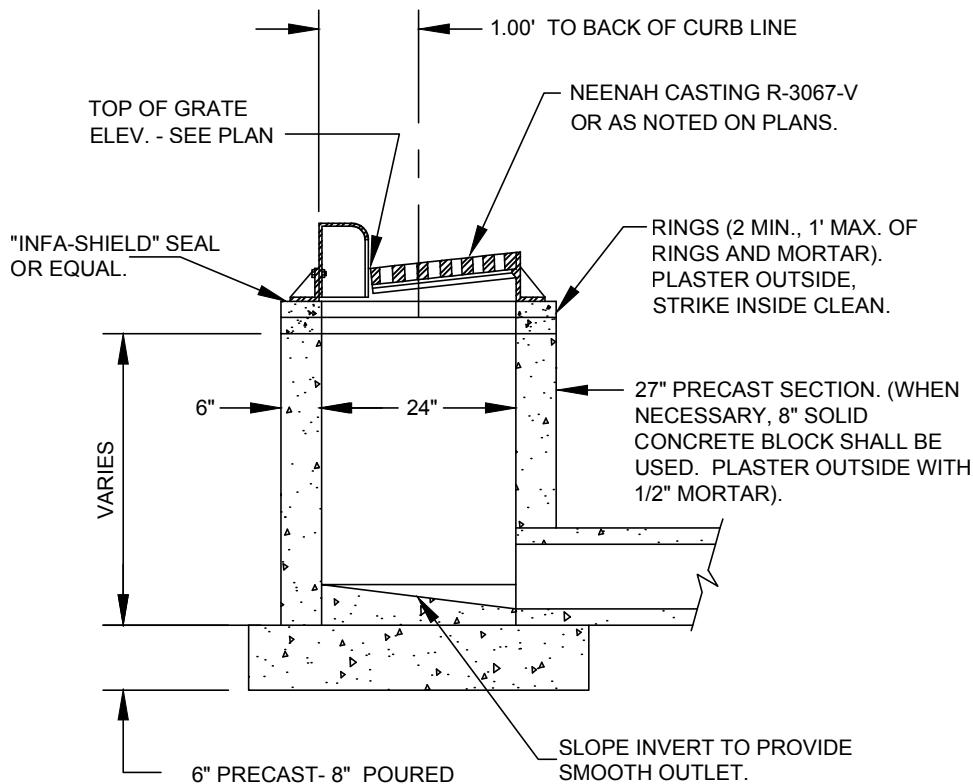
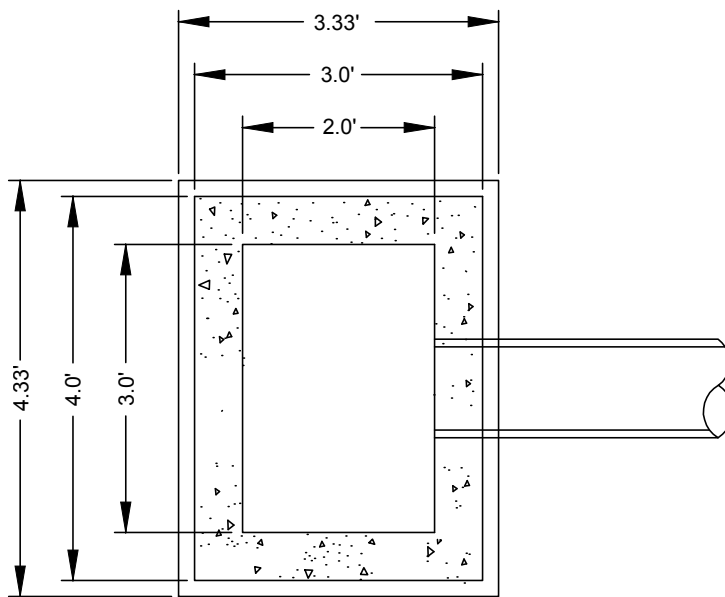




