

GENERAL NOTES

- 1. LOT LINE & TOPOGRAPHIC INFORMATION FOR 97 FITCH AVENUE TAKEN FROM (NAME OF SURVEY) PREPARED BY WALTER H. SKIDD LAND SURVEYOR, LLC DATED JANUARY 18, 2017.
2. CONTRACTOR TO INVESTIGATE, TV AND DETERMINE THE EXISTING CONDITIONS OF THE EXISTING SEWER LATERAL PRIOR TO CONNECTING THE PROPOSED SANITARY SEWER LATERAL.

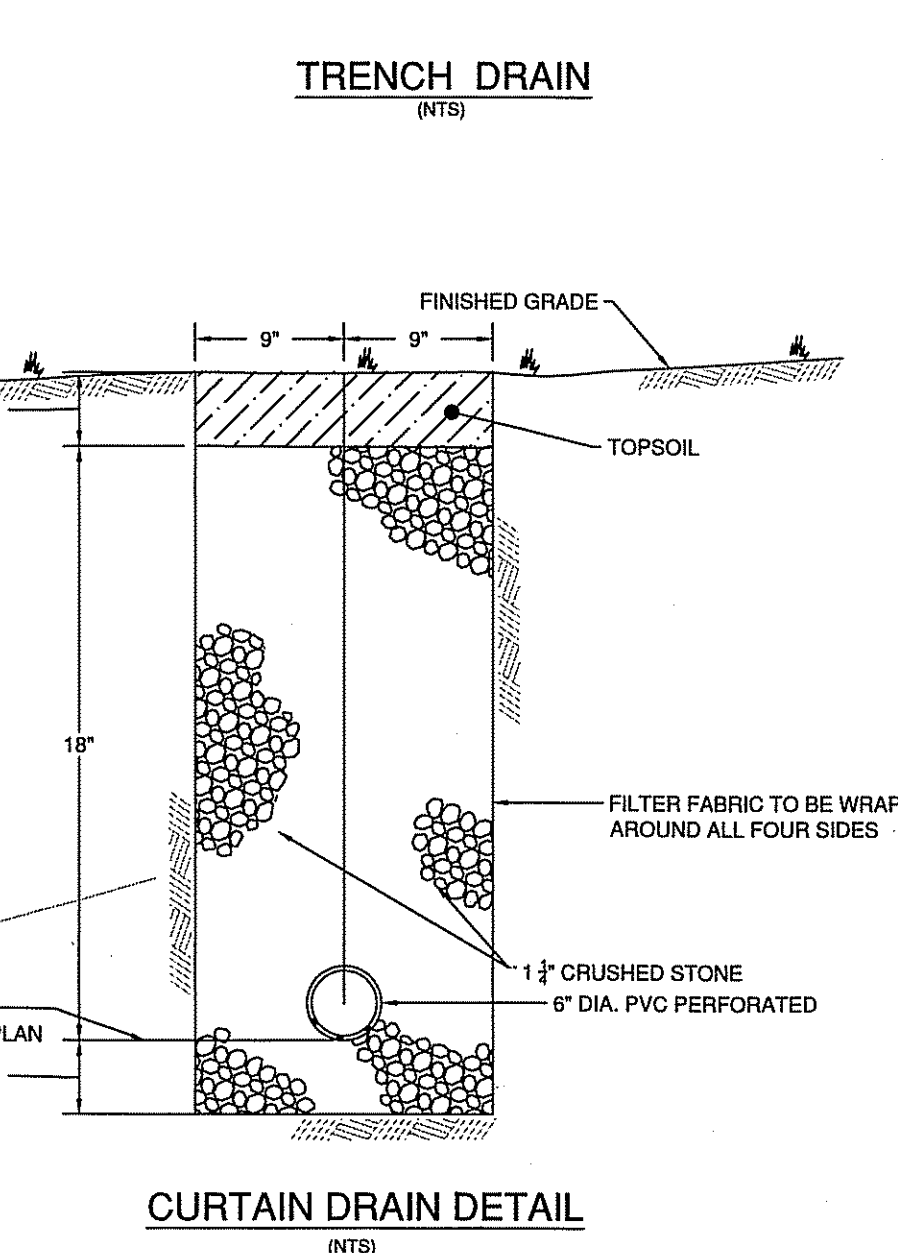
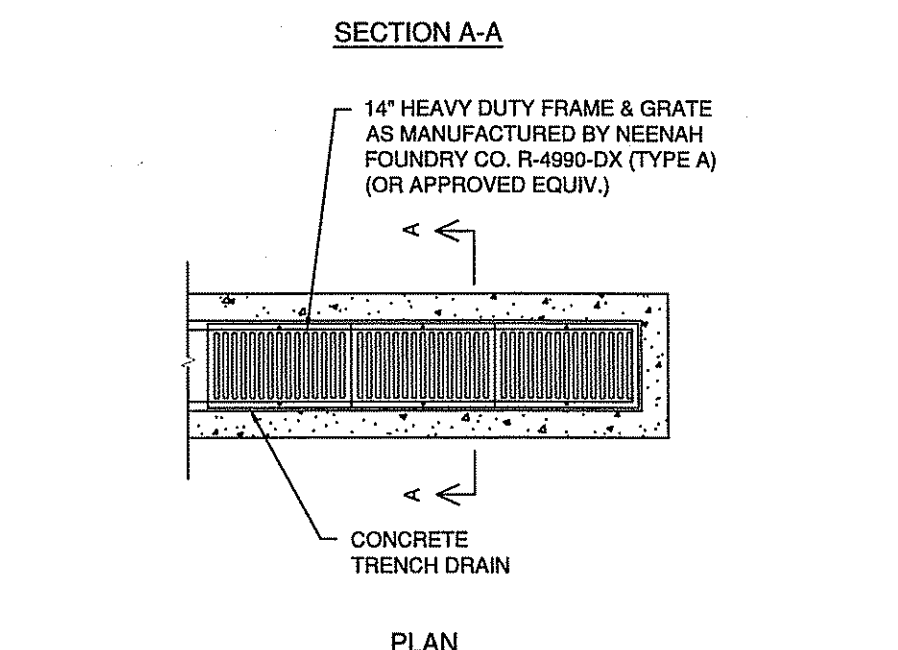
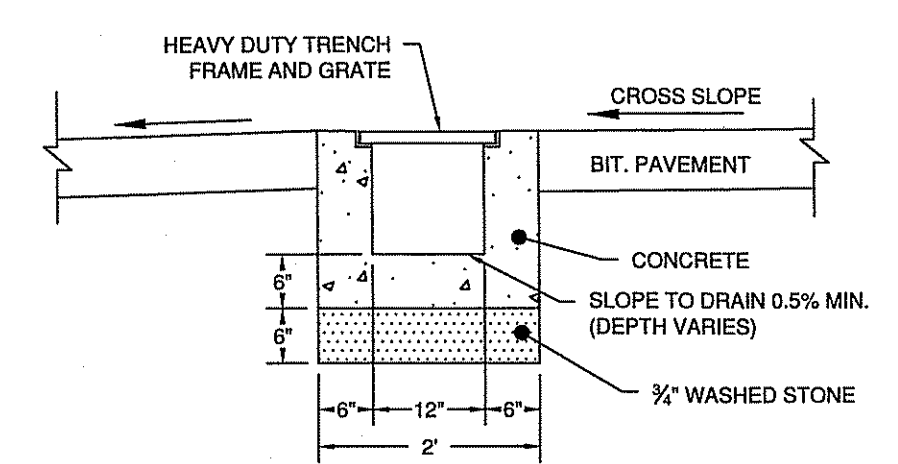
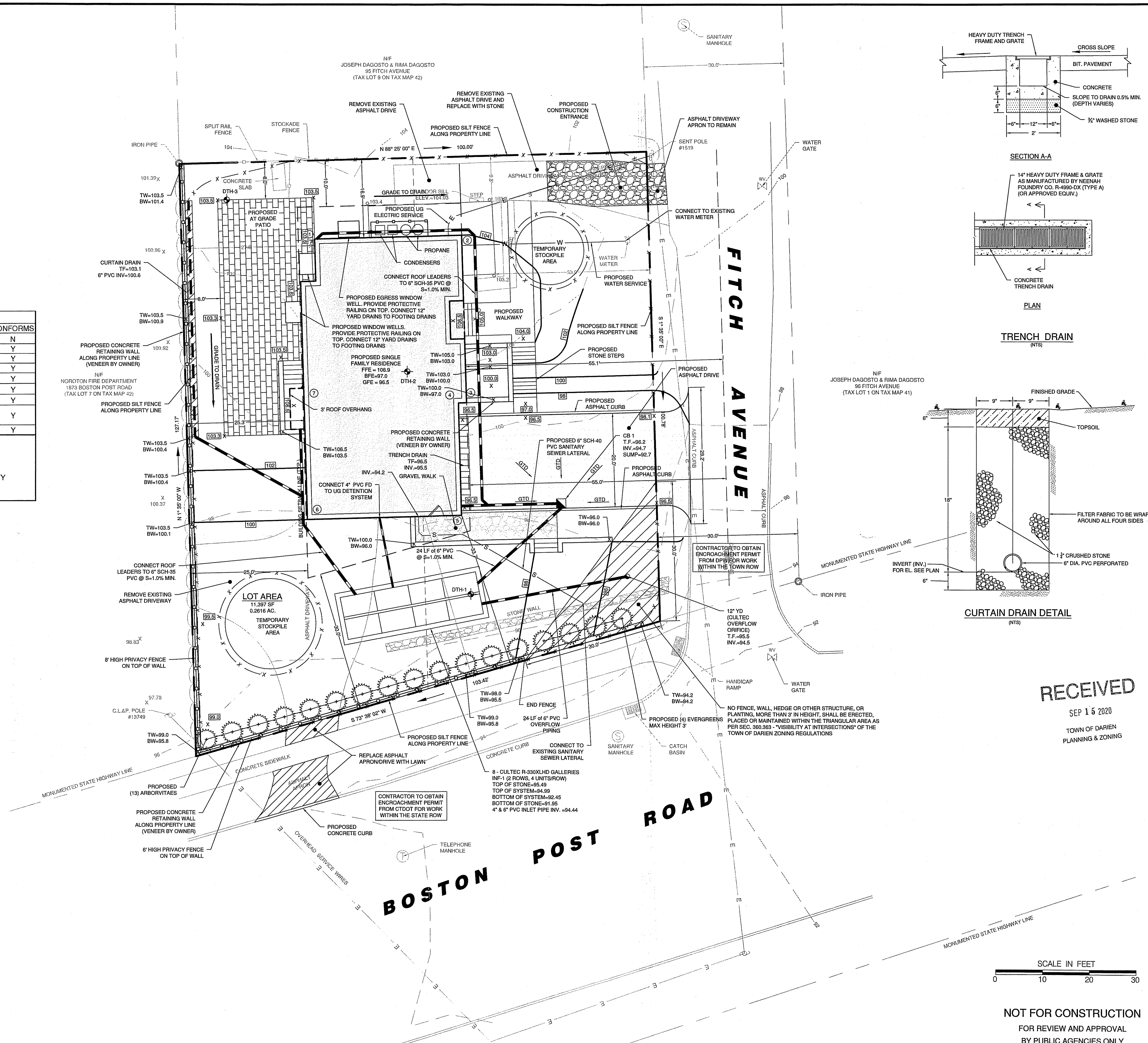
ZONING GRID - R 1/3

