

# SITE PLAN

## BREEZELINE UNCASVILLE CT

TAX MAP 30, BLOCK 89, LOT 00A  
**689 OLD COLCHESTER ROAD**  
**UNCASVILLE, CONNECTICUT**  
**JANUARY 10, 2023**

OWNER/APPLICANT ATLANTIC BROADBAND (CT) LLC (BREEZELINE)  
 2 BATTERYMARCH PARK, SUITE 205  
 QUINCY, MA 02169

SITE CIVIL ENGINEER CIVILWORKS NEW ENGLAND  
CIVIL ENGINEERING  
 181 Watson Road, P.O. Box 1166  
 Dover, New Hampshire 03820  
 (603) 749-0443

LAND SURVEYOR NORTH BY NORTHEAST  
 SURVEY AND MAPPING CONSULTANTS  
 183 ROBIN ROAD  
 GLASTONBURY, CT 06033  
 (203) 317-0570

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n/f  
 ROBERT C. ECCLESTON JR  
 #715 OLD COLCHESTER ROAD  
 VOLUME 610 PAGE 1013  
 TAX MAP 30 BLOCK 88 LOT 000

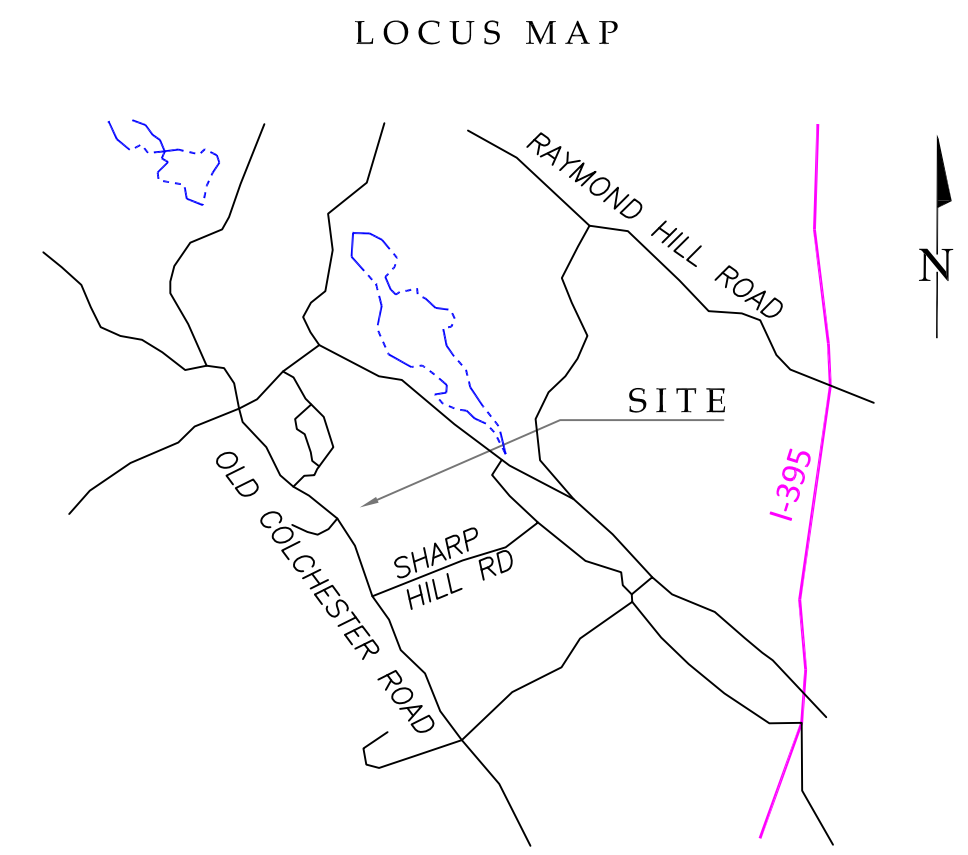
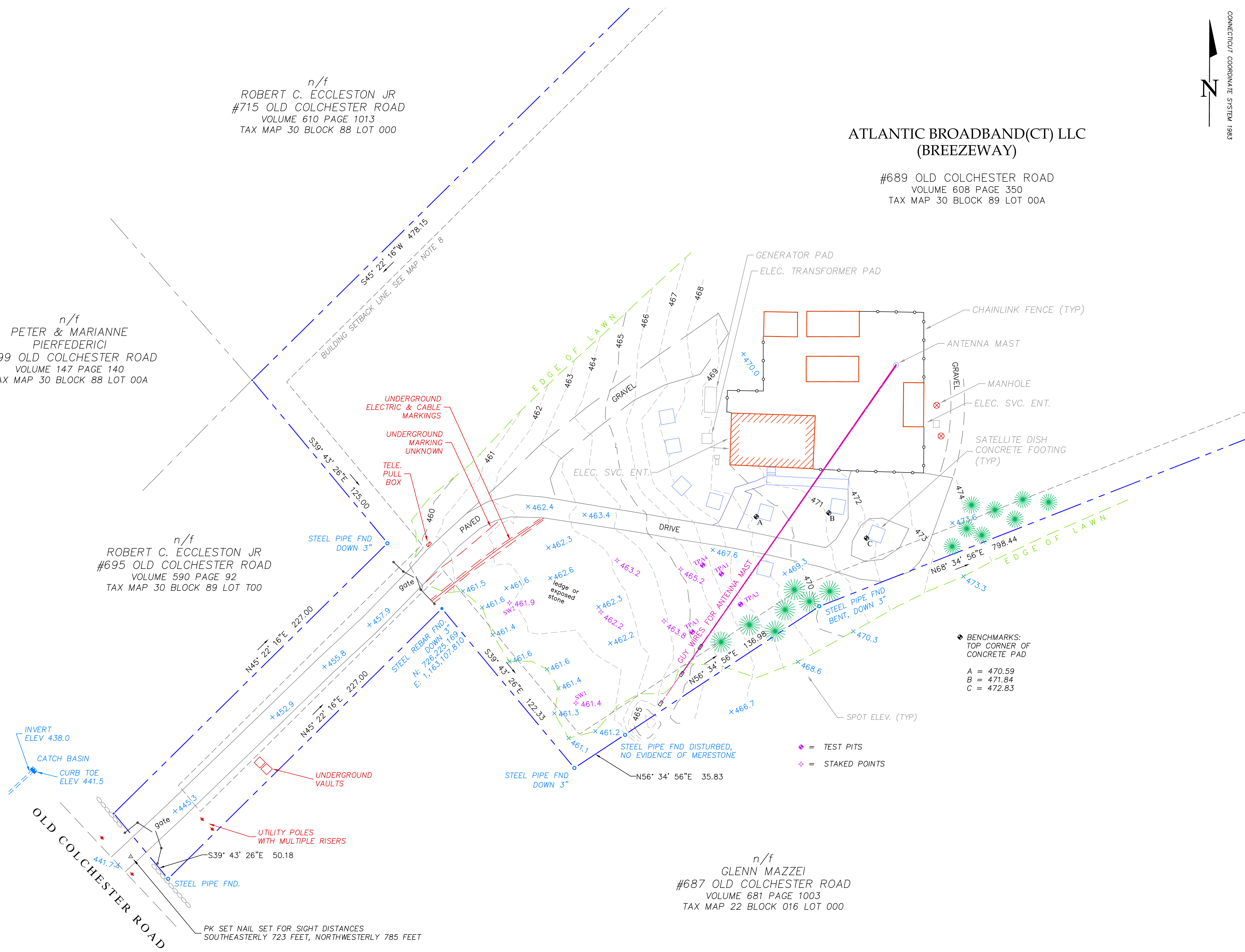
n/f  
 PETER & MARIANNE  
 PIERFEDERICI  
 #699 OLD COLCHESTER ROAD  
 VOLUME 147 PAGE 140  
 TAX MAP 30 BLOCK 88 LOT 00A

n/f  
 ROBERT C. ECCLESTON JR  
 #695 OLD COLCHESTER ROAD  
 VOLUME 590 PAGE 92  
 TAX MAP 30 BLOCK 89 LOT 000

n/f  
 GLENN MAZZEI  
 #687 OLD COLCHESTER ROAD  
 VOLUME 681 PAGE 1003  
 TAX MAP 22 BLOCK 016 LOT 000

**ATLANTIC BROADBAND(CT) LLC  
 (BREEZEWAY)**

#689 OLD COLCHESTER ROAD  
 VOLUME 608 PAGE 350  
 TAX MAP 30 BLOCK 89 LOT 00A



**MAP NOTES:**

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1996.
2. THE BOUNDARY DETERMINATION CATEGORY IS RESURVEY.
3. THE INTENT OF THIS MAP IS TO DEPICT TOPOGRAPHIC DETAIL AND BOUNDARY INFORMATION FOR A PROPOSED BUILDING NEAR THE EXISTING BUILDING AND SATELLITE DISHES
4. THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM 1983 (NAD83), CONNECTICUT COORDINATE SYSTEM 1983
5. THE VERTICAL DATUM IS NAVD88, CONTOUR INTERVAL IS 1 FOOT
6. TOPOGRAPHIC ACCURACY STANDARD OF T-2
7. THE LOCATION OR EXISTENCE OF UNDERGROUND UTILITIES HAS NOT BEEN VERIFIED.
8. PARCEL IS ZONED R40 WITH THE FOLLOWING BUILDING SETBACKS: FRONT YARD 40FT, SIDE YARD 15FT & REAR YARD 40'.
9. REVISED 12/30/2022 TO INCLUDE TEST PITS, BUILDING STAKES, DRAINAGE AND SIGHT DISTANCES

**MAP REFERENCES:**

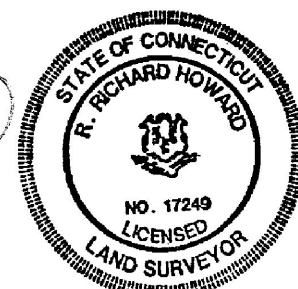
1. "PLAN SHOWING BOUNDARY PORTION OF PROPERTY OF EMILIO & ANGELA BELLUCCI OLD COLCHESTER ROAD MONTVILLE, CONNECTICUT SCALE: 1"=40' SEPTEMBER 1972" BY DECESARE-BENTLEY-WELLING ENGRS. INC. GROTON-NORWICH, CONNECTICUT - M.L.R. MAP NO 390-B

◆ BENCHMARKS:  
 TOP CORNER OF  
 CONCRETE PAD  
 A = 470.59  
 B = 471.84  
 C = 472.83

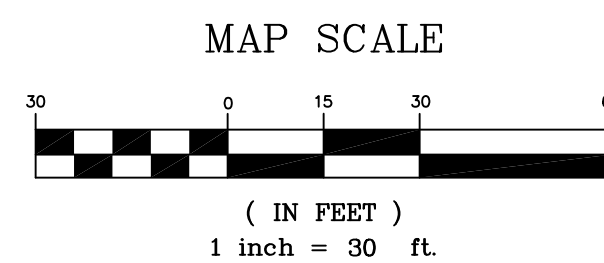
◆ = TEST PITS  
 ✦ = STAKED POINTS

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS  
 SUBSTANTIALLY CORRECT AS NOTED HEREON.

*R. Richard Howard*  
 R. RICHARD HOWARD CT. PLS No.17249



**North by Northeast**  
 Survey and Mapping Consultants  
 Glastonbury Connecticut



**Limited Property &  
 Topographic Survey  
 for  
 Breezeline  
 689 Old Colchester Road  
 Town of Montville  
 New London County  
 State of Connecticut**

**North by Northeast  
 Survey and Mapping Consultants  
 183 Robin Road, Glastonbury CT.  
 December 6, 2022**



**SITE PLAN NOTES**

- ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF MONTVILLE AND STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS IN THE ABOVE REFERENCED HIERARCHY. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
- THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL TOWN CONSTRUCTION PERMITS AS APPLICABLE, INCLUDING DOT PERMITS AND SEWER AND WATER CONNECTION PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- REFER TO OTHER PLANS, DETAILS AND NOTES FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE SITE ENGINEER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BIDDING. ANY CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE CONFIRMED WITH THE LOCAL CONSTRUCTION MANAGER PRIOR TO BIDDING.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS AND PLAN SPECIFICATIONS TO THE OWNER AND SITE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE EROSION CONTROL PLAN.
- THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF BUILDING
- SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
- DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
- ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURBS OR EDGE OR PAVING UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF THE STRUCTURE.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS, FENCES, TRAFFIC CONTROLLERS AND UNIFORMED TRAFFIC OFFICERS AS REQUIRED, ORDERED BY THE ENGINEER OR REQUIRED BY THE LOCAL GOVERNING AUTHORITIES.
- REFER TO DETAIL SHEETS FOR PAVEMENT, CURBING, AND SIDEWALK INFORMATION.
- TRAFFIC CONTROL SIGNAGE SHALL CONFORM TO THE STATE DOT STANDARD DETAIL SHEETS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. SIGNS SHALL BE INSTALLED PLUMB WITH THE EDGE OF THE SIGN 2' OFF THE FACE OF THE CURB, AND WITH 7' VERTICAL CLEARANCE UNLESS OTHERWISE DETAILED OR NOTED.
- THE CONTRACTOR SHALL ABIDE BY ALL OSHA FEDERAL STATE AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE PAINT MIXTURE PRIOR TO STRIPING.
- PAVEMENT MARKING KEY:
 

4" SYDL	4" SOLID YELLOW DOUBLE LINE
4" SYL	4" SOLID YELLOW LINE
4" SWL	4" SOLID WHITE LINE
12" SWSB	12" SOLID WHITE STOP BAR
4" BWL	4" BROKEN WHITE LINE 10' STRIPE 30' SPACE
- PARKING SPACES SHALL BE STRIPED WITH 4" SWL; HATCHED AREA SHALL BE STRIPED WITH 4" SWL AT A 45° ANGLE, 2' ON CENTER. HATCHING SYMBOLS, AND STRIPING FOR HANDICAPPED SPACES SHALL BE PAINTED BLUE. OTHER MARKINGS SHALL BE PAINTED WHITE OR AS NOTED.
- THE CONTRACTOR SHALL RESTORE ANY DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS OR SIGNAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF CONSTRUCTION.
- THE ARCHITECT OR ENGINEER IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ARCHITECT AND ENGINEER HAVE NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OR TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
- THE CONTRACTOR SHALL COMPLY WITH CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
- ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, SITE ENGINEER, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING PROCESS.
- INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT "811" AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
- PAVEMENT MARKINGS SHALL BE HOT APPLIED TYPE IN ACCORDANCE WITH CT DOT FORM 817, UNLESS WHERE EPOXY RESIN PAVEMENT MARKINGS ARE INDICATED.
- AN EROSION CONTROL BOND IS REQUIRED TO BE POSTED BY THE CONTRACTOR BEFORE THE START OF ANY ACTIVITY ON OR OFF SITE.
- THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.
- THE SITE IS PROPOSED TO BE SERVICED BY PRIVATE WELL AND SEPTIC.
- THE APPLICANT WILL PROVIDE AND MAINTAIN ADEQUATE SIGHT DISTANCES AT ALL DRIVEWAY INTERSECTIONS. CURRENT STATE OF CONNECTICUT HIGHWAY DESIGN STANDARDS WILL APPLY TO REQUIRED SIGHT DISTANCES.
- THE CONTRACTOR WILL CONTROL DUST AND DEBRIS ON THE SURROUNDING ROADWAYS DURING CONSTRUCTION. PROPER SAFETY PRECAUTIONS AND EQUIPMENT ARE TO BE UTILIZED WHEN WORKING ON PUBLIC ROADWAYS AND ARE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE.
- THE APPLICANT MUST COMPLY WITH CONNECTICUT DEPARTMENT OF TRANSPORTATION STIPULATIONS/REGULATIONS WHEN APPLICABLE.
- ALL DISTURBED PAVEMENT MARKINGS MUST BE REPLACED WITH EPOXY PAINT.

**GRADING AND DRAINAGE NOTES**

**GRADING GENERAL NOTES:**

- SEE THIS PLAN SHEET FOR ADDITIONAL SITE PLAN AND GENERAL NOTES.
- THE GRADING AND DRAINAGE PLAN IS INTENDED TO DESCRIBE GRADING AND DRAINAGE ONLY. REFER TO SITE PLAN FOR GENERAL INFORMATION, AND DETAIL SHEETS FOR DETAILS. SEE MEP DRAWINGS FOR BUILDING CONNECTION LOCATIONS AND DETAILS.
- THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. REFER TO EROSION CONTROL PLAN FOR LIMIT OF DISTURBANCE AND NOTES.
- TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY GOVERNMENT AND LOCAL AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL MUNICIPALITIES REQUIRED TO PERFORM ALL REQUIRED WORK, INCLUDING FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS FENCES AND UNIFORMED TRAFFIC CONTROLLERS AS REQUIRED, ORDERED BY THE ENGINEER OR REQUIRED BY THE STATE AND LOCAL GOVERNING AUTHORITIES.
- UNDERDRAINS SHALL BE ADDED, IF DETERMINED NECESSARY IN THE FIELD BY THE DESIGN OR TOWN ENGINEER.
- VERTICAL DATUM IS NVGD 1988.
- CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED PRIOR TO THE START OF WORK ON THE SITE.
- PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILTING OF ANY WATERCOURSE OR WETLANDS IN ACCORDANCE WITH THE REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL & ENERGY PROTECTION GUIDELINES FOR SOIL EROSION AND SEDIMENT POLLUTION CONTROL. IN ADDITION, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE "EROSION CONTROL PLAN" CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY THE LOCAL MUNICIPALITIES, OR SOIL CONSERVATION SERVICE WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
- ALL SITE WORK, MATERIALS OR CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK, STORM DRAINAGE AND UTILITY WORK SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 UNLESS OTHERWISE STATED IN THE PROJECT MANUAL SPECIFICATIONS. ALL FILL MATERIALS UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE SPECIFICATIONS, AND/OR PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE DOT, UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN 12" LIFTS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 3 +/- PERCENT OF OPTIMUM MOISTURE CONTENT.
- ALL DISTURBANCE INCURRED TO TOWN OR STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF MONTVILLE AUTHORITY AND STATE OF CONNECTICUT.
- ALL CONSTRUCTION SHALL COMPLY WITH THE LOCAL MUNICIPALITY'S STANDARDS AND STATE OF CONNECTICUT'S DOT SPECIFICATIONS. ALL CONSTRUCTION WITHIN A DOT RIGHT OF WAY SHALL COMPLY WITH ALL DEPARTMENT OF TRANSPORTATION STANDARDS. WHERE SPECIFICATIONS OR STANDARDS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION OR STANDARD SHALL BE SUPERIOR.

**PRODUCT NOTES:**

- SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF MATERIALS AND STRUCTURES FOR REVIEW AND APPROVAL PRIOR TO DELIVERY TO THE SITE. ALLOW 14 WORKING DAYS FOR REVIEW.
- POLY VINYL CHLORIDE PIPE (PVC) FOR STORM AND SANITARY PIPING SHALL HAVE BUILT-IN RUBBER GASKET JOINTS. PVC SHALL CONFORM TO ASTM D-3034 (DR305) WITH COMPRESSION JOINTS AND MOLDED FITTINGS. PVC SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS; ASTM-D2321 AND MANUFACTURERS RECOMMENDED PROCEDURE.
- MANHOLE SECTIONS AND CONSTRUCTION SHALL CONFORM TO ASTM C-478.
- HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER 12" OR GREATER IN DIAMETER SHALL BE HI-Q SURE-LOK 10.8 PIPE AS MANUFACTURED BY HANCOR INC. OR APPROVED EQUAL. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL MEET THE REQUIREMENTS OF AASHTO M294. TYPE PIPE SECTIONS SHALL BE JOINED WITH BELL-AND-SPIGOT JOINT MEETING THE REQUIREMENTS OF AASHTOS. M294. THE BELL SHALL BE AN INTEGRAL PART OF THE PIPE AND PROVIDE A MINIMUM PULL-APART STRENGTH OF 400 POUNDS. THE JOINT SHALL BE WATERTIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212. GASKETS SHALL BE MADE OF POLYISOPRENE MEETING THE REQUIREMENTS OF ASTM F477. ALTERNATIVE HDPE PIPE MAY BE USED IF APPROVED BY THE ENGINEER AND CONSTRUCTION MANAGER PRIOR TO ORDERING.
- HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE HI-Q PIPE AS MANUFACTURED BY HANCOR INC. OR APPROVED EQUAL. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL MEET THE REQUIREMENTS OF AASHTO M294. TYPE PIPE SECTIONS SHALL BE JOINED WITH COUPLING BANDS OR EXTERNAL SNAP COUPLERS COVERING AT LEAST 2 FULL CORRUGATIONS ON EACH END OF THE PIPE. SILT-TIGHT (GASKET) CONNECTIONS SHALL INCORPORATE A CLOSED SYNTHETIC EXPANDED RUBBER GASKET. MEETING THE REQUIREMENTS OF AASHTO D1056 GRADE 2A2. GASKETS SHALL BE INSTALLED ON THE CONNECTION BY THE PIPE MANUFACTURER. ALTERNATIVE HDPE PIPE MAY BE USED IF APPROVED BY THE ENGINEER AND CONSTRUCTION MANAGER PRIOR TO ORDERING.

**GENERAL NOTES:**

- THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE SITE ENGINEER AND ARCHITECT IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS.
- DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN OVER SCALED DIMENSIONS.
- IF PLANS AND OR SPECIFICATIONS AR IN CONFLICT, THE MOST EFFECTIVE SHALL APPLY AS DETERMINED BY A LICENSED PROFESSIONAL AND APPROVED BY TOWN STAFF.
- ALL CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN COMPLETE DRAWING PLAN SETS FOR BIDDING AND CONSTRUCTION. PLAN SETS SHALL NOT BE DISASSEMBLED INTO PARTIAL PLAN SETS FOR USE BY CONTRACTORS AND SUBCONTRACTORS OF INDIVIDUAL TRADES. IT SHALL BE THE CONTRACTOR'S AND SUBCONTRACTOR'S RESPONSIBILITY TO OBTAIN COMPLETE PLAN SETS FOR USE IN BIDDING AND CONSTRUCTION.
- ALL NOTES AND DIMENSIONS DESIGNATED "TYPICAL" APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
- CONTRACTORS TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK AND BE RESPONSIBLE FOR COORDINATION OF SAME. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.

