Standard Detail Drawings

Borough of Naugatuck, Connecticut

ENGINEERING DEPARTMENT

October 2011

BOROUGH OF NAUGATUCK
STANDARD DETAIL DRAWINGS

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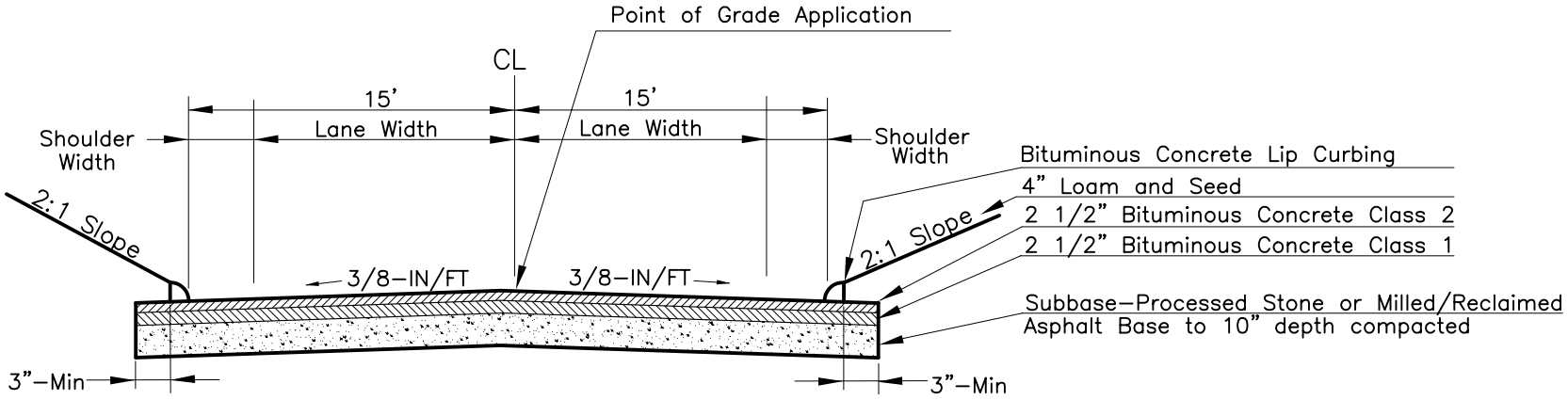


BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

ROAD CROSS SECTION

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

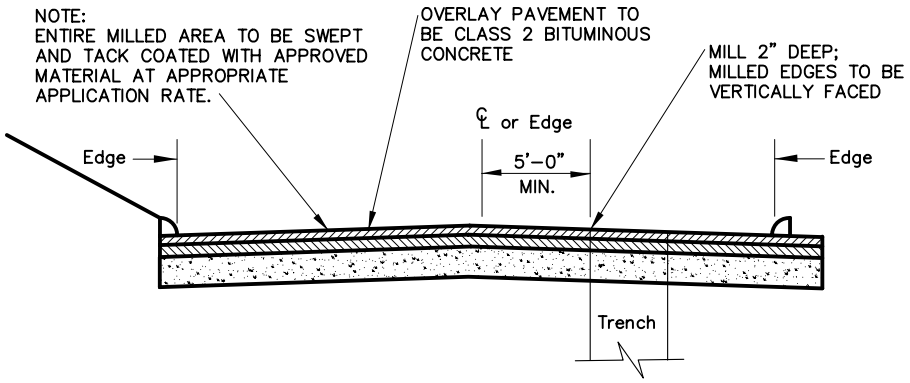
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

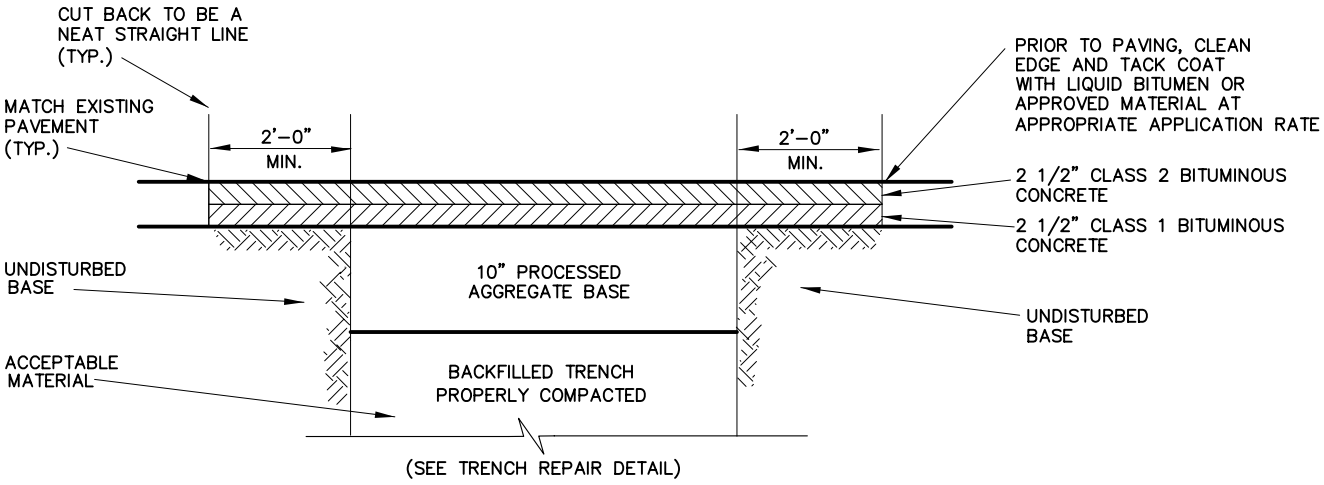
Drawing No.

SD-1

Date:10/2011



ROAD PAVING WITHIN LAST 8 YEARS



ROAD PAVING OVER 8 YEARS OLD

NOTES:
ACCEPTABLE MATERIAL COMPACTED IN LIFTS NOT TO EXCEED 12" WITH 95% COMPACTION FOR EACH LIFT.
24" LIFTS MAY BE APPROVED IF COMPACTED BY HOE-PACK WITH 95% COMPACTION FOR EACH LIFT.
COMPACTION TO MEET 95% MODIFIED PROCTOR DENSITY REQUIREMENTS.
COMPACTION TESTS MAY BE REQUIRED PER INSPECTOR. ALL COSTS FOR COMPACTION TESTS TO BE BORNE BY CONTRACTOR.

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT

PERMANENT PAVEMENT REPAIR IN BOROUGH STREET

BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL

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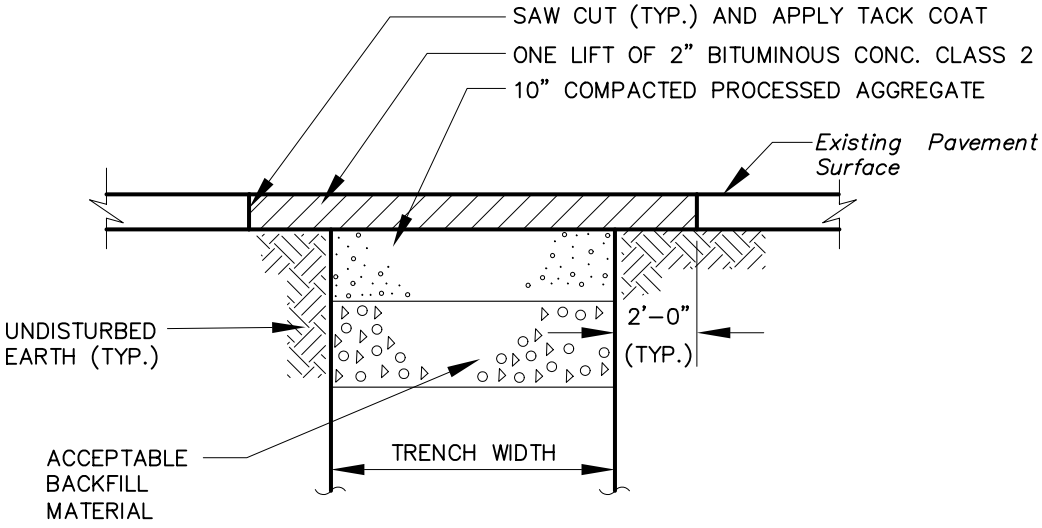
Scale: NTS

Drawing No.

SD-2

Date:10/2011



TEMPORARY PAVEMENT REPAIR IN BOROUGH STREET

BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL

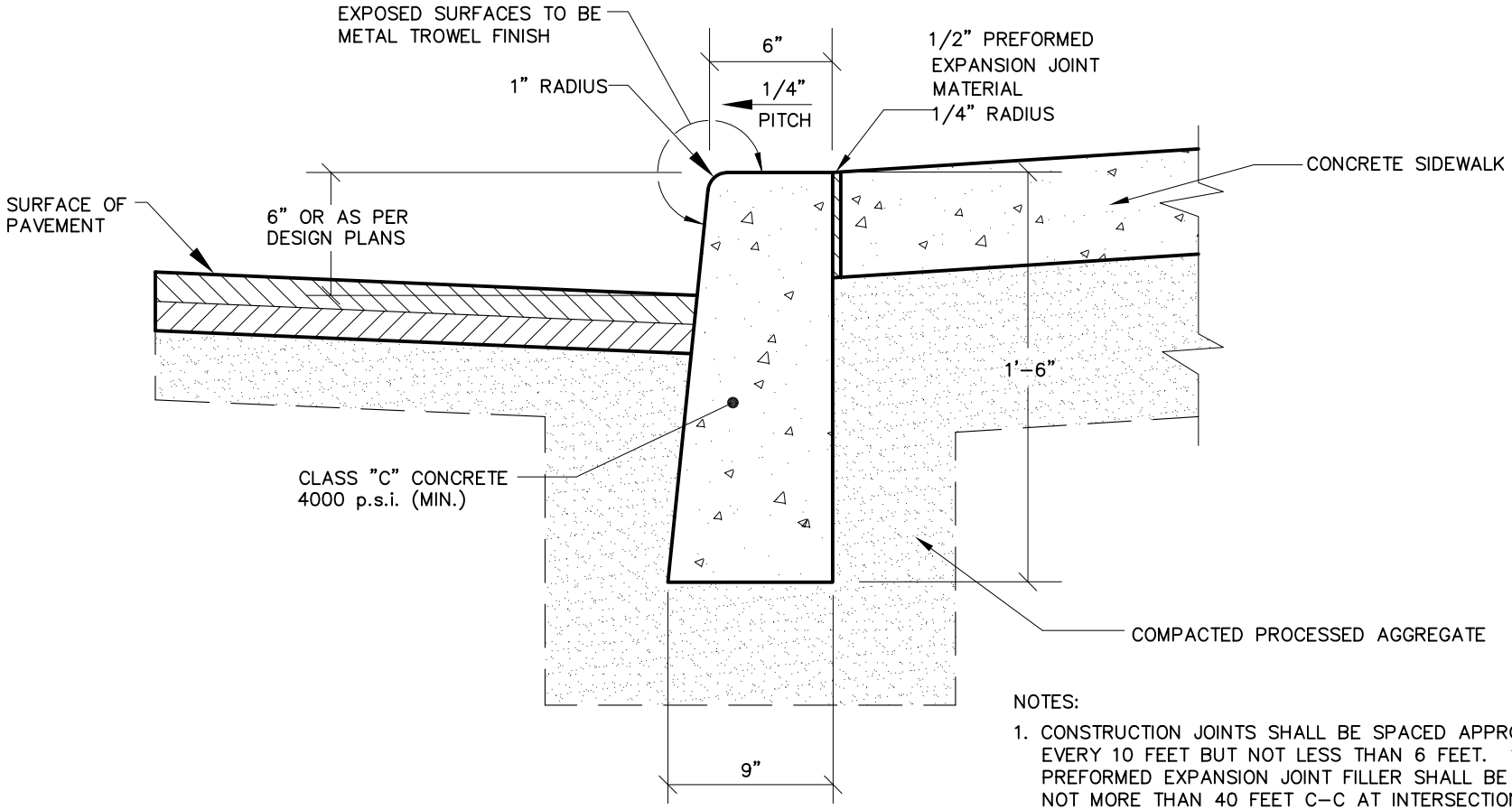
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-3

Date:10/2011



NOTES:

1. CONSTRUCTION JOINTS SHALL BE SPACED APPROXIMATELY EVERY 10 FEET BUT NOT LESS THAN 6 FEET. 1/2" THICK PREFORMED EXPANSION JOINT FILLER SHALL BE INSTALLED NOT MORE THAN 40 FEET C-C AT INTERSECTION OF CONCRETE SIDEWALK AND CURB AND AT SIDEWALK-BUILDING INTERFACE.

2. FORMWORK SHALL REMAIN IN PLACE FOR 24 HOURS FOLLOWING CONCRETE POURING.

CAST-IN-PLACE CONCRETE CURB

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STANDARD DETAIL

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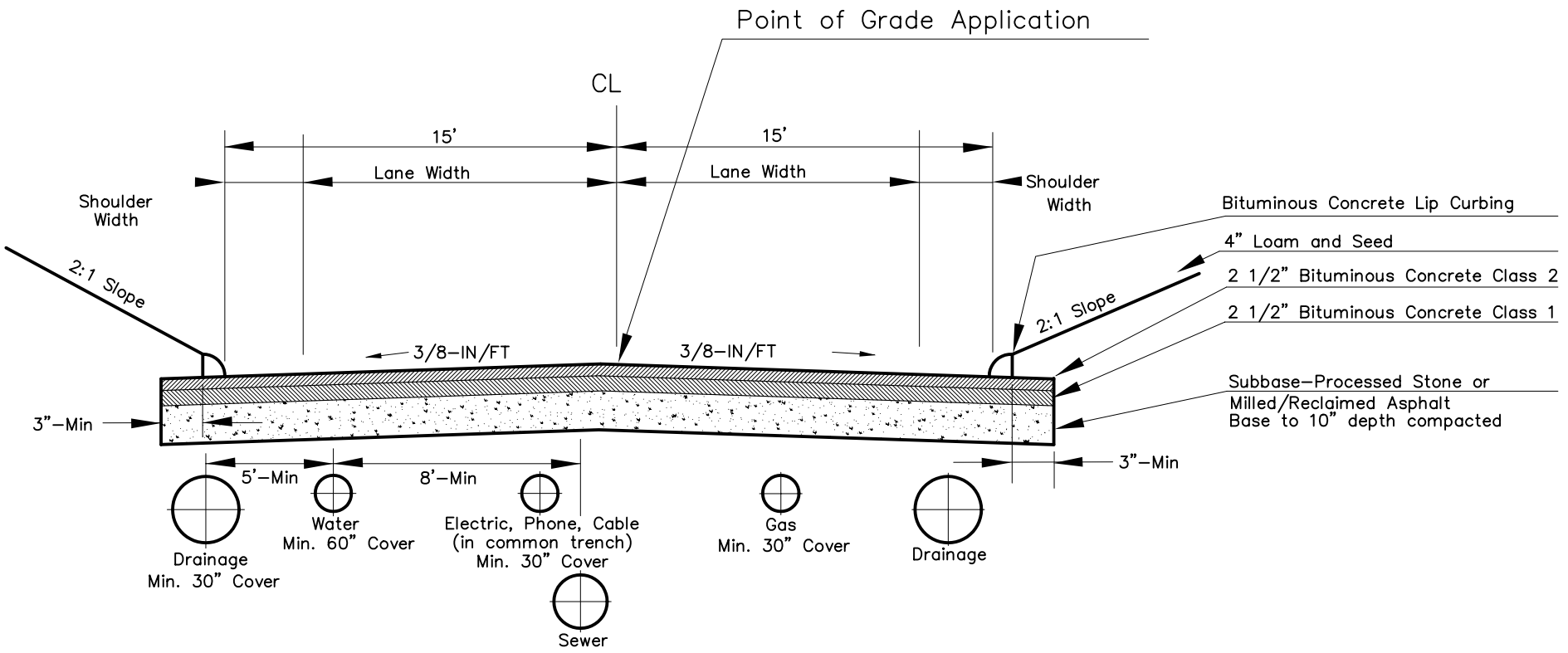
Scale: NTS

Drawing No.

SD-4

Date:10/2011



DEPTHS AND LOCATION DIMENSIONS

BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

TYPICAL UTILITY PLACEMENT IN BOROUGH STREET

BOROUGH OF NAUGATUCK
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STANDARD DETAIL

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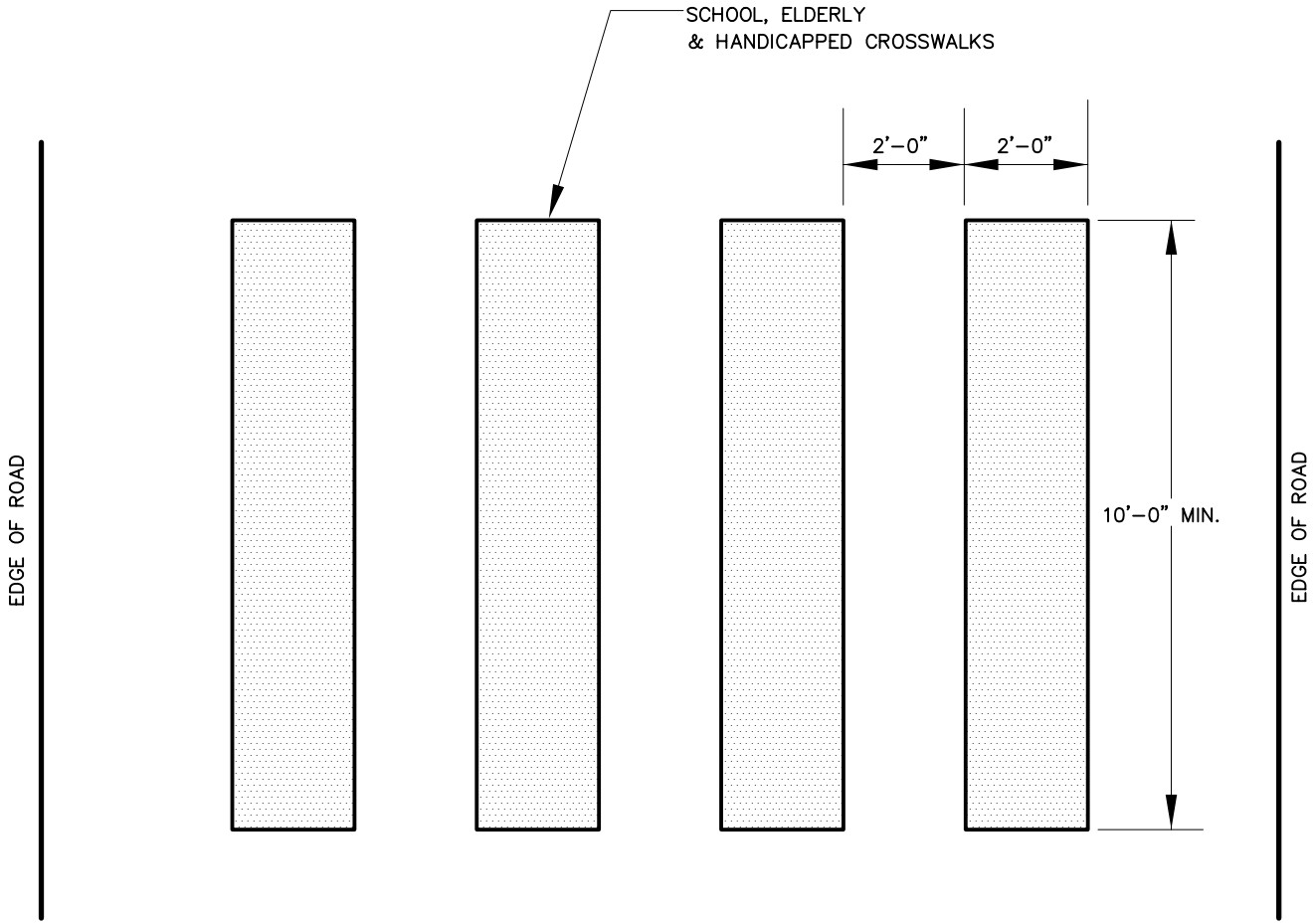
Scale: NTS

Drawing No.

SD-5

Date:10/2011



CROSS WALK

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

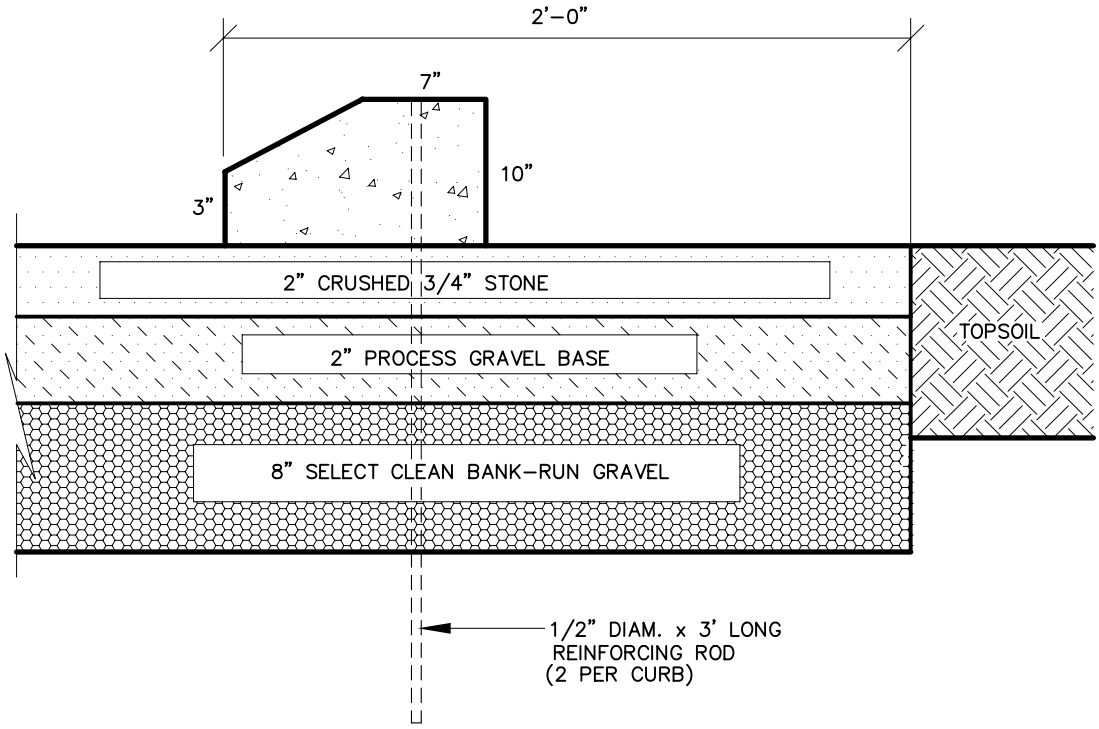
229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

Scale: NTS

Drawing No.

SD–6

Date:10/2011



BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

GRAVEL PARKING AREA WITH REINFORCED CONCRETE WHEEL STOP

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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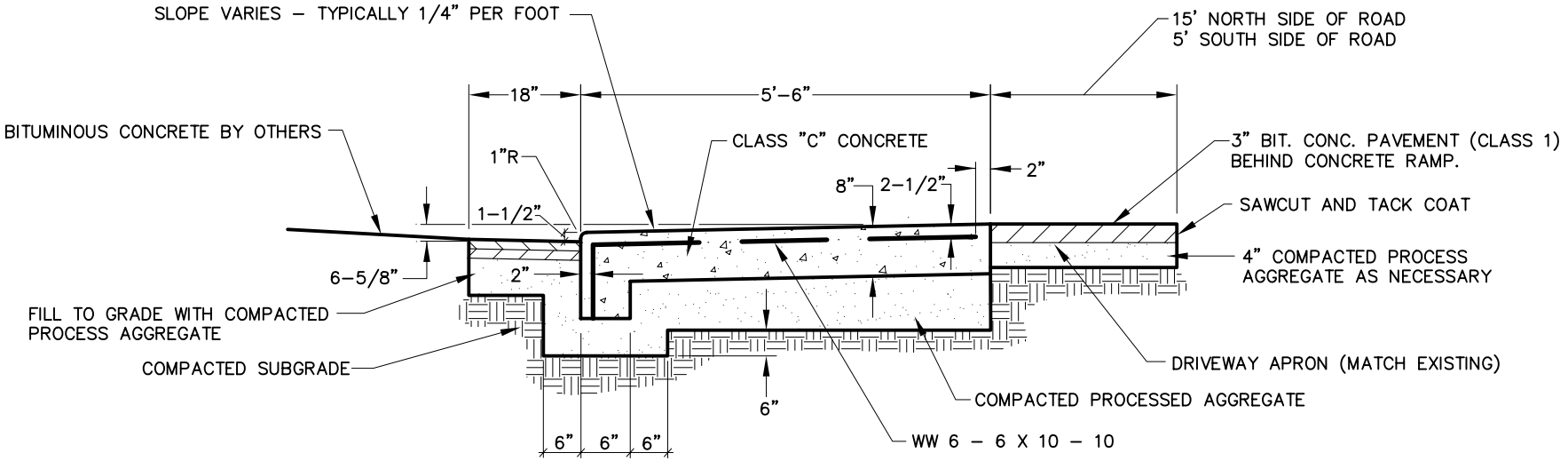
Scale: NTS

Drawing No.

SD–15

Date:10/2011



NOTE:
DEPRESS CONCRETE SIDEWALK ACROSS DRIVEWAY WHEN NECESSARY TO MATCH EXISTING DRIVEWAY. SLOPE SIDEWALK APPROACHES DOWN TO MEET DRIVEWAY FROM A DISTANCE OF 5 FEET.

AT–GRADE DRIVEWAY RAMP/SIDEWALK

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ENGINEERING DEPARTMENT
STANDARD DETAIL

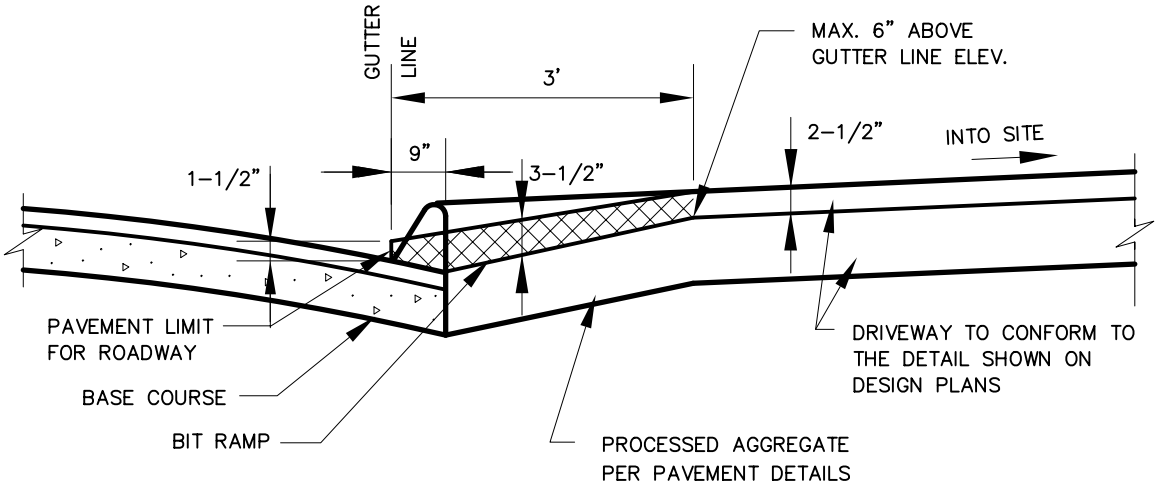
229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

Scale: NTS

Drawing No.