Table with 5 columns: LOT AREA, REQUIRED, EXISTING, PROPOSED, CONFORMS. Rows include Lot Area (14,250 SF), Lot Width (80'), Lot Frontage (50'), Lot Depth (100'), Front Setback (30' & 55' from CL), Side Setback (10'), Rear Setback (25'), Maximum Building Height (30'), Roof Midpoint Avg. Grade (101.8'), and Maximum Building Coverage (20%).

- NOTES:
1. NON-CONFORMING LOT AREA.
2. CORNER LOT, FITCH AVE ROW 30' WIDE THEREFORE 55' FROM CENTERLINE.
3. PRE-EXISTING NON-CONFORMING STRUCTURES TO SETBACKS.
4. EXISTING ZONING DATA TAKEN FROM ZONING/LOCATION SURVEY MAP OF PROPERTY PREPARED BY WALTER H. SKIDD - LANDSURVEYOR LLC, DATED JANUARY 18, 2017.
5. CORNER LOT, NO REAR YARD.

LEGEND

Legend detailing symbols and linetypes for existing and proposed features. Existing symbols include Iron Pin, Monument, Manhole, Catch Basin, Sanitary Sewer Manhole, etc. Proposed symbols include Storm Yard Drain, Storm Drain Manhole, Catch Basin, etc. Existing linetypes include Property Line, Sanitary Sewer Line, U/G Elec. Line, etc. Proposed linetypes include Sanitary Sewer, Electric Service, U/G Elec. Line, etc.



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TOWN OF DARIEN
PLANNING & ZONING



NOT FOR CONSTRUCTION
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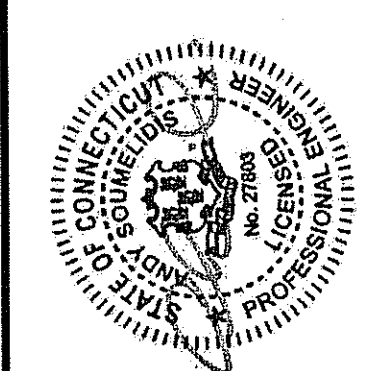


Table with 3 columns: REVISION DATE, REVISION DESCRIPTION, ISSUED FOR. Includes entries for 'ISSUED FOR LAND FILLING PERMIT' and 'REVISED PER NEW CONTRACT'.