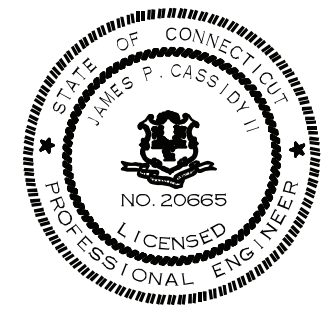

**UTILITIES NOTES**

**UTILITY CONSTRUCTION NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LOCAL MUNICIPALITIES TO SECURE PERMITS AND FOR PAYMENT OF FEES FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS FENCES AND UNIFORMED TRAFFIC CONTROLLERS AS REQUIRED, ORDERED BY THE ENGINEER OR REQUIRED BY THE LOCAL GOVERNING AUTHORITIES.
- THIS PLAN DETAILS SITE INSTALLED PIPES UP TO 5' FROM THE BUILDING FACE. REFER TO DRAWINGS BY OTHERS FOR BUILDING CONNECTION POINT OR AT EXISTING UTILITY OR PIPE CONNECTION POINT.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE SEWERS CROSS UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE SITE ENGINEER IN THE EVENT OF ANY DISCOVERED OR UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.
- UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY CO. AND TOWN STAFF REVIEW.
- THE CONTRACTOR SHALL ENSURE THAT ALL UTILITY COMPANIES AND TOWN STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET. THE CONTRACTOR SHALL PERFORM PROPER COORDINATION WITH THE RESPECTIVE UTILITY PROVIDER, MONTVILLE FIRE DISTRICT WATER DIVISION, MONTVILLE PUBLIC WORKS DEPARTMENT AND CONNECTICUT RIVER HEALTH DISTRICT.
- THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR SERVICE INSTALLATIONS AND CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY COMPANIES AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTION, REALLOCATIONS, INSPECTIONS, AND DEMOLITION.
- ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT. AFTER UTILITY INSTALLATION IS COMPLETED THE SITE CONTRACTOR SHALL INSTALL TEMPORARY OR PERMANENT PAVEMENT REPAIR AS DETAILED ON THE PLANS OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.
- SANITARY LATERAL SHALL MAINTAIN (10' MIN. HORIZONTAL 1.5' VERTICAL MIN.) SEPARATION DISTANCE FROM WATER LINES, OR ADDITIONAL PROTECTION MEASURES WILL BE REQUIRED WHERE PERMITTED.
- RELOCATION OF UTILITY COMPANY FACILITIES SUCH AS POLES, TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE FACILITY OWNERS.
- THE CONTRACTOR SHALL COMPACT THE PIPE BACKFILL IN 12" LIFTS ACCORDING TO THE PIPE BEDDING DETAILS. TRENCH BOTTOM SHALL BE STABLE IN HIGH GROUNDWATER AREAS. A PIPE FOUNDATION SHALL BE USED IN AREAS OF ROCK EXCAVATION. STORM SEWERS MAY BE PLACED PRIOR TO PLACING FILL.
- CONTRACTOR TO PROVIDE SLEEVES UNDER FOOTINGS FOR UTILITY CONNECTIONS IF APPLICABLE.
- UTILITY PENETRATIONS AND LOCATIONS ARE SHOWN FOR THE CONTRACTOR'S INFORMATION AND SHALL BE VERIFIED WITH THE MEP DRAWINGS AND CONSTRUCTION MANAGER.
- ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING, IN ACCORDANCE WITH THE APPROPRIATE UTILITY COMPANY AND/OR THE LOCAL MUNICIPALITIES' REQUIREMENTS.
- AN EIGHTEEN INCH MINIMUM CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, AND TELEPHONE LINES AND STORM SEWERS SHALL BE PROVIDED. A SIX-INCH MINIMUM CLEARANCE SHALL BE MAINTAINED BETWEEN STORM AND SANITARY SEWER WITH A CONCRETE ENCASUREMENT.
- CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR PIPE CONNECTIONS TO BUILDING STUB OUTS, INCLUDING ROOF/FOOTING DRAIN CONNECTIONS TO ROOF LEADERS AND TO STORM DRAINAGE SYSTEM.
- MANHOLE RIMS SHALL BE SET TO ELEVATIONS SHOWN. SET ALL EXISTING MANHOLE FRAMES AND VALVE COVERS TO BE RAISED OR LOWERED FLUSH WITH FINAL GRADE AS NECESSARY.
- SITE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND CABLES FOR SITE LIGHTING WITH THE BUILDING ELECTRICIAN/ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL COORDINATE INSTALLATION FOR ELECTRICAL SERVICES TO PYLON SIGNS AND SITE LIGHTING WITH THE BUILDING ELECTRICAL/ELECTRICAL CONTRACTOR.
- THE CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, OR LANDSCAPED AREAS DISTURBED DURING CONSTRUCTION, TO THEIR ORIGINAL CONDITION OR BETTER.
- INFORMATION ON EXISTING UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES INCLUDING SERVICES. CONTACT "CALL BEFORE YOU DIG" AT 811 72 HOURS PRIOR TO CONSTRUCTION AND VERIFY ALL UNDERGROUND AN OVERHEAD UTILITY LOCATIONS.
- THE CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY COMPANIES AND THE TOWN FOR WORK TO BE PERFORMED BY UTILITY COMPANIES OR BY THE TOWN. THE CONTRACTOR SHALL PAY ALL UTILITY FEES AND REPAIR PAVEMENTS AS NECESSARY.
- ELECTRIC, AND TELEPHONE SERVICES SHALL BE INSTALLED UNDERGROUND FROM EXISTING SERVICE POLE(S)#(S). UNLESS OTHERWISE SHOWN ON THE MEP DRAWINGS, THE CONTRACTOR SHALL INSTALL AND BACKFILL TWO 4" PVC CONDUITS FOR TELEPHONE SERVICE, FOUR 4" PVC CONDUITS FOR ELECTRIC SERVICE PRIMARY, PVC CONDUITS FOR ELECTRICAL SECONDARY PER BUILDING ELECTRICAL PLANS (SCHEDULE 80N UNDER PAVEMENT, SCHEDULE 40 IN NON PAVEMENT AREAS). SERVICES MAY BE INSTALLED IN A COMMON TRENCH WITH 1" CLEAR SPACE BETWEEN. MINIMUM COVER IS 36" ON ELECTRIC CONDUITS, AND 24" ON TELEPHONE CONDUITS. SERVICES SHALL BE MARKED WITH MAGNETIC LOCATOR TAPE AND SHALL BE BEDDED, INSTALLED, AND BACKFILLED IN ACCORDANCE WITH ELECTRIC COMPANY, AND PHONE COMPANY STANDARDS. GALVANIZED STEEL ELECTRICAL CONDUIT SHALL BE USED AT POLE AND TRANSFORMER LOCATIONS. INSTALL HANDHOLES AS REQUIRED. INSTALL CONCRETE ENCASMENT ON PRIMARY ELECTRIC CONDUITS IF REQUIRED BY ELECTRIC COMPANY.
- ALL WATER LINES SHALL BE BURIED WITH 48" OF COVER. ALL LINES SHALL BE BEDDED IN 6" OF SAND AND BACKFILLED WITH 12" OF SAND.
- ALL WATER MAINS, WATER SERVICES AND SANITARY SEWER LATERAL SHALL CONFORM TO THE DEPARTMENT OF ENVIRONMENTAL HEALTH, APPLICABLE TOWN OF MONTVILLE SPECIFICATIONS, AS WELL AS TO OTHER APPLICABLE CODES AND SPECIFICATIONS FOR POTABLE WATER SYSTEMS.
- ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, ENGINEER, UTILITY PROVIDER AND APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN ALL UTILITY CONNECTIONS TO EXISTING ABUTTING HOUSES WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNERS, THE PROJECT ENGINEER, UTILITY PROVIDER AND GOVERNING AUTHORITIES.
- THE CONTRACTOR MAY SUBSTITUTE MASONRY STRUCTURES FOR PRECAST STRUCTURES IF APPROVED BY THE SITE ENGINEER AND ALLOWED BY THE TOWN ENGINEER OR BY GOVERNING AUTHORITY.

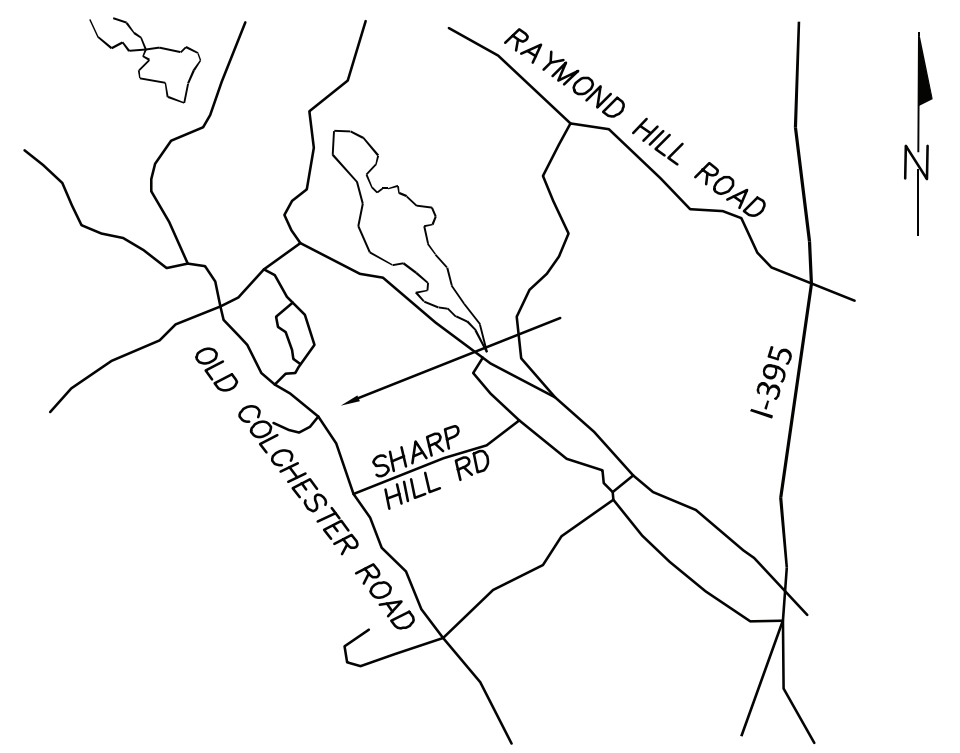
**POST CONSTRUCTION STORM WATER POLLUTION PLAN**

- RESPONSIBLE PARTIES AND STORMWATER MANAGEMENT SYSTEM OWNER:  
 ATLANTIC BROADBAND (CT) LLC  
 (BREEZELINE)  
 2 BATTELY CREEK PARK, SUITE 205  
 QUINCY, MA 02169  
 PHONE: 1-603-534-1897
- THE FOLLOWING PROCEDURES WILL BE IMPLEMENTED CONTINUALLY BY THE OWNER:
- PAVEMENT SWEEPING: PARKING LOTS AND DRIVES SHALL BE SWEEPED A MINIMUM OF TWICE A YEAR (SPRING AND FALL)
  - CATCH BASIN SUMPS: CATCH BASIN SUMPS SHALL BE INSPECTED ON A REGULAR BASIS (AT LEAST TWICE PER YEAR) AND SEDIMENT WILL BE REMOVED AS NECESSARY (A MINIMUM OF ONCE A YEAR TO ENSURE FUNCTIONING OF THE SYSTEM, UTILIZING A VACUUM TRUCK)
  - THE COLLECTION SYSTEM PIPES SHALL BE AT SIX-MONTH INTERVALS. REGULAR MAINTENANCE INCLUDES THE FOLLOWING ITEMS:
    - INSPECTION OF THE OUTLET TO ENSURE THEY ARE NOT BLOCKED.
    - CHECKING THE OUTLETS FROM THE DRAINAGE SYSTEM IS CLEAR AND NOT ERODING.
    - REMOVING PAPER AND DEBRIS FROM INSIDE THE BASIN.
  - LANDSCAPING: LANDSCAPED AREAS WILL BE MAINTAINED. NORMAL LANDSCAPING MAINTENANCE WILL CONSIST OF PRUNING, MULCHING, PLANTING, MOWING LAWNS, RAKING LEAVES, ETC.. USE OF FERTILIZERS AND PESTICIDE WILL BE CONTROLLED AND LIMITED TO MINIMAL AMOUNTS NECESSARY FOR HEALTHY LANDSCAPE MAINTENANCE. THE LAWN AREAS, ONCE ESTABLISHED, WILL BE MAINTAINED AT A TYPICAL HEIGHT OF 3 1/2". THIS WILL ALLOW THE GRASS TO BE MAINTAINED WITH A MINIMAL IMPACT FROM WEEDS AND/OR PEST. PESTICIDE WILL ONLY BE USED AS A CONTROL METHOD WHEN A PROBLEM HAS BEEN IDENTIFIED AND OTHER NATURAL CONTROL METHODS ARE NOT SUCCESSFUL. ALL PESTICIDE APPLICATION SHALL BE BY LICENSED APPLICATORS, WHERE NECESSARY. TOPSOIL, BRUSH, LEAVES, CHIPPINGS, MULCH, EQUIPMENT, AND OTHER MATERIALS SHALL BE STORED OFF SITE.
  - TRASH COLLECTION: ALL TRASH WILL BE CONTAINED IN DUMPSTERS. ALL DUMPSTERS WILL BE EQUIPPED WITH COVERS. ALL TRASH WILL BE COLLECTED ON A REGULAR BASIS AND DISPOSED OF LEGALLY OFF-SITE.
  - THE OWNER SHALL BE KEEP AN ON-SITE LOG OF STORMWATER MAINTENANCE MEASURES PERFORMED AND DATES THEY WERE IMPLEMENTED. THIS LOG BOOK SHALL BE AVAILABLE FOR THE TOWN OF MONTVILLE INSPECTION.

<b>NOTE SHEET</b>	DATE: 1-10-22	DRAW: MAM	DESIGN BY: WEB	APPROVED BY: JPC	PROJECT NO: 22102	FILE: 22102-SITE	NO.
	SCALE: NOTES	DRAWN BY: MAM	DESIGN BY: WEB	APPROVED BY: JPC	PROJECT NO: 22102	FILE: 22102-SITE	NO.
							
<b>ATLANTIC BROADBAND (CT) LLC</b> <b>689 OLD COLCHESTER ROAD</b> <b>UNCASVILLE, CT</b>							
<b>BREEZELINE UNCASVILLE CT</b> <b>689 OLD COLCHESTER ROAD</b> <b>UNCASVILLE, CT</b>							
							
181 Wilson Road, PO Box 1168 Dover, New Hampshire 03821 603.748.0445							
CIVILWORKS NEW ENGLAND CIVIL & LANDSCAPE ENGINEERING							
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REVISION							
APP'D							



LOCUS MAP



**PLAN REFERENCE:**  
 1. "LIMITED PROPERTY & TOPOGRAPHIC SURVEY" PREPARED FOR: ATLANTIC BROADBAND (CT) LLC., TAX MAP 30 BLOCK 89 LOT 00A, 689 OLD COLCHESTER ROAD, TOWN OF MONVILLE, COUNTY OF NEW LONDON, STATE OF CONNECTICUT, DATED: 12-6-22, PREPARED BY: NORTH BY NORTHEAST SURVEY AND MAPPING CONSULTANT.

CONNECTICUT COORDINATE SYSTEM 1983

n/f  
 ROBERT C. ECCLESTON JR  
 #715 OLD COLCHESTER ROAD  
 VOLUME 610 PAGE 1013  
 TAX MAP 30 BLOCK 88 LOT 000

**ATLANTIC BROADBAND(CT) LLC  
 (BREEZELINE)**

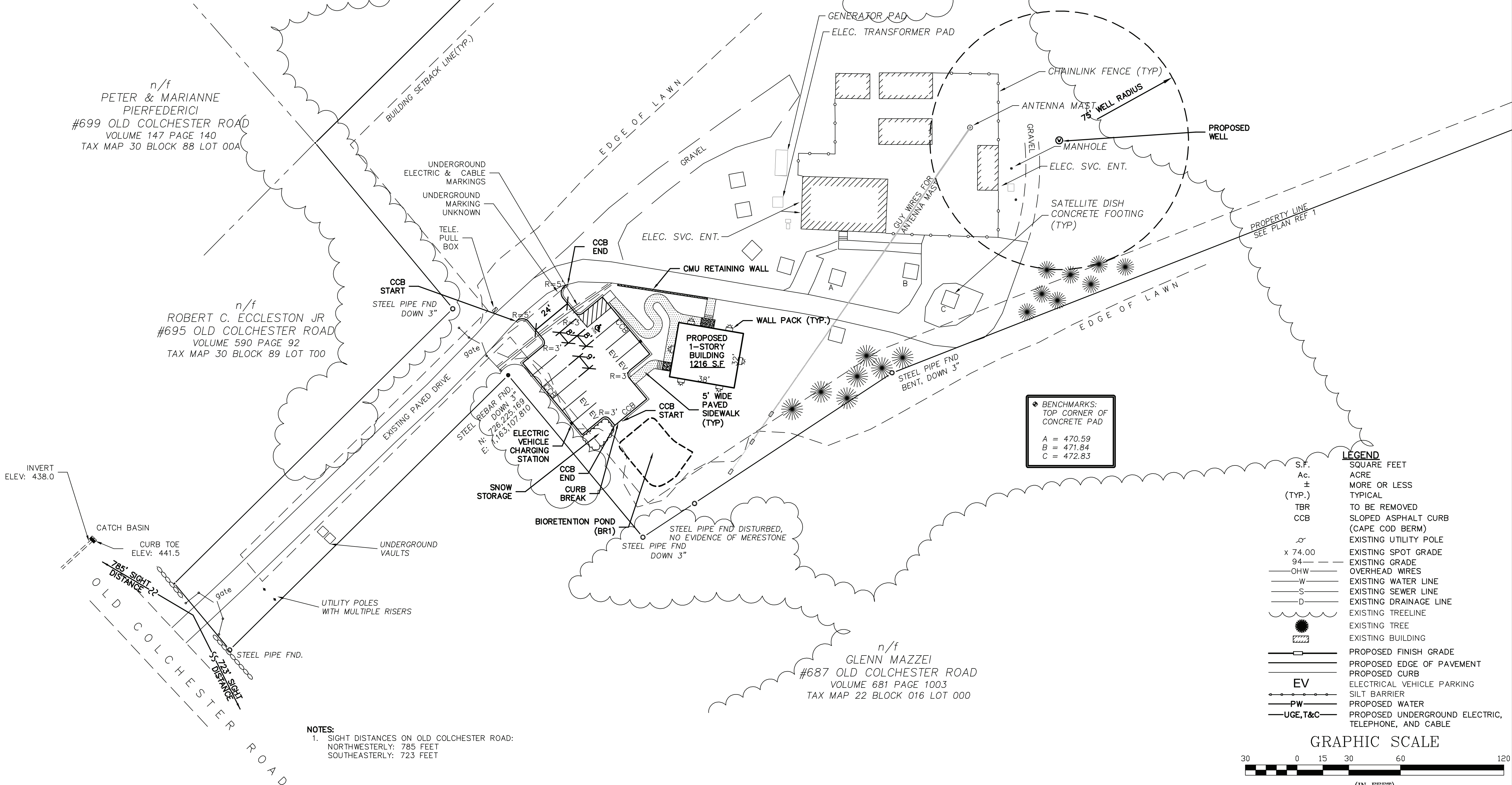
#689 OLD COLCHESTER ROAD  
 VOLUME 608 PAGE 350  
 TAX MAP 30 BLOCK 89 LOT 00A

n/f  
 PETER & MARIANNE  
 PIERFEDERICI  
 #699 OLD COLCHESTER ROAD  
 VOLUME 147 PAGE 140  
 TAX MAP 30 BLOCK 88 LOT 00A

n/f  
 ROBERT C. ECCLESTON JR  
 #695 OLD COLCHESTER ROAD  
 VOLUME 590 PAGE 92  
 TAX MAP 30 BLOCK 89 LOT 200

n/f  
 GLENN MAZZEI  
 #687 OLD COLCHESTER ROAD  
 VOLUME 681 PAGE 1003  
 TAX MAP 22 BLOCK 016 LOT 000

**NOTES:**  
 1. SIGHT DISTANCES ON OLD COLCHESTER ROAD:  
 NORTHWESTERLY: 785 FEET  
 SOUTHEASTERLY: 723 FEET

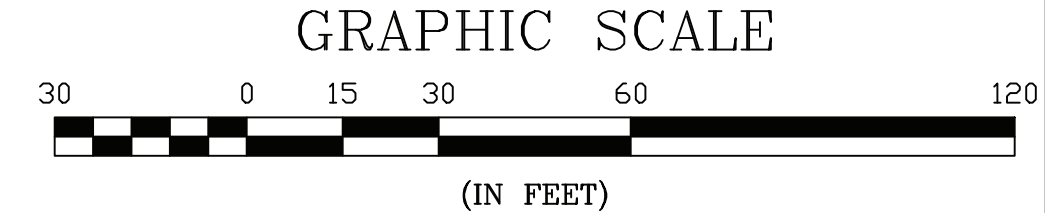


**BENCHMARKS:**  
 TOP CORNER OF CONCRETE PAD

A	=	470.59
B	=	471.84
C	=	472.83

**LEGEND**

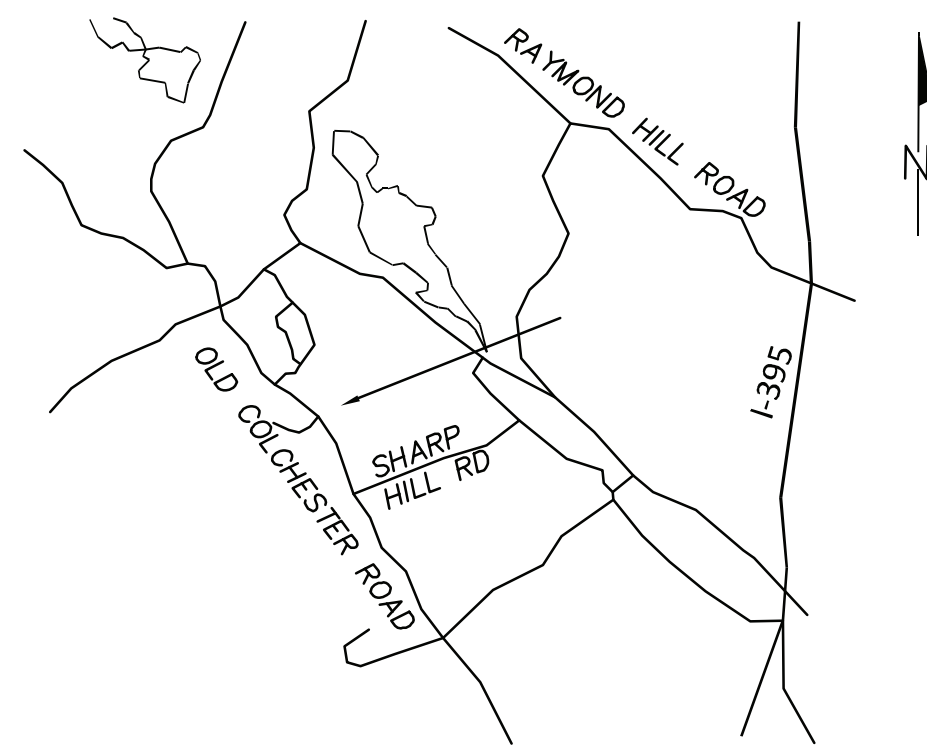
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CCB	SLOPED ASPHALT CURB (CAPE COD BERM)
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x 74.00	EXISTING SPOT GRADE
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— OHW	OVERHEAD WIRES
— W	EXISTING WATER LINE
— S	EXISTING SEWER LINE
— D	EXISTING DRAINAGE LINE
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⊙	EXISTING TREE
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—	PROPOSED FINISH GRADE
—	PROPOSED EDGE OF PAVEMENT
—	PROPOSED CURB
EV	ELECTRICAL VEHICLE PARKING
—	SILT BARRIER
PW	PROPOSED WATER
— UGE, T&C	PROPOSED UNDERGROUND ELECTRIC, TELEPHONE, AND CABLE



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DATE: 1-10-23	DRAWN BY: MAM	DESIGN BY: MEB	APPROVED BY: JPC
PROJECT NO: 22102	FILE: 22102-SITE	NO.	DATE
ATLANTIC BROADBAND (CT) LLC 689 OLD COLCHESTER ROAD UNCASVILLE, CT		REVISION	APP'D
BREEZELINE UNCASVILLE CT 689 OLD COLCHESTER ROAD UNCASVILLE, CT			
CIVILWORKS NEW ENGLAND 181 Watson Road, PO Box 1166 Dover, New Hampshire 03821 603.748.0443			
<b>4</b>			



