



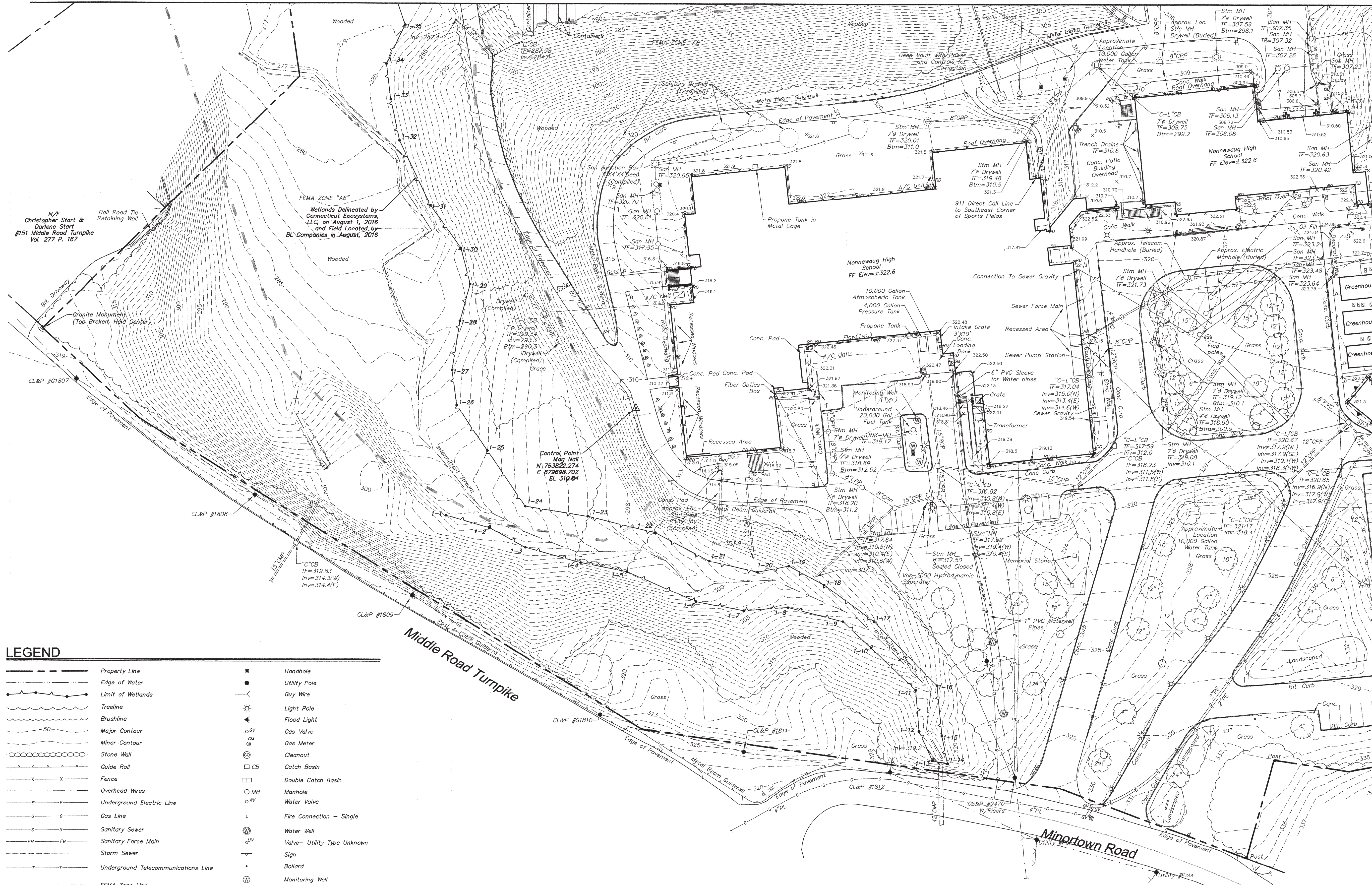






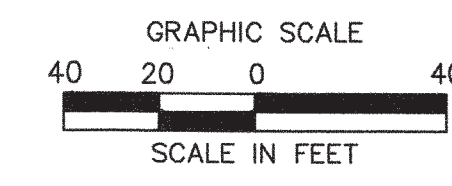


MATCHLINE - SEE SHEET 4 OF 5



LEGEND

- |  |                                     |  |   |
|--|-------------------------------------|--|---|
|  | Property Line                       |  | Handhole                                |
|  | Edge of Water                       |  | Utility Pole                            |
|  | Limit of Wetlands                   |  | Guy Wire                                |
|  | Treeline                            |  | Light Pole                              |
|  | Brushline                           |  | Flood Light                             |
|  | Major Contour                       |  | Gas Valve                               |
|  | Minor Contour                       |  | Gas Meter                               |
|  | Stone Wall                          |  | Cleanout                                |
|  | Guide Rail                          |  | Catch Basin                             |
|  | Fence                               |  | Double Catch Basin                      |
|  | Overhead Wires                      |  | Manhole                                 |
|  | Underground Electric Line           |  | Water Valve                             |
|  | Gas Line                            |  | Fire Connection - Single                |
|  | Sanitary Sewer                      |  | Water Well                              |
|  | Sanitary Force Main                 |  | Valve - Utility Type Unknown            |
|  | Storm Sewer                         |  | Sign                                    |
|  | Underground Telecommunications Line |  | Bollard                                 |
|  | FEMA Zone Line                      |  | Monitoring Well                         |
|  | Shrub                               |  | A/C Unit                                |
|  | Deciduous Tree                      |  | Irrigation Control Box                  |
|  | Coniferous Tree                     |  | Rock/Boulder                            |
|  |                                     |  | Roof Drain                              |
|  |                                     |  | Roof Drain Flow Direction (Underground) |

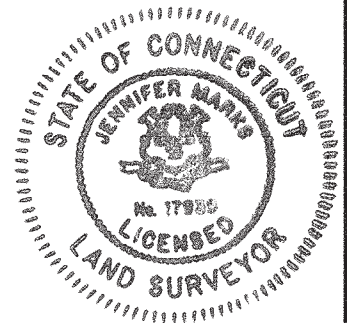


MATCHLINE - SEE SHEET 3 OF 5



ARCHITECTURE  
ENGINEERING  
ENVIRONMENTAL  
LAND SURVEYING

355 Research Parkway  
Meriden, CT 06450  
(203) 630-1406  
(203) 630-2615 Fax



REGIONAL SCHOOL DISTRICT #14  
5 MINORTOWN ROAD  
WOODBURY, CONNECTICUT

REVISIONS	Desc.
No.	Date
Surveyed	AV,PM,SC
Drawn	AV
Checked	MG
Approved	MG
Scale	1"=40'
Project No.	16S2927
Date	8/26/16
Field Book	502
CAD File:	EX16S292701

BOUNDARY/  
TOPOGRAPHIC  
SURVEY

Sheet No.  
**2 OF 5**

Apr 21, 2017, 3:55pm pincourt.g...  
Layout: EX-2 24x36 40SC

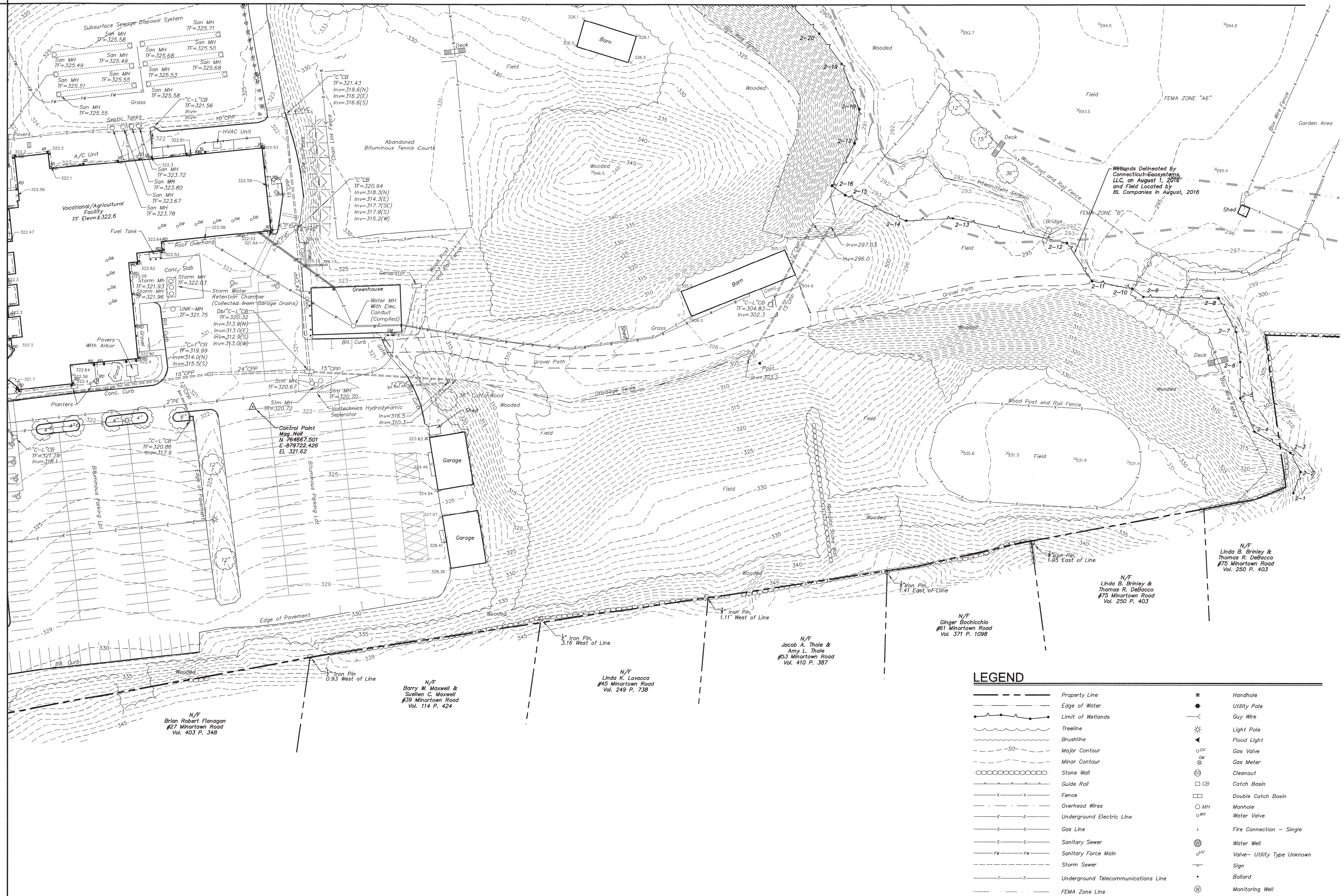
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Xref (p) : XY16S292701



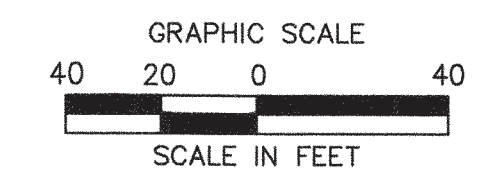
MATCHLINE - SEE SHEET 5 OF 5

MATCHLINE - SEE SHEET 2 OF 5



**LEGEND**

	Property Line		Handhole
	Edge of Water		Utility Pole
	Limit of Wetlands		Guy Wire
	Treeline		Light Pole
	Brushline		Flood Light
	Major Contour		Gas Valve
	Minor Contour		Gas Meter
	Stone Wall		Cleanout
	Guide Rail		Catch Basin
	Fence		Double Catch Basin
	Overhead Wires		Manhole
	Underground Electric Line		Water Valve
	Gas Line		Fire Connection - Single
	Sanitary Sewer		Water Well
	Sanitary Force Main		Valve - Utility Type Unknown
	Storm Sewer		Sign
	Underground Telecommunications Line		Bollard
	FEMA Zone Line		Monitoring Well
	Shrub		A/C Unit
	Deciduous Tree		Rock/Boulder
	Coniferous Tree		Roof Drain
			Roof Drain Flow Direction (Underground)



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REVISIONS	Date	No.	Desc.

Surveyed AV,PM,SC  
Drawn AV  
Checked MG  
Approved MG  
Scale 1"=40'  
Project No. 1652927  
Date 8/26/16  
Field Book 502

CAD File: EX165292701

Title  
**BOUNDARY/  
TOPOGRAPHIC  
SURVEY**

Sheet No.  
**3 OF 5**





Nonnewaug River

Wetlands delineated by Connecticut Ecosystems, LLC, on August 1, 2016 and Field Located by BL Companies in August, 2016

Control Point  
Rebar  
N 76.3631.527  
E 87.9697.017  
EL 279.33

N/F  
Town of Woodbury  
Vol. 264 P. 897

N/F  
Gurali Cenkelli  
#143 Middle Road Turnpike  
Vol. 280 P. 63

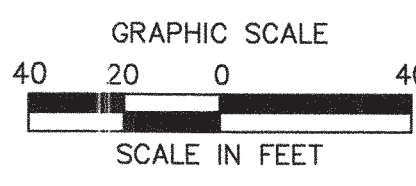
N/F  
Christopher Start &  
Dorena Start  
#151 Middle Road Turnpike  
Vol. 277 P. 167

LEGEND

- Property Line
  - Edge of Water
  - Limit of Wetlands
  - Treeline
  - Brushline
  - Major Contour
  - Minor Contour
  - Stone Wall
  - Guide Rail
  - Fence
  - Overhead Wires
  - Underground Electric Line
  - Gas Line
  - Sanitary Sewer
  - Sanitary Force Main
  - Storm Sewer
  - Telecommunications Line
  - FEMA Zone Line
- 
- Shrub
  - Deciduous Tree
  - Coniferous Tree
  - Handhole
  - Utility Pole
  - Guy Wire
  - Light Pole
  - Flood Light
  - Gas Valve
  - Gas Meter
  - Cleanout
  - Catch Basin
  - Double Catch Basin
  - Manhole
  - Water Valve
  - Fire Connection - Single
  - Water Well
  - Valve - Utility Type Unknown
  - Sign
  - Bollard
  - Monitoring Well
  - A/C Unit
  - Irrigation Control Box
  - Rock/Boulder

MATCHLINE - SEE SHEET 5 OF 5

MATCHLINE - SEE SHEET 2 OF 5

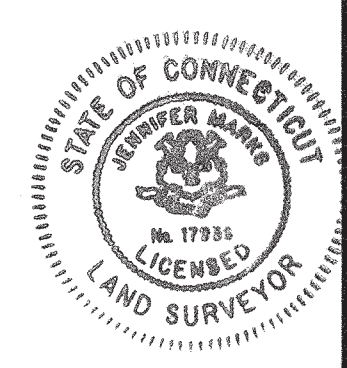


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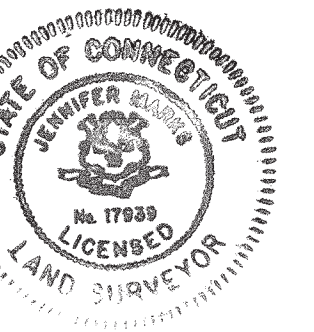


REGIONAL SCHOOL DISTRICT #14  
5 MINORTOWN ROAD  
WOODBURY, CONNECTICUT

REVISIONS	No.	Date	Desc.
Surveyed	AV,PM,SC		
Drawn	AV		
Checked	MG		
Approved	MG		
Scale	1"=40'		
Project No.	16S2927		
Date	8/26/16		
Field Book	502		
CAD File:	EX16S292701		
Title	BOUNDARY/ TOPOGRAPHIC SURVEY		

Sheet No.  
**4 OF 5**

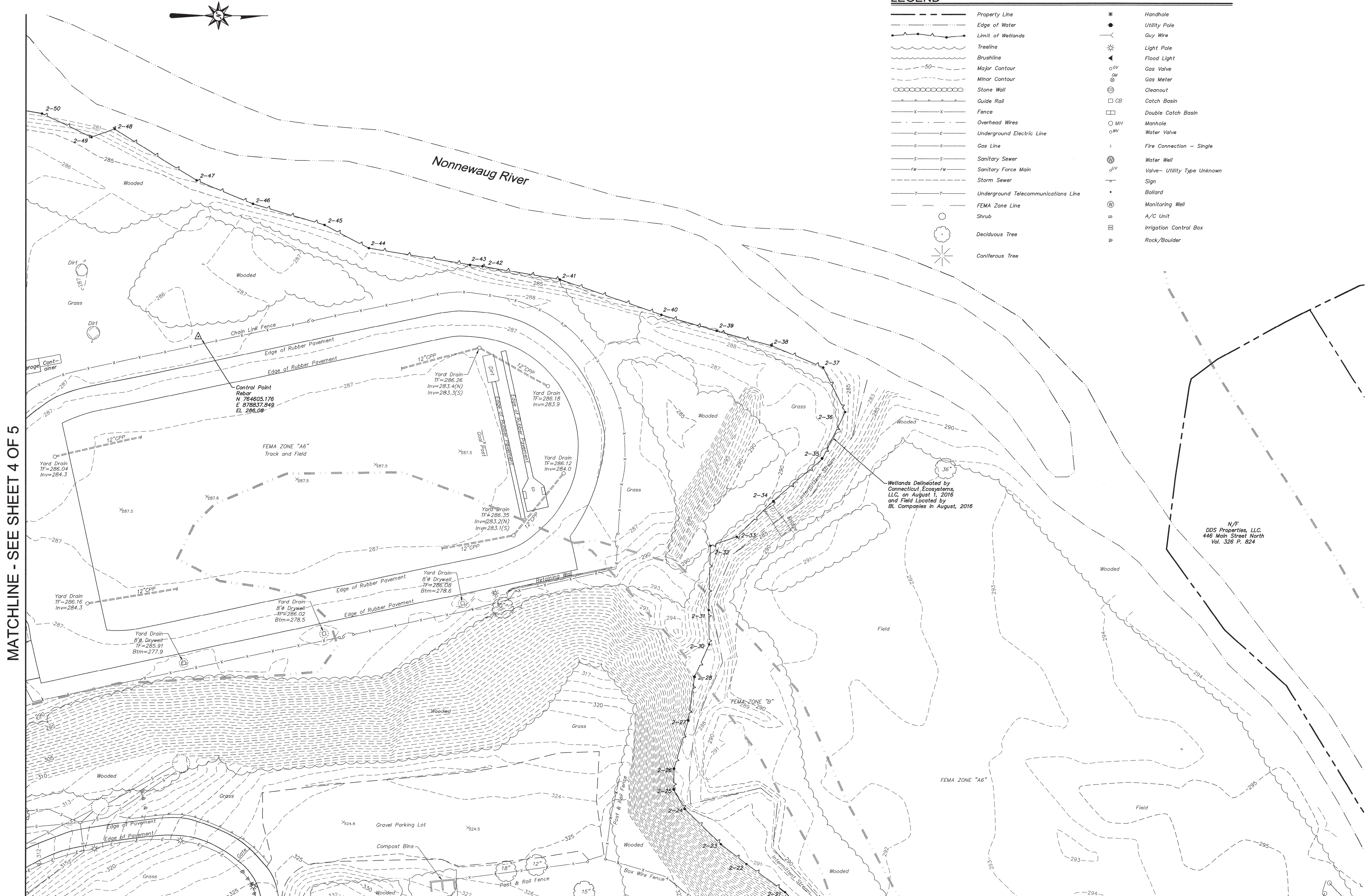




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Title	<b>BOUNDARY/ TOPOGRAPHIC SURVEY</b>		
Sheet No.	<b>5 OF 5</b>		

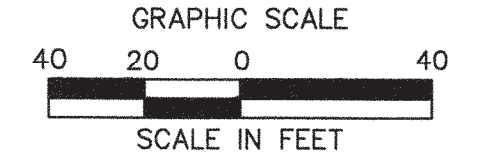
**LEGEND**

- — — — — Property Line
- — — — — Edge of Water
- — — — — Limit of Wetlands
- — — — — Treeline
- — — — — Brushline
- — — — — Major Contour
- — — — — Minor Contour
- — — — — Stone Wall
- — — — — Guide Rail
- — — — — Fence
- — — — — Overhead Wires
- — — — — Underground Electric Line
- — — — — Gas Line
- — — — — Sanitary Sewer
- — — — — Sanitary Force Main
- — — — — Storm Sewer
- — — — — Underground Telecommunications Line
- — — — — FEMA Zone Line
- — — — — Shrub
- — — — — Deciduous Tree
- — — — — Coniferous Tree
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- Guy Wire
- ⊙ Light Pole
- ⊙ Flood Light
- ⊙ Gas Valve
- ⊙ Gas Meter
- ⊙ Cleanout
- CB
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- ⊙ Water Well
- ⊙ Valve - Utility Type Unknown
- ⊙ Sign
- ⊙ Bollard
- ⊙ Monitoring Well
- ⊙ A/C Unit
- ⊙ Irrigation Control Box
- ⊙ Rock/Boulder



MATCHLINE - SEE SHEET 4 OF 5

MATCHLINE - SEE SHEET 3 OF 5



Apr. 21, 2017, 3:38pm p:\cscout\c\16S2927\DWG\EX16S292701.dwg  
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Xref (s) : XY16S292701



1

2

3

4

A

B

C

D



ZONING TABLE

ZONE: TOWN CENTER ZONE (TC)	REQUIRED:	EXISTING:	PROPOSED:
LOT AREA	60,000 S.F.	101± ACRES	101± ACRES
LOT FRONTAGE	200 FT.	526 FT.	526 FT.
FRONT YARD SETBACK	50 FT.	213 FT.	213 FT.
SIDE YARD SETBACK	30 FT.	279 FT.	279 FT.
REAR YARD SETBACK	50 FT.	1,400 FT.	1,400 FT.
ACCESSORY BUILDING – FRONT YARD SETBACK	NOT IN FRONT YARD	NA	NA
ACCESSORY BUILDING – SIDE/REAR YARD, SETBACK (<12 FT. HT.)	EQUAL TO BLDG. HT.	NA	NA
ACCESSORY BUILDING – SIDE/REAR YARD, SETBACK (12 FT. TO 20 FT. HT.)	20 FT.	61 FT.	54 FT.
ACCESSORY BUILDING – SIDE/REAR YARD, SETBACK (> 20 FT. HT.)	EQUAL TO BLDG. HT.	NA	NA
MAXIMUM LOT COVERAGE	25%	12%	12.7%
MAXIMUM BUILDING COVERAGE	10%	2.9%	3.3%
BUILDING HEIGHT	35 FT.	28 FT.	28 FT.
PARKING	365*	365	366**
ACCESSIBLE PARKING SPACES	8	16	16

\* PARKING REQUIRED FOR THE SCHOOL IN (AFTERNOON) IS THAT WHICH IS SUFFICIENT AND MAINTAIN THE USE PURPOSE.