SD–22

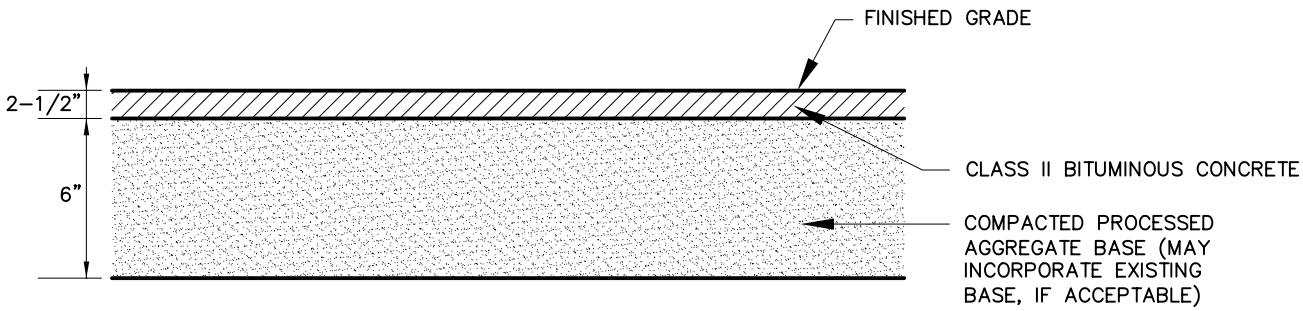
Date:10/2011



NOTE:

1. COMPACTION TO BE COMPLETED IN 4" LIFTS
2. DEPTHS SHOWN ARE AFTER COMPACTION

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	BITUMINOUS CONCRETE DRIVEWAY APRON	Scale: NTS
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	Drawing No. SD-24
	229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov	Date:10/2011



BITUMINOUS CONCRETE WALK

Scale: NTS

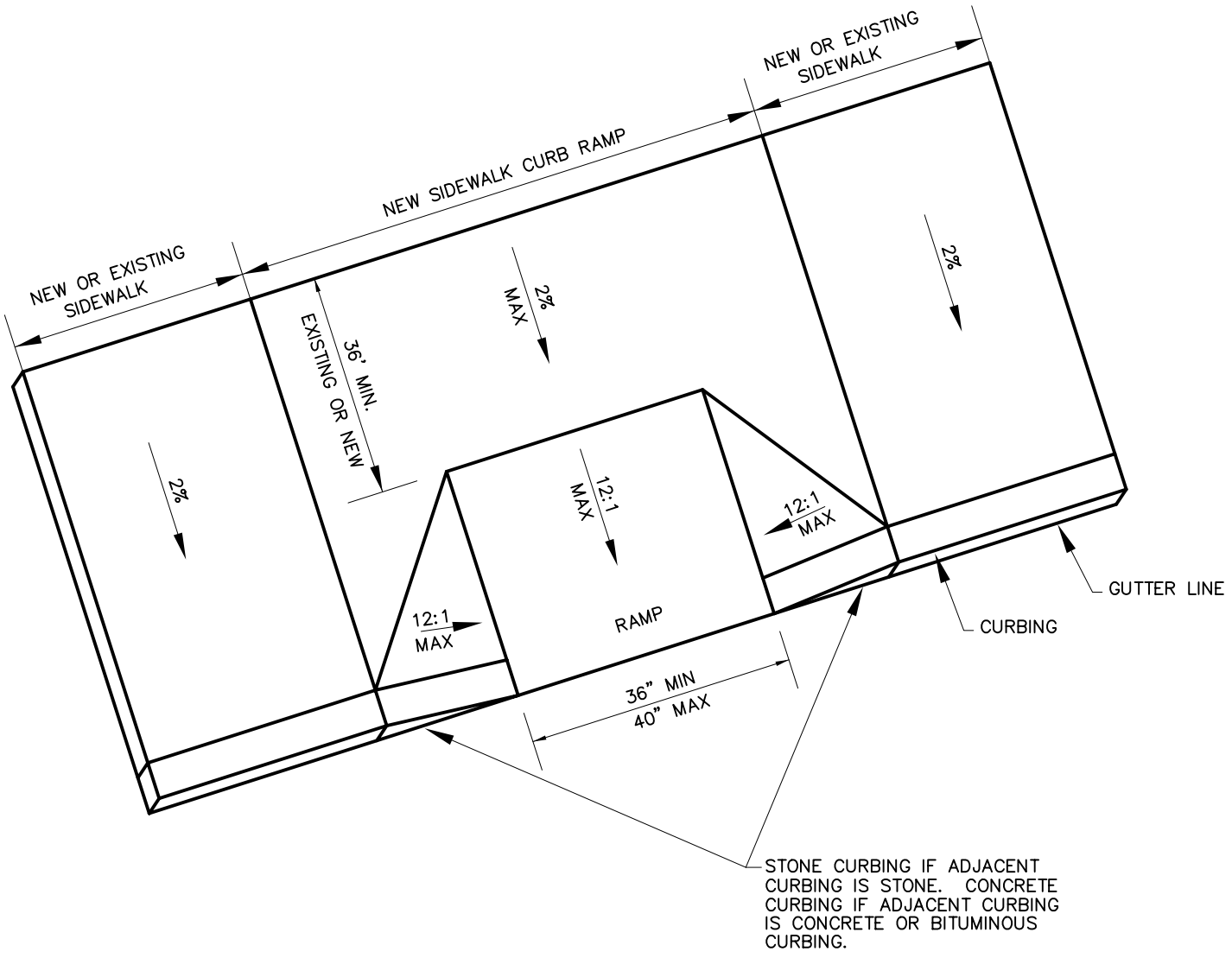
Drawing No.

SD–25

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

Date:10/2011



BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

SIDEWALK CURB RAMP

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

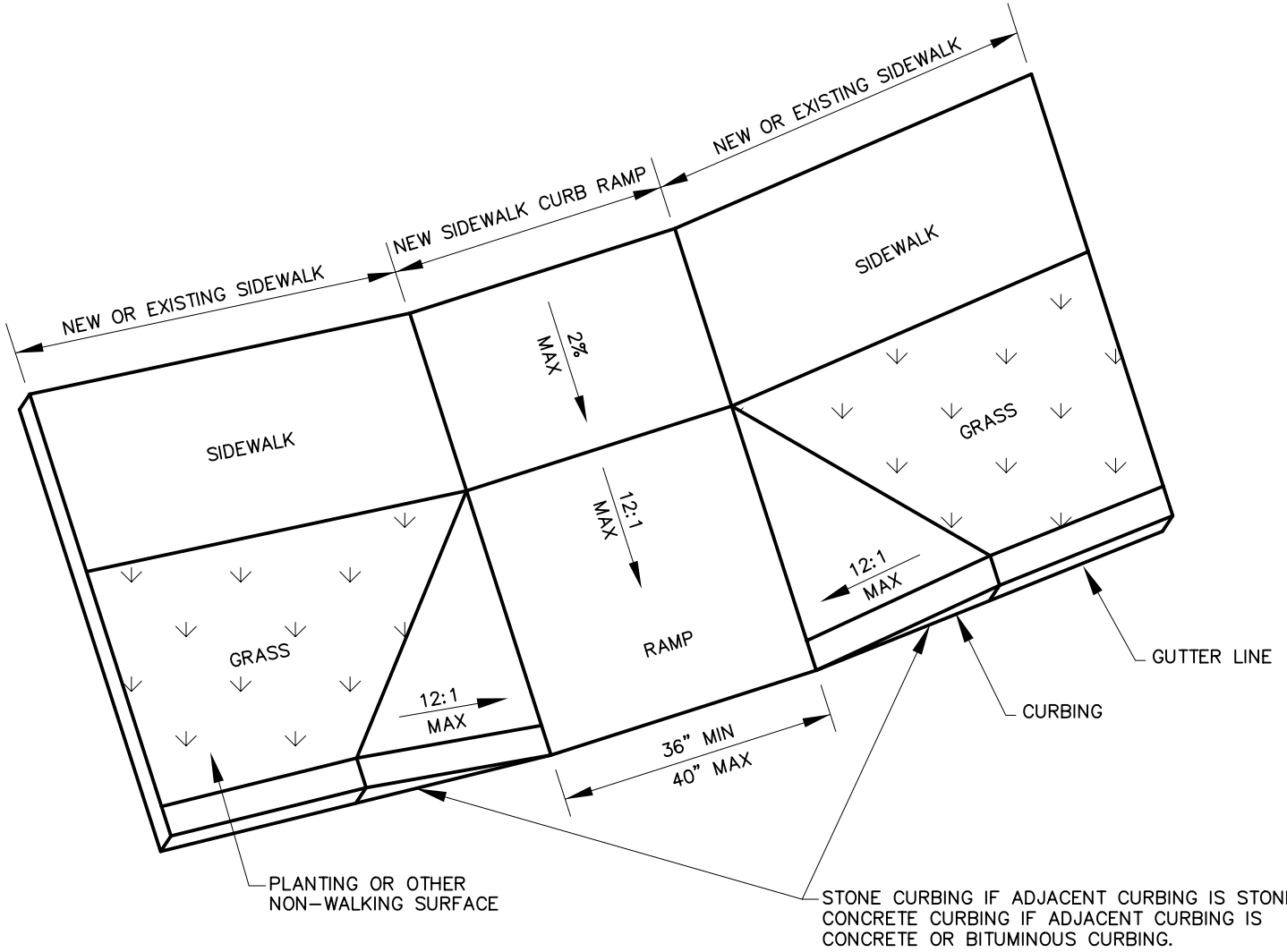
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-33

Date:10/2011



BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

SIDEWALK CURB RAMP CURVED SECTION

BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL

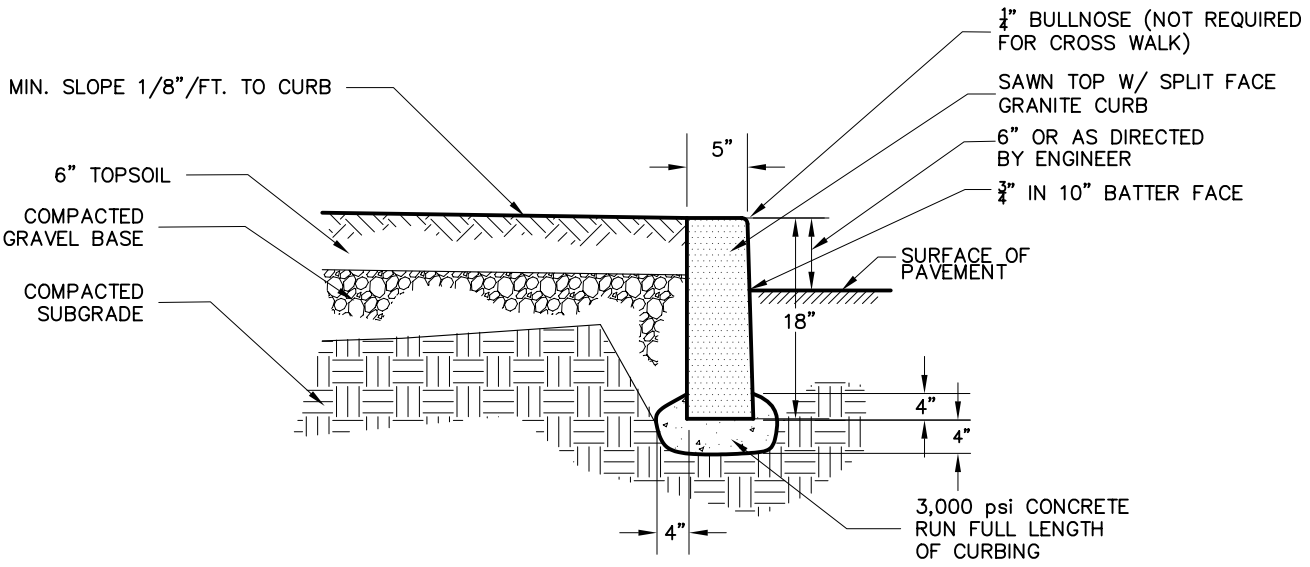
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-34

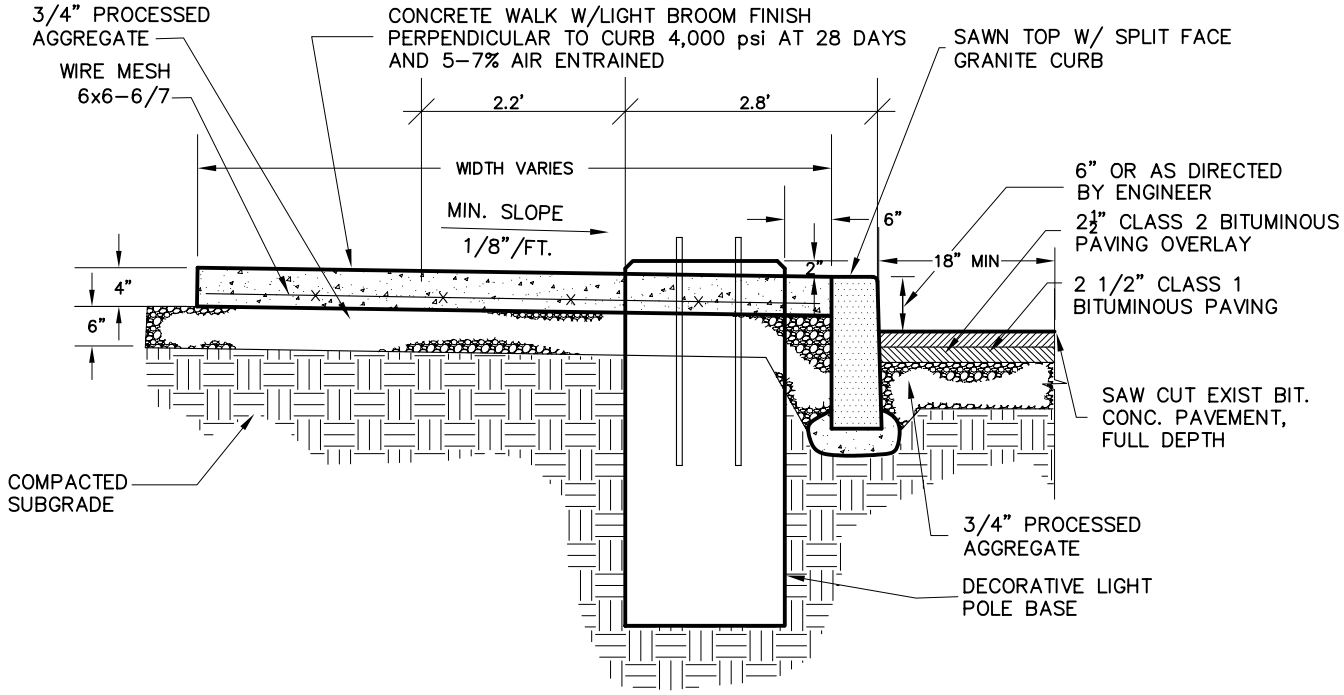
Date:10/2011



THE CURBING SHALL HAVE A SMOOTH, QUARRY–SPLIT FRONT FACE, NO EXPOSED DRILL HOLES, NO PROJECTIONS GREATER THEN ¾" OR DEPRESSIONS GREATER THEN ½".

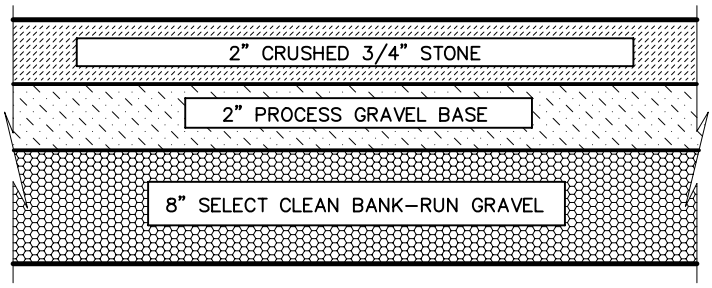
CURVED SECTIONS SHALL BE PROVIDED FOR RADIUS OF 50' OR LESS.

GRANITE CURB



SIDEWALK/GRANITE CURB WITH LIGHT POLE BASE

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	SIDEWALK/GRANITE CURB	Scale: NTS
		Drawing No. SD–36
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	
	229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov	Date:10/2011



GRAVEL PARKING AREA

Scale: NTS

Drawing No.

SD-37

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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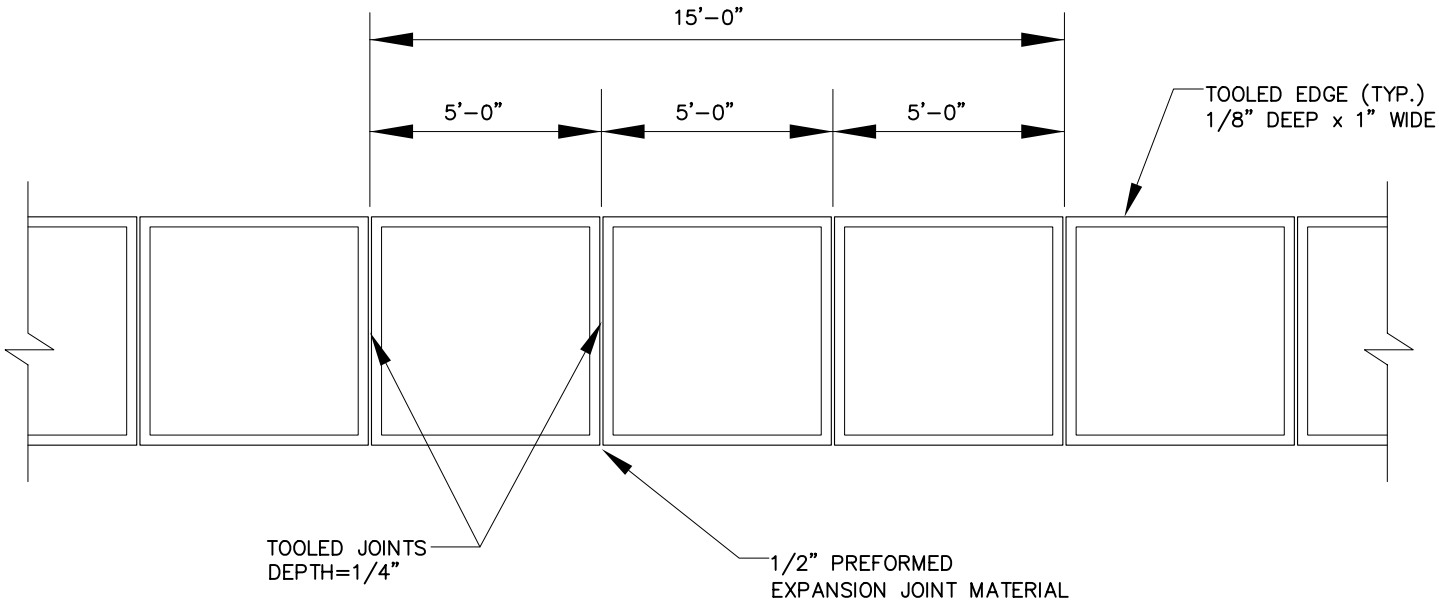
Date:10/2011



SIDEWALK JOINTS

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

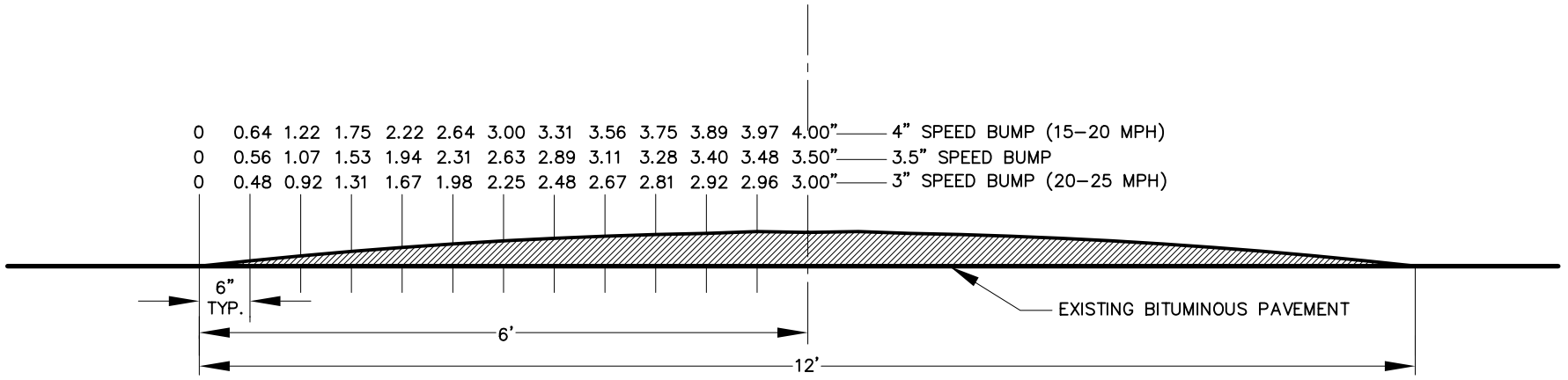
229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

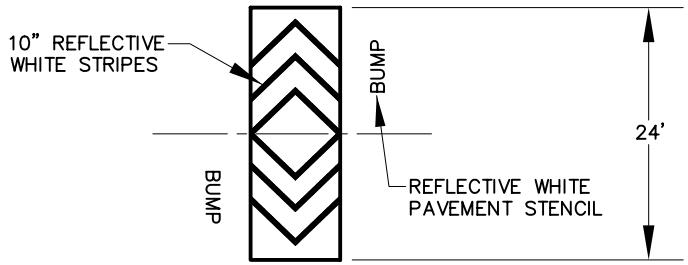
Scale: NTS

Drawing No.

SD–39

Date:10/2011





SPEED BUMP

BOROUGH OF NAUGATUCK
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STANDARD DETAIL

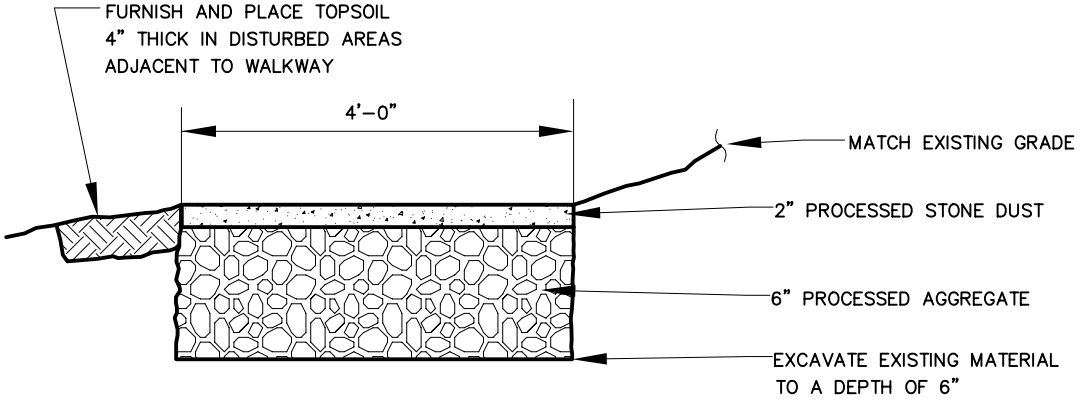
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-40

Date:10/2011



PROCESSED AGGREGATE AND STONE DUST SHALL
BE COMPACTED TO 98% MAXIMUM DENSITY

STONE DUST WALKWAY

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

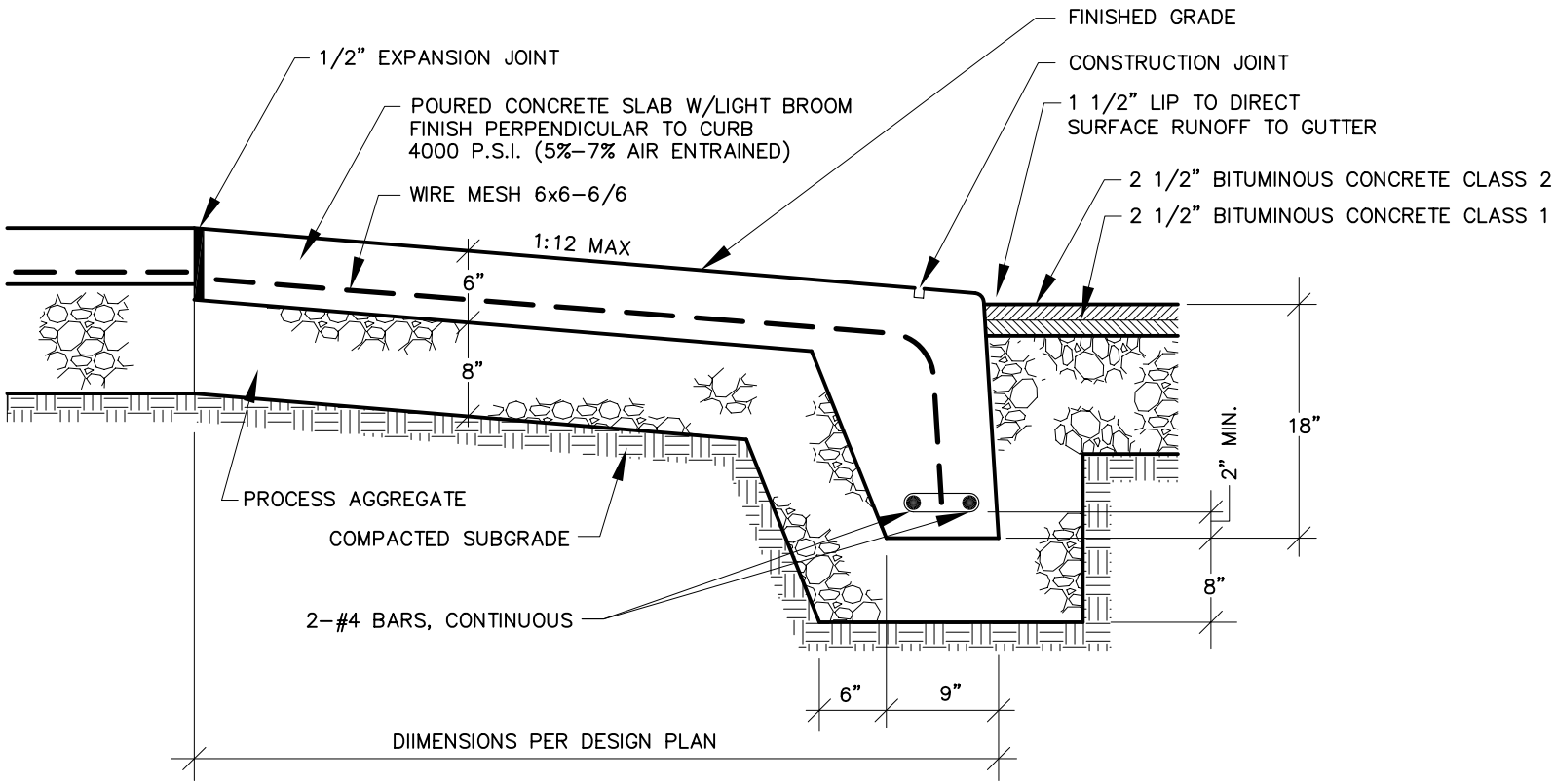
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-45

Date:10/2011



NOTE:
ALL CAST CONCRETE STRUCTURES TO BE CURED IN ACCORDANCE WITH STANDARD CURING PRACTICE.

BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

CONCRETE RAMP INTEGRAL WITH DRIVEWAY

BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL

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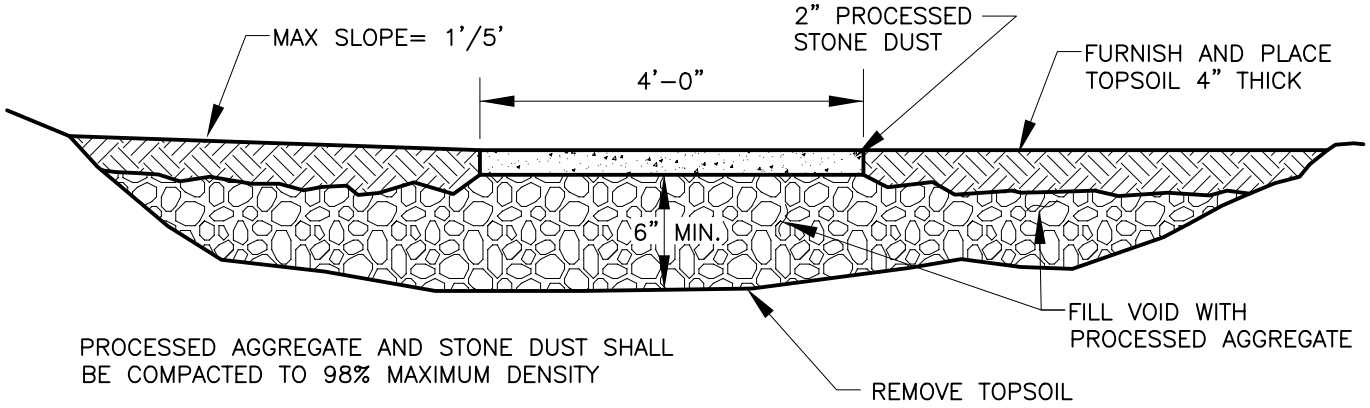
Scale: NTS

Drawing No.

SD–46

Date:10/2011



STONE DUST WALKWAY IN FILL AREAS

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

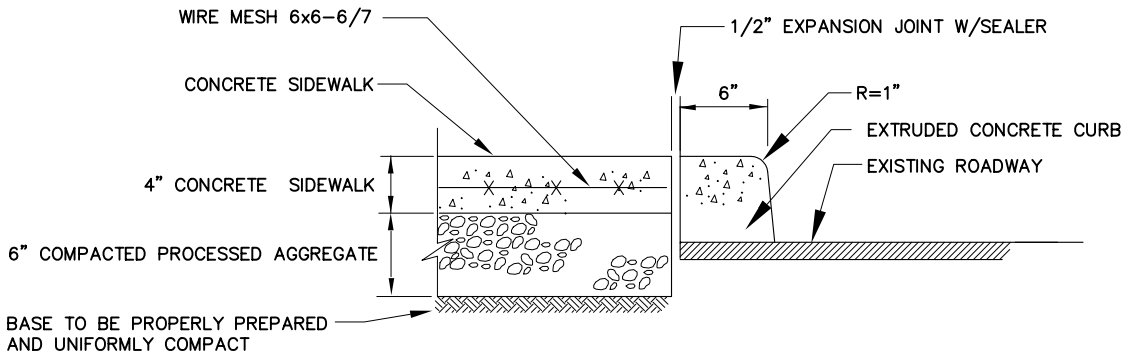
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

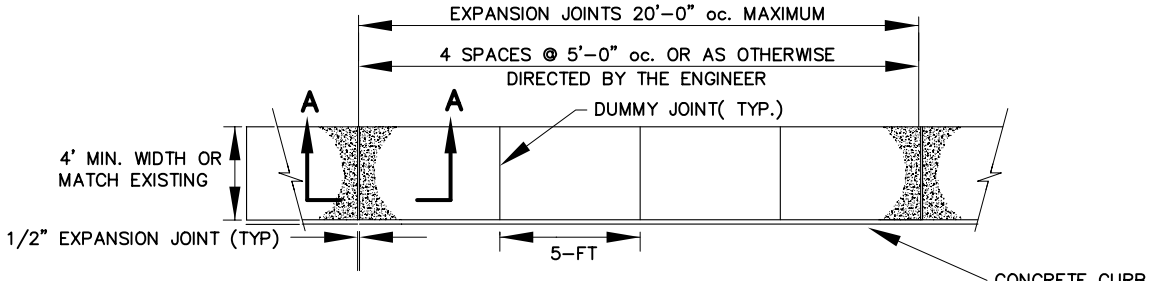
Drawing No.