LOCUS MAP



n/f  
 ROBERT C. ECCLESTON JR  
 #715 OLD COLCHESTER ROAD  
 VOLUME 610 PAGE 1013  
 TAX MAP 30 BLOCK 88 LOT 000

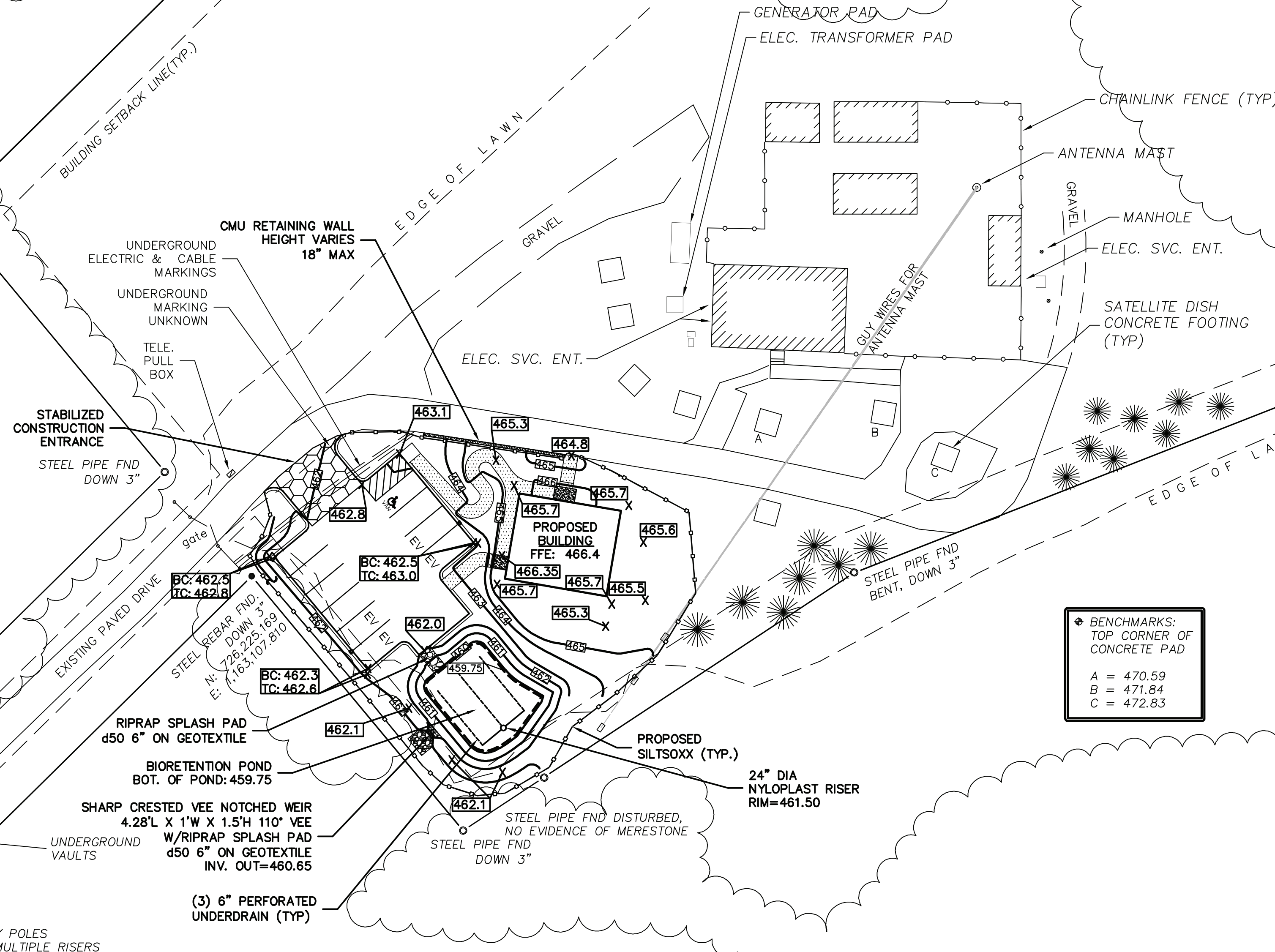
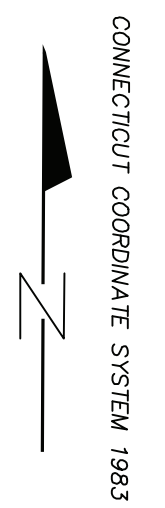
n/f  
 PETER & MARIANNE  
 PIERFEDERICI  
 #699 OLD COLCHESTER ROAD  
 VOLUME 147 PAGE 140  
 TAX MAP 30 BLOCK 88 LOT 00A

n/f  
 ROBERT C. ECCLESTON JR  
 #695 OLD COLCHESTER ROAD  
 VOLUME 590 PAGE 92  
 TAX MAP 30 BLOCK 89 LOT 200

n/f  
 GLENN MAZZEI  
 #687 OLD COLCHESTER ROAD  
 VOLUME 681 PAGE 1003  
 TAX MAP 22 BLOCK 016 LOT 000

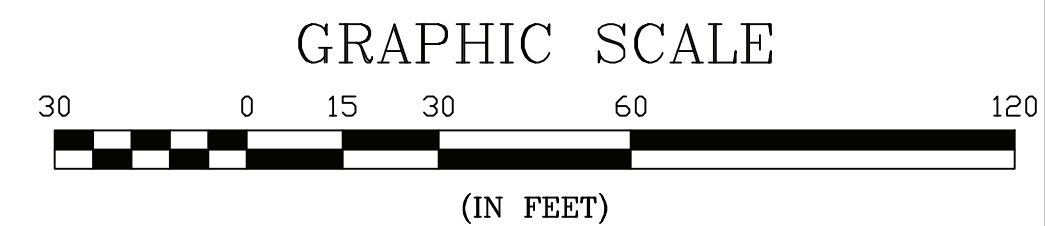
ATLANTIC BROADBAND(CT) LLC  
 (BREEZELINE)

#689 OLD COLCHESTER ROAD  
 VOLUME 608 PAGE 350  
 TAX MAP 30 BLOCK 89 LOT 00A



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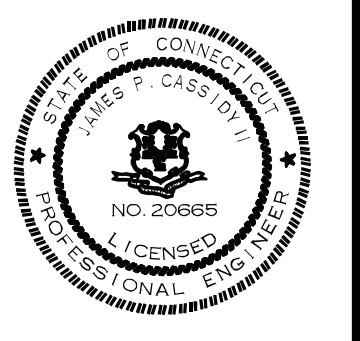
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 Dover, New Hampshire 03821  
 603.748.0443

DATE	NO.	REVISION	APP'D	DATE
1-10-23				
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**GRADING, DRAINAGE, AND EROSION PLAN**

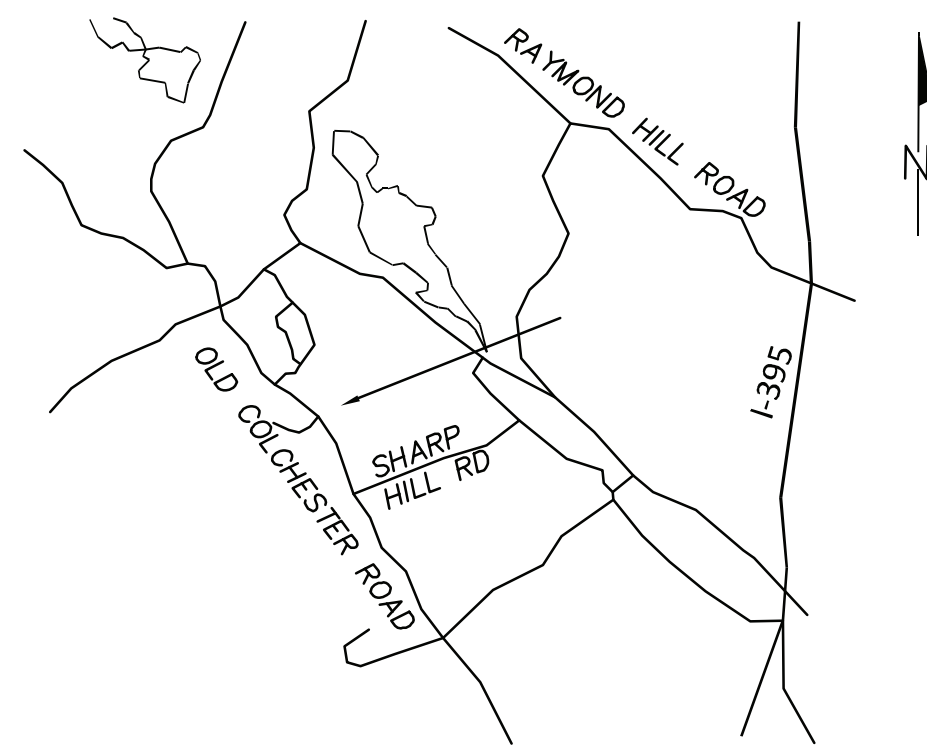
ATLANTIC BROADBAND (CT) LLC  
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 UNCASVILLE, CT

BREEZELINE UNCASVILLE CT  
 689 OLD COLCHESTER ROAD  
 UNCASVILLE, CT

5



LOCUS MAP



n/f  
 ROBERT C. ECCLESTON JR  
 #715 OLD COLCHESTER ROAD  
 VOLUME 610 PAGE 1013  
 TAX MAP 30 BLOCK 88 LOT 000

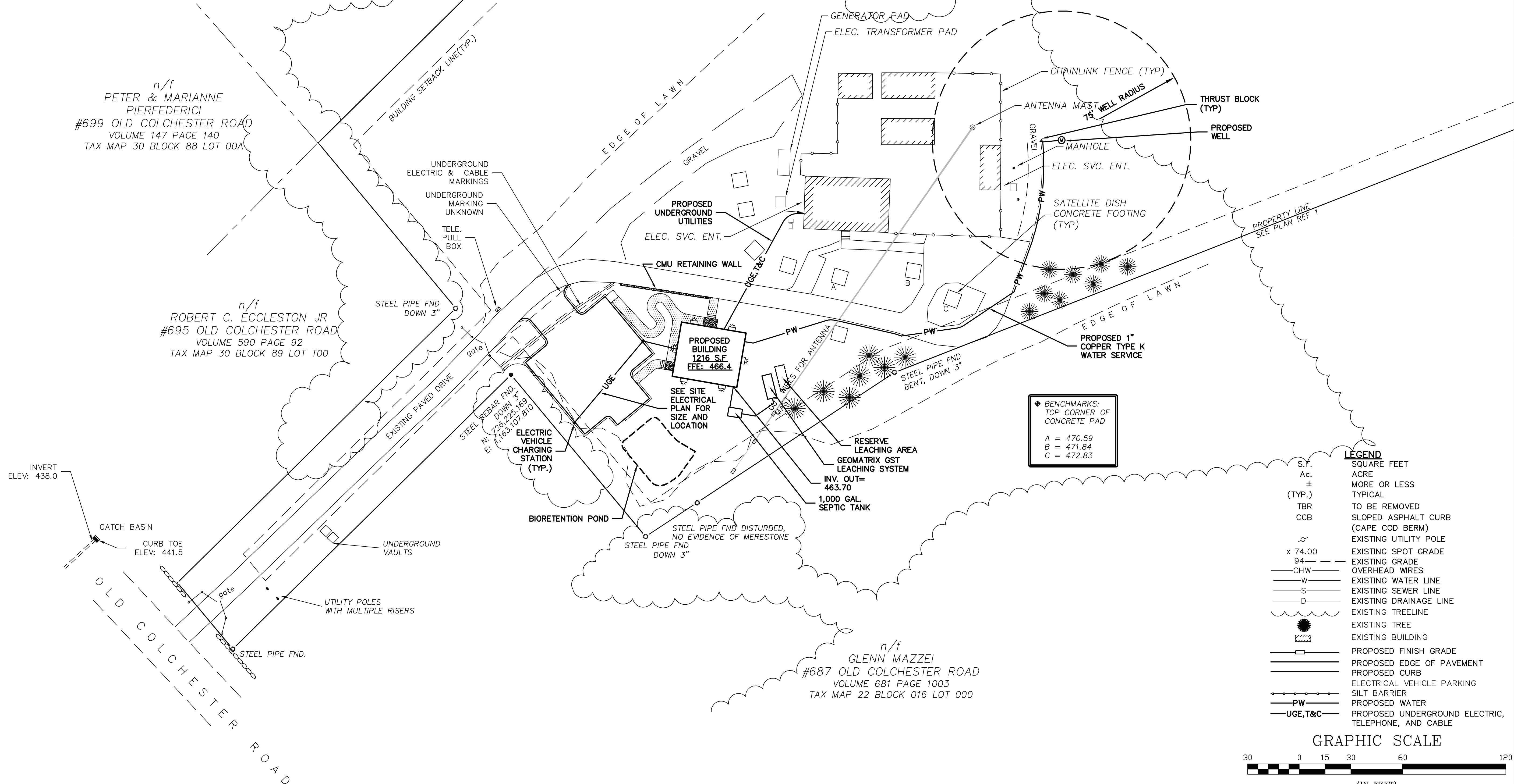
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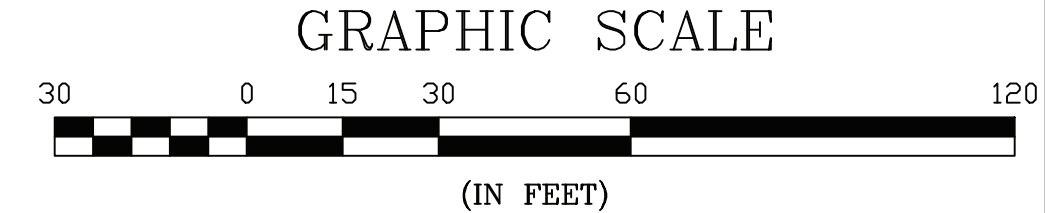
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UTILITY PLAN

DATE: 1-10-23	NO.
DRAWN BY: M.M	REVISION
DESIGN BY: MEB	APP'D
APPROVED BY: JPC	DATE
PROJECT NO: 22102	
FILE: 22102-SITE	

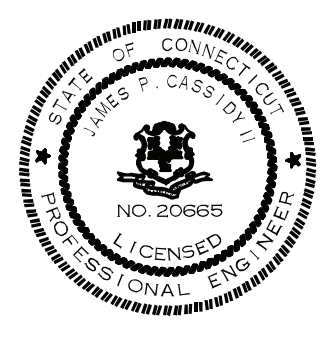
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ATLANTIC BROADBAND (CT) LLC  
 689 OLD COLCHESTER ROAD  
 UNCASVILLE, CT

BREEZELINE UNCASVILLE CT  
 689 OLD COLCHESTER ROAD  
 UNCASVILLE, CT

6



CONNECTICUT COORDINATE SYSTEM 1983



# EROSION CONTROL NOTES

**SEDIMENT & EROSION CONTROL NARRATIVE**  
THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES FROM SURFACE RUNOFF AND EROSION. A CONSTRUCTION SEQUENCE IS PROVIDED TO PROVIDE SURFACE RUNOFF CONTROLS PRIOR TO THE PROJECT CONSTRUCTION BEGINNING.

**CONSTRUCTION SCHEDULE**  
APPROPRIATE EROSION CONTROL MEASURES AS DESCRIBED HEREIN, SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL CONSTRUCTION ACTIVITY.

**CONTINGENCY EROSION PLAN**  
THE CONTRACTOR SHALL INSTALL ALL SPECIFIED EROSION CONTROL MEASURES AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE AGENTS OF THE DIRECTOR OF PLANNING & DEVELOPMENT, INLAND WETLANDS AGENCY, TOWN ENGINEER, AND/OR SITE ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

**CONSTRUCTION SEQUENCE**  
THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

- CONTACT TOWN ZONING ENFORCEMENT OFFICER AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION OR REGULATED ACTIVITY ON THIS PROJECT. A PRE MEETING WITH LOCAL AND/OR STATE OFFICIALS NEEDS TO BE HELD PRIOR TO THE START OF CONSTRUCTION.
- CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED PRIOR TO THE START OF WORK ON THE SITE. INSTALL TREE PROTECTION AND PERIMETER SILT FENCE & HAY BALE SEDIMENT BARRIERS.
- CONSTRUCT TRACKING PAD AT ENTRANCES AND WRAP FILTER FABRIC AROUND GRATE OF CATCH BASINS OR INSTALL SILT SACKS ON CATCH BASIN INLETS ON OFF SITE ROADS. INSTALL SILT FENCE AT PERIMETER OF PROPOSED SITE. DISTURBANCE AND INSTALL ALL EROSION CONTROL MEASURES AND TREE PROTECTION INDICATED ON THESE PLANS. INSTALL SEDIMENT TRAPS AND INSTALL SEDIMENT BASINS IN REQUIRED AT LOW AREAS OF SITE OR AS ORDERED BY THE ENGINEER OR AS SHOWN ON THESE PLANS.
- CLEAR AND GRUB SITE. STOCK PILE CHIPS. STRIP AND STOCKPILE TOPSOIL. REMOVE EXISTING BITUMINOUS PAVEMENT
- INSTALL ADDITIONAL SILT FENCE AS REQUIRED, CONSTRUCT TEMPORARY DIVERSION BERMS AND AND SEDIMENT TRAPS.
- INSTALL NEW RETAINING WALL AND SECTION OF STORM DRAINAGE OUTLET PIPE.
- CONTINUE EARTHWORK. INSTALL ADDITIONAL EROSION CONTROL AS REQUIRED. TOPSOIL AND SEED SLOPES WHICH HAVE ACHIEVED FINAL SITE GRADING.
- CONSTRUCTION STAKING OF ALL BUILDING CORNERS, UTILITIES, ACCESS DRIVES, AND PARKING AREAS.
- ROUGH GRADING, THEN START THE INSTALLATION OF THE RETAINING WALL.
- INSTALLATION OF REMAINING STORM DRAINAGE.
- FOUNDATION CONSTRUCTION. BEGIN SUPERSTRUCTURE.
- REMOVE SEDIMENT FROM BEHIND SILT FENCES, AND FROM SEDIMENTATION BASINS AS REQUIRED. REMOVAL SHALL BE ON A PERIODIC BASIS (EVERY SIGNIFICANT RAINFALL). INSPECTION OF EROSION CONTROL MEASURES SHALL BE ON A WEEKLY BASIS. SEDIMENT COLLECTED SHALL BE DEPOSITED AND SPREAD EVENLY UPLAND ON SLOPES DURING CONSTRUCTION.
- INSTALL SANITARY SEWER SYSTEM, WELL, WATER SERVICE, AND ALL OTHER UTILITIES. COMPLETE STORM SEWERS.
- INSTALL SITE LIGHTING.
- FINISH GRADING AND CONSTRUCT PARKING AREA SUBGRADE.
- CONSTRUCT SIDEWALKS AND SITE CONCRETE AREAS.
- PAVING OF PARKING AREAS AND DRIVEWAYS
- FINAL GRADING OF SLOPE AREAS.
- PLACE 4" TOPSOIL ON SLOPES AFTER FINAL GRADING IS COMPLETED. FERTILIZE SEED AND MULCH. SEED MIXTURE TO BE INSTALLED APRIL 11 TO JUNE 1 OR AUGUST 15 TO OCTOBER 1. USE EROSION CONTROL BLANKETS AS REQUIRED OR ORDERED FOR SLOPES GREATER THAN 3:1. FOR TEMPORARY STABILIZATION BEYOND SEEDING DATES USE ANNUAL RYE AT 4.0 LBS/1,000 S.F. FERTILIZE WITH 10-10-10 AT 1.0 LBS. OF NITROGEN PER 1,000 S.F. AND LIME AT 100 LBS/1,000 S.F. (MAX.).
- CONSTRUCT STORM WATER QUALITY BASIN AND FINAL OUTLET.
- LANDSCAPE ISLANDS AND PERIMETER AREAS. INSTALL SIGNING AND PAVEMENT MARKINGS.
- UPON DIRECTION OF THE TOWN, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED FOLLOWING STABILIZATION OF THE SITE.

**SEQUENCE OF OPERATIONS**  
**OPERATION I – CLEARING AND GRUBBING**

- ALL SEDIMENTATION AND EROSION CONTROL MEASURES, INCLUDING THE CONSTRUCTION OF THE TEMPORARY SEDIMENT TRAPS AND ANTI-TRACKING PADS, WILL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING AND DEMOLITION OPERATIONS.
- FOLLOWING INSTALLATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES, THE CONTRACTOR SHALL NOT PROCEED WITH OPERATION II UNTIL THE ENGINEER HAS INSPECTED AND APPROVED ALL INSTALLATIONS.
- THE CONTRACTOR SHALL TAKE EXTREME CARE DURING OPERATION I, SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR SEDIMENTATION AND EROSION CONTROL STRUCTURES.

**OPERATION II – ROUGH GRADING**

- DURING THE REMOVAL AND/OR PLACEMENT OF EARTH AS INDICATED ON THE SITE PLAN, TOPSOIL SHALL BE STRIPPED AND APPROPRIATELY STOCKPILED FOR REUSE.
- ALL STOCKPILED TOPSOIL SHALL BE SEEDED, MULCHED WITH HAY, AND ENCLOSED BY A SILTATION FENCE.

**OPERATION III – FILLING**

- PRIOR TO FILLING, ALL SEDIMENTATION AND EROSION CONTROL STRUCTURES SHALL BE PROPERLY IMPLEMENTED, MAINTAINED AND FULLY INSTALLED, AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THIS PLAN.
- ALL FILL MATERIAL ADJACENT TO ANY WETLAND AREAS SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN MAXIMUM ONE FOOT LIFTS, AND SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN CONTRACT SPECIFICATIONS.
- AS GENERAL GRADING OPERATIONS PROGRESS, THE TEMPORARY DIVERSION DITCHES SHALL BE RAISED OR LOWERED, AS NECESSARY, TO DIVERT SURFACE RUNOFF TO THE BASINS.

**OPERATION IV – PLACEMENT OF DRAINAGE STRUCTURES, UTILITIES, AND BUILDING CONSTRUCTION**

- STAKED SILT FENCES SHALL BE INSTALLED AT THE DOWNHILL SIDES OF BUILDING EXCAVATIONS, DEWATERING PUMP DISCHARGES, AND UTILITY TRENCH MATERIAL STOCKPILES.

**OPERATION V – FINAL GRADING AND PAVING**

- ALL INLET AND OUTLET PROTECTION SHALL BE PLACED AND MAINTAINED AS DISCUSSED IN OPERATION IV.
- NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS, JUTE MESH AND VEGETATION. ALL SLOPES SHALL BE SEEDED, AND THE ROAD SHOULDER AND BANKS WILL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
- PAVEMENT BASE COURSES SHALL BE INSTALLED OVER AREAS TO BE PAVED AS SOON AS FINAL SUB-GRADES ARE ESTABLISHED AND UNDERGROUND UTILITIES HAVE BEEN INSTALLED.
- CONSTRUCT PAVEMENT, PLACE TOPSOIL, FINAL SEED, MULCH AND LANDSCAPING.
- REMOVE ALL TEMPORARY EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PAVED AND/OR GRASS HAS BEEN WELL ESTABLISHED AND THE SITE HAS BEEN INSPECTED AND APPROVED BY THE TOWN OR GOVERNING WETLAND AGENCY.

## SEQUENCE FOR INSTALLATION OF SOIL EROSION & SEDIMENTATION CONTROL MEASURES

- PHASE 1**
- ERECT SILTATION FENCES, SEDIMENT TRAPS, DIVERSION DITCHES, AND ANTI-TRACKING PAD.
  - STRIP TOPSOIL AND STOCKPILE.
  - PERFORM CLEARING AND GRUBBING ACTIVITIES, AND DEMOLITION.
  - STABILIZE STOCK PILE.