LANDTECH
Civil Engineering - Site Planning
Environmental Science & Engineering
Professional Surveying & Mapping
Construction Management & Financing
518 Riverside Avenue • Westport, Connecticut 06880 • 203-454-2110 • info@landtechconsult.com

TERENCE FILEWYCH
PROJECT LOCATION: 97 FITCH AVENUE, DARIEN, CT
TITLE: SITE IMPROVEMENTS FOR A SINGLE FAMILY RESIDENCE, SITE PLAN
PROJECT No. 18140-01
SCALE 1" = 10'
DATE 10/23/19
DRAWN BY: CL
CHECKED BY: AS
C-1

**GENERAL EROSION AND SEDIMENT CONTROL NOTES**

- LAND DISTURBANCE WILL BE KEPT TO A MINIMUM; RESTABILIZATION WILL BE SCHEDULED AS SOON AS POSSIBLE.
- SILT FENCE WILL BE INSTALLED ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES, SOIL STOCKPILE AREAS, AND IN THOSE AREAS SHOWN ON THE PLAN.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE STATE OF CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, 2002.
- EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO LAND DISTURBANCE WHENEVER POSSIBLE.
- ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PROPERLY MAINTAINED UNTIL STABILIZATION HAS BEEN ACHIEVED.
- ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF NECESSARY OR REQUIRED. A MINIMUM OF 50 FEET OF SILT FENCE SHALL BE STORED AT THE SITE FOR EMERGENCY USE.
- ANY EXCAVATIONS THAT MUST BE DEWATERED WILL BE PUMPED INTO AN ACTIVE DRAINAGE SYSTEM OR DISPERSED IN AN UNDISTURBED FIELD AREA. THE INLETS OF ALL PUMPS ARE TO BE FLOATED A MINIMUM OF 24 INCHES OFF THE BOTTOM OF THE EXCAVATION.
- WATER AND CALCIUM CHLORIDE SHALL BE APPLIED TO UNPAVED ACCESSWAYS TO PREVENT WIND GENERATED SEDIMENTS AND DUST.
- DEBRIS AND OTHER WASTES RESULTING FROM EQUIPMENT MAINTENANCE AND CONSTRUCTION ACTIVITIES WILL NOT BE DISCARDED ON-SITE.
- SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH INTENT OF THE PLAN.
- SILT FENCES SHALL HAVE SEDIMENT REMOVED WHEN THE DEPTH OF THE SEDIMENT IS EQUAL TO 1/2 THE HEIGHT OF THE FENCE. FENCES SHALL BE PROPERLY INSTALLED AND REPAIRED OR BROKEN POSTS REPAIRED AS SOON AS PRACTICAL.
- ANTI-TRACKING PADS AND GRAVEL CHECK DAMS SHALL BE REPLACED WHEN VOID SPACES ARE FULL OR STRUCTURES ARE BREACHED, AS APPLICABLE.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND THE SOIL SURFACE STABILIZED WHEN CONSTRUCTION IS COMPLETE AND THE SOIL SURFACES ARE PERMANENTLY STABILIZED. STRUCTURAL COMPONENTS SHALL BE CLEANED OF ALL SEDIMENT UPON COMPLETION OF CONSTRUCTION.
- THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PLANNING AND ZONING COMMISSION OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT PLAN IF AND WHEN THE TITLE OF LAND IS TRANSFERRED.

**TEST HOLE DATA**

SOIL TESTS CONDUCTED ON JANUARY 17, 2019

**TEST HOLE 1**

- 0 - 22" TOPSOIL
- 22 - 38" RED BROWN FINE SANDY LOAM
- 38 - 78" TAN FINE SAND & GRAVEL
- 78 - 102" TAN FINE SAND
- ROOTS TO 40"
- NO MOTTLING, NO GROUNDWATER, NO LEDGE
- NO RESTRICTIVE LAYER

**TEST HOLE 2**

- 0 - 6" TOPSOIL
- 6 - 42" BROWN FINE SANDY LOAM
- 42 - 64" RED BROWN FINE SANDY LOAM
- 64 - 100" TAN SAND & GRAVEL
- ROOTS TO 42"
- NO MOTTLING, NO GROUNDWATER, NO LEDGE
- NO RESTRICTIVE LAYER

**TEST HOLE 3**

- 0 - 12" TOPSOIL
- 12 - 86" TAN SAND & GRAVEL
- ROOTS TO 44"
- NO MOTTLING, NO GROUNDWATER, NO LEDGE
- NO RESTRICTIVE LAYER

**PERCOLATION TEST DATA**

Time	Depth (in.)	Drop (in.)	Interval (min.)	Rate (min./in.)
8:30	3.50			
8:40	9.00	5.50	00:10	1.82
8:50	12.75	3.75	00:10	2.67
9:00	15.25	2.50	00:10	4.00
9:10	17.00	1.75	00:10	5.71
9:20	18.00	1.00	00:10	10.00
9:30	18.50	0.50	00:10	20.00

Final Rate: 1" in 20.00 minutes

**Form 817 Construction Notes**

All work within the State right-of-way will comply with Form 817, "The State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction" with the latest Special Provisions and Typical State Standard Details. In any case where the construction is not specifically detailed in the Form 817, the work will be completed as directed by the Engineer or District Permit Section Representative.

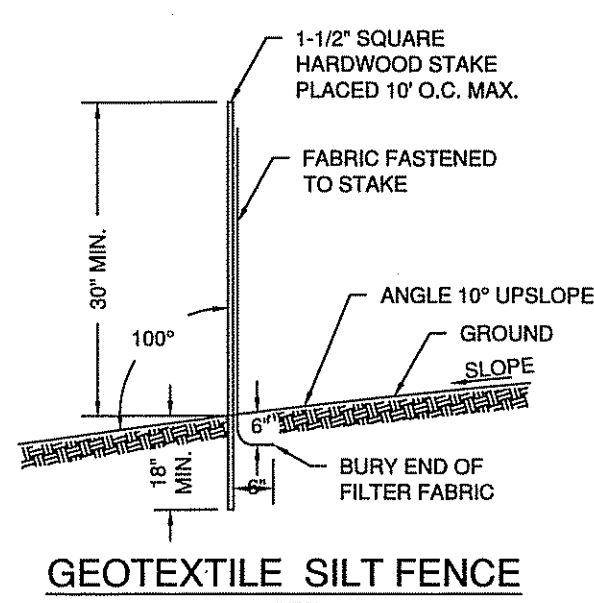
Removal of pavement markings along state roadways shall be completed by a non-destructive method in compliance with the State of Connecticut Department of Transportation Standard Specifications for Road, Bridges, and Incidental Construction Form 817 Section 12.11 as revised.

New Pavement markings shall be painted with epoxy resin paint in compliance with the State of Connecticut Department of Transportation Standard Specifications for Road, Bridges, and Incidental Construction Form 817 Section 12.10 as revised.

