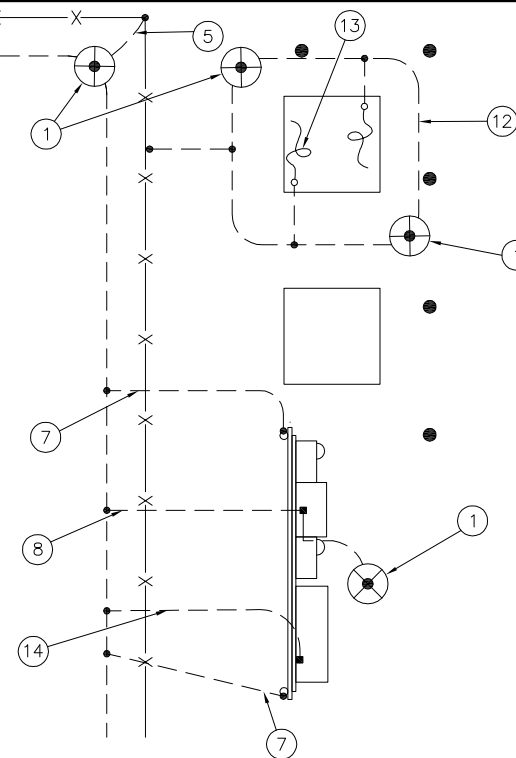
- | | |
|--|--|
| <p>① 5/8"~X8' COPPER CLAD GROUND ROD BURIED 36" BELOW GRADE (MIN.)</p> <p>② GROUND ROD ACCESS WELL (MIN. OF 4 EACH PER COMPOUND)</p> <p>③ #2 SOLID, TINNED, BARE COPPER WIRE GROUND RING (CONTINUOUS STRAND)</p> <p>④ 1/4"X4"X20" TINNED COPPER GROUND BAR. 2 TYP, AT BASE AND TOP OF TOWER. MOUNT DIRECT TO TOWER, DO NOT ISOLATE.</p> <p>⑤ #2 SOLID, TINNED, BARE COPPER WIRE GROUND LEAD TO FENCE CORNER POST.</p> <p>⑥ #2 SOLID, TINNED, BARE COPPER WIRE GROUND LEAD TO TELCO COMMON BOX</p> <p>⑦ #2 SOLID, TINNED, BARE COPPER WIRE GROUND LEAD TO UTILITY H-FRAME SUPPORT POST</p> <p>⑧ SERVICE ENTRANCE GROUND TO DEDICATED GROUND ROD</p> | <p>⑨ #2 INSULATED, STRANDED COPPER BOND STRAP FROM GATE FRAME TO GATE POST. (TYP EACH GATE)</p> <p>⑩ #2 SOLID, TINNED, BARE COPPER GROUND LEAD FROM GROUND BAR AT MONOPOLE BASE TO GROUND RING. ROUTE IN 3/4" FLEX CONDUIT AND WEATHERPROOF OPEN END. (2 TYPICAL)</p> <p>⑪ #2 SOLID, TINNED, BARE COPPER GROUND LEAD FROM MONOPOLE BASE TO GROUND RING. (2 TYPICAL, 180' SEPARATION)</p> <p>⑫ #2 SOLID, TINNED, BARE COPPER WIRE GROUND RING (CONTINUOUS STRAND) FOR UTILITY TRANSFORMER. PER NEC AND UTILITY COMPANY SPECIFICATIONS</p> <p>⑬ #2 SOLID, TINNED, BARE COPPER GROUND LEAD FROM UTILITY TRANSFORMER TO GROUND RING. (2 TYPICAL)</p> <p>⑭ #2 SOLID, TINNED, BARE COPPER WIRE FROM HOFFMAN BOX TO GROUND RING</p> |
|--|--|