DESIGN:	DATE: 10/17/11
DRAWN:	
REVISIONS	

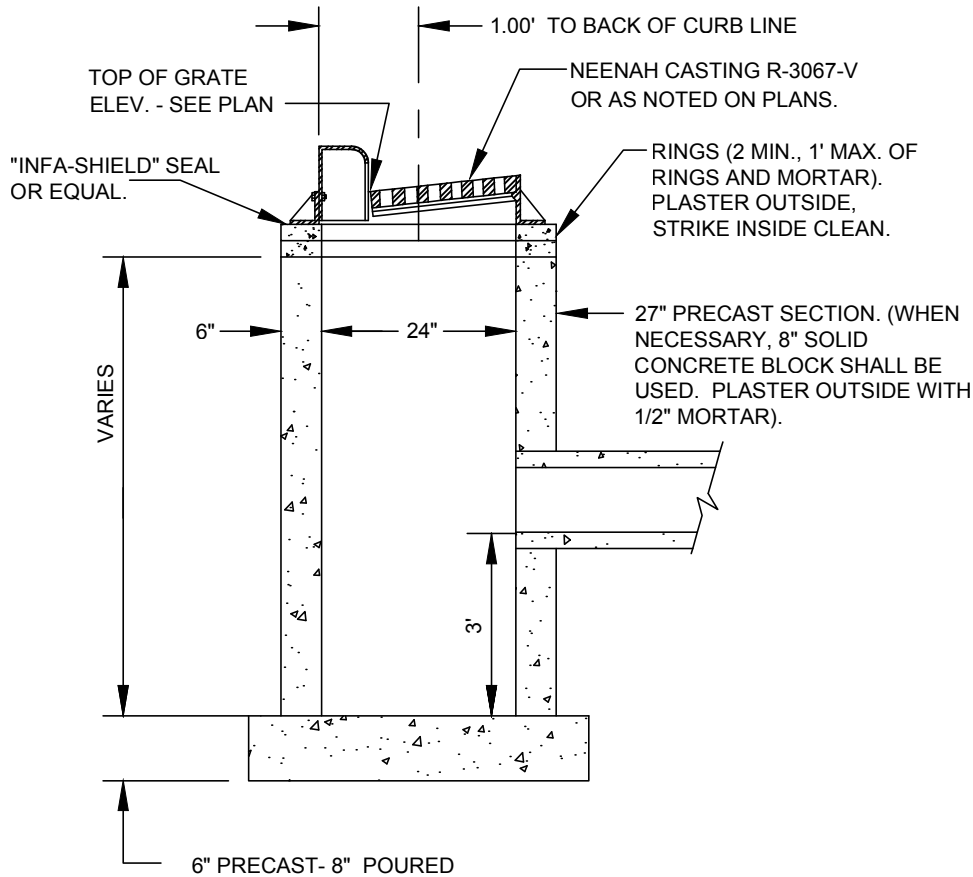
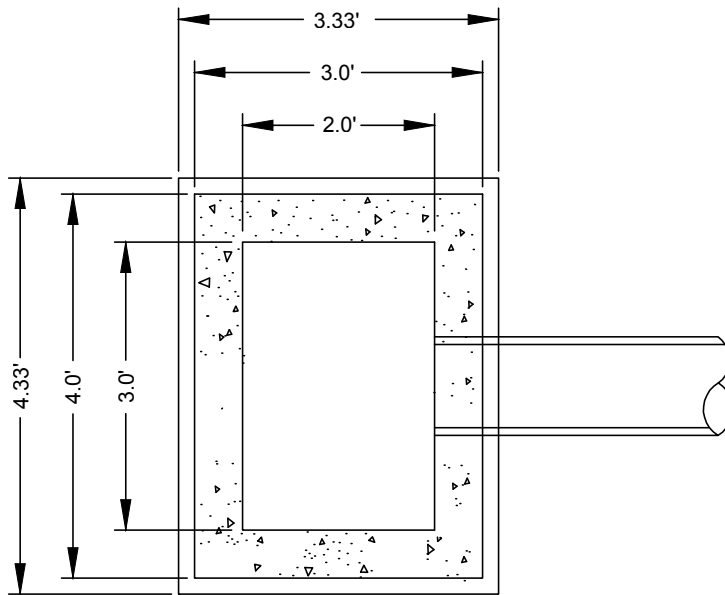