\*\* NO ADDITIONAL IS REQUIRED, HOWEVER, SIX (6) AT THE NON-USEABLE SPACES SOUTH OF THE POLE BARN ARE NON-USEABLE, FIVE (5) SPACES ARE BEING REMOVE TO ACCOMMODATE THE HORSE ARENA ENTRANCE.



80 Glastonbury Blvd  
 Glastonbury, CT 06033-4410  
 phone 860 657.8077  
 fax 860 657.3141

www.slamcoll.com

Drawn  
**JPE, JHL**

Checked  
**WW**



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 Phone: (860) 633-8341 • Fax: (860) 633-1068



REGION 14 CENTRAL OFFICE

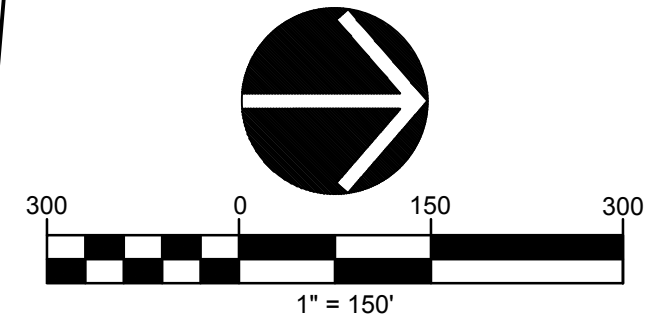
ELLIS CLARK REGIONAL  
 AGRISCIENCE & TECHNOLOGY  
 PROGRAM BUILDINGS

5 MINORTOWN ROAD  
 WOODBURY, CT 06798

KEYPLAN

Number	Date	Issued For

OVERALL SITE



Date  
**03/01/2019**

Scale

SLAM Proj. Number  
**18092.00**

State Proj. Number  
**214-0094 VA/EA**

Drawing Number  
**C-1.0**

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**REGION 14 CENTRAL OFFICE**

**ELLIS CLARK REGIONAL  
 AGRISCIENCE & TECHNOLOGY  
 PROGRAM BUILDINGS**

**5 MINORTOWN ROAD  
 WOODBURY, CT 06798**

**KEYPLAN**

Number	Date	Issued For

**SITE LAYOUT &  
 MATERIALS PLAN**

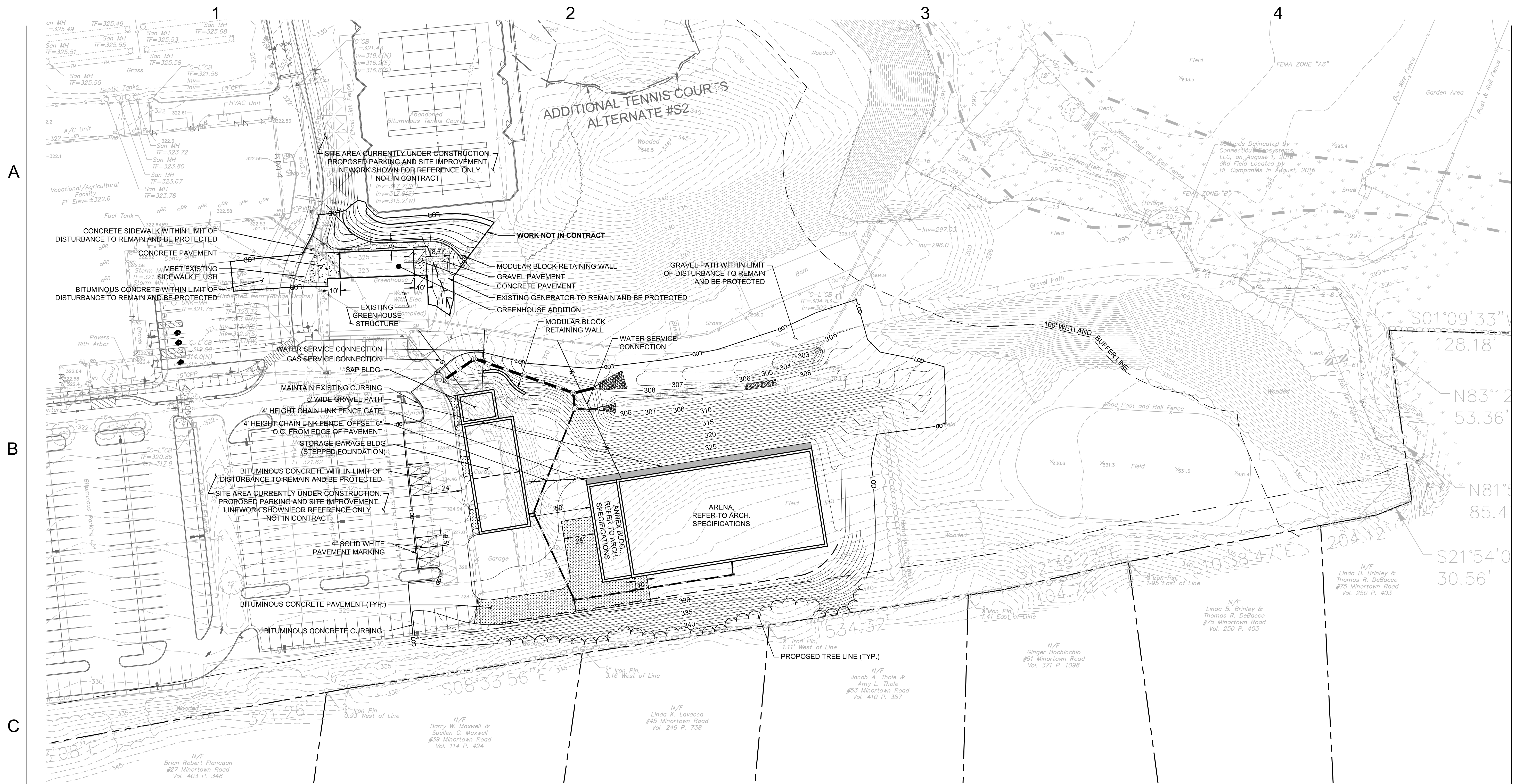
Date  
**03/01/2019**

Scale  
**1" = 40'**

SLAM Proj. Number  
**18092.00**

State Proj. Number  
**214-0094 VA/EA**

Drawing Number  
**C-3.0**



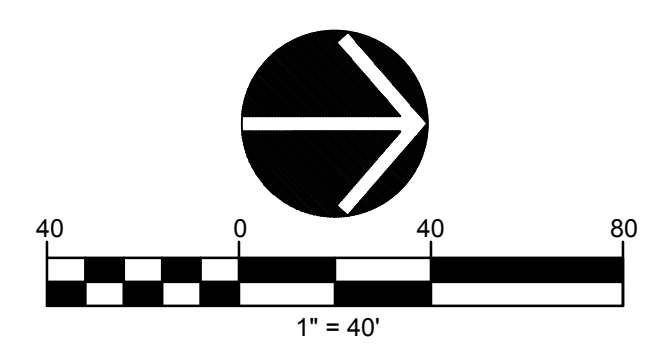
**NOTES**

- CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION, AND INVERTS AS REQUIRED.
- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
- THIS DRAWING IS INTENDED TO DEPICT THE LOCATION, LAYOUT, AND MATERIALS OF CONSTRUCTION AND IS INTENDED TO BE USED IN CONJUNCTION WITH APPLICABLE SPECIFICATION SECTIONS.
- IMPLEMENTING WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZARDS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEEDED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED.
- THE CROSS-SLOPE OF ALL SIDEWALKS AND WALKWAYS SHALL BE LESS THAN 1:50 (2%) PER CONNECTICUT BUILDING CODE.
- CONSTRUCTION AND CONTROL JOINTS: SIDEWALK REINFORCEMENT SHALL NOT CONTINUE THROUGH CONSTRUCTION JOINTS. AT CONTROL JOINTS CUT REINFORCEMENT WIRES.
- ALL NON-ACCESSIBLE PARKING SPACES ARE 9' X 18'. VERIFY OVERALL LAYOUT DIMENSIONS BASED ON THESE DIMENSIONS AND THE NUMBER OF SPACES INDICATED. FIELD-ADJUST OVERALL LAYOUT DIMENSION IN CONCERT WITH THE ENGINEER IF REQUIRED.
- DIMENSIONS INDICATED ARE TO FACE OF CURB, PAVEMENT EDGE, EDGE OR CENTERLINE OF IMPROVEMENT, OR AS OTHERWISE NOTED.
- ENGAGE A CONNECTICUT-LICENSED LAND SURVEYOR TO PERFORM LAND-SURVEYING SERVICES REQUIRED, INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF BASELINES, PROPOSED IMPROVEMENTS, DIMENSIONS AND ELEVATIONS. REPORT DISCREPANCIES TO THE ENGINEER.
- UNLESS OTHERWISE INDICATED, LINES ARE PARALLEL OR PERPENDICULAR TO LINE FROM WHICH THEY ARE MEASURED.
- ALL WORK ASSOCIATED WITH ELECTRIC DISTRIBUTION SHALL BE DONE BY A CT-LICENSED ELECTRICIAN, WHO SHALL DETERMINE THE ROUTING AND SIZING OF WIRES, CIRCUITS, CONNECTIONS AND PANELS. THE ELECTRICIAN IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH BRINGING POWER TO THE APPROPRIATE BUILDINGS FROM EXISTING FACILITIES, INCLUDING COORDINATION WITH THE OWNER AS REQUIRED. ALL NEW BUILDINGS REQUIRE ELECTRICITY.
- ALL WORK ASSOCIATED WITH WATER SERVICE CONNECTIONS SHALL INCLUDE ALL REQUIRED PIPING, JOINTS, COUPLINGS, RESTRAINTS, BENDS, ANGLES AND OTHER APPURTENANCES REQUIRED TO ACHIEVE A COMPLETE AND FUNCTIONAL WATER SERVICE. THE HORSE BARN AREA AND SAP BUILDING REQUIRE WATER.
- ALL WORK ASSOCIATED WITH GAS SERVICE CONNECTIONS SHALL INCLUDE ALL REQUIRED PIPING, JOINTS, COUPLINGS, RESTRAINTS, BENDS, ANGLES AND OTHER APPURTENANCES REQUIRED TO ACHIEVE A COMPLETE AND FUNCTIONAL GAS SERVICE. THE SAP BUILDING REQUIRES GAS SERVICE.

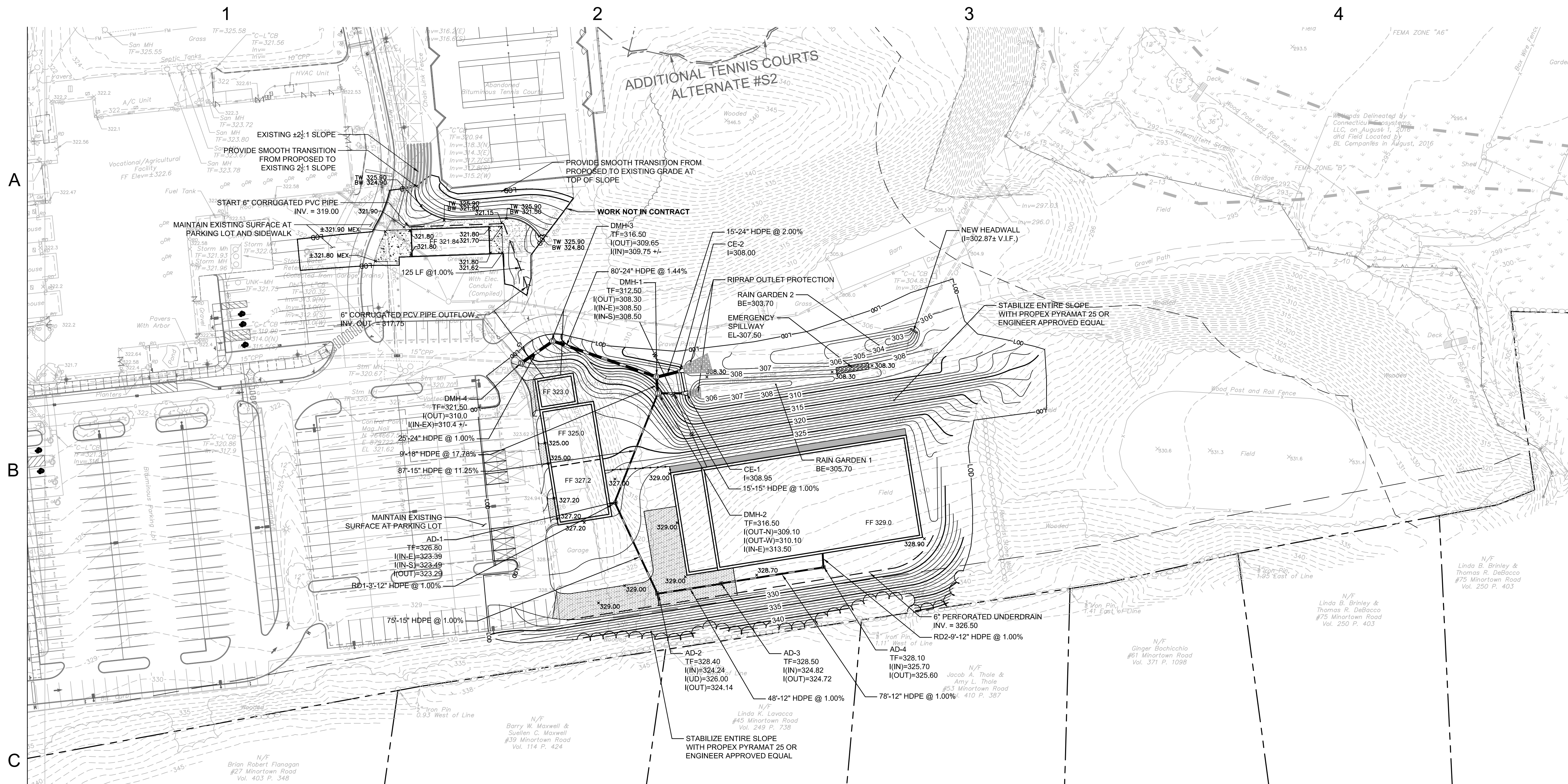
**LAYOUT AND MATERIALS LEGEND**

**LEGEND**

- PROPERTY LINE
- SETBACK LINE
- LIMIT OF DISTURBANCE OR PROPOSED TREE LINE (CONTRACT LIMIT LINE)
- GRAVEL PAVEMENT, 6" DEPTH, ON COMPACTED SUBGRADE. ROLLED BANK GRAVEL SURFACE IN ACCORDANCE WITH FORM 817, M.02.03, WITH TOP 4" CONFORMING TO GRADING "C".
- BITUMINOUS CONCRETE PAVEMENT
- CONCRETE PAVEMENT
- 4' HEIGHT CHAIN LINK FENCE
- WATER SERVICE





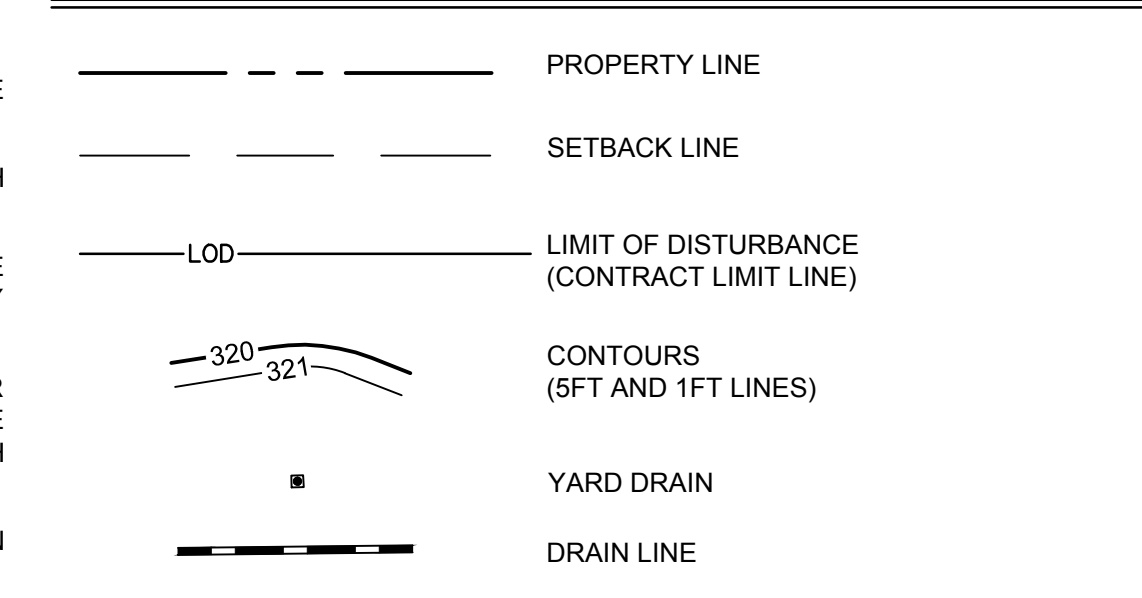


A  
B  
C  
D

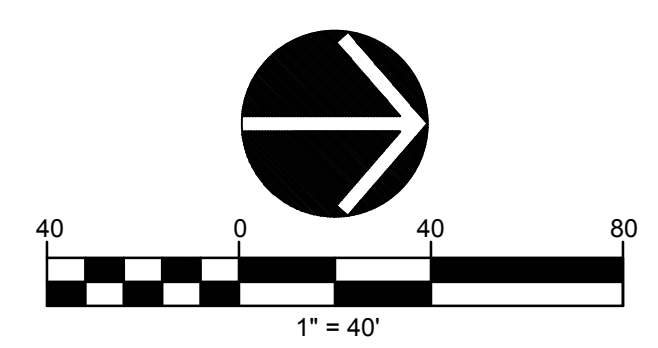
**GRADING AND DRAINAGE NOTES**

- CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION, AND INVERTS AS REQUIRED.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
- THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEEDING, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED.
- COMPLY WITH CONNECTICUT BUILDING CODE FOR ALL SITE CONSTRUCTION, INCLUDING HANDICAPPED ACCESSIBILITY.
- THE CROSS-SLOPE OF ALL SIDEWALKS AND WALKWAYS SHALL BE LESS THAN 1V:48H (2.08%). UNLESS OTHERWISE INDICATED, THE MAXIMUM RUNNING SLOPE OF ALL SIDEWALKS AND WALKWAYS SHALL BE LESS THAN 1V:20H (5%). VERIFY GRADES AND SLOPES PRIOR TO CONCRETE PLACEMENT. REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ENGAGE A CONNECTICUT-LICENSED LAND SURVEYOR TO PERFORM LAND-SURVEYING SERVICES REQUIRED, INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF BASELINES, PROPOSED IMPROVEMENTS, DIMENSIONS AND ELEVATIONS. REPORT DISCREPANCIES TO THE ENGINEER.
- PROPOSED GRADES INDICATE DESIGN INTENT. VERIFY ELEVATIONS AND MAKE ADJUSTMENTS TO MEET FIELD CONDITIONS. DO NOT PROCEED WITH ANY ADJUSTMENT OR FIELD MODIFICATION UNTIL APPROVED BY THE ENGINEER.
- GRADE TRANSITION BETWEEN TOPOGRAPHIC LINES AND SPOT GRADES SHALL BE UNIFORM UNLESS OTHERWISE INDICATED.
- MAXIMUM LANDSCAPE SLOPES SHALL BE 2(H):1(V) UNLESS OTHERWISE INDICATED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH PROPEX PYRAMAT 25 OR ENGINEER APPROVED EQUAL.
- ALL DRAINAGE PIPE SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE), UNLESS OTHERWISE INDICATED. SEE SPECIFICATIONS. ALL PROPOSED DRAINAGE PIPE UNDER ROADWAY WITH LESS THAN TWO (2) FEET OF COVER SHALL BE CLASS V RCP.
- THE TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) OF ALL UTILITY STRUCTURES THAT ARE TO REMAIN SHALL BE ADJUSTED TO MATCH FINAL GRADE IN A FLUSH CONDITION. ALL NEW UTILITY STRUCTURES SHALL BE INSTALLED WITH TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) TO FINAL GRADE IN A FLUSH CONDITION.
- AT THE CONCLUSION OF THE WORK, CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT MATERIAL FROM NEW PORTIONS OF THE STORM DRAINAGE SYSTEM.