SD-47

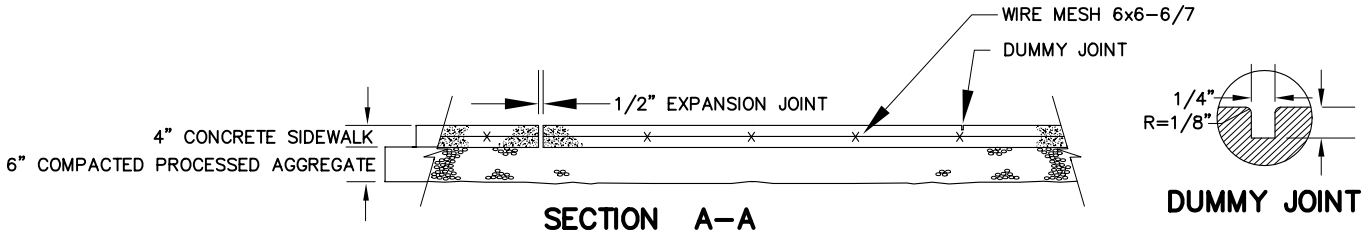
Date:10/2011



EXTRUDED CONCRETE CURB AND WALK DETAIL

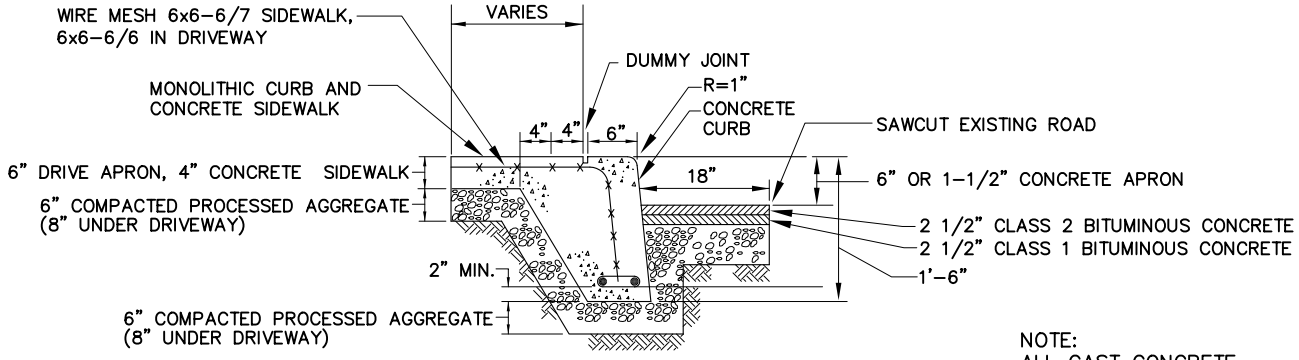


PLAN VIEW



SECTION A-A

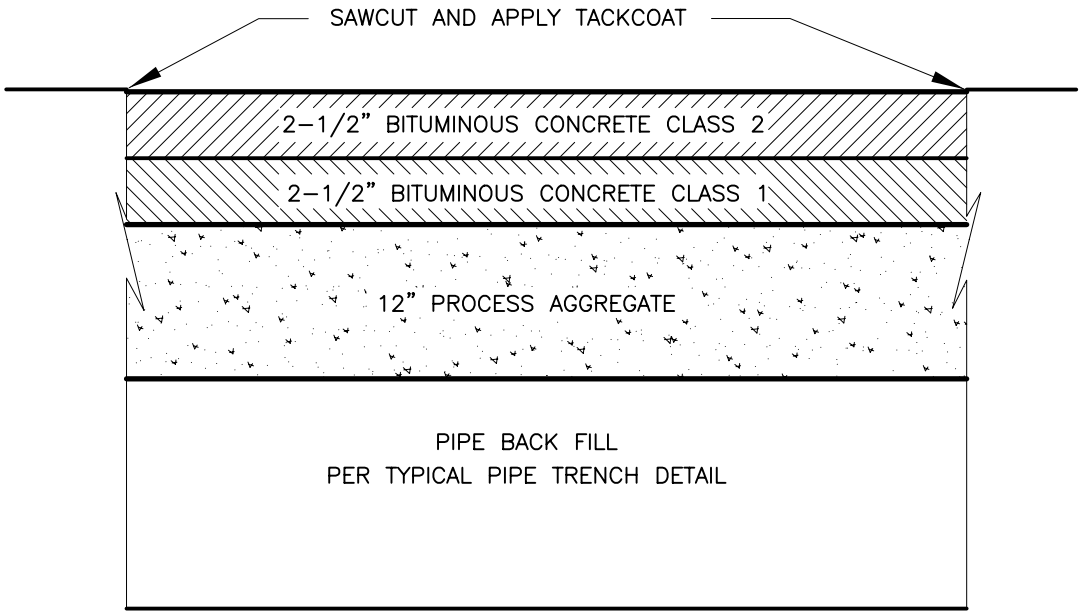
DUMMY JOINT



MONOLITHIC CURB AND SIDEWALK DETAIL

NOTE:
ALL CAST CONCRETE STRUCTURES TO BE CURED IN ACCORDANCE WITH STANDARD CURING PRACTICE.

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	COMBINED CONCRETE SIDEWALK DETAILS	Scale: NTS
		Drawing No. SD-48
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL 229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov	Date:10/2011



TRENCH REPAIR – BOROUGH STREETS

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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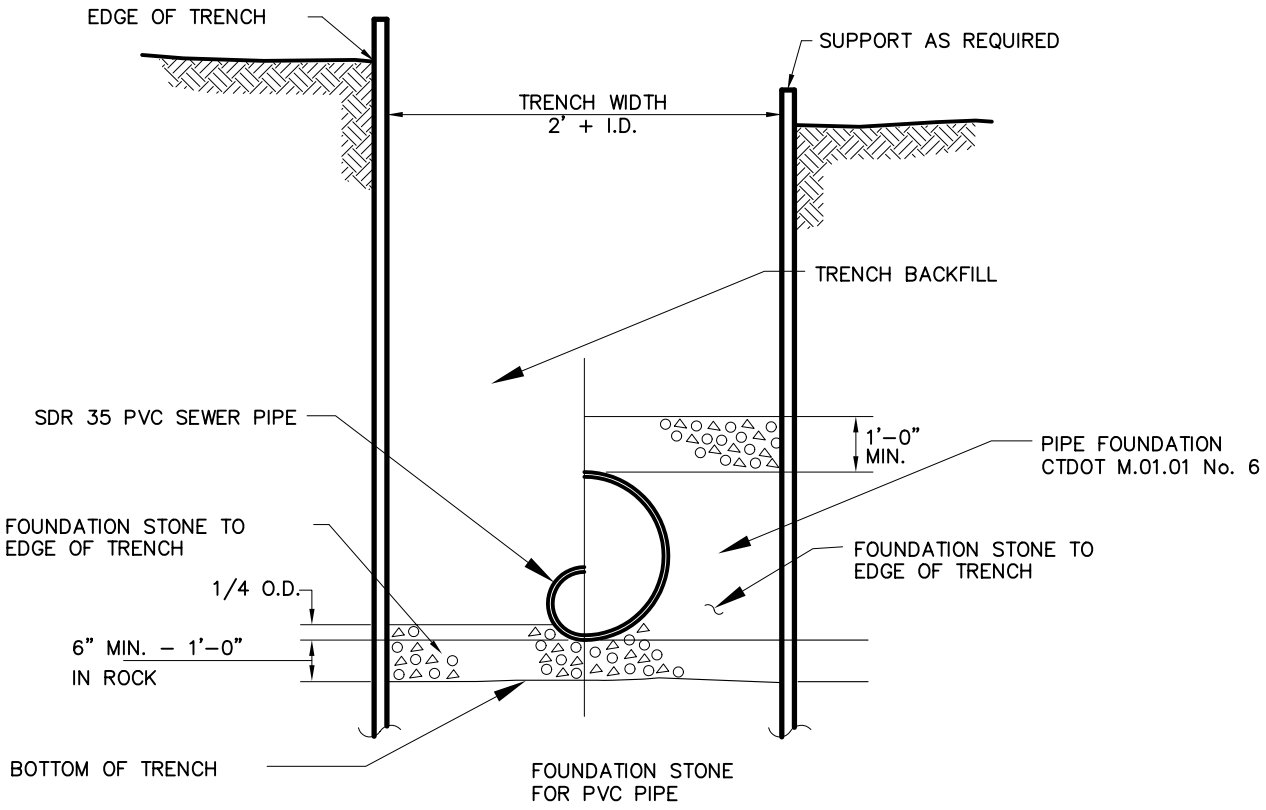
Scale: NTS

Drawing No.

SD–51

Date:10/2011



SANITARY SEWER TRENCH SECTION

Scale: NTS

Drawing No.

SD-7

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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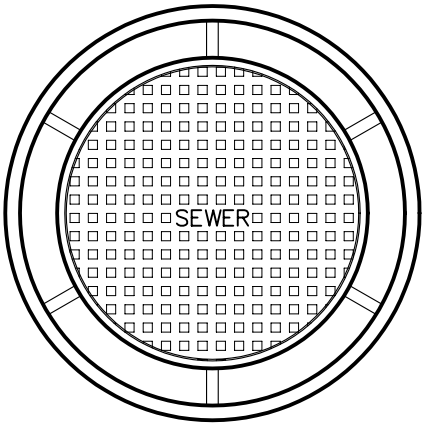
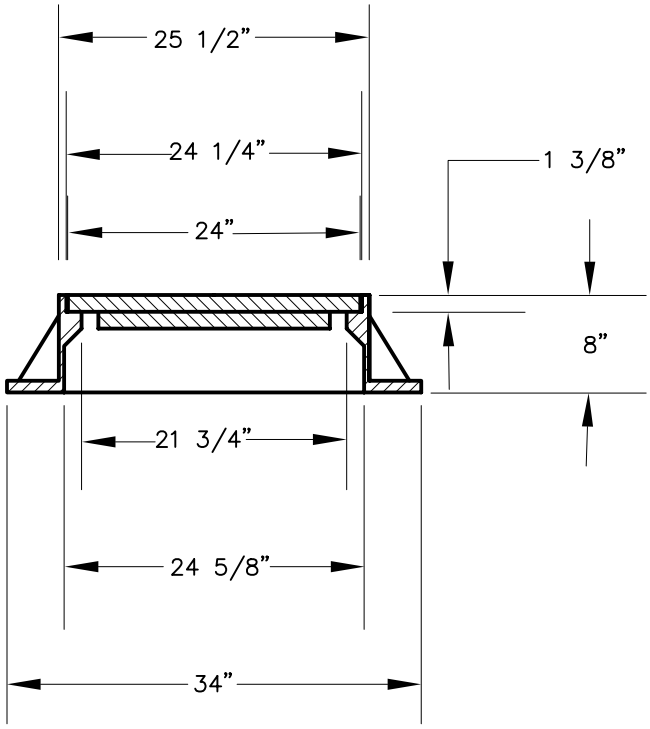
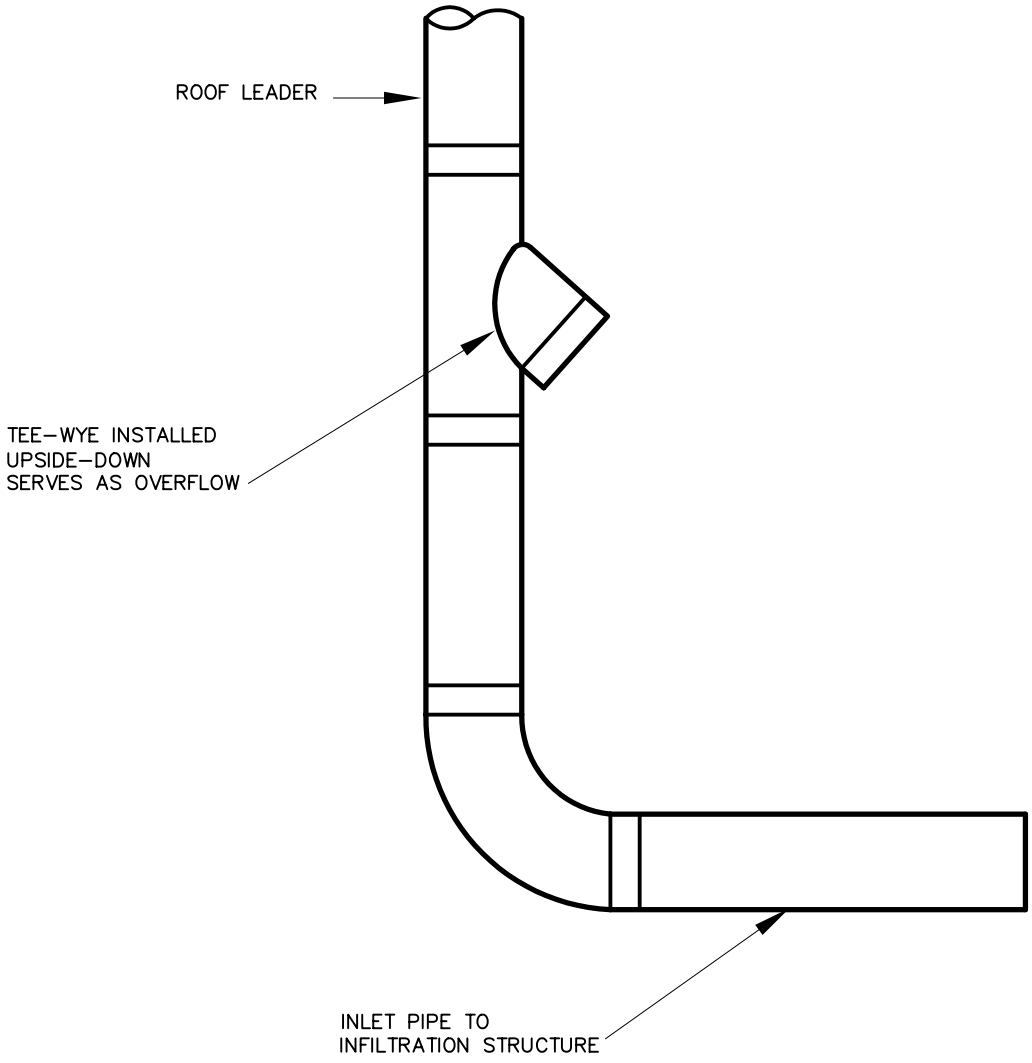
Date:10/2011





CAMPBELL CONSTRUCTION CASTINGS
PATTERN NO. 1007D
HEAVY DUTY MANHOLE FRAME AND COVER

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	HEAVY DUTY MANHOLE FRAME AND COVER	Scale: NTS
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	Drawing No. SD–8
	229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov	Date:10/2011



ROOF LEADER CONNECTION

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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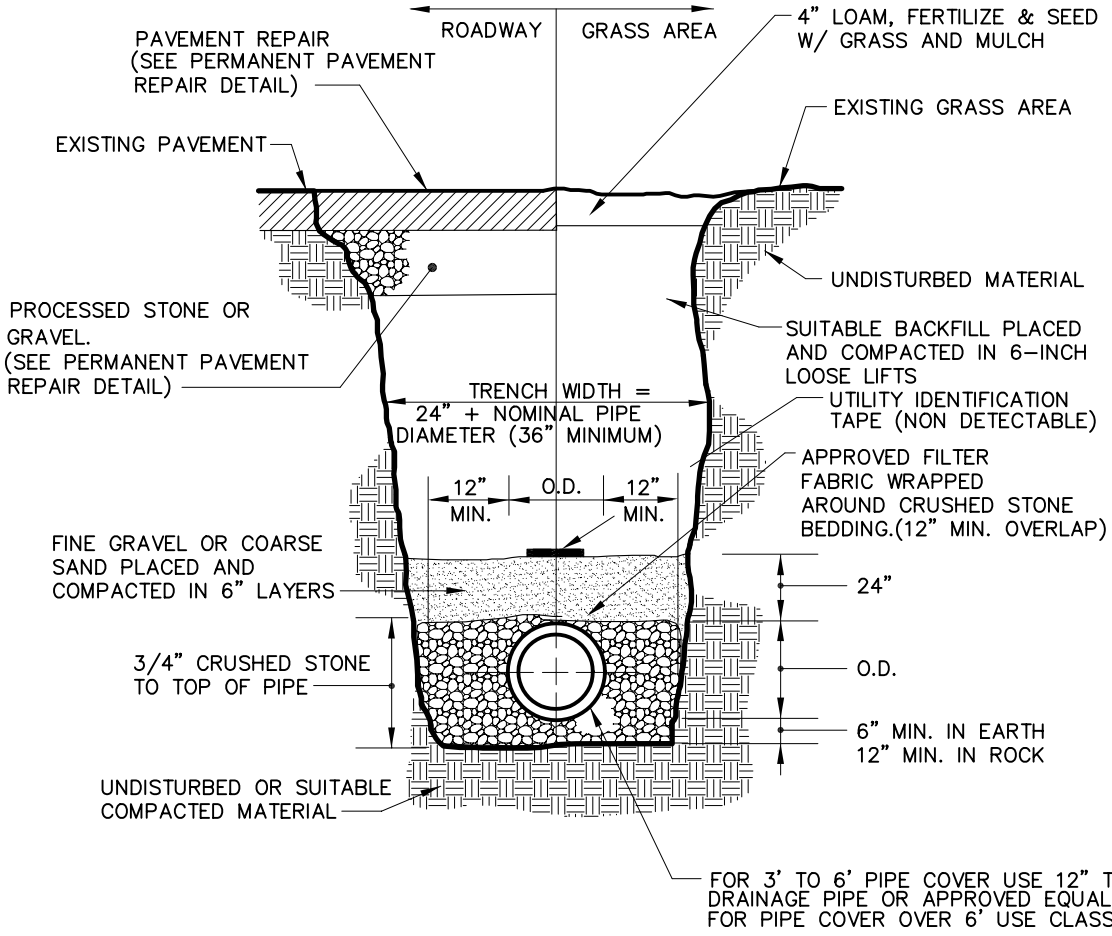
Scale: NTS

Drawing No.

SD–10

Date:10/2011



NOTES:

1) ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF SEWER AND DRAINAGE PIPES AND OTHER GRAVITY FLOW APPLICATIONS.

2) ALL TRENCH WORK TO BE SUPPORTED AS REQUIRED.

BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

TYPICAL PIPE TRENCH

Scale: NTS

Drawing No.

SD-11

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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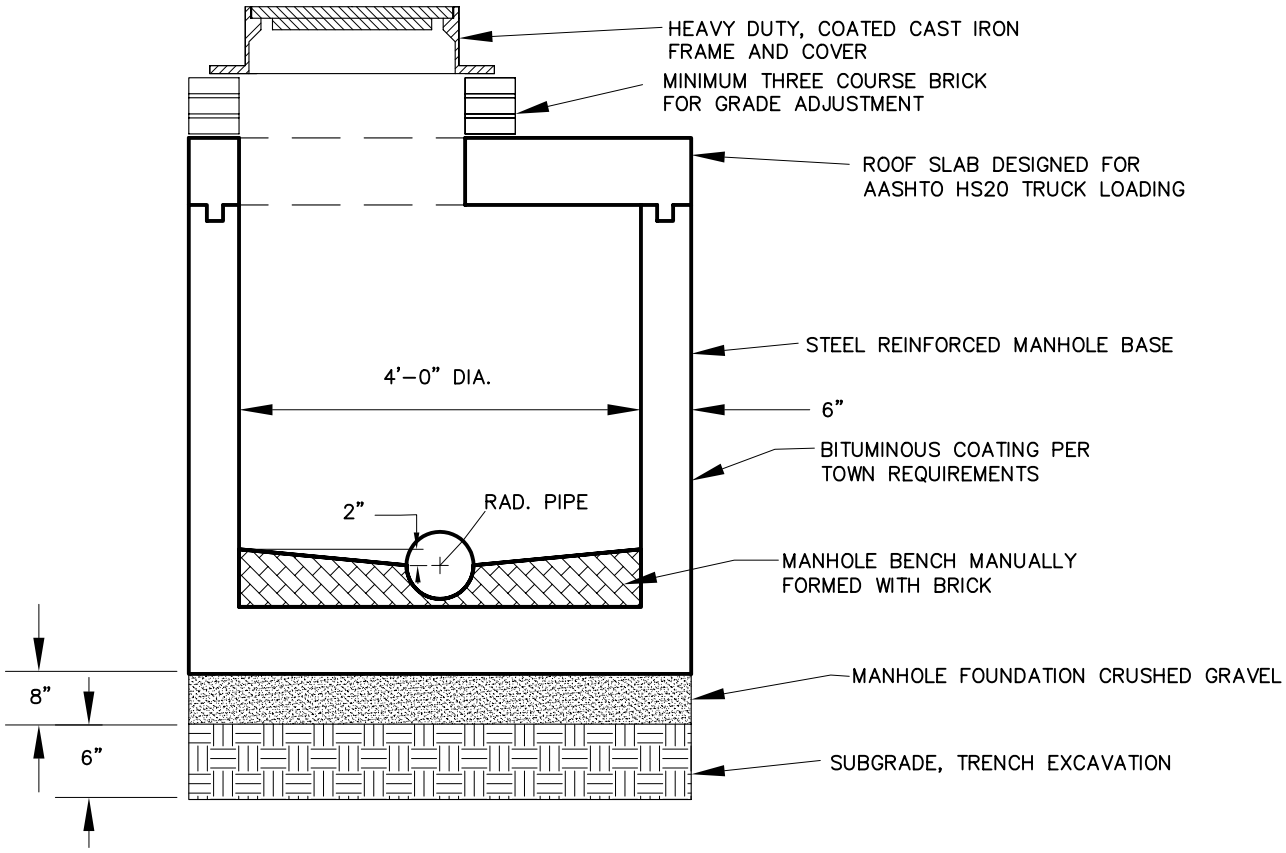
Date:10/2011



SHALLOW MANHOLE

Scale: NTS

Drawing No.

SD–12

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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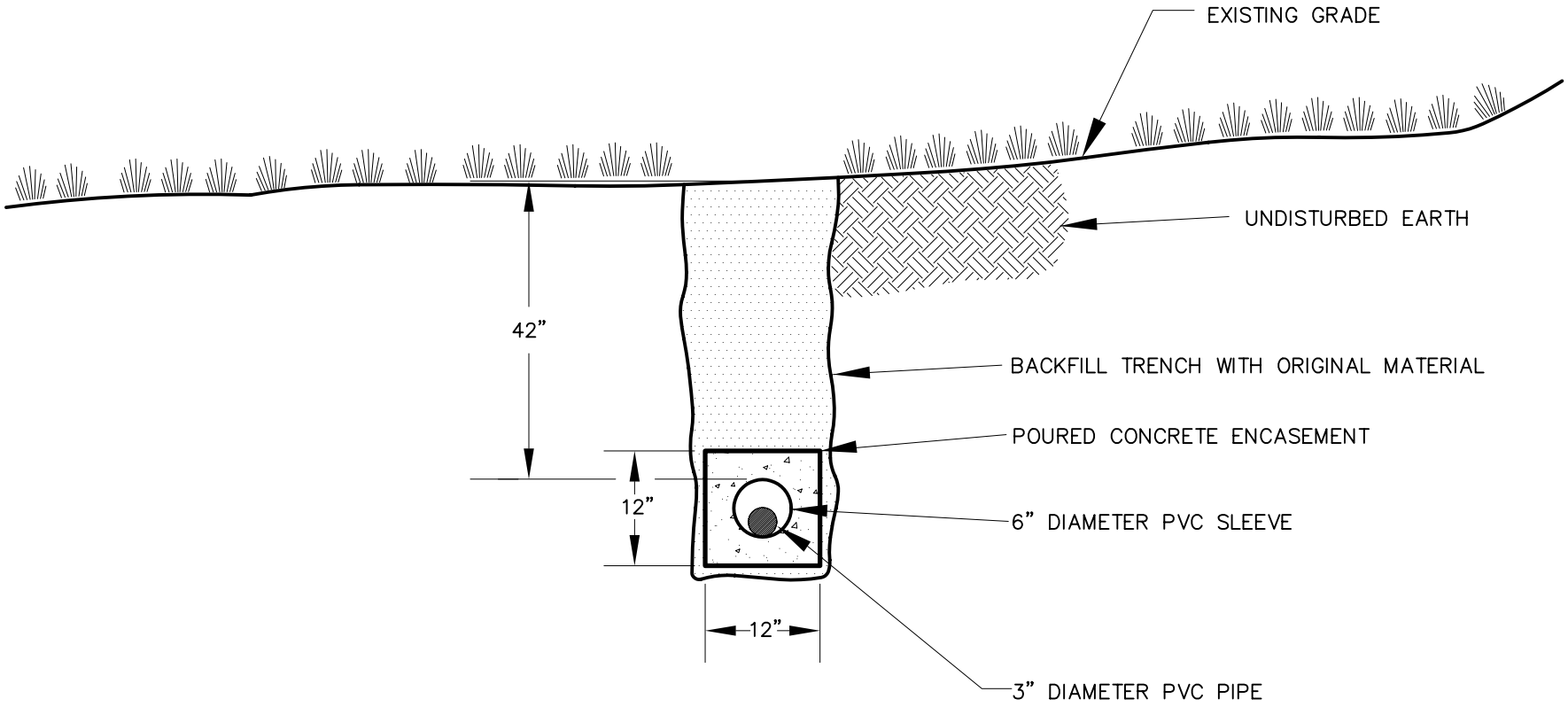
Date:10/2011



SEWER LINE CROSSING SECTION

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

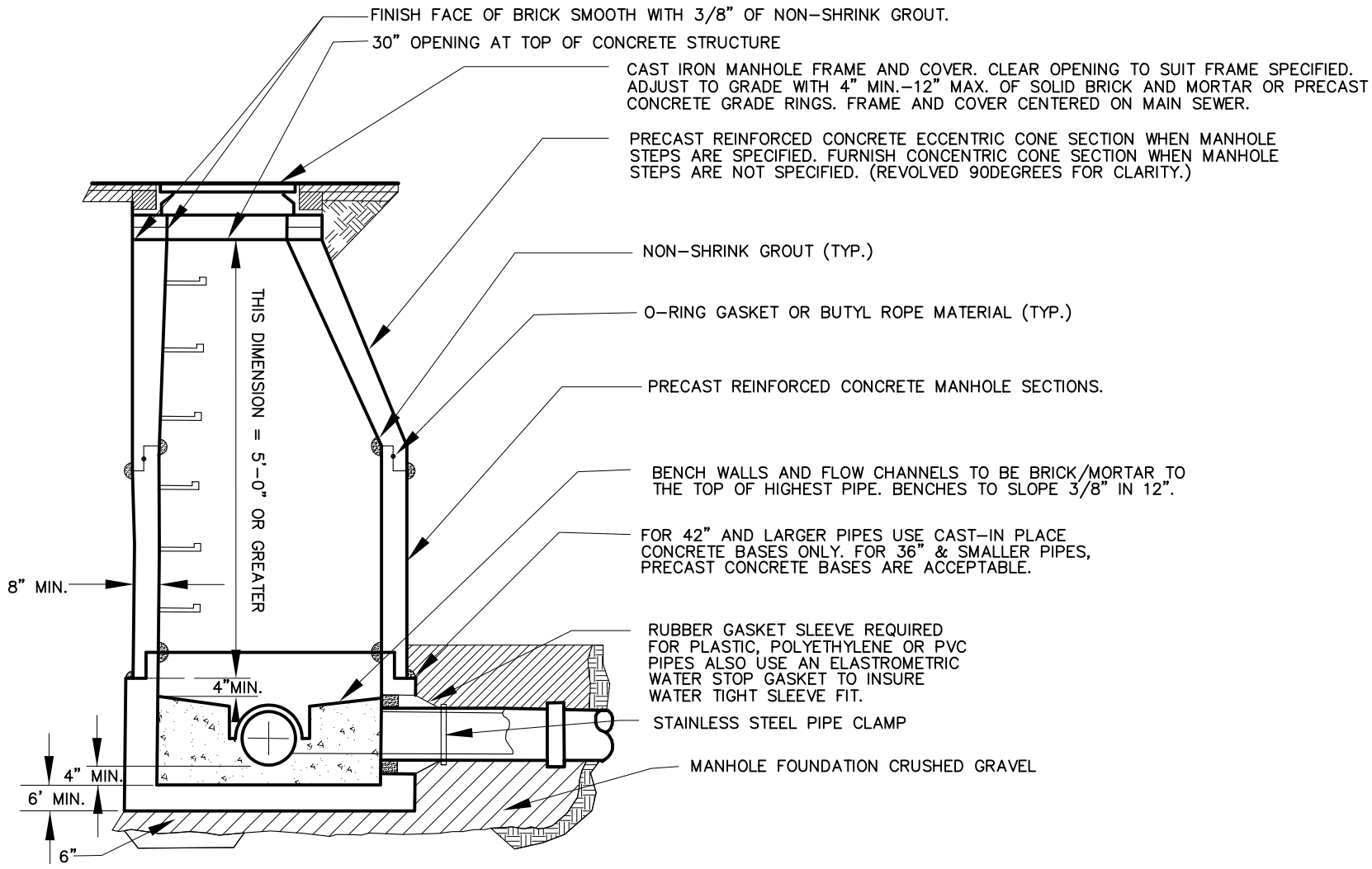
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-13

Date:10/2011



SEWER MANHOLE

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

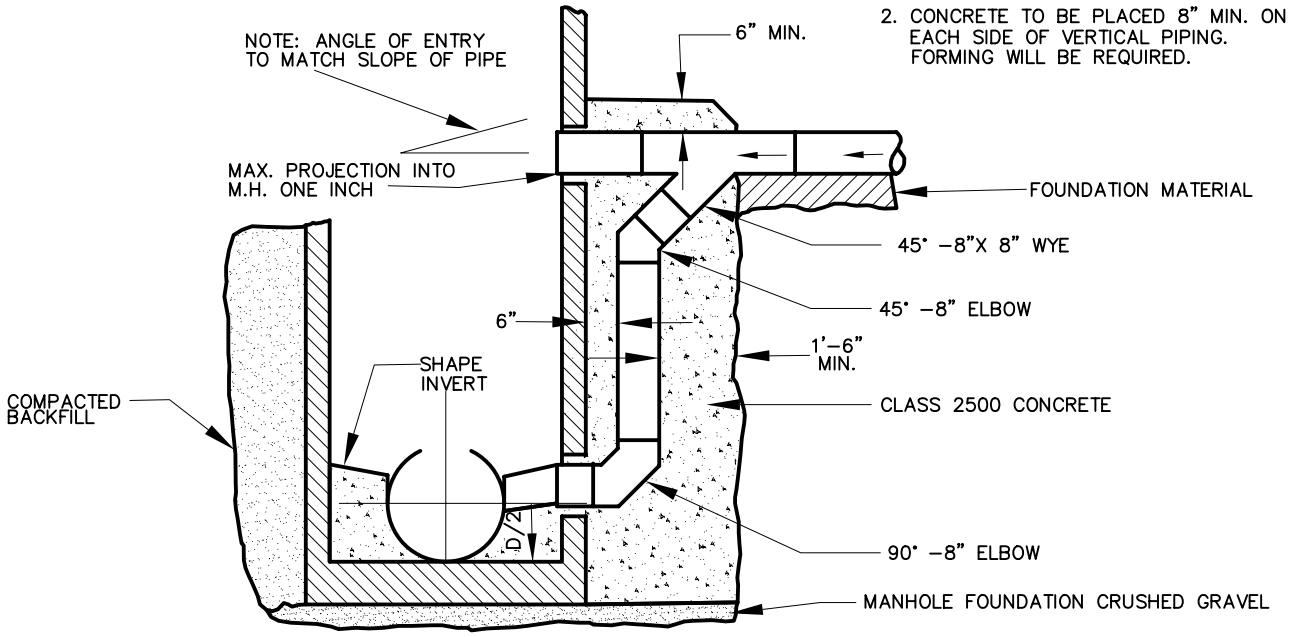
Scale: NTS

Drawing No.