ENGINEERING DEPARTMENT

CATCH BASIN

PLATE
NUMBER

ST-1



DESIGN:	DATE: 2/24/15
DRAWN:	
REVISIONS	

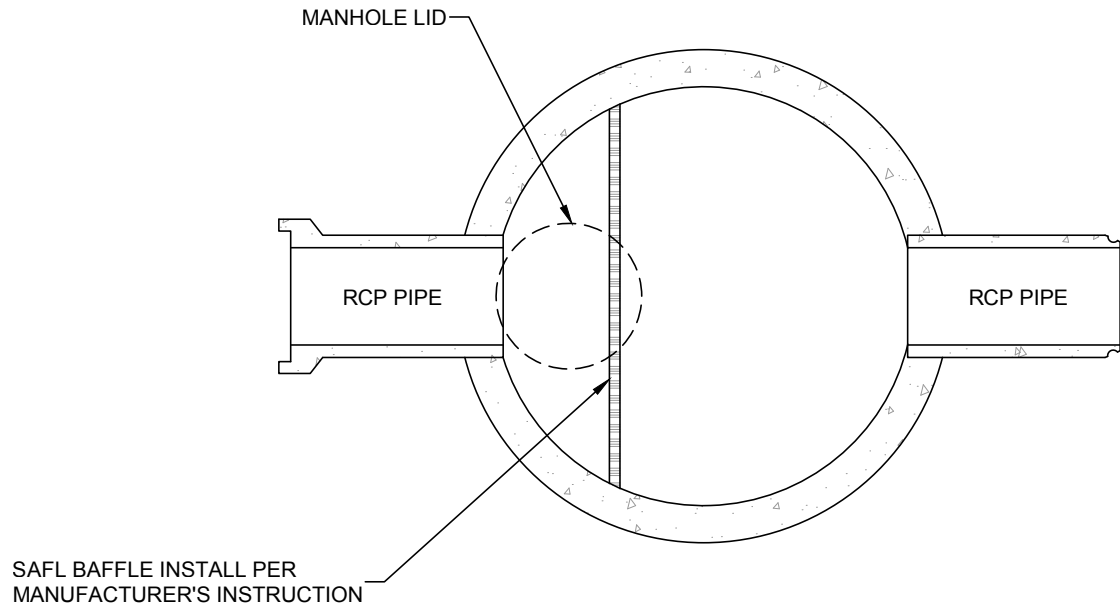


ENGINEERING DEPARTMENT

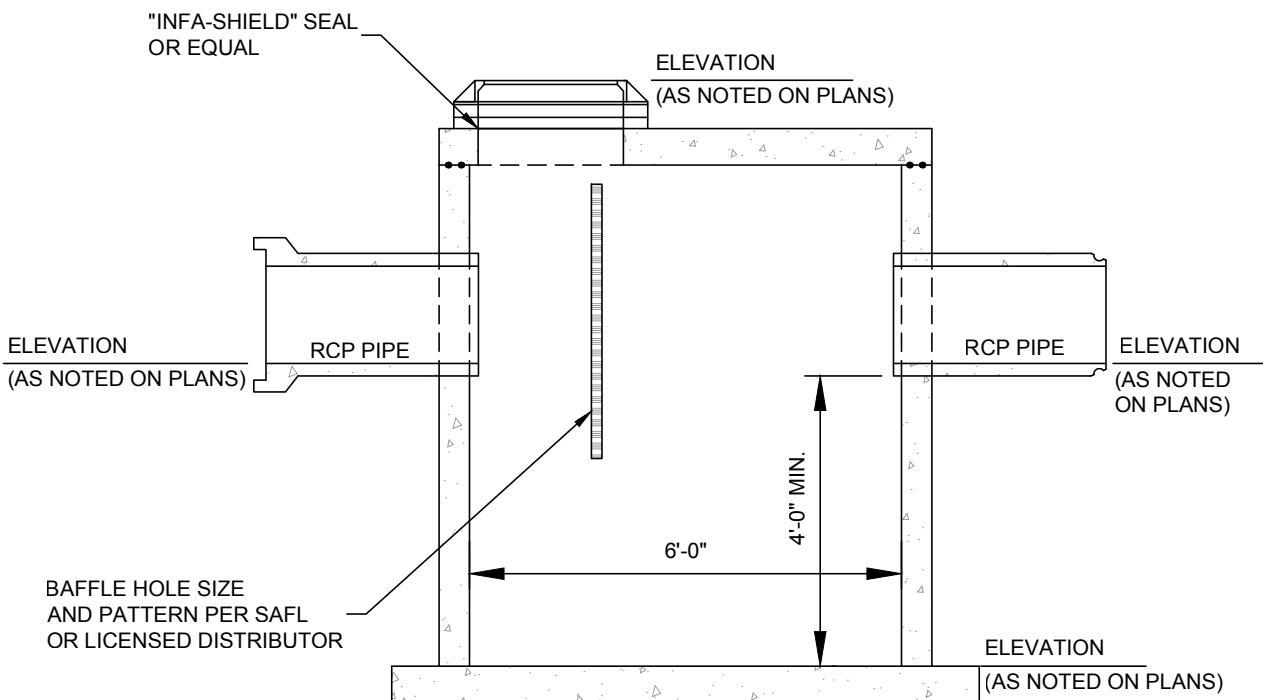
CATCH BASIN WITH SUMP

PLATE
NUMBER

ST-2



TOP VIEW



PROFILE

DESIGN:	DATE:
DRAWN:	
REVISIONS	12/15