**GRADING AND DRAINAGE LEGEND**



	MAINTENANCE MEASURE	ACTIVITY	SCHEDULE
RAIN GARDEN MAINTENANCE SCHEDULE	1	<ul style="list-style-type: none"> <li>INSPECT FOR DAMAGE</li> <li>NOTE SIGNS OF HYDROCARBON BUILDUP, AND REMOVE IF DETECTED</li> <li>MONITOR FOR SEDIMENT ACCUMULATION</li> <li>EXAMINE TO ENSURE THAT INLET AND OUTLET DEVICES ARE FREE OF DEBRIS AND OPERATION</li> </ul>	ANNUAL INSPECTION
	2	<ul style="list-style-type: none"> <li>REPAIR UNDERCUT OR ERODED AREAS</li> </ul>	AS-NEEDED MAINTENANCE
	3	<ul style="list-style-type: none"> <li>CLEAN AND REMOVE DEBRIS FROM INLET AND OUTLET STRUCTURES</li> <li>MOW SIDES AND BOTTOM SEEDMIX</li> </ul>	SPRING AND FALL
	4	<ul style="list-style-type: none"> <li>REMOVE SEDIMENT WHEN THE RAIN GARDEN VOLUME HAS BEEN SIGNIFICANTLY REDUCED OR WHEN SIGNIFICANT ALGAL GROWTH IS OBSERVED</li> </ul>	10-YEAR MAINTENANCE
CATCH BASIN MAINTENANCE SCHEDULE	1	<ul style="list-style-type: none"> <li>INSPECT AND CLEAN WHEN THE SUMP IS HALF FULL OF SILT AND/OR DEBRIS</li> </ul>	SEMI-ANNUALLY
EMERGENCY SPILLWAY	1	<ul style="list-style-type: none"> <li>INSPECT FOR SEDIMENT AND LITTER</li> <li>REMOVE SEDIMENT, LITTER, LEAVES AND OTHER BUILDUP WITHIN THE LEVEL SPREADER</li> </ul>	SEMI-ANNUALLY
OUTLET PROTECTION	1	<ul style="list-style-type: none"> <li>INSPECT FOR SEDIMENT AND DEBRIS BUILDUP AND REMOVE AS NECESSARY</li> <li>ENSURE STRUCTURAL INTEGRITY OF RIP RAP HAS NOT BEEN COMPROMISED BY DISCHARGE</li> <li>REPAIR OR REPLACE RIP RAP AS NECESSARY</li> </ul>	SEMI-ANNUALLY



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**REGION 14 CENTRAL OFFICE**

**ELLIS CLARK REGIONAL  
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PROGRAM BUILDINGS**

**5 MINORTOWN ROAD  
WOODBURY, CT 06798**

**KEYPLAN**

Number	Date	Issued For

**GRADING AND  
DRAINAGE PLAN**

Date  
**03/01/2019**

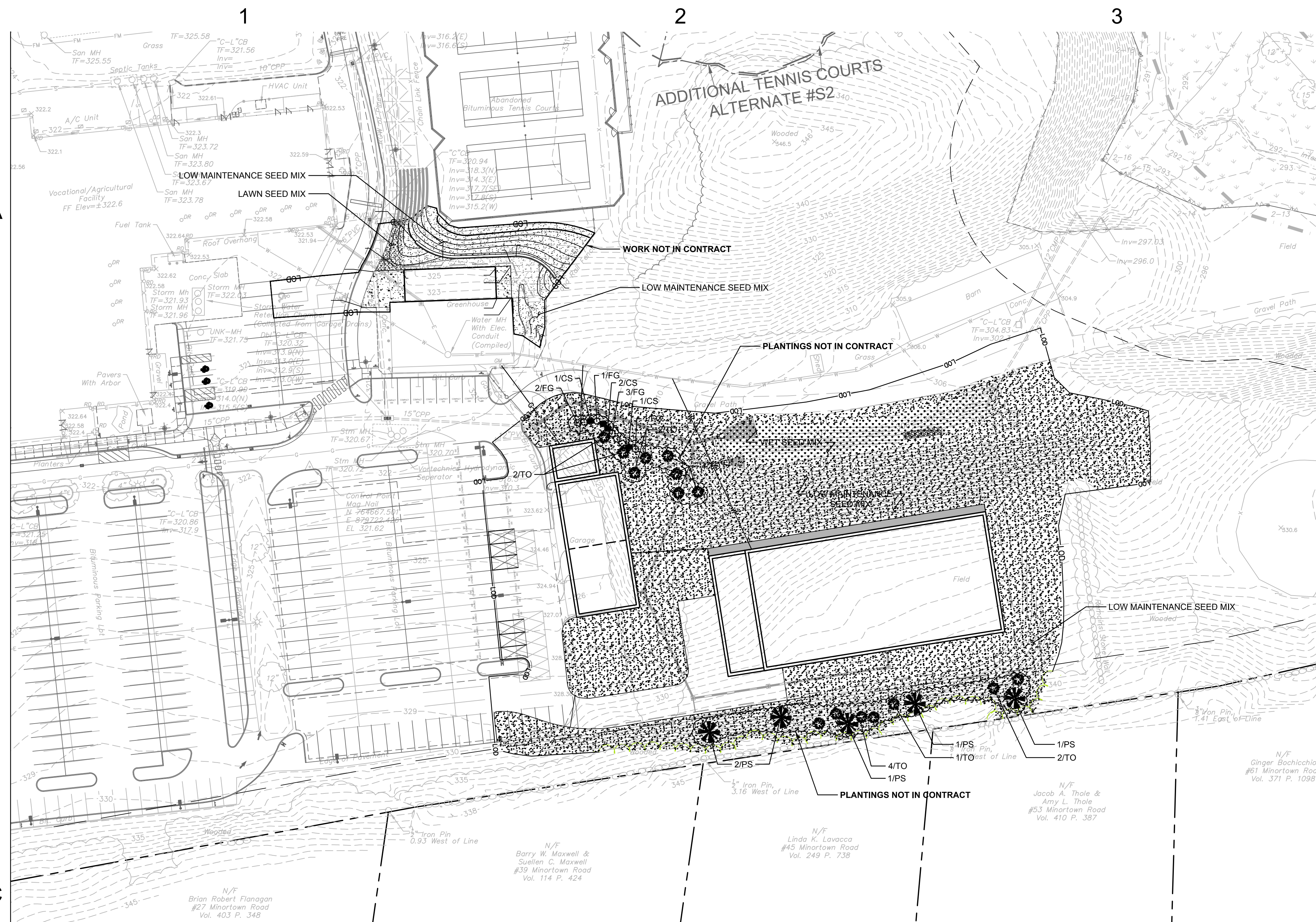
Scale  
**18092.00**

SL/I/A/M Proj. Number  
**214-0094 VA/EA**

Drawing Number  
**C-4.0**

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### LANDSCAPE NOTES

1. THE LANDSCAPE PLAN AND LANDSCAPE DETAIL SHEET ARE FOR LANDSCAPING INFORMATION ONLY. REFER TO OTHER DRAWINGS FOR ALL OTHER INFORMATION.
2. COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE. PRIOR TO DIGGING AND INSTALLATION OF PLANT MATERIAL, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT (800)922-4455 AND VERIFY ALL UTILITY SYSTEM LOCATIONS.
3. THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO UTILITY LOCATIONS AND SITE CONDITIONS. THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS FOR THE REVIEW, ADJUSTMENT, AND APPROVAL BY OWNER OR LANDSCAPE ARCHITECT PRIOR TO PLANTING.
4. THE CONTRACTOR SHALL GUARANTEE THAT ALL PLANTS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF ONE YEAR OR JUNE 1ST OF THE YEAR FOLLOWING INSTALLATION, WHICHEVER IS LONGER. AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY OWNER OR LANDSCAPE ARCHITECT, CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. PLANT MATERIAL REPLACEMENTS SHALL BE GUARANTEED FOR ONE FULL YEAR FROM DATE OF REPLACEMENT. REPLACEMENT PLANTS SHALL BE THE SAME AS SPECIFIED FOR THE ORIGINAL PLANTING. REPLACEMENTS SHALL BE MADE AS MANY TIMES AS NECESSARY TO ENSURE HEALTHY PLANTS. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE. MAINTENANCE RESPONSIBILITIES INCLUDE CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING CUTS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL THE END OF THE GUARANTEE PERIOD.
5. THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT SCHEDULE. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACQUIRED BY THE SUPPLY NURSERY TO THE LOCAL HARDWARE ZONE AND BE CERTIFIED THAT THE PLANTING MATERIAL HAS BEEN GROWN FOR A MINIMUM OF TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER OR LANDSCAPE ARCHITECT.
6. PLANTS SHALL HAVE TAGS THAT IDENTIFY PLANT GENUS, SPECIES, CULTIVAR (IF APPLICABLE), PLANT COMMON NAME, NAME OF SOURCE NURSERY, AND SIZE OF PLANT FOR REVIEW OF OWNER OR LANDSCAPE ARCHITECT.
7. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER OR LANDSCAPE ARCHITECT.
8. FINAL GRADES SHALL BLEND SMOOTHLY WITH EXISTING GRADES, AND TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED.
9. ALL TREE AND SHRUB MASSINGS SHALL BE MULCHED TO A DEPTH OF 3". ANNUAL AND PERENNIAL BEDS SHALL BE MULCHED TO A DEPTH OF 2". MULCH SHALL BE UNCOLORED TRIPLE-SHREDDED HARDWOOD BARK MULCH, AGED AT LEAST 6 MONTHS.
10. IF TREE STAKING IS PROPOSED, TREE STAKING MUST BE COMPLETED THE SAME DAY AS THE TREE IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED PER DETAIL.
11. LANDSCAPE PLANTING AREAS MUST BE FREE DRAINING. PAVEMENT, COMPACTED SUBGRADE, DEAD OR DYING PLANT MATERIAL, BLASTED ROCK, STONES GREATER THAN 1" IN DIAMETER, AND ANY OTHER MATERIAL HARMFUL TO PLANT GROWTH AND DEVELOPMENT SHALL BE REMOVED FROM AREAS TO BE LANDSCAPED AS REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS.
12. PLANTING SOIL:

DEPTH: PLANTING SOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6" OR AS NOTED IN THE LANDSCAPE DETAILS.

SOURCE: PLANTING SOIL MAY CONSIST OF EXISTING ON-SITE SOILS, AMENDED ON-SITE SOILS, IMPORTED SOILS, OR A COMBINATION THEREOF.

TESTING: CONTRACTOR SHALL SUBMIT (2) SOIL SAMPLES PER SOIL STOCKPILE TO A CERTIFIED TESTING LABORATORY TO DETERMINE ACIDITY, ORGANIC CONTENT, MECHANICAL ANALYSIS, AVAILABLE NUTRIENTS (N,P,K,Ca,Mg,S,Fe,Mn,Zn,Cu,B,Al,Pb) AND NECESSARY AMENDMENTS TO SOIL. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS TO THE OWNER OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. TEST RESULTS SHALL RECOMMEND AMENDMENTS THAT WILL ALTER THE SOIL CHARACTERISTICS SUCH THAT THE CHARACTERISTICS DESCRIBED BELOW ARE ACHIEVED AND THE SPECIFIED PLANTS (CONTRACTOR TO PROVIDE LIST TO TESTING LABORATORY) WILL ACHIEVE PROPER GROWTH THAT IS NEITHER DEFICIENT NOR EXCESSIVE. THE CONTRACTOR SHALL INCORPORATE THESE AMENDMENTS AT NO INCREASE IN CONTRACT PRICE.

- CHARACTERISTICS: PLANTING SOIL SHALL MEET THE FOLLOWING CRITERIA:
- A. NOT TO CONTAIN MATERIALS HARMFUL TO PLANT LIFE, TO BE CLEAN, FERTILE, FRABLE, AND WELL DRAINING. ALL PLANTING SOIL SHALL BE FREE OF ANY SUBSOIL EARTH CLODS, STONES OVER 1" IN ANY DIMENSION, STICKS, ROOTS, WEEDS, LITTER AND OTHER DELETERIOUS MATERIAL. PLANTING SOIL SHALL BE UNIFORM IN QUALITY AND TEXTURE.
  - B. PLANTING SOIL SHALL HAVE THE FOLLOWING OPTIMUM RANGES UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.

ORGANIC CONTENT	3% - 6% FOR LAWN OR GRASS AREAS. 4% - 8% FOR TREE AND SHRUB PLANTERS. 8% - 16% FOR RETENTION OR DETENTION BASINS. (BY LOSS OF IGNITION AT 375 C METHOD OF TESTING)
PH	6.0 - 7.3

- C. NUTRIENT LEVELS SHALL BE ACHIEVED BY THE CONTRACTOR'S ADDITION OF AMENDMENTS TO THE PLANTING SOIL TO MEET THE OPTIMUM NUTRIENT LEVELS SPECIFIED IN THE TESTING LABORATORY REPORT FOR EACH OF PLANTS TO BE INSTALLED.
- D. PLANTING SOIL SHALL BE COMPACTED TO A SURFACE PENETRATION RESISTANCE OF 75-125 LBS/SQ.IN.
- E. PLANTING SOIL MAY BE TREATED FOR WEEDS WITH PRE-EMERGENT OR POST-EMERGENT HERBICIDE, AS NEEDED AND AS APPROPRIATE FOR THE APPLICATION SEASON OR LOCATION, OR ELIMINATE GROWTH OF UNWANTED PLANT MATERIAL. APPLY HERBICIDES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. HERBICIDE APPLICATOR MUST BE LICENSED IN THE STATE OF CONNECTICUT, AND PERFORM APPLICATIONS IN ACCORDANCE WITH LOCAL REQUIREMENTS, PERMITTING STIPULATIONS, AND ANY OTHER RESTRICTIONS INCLUDING AND IN EXCESS OF STATE AND FEDERAL REGULATIONS.
- F. PLANTING SOIL SHALL MEET THE USDA SOILS TEXTURAL PERCENTAGES OF SAND, SILT, AND CLAY FOR FOLLOWING CLASSIFICATIONS:
  - LOAM
  - SANDY LOAM WHERE SAND DOES NOT EXCEED 70% AND CLAY IS NOT LESS THAN 5%
  - SANDY CLAY LOAM WHERE SAND DOES NOT EXCEED 70% AND CLAY IS LESS THAN 28%
- G. DETENTION BASIN SOILS: SOIL TO BE INSTALLED IN RETENTION BASINS, PONDS, OR OTHER STORMWATER MANAGEMENT ENVRONS SHALL MEET THE SPECIFIED CHARACTERISTICS AND AS FOLLOWS:
  - SOIL SHALL NOT CONTAIN MORE THAN 20% CLAY AND LESS THAN 40% SILT.
  - SOIL SHALL HAVE AN INFILTRATION RATE BETWEEN 1/2" AND 3" PER HOUR.
- H. MODIFICATION TO THE PLANTING SOIL CHARACTERISTICS DESCRIBED ABOVE MAY BE SUBMITTED FOR APPROVAL BY THE LANDSCAPE ARCHITECT. CONTRACTOR MUST DEMONSTRATE PROPOSED CHARACTERISTICS ARE EQUAL TO OR SUPERIOR TO THE SPECIFIED CHARACTERISTICS WITH RESPECT TO SUPPORTING PLANT GROWTH, AND STORMWATER MANAGEMENT.

12. PLANTING AMENDMENTS: APPLY FERTILIZER AND OTHER AMENDMENTS AS RECOMMENDED FOR EACH PLANTING AREA BY SOIL ANALYSIS. APPLY AMENDMENTS IN A MANNER CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS. ANY ORGANIC AMENDMENTS SHALL HAVE A pH BETWEEN 4.5 AND 5.5 UNLESS OTHERWISE RECOMMENDED.

13. PLANT REQUIREMENTS: ALL PLANTS SHALL CONFORM IN SIZE AND GRADE TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 (LATEST EDITION). ALL PLANTS SHALL MEET THE ADDITIONAL REQUIREMENTS SET FORTH BELOW AND IN WRITTEN SPECIFICATIONS AS APPLICABLE. ALL TREES AND SHRUBS SHALL HAVE BEEN GROWN AT A COMMERCIAL NURSERY WITHIN 200 MILES OF THE PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER OR LANDSCAPE ARCHITECT. THEY SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. THEY SHALL BE HEALTHY, SYMMETRICAL, EVENLY AND DENSELY BRANCHED, AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF BARK INJURY, DISEASE, AND INSECT PESTS. ALL TREES SHALL HAVE A STRAIGHT TRUNK WITH A SINGLE MAIN LEADER UNLESS OTHERWISE CHARACTERISTIC OF THE SPECIES OR VARIETY. THE OWNER OR LANDSCAPE ARCHITECT WILL ALLOW SUBSTITUTIONS ONLY UPON WRITTEN APPROVAL. SIZES SHALL CONFORM TO THE MEASUREMENT SPECIFIED ON THE DRAWINGS. PLANTS LARGER THAN SPECIFIED MAY BE USED IF APPROVED, BUT THE USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE. ALL OVERSTORY TREES PLANTED ALONG PARKING AREAS, SIDEWALKS AND PEDESTRIAN ACCESSES SHALL NOT BRANCH BELOW 7' FEET IF THE TREE CALIPER IS 3" INCHES OR GREATER. ALL PLANT MATERIALS ARE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR LANDSCAPE ARCHITECT AT THE NURSERY SOURCE. THE CONTRACTOR SHALL COORDINATE SOURCE VISITS WITH THE LANDSCAPE ARCHITECT AND SHALL ACCOMPANY THE OWNER AND/OR LANDSCAPE ARCHITECT FOR ALL INSPECTIONS. CERTIFICATES OF COMPLIANCE WITH SPECIFICATIONS ARE REQUIRED FOR ALL PLANTS.

14. INSPECTION AND REVIEW: ALL PLANT MATERIAL SHALL BE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR LANDSCAPE ARCHITECT AT THE NURSERY SOURCE OR PLACE OF GROWTH. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE ARCHITECT ON A SCHEDULE FOR SOURCE VISITS AND ACCOMPANY THE OWNER OR LANDSCAPE ARCHITECT FOR ALL SOURCE INSPECTIONS. CERTIFICATES OF COMPLIANCE ARE REQUIRED FOR ALL PLANT MATERIALS. PHOTOGRAPHIC REVIEW OF PLANT MATERIAL IS ACCEPTABLE IF APPROVED BY LANDSCAPE ARCHITECT. PHOTOGRAPHS MUST BE PROVIDED IN QUANTITY AND VARIETY TO ALLOW LANDSCAPE ARCHITECT SUFFICIENT INFORMATION TO MAKE A REASONABLE DETERMINATION AS TO THE PLANTS' QUALITY. OWNER AND LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT PLANT MATERIAL DELIVERED TO THE SITE BUT PREVIOUSLY ACCEPTED IF DAMAGED OR NOT PROPERLY MAINTAINED DURING THE DELIVERY PROCESS.

15. PLANTING SEASONS (UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT)

EVERGREEN TREES AND SHRUBS	SPRING APRIL 1 TO JUNE 1	FALL SEPTEMBER 1 TO NOVEMBER 1
DECIDUOUS TREES AND SHRUBS	APRIL 1 TO JUNE 1	SEPTEMBER 15 TO NOVEMBER 15
GROUNDCOVERS	APRIL 1 TO JUNE 1	SEPTEMBER 1 TO NOVEMBER 1
PERENNIALS	MAY 15 TO JUNE 1	SEPTEMBER 1 TO NOVEMBER 1

PER MANUFACTURERS RECOMMENDATIONS OR AS LISTED IN SEED MIX NOTES

16. SEEDING MIXTURES: REFER TO SEED MIX NOTES. SEEDING AREA SHALL BE ACCEPTED WHEN SEED AREA ACHIEVES 85% COVERAGE.

17. ALL SLOPES STEEPER THAN 3:1 RECEIVING A SEED MIX SHALL BE COVERED WITH AN EROSION CONTROL BLANKET OF STRAW FIBER AND BIODEGRADABLE OR PHOTODEGRADABLE NETTING.

18. UNLESS OTHERWISE NOTED IN DRAWING SET, NEW TREELINES SHALL EQUAL CLEARING AND GRUBBING LIMIT FOR CONSTRUCTION.

19. ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED SHALL BE SEEDDED WITH THE LOW MAINTENANCE SEED MIX.

### LANDSCAPE SCHEDULE

NO	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	ROOT	COMMENT
<b>PLANT SPECIES</b>						
4	CS	Cornus sericea 'Cardinal'	Redoiser Dogwood	36"-48" HT.	Cont.	Multi-Stem, Uniform, Well-developed
7	FG	Fothergilla gardenii 'Mt. Airy'	Mount Airy Arborvitae	30" HT.	Cont.	Uniform, Well-developed
5	PS	Pinus strobus	White Pine	8'-10' HT.	B&B or Cont.	Uniform, Well-developed, strong
15	TO	Thuja occidentalis 'Techny'	Techny Arborvitae	7'-8' HT.	B&B or Cont.	Uniform, Well-developed

**SCHEDULE NOTES:**  
 1) CULTIVARS FOR PLANTS IDENTIFIED ABOVE AS STRAIGHT SPECIES MAY BE PROPOSED IF THE CULTIVAR EXHIBITS THE VISUAL AND CULTURAL CHARACTERISTICS TYPICAL OR SUPERIOR TO THE STRAIGHT SPECIES. BEFORE CHANGES OR SUBSTITUTIONS CAN BE MADE DUE TO UNAVAILABILITY OF PLANT MATERIAL, SUBMIT SATISFACTORY EVIDENCE THAT THE CONTRACTOR HAS ADVERTISED FOR A ONE MONTH PERIOD IN A TRADE JOURNAL SUCH AS THE "AMERICAN NURSERYMAN", (TEL. 312-427-7339 AND FAX: 312-427-7346), WITH NO RESPONSE, OR HAS UNDERTAKEN OTHER METHODS OF LOCATING PLANT MATERIAL ACCEPTABLE TO THE LANDSCAPE ARCHITECT OR ENGINEER. ALL SUBSTITUTIONS MUST RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO SITE.