1 SITE GROUNDING PLAN (TYP.)

SYMBOLS LEGEND



2 ENLARGED GROUNDING PLAN @ TOWER BASE (TYP.)



3 ENLARGED GROUNDING PLAN @ UTILITY & TELCO PEDESTAL



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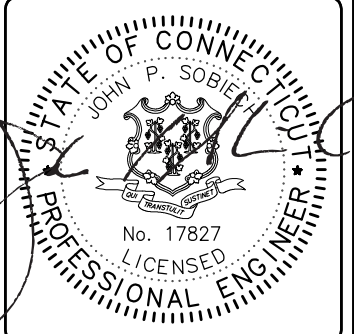


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CHECKED BY:	PAL

REVISIONS		
NO.	DATE	DESCRIPTION
△	06/22/12	ISSUED FOR CONSTRUCTION



PROJECT No.
15363-1054-43000

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BRIDGEWATER

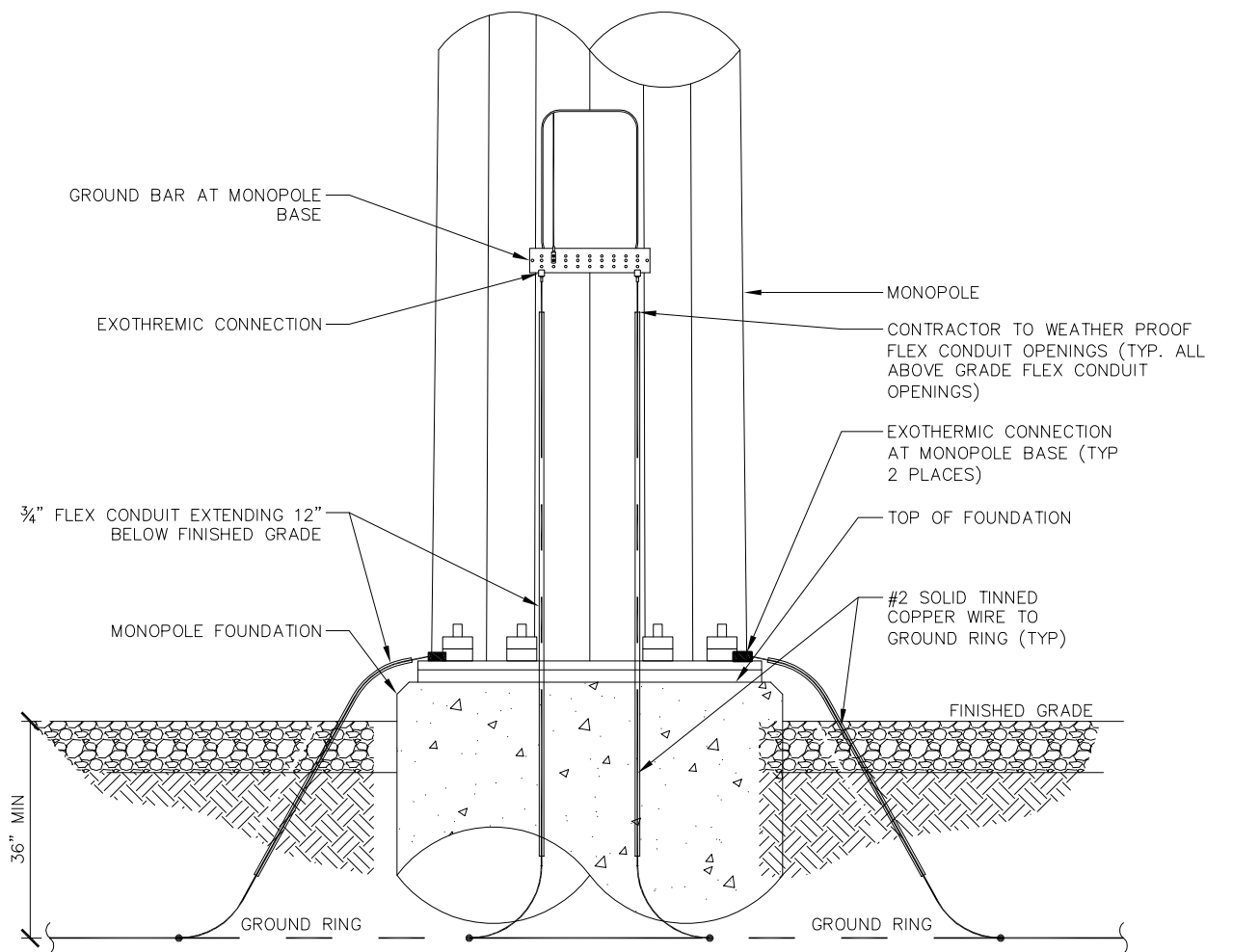
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CT 11934