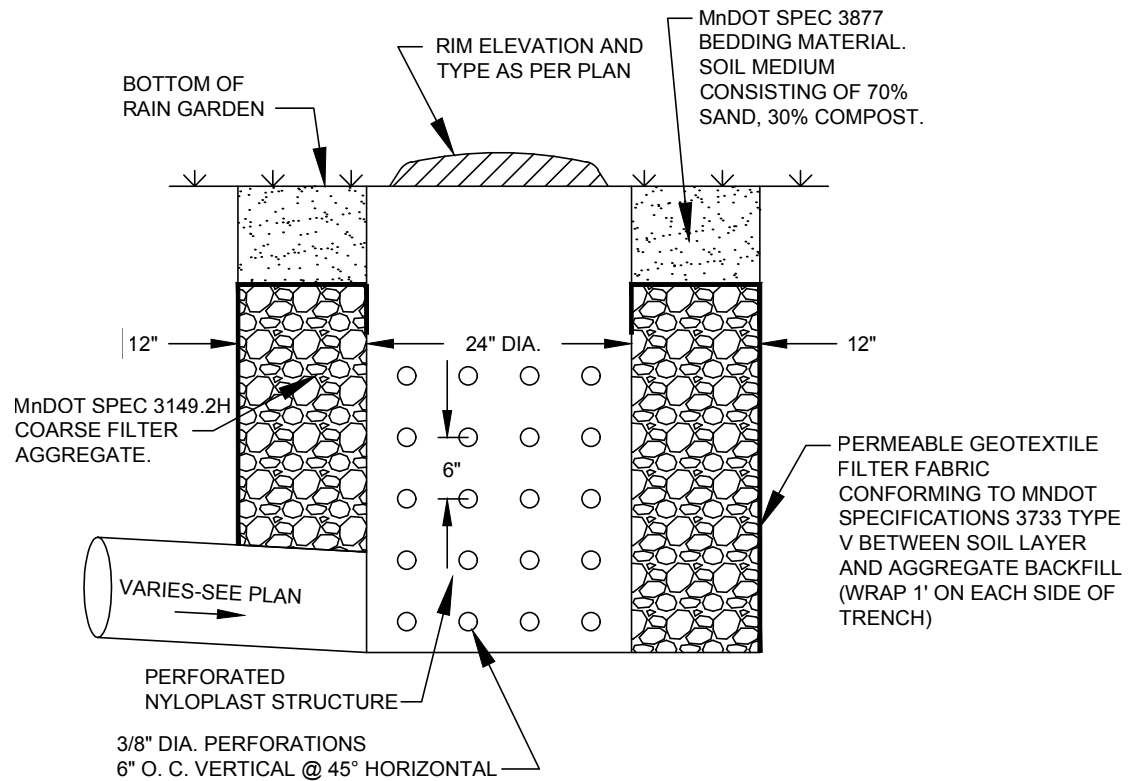


ENGINEERING DEPARTMENT

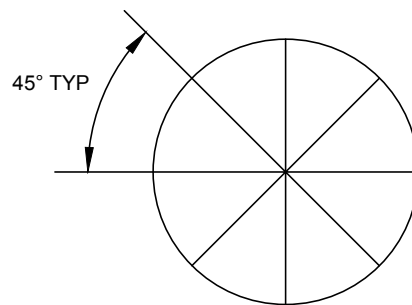
BAFFLE STRUCTURE

PLATE
NUMBER

ST-3



SECTION A-A



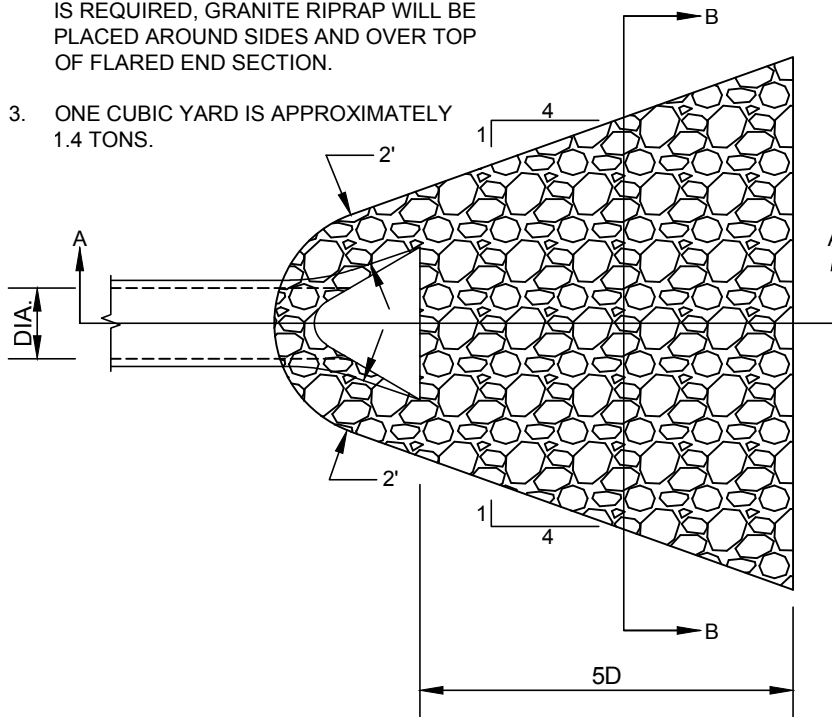
TOP VIEW

DESIGN:	DATE:	 ENGINEERING DEPARTMENT PERFORATED STRUCTURE	PLATE NUMBER	
DRAWN:				