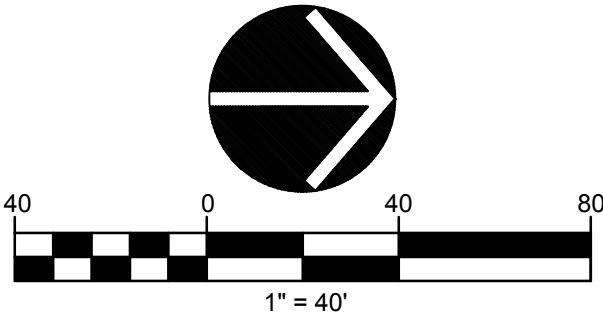
- 2) PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLAN DRAWINGS; THE QUANTITIES IN THE PLANT LIST ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF DISCREPANCIES OCCUR, THE LARGER QUANTITY SHALL APPLY.
- 3) IF THERE IS A DISCREPANCY BETWEEN BOTANICAL AND COMMON NAME, BOTANICAL NAME PREVAILS.
- 4) PROPOSED TREE CALIPER IS MEASURE 6" ABOVE ROOT BALL.

### SEED MIX NOTES

- A. LAWN SEED MIX - LOFTS SEED COMPANY OR APPROVED EQUAL  
70% TALL FESCUE - FESTUCA ARUNDINACEA  
30% CREEPING RED FESCUE - FESTUCA RUBRA
  - B. LOW MAINTENANCE SEED MIX - NEW ENGLAND CONSERVATION/MULDOPE MIX  
NEW ENGLAND WETLAND PLANTS INC. OR APPROVED EQUAL
  - C. WET SEED MIX -  
NEW ENGLAND WETMIX (WETLAND SEED MIX)  
NEW ENGLAND WETLAND PLANTS INC. OR APPROVED EQUAL
- SEEDING RATE: 5 LBS PER 1,000 S.F. (ADD 10% TO QUANTITY IF HYDROSEEDDED.)  
 SEEDING DATES: AUGUST 15 - OCTOBER 1 AND APRIL 15 - JUNE 30 UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.
- SPECIES: VIRGINIA WILD RYE, (ELYMUS VIRGINICUS), LITTLE BLUESTEM, (SCHIZACHYRIUM SCOPARIUM), BIG BLUESTEM, (ANDROPOGON GERARDI), CREEPING RED FESCUE, (FESTUCA RUBRA), SWITCH GRASS, (PANICUM VIRGATUM), PARTRIDGE PEA, (CHAMAECRISTA FASCICULATA), DEER TONGUE, (Panicum clandestinum), INDIAN GRASS, (SORGHASTRUM NUTANS), OX EYE SUNFLOWER, (HELIOPSIS HELIANTHOIDES), COMMON MILKWEED, (ASCLEPIAS SYRIACA), SPOTTED JOE PYE WEED, (EUPATORIUM MACULATUM), GRASS LEAVED GOLDENROD, (EUTHAMIA GRAMINIFOLIA), BLUE VERVAIN, (VERBENA HASTATA), NEW ENGLAND ASTER, (ASTER NOVAE-ANGLIAE), EARLY GOLDENROD, (SOLIDAGO JUNCEA).
- APPLICATION RATE: 20 LBS/ACRE AT STORMWATER PONDS  
 SEEDING DATES: AUGUST 15 - OCTOBER 1 AND APRIL 15 - JUNE 30  
 UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.

### LANDSCAPE LEGEND

- PROPERTY LINE
- SETBACK LINE
- LIMIT OF DISTURBANCE OR PROPOSED TREE LINE (CONTRACT LIMIT LINE)
- PROPOSED PLANTINGS
- PROPOSED LAWN SEED MIX
- PROPOSED LOW MAINTENANCE SEED MIX
- PROPOSED WET SEED MIX



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**REGION 14 CENTRAL OFFICE**

**ELLIS CLARK REGIONAL  
 AGRISCIENCE & TECHNOLOGY  
 PROGRAM BUILDINGS**

**5 MINORTOWN ROAD  
 WOODBURY, CT 06798**

**KEYPLAN**

Number	Date	Issued For

### LANDSCAPE PLAN

Date  
**03/01/2019**

Scale

SLA/M Proj. Number  
**18092.00**

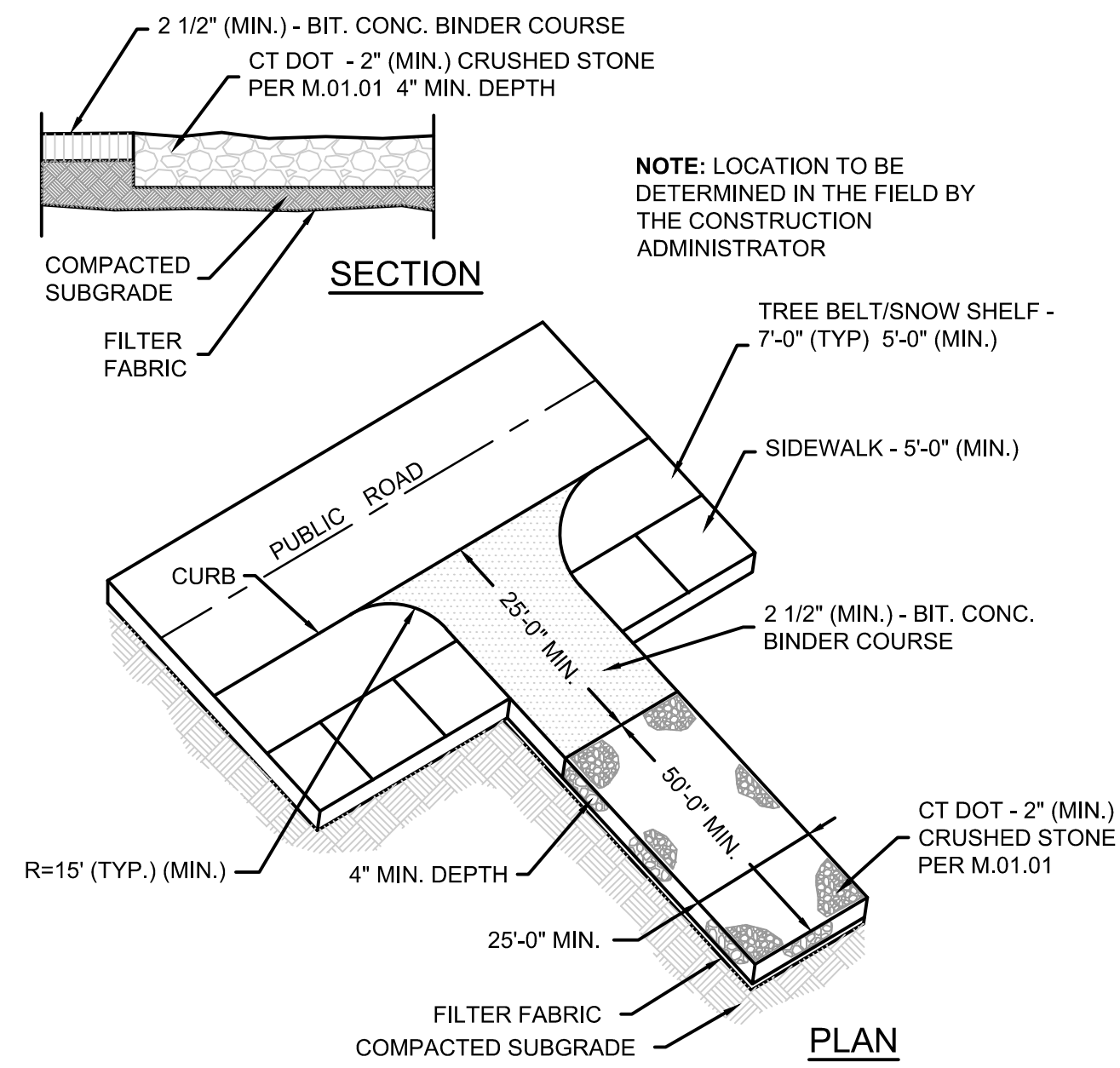
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**C-5.0**

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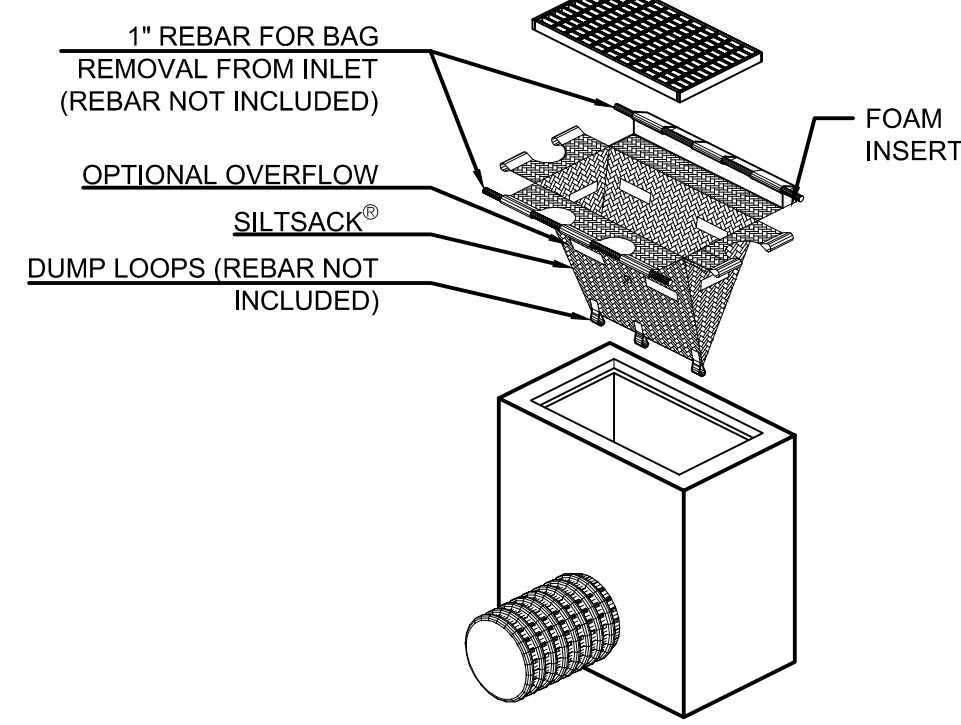
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**CONSTRUCTION ENTRANCE**

SCALE: NONE

B

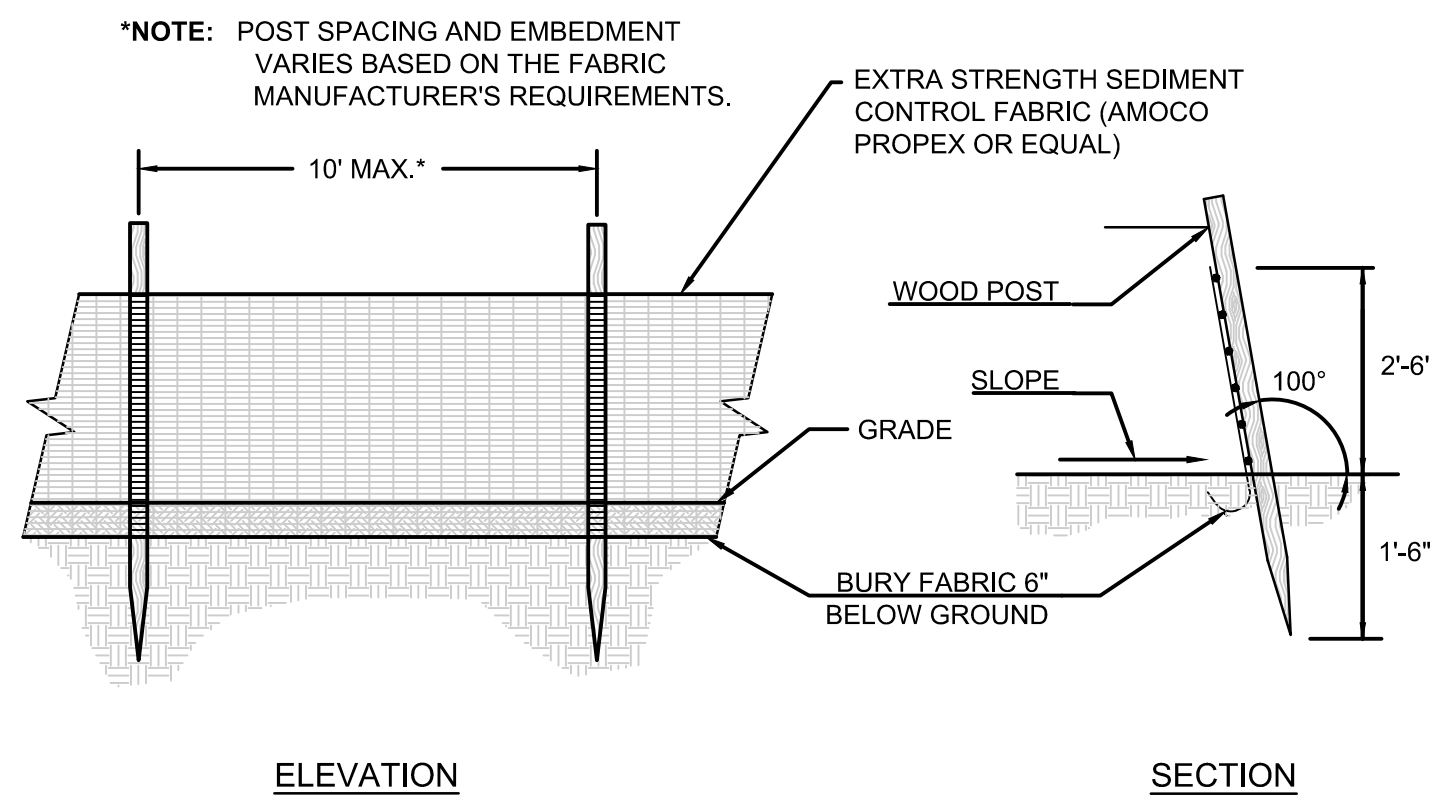


'SILTSACK' SEDIMENT CONTROL DEVICE,  
TERRAFIX GEOSYNTHETICS INC.  
TORONTO, ONTARIO, CA  
WWW.TERRAFIXGEO.COM

**SILT SACK (SS)**

SCALE: NONE

D

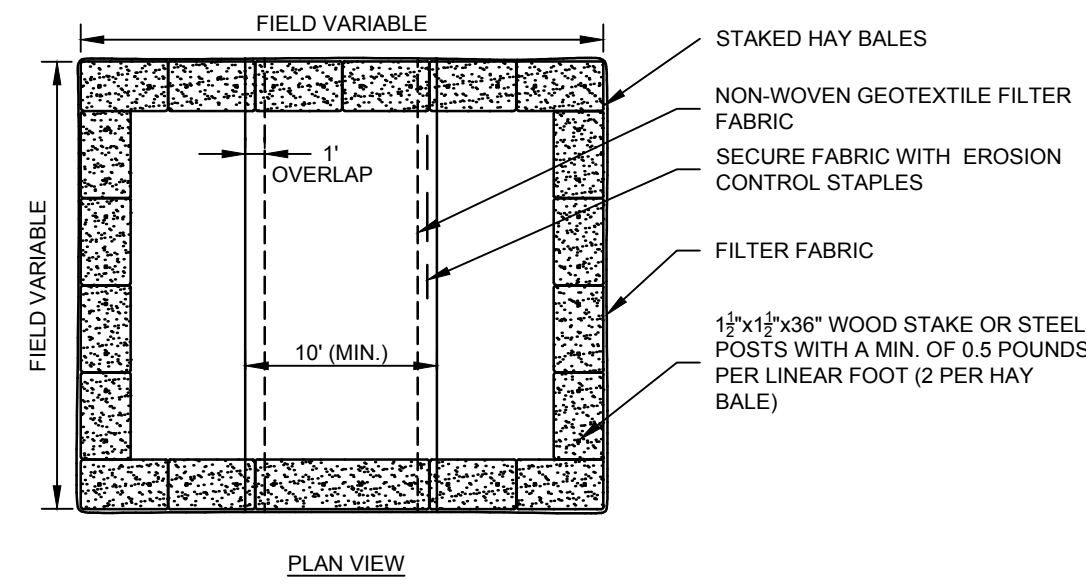
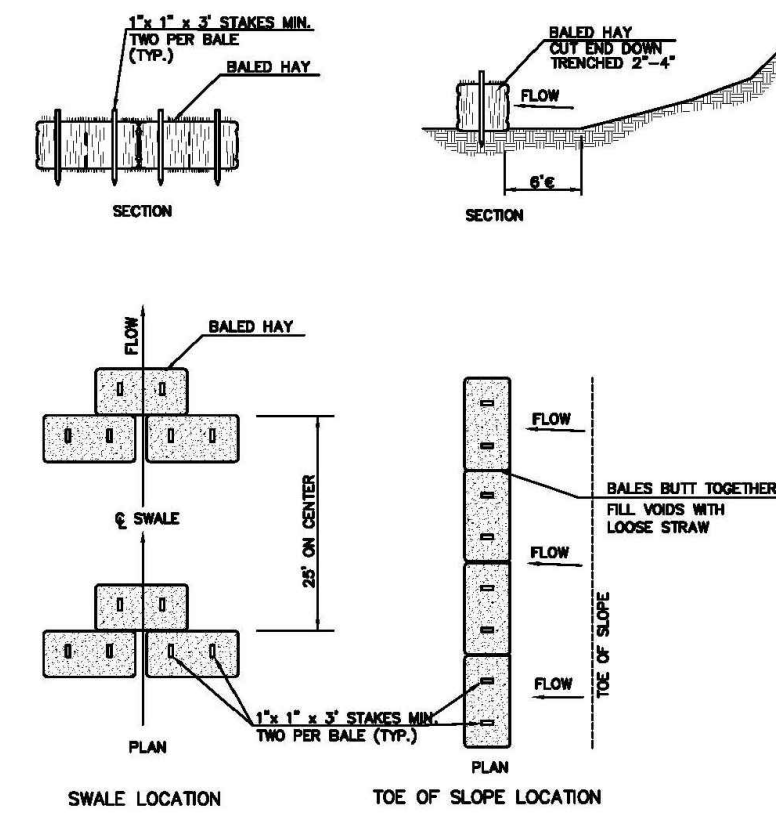


**SILT FENCE BARRIER**

SCALE: NONE

**TYPICAL SEDIMENTATION CONTROL BALE EROSION CHECKS**

SCALE: NONE



**NOTES:**

1. CONSTRUCT WASHOUT AREA LARGE ENOUGH TO ENSURE MATERIALS WILL BE CONTAINED WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER CAN SAFELY EVAPORATE.
2. WASHOUT AREA SHALL BE LARGE ENOUGH TO RETAIN ALL LIQUID AND WASTE CONCRETE MATERIALS FROM WASHOUT OPERATION.
3. WEEKLY INSPECTIONS OF WASHOUT AREAS SHALL BE CONDUCTED TO ASSESS THE HOLDING CAPACITY AND FUNCTIONALITY OF THE WASHOUT AREA.