SD-14

Date:10/2011

NOTES: 1. NO FILL TO BE PLACED ON TOP OF DEEP DROP CONNECTION UNTIL CONCRETE HAS SET.
2. CONCRETE TO BE PLACED 8" MIN. ON EACH SIDE OF VERTICAL PIPING. FORMING WILL BE REQUIRED.



DEEP DROP MANHOLE CONNECTION (OUTSIDE DROP)

Scale: NTS

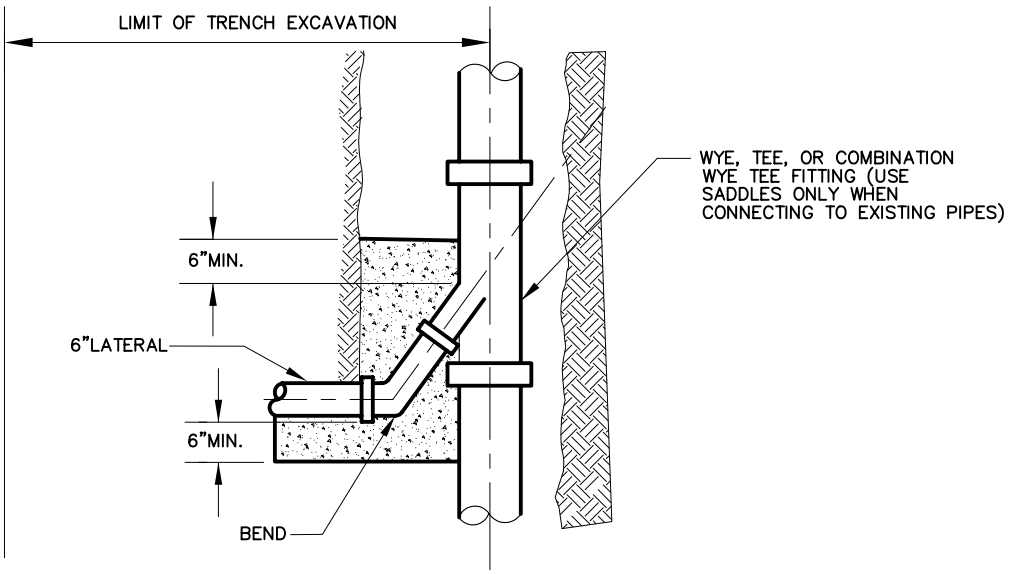
Drawing No.

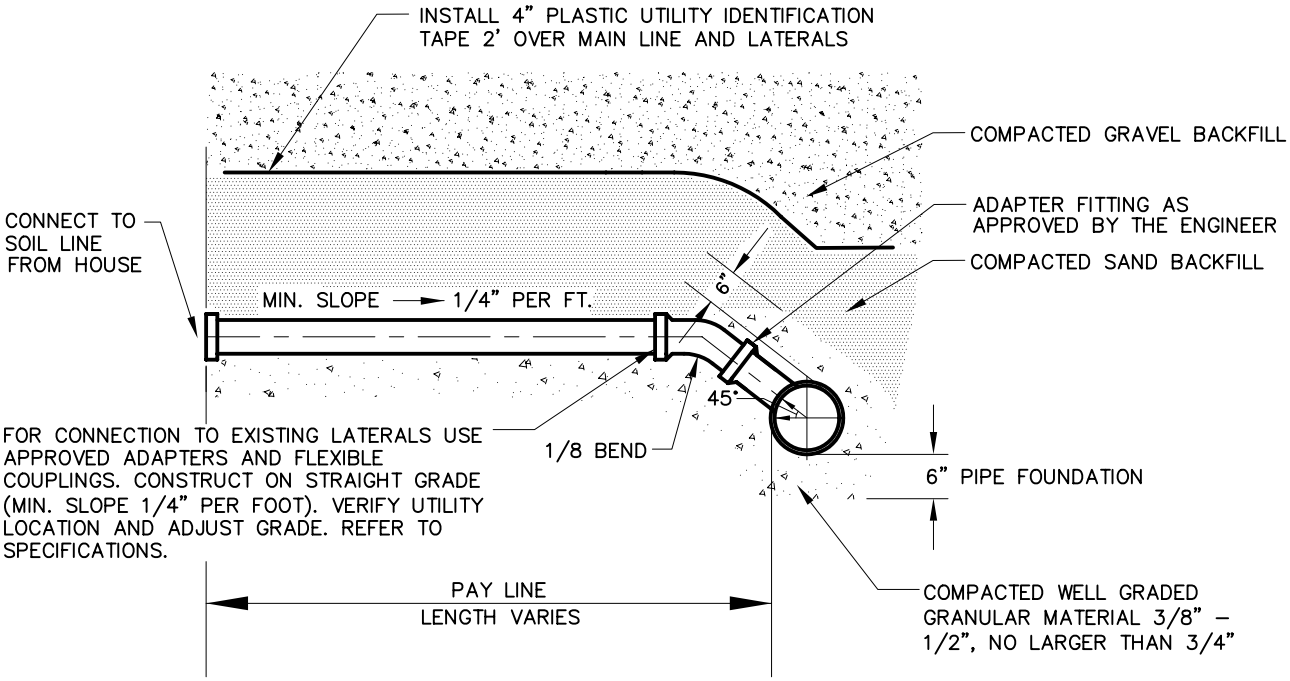
SD-16

BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Date:10/2011





NOTES:

1.) THE END OF THE COMPLETED LATERAL SHALL BE LEFT EXPOSED UNTIL THE ENGINEER HAS TIME TO LOCATE THE LATERAL FOR AN AS–BUILT.
2.) FOR LATERAL CONNECTIONS TO EXISTING PIPE WHERE NO TEE IS PROVIDED, USE INJECTION MOLDED RUBBER GASKETED TEE SADDLE.

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT

SANITARY SEWER LATERAL CONNECTION

Scale: NTS

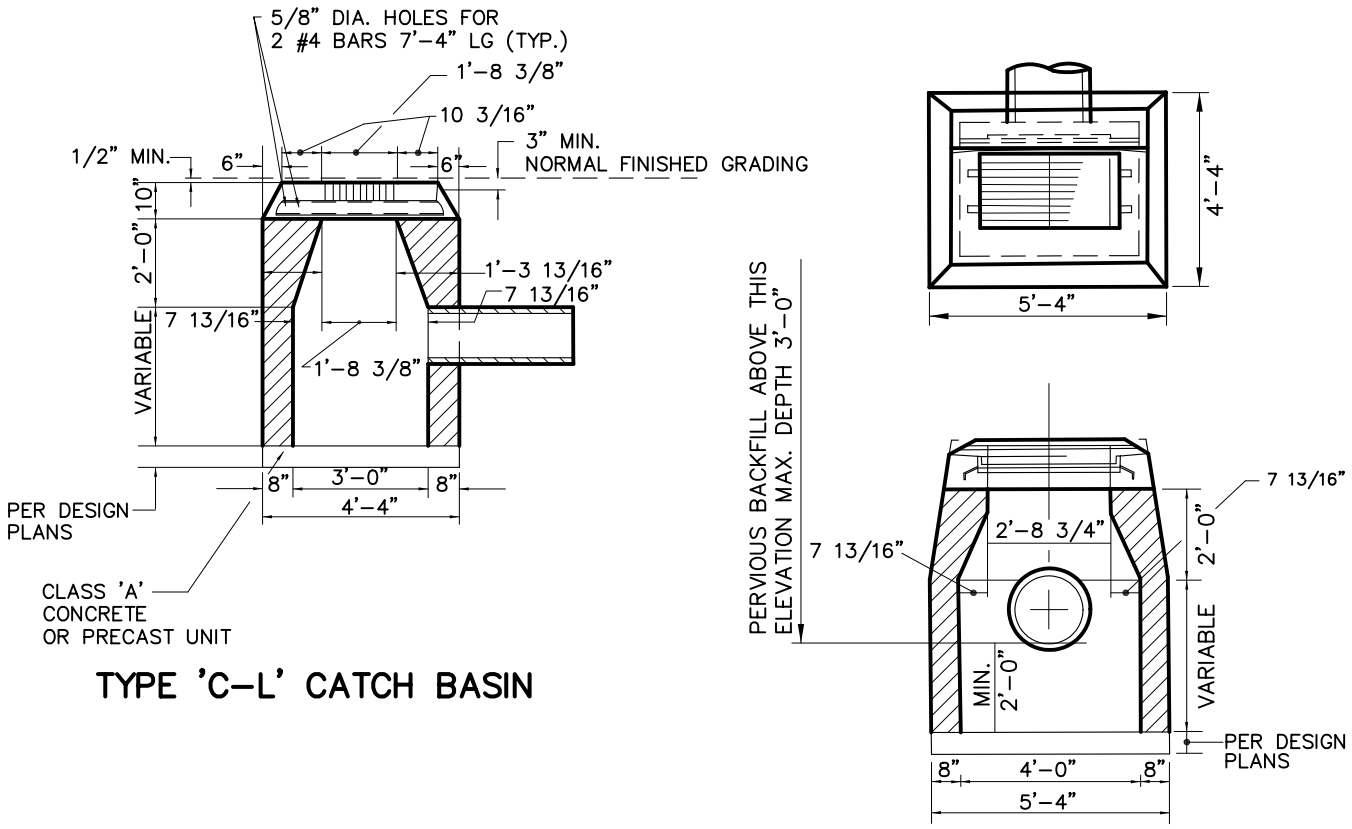
Drawing No.

SD–17

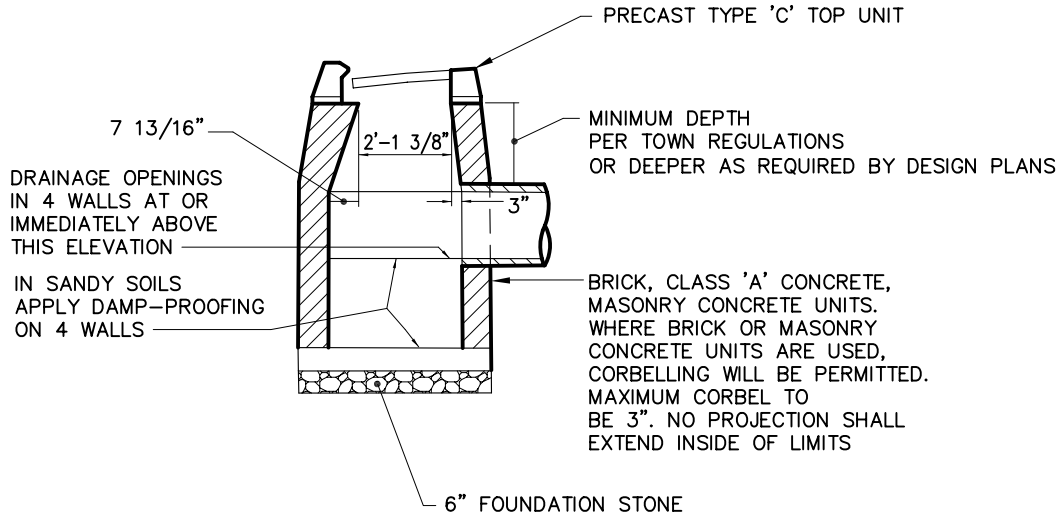
BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

Date:10/2011



TYPE 'C-L' CATCH BASIN



TYPE 'C' CATCH BASIN

BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

CATCH BASIN (ConnDOT)

Scale: NTS

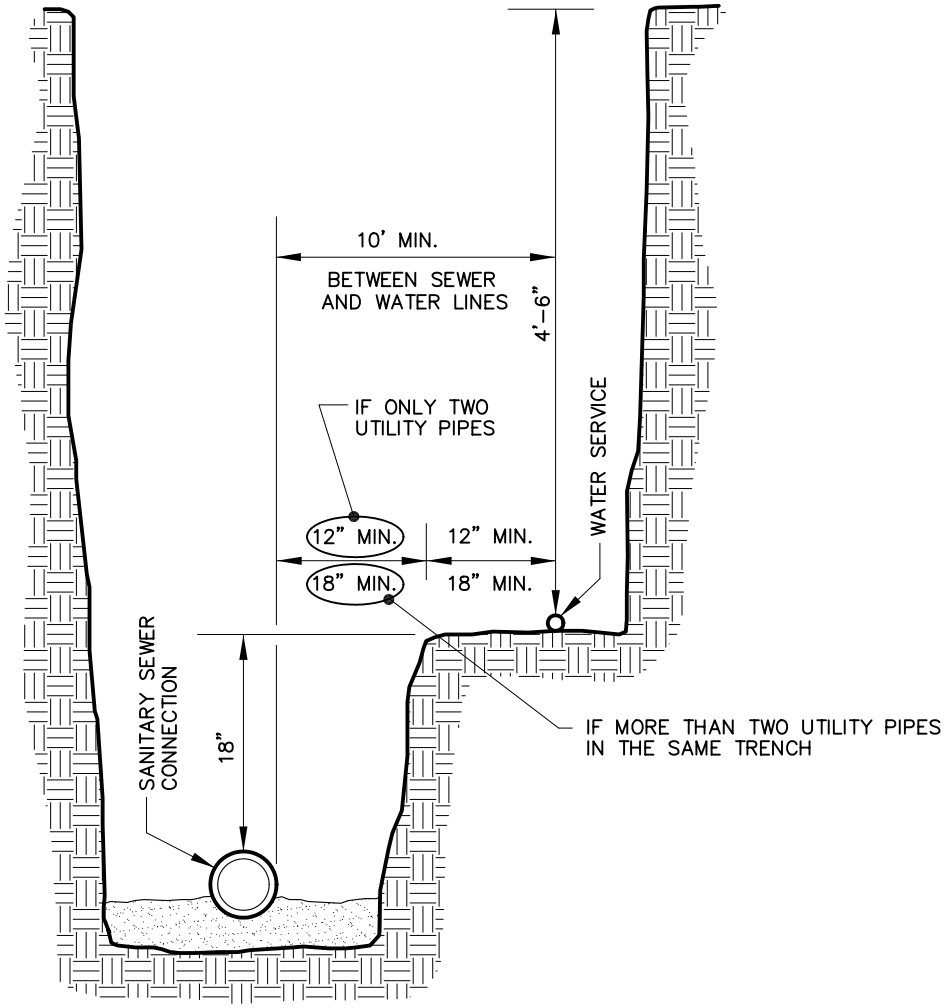
Drawing No.

SD-19

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Date:10/2011



SANITARY SEWER HOUSE CONNECTION AND WATER SERVICE IN TRENCH

Scale: NTS

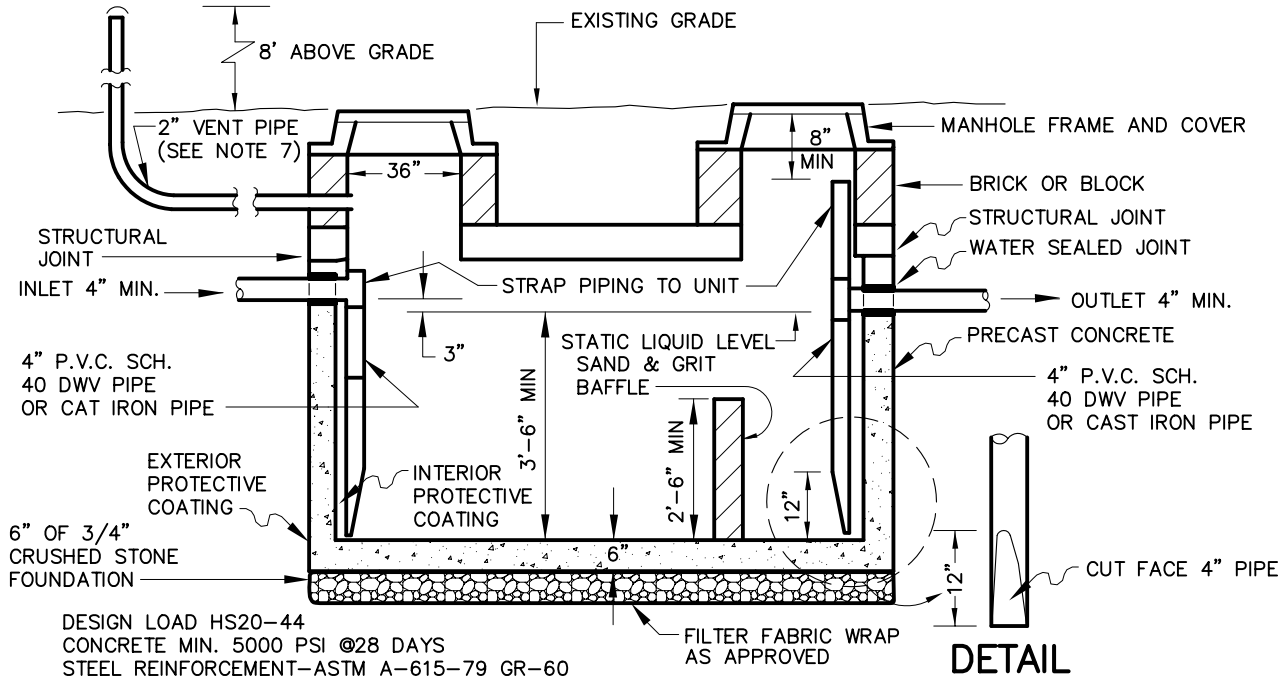
Drawing No.

SD-28

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Date:10/2011



1. Tank shall have a minimum capacity sufficient to pre-treat the maximum daily flow proposed and no less than 1000 gallons. Tank shall be constructed of precast concrete.

2. Interior of the tank and extension to grade manholes shall be coated with an epoxy petroleum resistant sealant. Exterior of the tank and extension grade manholes shall be coated with a waterproof foundation sealant. This includes the tank exteriors top and bottom.

3. Structural seam of the tank shall be filled in with non-shrinking cement or water plug and coated with a waterproof sealant.

4. Voids between inlet and outlet piping of the tank shall be grouted with non-shrinking cement and coated with a waterproof sealant.

5. The tank shall have extensions to grade above the inlet and outlet piping. The extension shall have frames and manhole covers. The manholes, extensions and accesses to the tank shall be at least 24 inches in diameter.

6. The outlet piping shall utilize a tee-pipe on the interior of the tank. The tee-pipe shall be equipped with a stand pipe riser extending up the extension to grade but no closer than eight (8) inches from the manhole cover. The tee-pipe shall extend six (6) to twelve (12) inches from the bottom of the tank.

7. The inlet extension to grade shall be provided with a vent line which extends eight (8) feet above finished grade and properly secured to the building. The size of the vent shall be half the size of the outlet discharge line.

8. The horizontal structural seam of the tank shall be located above the static liquid level of the tank.

9. The incoming pipe shall not include any sources of domestic wastewater.

10. The outlet pipe shall be connected to the sanitary sewer.

11. The outlet pipe shall be at least the size of the inlet pipe or greater and at a minimum should be 4.0 inches in diameter.

12. If heavy piping, such as cast iron is used, all piping must be structurally secured.

13. The concrete covers provided by the oil separator manufacturor must be removed and discarded.

BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

OIL-WATER SEPARATOR (GREASE TRAP)

BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL

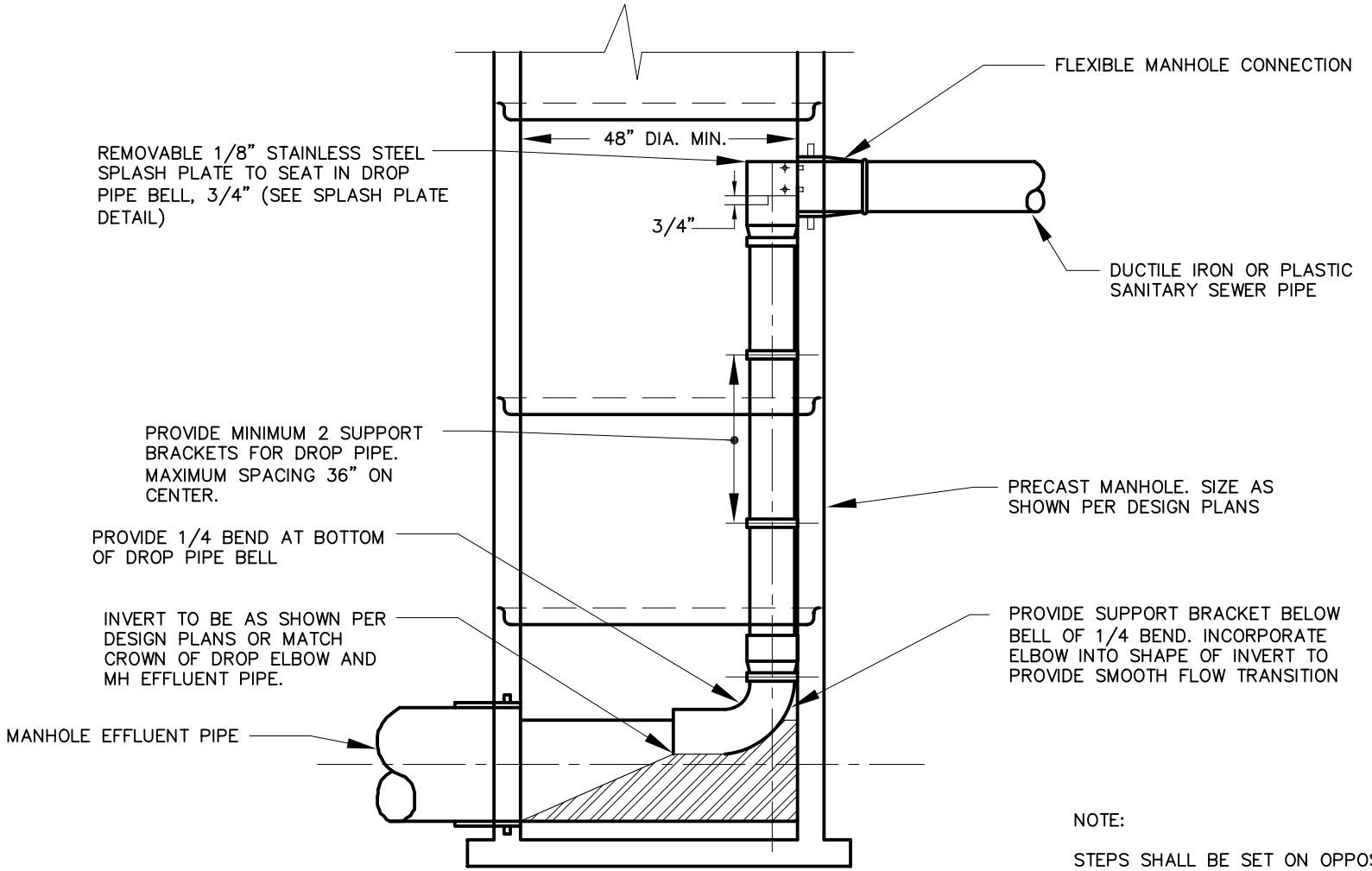
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-32

Date:10/2011



NOTE:

STEPS SHALL BE SET ON OPPOSITE SIDE OF MANHOLE THAN DROP PIPING.
INSIDE MANHOLE DIAMETER TO BE 48" MINIMUM FOR ACCESS AND SERVICEABILITY.