REVISIONS			ST-4	

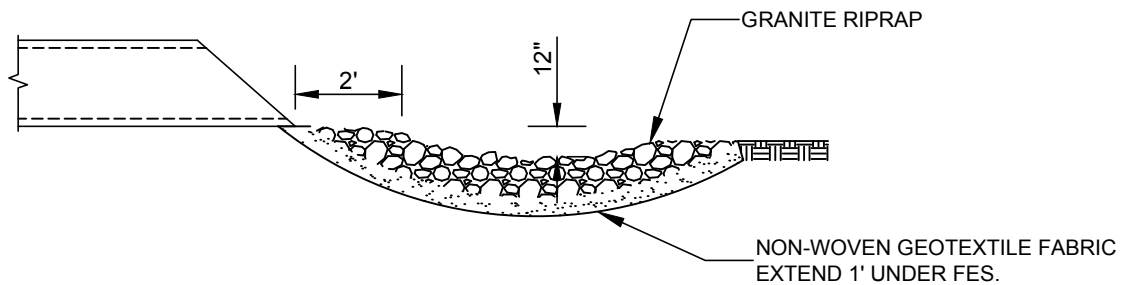
NOTES:

1. INSTALL TRASH GUARD ON ALL FLARED END SECTIONS 24" DIA. AND LARGER.
2. UNLESS OTHER FORM OF DISSIPATION IS REQUIRED, GRANITE RIPRAP WILL BE PLACED AROUND SIDES AND OVER TOP OF FLARED END SECTION.
3. ONE CUBIC YARD IS APPROXIMATELY 1.4 TONS.