**TEMPORARY CONCRETE WASHOUT AREA**

SCALE: NONE

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**JPE, JHL**

Checked  
**WW**



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**5 MINORTOWN ROAD  
WOODBURY, CT 06798**



**KEYPLAN**

Number	Date	Issued For

**SITE DETAILS**

Date  
**03/01/2019**

Scale

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Drawing Number

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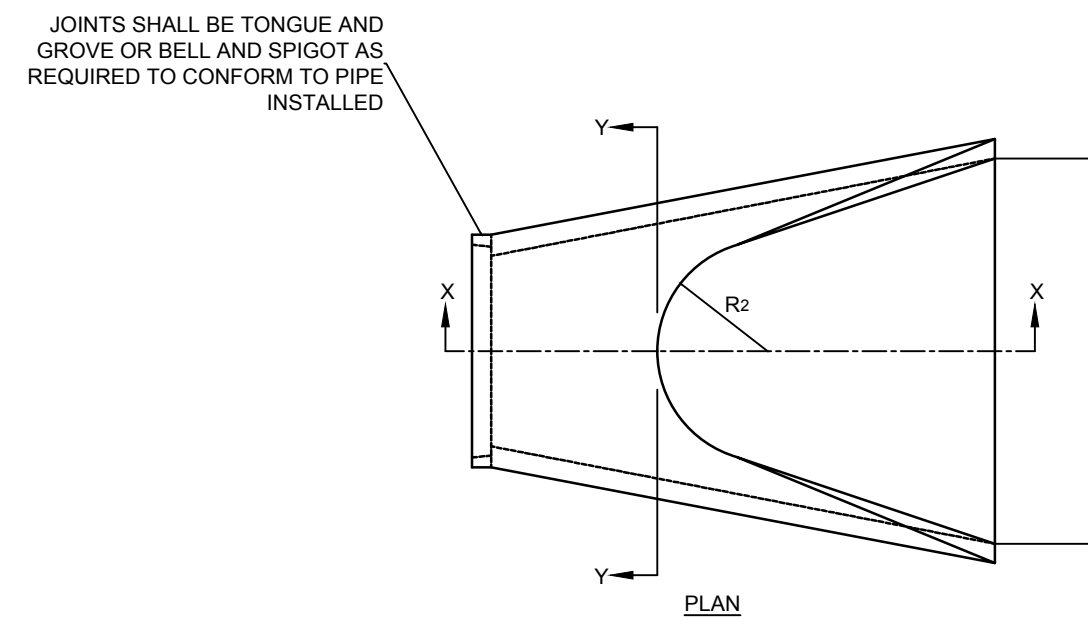


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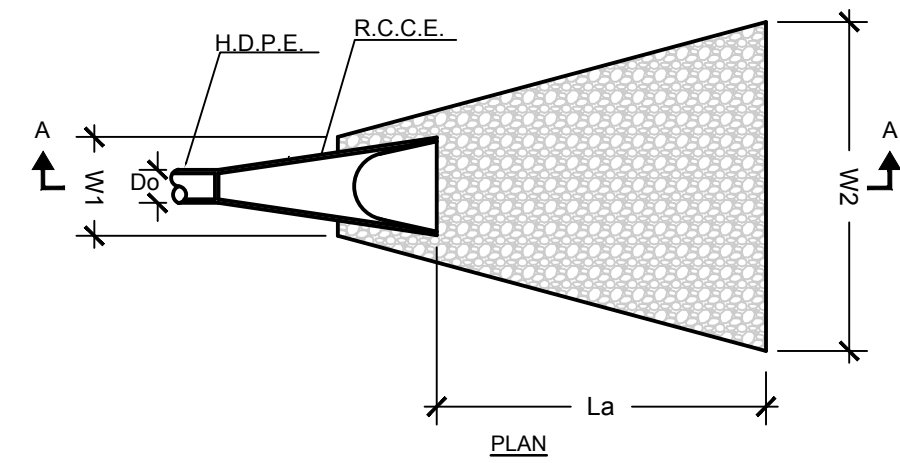
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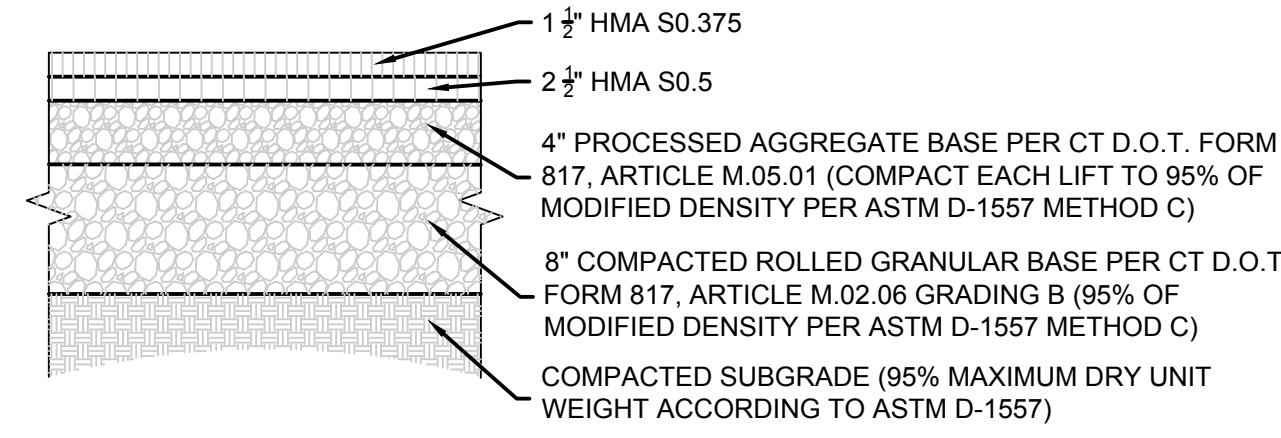


DIMENSIONS FOR REINFORCED CONCRETE CULVERT END										FLARE REINFORCEMENT ONE LAYER ONLY IN CENTER OF WALL	
DIA.	A	B	C	D	E	F	R <sub>1</sub>	R <sub>2</sub>		MIN. AREA OF LONG. STEEL SQ. IN. PER FT.	MIN. AREA OF TRANS. STEEL SQ. IN. PER FT.
12"	4"	2'-0"	4'-0 1/2"	6'-0 1/2"	2'-0"	1'-7 1/2"	10 1/4"	9"		0.048	0.048
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"	2'-0 1/2"	1'-0 1/2"	11"		0.054	0.054
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2'-5"	1'-3 1/2"	1'-0"		0.060	0.060
21"	9"	2'-11"	3'-2"	6'-1"	3'-6"	2'-7 1/2"	1'-4"	1'-1"		0.066	0.066
24"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	2'-9 1/2"	1'-4 1/2"	1'-2"		0.072	0.072
30"	1'-0"	4'-6"	1'-7 1/2"	6'-1 1/2"	5'-0"	3'-1"	1'-6 1/2"	1'-3"		0.084	0.084
36"	1'-3"	5'-3"	2'-10 1/2"	8'-1 1/2"	6'-0"	3'-11 1/2"	2'-0 1/2"	1'-8"		0.096	0.096
42"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	4'-5 1/2"	2'-3 1/2"	1'-10"		0.108	0.108
48"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	4'-8 1/2"	2'-4 1/2"	1'-10"		0.120	0.120
54"	2'-3"	5'-5"	2'-11"	8'-4"	7'-6"	5'-5 1/2"	2'-9 1/2"	2'-0"		0.132	0.132
60"	2'-9"	5'-0"	3'-3"	8'-3"	8'-0"	6'-0 1/2"	3'-0 1/2"	2'-0"		0.144	0.144

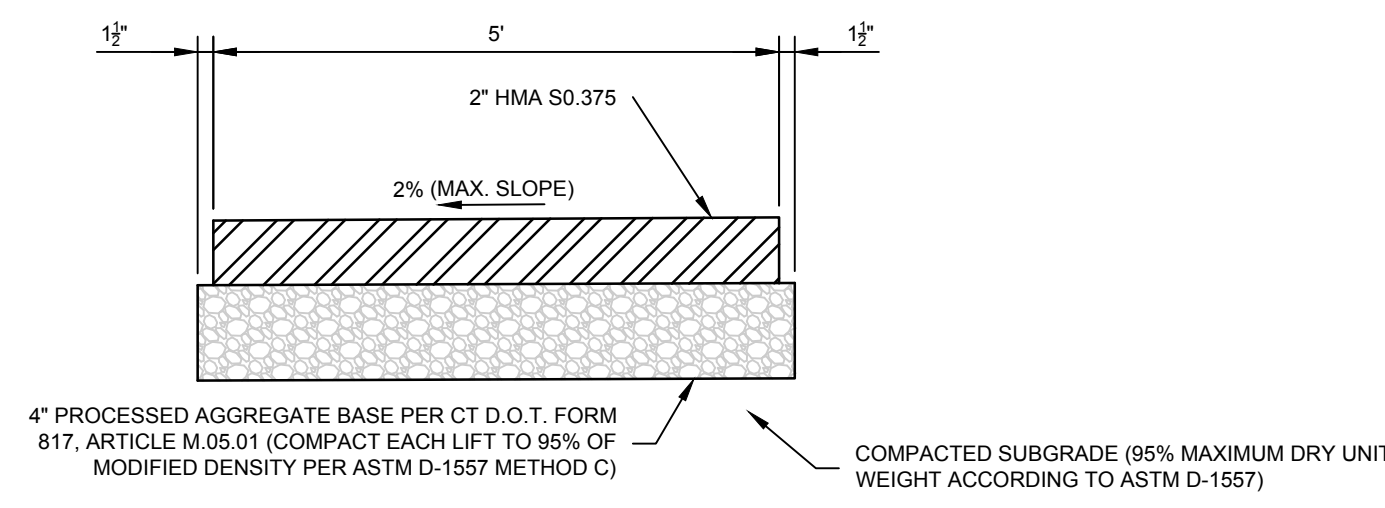
OUTLET	Do (ft)	La (ft)	W1 (ft)	W2 (ft)	SIZE
CE-1	1.25	10	5	8	MODIFIED
CE-2	2.0	21	6	15	INTERMEDIATE



**RIP RAP OUTLET PROTECTION**  
SCALE: NONE



**BITUMINOUS CONCRETE PAVEMENT**  
SCALE: NONE



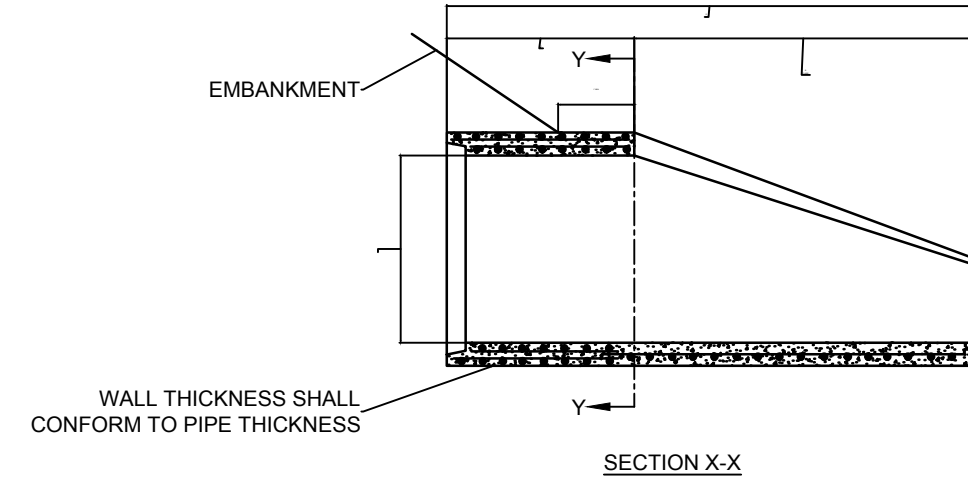
**BITUMINOUS CONCRETE SIDEWALK**  
SCALE: NONE

A

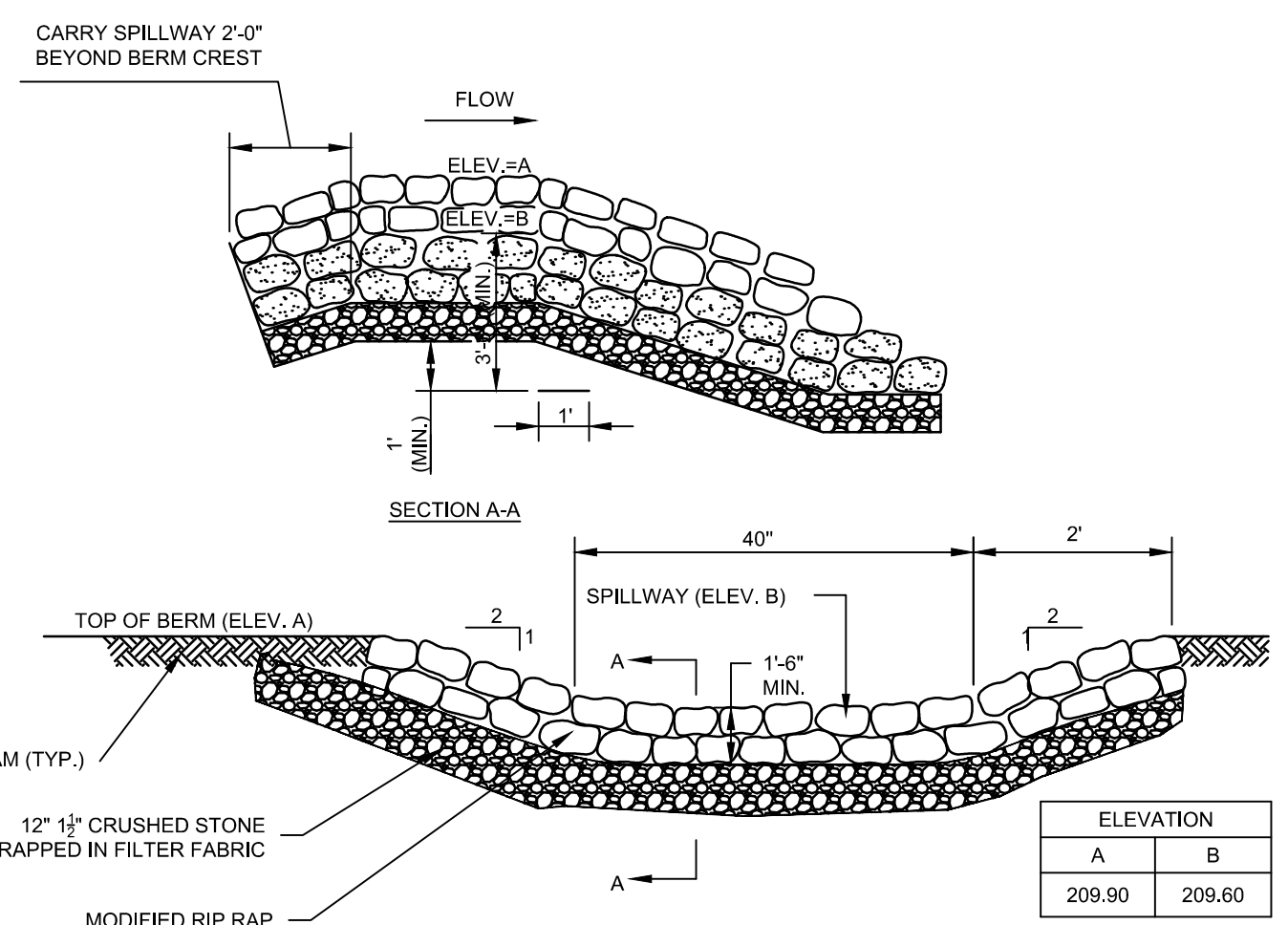
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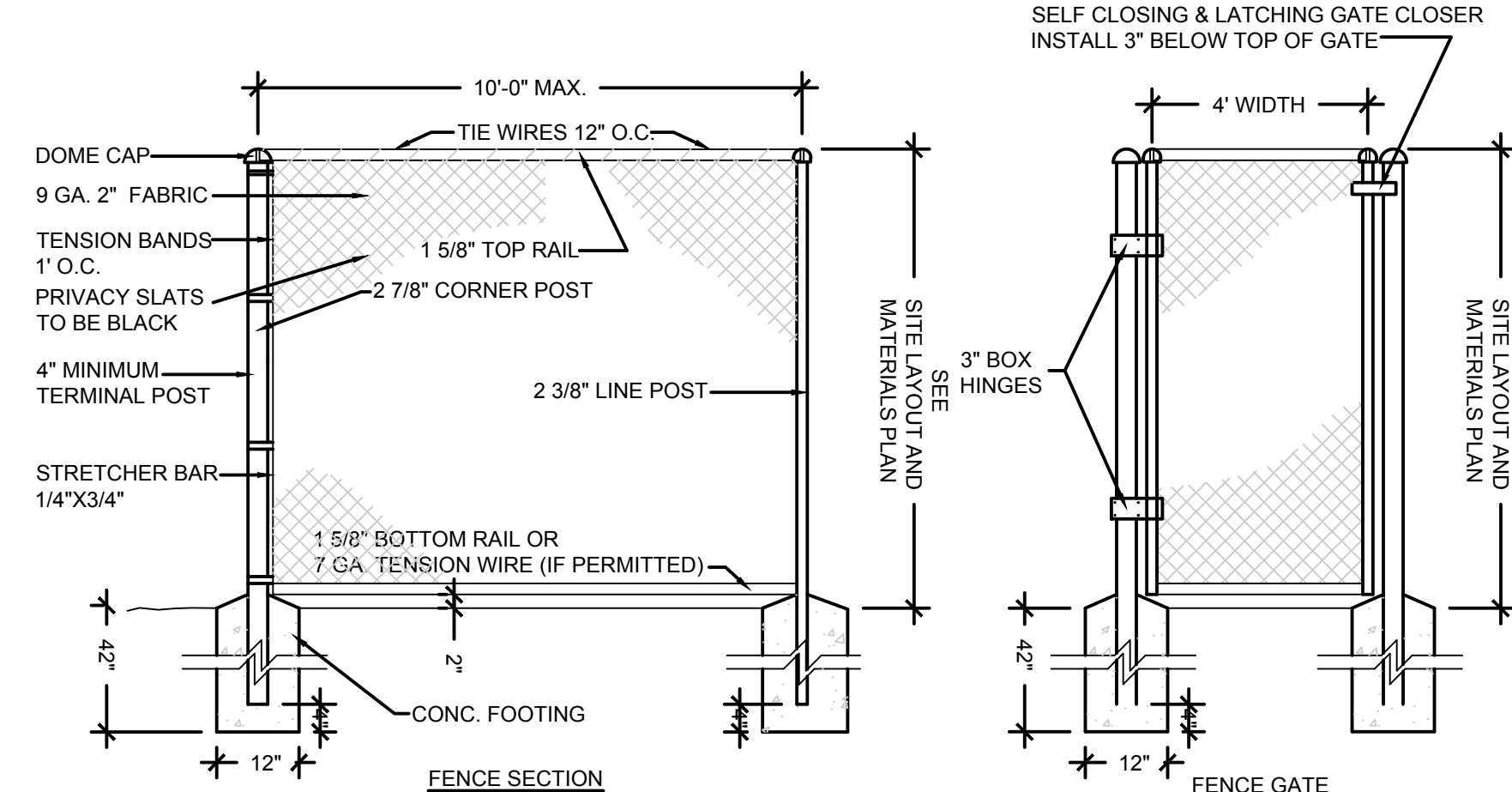
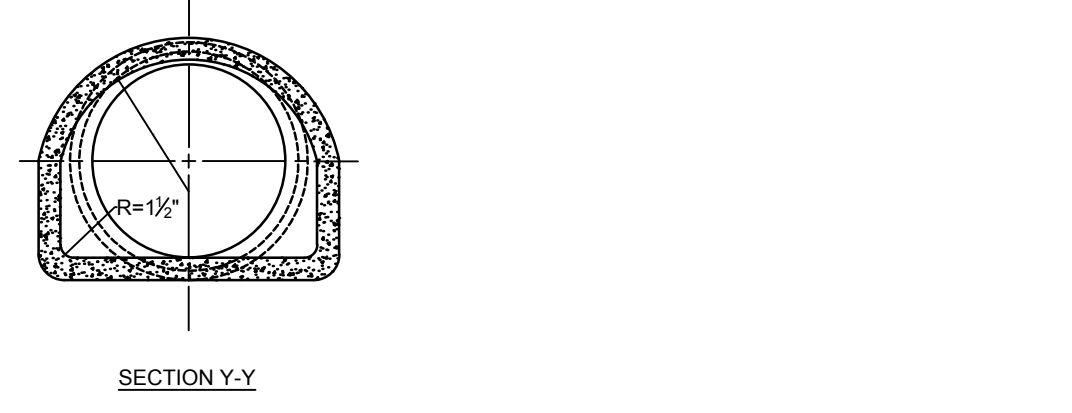
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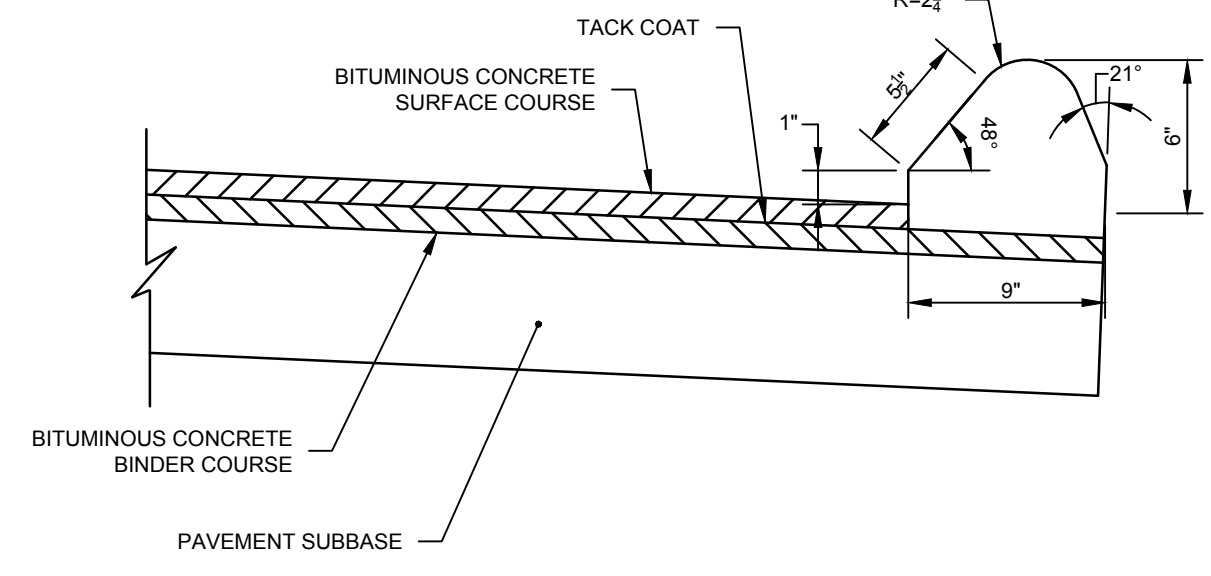
**REINFORCED CONCRETE CULVERT END**  
SCALE: NONE