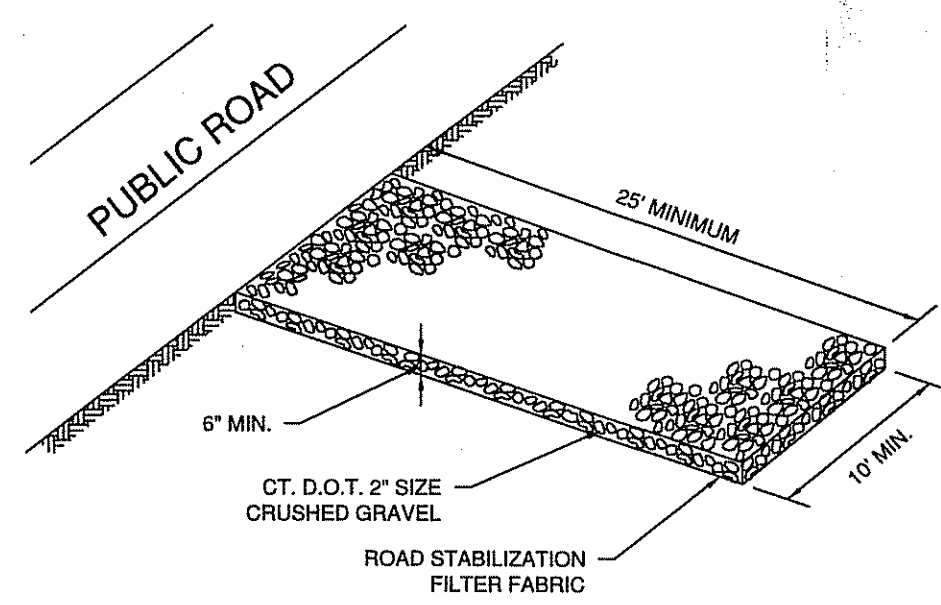
New sign material and sheeting shall be made of reflective material in compliance with State of Connecticut Department of Transportation Standard Specifications for Road, Bridges, and Incidental Construction Form 817 Section 12.08 as revised. Type 1 Reflective Sheeting shall be used for signs with white background, Type 3 Reflective Sheeting shall be used for signs with colored background except for signs with red background that shall be Type 8 or 9 Reflective Sheeting.

All signs and pavement markings installed within the State Right of Way must conform to the "Manual on Uniform Traffic Control Devices" and the latest State of Connecticut Catalog of Signs as revised.

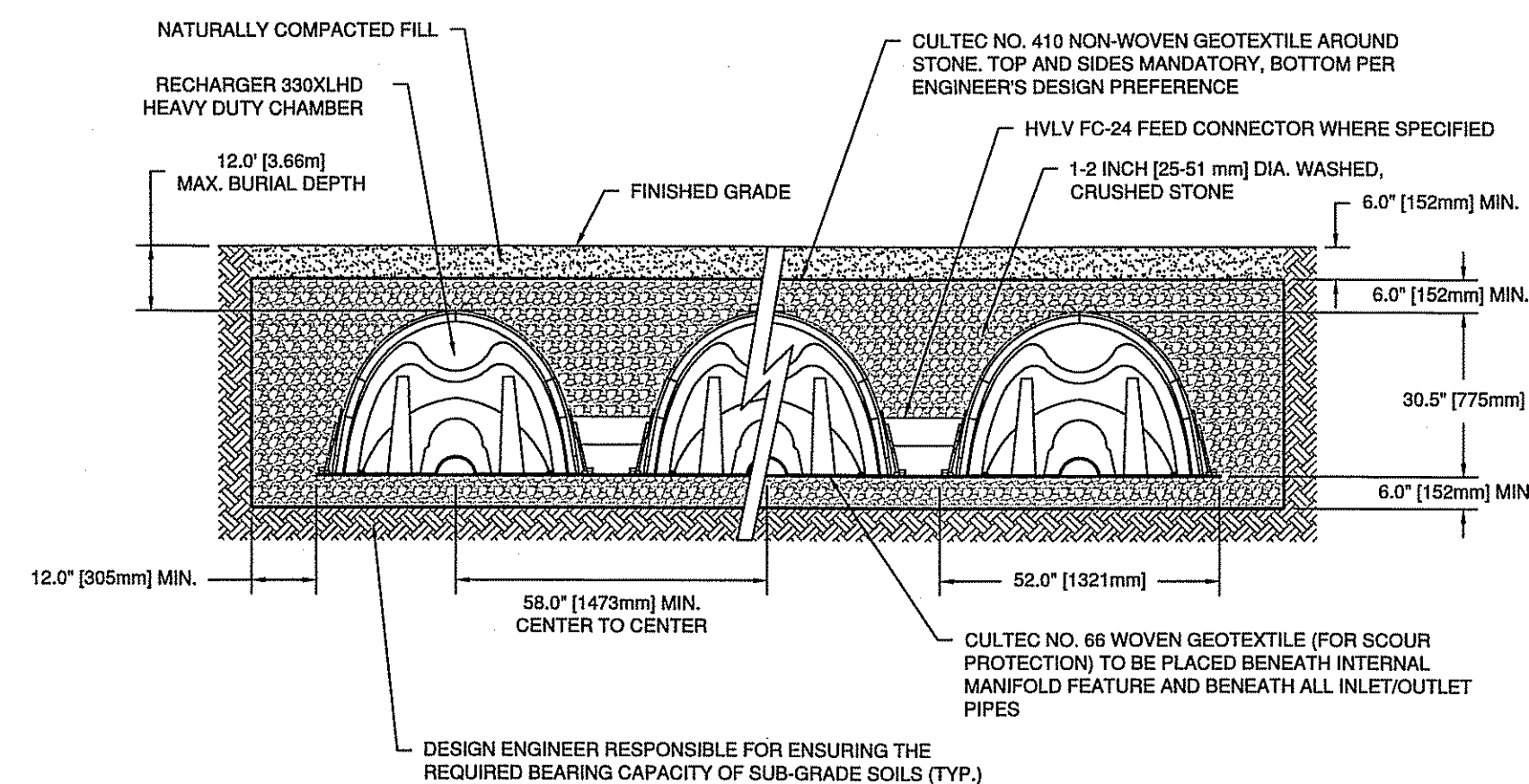
Any damage to the existing curb, sidewalk or any other highway appurtenances during the development of the permitted site will be replaced by the contractor as directed by the District 3 Permit Section at no cost to the State.