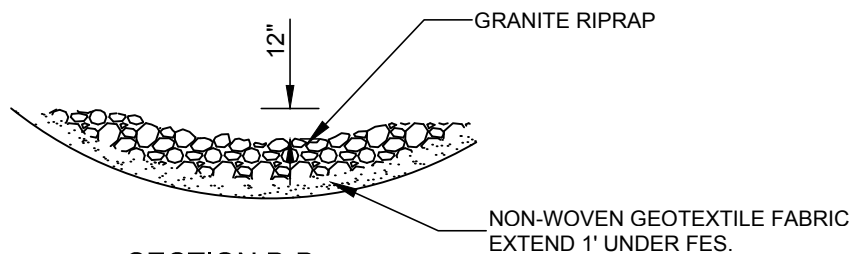
MINIMUM RIPRAP REQUIRED			
PIPE DIA. (IN.)	LENGTH (FT.)	QUANTITY (CY.)	CLASS
12	8	5	3
15	8	5	3
18	10	6	3
24	12	8	3
30	14	12	3
36	16	14	3
42	18	22	4
48	20	26	4
>48	22-28	30-40	4



PLAN



SECTION A-A



SECTION B-B

DESIGN:	DATE: 12/2/15
DRAWN: DRT	
REVISIONS	

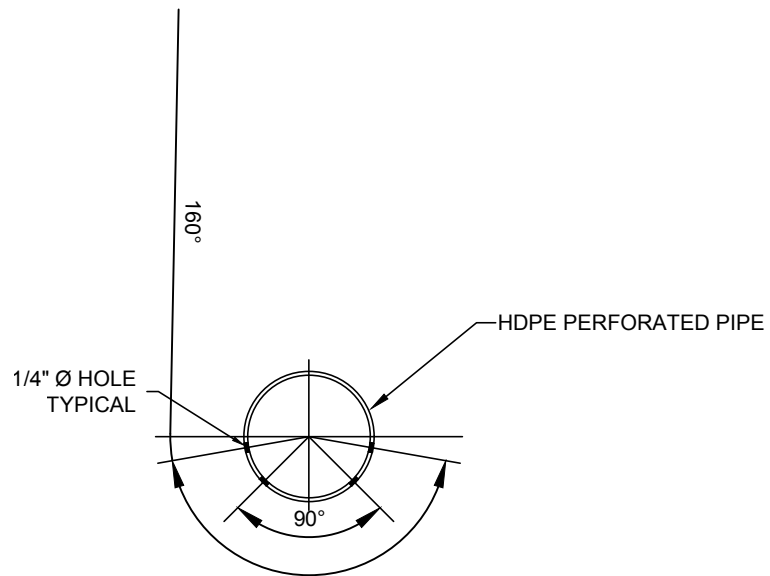


ENGINEERING DEPARTMENT

RIPRAP PLACEMENT AT FLARED END SECTIONS

PLATE
NUMBER

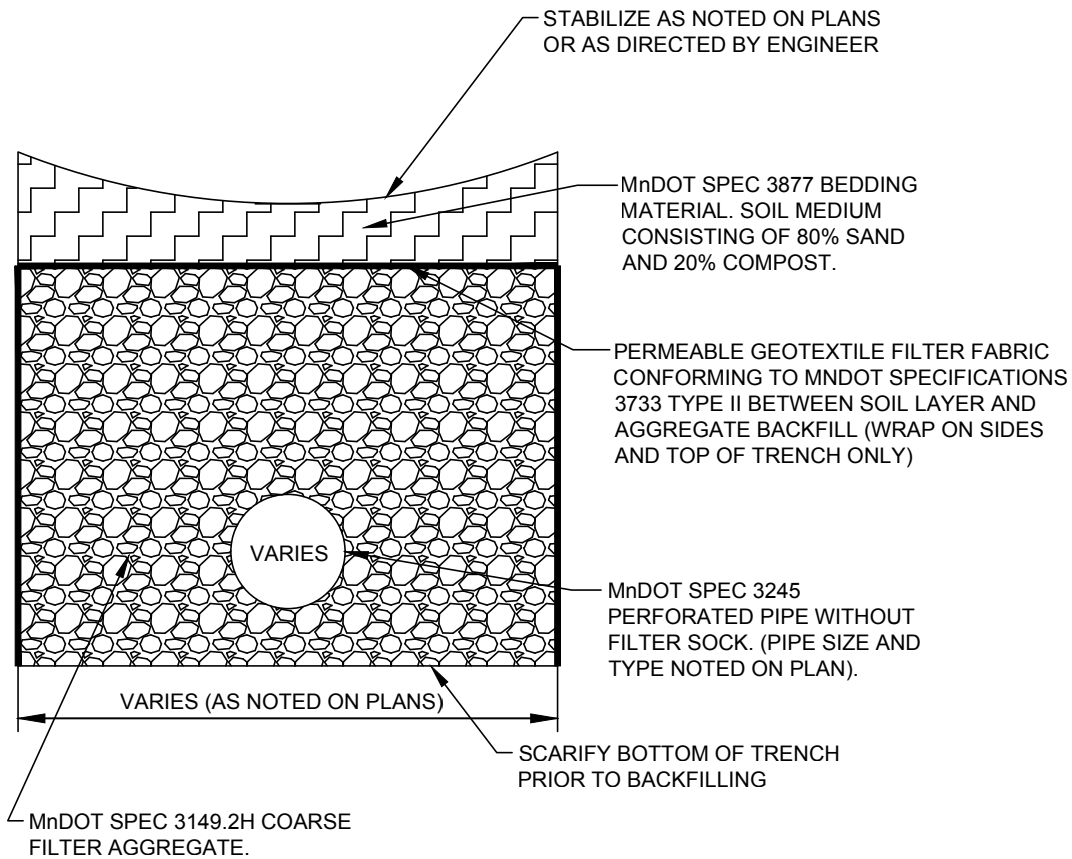
ST-5



DESIGN:	DATE:	 ROSEVILLE ENGINEERING DEPARTMENT	PLATE NUMBER	
DRAWN:			ST-6	
REVISIONS				

PERFORATED PIPE DETAIL

NOTES:
 1. GRADING OF THE INFILTRATION AREAS SHALL BE ACCOMPLISHED USING LOW IMPACT EARTH MOVING EQUIPMENT TO PREVENT COMPACTION OF THE UNDERLYING SOILS.