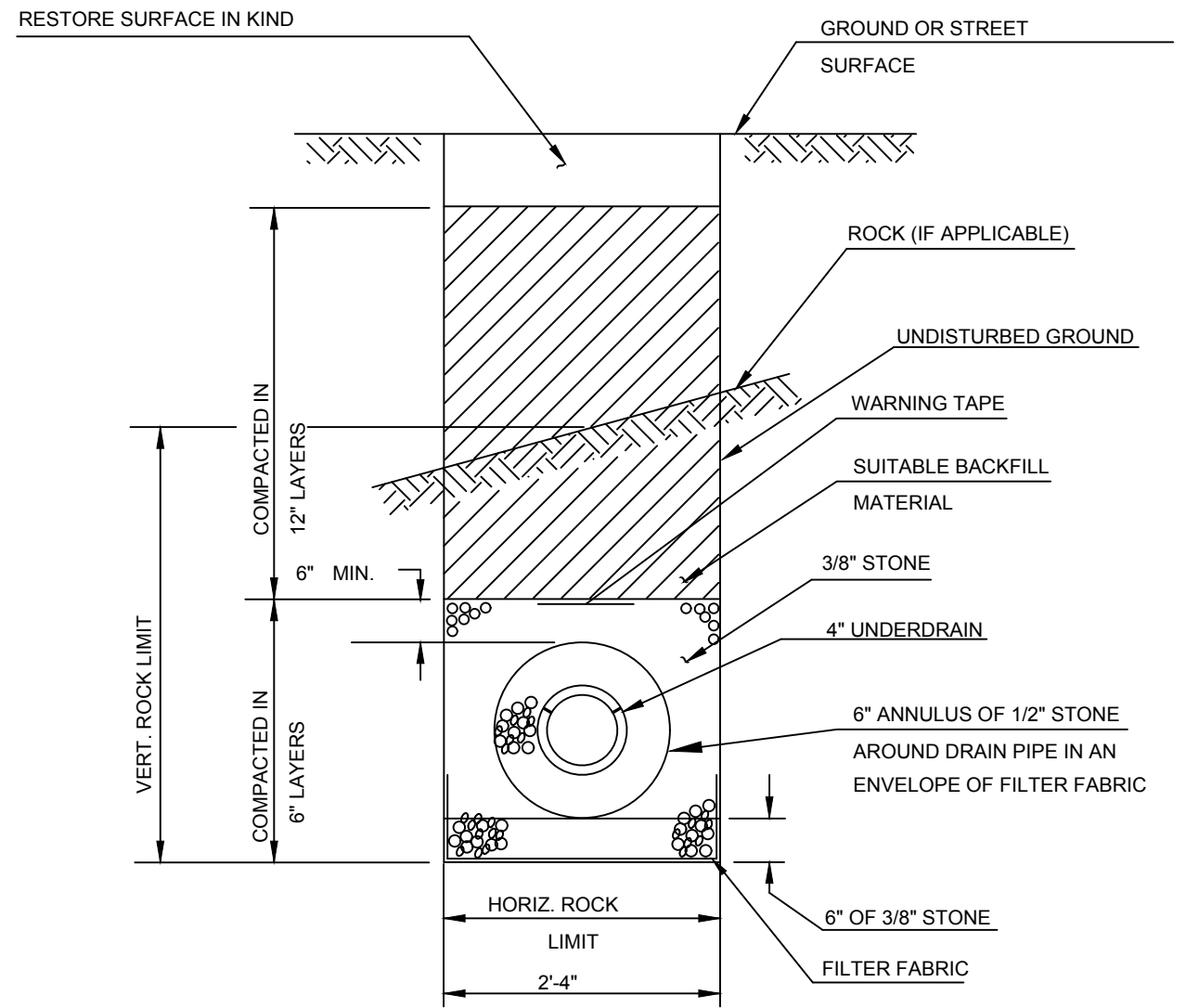
**RIP RAP LEVEL SPREADER**  
SCALE: NONE  
SM-115-CT



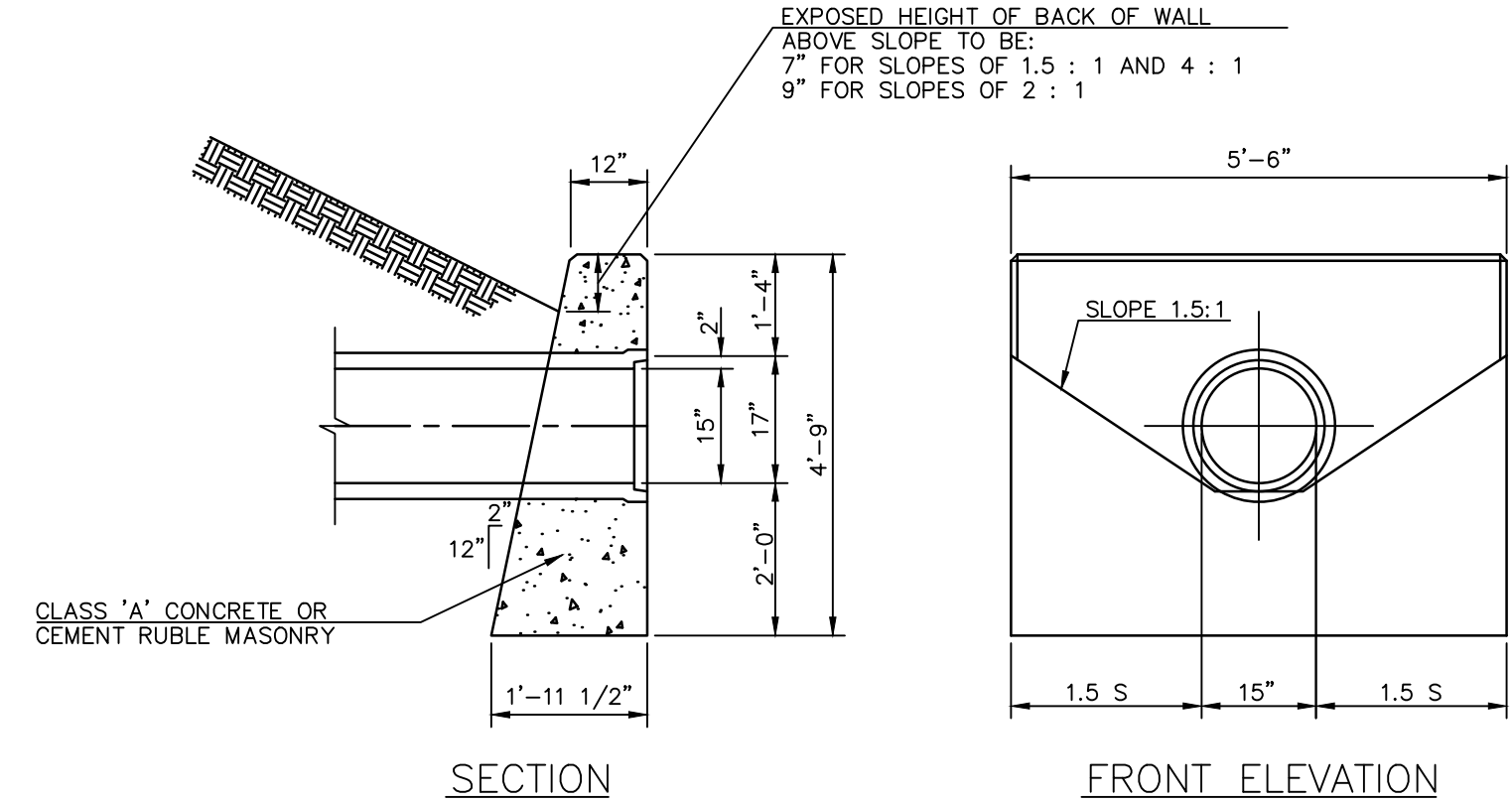
**CHAIN LINK FENCE & GATE**  
SCALE: NONE



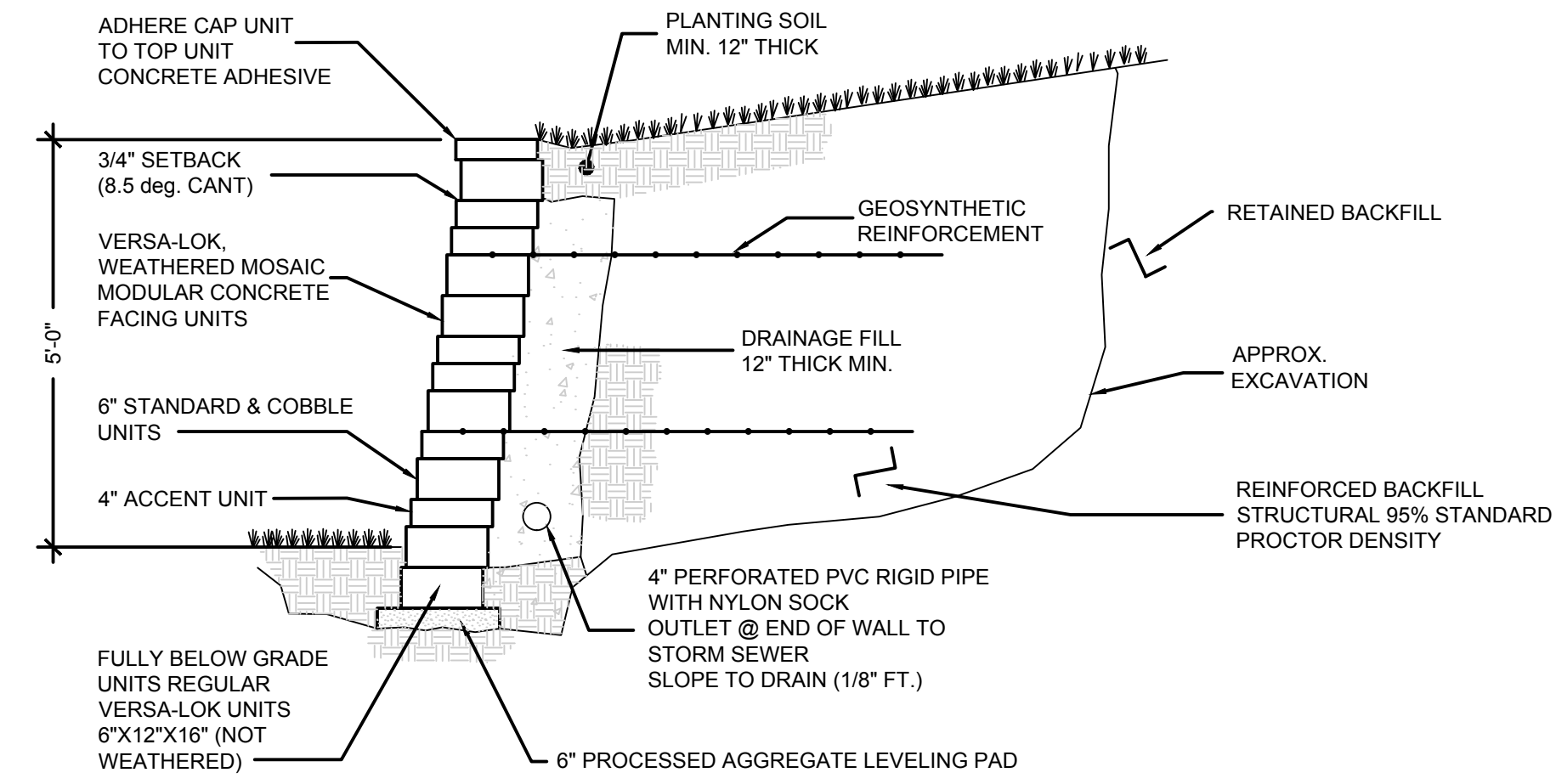
**BITUMINOUS CONCRETE CURBING**  
SCALE: NONE



**UNDERDRAIN DETAIL**  
SCALE: NONE



**STANDARD ENDWALL**  
SCALE: NONE



**CONCRETE BLOCK RETAINING WALL**  
SCALE: NONE

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**WW**



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**5 MINORTOWN ROAD  
WOODBURY, CT 06798**

**KEYPLAN**

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**03/01/2019**  
Scale

Drawing Number

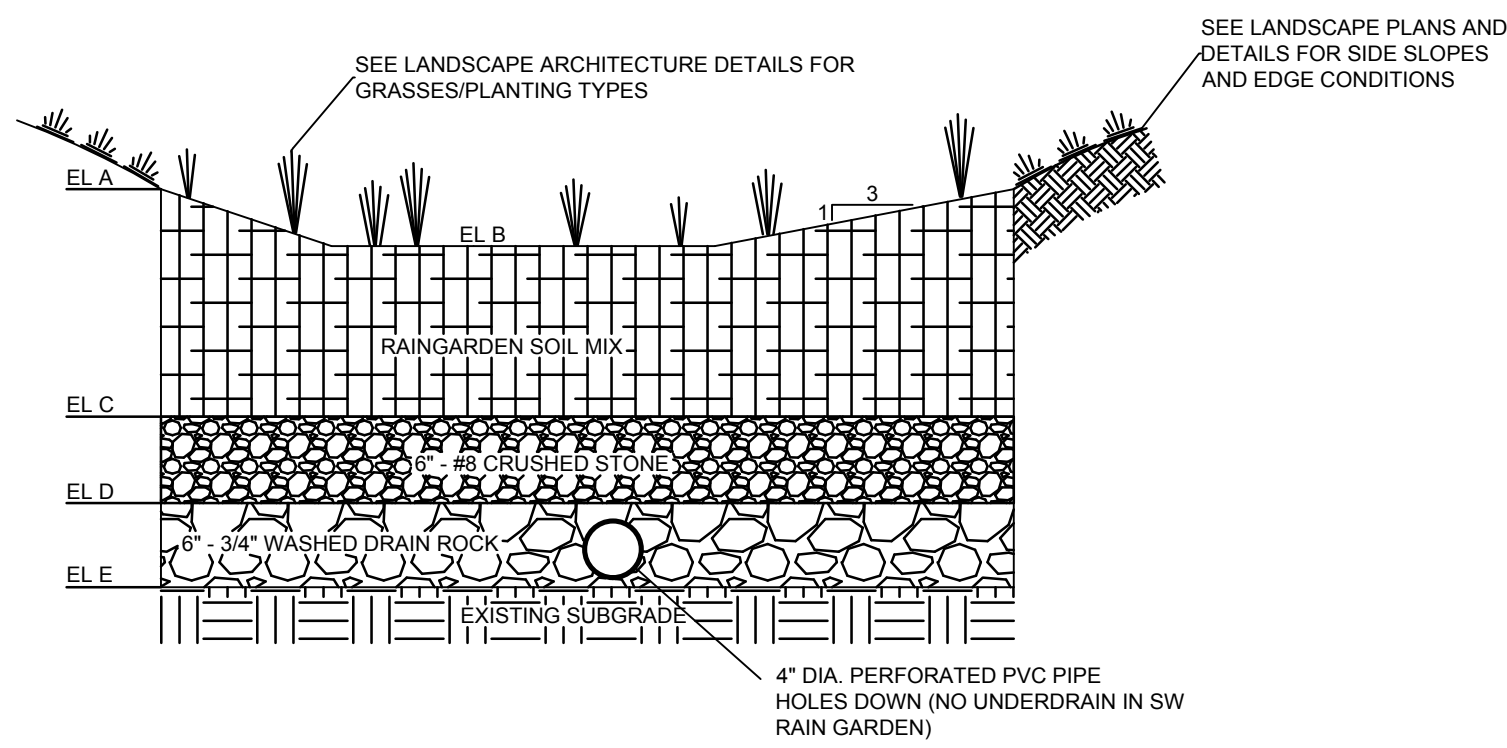
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**18092.00**  
State Proj. Number  
**214-0094 VA/EA**

**C-6.1**



1

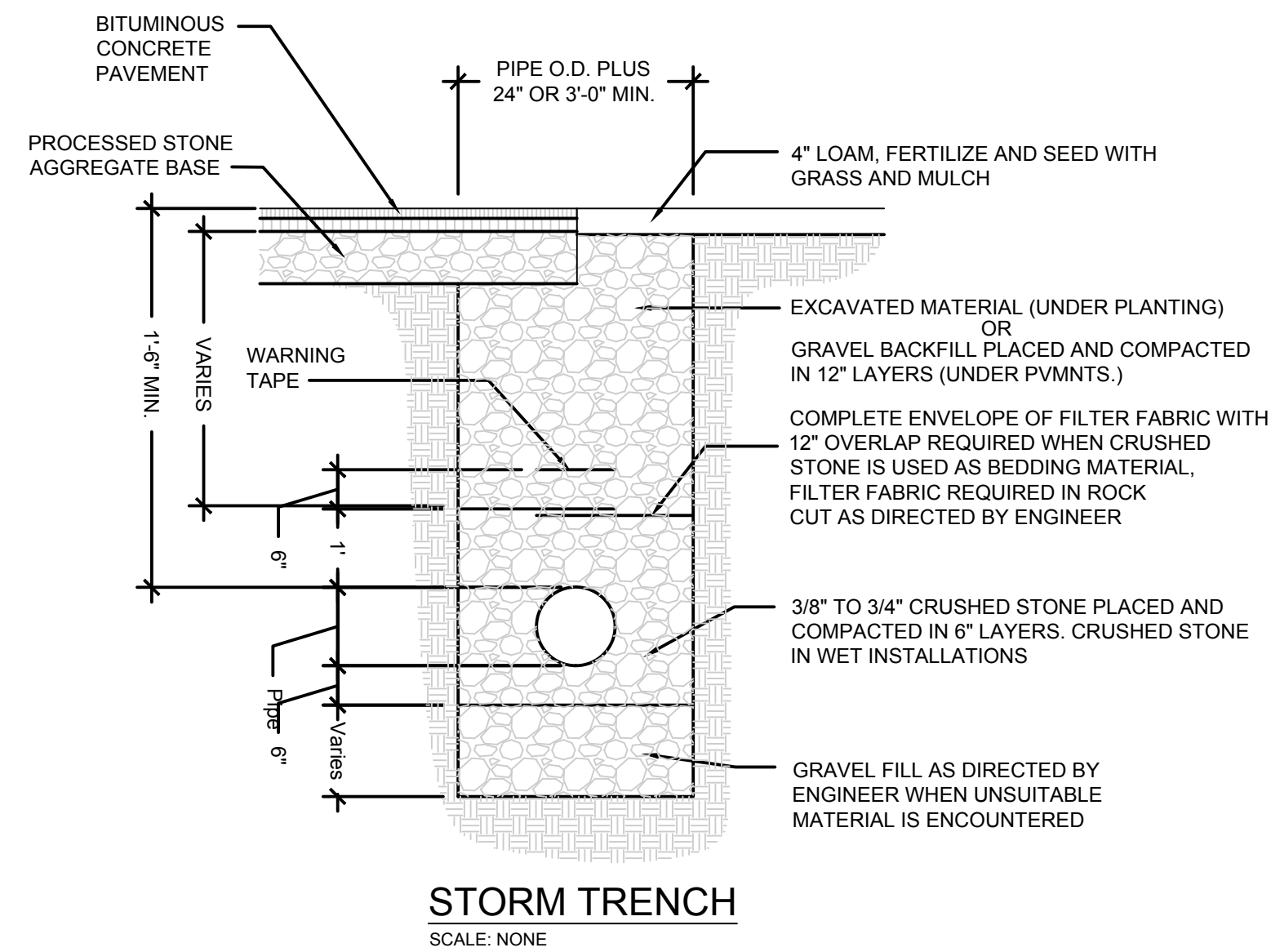
RAIN GARDEN ID	EL A	EL B	EL C	EL D	EL E
1	308.0	306.0	305.0	304.5	304.0



- NOTES:
- RAIN GARDEN SOIL MIX SHALL CONSIST OF 67% SANDY LOAM TOPSOIL, AND 33% COMPOST MATERIAL BY VOLUME. TOPSOIL SHALL BE SANDY LOAM BY USDA SOIL TEXTURE CLASSIFICATION. COMPOST MATERIAL SHALL COMPLY WITH SPECIFICATIONS.
  - INSTALL TOPSOIL IN A MANNER THAT ENSURES ADEQUATE INFILTRATION. PLACE IN TWO EQUAL LIFTS.
  - LIFTS SHOULD NOT BE COMPACTED, BUT RATHER PLACED IN A MANNER TO REDUCE EXCESSIVE EROSION OR SETTLEMENT. LIFTS MAY BE LIGHTLY WATERED TO ENCOURAGE NATURAL COMPACTION OR, IF NECESSARY, ROLLED WITH WATER-FILLED LANDSCAPE ROLLER. SLIGHTLY OVERFILL THE FACILITY ABOVE PROPOSED FINISHED GRADE TO ACCOMMODATE NATURAL SETTLEMENT.