SITE ADDRESS:
WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752

DESIGN TYPE:
RAW LAND

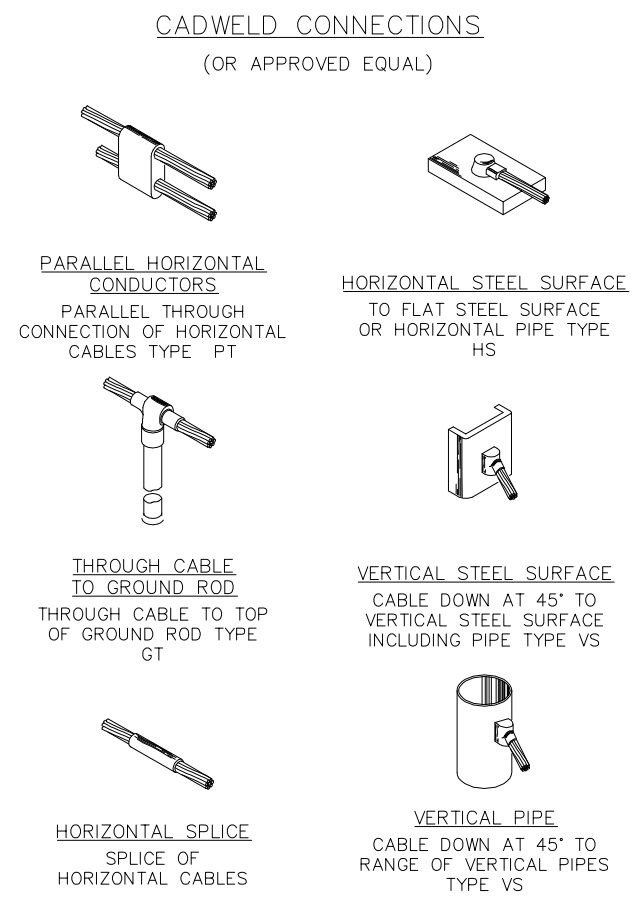
SHEET TITLE:
GROUNDING PLAN
& DETAILS

DRAWING NO. EG-1	REVISION: A
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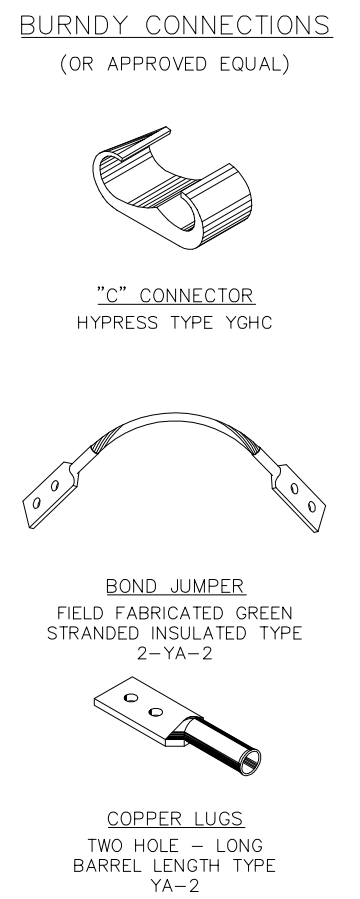
1 GROUNDING @ TOWER BASE

SCALE: N.T.S.