**GEOTEXTILE SILT FENCE**  
(NTS)



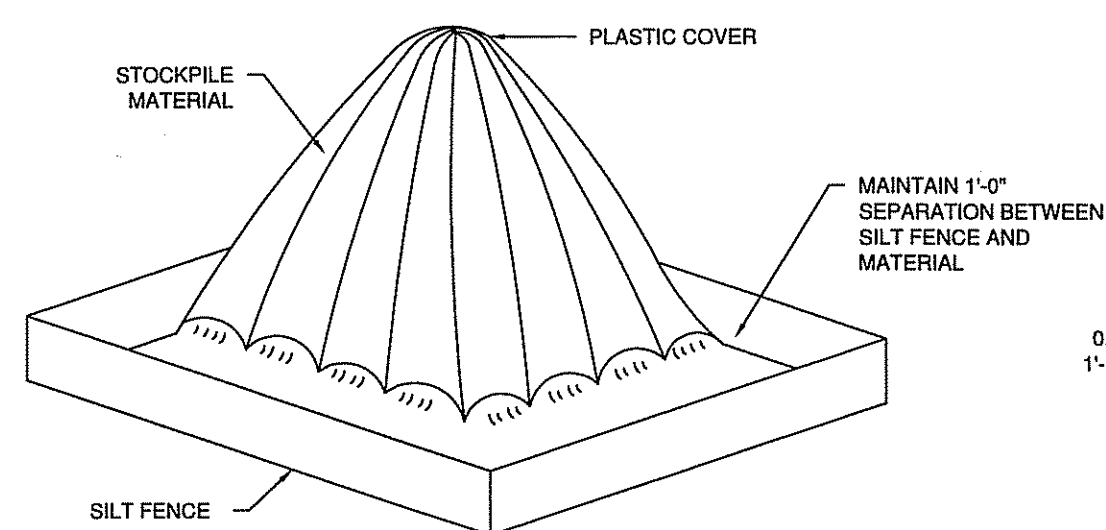
**CONSTRUCTION ENTRANCE**  
(NTS)



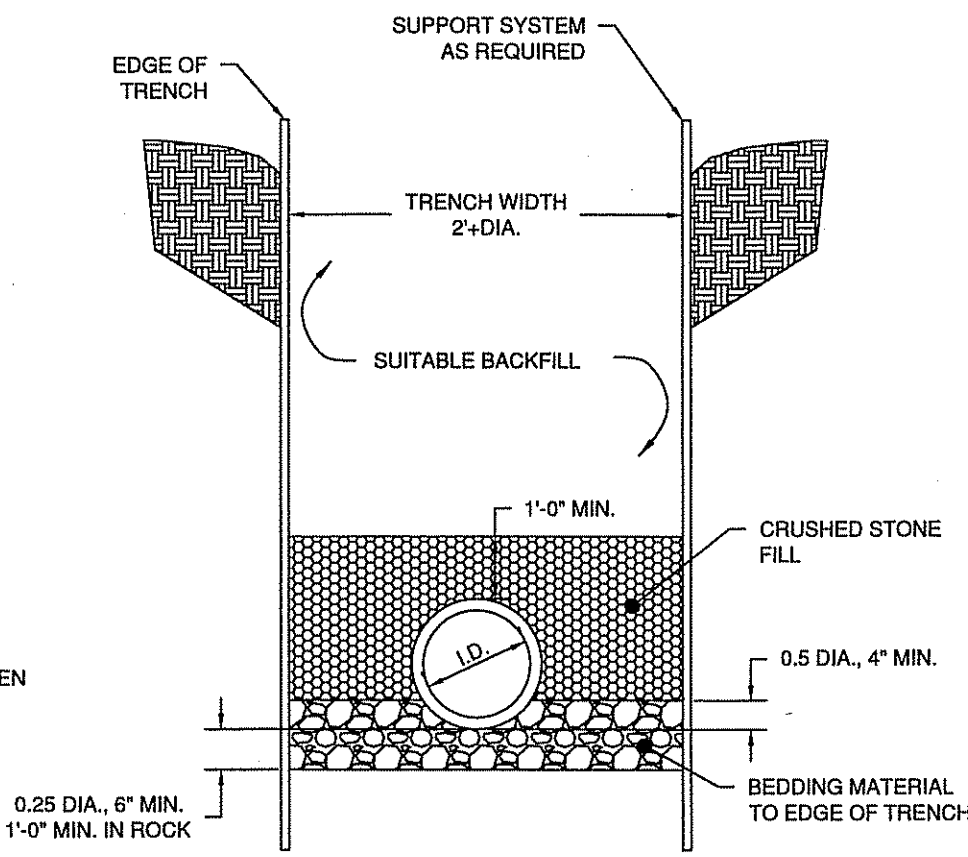
**GENERAL NOTES**  
RECHARGER 330XL HD BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 11.32 CF/FT (1.05 m<sup>3</sup>/m) PER DESIGN UNIT. REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES. THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

ALL RECHARGER 330XL HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER. ALL RECHARGER 330XL HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

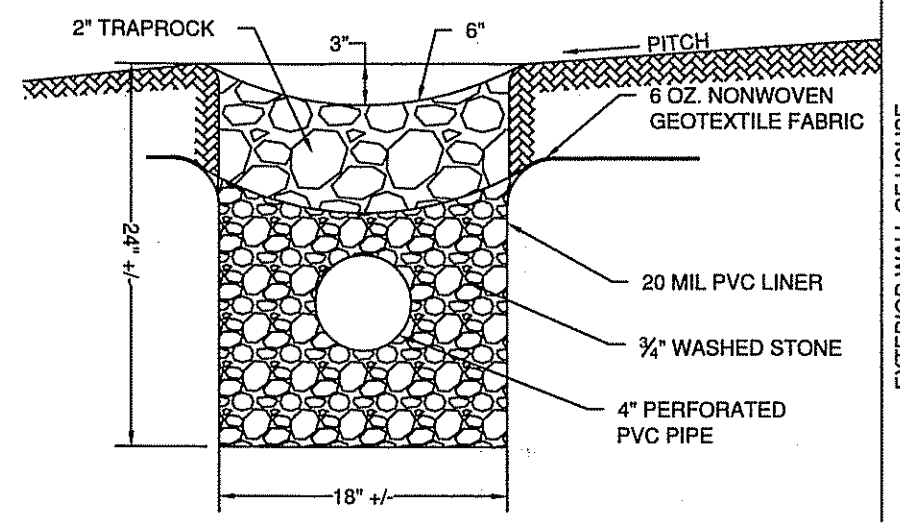
**CULTEC RECHARGER 330XLHD HEAVY DUTY (NON-TRAFFIC APP.) TYPICAL CROSS SECTION**  
(NTS)