- PHASE 2**
- INSPECT AND MAINTAIN SEDIMENTATION AND EROSION CONTROL STRUCTURES.
  - ROUGH GRADING.

- PHASE 3**
- INSPECT AND MAINTAIN SEDIMENTATION AND EROSION CONTROL STRUCTURES.
  - PERFORM FILLING ACTIVITIES.

- PHASE 4**
- INSPECT AND MAINTAIN SEDIMENTATION AND EROSION CONTROL STRUCTURES.
  - CONSTRUCT DRAINAGE STRUCTURES. CONSTRUCT DIVERSION BERMS, RIP RAPPED LINED DITCHES AND SEDIMENTATION BASINS.

- PHASE 5**
- INSPECT AND MAINTAIN SEDIMENTATION AND EROSION CONTROL STRUCTURES.
  - PERFORM FINAL GRADING AND PAVING.

- PHASE 6**
- INSPECT AND MAINTAIN SEDIMENTATION AND EROSION CONTROL STRUCTURES.
  - RESPREAD TOPSOIL.

- LIME, FERTILIZE, AND SEED.
- MULCH.
- FINAL COVER.

- PHASE 7**
- MAINTAIN SILTATION FENCES UNTIL COVER IS COMPLETELY STABILIZED.
  - PERFORM FINAL INSPECTION.
  - REMOVE SILTATION FENCES, CLEAN, AND RESTORE ALL AREAS.

- INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES**
- I. SILTATION FENCE**
- DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
  - POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND.
  - LAY THE BOTTOM SIX INCHES OF THE FABRIC IN THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
  - BACKFILL THE TRENCH AND COMPACT.

- OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES**
- I. SILTATION FENCE**
- ALL SILTATION FENCES SHALL BE INSPECTED AS A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.
  - SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.
- II. SEDIMENT TRAPS/BASINS**
- CONTRACTOR TO KEEP WEEKLY CHECKLIST LOGS FOR INSPECTIONS OF ALL SEDIMENT AND EROSION CONTROL DEVICES AND HAVE THEM READILY AVAILABLE ON-SITE AT ALL TIMES FOR INSPECTION BY DEEP, LOCAL AUTHORITIES OR ENGINEER.
  - ALL PONDS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OF SLOPES SHALL BE PROMPTLY MADE AS NEEDED.
  - SEDIMENT DEPOSITS SHALL BE REMOVED FROM PONDS WHEN THEY EXCEED A HEIGHT OF ONE FOOT.
  - SEDIMENT SHALL BE DISPOSED OF ON-SITE OR AS DIRECTED BY THE ENGINEER AND LOCAL GOVERNING OFFICIALS.

**EROSION AND SEDIMENT CONTROL PLAN**

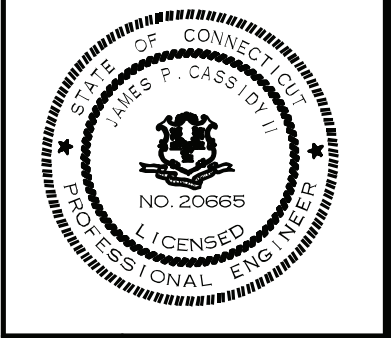
- SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
- CATCH BASINS WILL BE PROTECTED WITH SILT SACKS OR SHAY BALES THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE EROSION AND SEDIMENT CONTROL HANDBOOK LATEST EDITION.
- EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
- ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED.
- SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
- ATLANTIC BROADBAND (CT) LLC (BREEZELINE) IS THE PERMITEE RESPONSIBLE FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, NOTIFYING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFICATION OF THE MONTVILLE WETLANDS ENFORCEMENT OFFICER OR GOVERNING AUTHORITY OF THE TRANSFER OF THIS RESPONSIBILITY AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

## EROSION AND SEDIMENT CONTROL PLAN SEDIMENT AND EROSION CONTROL NOTES

- THE DRAWING IS ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL TREATMENT FOR THIS SITE. SEE SEDIMENT AND EROSION CONTROL DETAILS AND CONSTRUCTION SEQUENCE. REFER TO SITE PLAN FOR GENERAL INFORMATION AND OTHER PLANS FOR APPROPRIATE INFORMATION.
- ATLANTIC BROADBAND (CT) LLC (BREEZELINE) IS THE PERMITEE RESPONSIBLE FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, NOTIFYING ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, NOTIFYING THE GOVERNING AUTHORITY OR INLAND WETLANDS AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE SEDIMENT & EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
- THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE TOWN OF OLD SAYBROOK. THE CONTRACTOR SHALL KEEP A COPY OF THE GUIDELINES ON-SITE FOR REFERENCE DURING CONSTRUCTION.
- ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, SITE ENGINEER, TOWN OFFICIALS, OR ANY GOVERNING AGENCY. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED.
- THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS BEFORE AND AFTER EACH STORM, OR AT LEAST WEEKLY, TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS WHERE NECESSARY.
- THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIAL (SILT FENCE, JUTE MESH, ETC.) ON-SITE FOR MAINTENANCE AND EMERGENCY REPAIRS.
- PROTECT EXISTING TREES THAT ARE TO BE SAVED BY FENCING AT THE DRIP LINE FOR AS SHOWN WITH SNOW FENCE, ORANGE SAFETY FENCE, OR EQUIVALENT FENCING. ANY LIMB TRIMMING SHOULD BE DONE BEFORE CONSTRUCTION BEGINS IN THAT AREA; FENCING SHALL BE MAINTAINED AND REPAIRED DURING CONSTRUCTION.

- INSTALL PERIMETER SEDIMENT CONTROLS PRIOR TO CLEARING OR CONSTRUCTION. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SILT FENCE UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE FENCE.
- ANTI-TRACKING PAD SHALL BE INSTALLED AT START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. THE LOCATION OF THE TRACKING PAD MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED.
- TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING. ALL EARTH STOCKPILES SHALL HAVE SILT FENCE AROUND THE LIMIT OF PILE. PILES SHALL BE TEMPORARILY SEEDED IF PILE IS TO REMAIN IN PLACE FOR MORE THAN 2 MONTHS.
- SEDIMENTATION BASINS SHALL PROVIDE SEDIMENT STORAGE PER DISTURBED ACRE CONTRIBUTING TO THE BASIN. PROVIDE BASIN VOLUMES FOR ALL DISTURBANCE ON SITE.
- COMPLY WITH REQUIREMENTS OF CGS SECTION 22A, 430B FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND WITH DEP RECORD KEEPING AND INSPECTION REQUIREMENTS.
- MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (2 WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDED WITH TACKIFIER.
- SILT FENCE AND OTHER SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS PRIOR TO WORK IN ANY UPLAND AREAS.
- EXCAVATED MATERIAL FROM TEMPORARY SEDIMENT TRAPS MUST BE STOCKPILED ON UPHILL SIDE OF SILT FENCE.
- INSTALL SILT FENCE ACCORDING TO MANUFACTURER'S INSTRUCTION, PARTICULARLY, BURY LOWER EDGE OF FABRIC INTO GROUND. SILT FENCE SHALL BE MIRAFI ENVROFENCE, AMOCO SILT STOP OR EQUIVALENT APPROVED BY SITE ENGINEER. FILTER FABRIC USED SHALL BE MIRAFI 100X OR EQUIVALENT.
- INSTALL TEMPORARY DIVERSION DITCHES, PLUNGE POOLS, SEDIMENT BASINS, SEDIMENT TRAPS AND DEWATERING PITS AS SHOWN AND AS NECESSARY DURING VARIOUS PHASES OF CONSTRUCTION TO CONTROL RUNOFF UNTIL UPHILL AREAS ARE STABILIZED. LOCATION OF TEMPORARY SEDIMENT BASINS WILL REQUIRE REVIEW AND APPROVAL BY THE ENGINEER AND GOVERNING OFFICIAL.
- DIRECT ALL DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE SUCH AS TEMPORARY PITS, SEDIMENT BASINS OR GRASS FILTERS WITHIN THE APPROVED LIMIT OF DISTURBANCE. DISCHARGE TO STORM SEWERS OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR.
- BLOCK THE OPEN UPSTREAM ENDS OF DETENTION PIPE SYSTEM OUTLET CONTROL ORIFICE UNTIL SITE IS STABILIZED AND BLOCK END OF STORM SEWERS IN EXPOSED TRENCHES WITH BOARDS AND SANDBAGS AT THE END OF EACH WORKING DAY WHEN RAIN IS EXPECTED.
- SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. OTHER DUST CONTROL MEASURES TO BE USED AS NECESSARY INCLUDES WATERING DOWN DISTURBED AREAS, USING CALCIUM CHLORIDE, AND COVERING LOADS ON DUMP TRUCKS.
- PERIODICALLY CHECK ACCUMULATED SEDIMENT LEVELS IN THE SEDIMENT TRAPS DURING CONSTRUCTION AND CLEAN ACCUMULATED SILT WHEN NECESSARY OR WHEN ONE FOOT OF SEDIMENT HAS ACCUMULATED. CLEAN ACCUMULATED SEDIMENT FROM CATCH BASIN SUMPS AS NECESSARY. REMOVE ACCUMULATED SEDIMENT FROM BEHIND SILT FENCE WHEN LEVEL REACHES HALF THE HEIGHT OF THE FENCE. DISPOSE OF SEDIMENT LEGALLY EITHER ON SITE IN NON-WETLANDS AREAS.
- MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP PARKING LOT AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS WHEN AUTHORIZED BY LOCAL GOVERNING AUTHORITY.
- THE PARTY RESPONSIBLE FOR THE EROSION AND SEDIMENT CONTROL MEASURES IS:  
ATLANTIC BROADBAND (CT) LLC (BREEZELINE)  
2 BATTERYMARCH PARK, SUITE 205  
QUINCY, MA 02169  
PHONE: 1-603-534-1897
- IF WIND EROSION OCCURS, THEN GROUND SHALL BE COVERED WITH CALCIUM CHLORIDE OR WATER TRACK APPLICATIONS AS REQUIRED TO CORRECT THE PROBLEM.

EROSION AND SEDIMENT CONTROL NOTES		NOT FOR CONSTRUCTION FOR PERMIT USE ONLY	
BREEZELINE UNCASVILLE CT 689 OLD COLCHESTER ROAD UNCASVILLE, CT		ATLANTIC BROADBAND (CT) LLC 689 OLD COLCHESTER ROAD UNCASVILLE, CT	
DATE: 1-10-22		SCALE: NOTES	
DRAWN BY: MAM		DESIGN BY: WEB	
APPROVED BY: JPC		PROJECT NO: 22102	
FILE: 22102-SITE		NO.	
REVISION		APPD	
DATE		DATE	

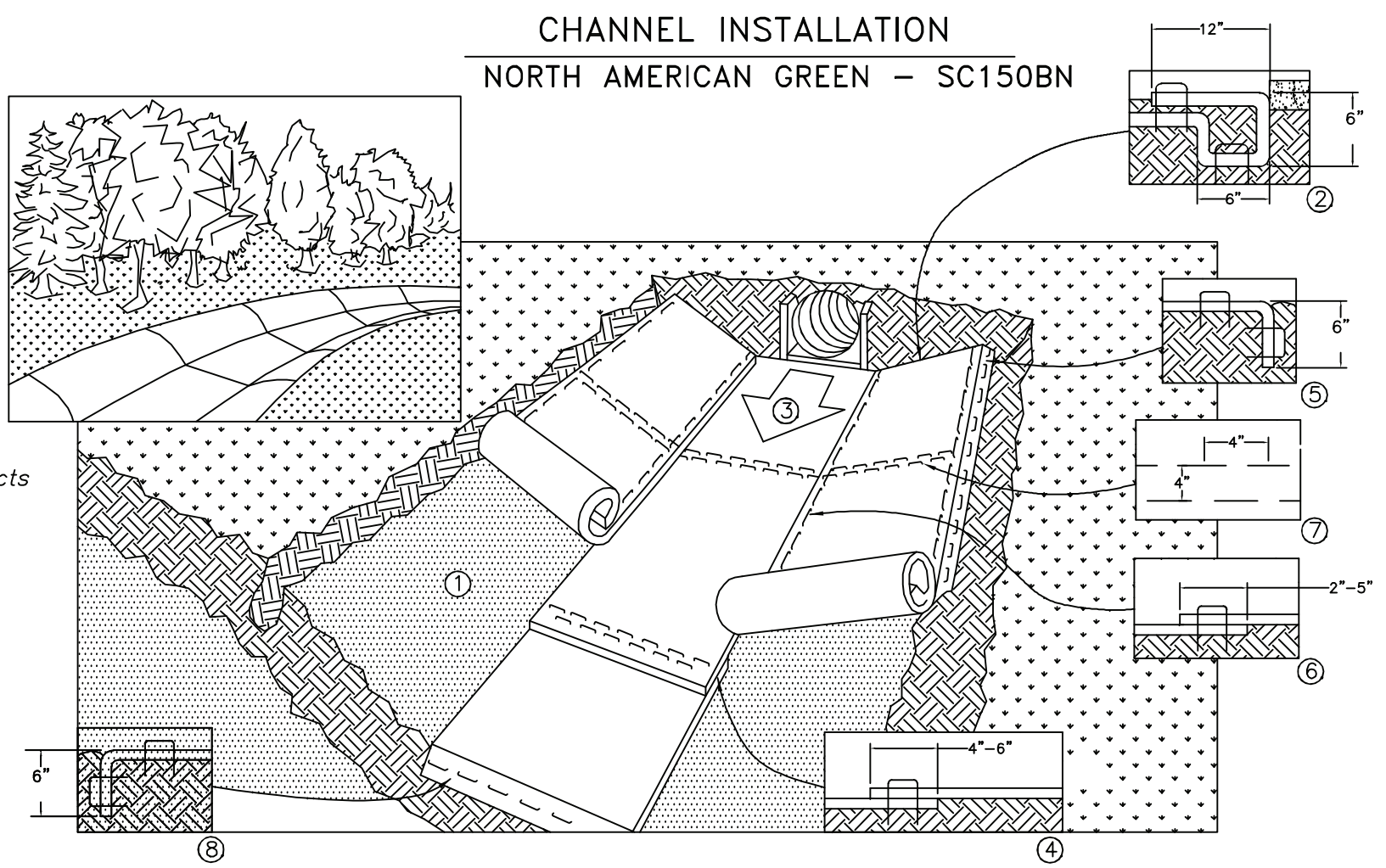


CIVILWORKS NEW ENGLAND  
181 Wiliston Road, PO Box 1168  
Dover, New Hampshire 03821  
603.749.0443

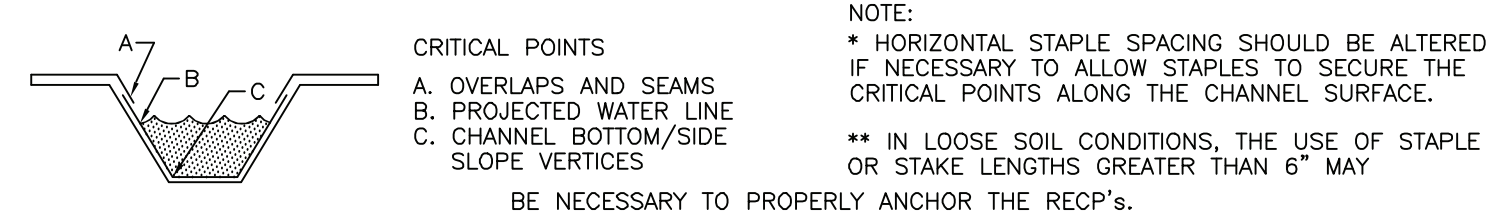




**CHANNEL INSTALLATION**  
NORTH AMERICAN GREEN – SC150BN



- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.  
NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECP's IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" ACROSS THE WIDTH OF THE RECP's.
- ROLL CENTER RECP's IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- PLACE CONSECUTIVE RECP's END OVER END (SHINGLE STYLE) WITH A 4" - 6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE RECP's.
- FULL LENGTH EDGE OF RECP's AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ADJACENT RECP's MUST BE OVERLAPPED APPROXIMATELY 2" - 5" (DEPENDING ON RECP's TYPE) AND STAPLED.
- IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
- THE TERMINAL END OF THE RECP's MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. NOTE: \* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP's.

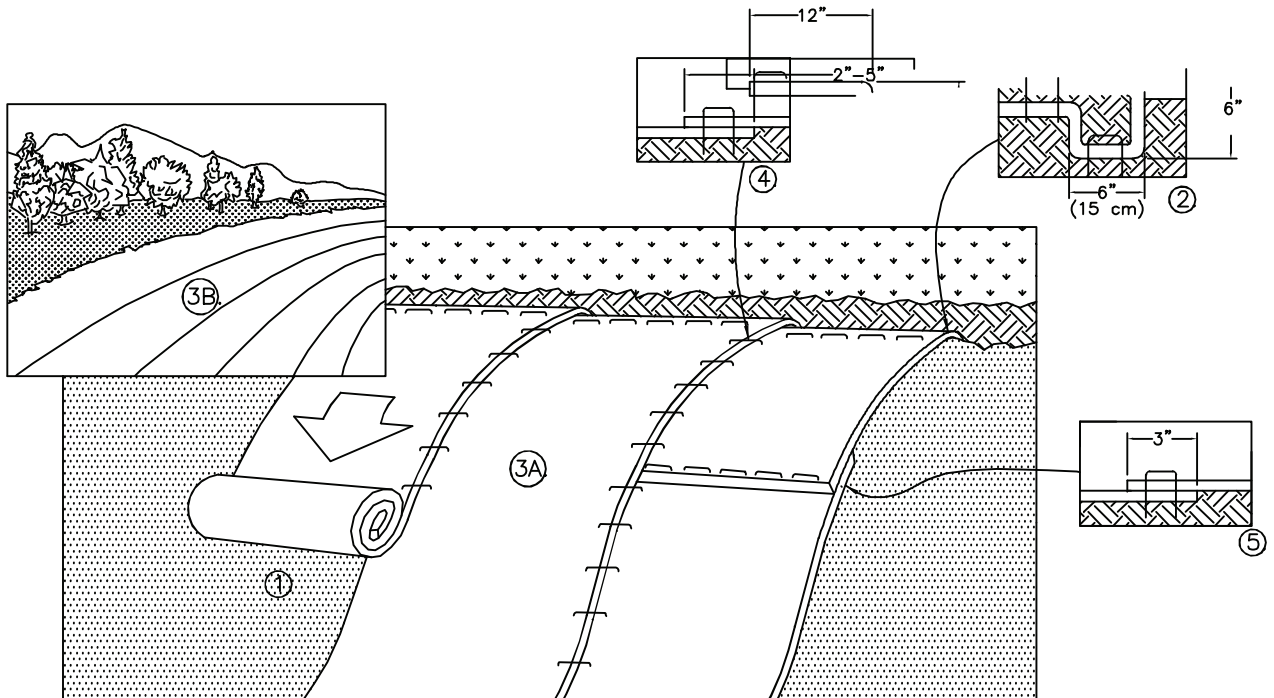


**CRITICAL POINTS**  
A. OVERLAPS AND SEAMS  
B. PROJECTED WATER LINE  
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

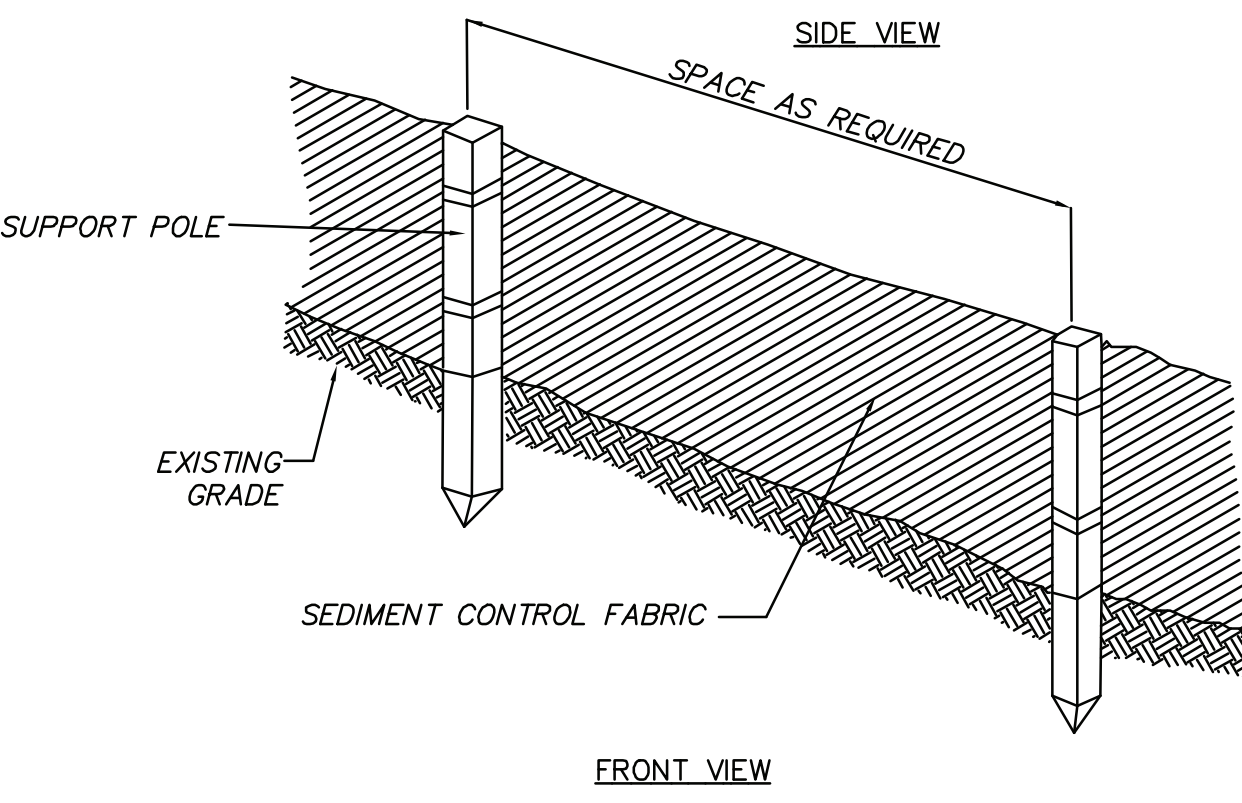
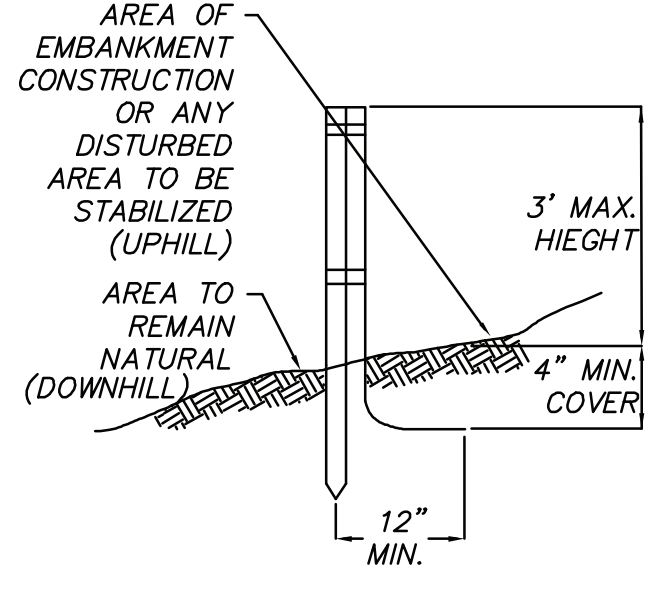
NOTE:  
\* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.  
\*\* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP's.