INSIDE DROP MANHOLE

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

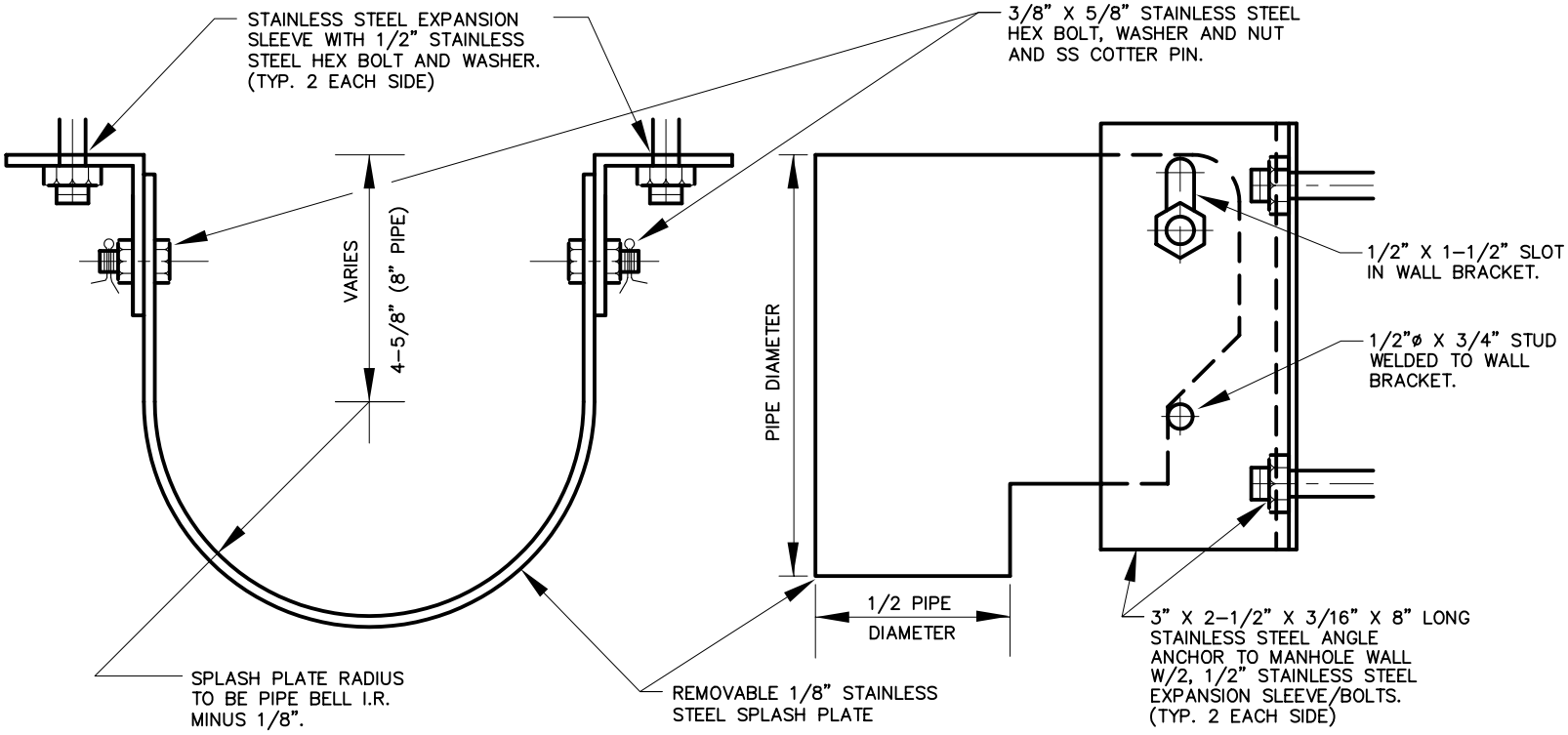
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-49

Date:10/2011



STAINLESS STEEL SPLASH PLATE

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

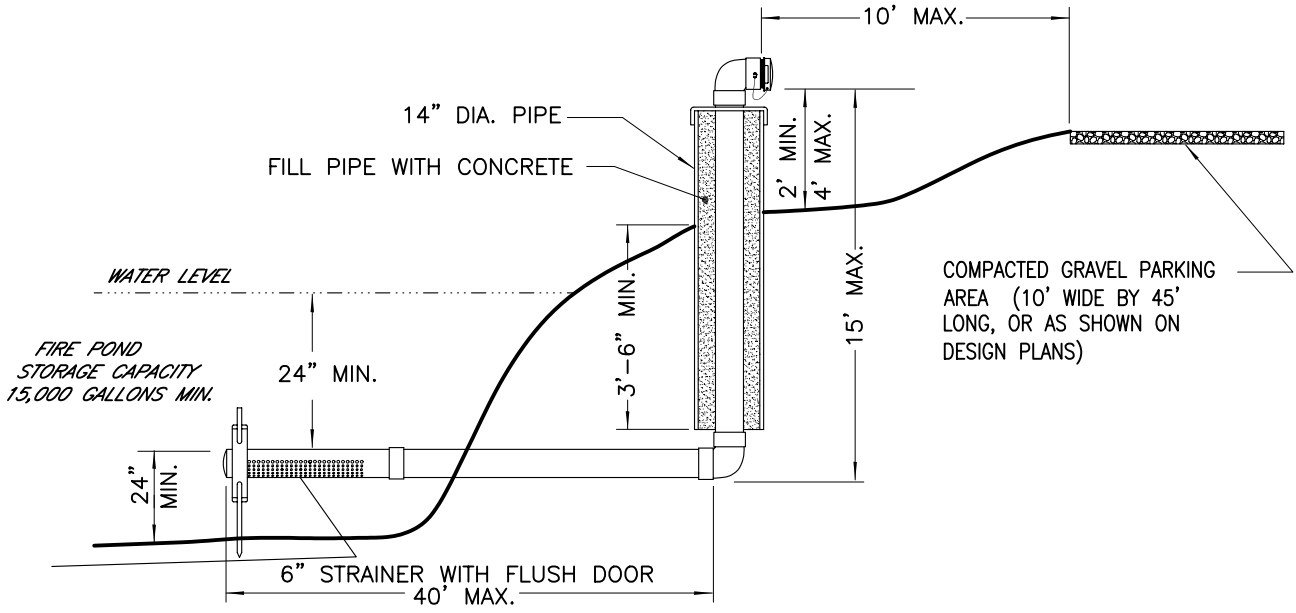
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-50

Date:10/2011



1.) ALL UNDERGROUND AND UNDERWATER PIPING SHALL BE PVC SCHEDULE 40 WITH A MINIMUM DIAMETER OF 6 INCHES.

2.) ALL JOINTS SHALL BE CLEANED AND SECURELY GLUED BEFORE BEING PLACED IN THE WATER. ALL JOINTS UNDERGROUND OR UNDERWATER WILL BE SCREWED WITH STAINLESS STEEL SCREWS ON EVERY JOINT AT LEAST THREE PLACES. GLUING OF JOINTS ABOVE GROUND OR ABOVE WATER IS ACCEPTABLE.

3.) ALL PIPING EXTENDING INTO THE WATER SUPPLY SHALL BE SUPPORTED ON AND SECURED TO CONCRETE OR STONE BLOCKS AT LEAST EVERY 10 FEET. THE STRAINER PORTION SHOULD BE SET A MINIMUM OF 24 INCHES OFF THE BOTTOM OF THE WATER SUPPLY. THE STRAINER AND HYDRANT HEAD TO BE PURCHASED FROM THE CONNECTICUT WATER CO. AT THEIR COST.

4.) HYDRANT RISER SHALL BE PROTECTED BY TWO STEEL CONCRETE FILLED POST 6 INCHES IN DIAMETER, PLACED 24 INCHES ON EITHER SIDE OF THE RISER AND EXTEND 48 INCHES ABOVE THE FINISH GRADE. THE POSTS SHALL BE EMBEDDED IN CONCRETE AFTER THE HYDRANT IS ACCEPTED BY THE CONNECTICUT WATER CO. POST SHALL BE PAINTED SAFETY YELLOW WITH 6 INCH RED BAND AT THE TOP.

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT

DRY HYDRANT

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

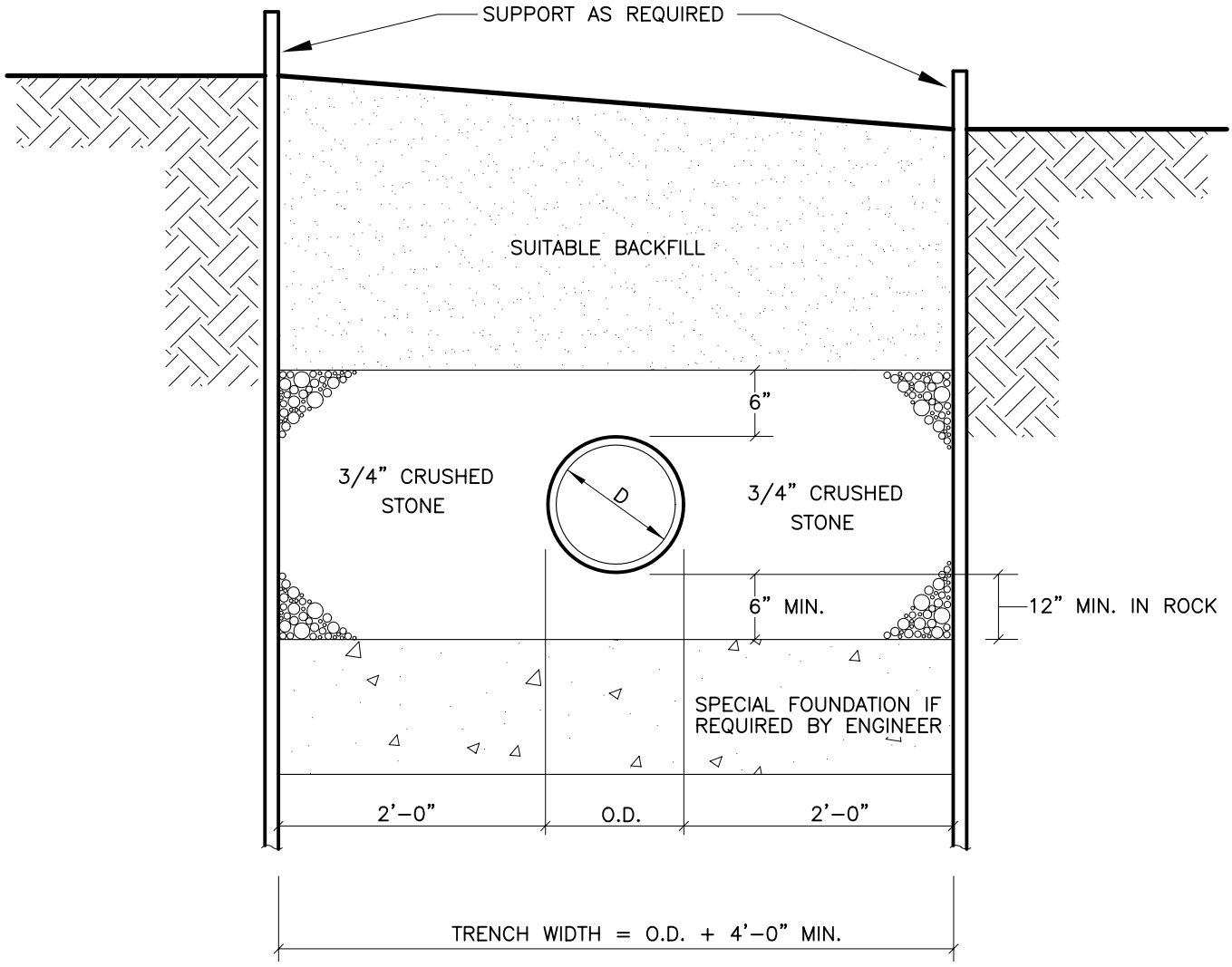
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-52

Date:10/2011



TYPICAL SANITARY SEWER TRENCH

Scale: NTS

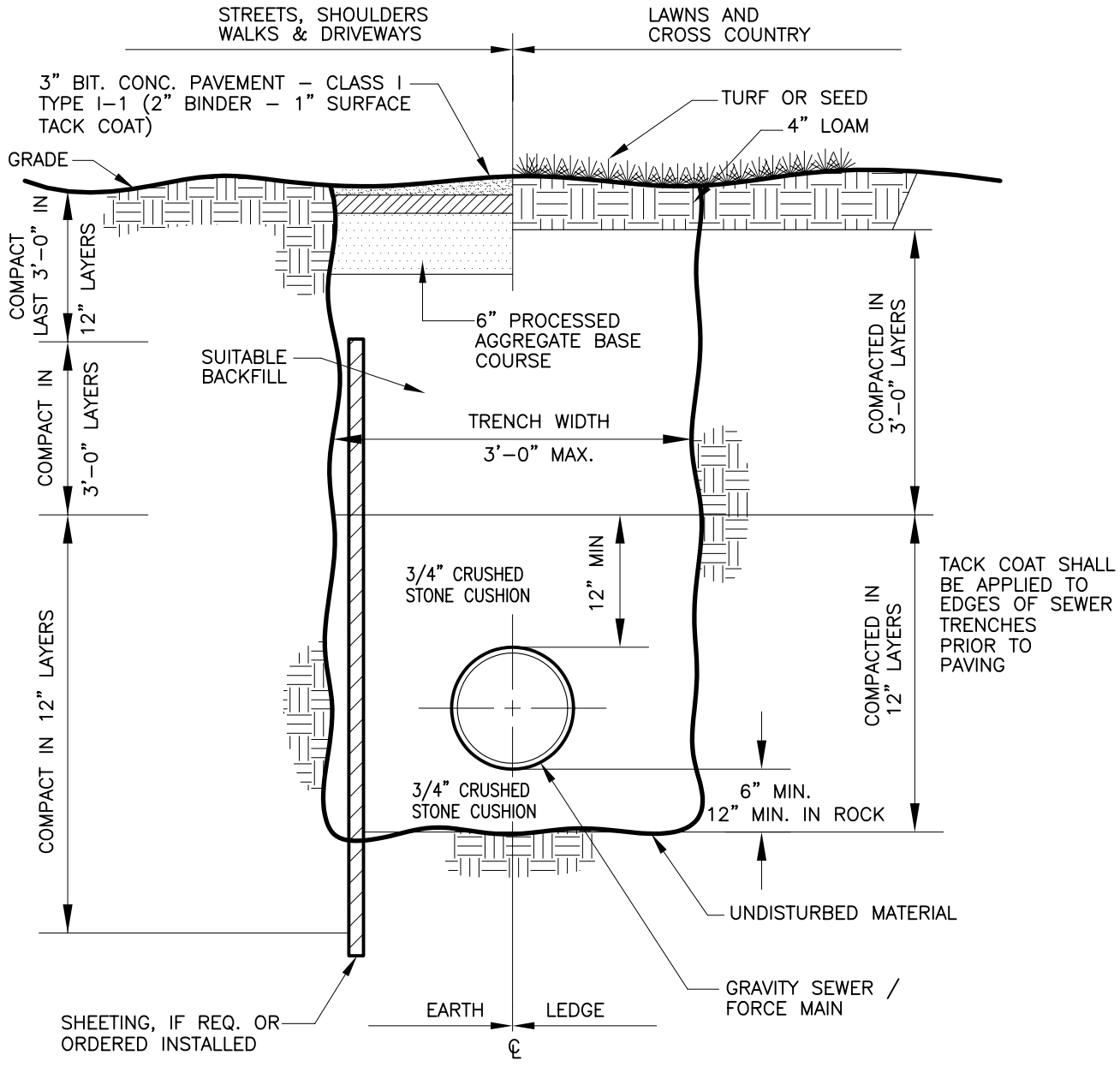
Drawing No.

SD-53

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Date:10/2011



TYPICAL SANITARY SEWER LATERAL TRENCH

BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL

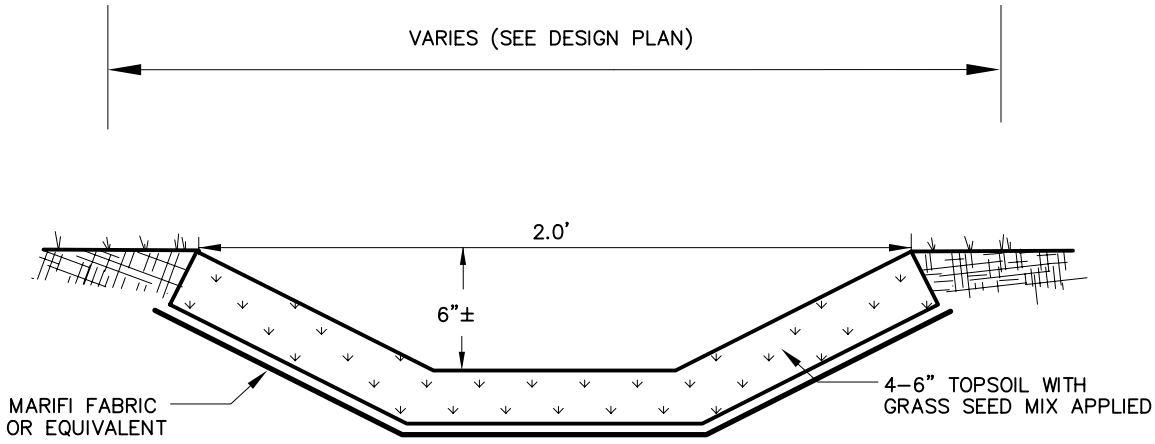
229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

Scale: NTS

Drawing No.

SD–54

Date:10/2011



SMALL DRAINAGE SWALE (GRASS)

Scale: NTS

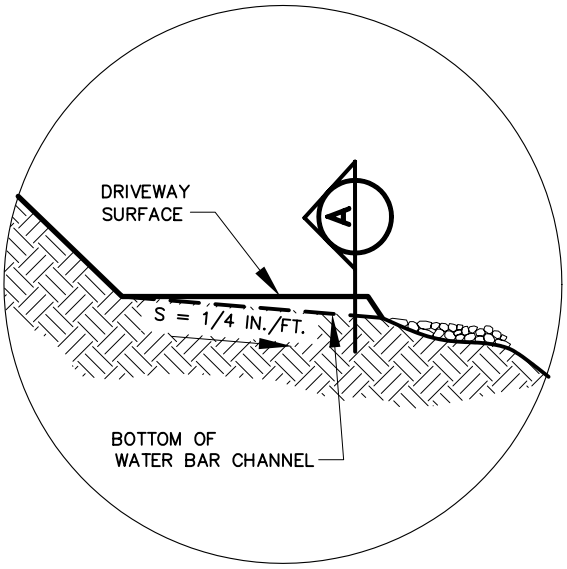
Drawing No.

SD–31

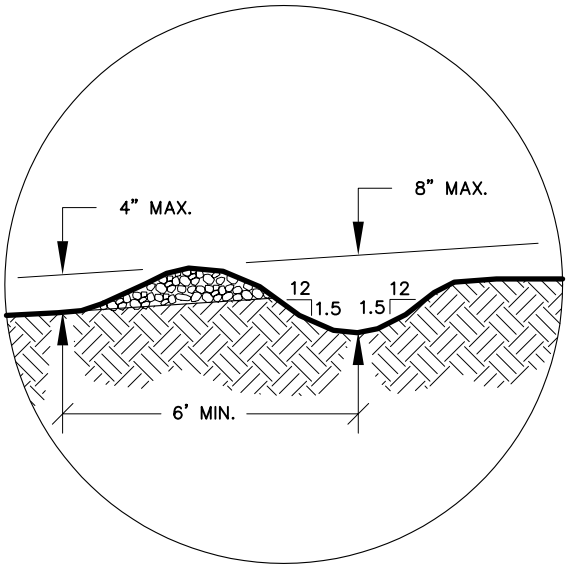
BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

Date:10/2011

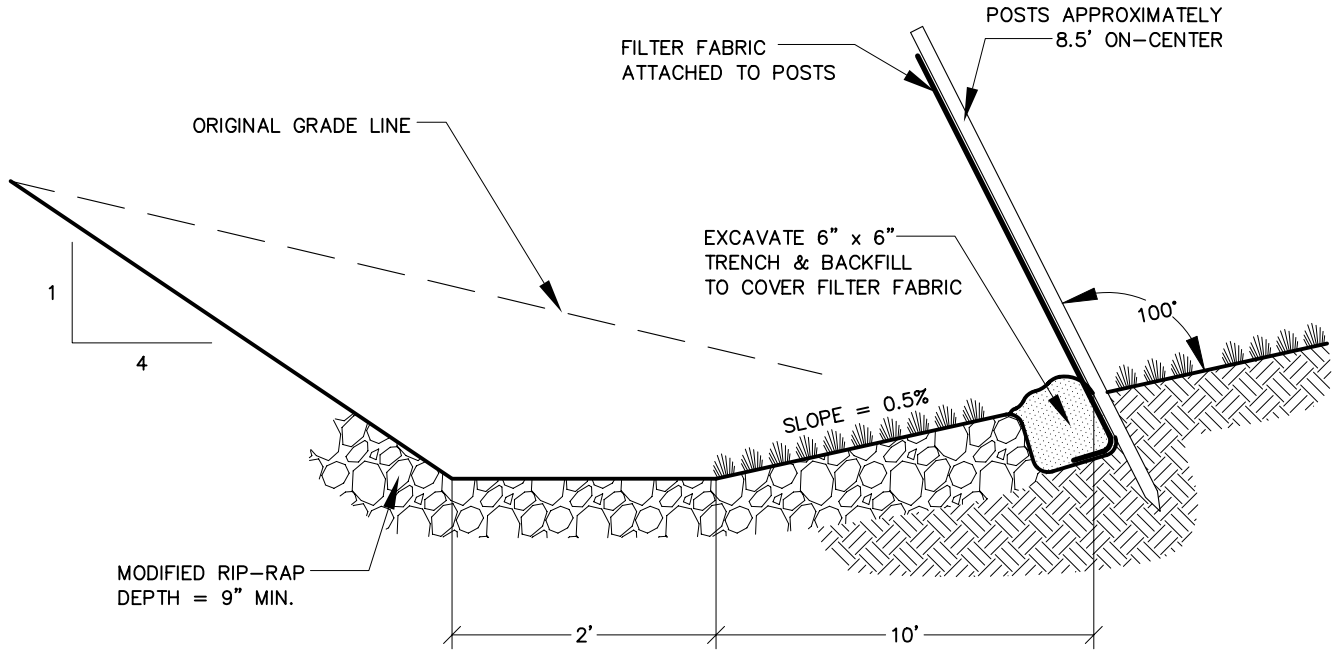


WATER BAR OR WATER BREAK



SECTION A

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	WATER BAR OR WATER BREAK	Scale: NTS
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL 229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov	Drawing No. SD-55
		Date:10/2011



RIP-RAP LEVEL SPREADER

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

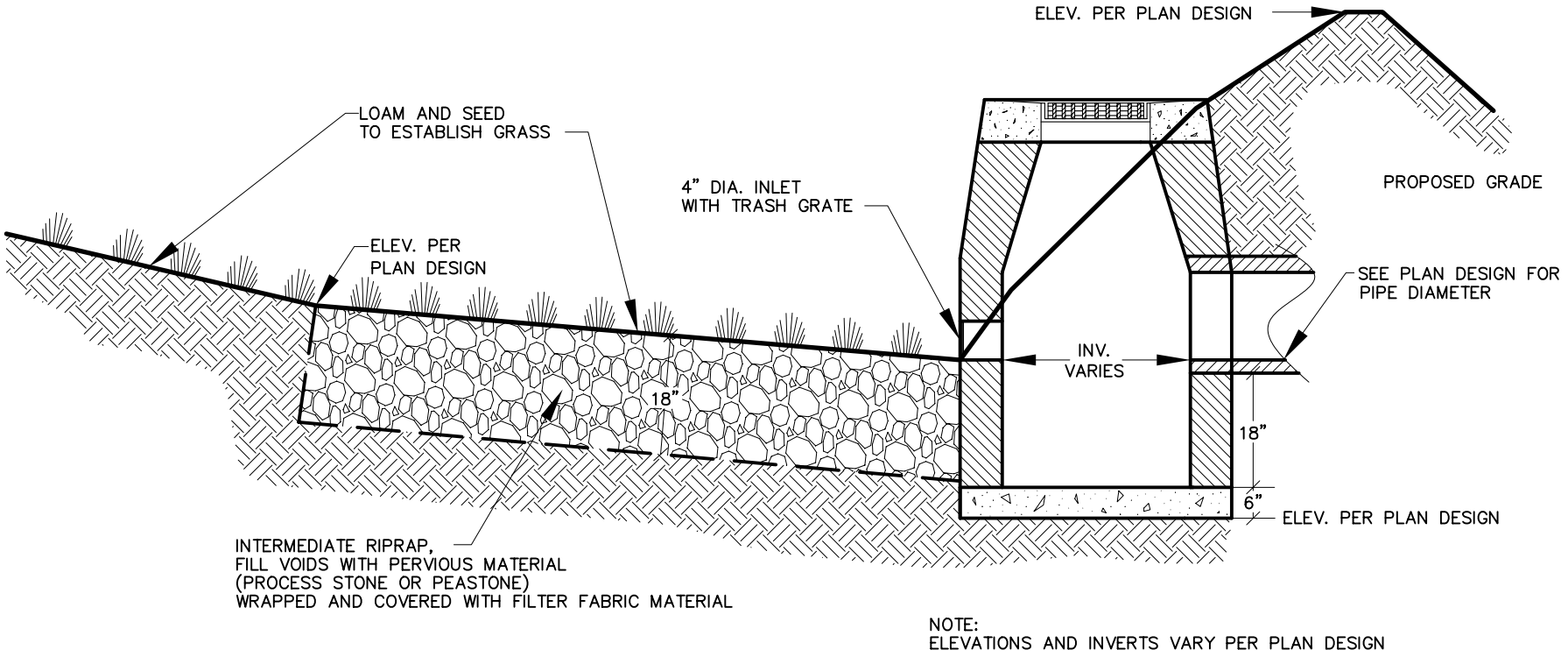
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-56

Date:10/2011



NOTE:
ELEVATIONS AND INVERTS VARY PER PLAN DESIGN

RETENTION BASIN EXAMPLE

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

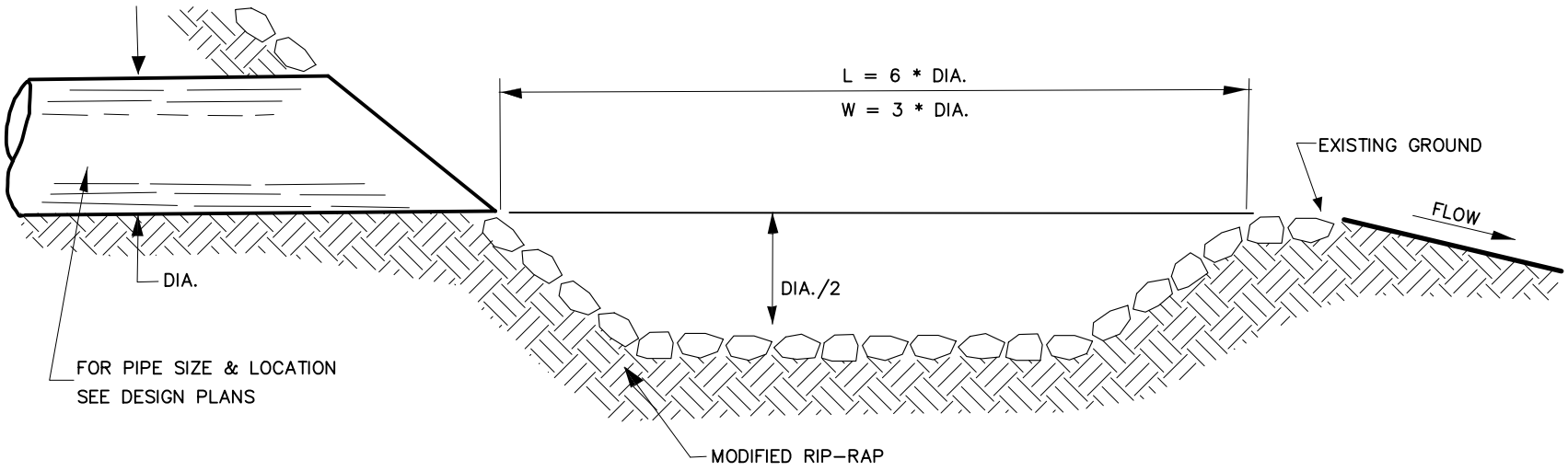
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-57

Date:10/2011



NOTE:
PLUNGE POOL TO BE SIZED ACCORDING TO DESIGN PLANS

PLUNGE POOL

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

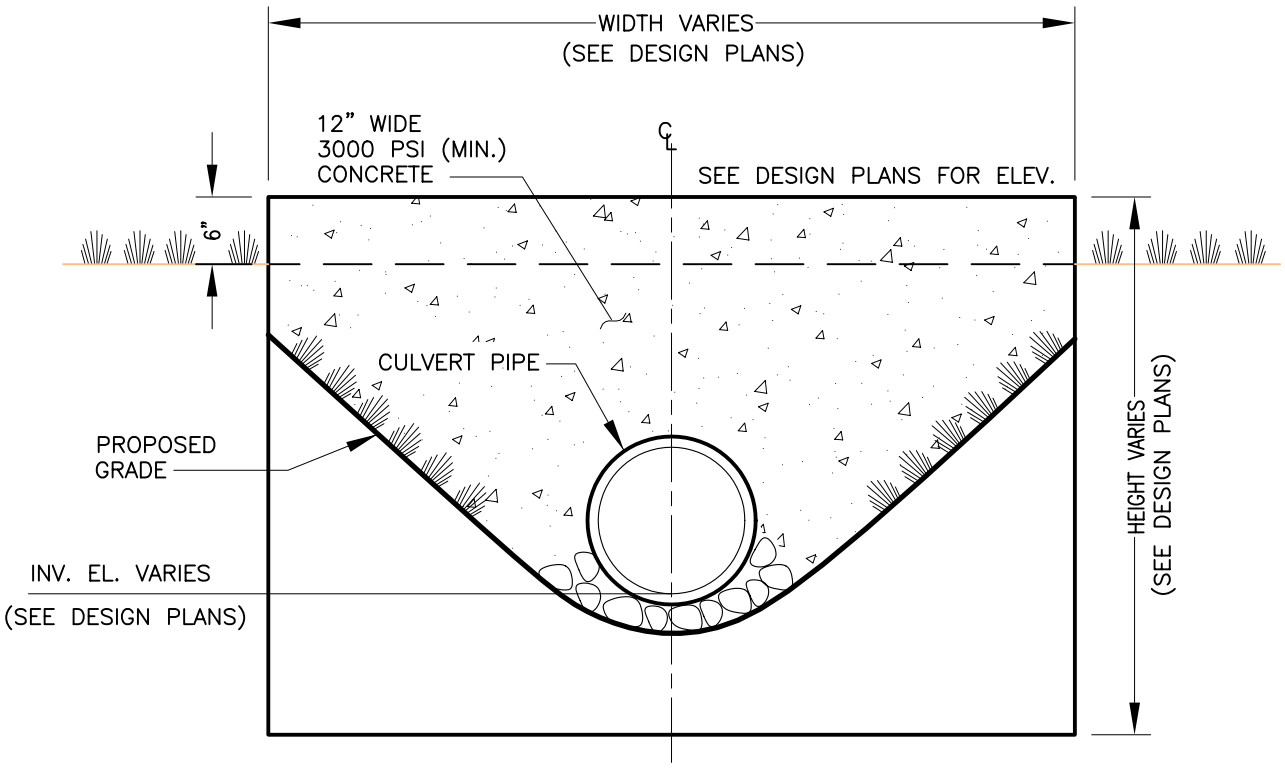
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-58