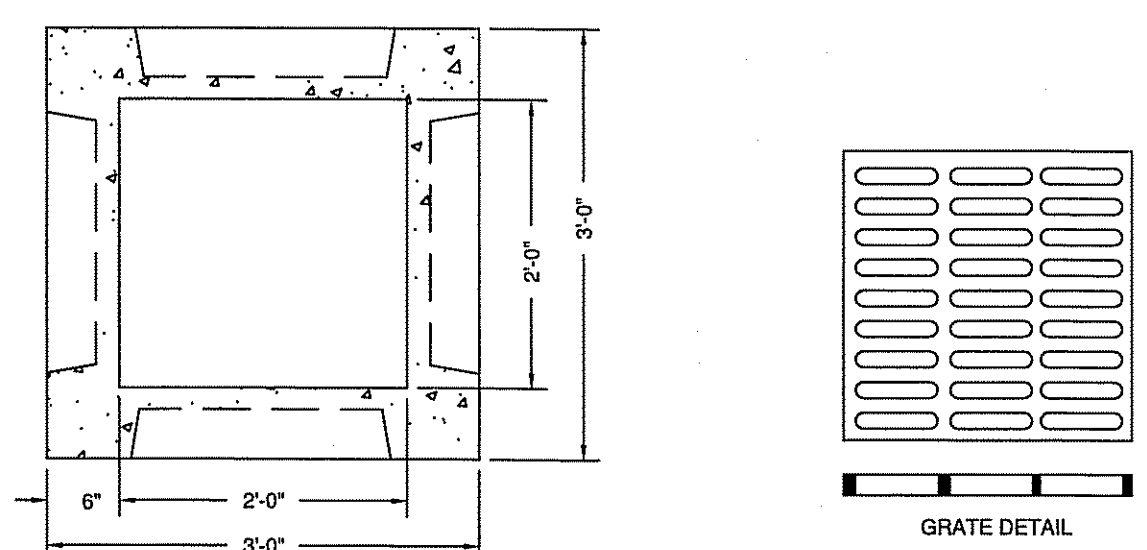
**STOCKPILE DETAIL**  
(NTS)



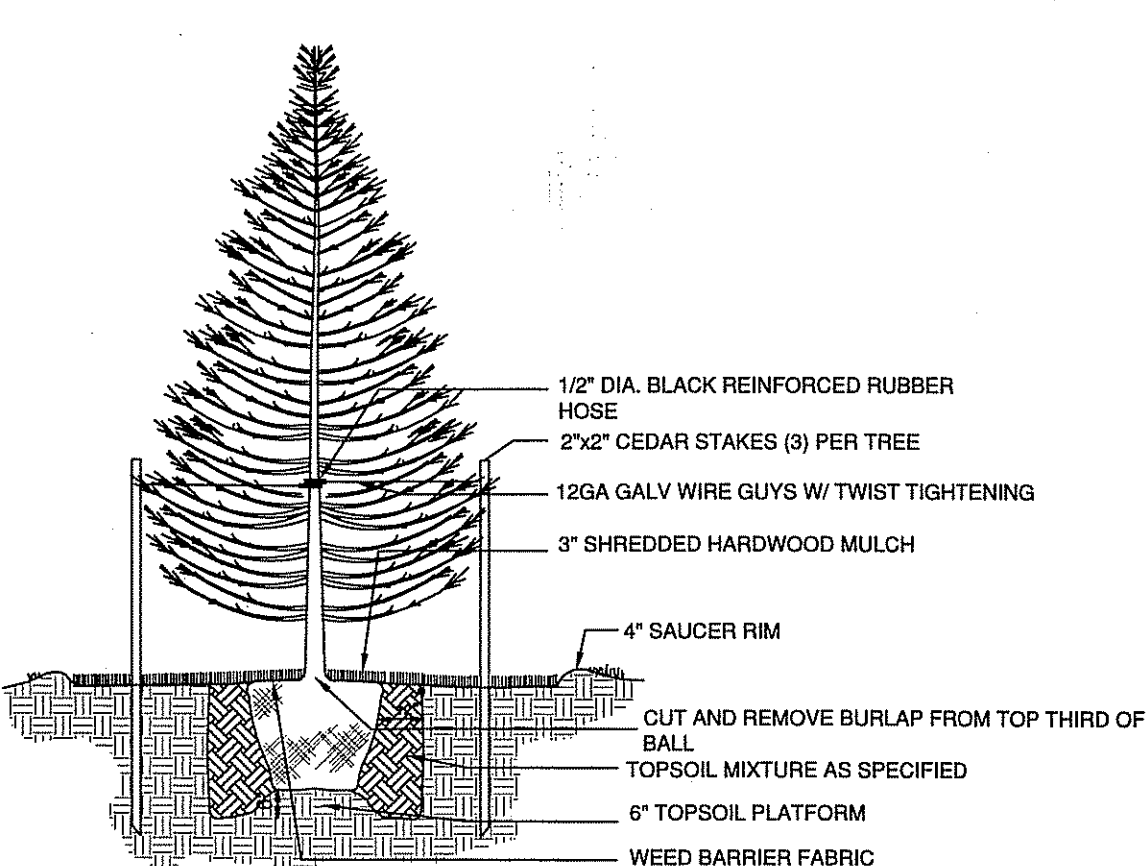
**DRAINAGE TRENCH TYPICAL CROSS SECTION**  
(NTS)



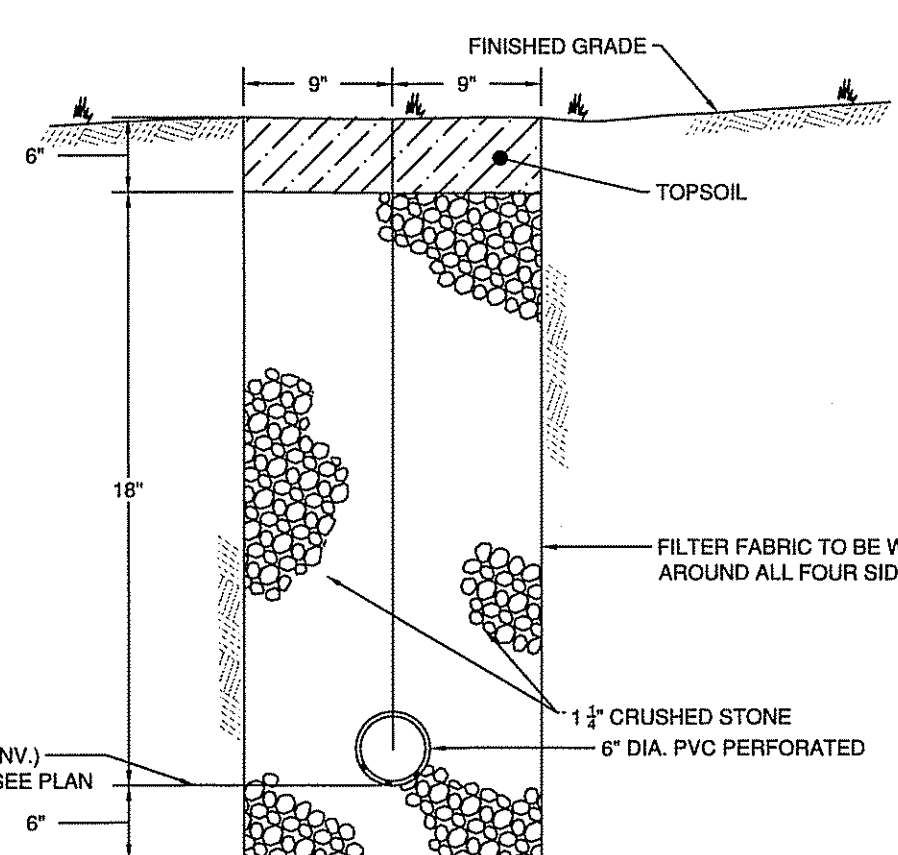
**TRENCH DRAIN**  
(NTS)