**SLOPE INSTALLATION**  
NORTH AMERICAN GREEN – SC150BN

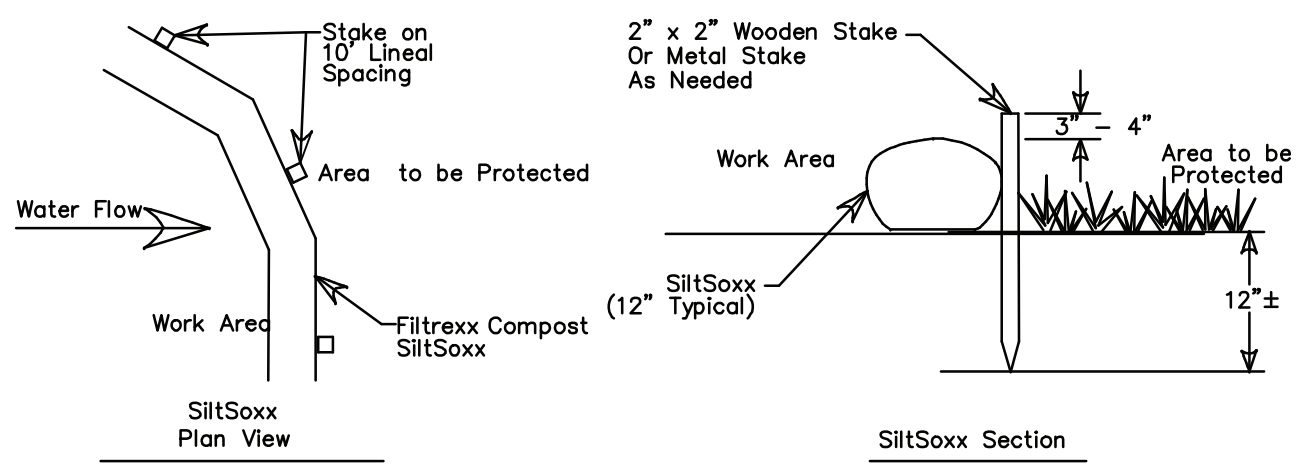
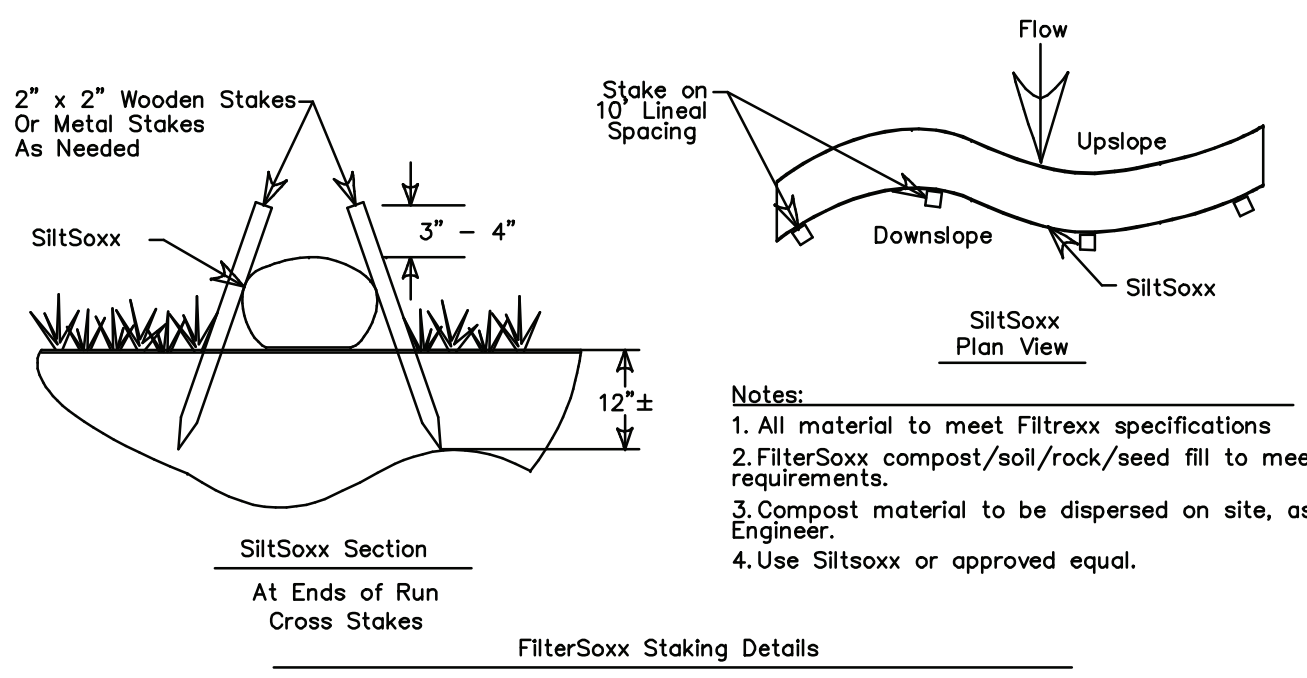


- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.  
NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
  - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP's IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP's.
  - ROLL THE RECP's (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
  - THE EDGES OF PARALLEL RECP's MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP's TYPE.
  - CONSECUTIVE RECP's SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP's WIDTH.  
NOTE:  
\* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP's.
- NOTE: THE USE OF WELDED PLASTIC OR BIODEGRADABLE PLASTIC NETTING OR THREAD IN EROSION CONTROL MATTING IS PROHIBITED. THE USE OF WILDLIFE FRIENDLY ORGANIC MATERIALS IS RECOMMENDED.



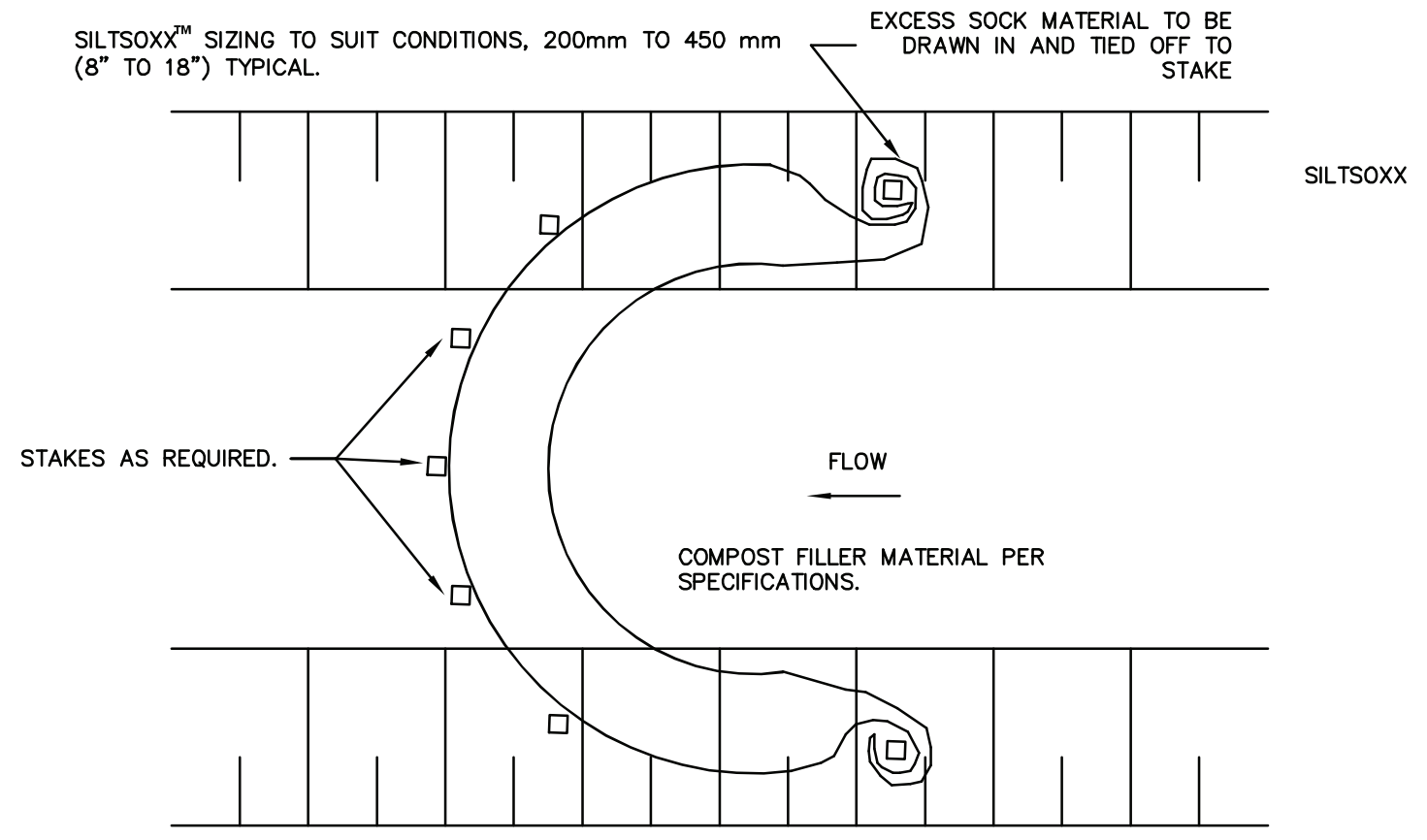
- NOTES:**  
1. SEE EROSION CONTROL NOTES FOR MATERIAL, INSTALLATION AND MAINTENANCE REQUIREMENTS.

**SILT FENCE**  
NOT TO SCALE



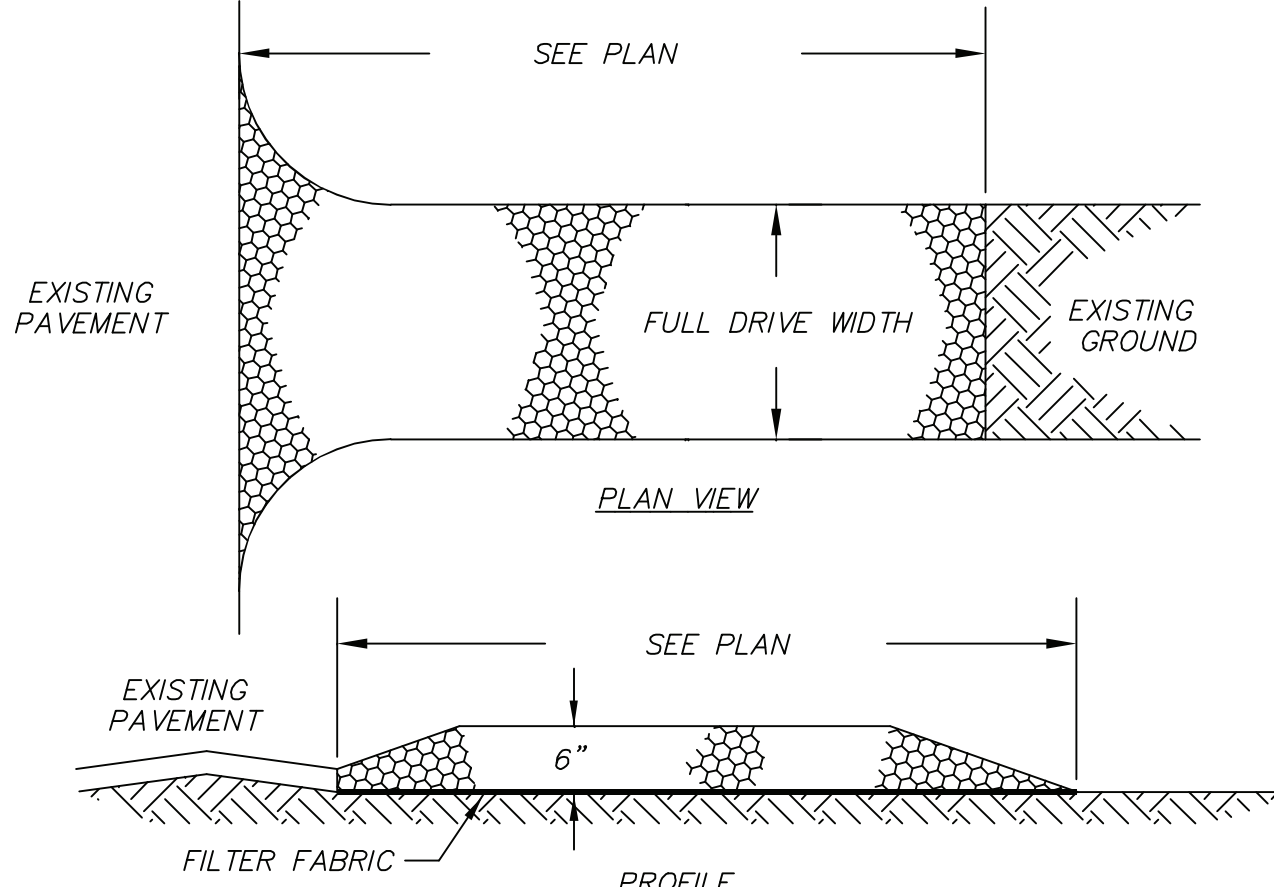
- NOTES:**  
1. All material to meet Filtrxx specifications, use Filtrxx Siltsoxx or approved equal  
2. Siltsoxx compost/soil/rock/seed fill to meet application requirements.  
3. Siltsoxx depicted is for minimum slopes. Greater slopes may require larger socks per the Engineer.  
4. Compost material to be dispersed on site, as determined by Engineer.

**SILTSOXX DETAILS**  
NOT TO SCALE



- NOTES:**  
1. ALL MATERIAL TO MEET SILTSOXX SPECIFICATIONS.  
2. COMPOST MATERIAL WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.  
3. USE SILTSOXX OR APPROVED EQUIVALENT.

**SILTSOXX DITCH CHECK**  
NOT TO SCALE



- NOTES:**  
1. SEE EROSION CONTROL NOTES BELOW FOR MATERIAL, INSTALLATION AND MAINTENANCE REQUIREMENTS.  
2. TO BE INSTALLED AT EACH POINT OF EGRESS FROM THE WORK AREA.

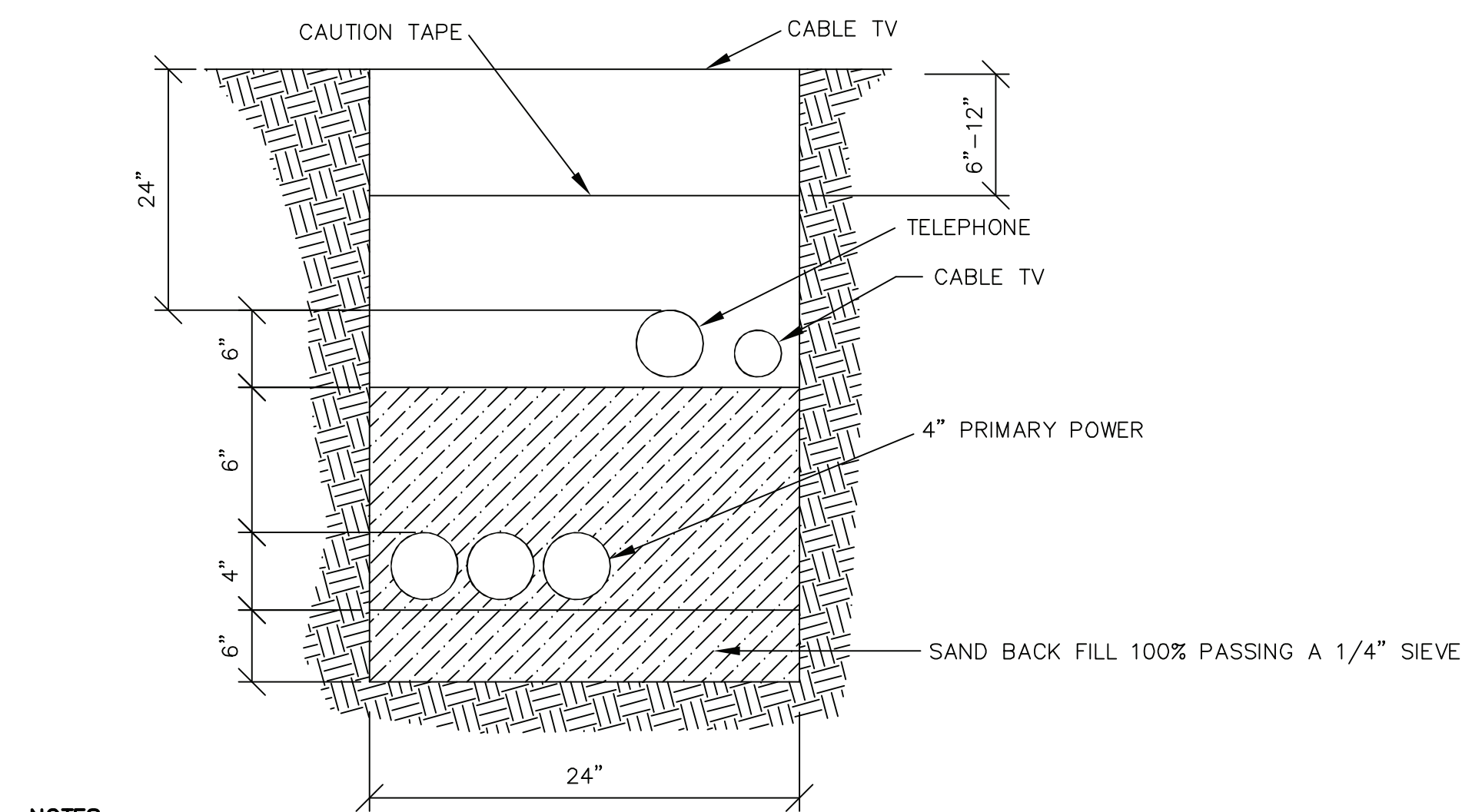
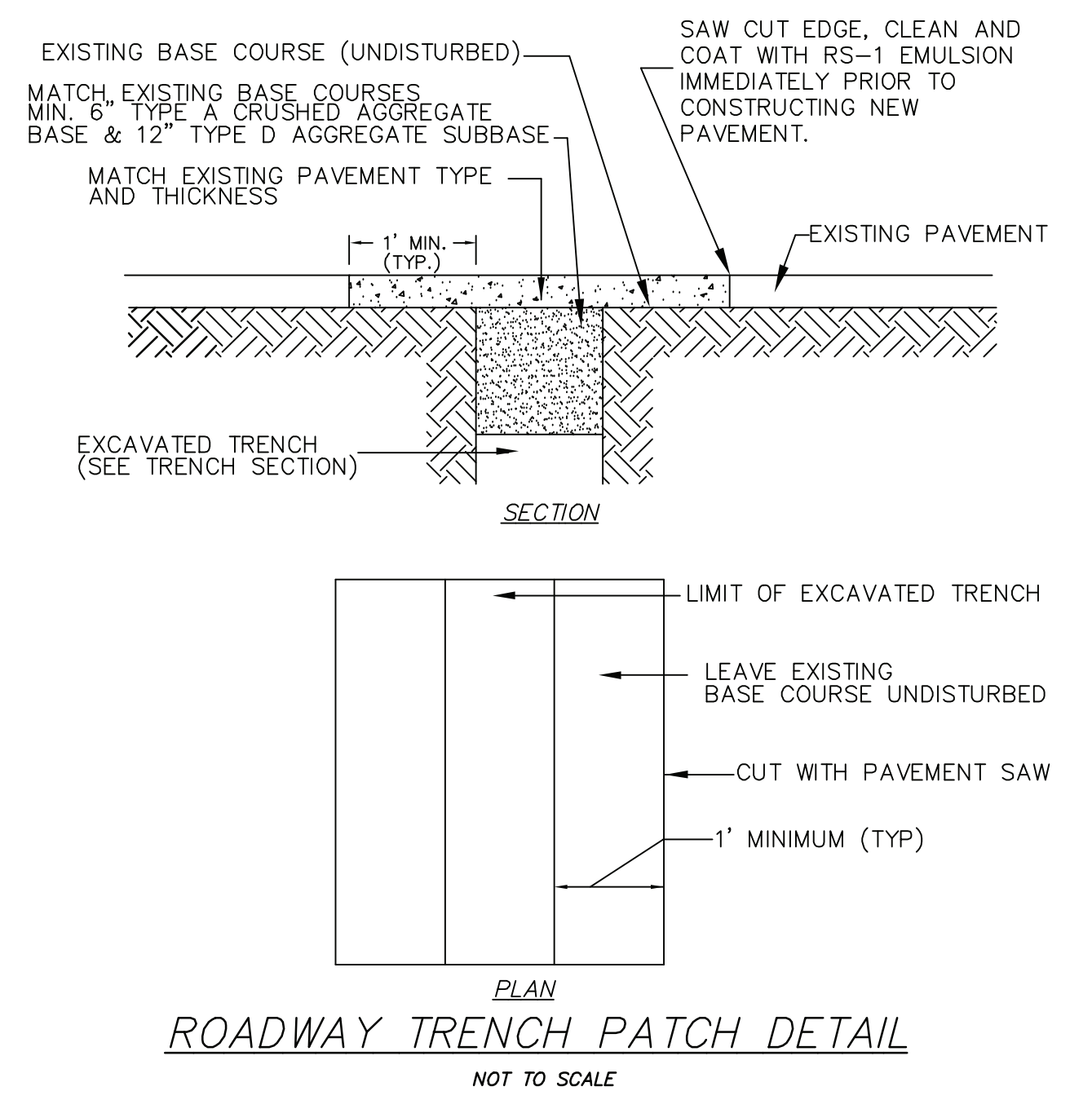
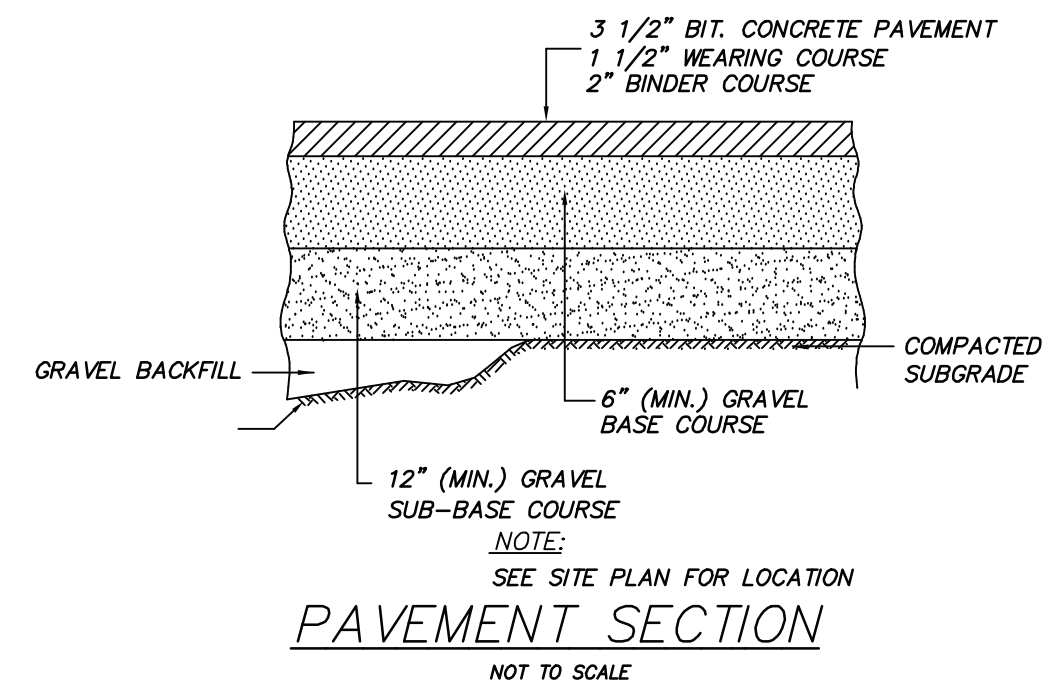
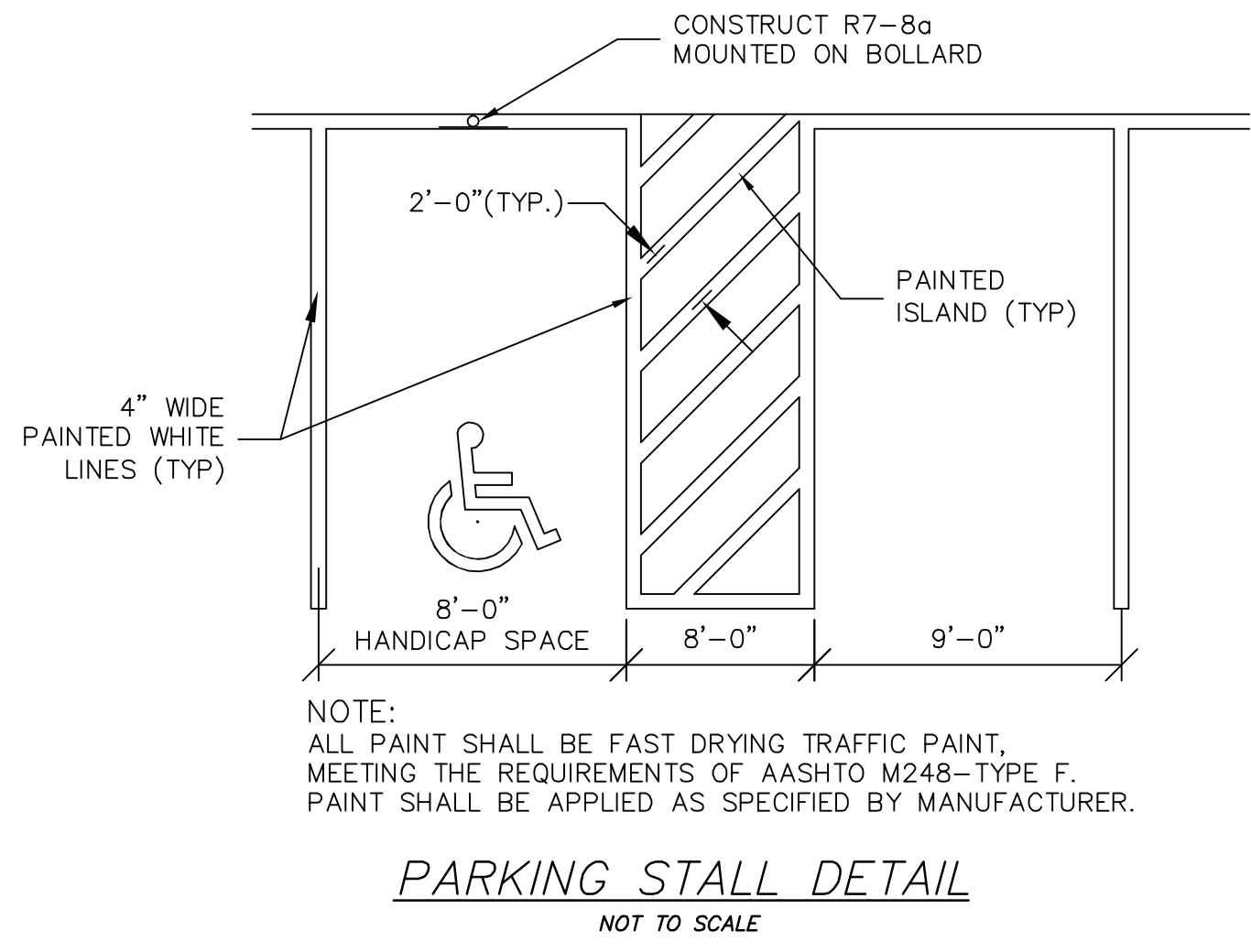
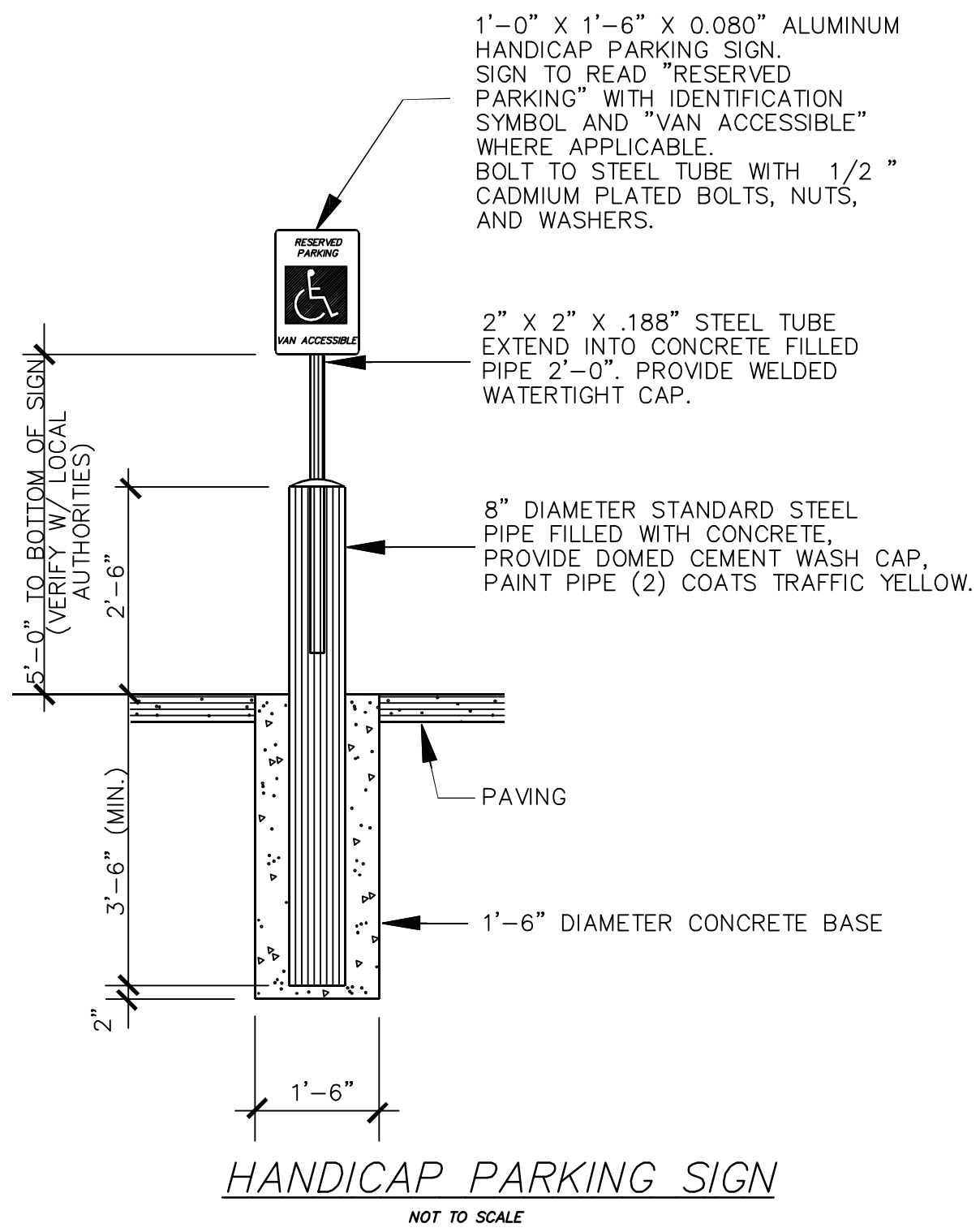
**STABILIZED CONSTRUCTION ENTRANCE**