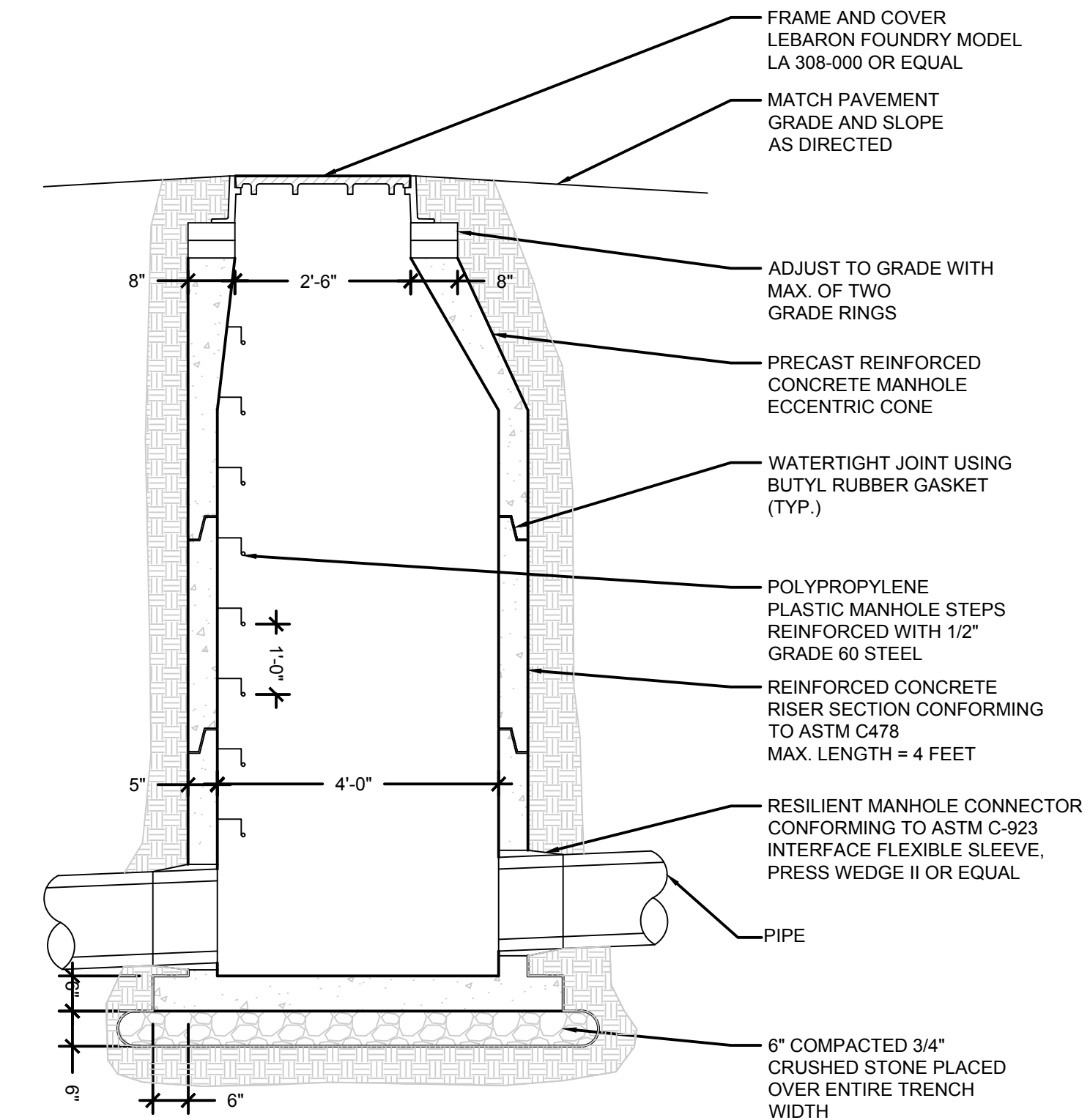
**RAIN GARDEN**  
SCALE: NONE

2



**STORM TRENCH**  
SCALE: NONE

3



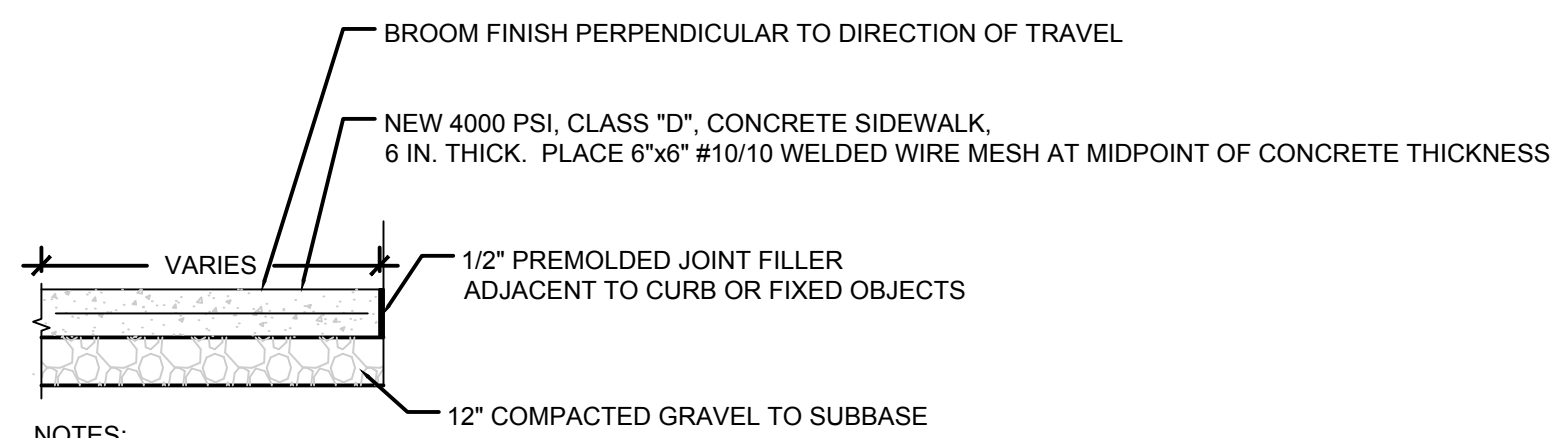
**DRAINAGE MANHOLE**  
SCALE: NONE

A

B

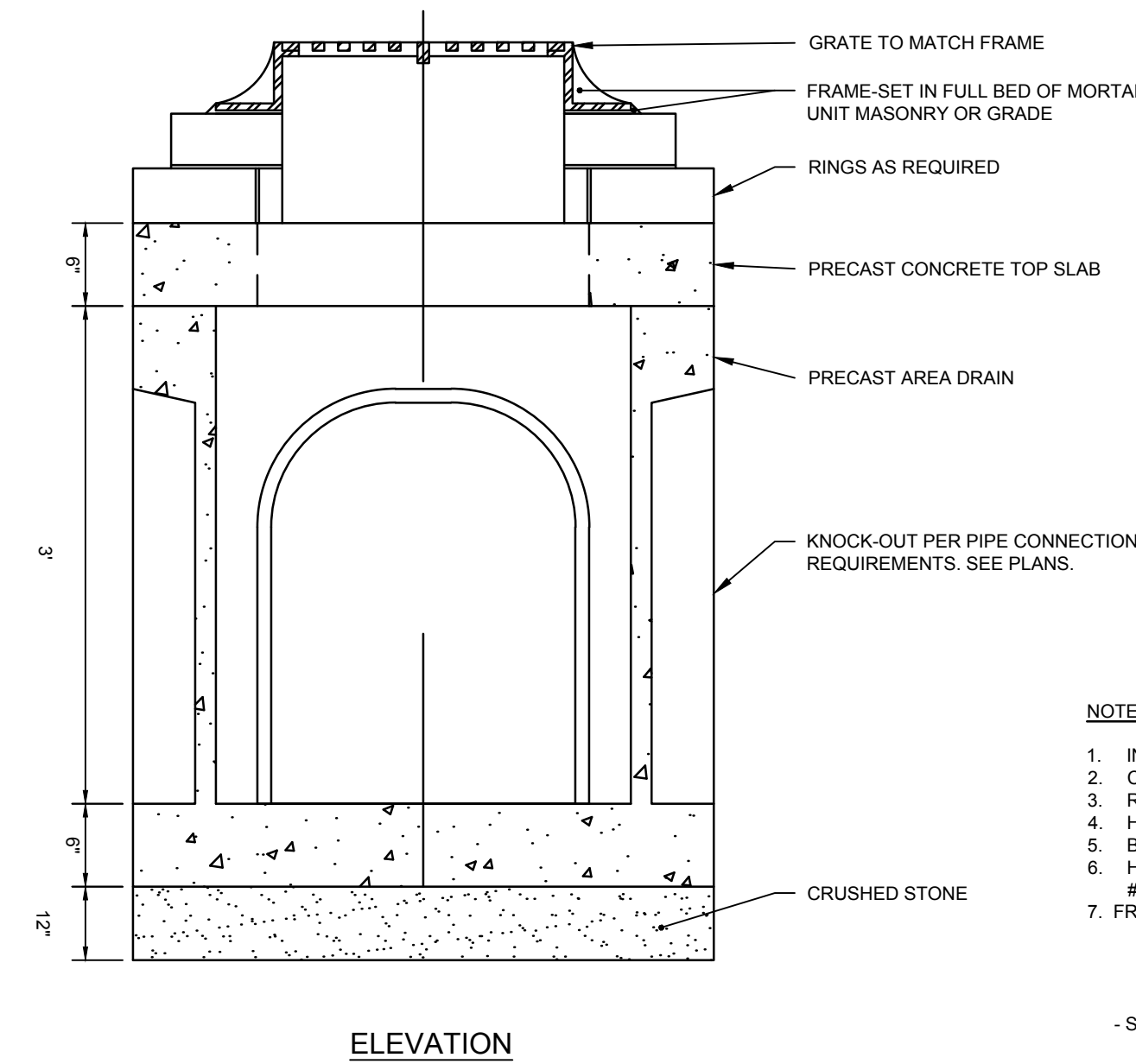
C

D



- NOTES:
- EXCAVATE EXISTING WALK AREA AS DIRECTED BY THE ENGINEER.
  - LOAM & SEED DISTURBED AREAS ADJACENT TO NEW SIDEWALK AREA.
  - PROVIDE 1 1/2\"/>

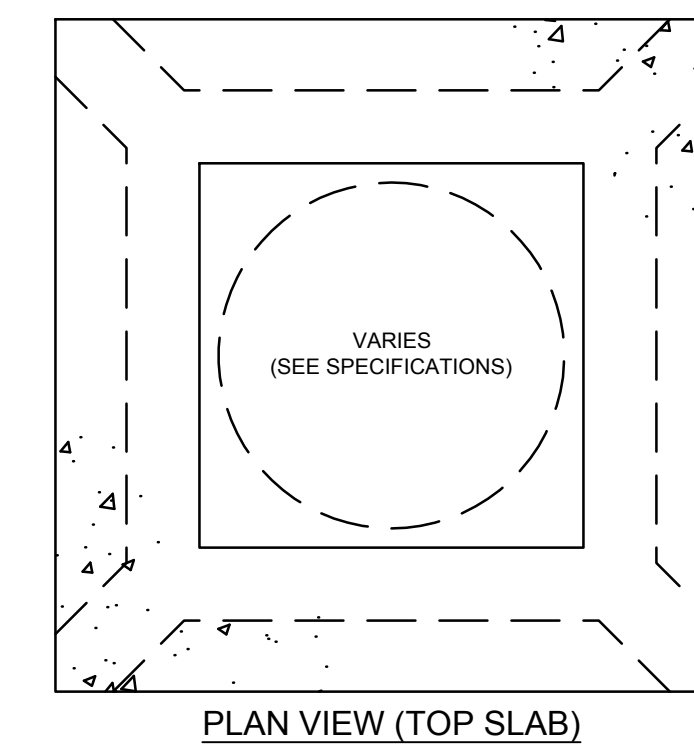
**CONCRETE PAVEMENT**  
SCALE: NONE



**ELEVATION**

**CONCRETE AREA DRAIN**  
SCALE: NONE

- NOTES:
- INLET SHALL BE 30"x30" CONCRETE AREA DRAIN, AS MANUFACTURED BY ARROW CONCRETE, OR ENGINEER APPROVED EQUAL.
  - CONCRETE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS.
  - REINFORCING STEEL - ASTM 615 AND A62 OR A1185 SPECIFICATIONS.
  - H-20 DESIGN LOADING PER AASHTO HS-20-44.
  - BUTYL RUBBER JOINT SEALANT - ASTM C990-91.
  - HEIGHT OF DRAIN BOX SHALL BE 3" (MODEL #ADBK03) UNLESS DEPTH OF INVERT PIPE OUT REQUIRES THE USE OF 4" DRAIN BOX (MODEL #ADBK04).
  - FRAME AND GRATE PAIR SHALL BE ONE OF THE FOLLOWING:
    - A. STANDARD GRATE SHALL BE NEENAH INLET FRAME/GRATE R-2570 OR ENGINEER APPROVED EQUAL.
    - B. ADA STANDARD GRATE SHALL BE NEENAH INLET FRAME/GRATE R-2569 OR ENGINEER APPROVED EQUAL.
    - C. STANDARD BEEHIVE GRATE SHALL BE NEENAH INLET FRAME/BEEHIVE GRATE R-2564 OR ENGINEER APPROVED EQUAL.
- SEE DRAWINGS FOR SPECIFIC LOCATIONS OF TYPE SELECTED.



**PLAN VIEW (TOP SLAB)**

**SLAM**  
The S/L/A/M Collaborative

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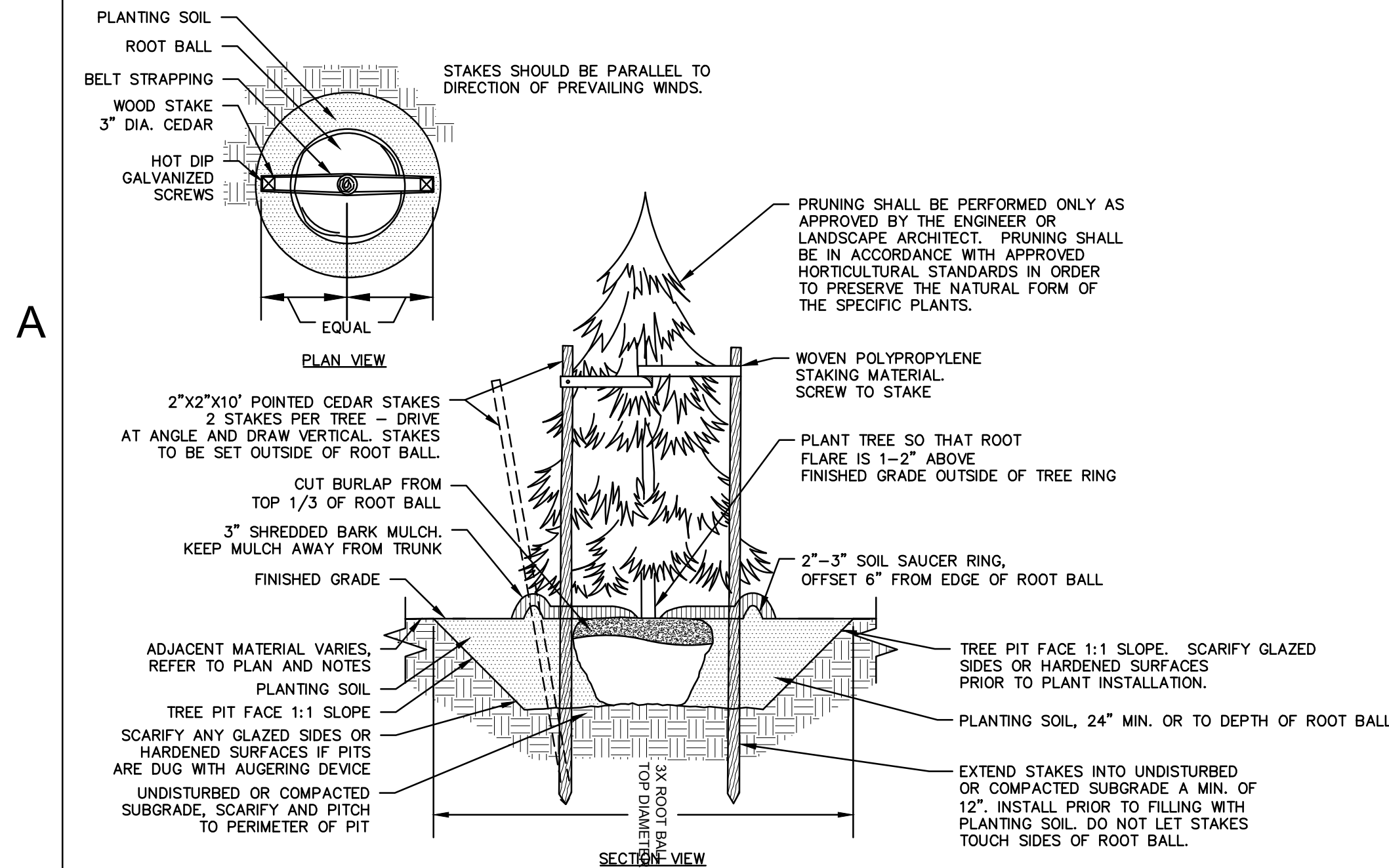
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**18092.00**