Date:10/2011



BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

HEADWALL

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

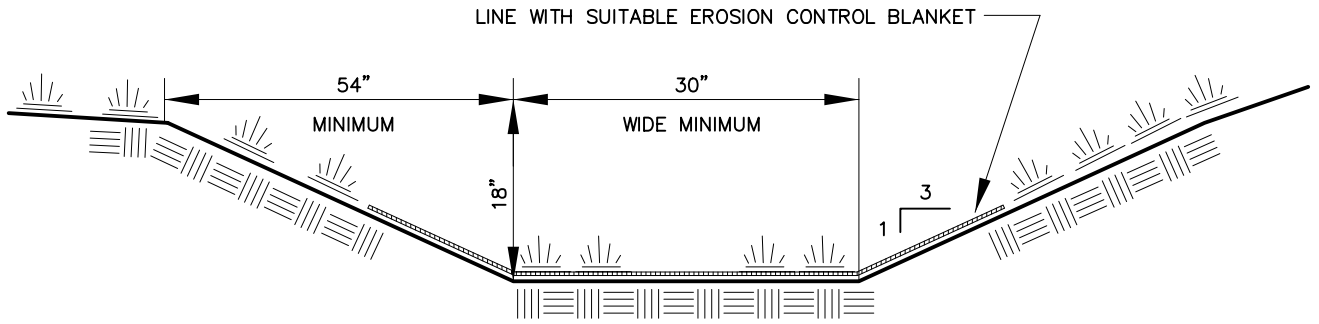
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-59

Date:10/2011



LARGE DRAINAGE SWALE (GRASS)

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

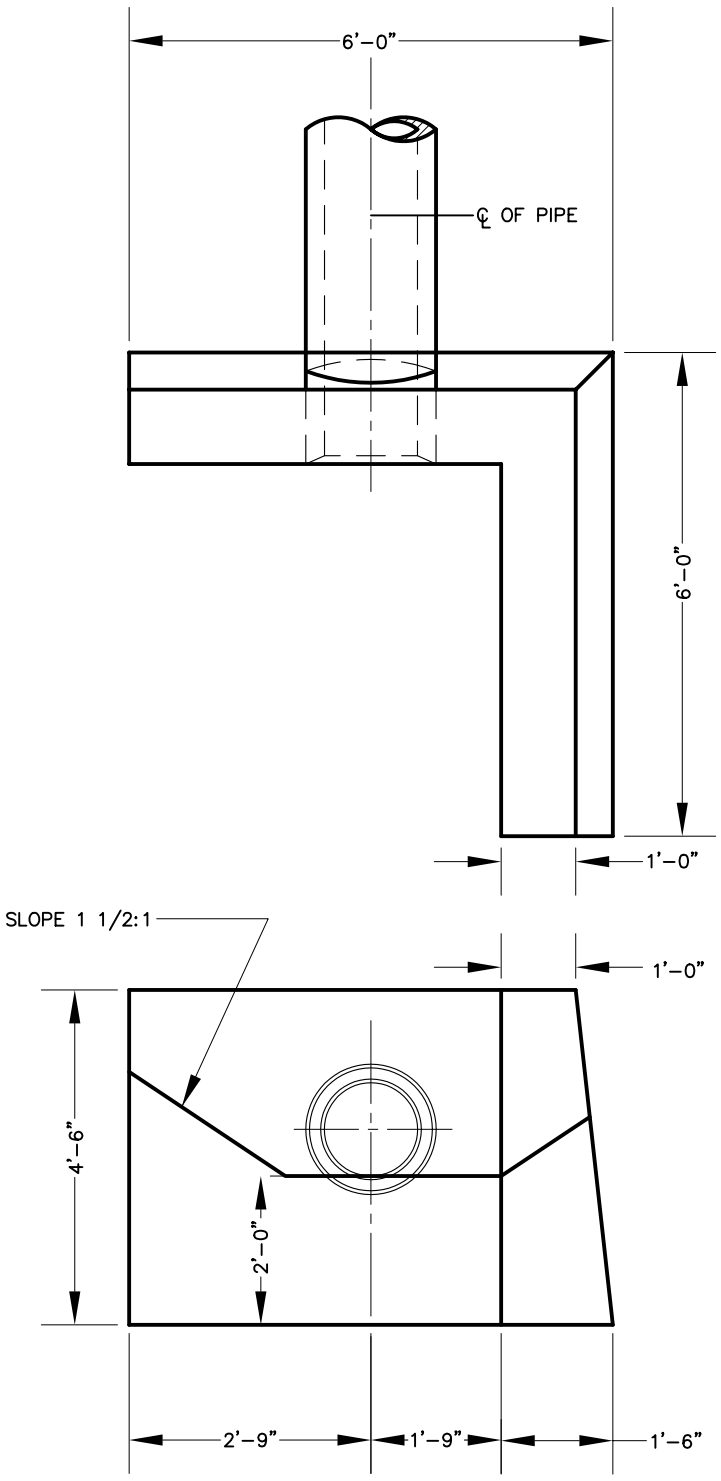
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-60

Date:10/2011



TYPE "L" ENDWALL

Scale: NTS

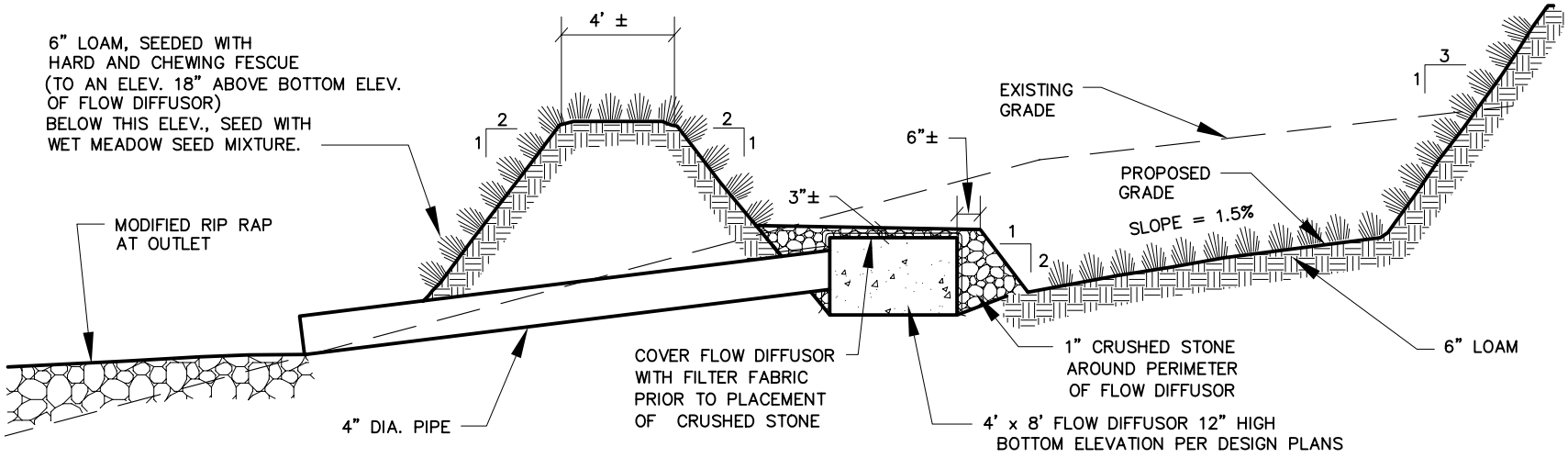
Drawing No.

SD-61

Date:10/2011

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov



NOTE:
ELEVATIONS AND INVERTS PER DESIGN PLANS

BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

DRY RETENTION BASIN EXAMPLE

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

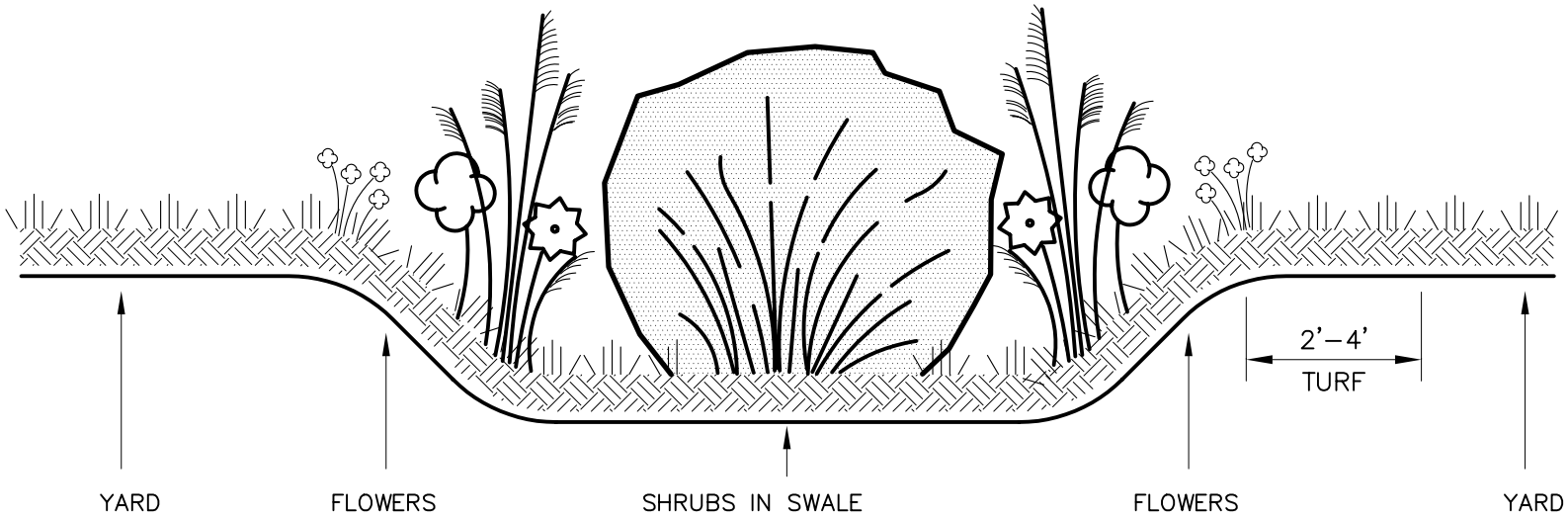
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-62

Date:10/2011



TYPICAL RESIDENTIAL RAIN GARDEN

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

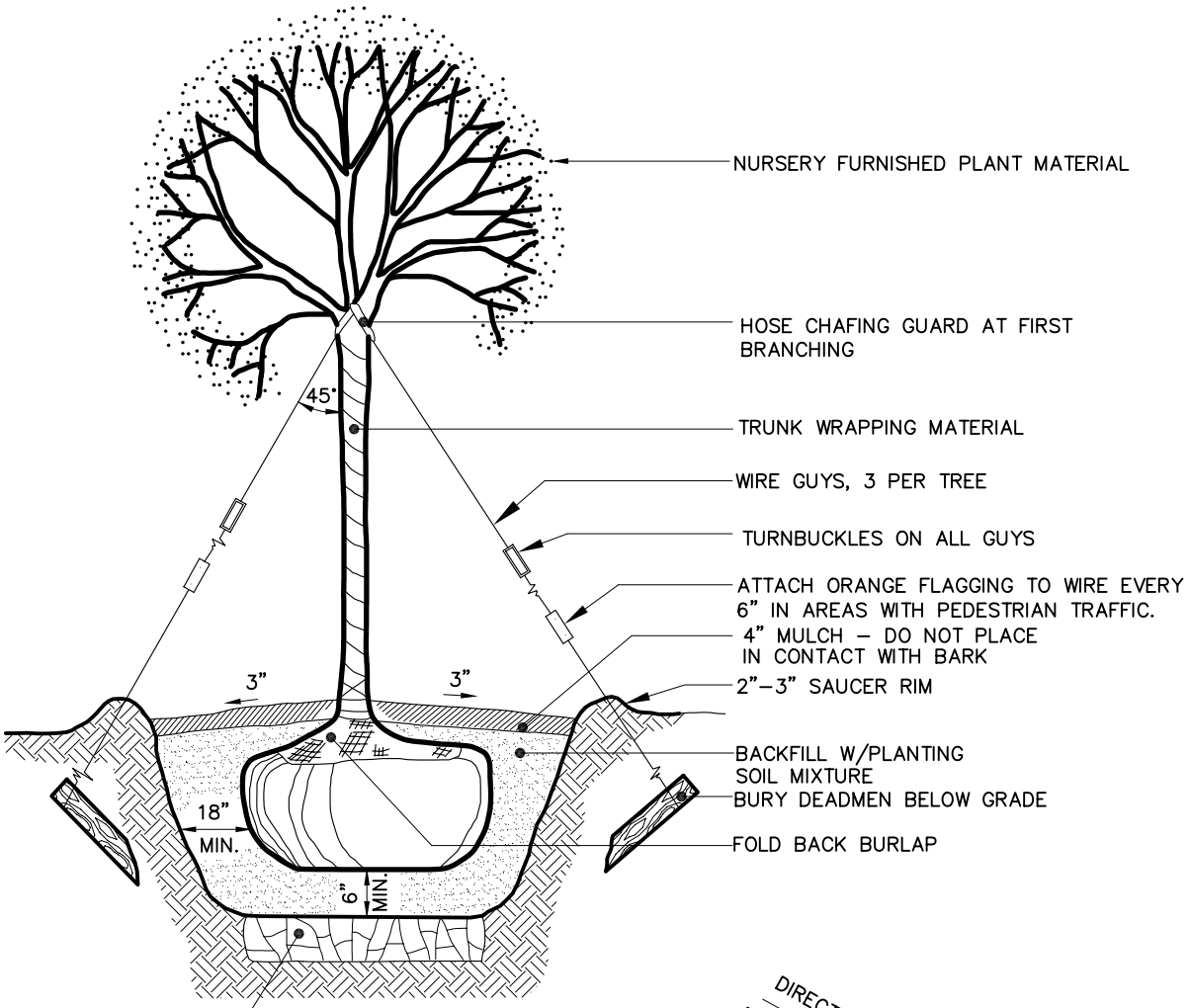
229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

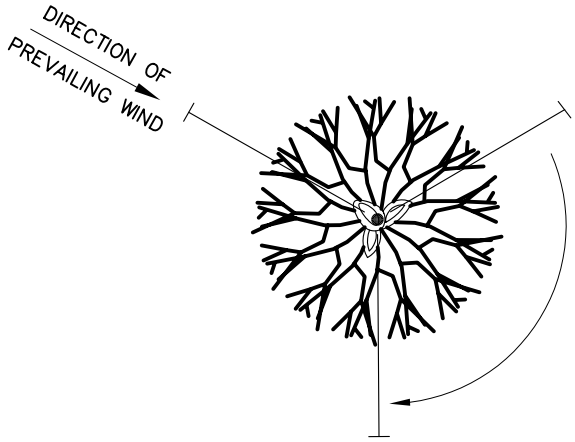
Scale: NTS

Drawing No.

SD–9

Date:10/2011



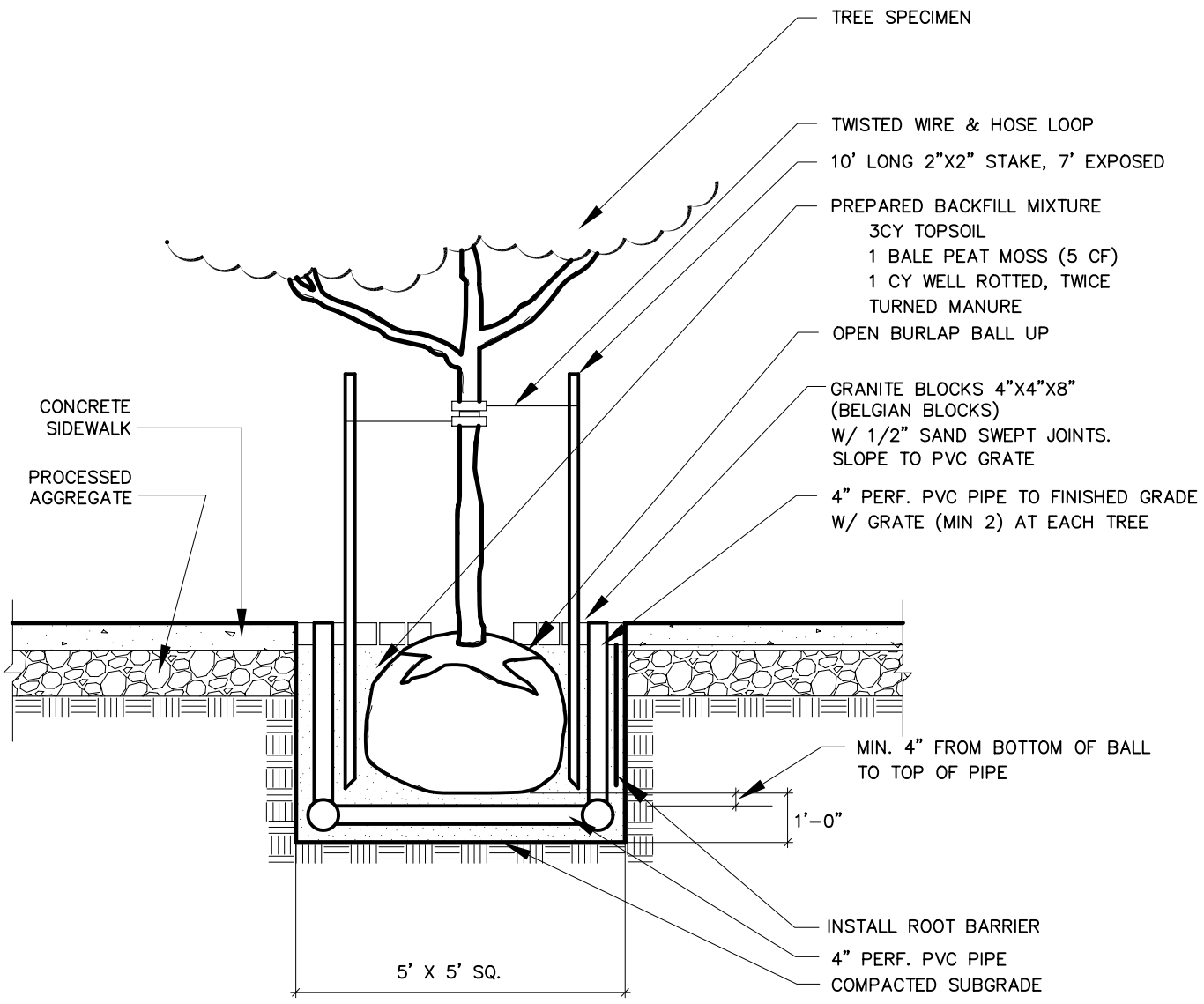


NOTE:
ALL TREES PLANTED WITHIN PARKING LOT ISLANDS SHALL BE INSTALLED WITH A ROOT BARRIER. (SEE TREE WELL DETAIL.)

TREE PLANTING

PLAN VIEW

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	TREE PLANTING	Scale: NTS
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	Drawing No. SD–29
	229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov	Date:10/2011



TREE WELL

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

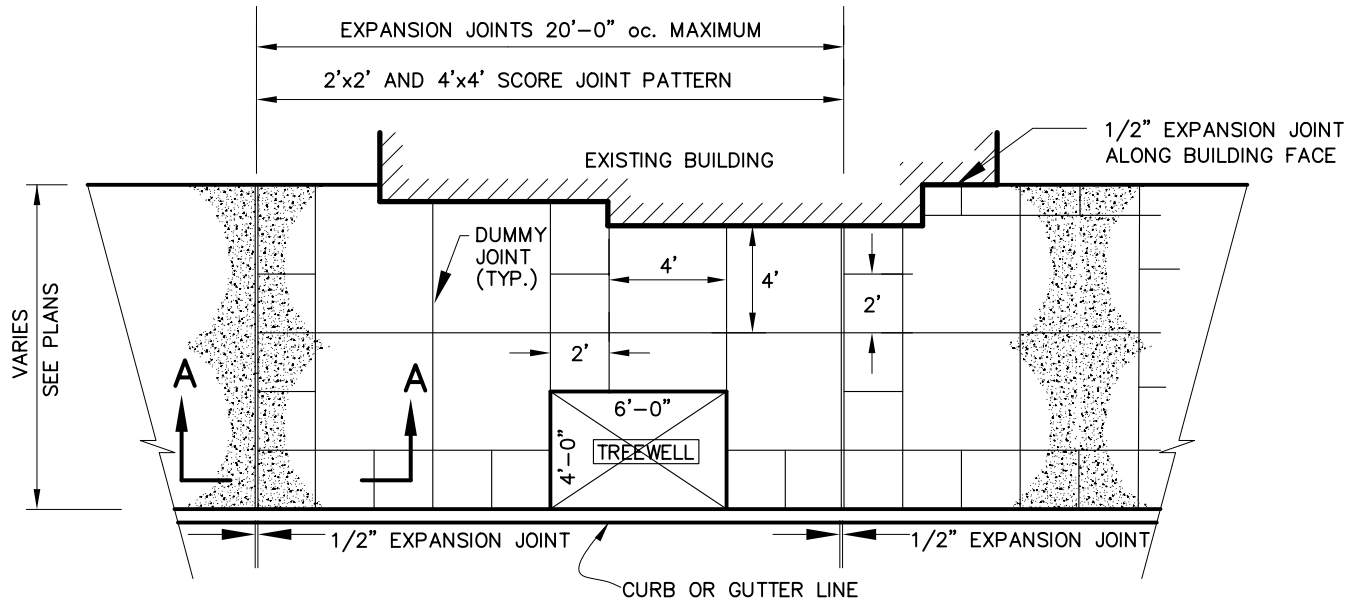
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

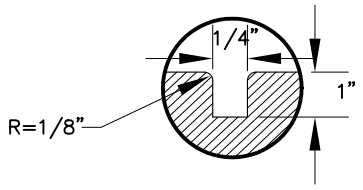
Drawing No.

SD-43

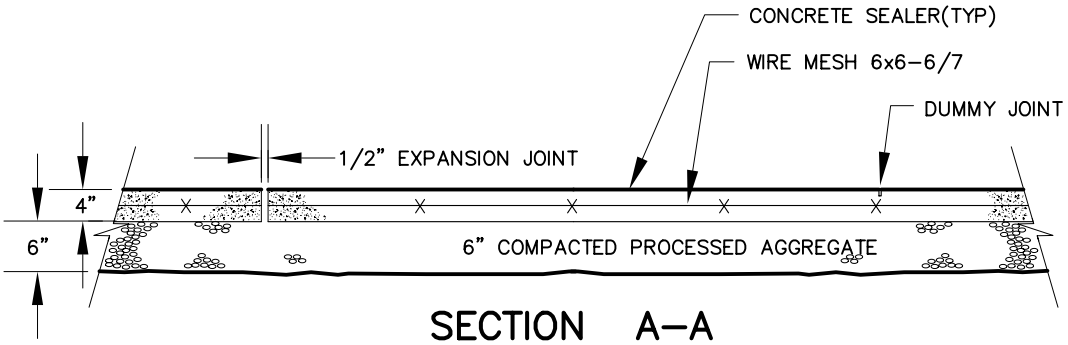
Date:10/2011



PLAN VIEW

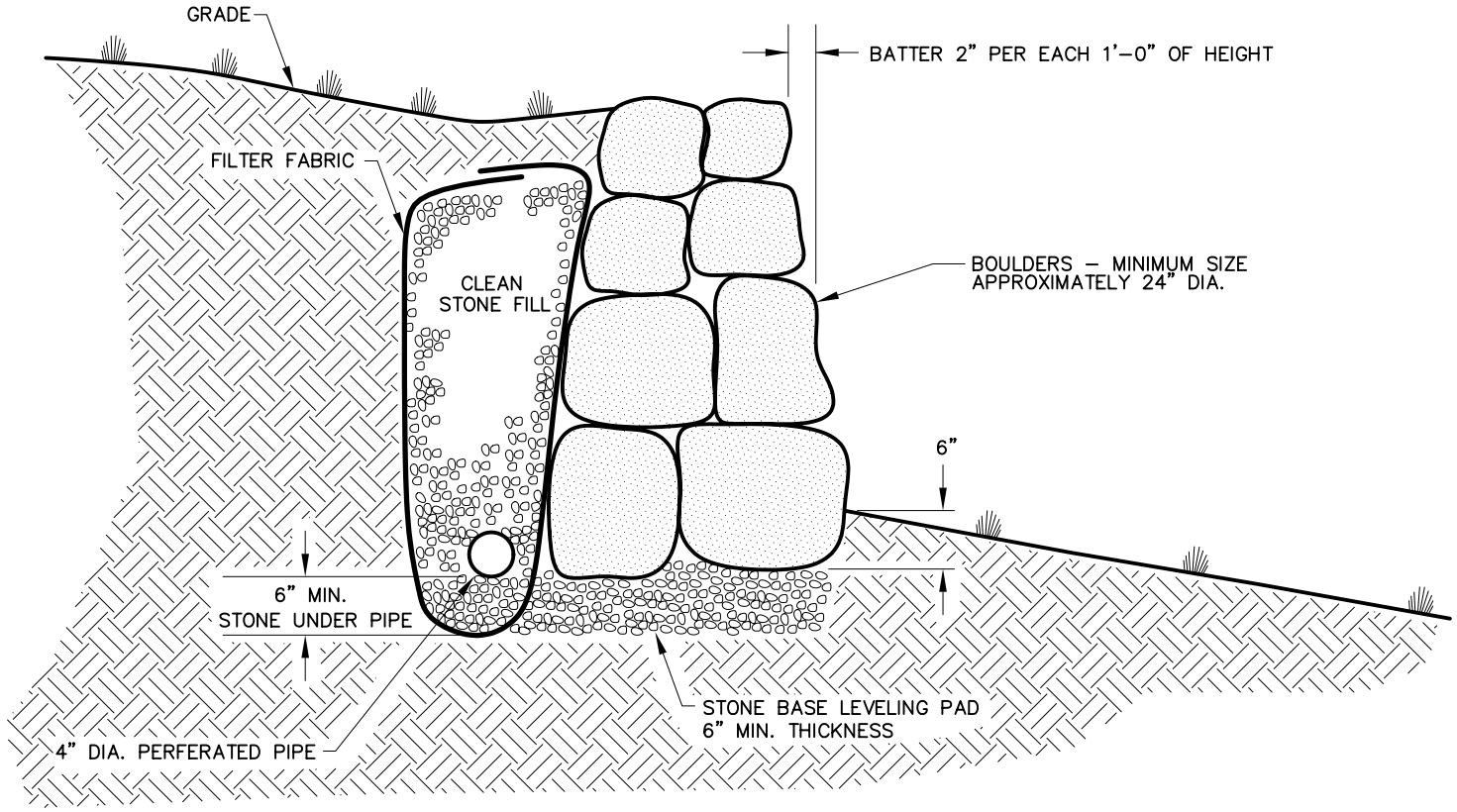


DUMMY JOINT



SECTION A–A

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	CONCRETE SIDEWALK WITH TREE WELL	Scale: NTS
		Drawing No. SD–44
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	
	229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov	Date:10/2011



NOTE:
WALLS OVER 3' IN HEIGHT REQUIRE DESIGN AND CERTIFICATION BY A PROFESSIONAL ENGINEER.

DRY STONE RETAINING WALL

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

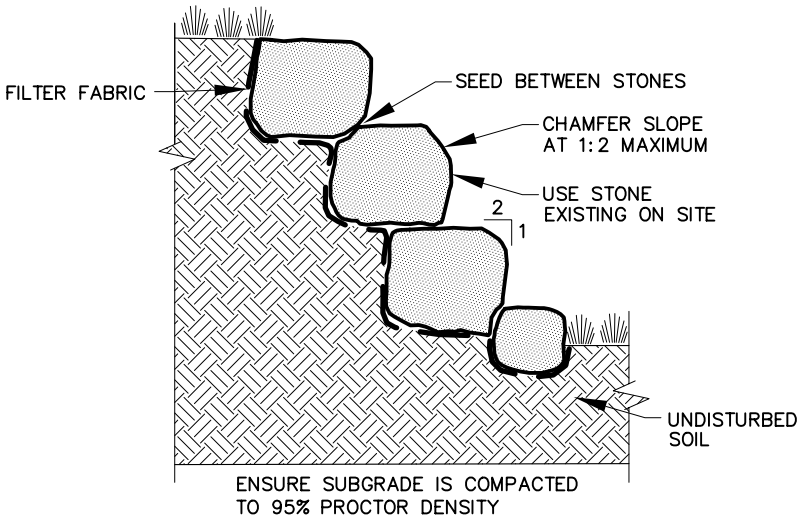
229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

Scale: NTS

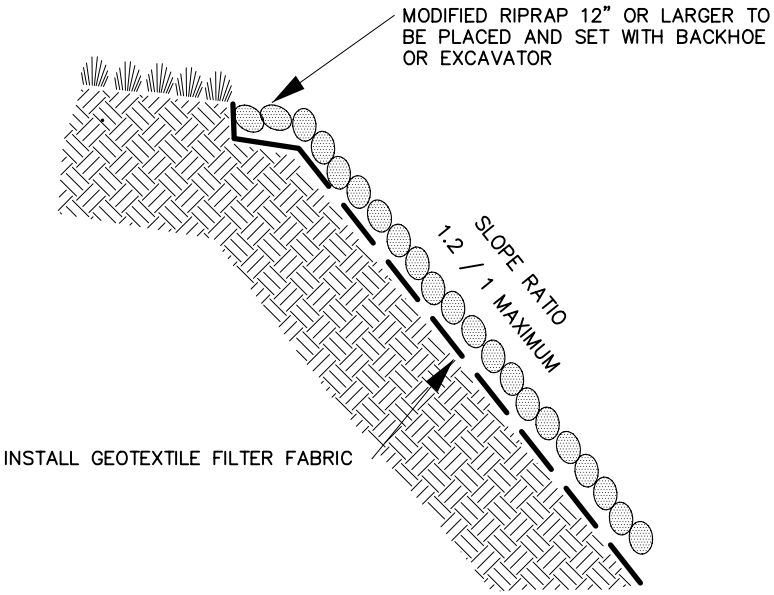
Drawing No.