- SPECIFICATIONS**
  - AGGREGATE SIZE: USE THREE (3) INCHES STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - AGGREGATE THICKNESS: NOT LESS THAN SIX (6) INCHES.
  - WIDTH TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH OF POINTS WHERE INGRESS OR EGRESS OCCURS.
  - LENGTH: AS REQUIRED, BUT NOT LESS THAN SEVENTY-FIVE (75) FEET. PIPING OF SURFACE WATER UNDER ENTRANCE SHALL BE PROVIDED AS REQUIRED.
  - GEOTEXTILE: TO BE PLACED OVER THE ENTIRE AREA TO BE COVERED WITH AGGREGATE.
  - CRITERIA FOR GEOTEXTILE: THE FABRICS SHALL BE TREVIA SPUNBOND 1135, MIRAFI 600X OR EQUAL.
- MAINTENANCE**  
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERWAYS.

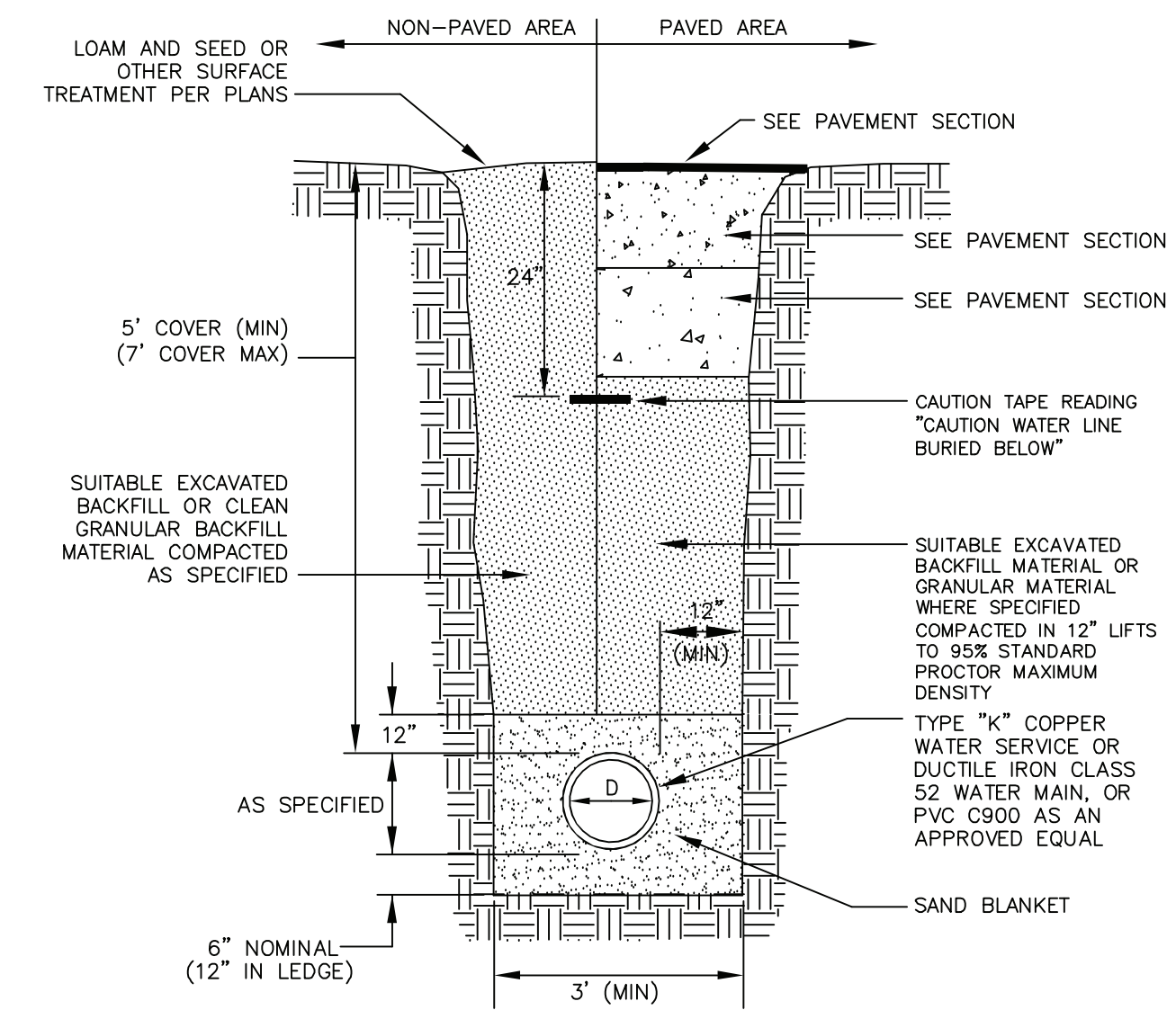
**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE

NOT FOR CONSTRUCTION FOR PERMIT USE ONLY		CIVILWORKS NEW ENGLAND 181 Watson Road, PO Box 1166 Dover, New Hampshire 03821 603.749.0443	
DATE: 1-10-22	SCALE: DETAILS	APP'D	DATE
DRAWN BY: M.M.	DESIGN BY: MEB	REVISION	
APPROVED BY: JPC	PROJECT NO: 22102		
FILE: 22102-SITE	NO.		
<b>EROSION AND SEDIMENT CONTROL DETAILS</b>		<b>ATLANTIC BROADBAND (CT) LLC 689 OLD COLCHESTER ROAD UNCASVILLE, CT</b>	
<b>BREEZELINE UNCASVILLE CT 689 OLD COLCHESTER ROAD UNCASVILLE, CT</b>		<b>8</b>	





- NOTES**
1. TELEPHONE CONDUIT SHALL BE 3" SCHEDULE 40 PVC, WITH STEEL SWEEPS AT RISER POLE, 90° BENDS AND AT BUILDING.
  3. LEAVE PULL ROPE IN ALL CONDUITS FOR CABLE INSTALLATION.
  4. FOR COMPLETE SPECIFICATIONS SEE EVERSOURCE CONSTRUCTION SPECIFICATIONS FOR UNDERGROUND CONDUIT SYSTEMS".
  5. CONTRACTOR SHOULD VERIFY THE NUMBER & SIZE OF CONDUIT WITH THE APPROPRIATE UTILITIES.



**SAND BLANKET/BARRIER**

SIEVE SIZE	% FINER BY WEIGHT
1/2"	90 - 100
200	0 - 15

- NOTES**
1. BACKFILL MATERIAL BELOW PAVED OR CONCRETE AREAS, BEDDING MATERIAL, AND SAND BLANKET SHALL BE COMPACTED TO NOT LESS THAN 95% OF AASHTO T 99, METHOD C. SUITABLE BACKFILL MATERIAL BELOW LOAM AREAS SHALL BE COMPACTED TO NOT LESS THAN 90% OF AASHTO T 99, METHOD C.
  2. WATER MAINS SHALL BE POLY WRAPPED.
  3. WATER MAINS SHALL HAVE 3 WEDGE JOINTS.