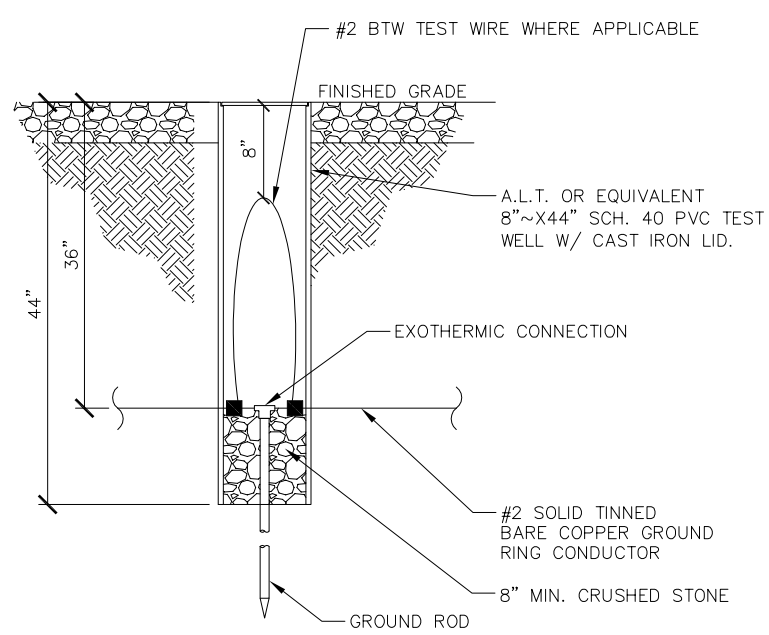
2 TYPICAL WELDING CONNECTIONS

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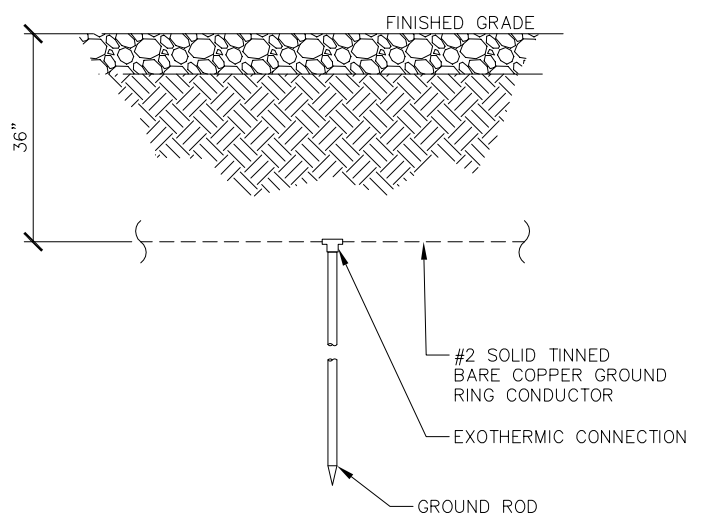
5 SINGLE-LINE DIAGRAM

SCALE: N.T.S.



3 ACCESS WELL DETAIL

SCALE: N.T.S.



4 GROUNDING ROD DETAIL

SCALE: N.T.S.