SD–64

Date:10/2011



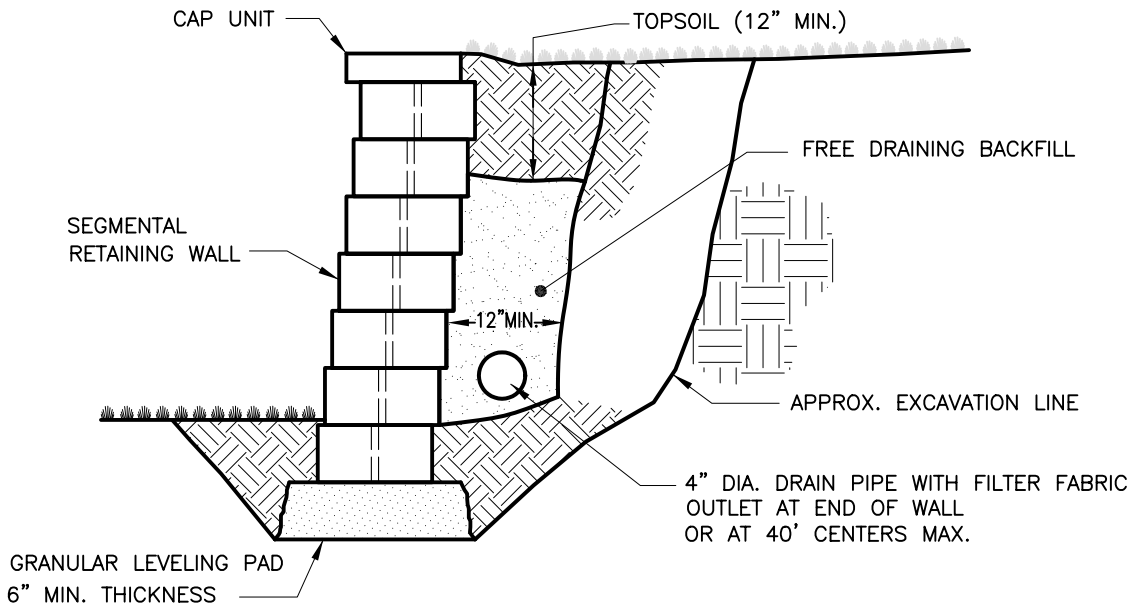
STONE SLOPE



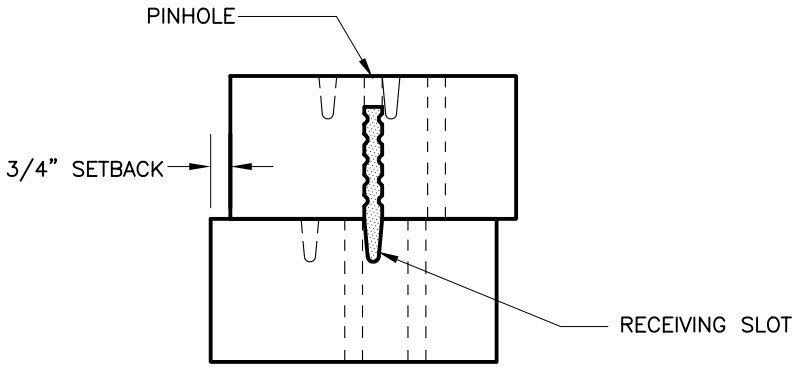
STONE SLOPE PAVING

NOTE:
STONE SLOPES OVER 2:1 GRADE REQUIRE DESIGN AND CERTIFICATION BY A PROFESSIONAL ENGINEER.

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	STONE SLOPE AND STONE SLOPE PAVING	Scale: NTS
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	Drawing No. SD–65
	229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov	Date:10/2011



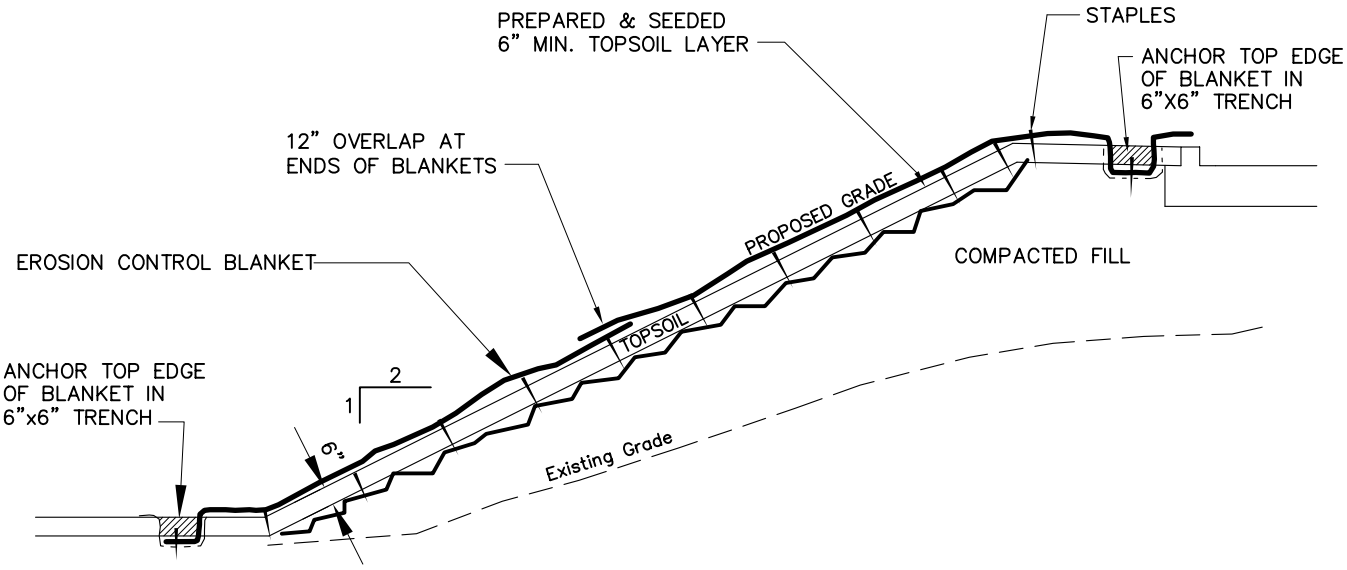
UNREINFORCED SEGMENTAL RETAINING WALL SECTION

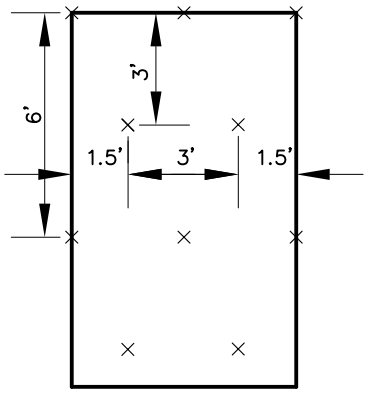


PINNING DETAIL

WALLS OVER 3' IN HEIGHT REQUIRE DESIGN AND CERTIFICATION BY PROFESSIONAL ENGINEER.

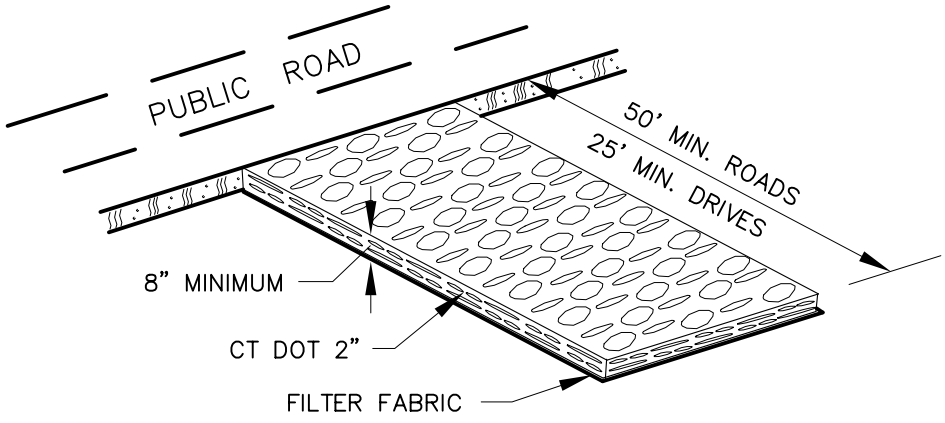
BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	UNREINFORCED SEGMENTAL RETAINING WALL	Scale: NTS
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	Drawing No. SD–66
	229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov	Date:10/2011





STAPLE PATTERN "C"

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	EROSION CONTROL BLANKET ON FILL SLOPE	Scale: NTS
		Drawing No.
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	SD–21
	229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov	Date:10/2011



SEE STORMWATER MANUAL FOR SIZING FORMULA.

ANTI-TRACKING PAD

Scale: NTS

Drawing No.

SD-23

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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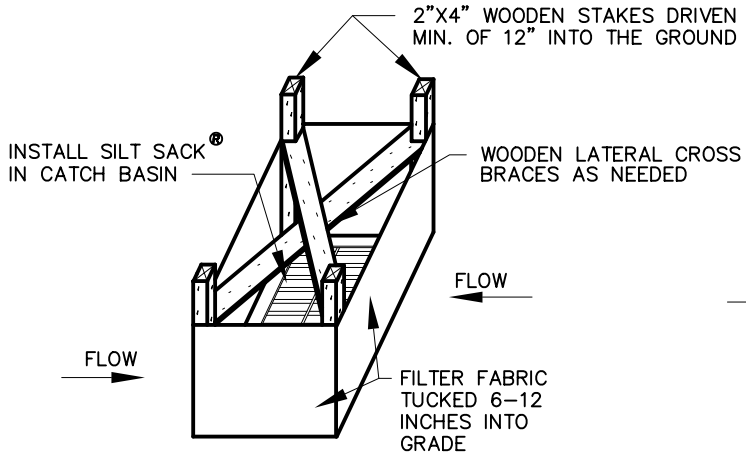
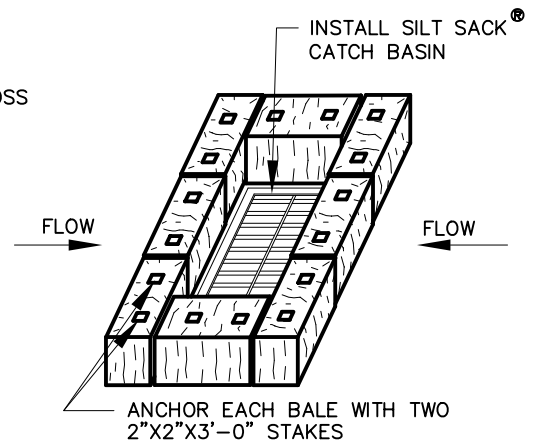
Date:10/2011



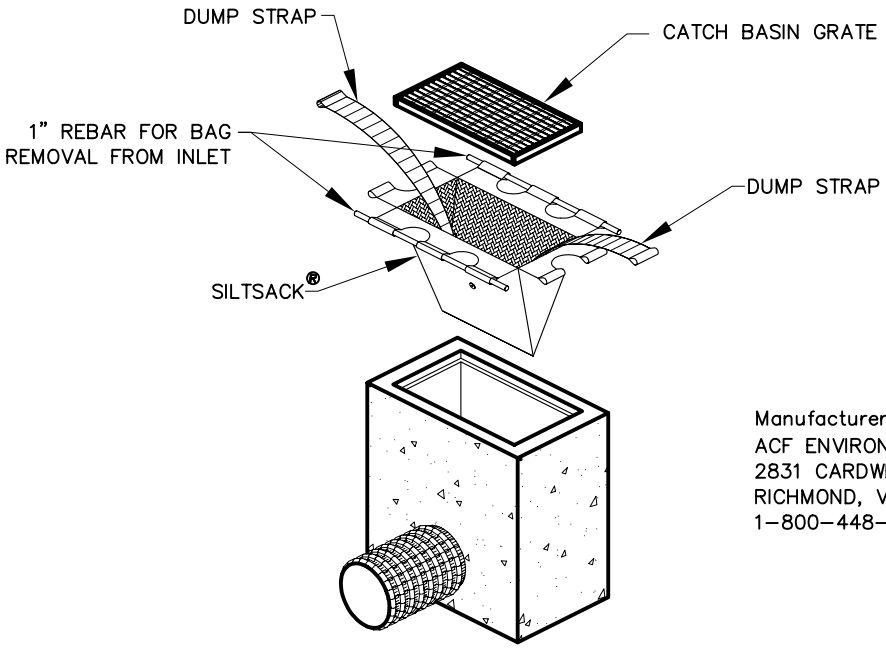
SILT FENCE INSTALLATION AT CATCH BASINS AT LOW POINTS



HAY BALE FILTER INSTALLATION AT CATCH BASIN AT LOW POINTS

STORMWATER INLETS WHICH DO NOT DISCHARGE TO SEDIMENT TRAPS OR BASINS, MUST BE PROTECTED UNTIL THE TRIBUTARY AREAS ARE STABILIZED.

SEDIMENT MUST BE REMOVED FROM SILT SACK INLET PROTECTION AFTER EACH STORM EVENT.



Manufacturer:
ACF ENVIRONMENTAL
2831 CARDWELL ROAD
RICHMOND, VA 23234
1–800–448–3636

SILTSACK SEDIMENT CONTROL DEVICE

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT

CATCH BASIN EROSION CONTROL

Scale: NTS

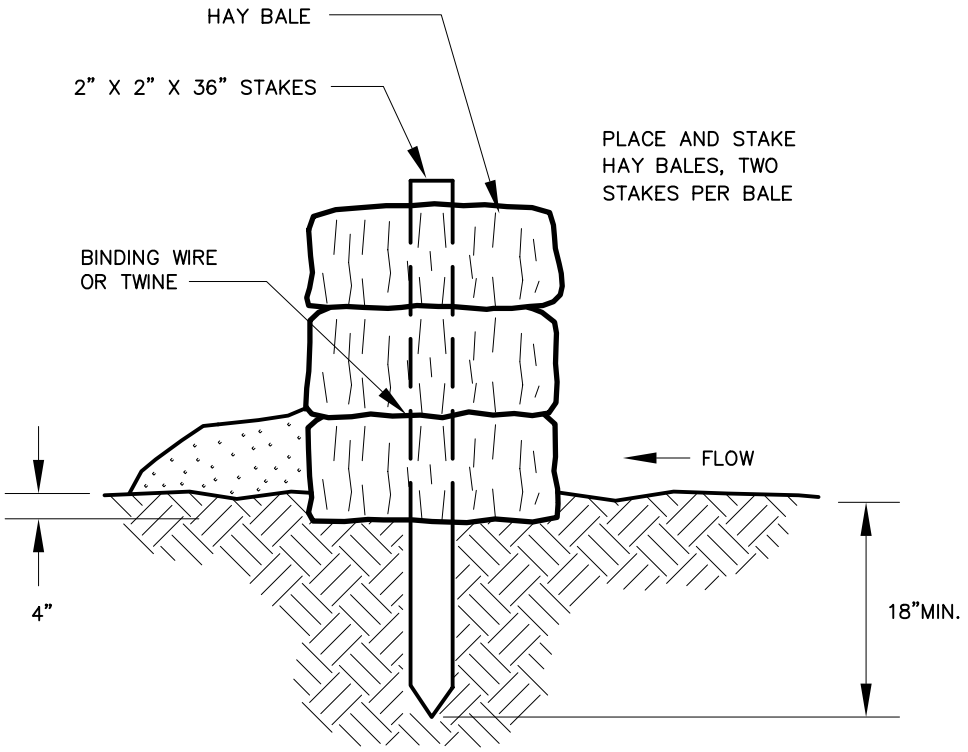
Drawing No.

SD–26

BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

Date:10/2011

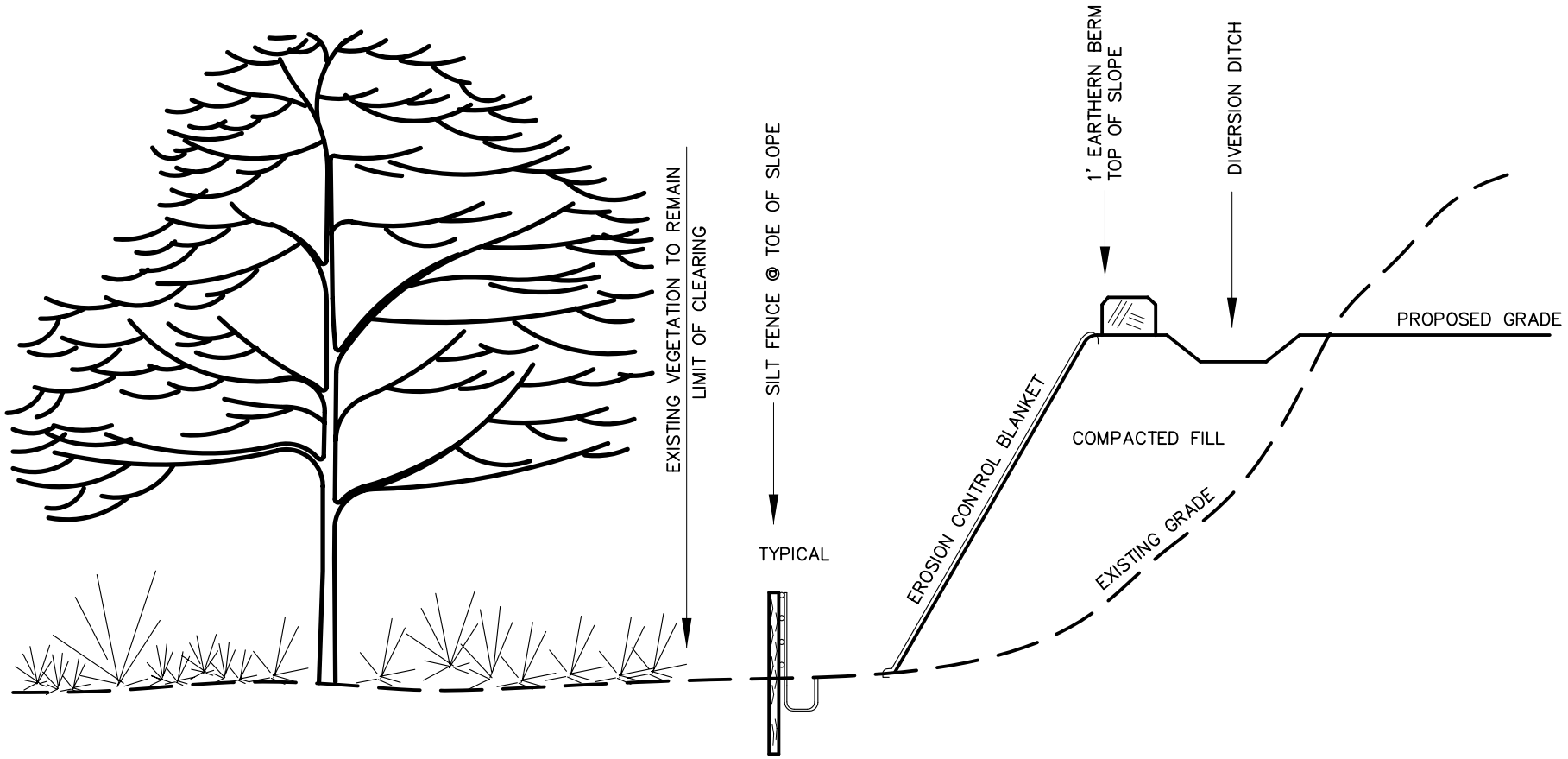


HAY BALE BARRIERS SHOULD NOT BE USED FOR MORE THAN 3 MONTHS.

SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE ABOVE GROUND HEIGHT OF THE BARRIER.

ANY SECTION OF HAY BALE BARRIER WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT	HAY BALE BARRIER	Scale: NTS
	BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL	Drawing No. SD-30
	229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov	Date:10/2011



TYPICAL EROSION CONTROL ON SLOPES

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

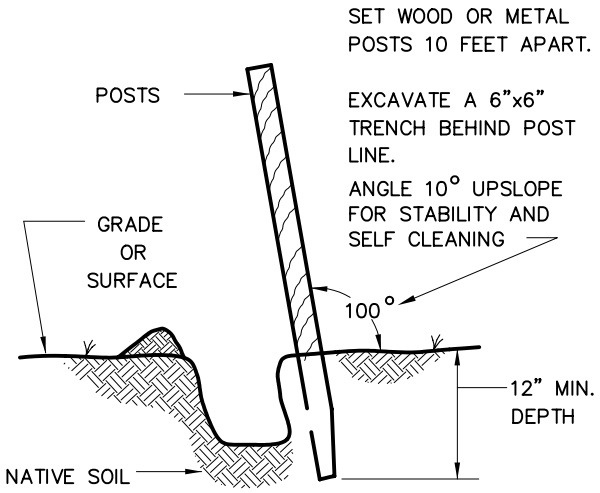
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-35

Date:10/2011



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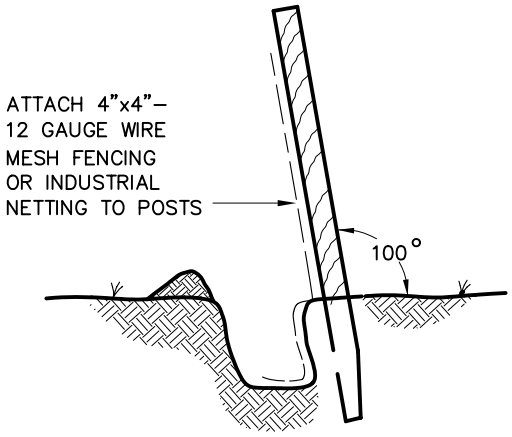
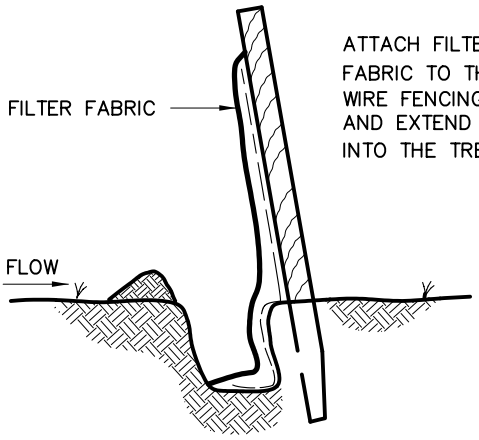


2

3



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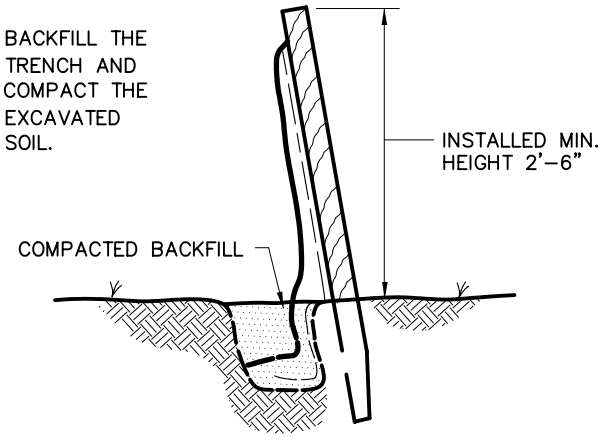


NOTE:
FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION.
PREASSEMBLED UNITS ALSO MAY BE USED, INSTALLED
AS INDICATED.

BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

FILTER FABRIC SEDIMENT CONTROL FENCE PLACEMENT AND CONSTRUCTION

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

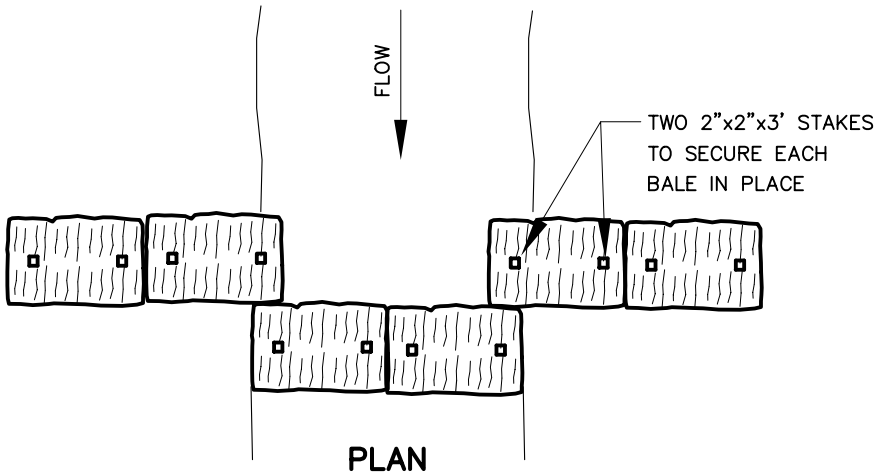
229 Church Street, Naugatuck, CT 06770 www.naugatuck–ct.gov

Scale: NTS

Drawing No.

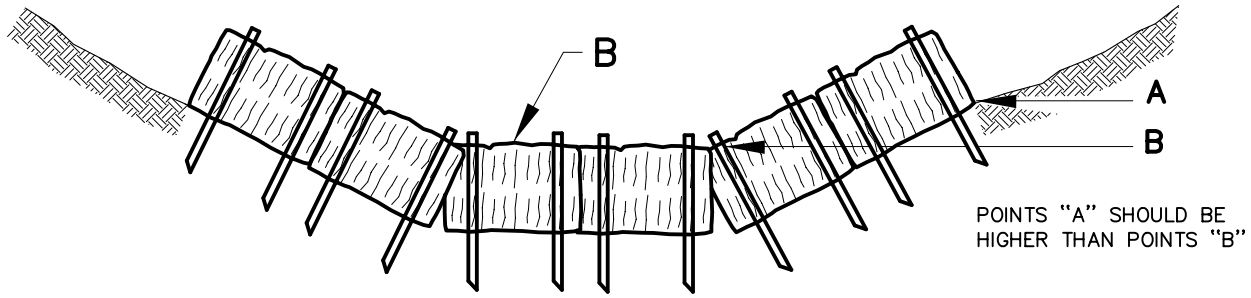
SD–41

Date:10/2011



PLAN

TO BE INSTALLED AT DRAINAGE DITCH OR BROOK CROSSINGS



ELEVATION

BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

HAY BALE SEDIMENT CHECK DAM

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

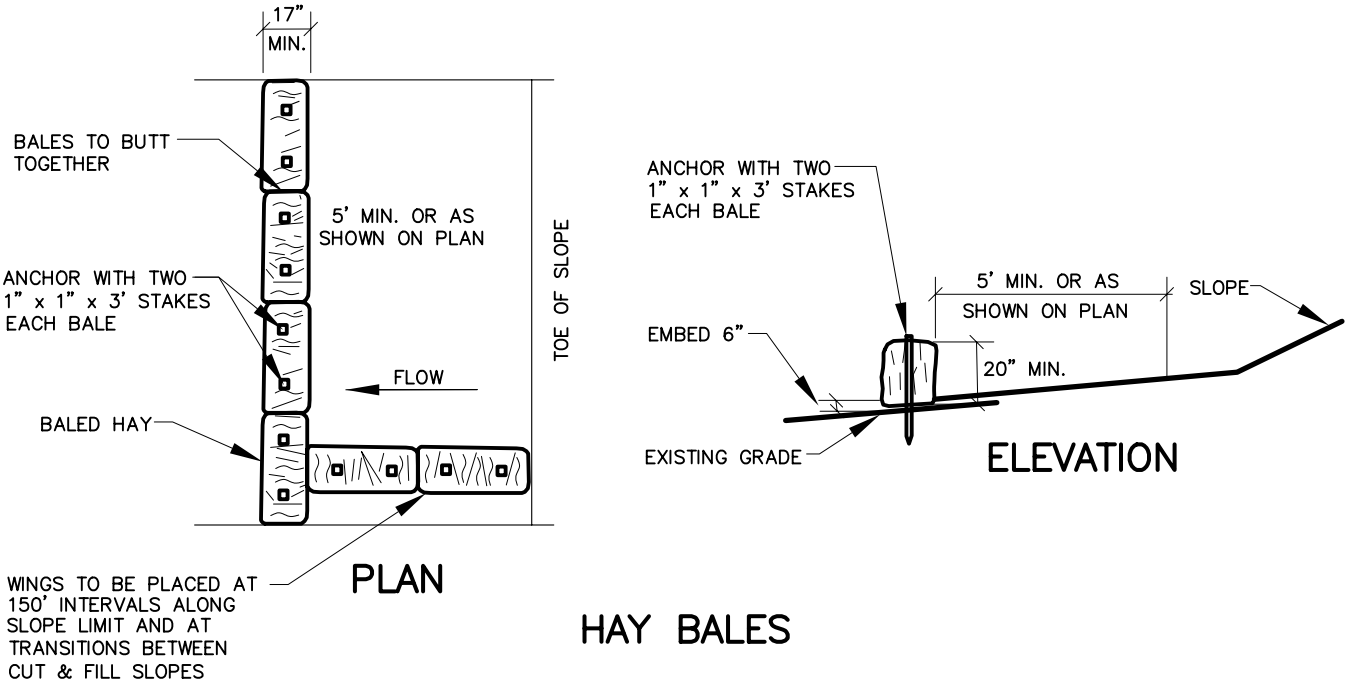
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

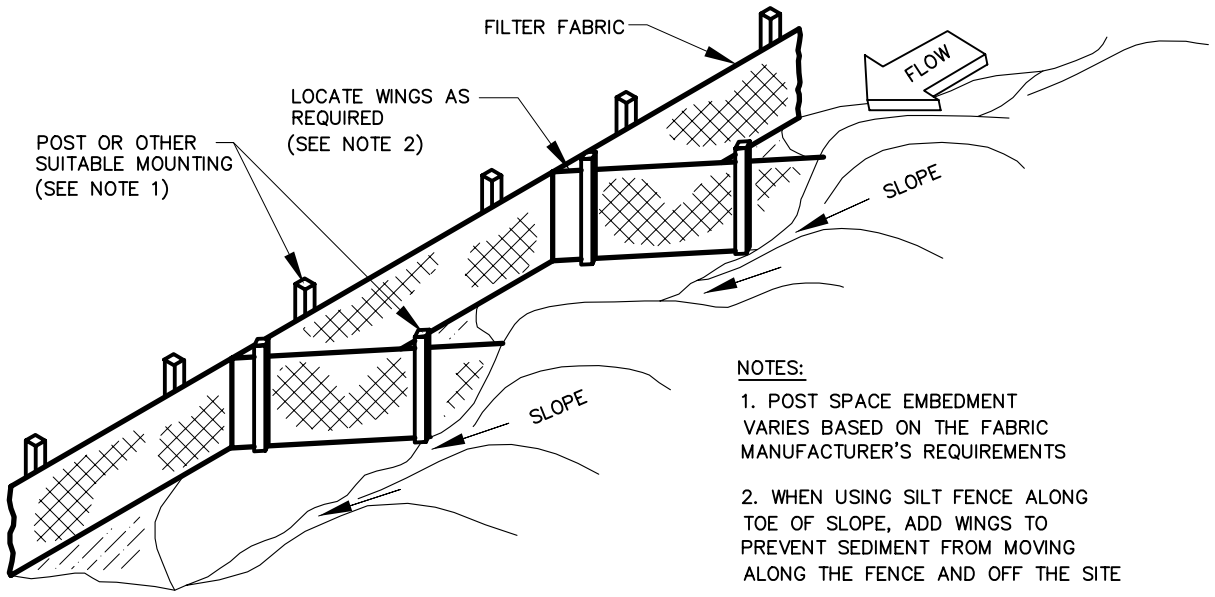
Drawing No.