**DETAIL SHEET**

**ATLANTIC BROADBAND (CT) LLC**  
689 OLD COLCHESTER ROAD  
UNCASVILLE, CT

**BREEZELINE UNCASVILLE CT**  
689 OLD COLCHESTER ROAD  
UNCASVILLE, CT

**9**

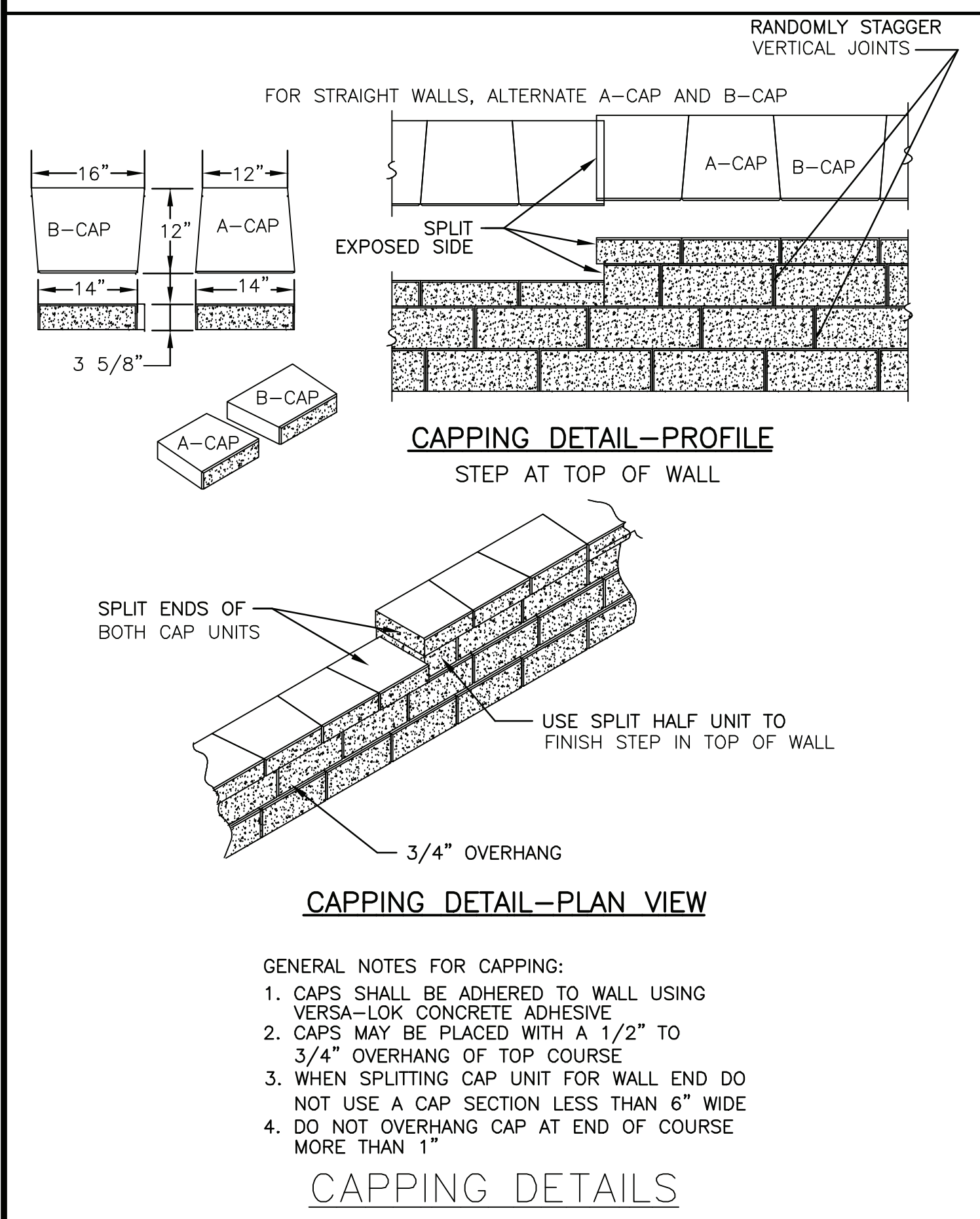
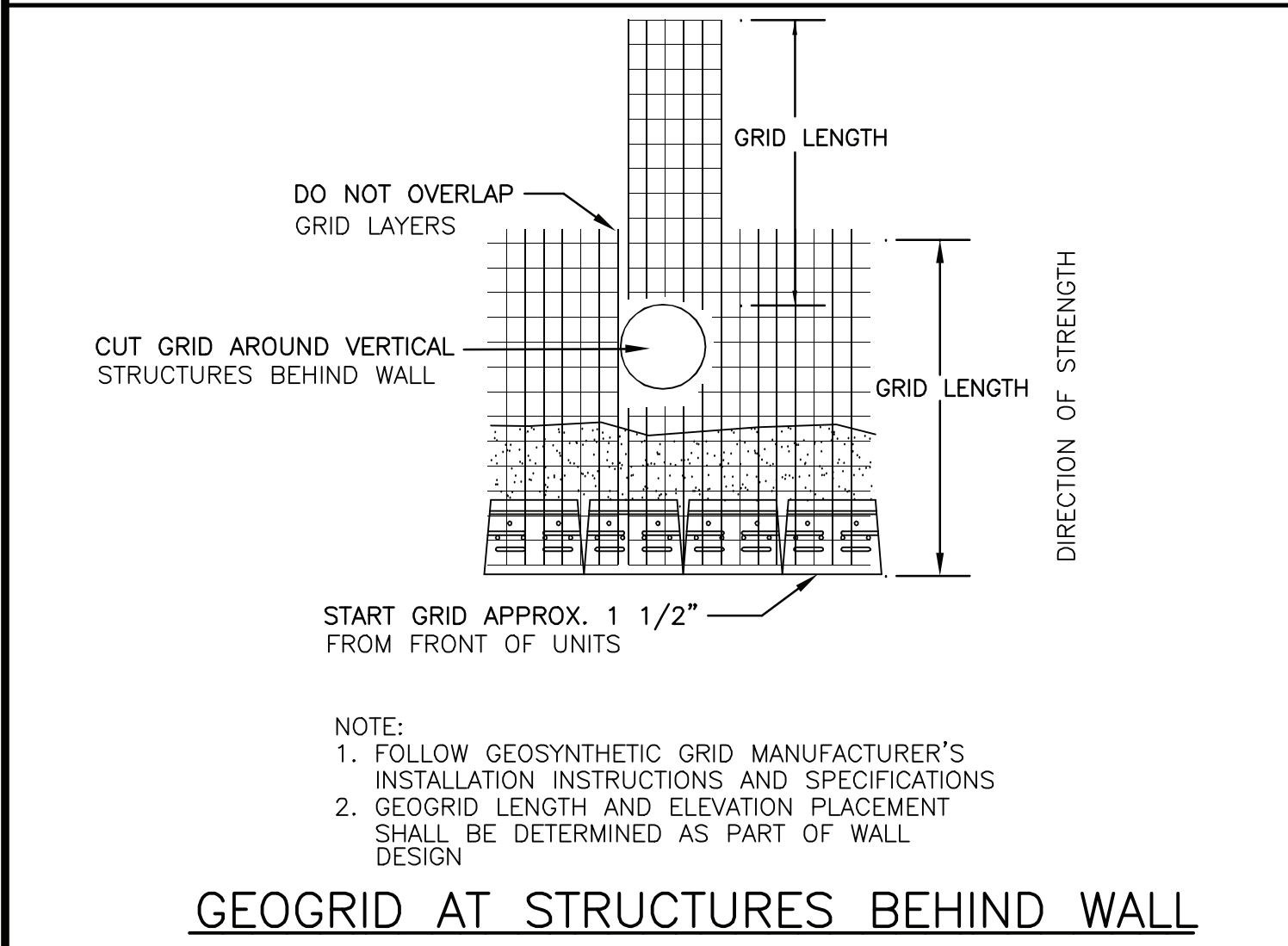
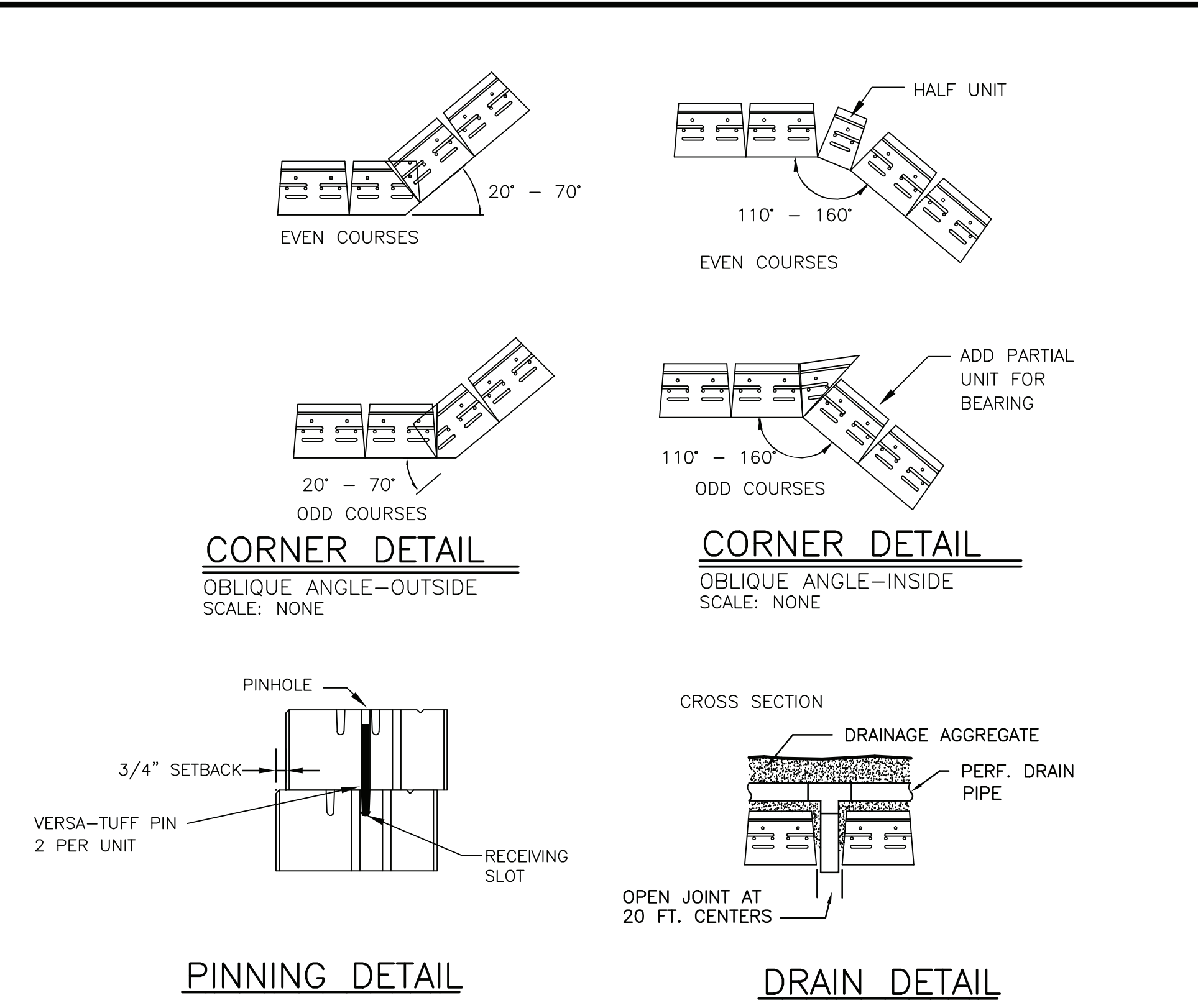
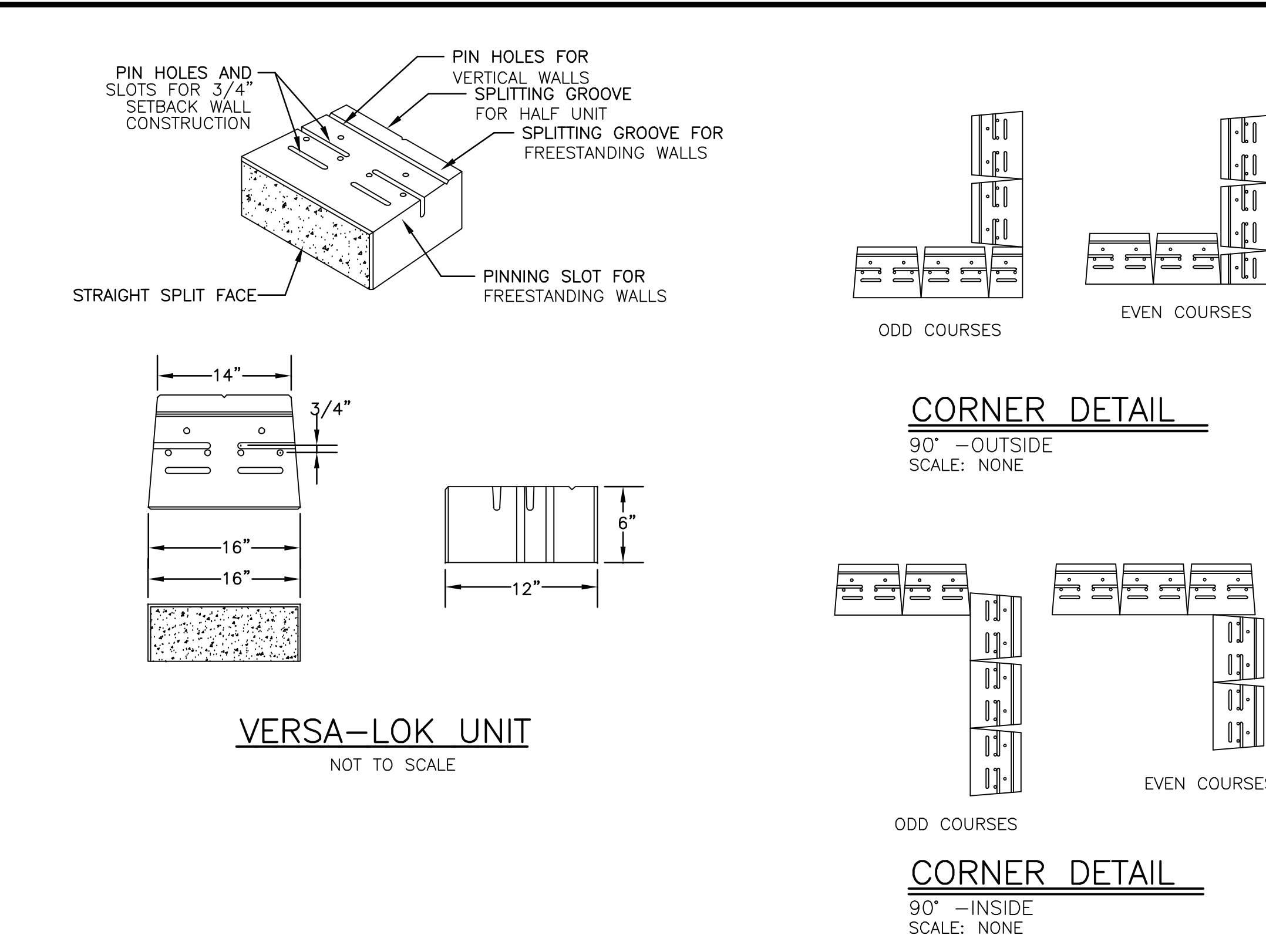
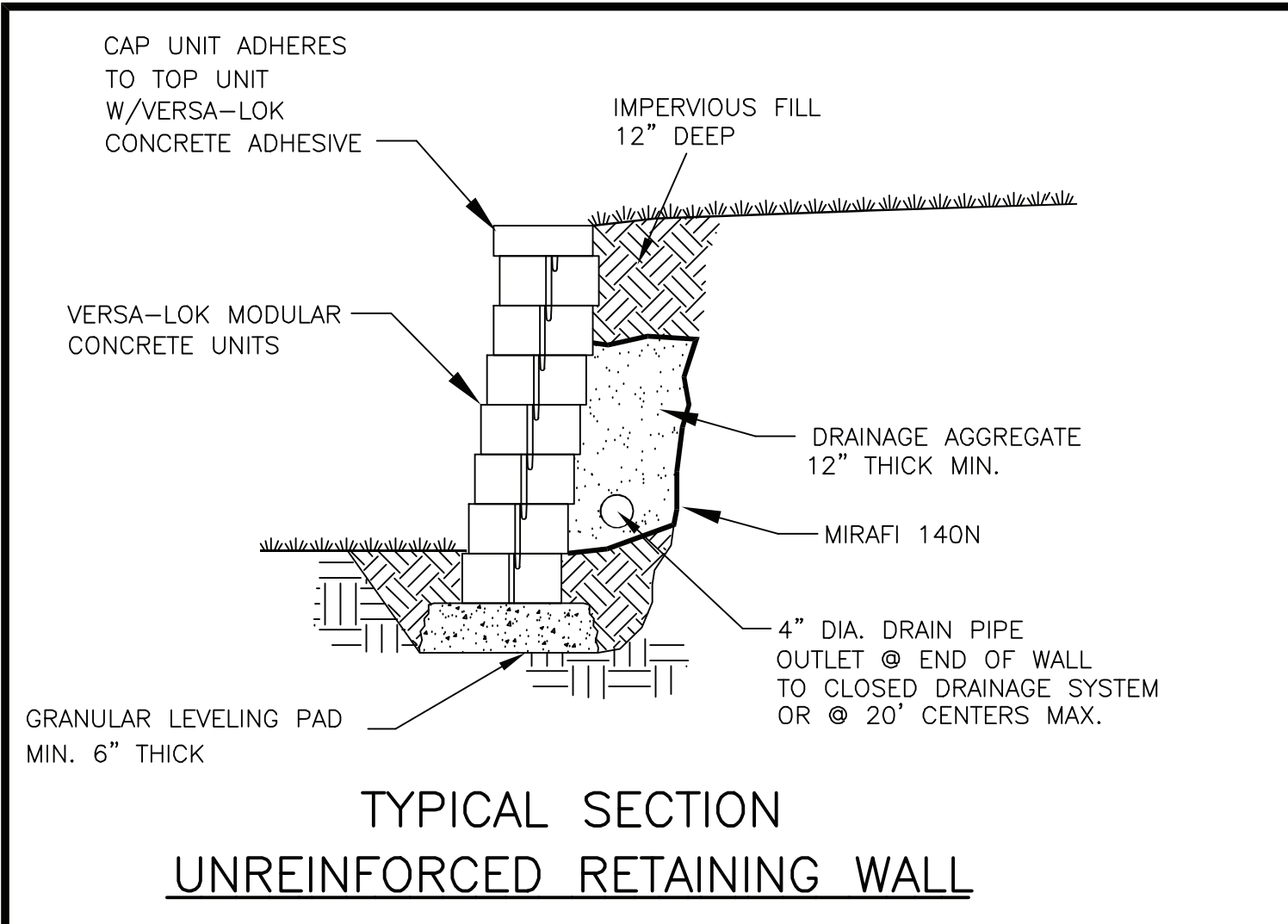
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DATE: 1-10-22  
SCALE: DETAILS  
DRAWN BY: M:AM  
DESIGN BY: MEB  
APPROVED BY: JPC  
PROJECT NO: 22102  
FILE: 22102-SITE

NO. \_\_\_\_\_  
REVISION \_\_\_\_\_  
APP'D \_\_\_\_\_  
DATE \_\_\_\_\_

CIVILWORKS NEW ENGLAND  
181 Watson Road, PO Box 1166  
Dover, New Hampshire 03821  
603.749.0443





**RETAINING WALL SYSTEM**

**PART 1.0 - GENERAL**

- 1.1 This work shall consist of furnishing all components and erecting a retaining wall system in accordance with these specifications and in close conformity with the lines, grades, design and dimensions shown on the plans or as ordered.
- 1.2 This following type of retaining wall systems are acceptable to be used on this project:  
Versa-Lock, Nashua, NH - (603) 883-3042

**1.3 STRUCTURAL AND GEOTECHNICAL DESIGN REQUIREMENTS**

- A. The design of the wall system shall be by the Manufacturer.
- B. Minimum safety factors shall be as follows:
  1. Overturning: 2.0
  2. Base Sliding: 1.5
  3. Global Stability: 1.3
  4. Grid Pullout: 1.5
- C. Allowable Net Bearing Pressure = 6 kips per square foot  
Moist Soil Unit Weight = 125 pounds per cubic foot  
Friction Angle = 32 degrees
- D. Design loading shall consider seismic loads in accordance with the Connecticut State Building Code.

**1.4 REQUIREMENTS FOR CONTRACTOR PREPARED DESIGN AND PLANS**

- A. The final design to be submitted prior to award of contract and shall include detailed design computations and all details, dimensions, quantities and cross sections necessary to construct the wall. The design shall conform to all of the requirements outlined in section 1.3 above. The fully detailed plans shall be on permanent, archival quality, 24" x 36" double matte mylar with Project Name, Number and Design Firm. The plans to be submitted shall include, but not be limited to, the following items:
  1. A plan and elevation sheet or sheets for each wall, containing the following:
    - a. An elevation view of the wall which shall indicate the elevation at the top of the wall, at all horizontal and vertical break points and at least every fifty (50) feet along the wall, elevations at the top of leveling pads, the designation as to the type of unit, and the location of the original and final ground line.
    - b. A plan view of the wall which shall indicate the offset from the construction centerline or baseline to the face of the wall at all changes in horizontal alignment and the limit of the widest unit.
    - c. Any general notes required for design and construction of the wall.
    - d. All horizontal and vertical curve data affecting wall construction.
  2. All details for leveling pads, as well as allowable and calculated maximum bearing pressures.
  3. Detailed design computations.

**GENERAL NOTES**

1. SEGMENTAL CONCRETE UNIT RETAINING WALL SHALL BE PROVIDED BY VERSA-LOK OR APPROVED EQUAL.
2. RETAINING WALL DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS.
3. STRIP VEGETATION AND ORGANIC SOIL FROM WALL AND GEOSYNTHETIC ALIGNMENT.
4. BENCH CUT ALL EXCAVATED SLOPES.
5. DO NOT OVER EXCAVATE UNLESS DIRECTED BY SITE SOIL ENGINEER TO REMOVE UNSUITABLE SOIL.
6. SITE SOILS ENGINEER SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN STANDARDS AND PARAMETERS.
7. LEVELING PAD SHALL CONSIST OF COMPACTED COARSE SAND OR CRUSHED GRAVEL, 6" THICK MIN.
8. CONTRACTOR MAY OPT FOR A LEAN CONCRETE PAD. CONCRETE PAD SHALL BE UNREINFORCED, 3" THICK MAXIMUM.
9. MINIMUM EMBEDMENT OF WALL BELOW FINISH GRADE SHALL BE 6" FOR WALL HEIGHTS UNDER 4 FT. AND 12" FOR WALLS OVER 4 FT. UNLESS SHOWN DIFFERENTLY.
10. FOR UNITS TO BE EMBEDDED, COMPACT FILL IN FRONT OF UNITS AT THE SAME TIME FILL BEHIND UNITS IS COMPACTED.
11. DRAINAGE AGGREGATE SHALL BE INSTALLED DIRECTLY BEHIND THE WALL WITHIN 12" OF THE TOP OF THE WALL. DRAINAGE AGGREGATE SHALL NOT EXTEND BELOW FINAL GRADE IN FRONT OF WALL.
12. COMPACTION SHALL BE TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY.(ASTM D-698)
13. COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED. THE MINIMUM NUMBER OF TESTS SHALL BE DETERMINED BY THE SITE SOILS ENGINEER.
14. COMPACTION WITHIN 3 FT. OF WALL SHALL BE LIMITED TO HAND OPERATED EQUIPMENT.
15. SEE ELEVATION DRAWINGS FOR GEOSYNTHETIC TYPE, LENGTH AND LOCATION REQUIRED.
16. GEOSYNTHETIC SHALL BE PLACED WITH STRONGEST DIRECTION PERPENDICULAR TO WALL. FOLLOW GEOSYNTHETIC MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
17. CONTRACTOR SHALL DIRECT SURFACE RUNOFF TO AVOID DAMAGING WALL WHILE UNDER CONSTRUCTION.
18. ANY SURFACE DRAINAGE FEATURES, FINISH GRADING, PAVEMENT, OR TURF SHALL BE INSTALLED IMMEDIATELY AFTER WALL IS COMPLETED.
19. FOLLOW APPLICABLE PROVISIONS OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.

**RETAINING WALL NOTES**

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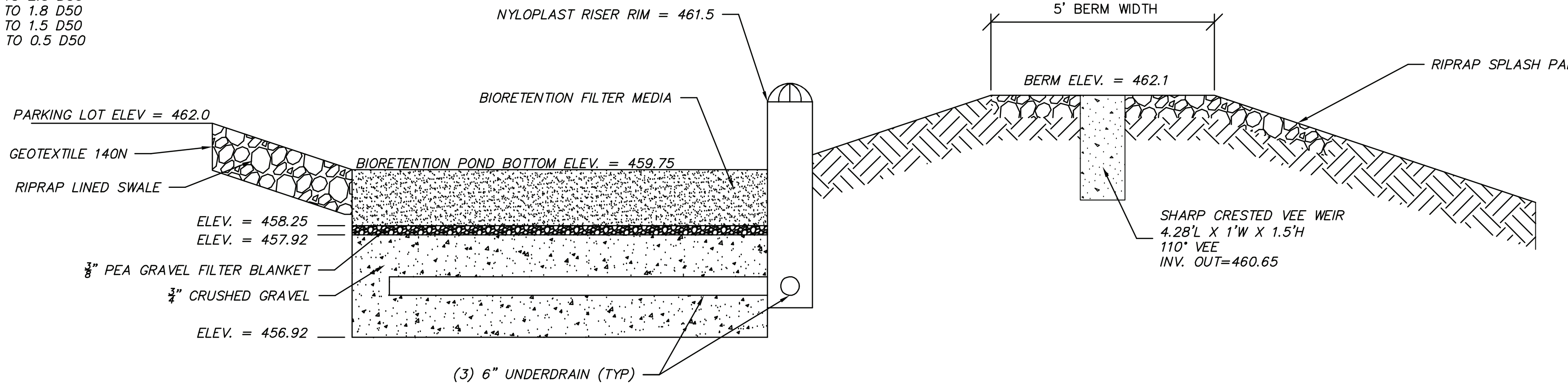
DATE: 1-10-22	SCALE: DETAILS	DRAWN BY: MAM	DESIGN BY: MEB	APPROVED BY: JPC	PROJECT NO: 22102	SITE NO.	NO.	
<b>ATLANTIC BROADBAND (CT) LLC</b> 689 OLD COLCHESTER ROAD UNCASVILLE, CT								
<b>BREEZELINE UNCASVILLE CT</b> 689 OLD COLCHESTER ROAD UNCASVILLE, CT								
<b>DETAIL SHEET</b>								<b>10</b>

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STONE GRADATION

% OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE
100	1.5 TO 2.0 D50
85	1.3 TO 1.8 D50
50	1.0 TO 1.5 D50
15	0.3 TO 0.5 D50



BIORETENTION FILTER MEDIA SPECIFICATIONS			
COMPONENT MATERIAL	PERCENT OF MIXTURE BY VOLUME	GRADATION OF MATERIAL	
		SIEVE NO.	PERCENT BY WEIGHT PASSING STANDARD SIEVE
FILTER MEDIA OPTION A			
ASTM C-33 CONCRETE SAND	50 TO 55		
LOAMY SAND TOPSOIL, WITH FINES AS INDICATED	20 TO 30	200	15 TO 25
MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH, WITH FINES AS INDICATED	20 TO 30	200	< 5
FILTER MEDIA OPTION B			
MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH, WITH FINES AS INDICATED	20 TO 30	200	< 5
LOAMY COARSE SAND	70 TO 80	10	85 TO 100
		20	70 TO 100
		60	15 TO 40
		200	8 TO 15

NOTES:

- CONSTRUCT GRASSSED OVERFLOW SPREADER EARLY DURING INITIAL CONSTRUCTION TO ESTABLISH TURF PRIOR TO CONSTRUCTION OF BIORETENTION SYSTEM.
- DO NOT BEGIN CONSTRUCTION OF THE BIORETENTION AREA UNTIL LAWN AREA ON THE ENTIRE SITE AREA ESTABLISHED WITH AT LEAST 80 PERCENT TURF. FILTER ALL DRAIN INLETS IN THE SEDIMENT FOREBAYS TO PREVENT SILTATION INTO THE BIORETENTION AREA.
- THE BIORETENTION POND SUBGRADE SHALL BE EXCAVATED TO THE DESIGN DEPTH PLUS TWO (2) INCHES. AT THAT DEPTH FOUR (4) INCHES OF COMPOST SHALL BE TILLED INTO THE EXISTING SOILS SUCH THAT THE SOILS ARE WELL MIXED.
- DO NOT DRIVE CONSTRUCTION EQUIPMENT ON FILTER SUBGRADE NOR ON THE FILTER MATERIAL. INSTALL FILTER MATERIAL BY MEANS OF AN EXCAVATOR LOCATED ADJACENT TO THE FILTER AREA.
- MATERIALS: STONE SHALL CONTAIN NO MORE THAN 5% FINES PASSING THE #200 SIEVE. TOPSOIL SHALL CONTAIN 15 TO 25% FINES PASSING THE #200 SIEVE. MULCH SHALL BE SHREDDED HARDWOOD, AGES IN A STOCKPILE OR STORED FOR AT LEAST 12 MONTH. NON-WOVEN GEOTEXTILE BE 4 TO 6 OZ. PER SQUARE YARD WITH A.O.S. OF #70 SIEVE OR LOWER, AND A MINIMUM FLOW RATE OF 125 GAL PER SQUARE FEET.
- REFER TO LANDSCAPING DRAWINGS FOR GRASS SEED MIXES AND PLANTINGS. FERTILIZATION OF THE FILTER AREA SHALL BE AVOIDED UNLESS ABSOLUTELY NECESSARY TO ESTABLISH VEGETATION.
- INITIAL ESTABLISHMENT: DURING THE FIRST 2-3 MONTHS OF ESTABLISHMENT WATER THE GARDEN ON A WEEKLY BASIS (TO SUPPLEMENT RAINFALL FOR TOTAL OF 1 INCH PER WEEK).
- ANNUAL MAINTENANCE: IN THE SPRING OF EACH YEAR, ANY DEAD VEGETATION SHALL BE REMOVED TO ALLOW FOR NEW GROWTH, AND ANY ACCUMULATED SEDIMENT (NORMALLY AT THE ENTRANCE TO THE GARDEN) SHALL ALSO BE REMOVED. DURING THE GROWING SEASON THE RAIN GARDEN SHALL BE WEDED TWO (2) TIMES AND ADDITIONAL HARDWOOD MULCH SHALL BE ADDED AS NEEDED TO ASSIST IN WEED SUPPRESSION. TURF AT FILTER SHALL BE MOWED NO MORE THAN 3 TIMES PER GROWING SEASON. IF WATER PONDS ON THE SURFACE FOR MORE THAN 24 HOURS DURING THE FIRST YEAR OR 72 HOURS THEREAFTER, THE FILTER SURFACE SHALL BE AERATED WITH DEEP TINES OR THE SURFACE REPLACED.
- PLANTINGS SHALL BE NATIVE NON-INVASIVE SPECIES.