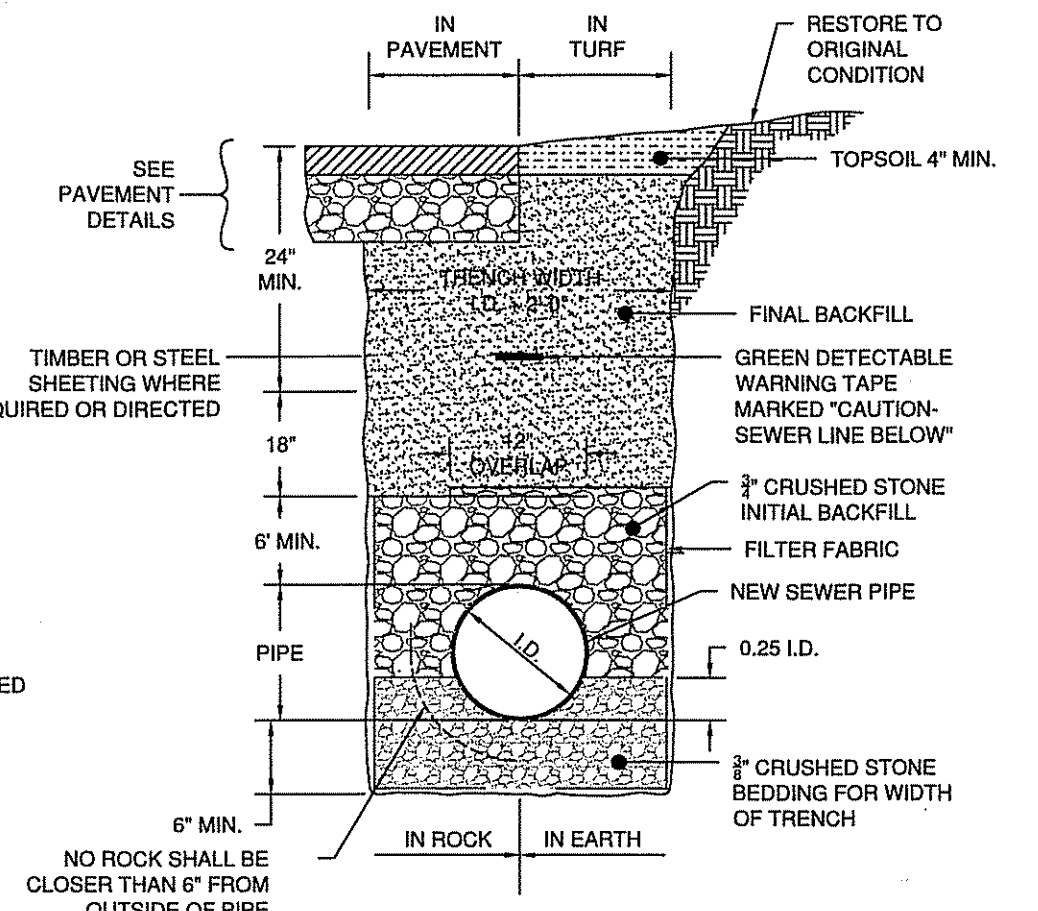
**2' X 2' PRECAST CONCRETE CATCH BASIN**  
(NTS)



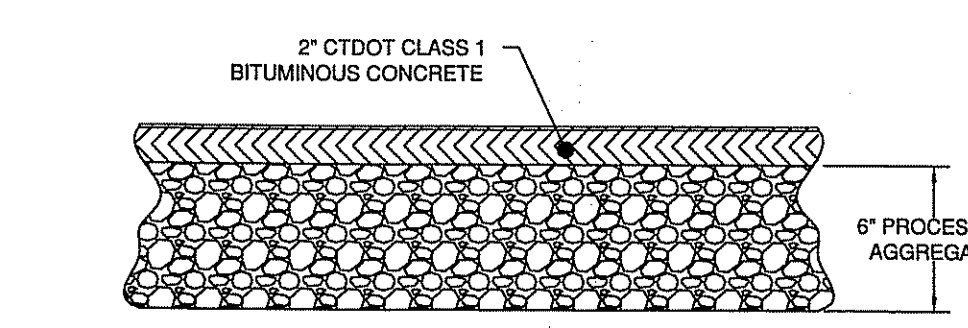
**ARBORVITAE PLANTING DETAIL**  
(NTS)



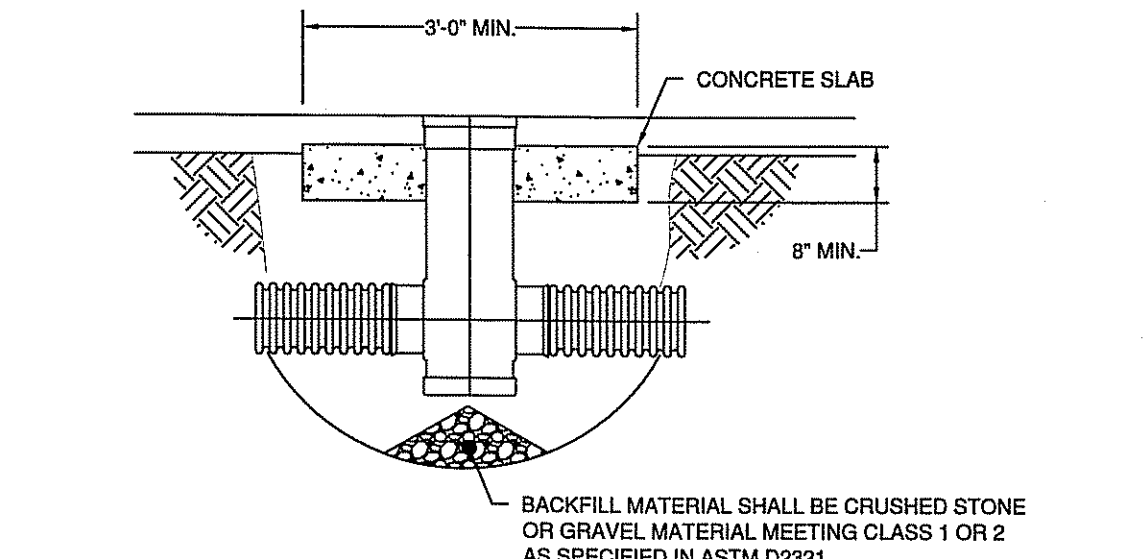
**CURTAIN DRAIN DETAIL**  
(NTS)