SD-42

Date:10/2011



HAY BALES



NOTES:

1. POST SPACE EMBEDMENT VARIES BASED ON THE FABRIC MANUFACTURER'S REQUIREMENTS

2. WHEN USING SILT FENCE ALONG TOE OF SLOPE, ADD WINGS TO PREVENT SEDIMENT FROM MOVING ALONG THE FENCE AND OFF THE SITE

SIDE SECTION

BOROUGH OF NAUGATUCK INCORPORATED 1844 CONNECTICUT

SEDIMENT CONTROL SYSTEMS

Scale: NTS

Drawing No.

SD–68

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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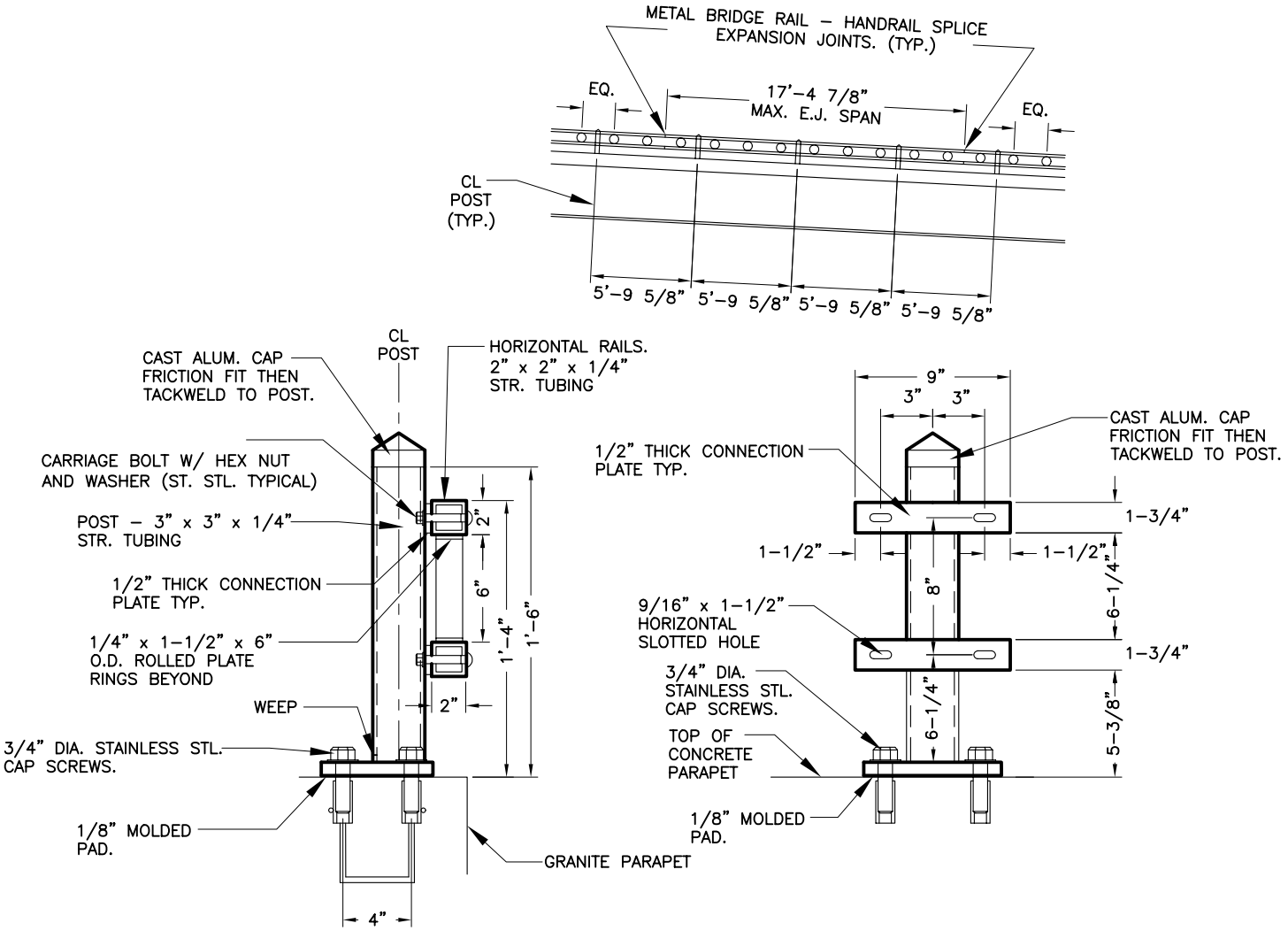
Date:10/2011



BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

BRIDGE RAIL

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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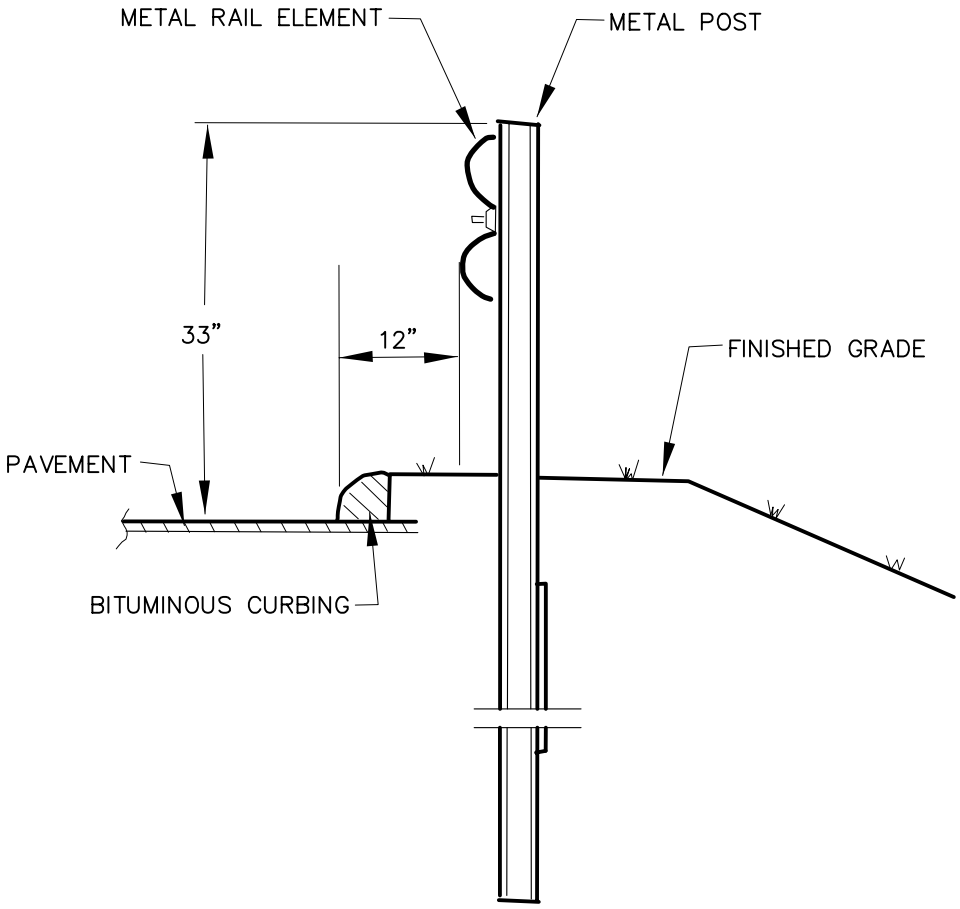
Scale: NTS

Drawing No.

SD–18

Date:10/2011



METAL BEAM RAIL

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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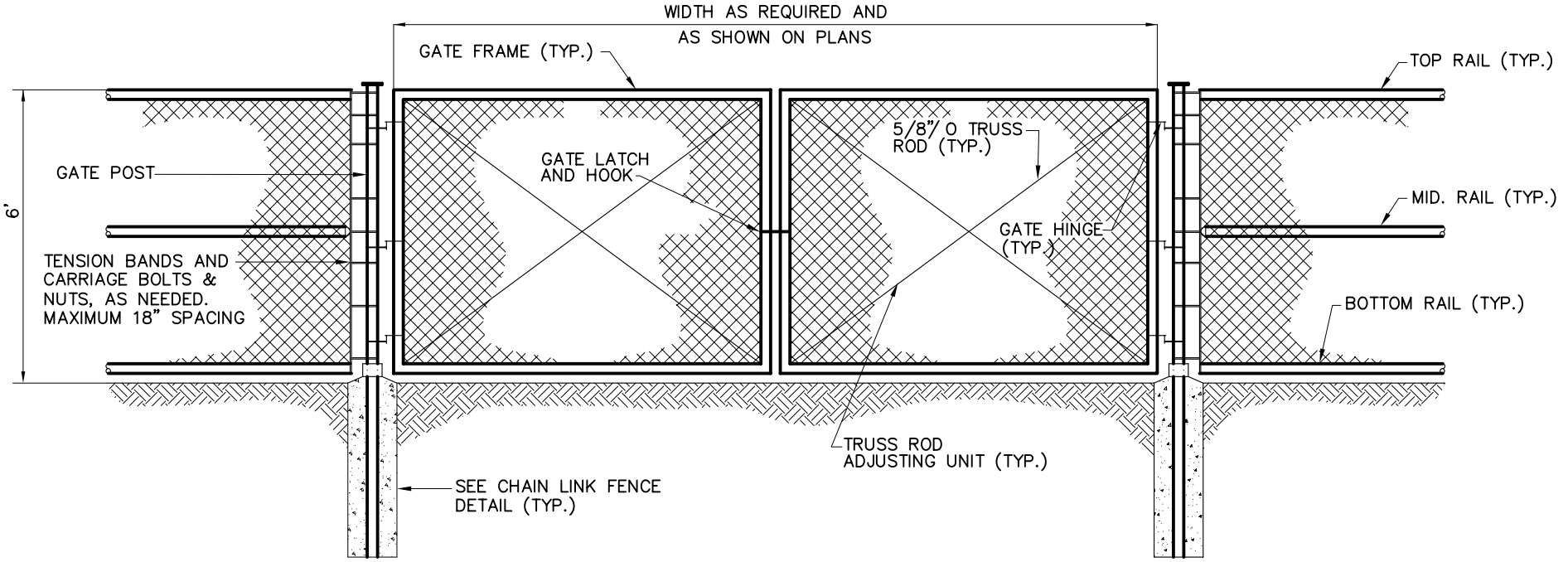
Scale: NTS

Drawing No.

SD-20

Date:10/2011



CHAIN LINK DOUBLE SWING GATE

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

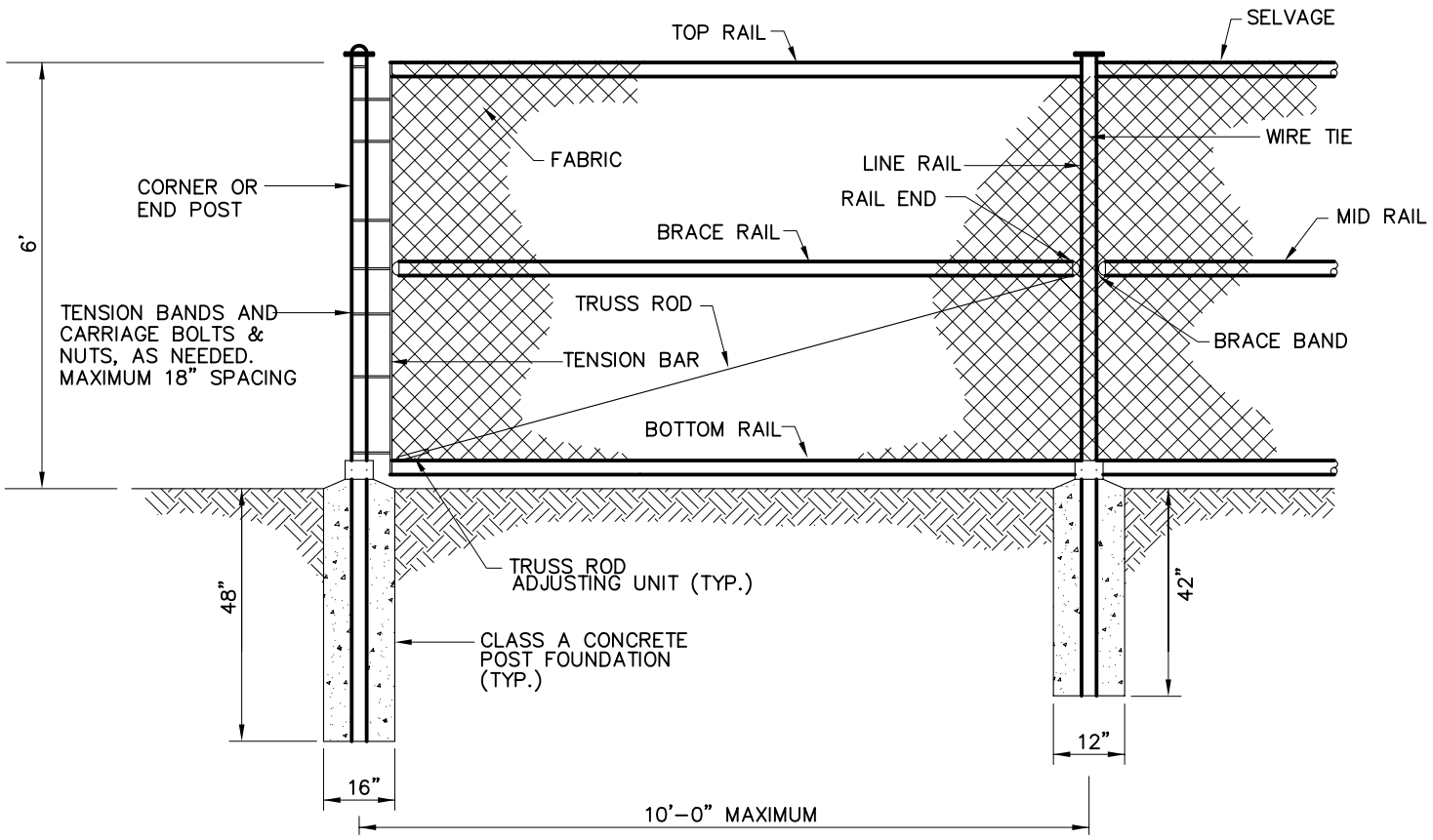
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-27

Date:10/2011



BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

CHAIN LINK FENCE

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

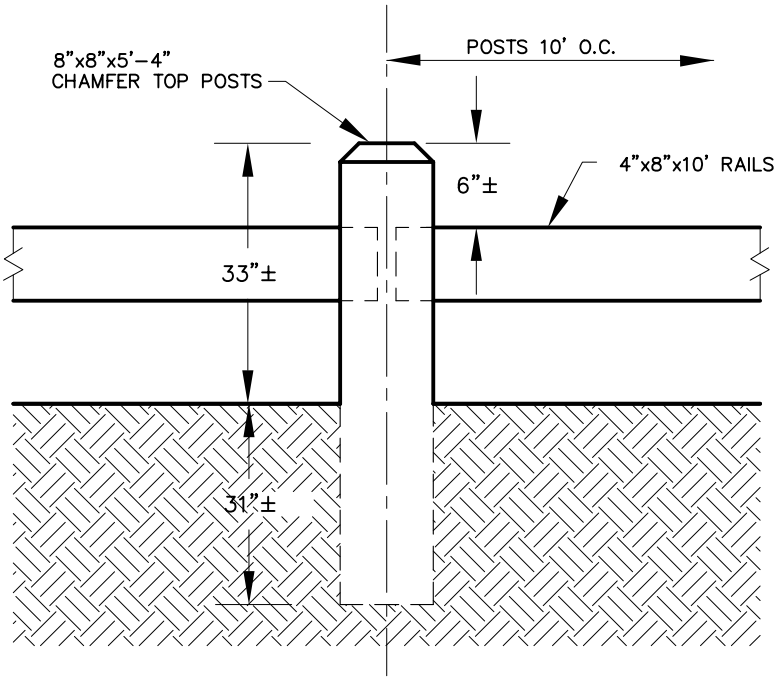
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-38

Date:10/2011



NOTE:
TIMBER TO BE .4 CCA
SOUTHERN YELLOW PINE

TIMBER GUIDERAIL

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

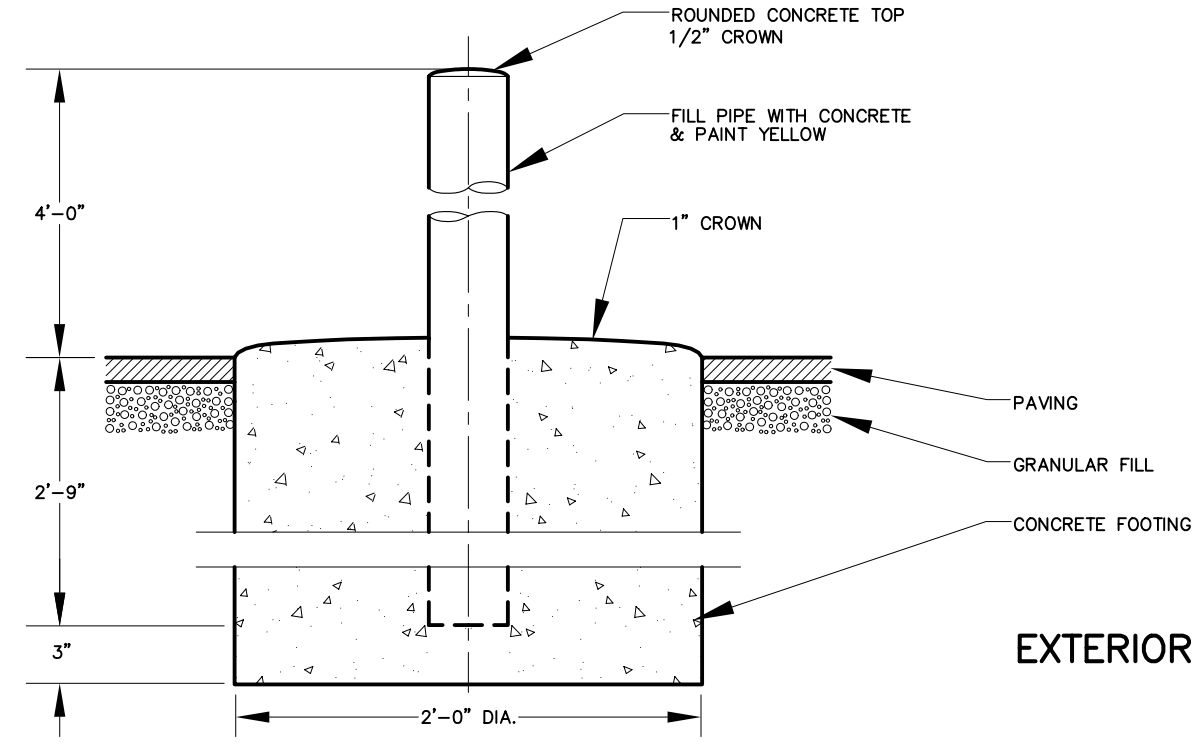
229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

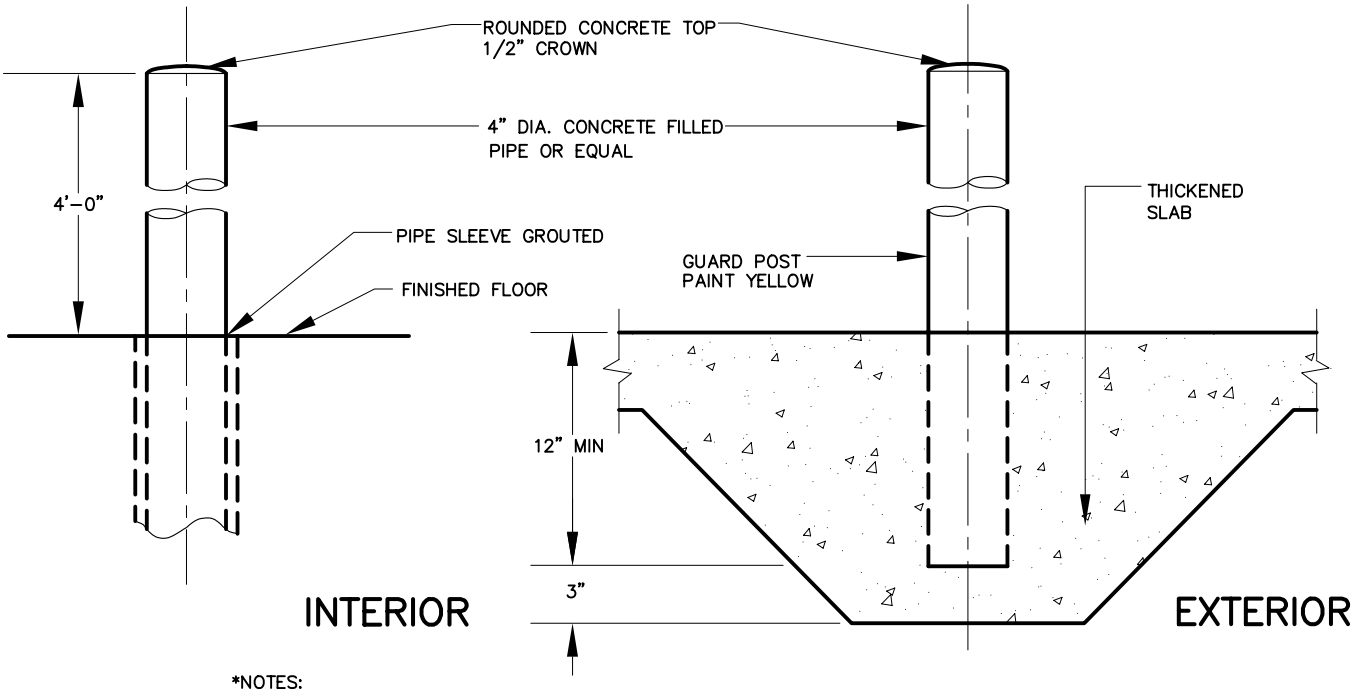
Scale: NTS

Drawing No.

SD-63

Date:10/2011





*NOTES:

1) DIAMETER AND MATERIAL FOR PIPES USED AS BOLLARDS SHOULD BE CHOSEN BASED ON VEHICULAR TRAFFIC IN THE BOLLARD AREA, AND THE LOADS LIKELY TO BE APPLIED.

BOROUGH OF NAUGATUCK
INCORPORATED 1844
CONNECTICUT

BOLLARD

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

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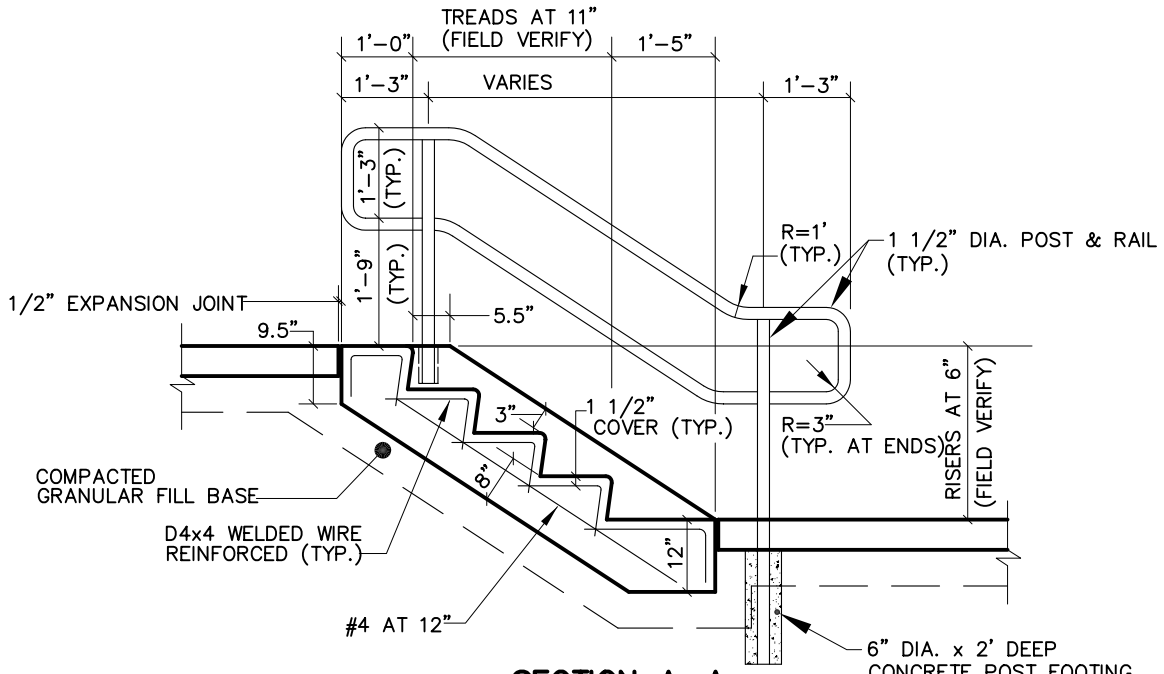
Scale: NTS

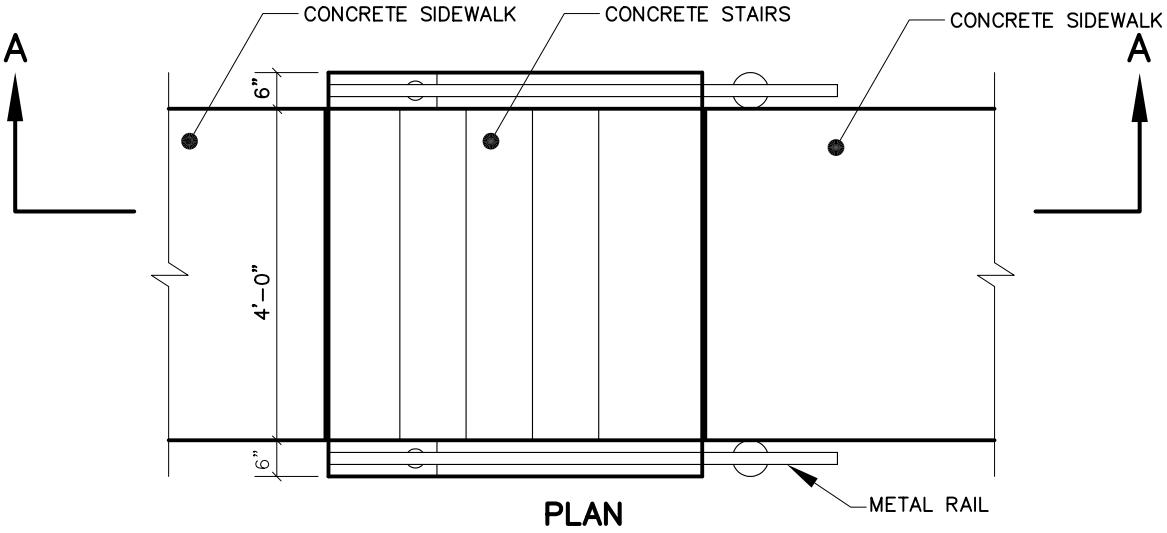
Drawing No.

SD-67

Date:10/2011



SECTION A–A



PLAN

CONCRETE STAIRS

BOROUGH OF NAUGATUCK
ENGINEERING DEPARTMENT
STANDARD DETAIL

229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov

Scale: NTS

Drawing No.

SD-69

Date:10/2011