CONCRETE NOTES:

- CONCRETE SHALL CONFORM TO NHDOT SECTION 520 CLASS AAA CONCRETE WITH A 5000 PSI MINIMUM COMPRESSIVE STRENGTH, MAXIMUM WATER/CEMENT RATIO OF 0.400, USING HIGH RANGE WATER REDUCING ADMIXTURE AND CONTAINING FROM 5 TO 9 PERCENT ENTRAINED AIR.
- REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60; FUSION BONDED EPOXY COATED TO ASTM A775.
- CLEARANCES FOR REINFORCEMENT SHALL BE 3" OF CLEAR COVER AT ALL EXPOSED SURFACES OR OTHER FORMED SURFACES, UNLESS OTHERWISE NOTED.
- CONSTRUCTION JOINTS SHALL NOT BE USED, UNLESS APPROVED OTHERWISE.
- REINFORCING SHALL BE FULLY SUPPORTED AND BE AT THE CORRECT LOCATION, SPACING AND CLEARANCE AT THE TIME THE CONCRETE IS PLACED.
- ALL CONCRETE SHALL BE PLACED IN DEWATERED CONDITIONS UNLESS OTHERWISE APPROVED FOR TREMIE PLACEMENT.
- WET CURING OF CAST-IN-PLACE CONCRETE IS TO BEGIN WITHIN 90 MINUTES AFTER CONCRETE FINAL SET.
- ALL FORMWORK FOR CIP CONCRETE SHALL BE LEFT IN PLACE AND CONCRETE SURFACES SHALL BE COVERED AND KEPT WET FOR A PERIOD OF NOT LESS THAN THREE (3) FULL DAYS AFTER CONCRETE PLACEMENTS.
- ALL EXPOSED FERROUS METAL, SUCH AS FORM TIES, NO LONGER IN USE SHALL BE RECESSED OR REMOVED TO A DEPTH OF ONE INCH BELOW THE SURFACE OF THE CONCRETE AND PATCHED WITH AN APPROVED POLYMER-MODIFIED CEMENTITIOUS MORTAR.
- EXPOSED CONCRETE TOP SURFACES SHALL BE TROWEL FINISHED.
- ALL CONCRETE, MORTAR AND GROUT SHALL USE TYPE II PORTLAND CEMENT. LIME IS NOT PERMITTED.
- THE CONTRACTOR SHALL PROVIDE CONCRETE TESTING INCLUDING AIR CONTENT AND COMPRESSIVE STRENGTH FOR EACH TRUCK LOAD TO SHOW CONFORMANCE WITH NH DOT CLASS AAA REQUIREMENTS. AIR CONTENT TESTS SHALL BE COMPLETED AT THE BEGINNING OF EACH TRUCK LOAD TO SHOW CONFORMANCE PRIOR TO ANY CONCRETE PLACEMENT INTO FORMS AND WITHIN LESS THAN 90 MINUTES FROM BATCHING. SUBMIT FIELD AND LAB TEST RESULTS.

SHEET PILE NOTES:

- SHEET PILES SHALL BE HOT ROLLED PZC13 OR EQUIVALENT, ASTM A572 GRADE 50 STEEL.
- DRIVE SHEET PILES TO THE SPECIFIED TIP ELEVATION, OR REFUSAL USING A VIBRATORY HAMMER WITH A RATED DRIVING FORCE OF AT LEAST 20 TONS, OPERATED IN GOOD CONDITION AND AT RATED SPEED/PRESSURE. IF ROOTS OR OTHER TIMBER CAUSES REFUSAL, THE CONTRACTOR SHALL POINT THE TIP END OF THE SHEETS BY CUTTING THE SHEET INTERLOCK TO A POINT AND REDRIVE. IF HARD DRIVING IS ENCOUNTERED, THE SHEETS SHALL BE ADVANCED IN PARTIAL PROGRESSION SEQUENCE PER INDUSTRY STANDARDS. DRIVE SHEETS WITH BALL END LEADING WHERE EVER POSSIBLE. REMOVE AND REPLACE SHEETS FOUND TO BE OUT OF INTERLOCK.
- CONTRACTOR SHALL PULL, ALLOW INSPECTION, AND REDRIVE ANY SHEET SUSPECTED OF BEING DAMAGED DURING DRIVING, DURING THE SHEET PILE INSTALLATION PERIOD.

RIP-RAP

- 4 FOOT STONE:  
 MAX WT = NO LIMIT  
 AVG WT = 4.0 TONS  
 MIN WT = 3.0 TONS

- 12 INCH RIPRAP STONE:  
 MAX WT = 200 POUNDS  
 AVG WT = 100 POUNDS  
 MIN WT = 80 POUNDS

STONE SHALL BE MACHINE PLACED TO FORM A COMPACTED DENSE MASS. THE RIPRAP STONE LAYERS SHALL USE HARD DURABLE STONE WITHIN THE SPECIFIED SIZE RANGE WELL INTERLOCKED WITH MINIMAL VOIDS BETWEEN STONES.

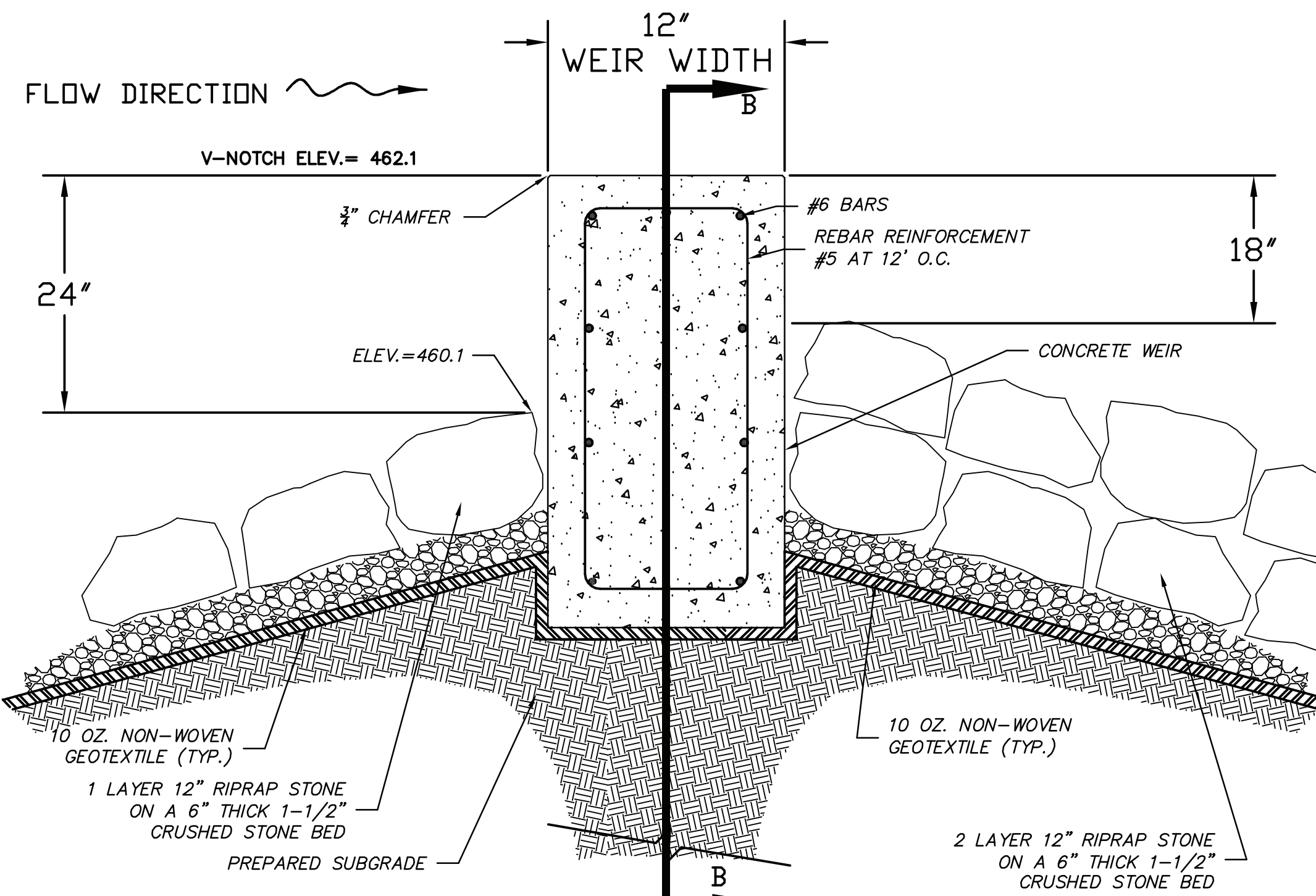
GEOTEXTILE SHALL BE A BLACK NON-WOVEN GEOTEXTILE MIN. 10 OZ/SY, SUCH AS PROPEX 4510 (GEOTEX 1071) OR EQUAL MEETING:

MINIMUM PHYSICAL REQUIREMENTS FOR GEOTEXTILE

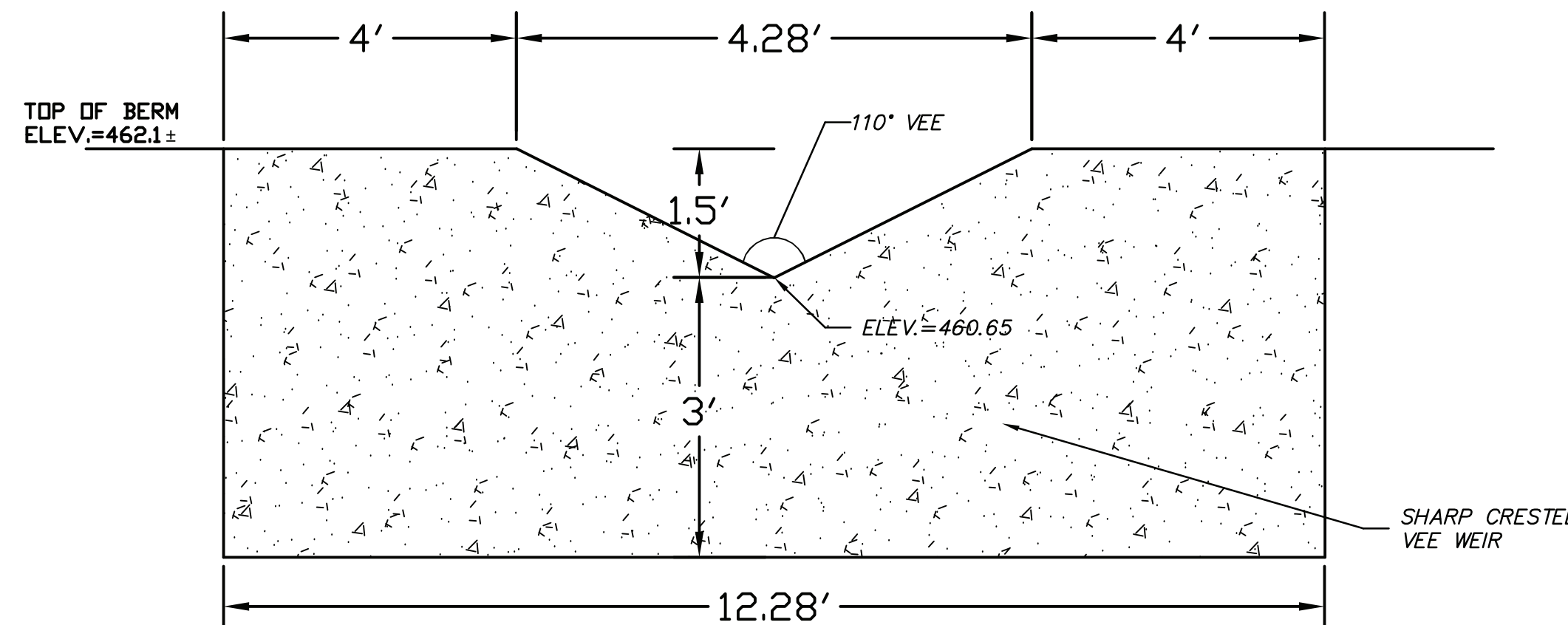
PROPERTY	UNITS	ACCEPTABLE VALUES	TEST METHOD
GRAB STRENGTH	LBS	250	ASTM D 4632
SEAM STRENGTH	LBS	250	ASTM D 4632
PUNCTURE	LBS	150	ASTM D 4833
TRAPEZOIDAL TEAR	LBS	100	ASTM D 4533
APPARENT OPENING SIZE	U.S. SIEVE	100	ASTM D 4751

BIORETENTION SYSTEM DETAIL (BR 1)

NOT TO SCALE



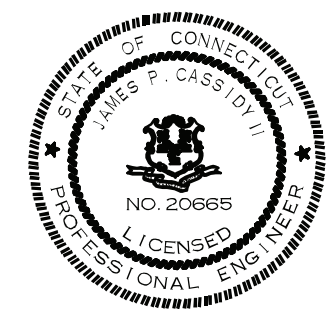
WEIR CROSS SECTION A-A  
 SCALE: NOT TO SCALE



WEIR SECTION B-B  
 LOOKING AT WEIR IN  
 DIRECTION OF WATER FLOW  
 SCALE: NOT TO SCALE

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1-10-22	DATE			
	DETAILS			
	DRAWN BY: MAM			
	DESIGN BY: WEB			
	APPROVED BY: JPC			
	PROJECT NO: 22102			
	FILE: 22102-SITE			

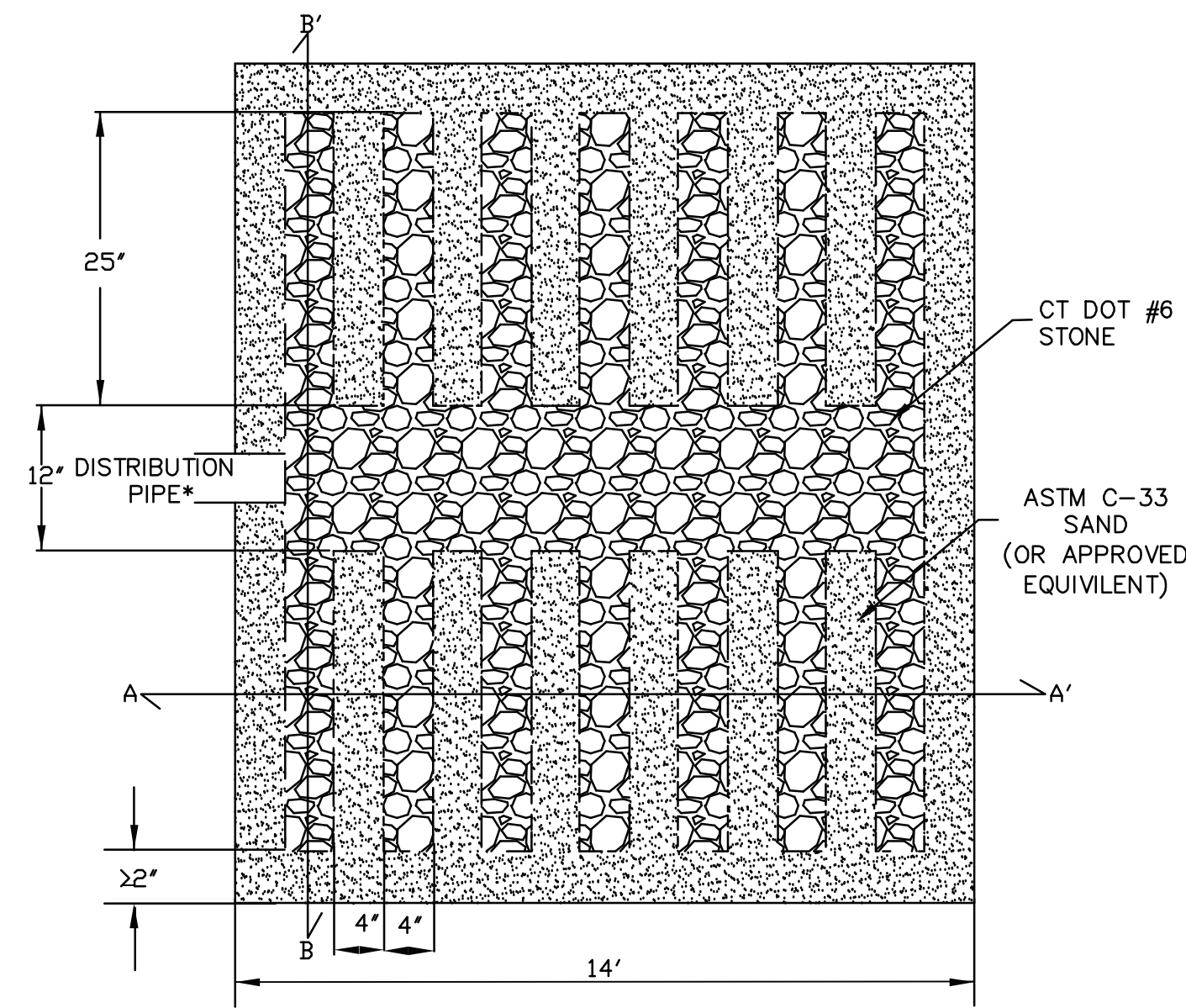


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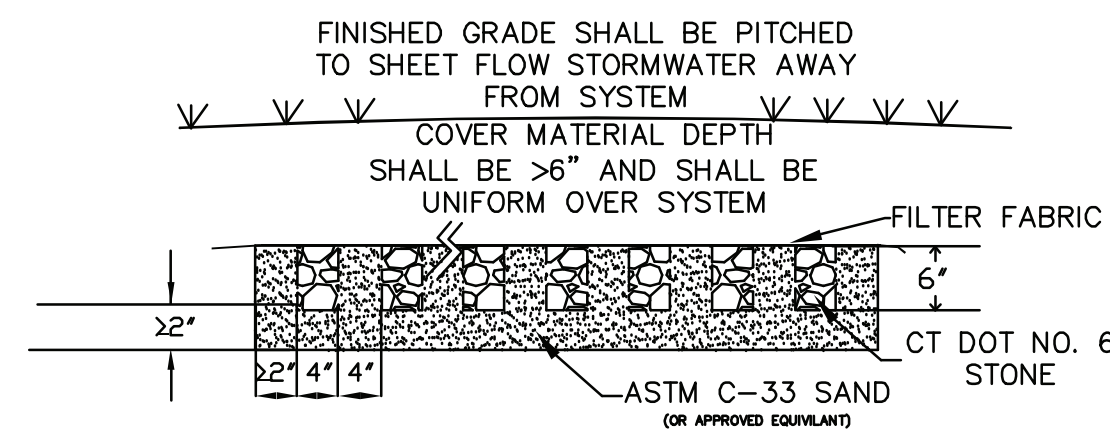
DETAIL SHEET



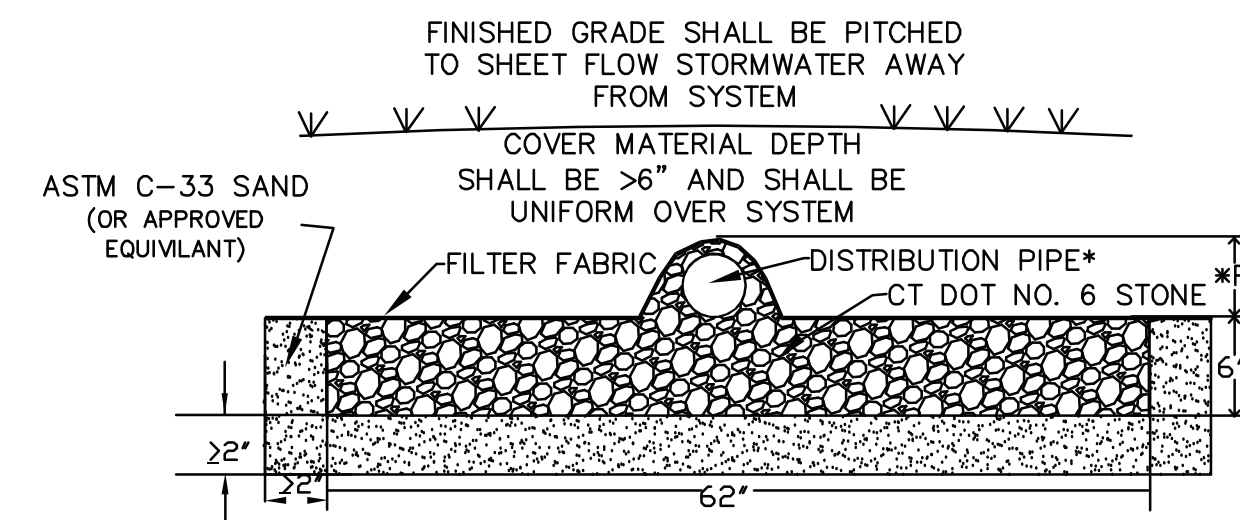


\*3" min. I.D., ASTM D-3034, SDR 35 pipe for gravity applications  
 0.75" min. I.D., ASTM D-2665, SCH 40 PVC pipe for pressure applications

GST LEACHING SYSTEM  
PLAN VIEW  
 NOT TO SCALE

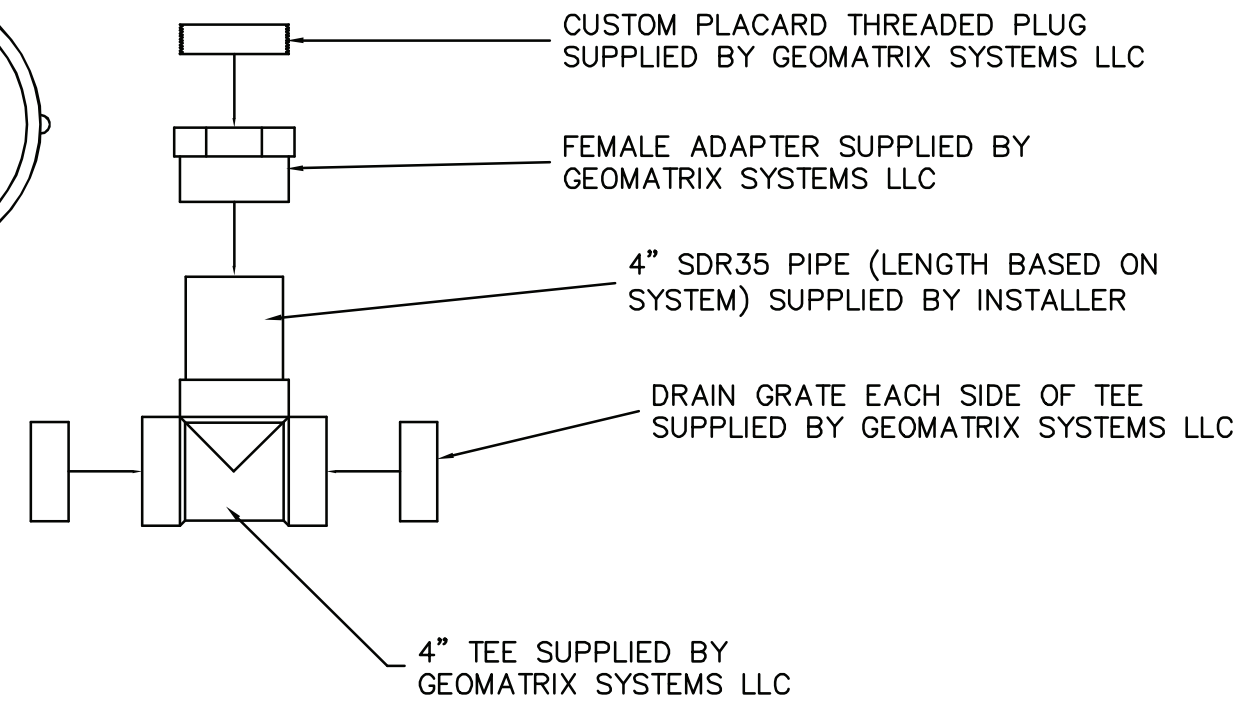
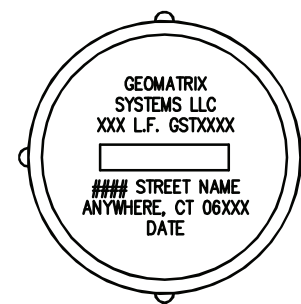


GEOMATRIX GST LEACHING SYSTEM  
A-A' CROSS SECTION  
 NOT TO SCALE



\*P= 2" - 5.5"  
 \*3" MIN. I.D., ASTM D-3034, SDR 35 PIPE FOR GRAVITY APPLICATIONS  
 0.75" MIN. I.D., ASTM D-2665, SCH 40 PVC PIPE FOR PRESSURE APPLICATIONS

GEOMATRIX GST LEACHING SYSTEM  
B-B' CROSS SECTION  
 NOT TO SCALE



INSPECTION PORT DETAIL  
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DRAWN BY: M.M	REVISION
DESIGN BY: MEB	APP'D
APPROVED BY: JPC	DATE
PROJECT NO: 22102	
FILE: 22102-SITE	
<b>ATLANTIC BROADBAND (CT) LLC</b> 689 OLD COLCHESTER ROAD UNCASVILLE, CT	
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