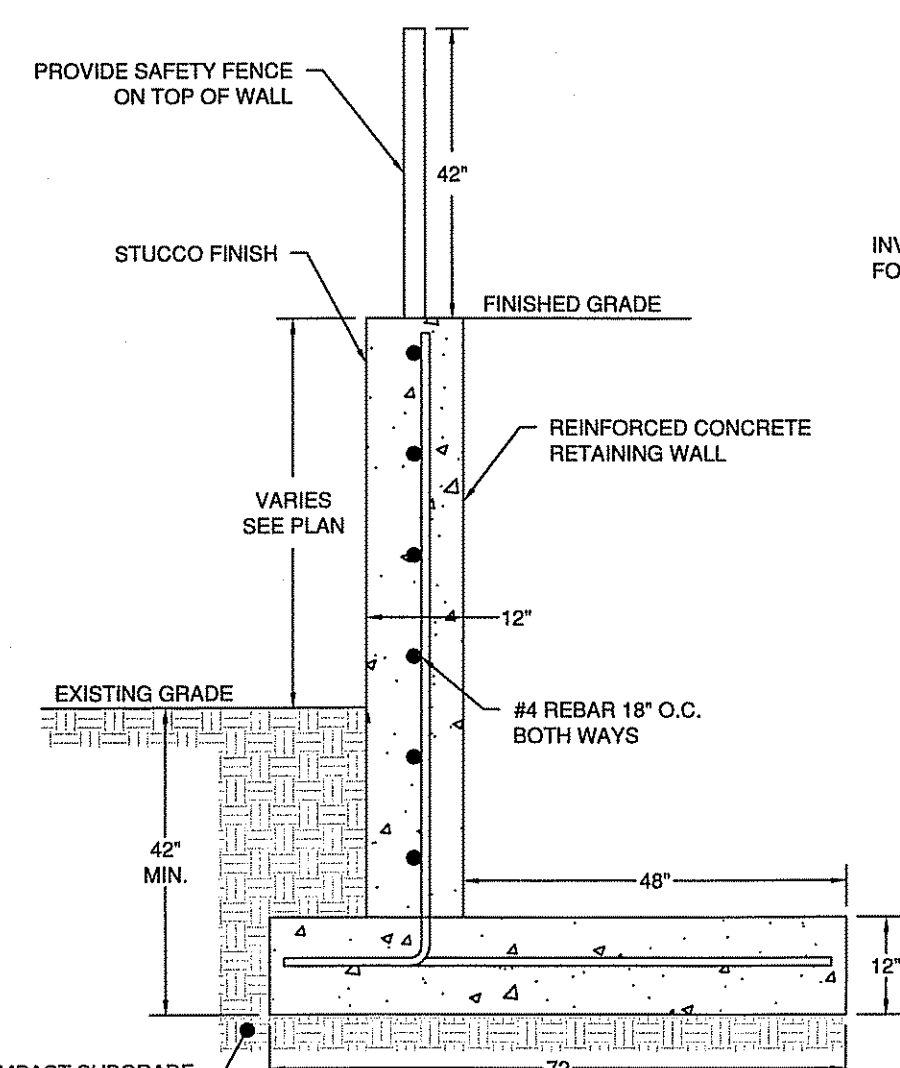
**SANITARY SEWER TRENCH TYPICAL CROSS SECTION**  
(NTS)



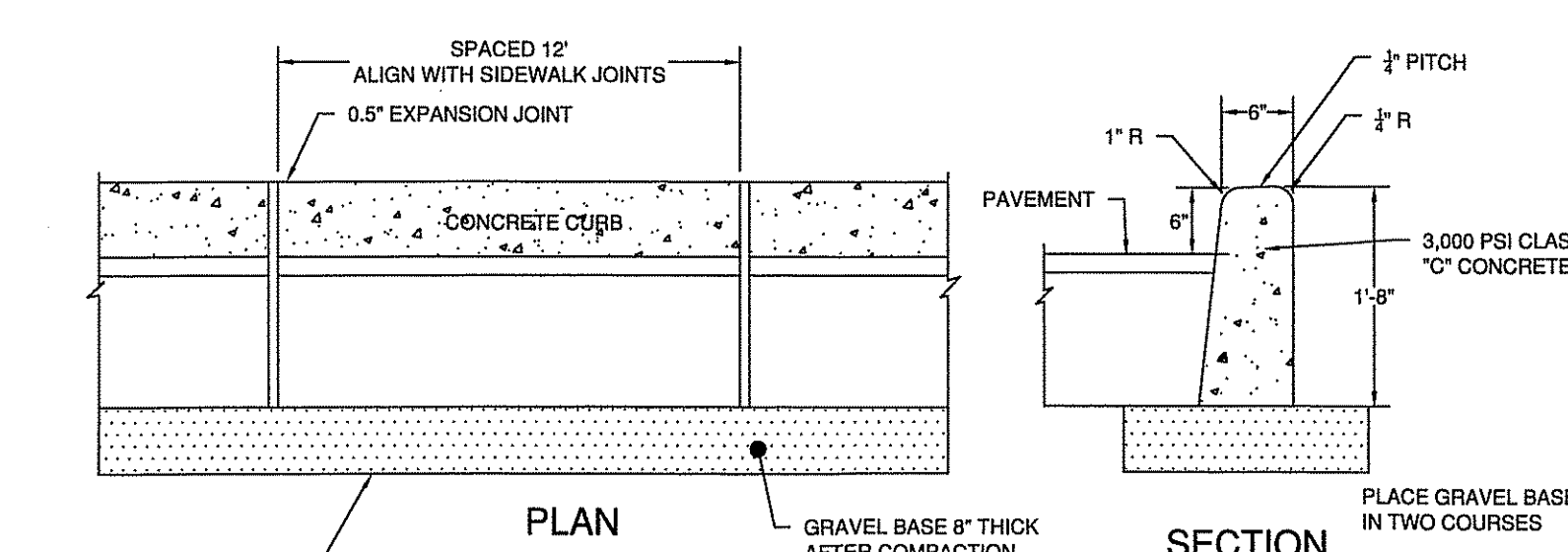
**DRIVEWAY PAVEMENT TYPICAL CROSS SECTION**  
(NTS)



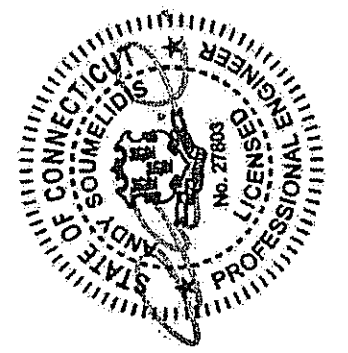
**12" AND 15" (H-20 RATED) NYLOPLAST DRAIN BASIN**  
(NTS)



**REINFORCED CONCRETE RETAINING WALL TYPICAL DETAIL**  
(NTS)



**PRECAST CONCRETE CURB**  
(NTS)



ISSUED FOR	REVISION DATE
ISSUED FOR LAND FILLING PERMIT	
REVISED PER NEW FOOTPRINT	
ISSUE	
9/1/20	2/11/20
REVISION DATE	

Civil & Structural Engineers  
Terence Flewyth  
Permit Coordinator  
Construction Management  
Construction Finance

LANDTECH  
518 Riverside Avenue • Westport, Connecticut 06880 • 203-464-2110 • info@landtechconsult.com

TERENCE FLEWYTH  
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