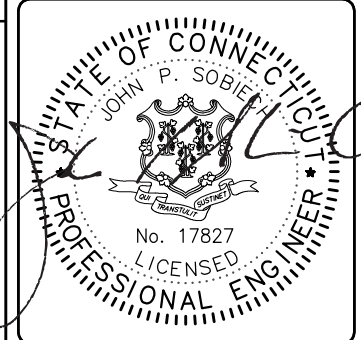
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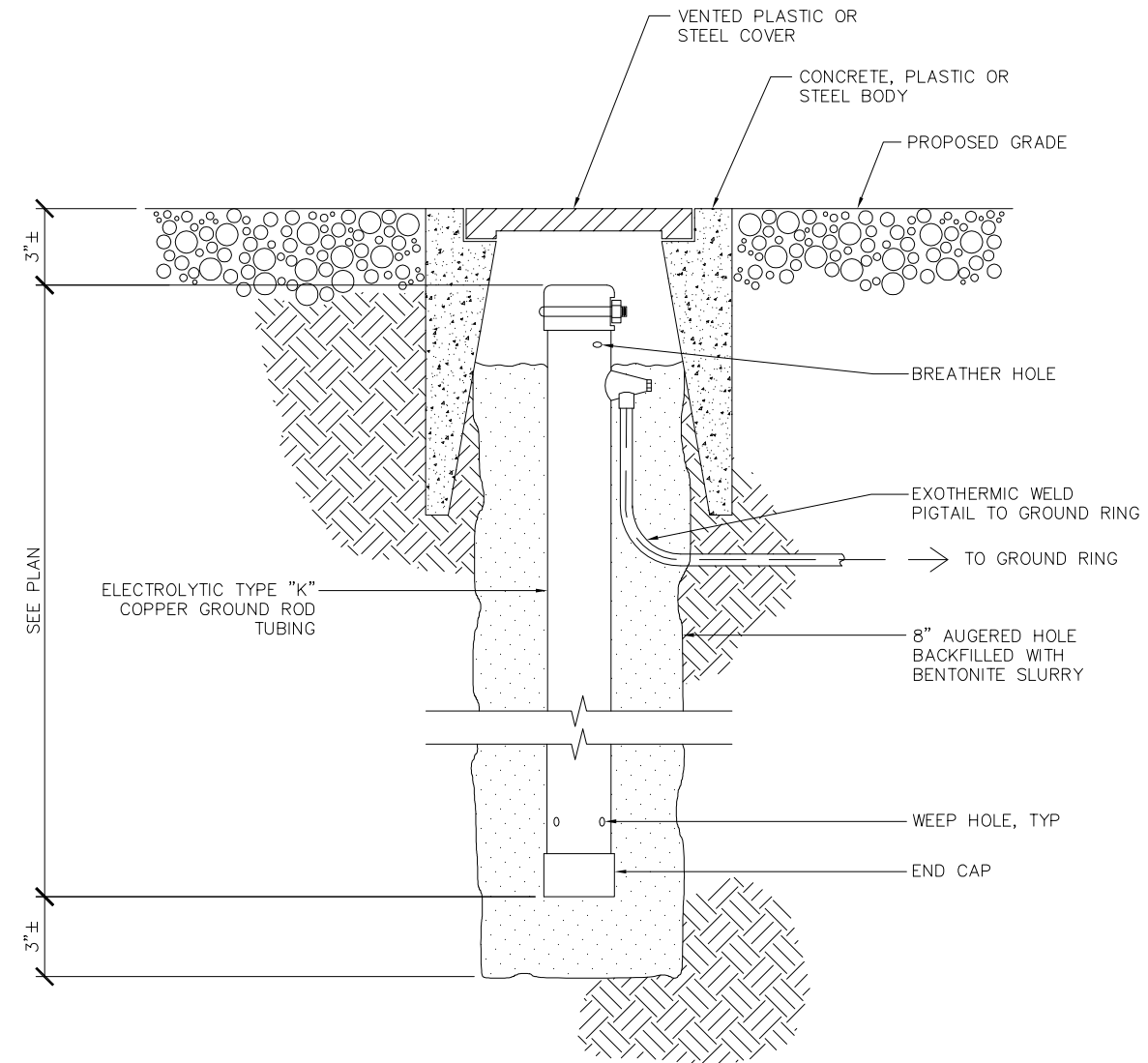
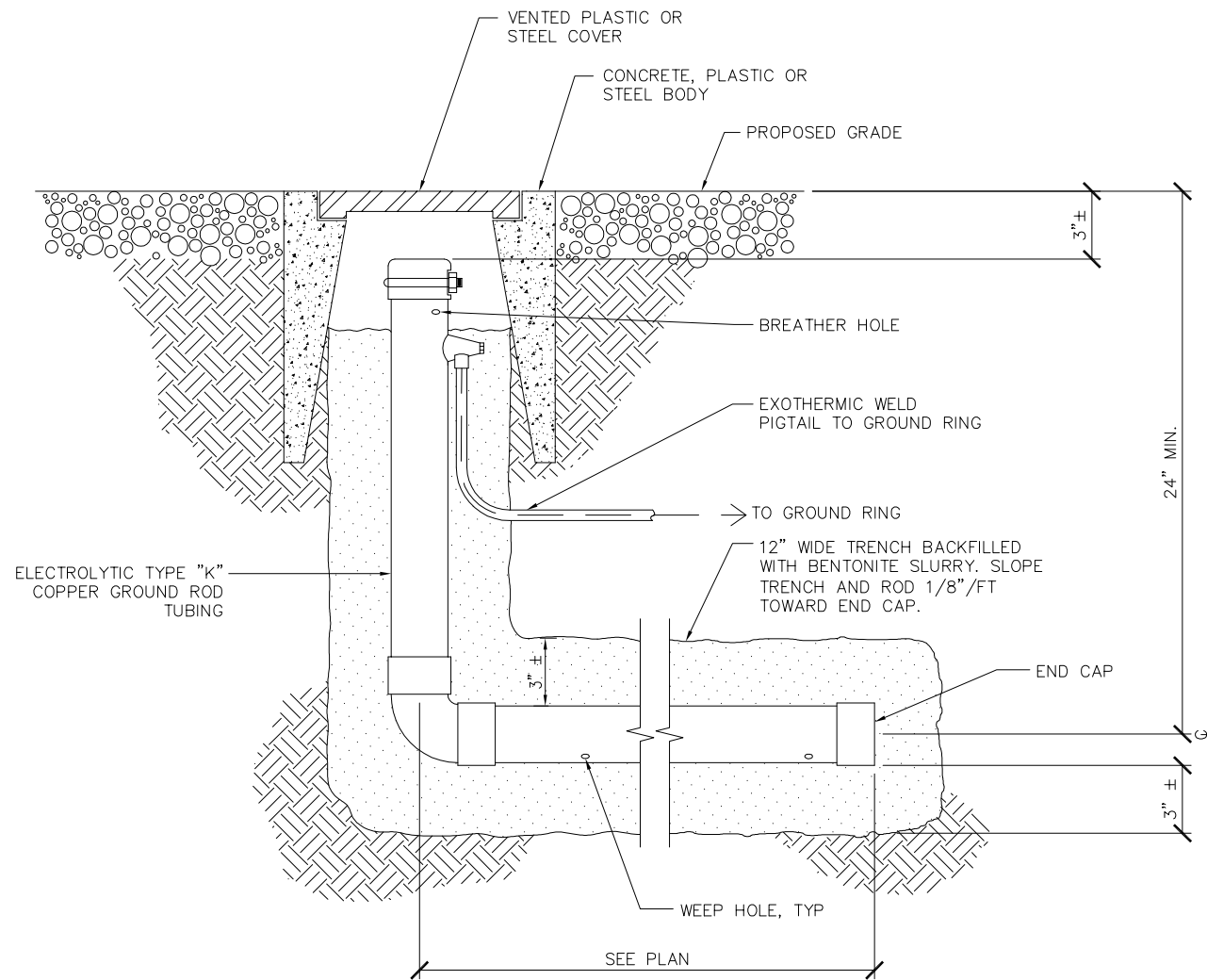
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BRIDGEWATER, CT 06752
DESIGN TYPE:
RAW LAND

SHEET TITLE:
GROUNDING DETAILS
DRAWING NO.
EG-2
REVISION:
A



1 XIT CHEMICAL GROUND DETAIL HORIZONTAL (WHEN REQUIRED)

SCALE: N.T.S.

2 XIT CHEMICAL GROUND DETAIL VERTICAL (WHEN REQUIRED)

SCALE: N.T.S.



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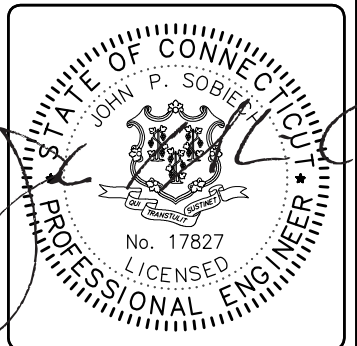


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SHEET TITLE:
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