State Proj. Number  
**214-0094 VA/EA**

Drawing Number  
**C-6.2**

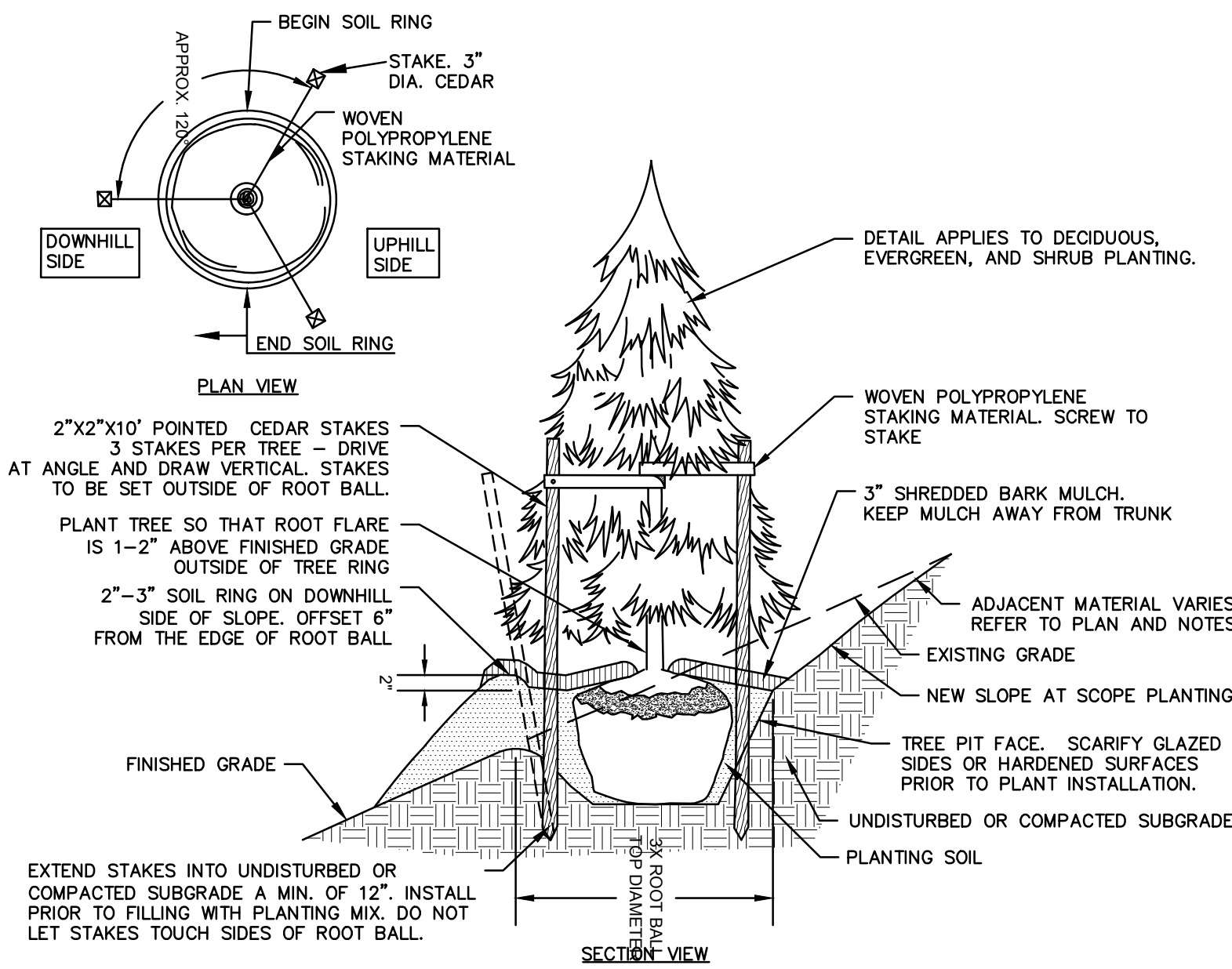
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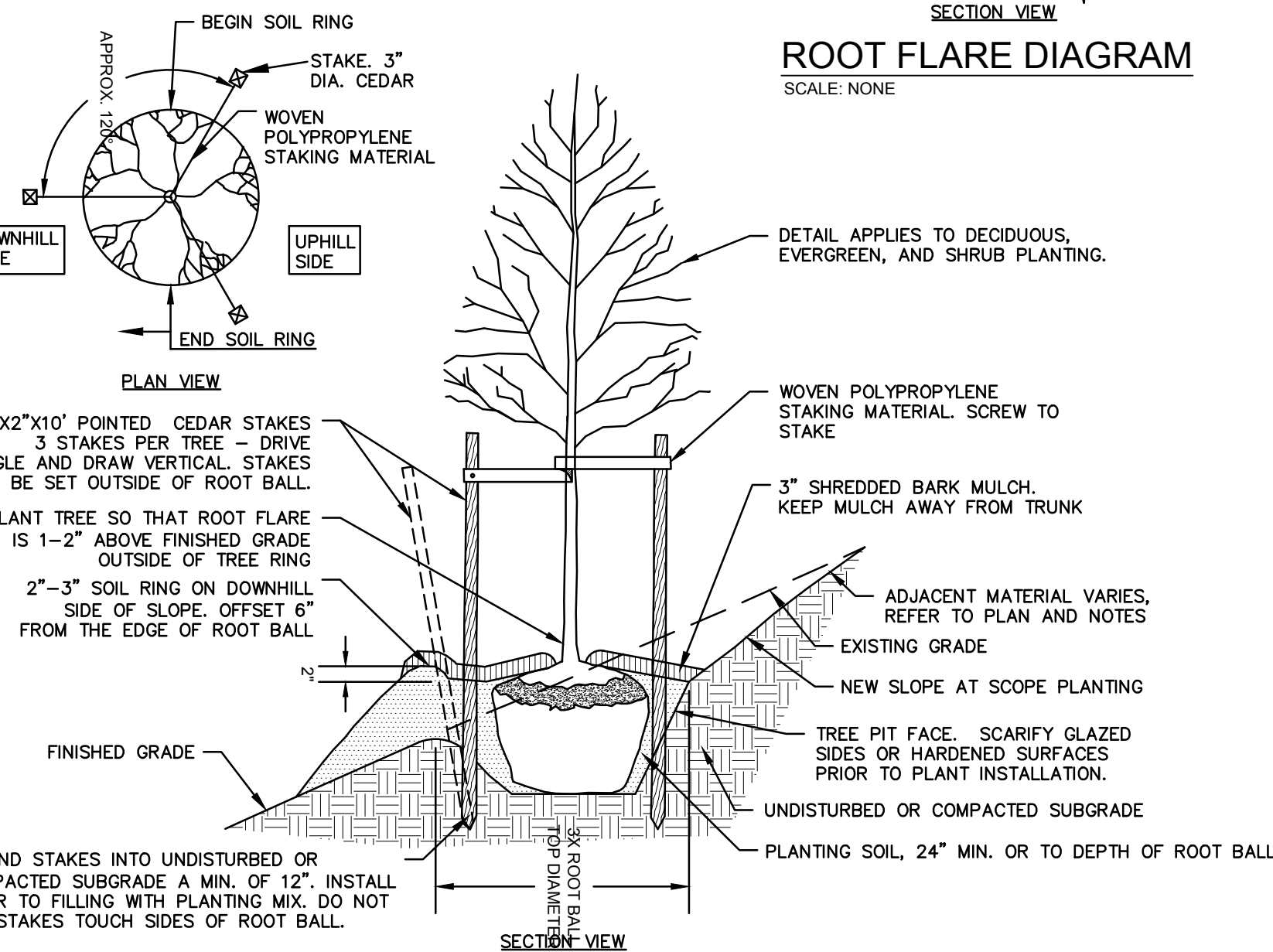
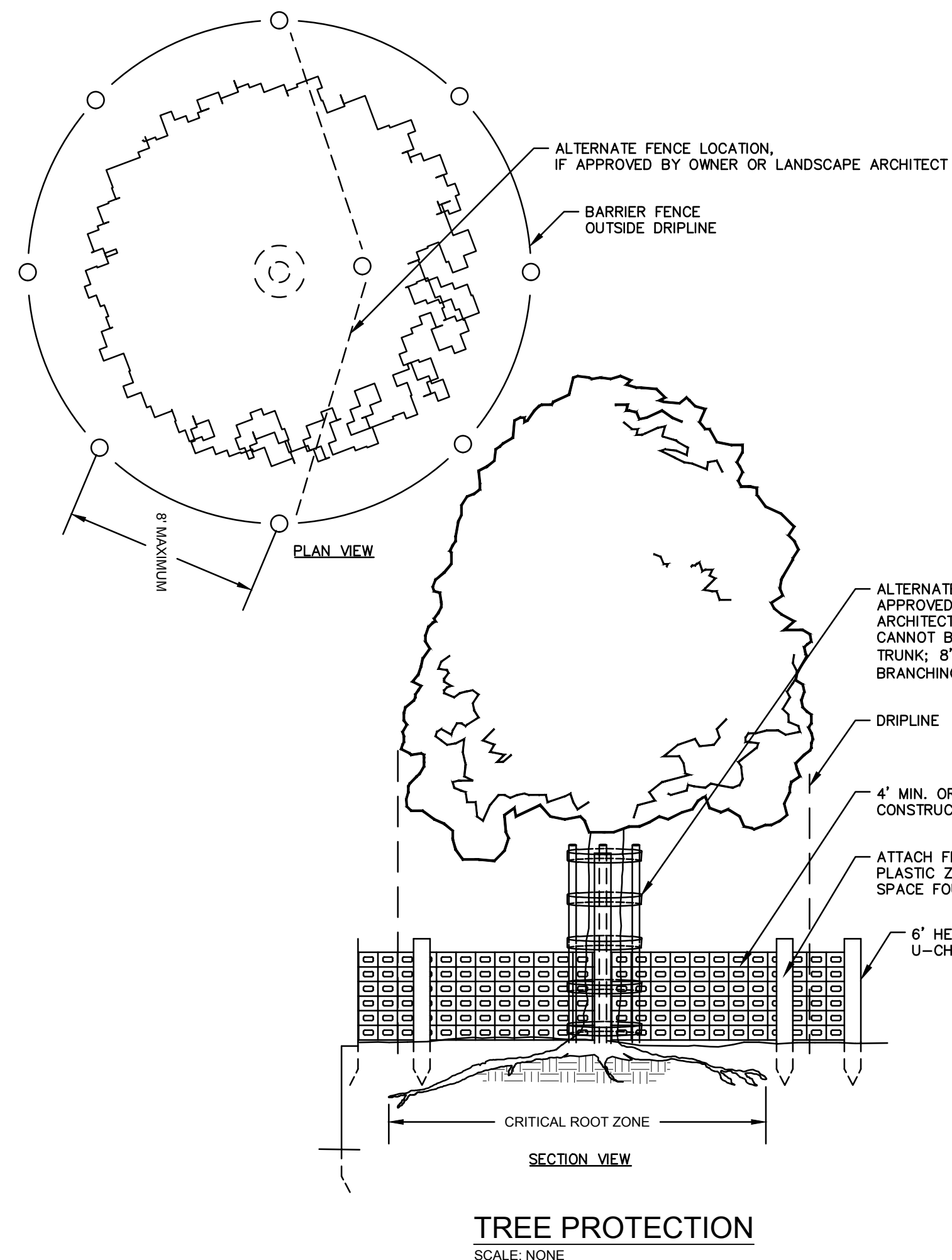
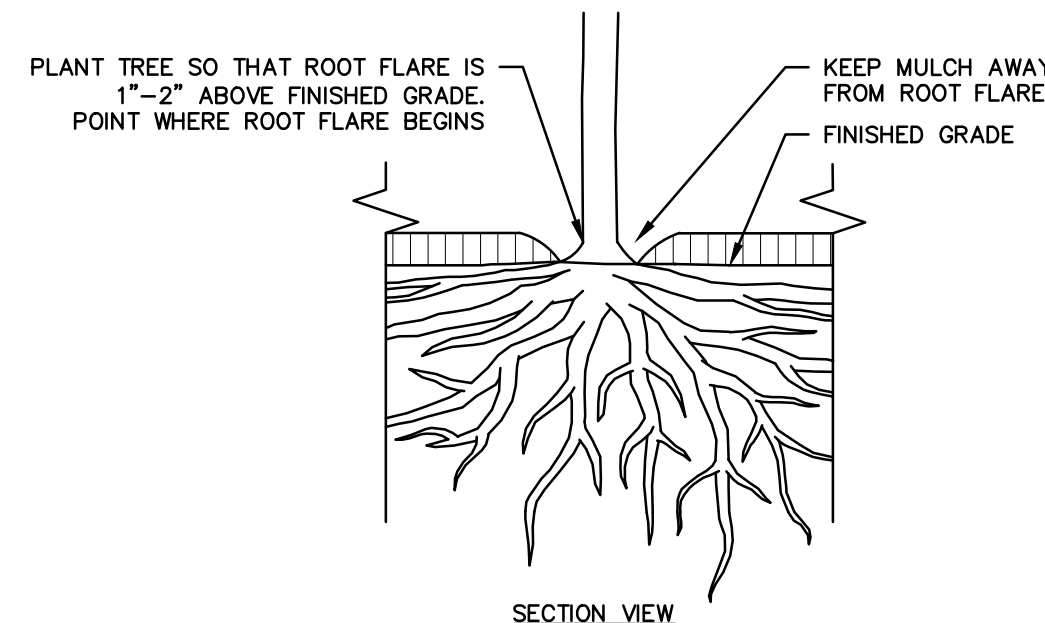
- NOTES:**
- STAKING FOR TREES ON 4:1 SLOPES OR LESS TO BE PERFORMED AT CONTRACTOR'S DISCRETION.
  - WOVEN POLYPROPYLENE STAKING MATERIAL SHALL BE DEEPROOT ARBORTIE (GREEN) OR APPROVED EQUIVALENT. MATERIAL SHALL BE LOOPED AROUND TREE THROUGH EACH OTHER, TWISTED, AND SECURED TO THE STAKE. INSTALL SPECIFIED MATERIAL IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
  - BEFORE IN HOLE, REMOVE BOTTOM OF CAGE. ONCE IN HOLE, REMOVE REST OF CAGE FROM ROOT BALL. REMOVE TWINE AND BURLAP FROM TOP 1/3 OF ROOT BALL - SCORE REMAINING 2/3 OF BURLAP. IF BURLAP IS SYNTHETIC OR HAS BEEN TREATED WITH ANTI-DESSICANT, COMPLETELY REMOVE IT FROM ROOT BALL.

**EVERGREEN TREE PLANTING**  
SCALE: NONE



- NOTES:**
- TREES AT SLOPES 4:1 OR GREATER MUST BE STAKED. THIS DETAIL SHALL APPLY TO TREE PLANTING ON 4H:1V SLOPES OR STEEPER UNLESS OTHERWISE DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE.
  - WOVEN POLYPROPYLENE STAKING MATERIAL SHALL BE DEEPROOT ARBORTIE (GREEN) OR APPROVED EQUIVALENT. MATERIAL SHALL BE LOOPED AROUND TREE THROUGH EACH OTHER, TWISTED, AND SECURED TO THE STAKE. INSTALL SPECIFIED MATERIAL IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
  - BEFORE IN HOLE, REMOVE BOTTOM OF CAGE. ONCE IN HOLE, REMOVE REST OF CAGE FROM ROOT BALL. REMOVE TWINE AND BURLAP FROM TOP 1/3 OF ROOT BALL - SCORE REMAINING 2/3 OF BURLAP. IF BURLAP IS SYNTHETIC, OR HAS BEEN TREATED WITH ANTI-DESSICANT, COMPLETELY REMOVE IT FROM ROOT BALL.

**SLOPE PLANTING**  
SCALE: NONE



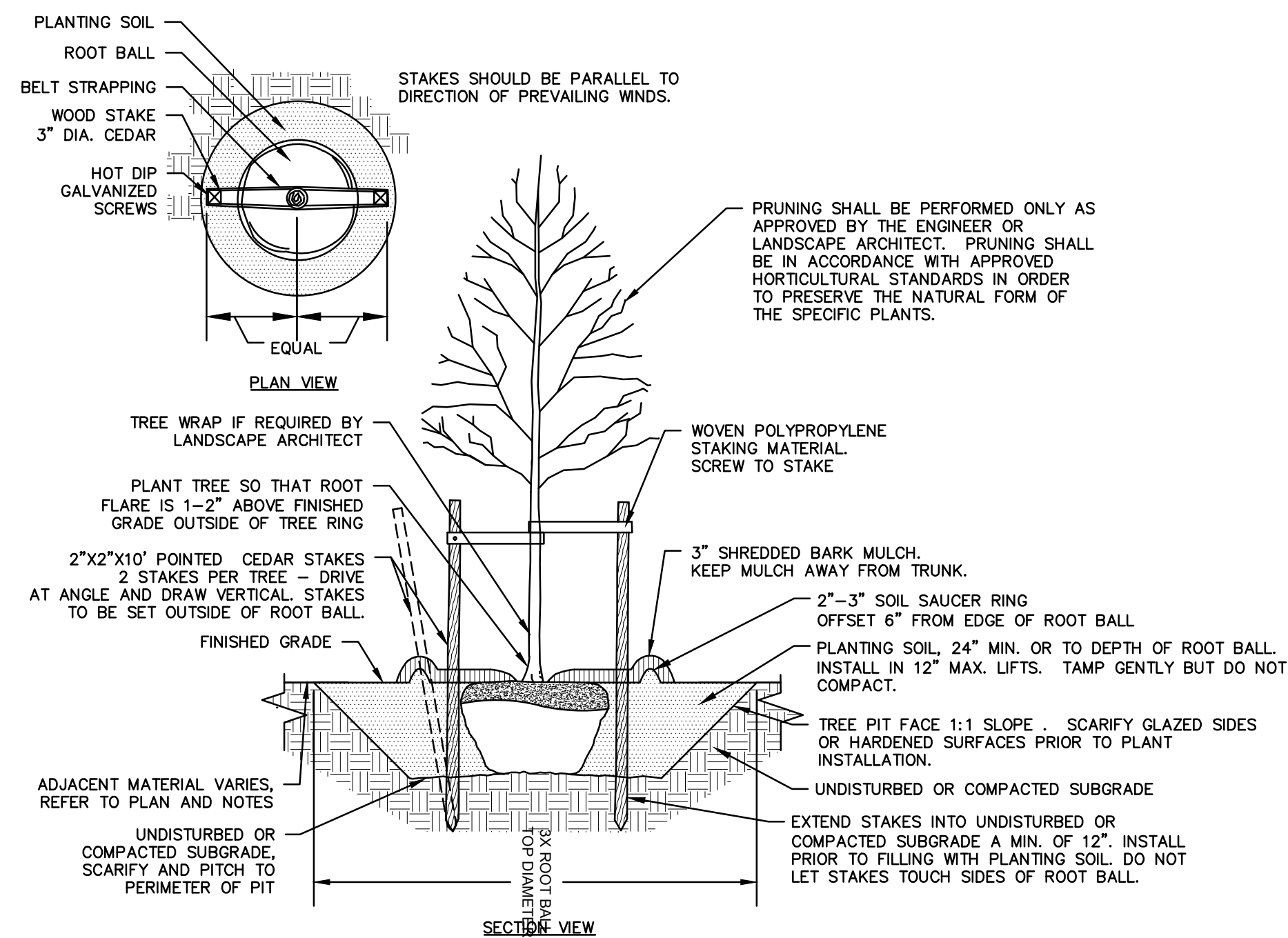
- NOTES:**
- TREES AT SLOPES 4:1 OR GREATER MUST BE STAKED. THIS DETAIL SHALL APPLY TO TREE PLANTING ON 4H:1V SLOPES OR STEEPER UNLESS OTHERWISE DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE.
  - WOVEN POLYPROPYLENE STAKING MATERIAL SHALL BE DEEPROOT ARBORTIE (GREEN) OR APPROVED EQUIVALENT. MATERIAL SHALL BE LOOPED AROUND TREE THROUGH EACH OTHER, TWISTED, AND SECURED TO THE STAKE. INSTALL SPECIFIED MATERIAL IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
  - BEFORE IN HOLE, REMOVE BOTTOM OF CAGE. ONCE IN HOLE, REMOVE REST OF CAGE FROM ROOT BALL. REMOVE TWINE AND BURLAP FROM TOP 1/3 OF ROOT BALL - SCORE REMAINING 2/3 OF BURLAP. IF BURLAP IS SYNTHETIC, OR HAS BEEN TREATED WITH ANTI-DESSICANT, COMPLETELY REMOVE IT FROM ROOT BALL.

**SLOPE PLANTING**  
SCALE: NONE

B

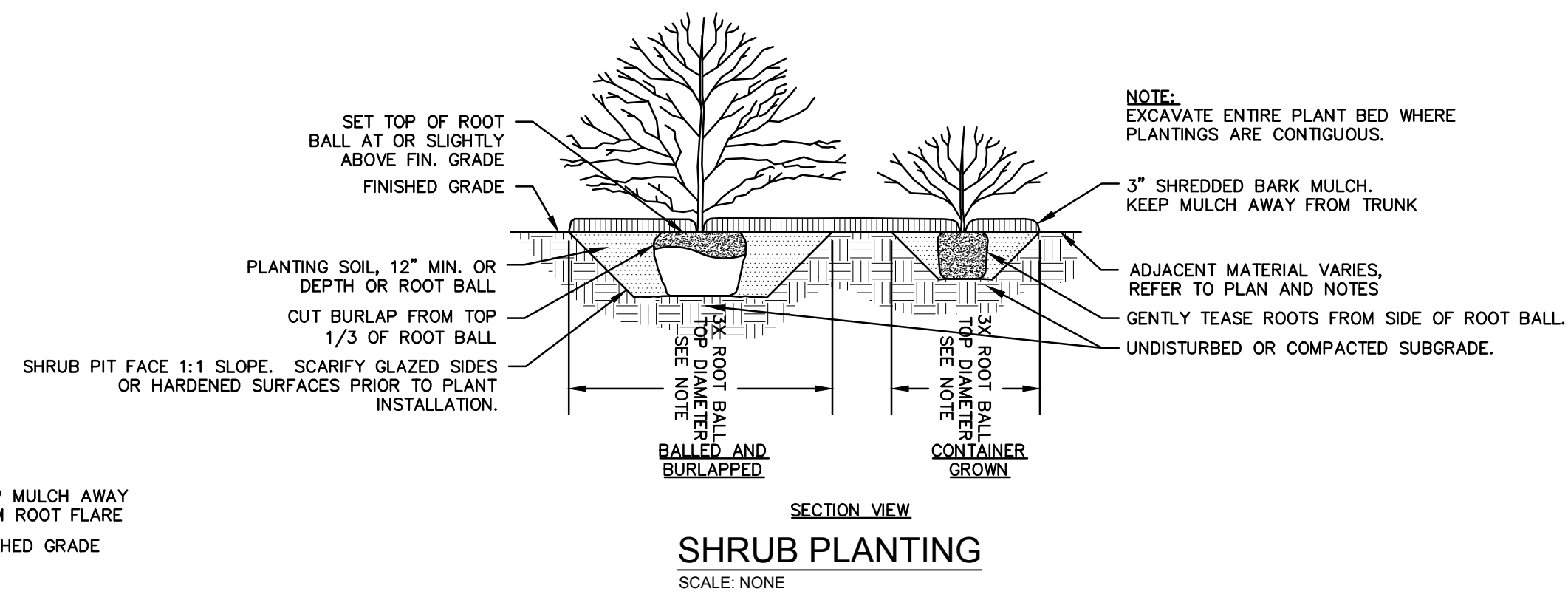
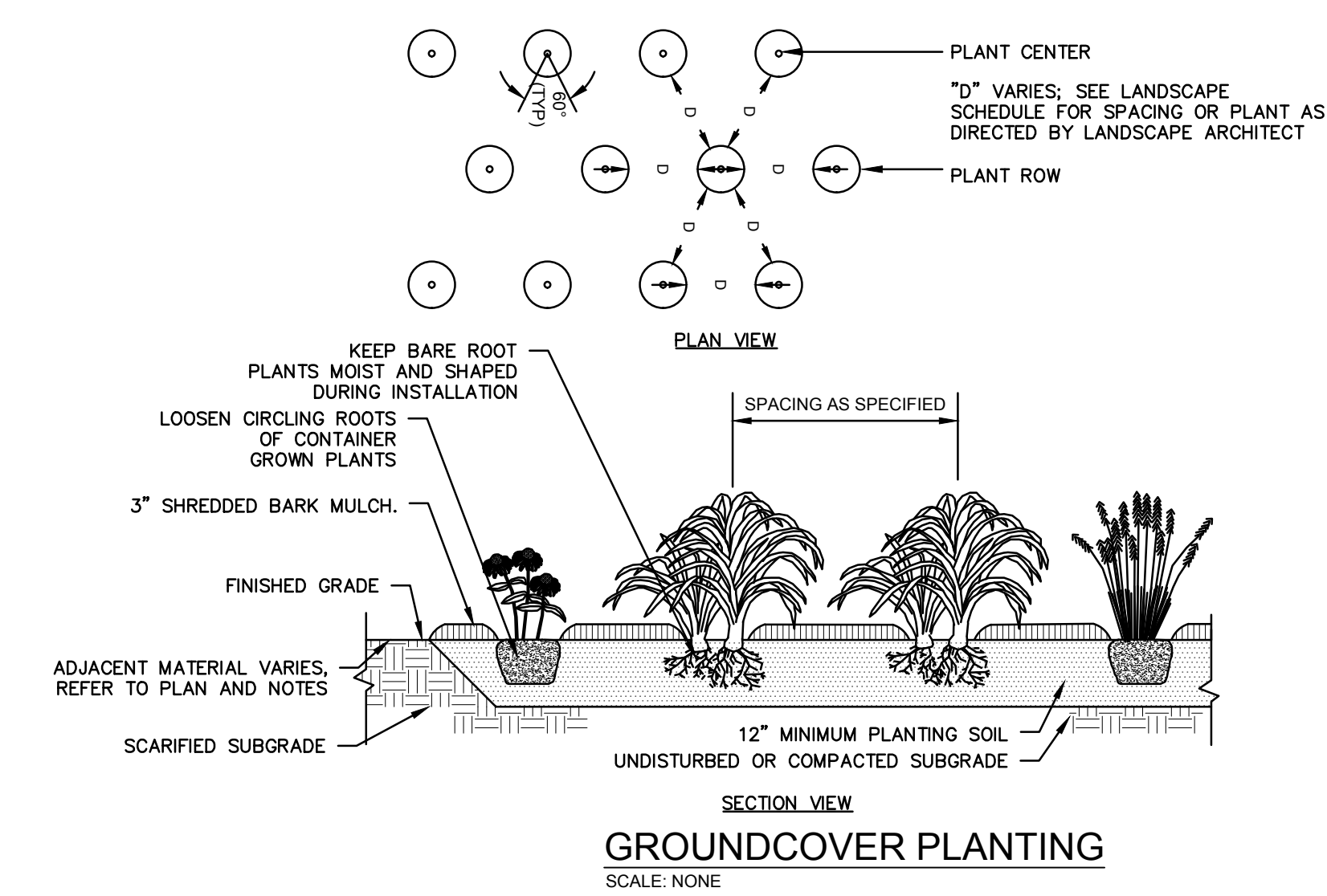
C

D



- NOTES:**
- STAKING FOR TREES ON SLOPES SHALLOWER THAN 4:1 OR LESS THAN 3" CALIPER TO BE PERFORMED AT CONTRACTOR'S DISCRETION.
  - WOVEN POLYPROPYLENE STAKING MATERIAL SHALL BE DEEPROOT ARBORTIE (GREEN) OR APPROVED EQUIVALENT. MATERIAL SHALL BE LOOPED AROUND TREE THROUGH EACH OTHER, TWISTED, AND SECURED TO THE STAKE. INSTALL SPECIFIED MATERIAL IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
  - BEFORE IN HOLE, REMOVE BOTTOM OF CAGE. ONCE IN HOLE, REMOVE REST OF CAGE FROM ROOT BALL. REMOVE TWINE AND BURLAP FROM TOP 1/3 OF ROOT BALL - SCORE REMAINING 2/3 OF BURLAP. IF BURLAP IS SYNTHETIC OR HAS BEEN TREATED WITH ANTI-DESSICANT, COMPLETELY REMOVE IT FROM ROOT BALL.

**DECIDUOUS TREE PLANTING**  
SCALE: NONE



**SHRUB PLANTING**  
SCALE: NONE

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**C-6.3**