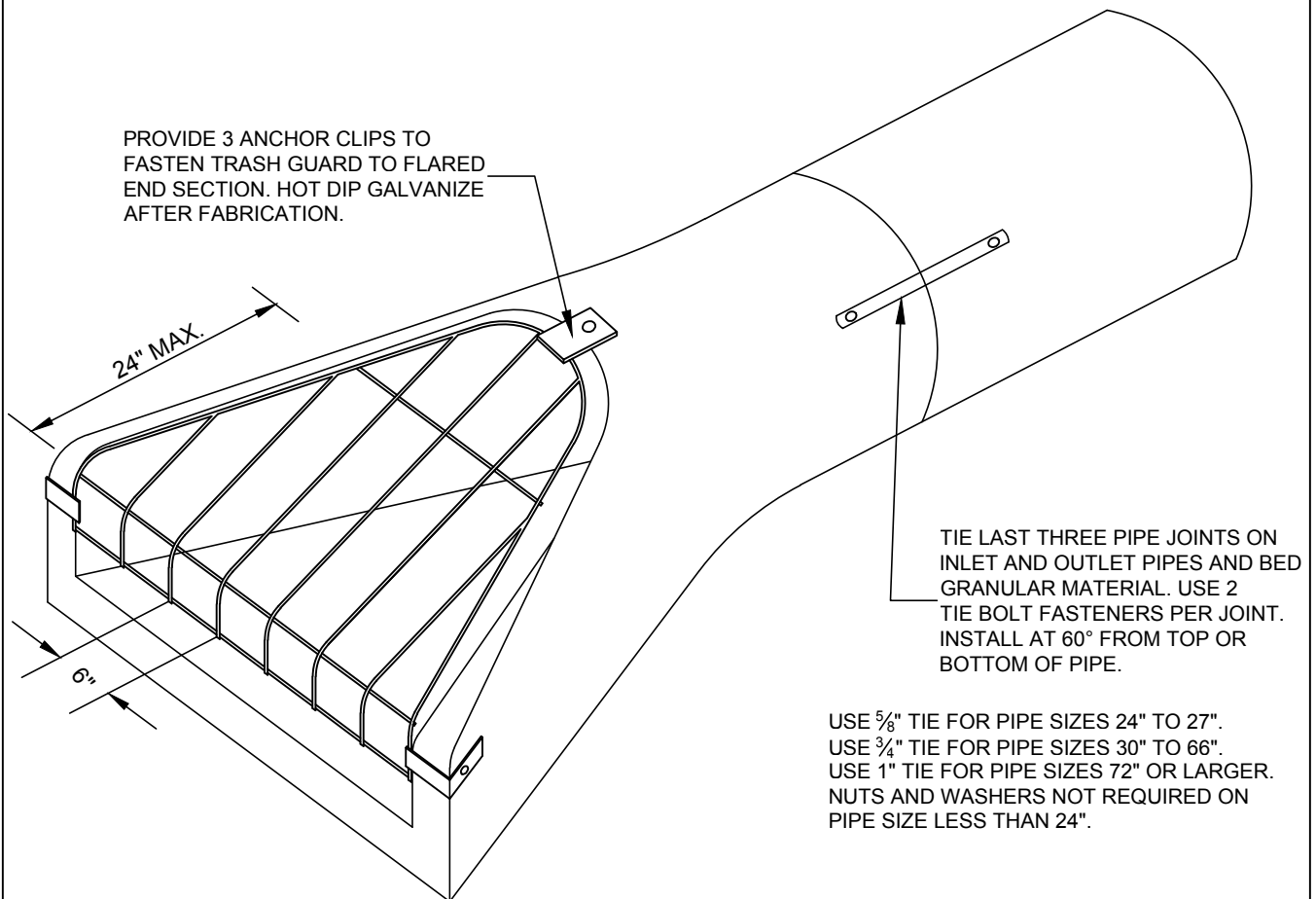
DESIGN:	DATE:	 ENGINEERING DEPARTMENT	PLATE NUMBER	
DRAWN:			ST-7	
REVISIONS				

PERFORATED PIPE TRENCH DETAIL

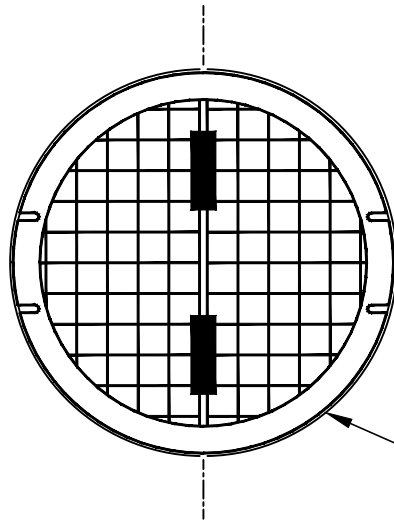
ST-8

NOTES:

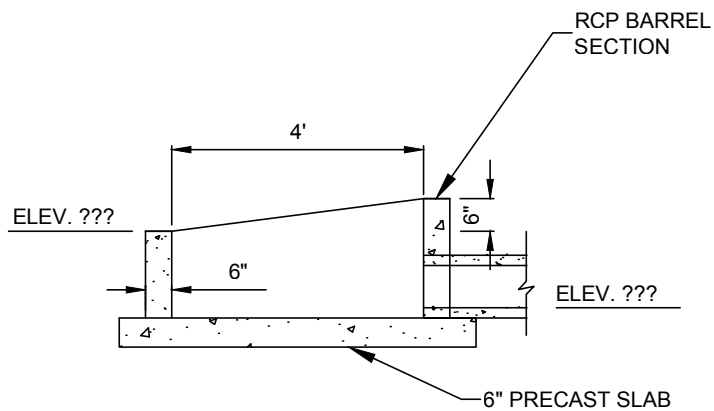
1. INSTALL TRASH GUARD ON ALL FLARED END SECTIONS 24" DIA. AND LARGER.
2. UNLESS OTHER FORM OF DISSIPATION IS REQUIRED, GRANITE RIPRAP WILL BE PLACED AROUND SIDES AND OVER TOP OF FLARED END SECTION. SEE DETAIL PLATE ST-13.



DESIGN:	DATE: 12/2/15	 ENGINEERING DEPARTMENT	PLATE NUMBER
DRAWN: DRT			
REVISIONS			
FLARED END SECTION			ST-9



GALVANIZED GRATE IN 2 SECTIONS
PS48-58H MANUFACTURED BY
HAALA INDUSTRIES OR EQUAL.



DESIGN:	DATE:
DRAWN:	
REVISIONS	



ENGINEERING DEPARTMENT

STANDARD OVERFLOW STRUCTURE WITH GRATE

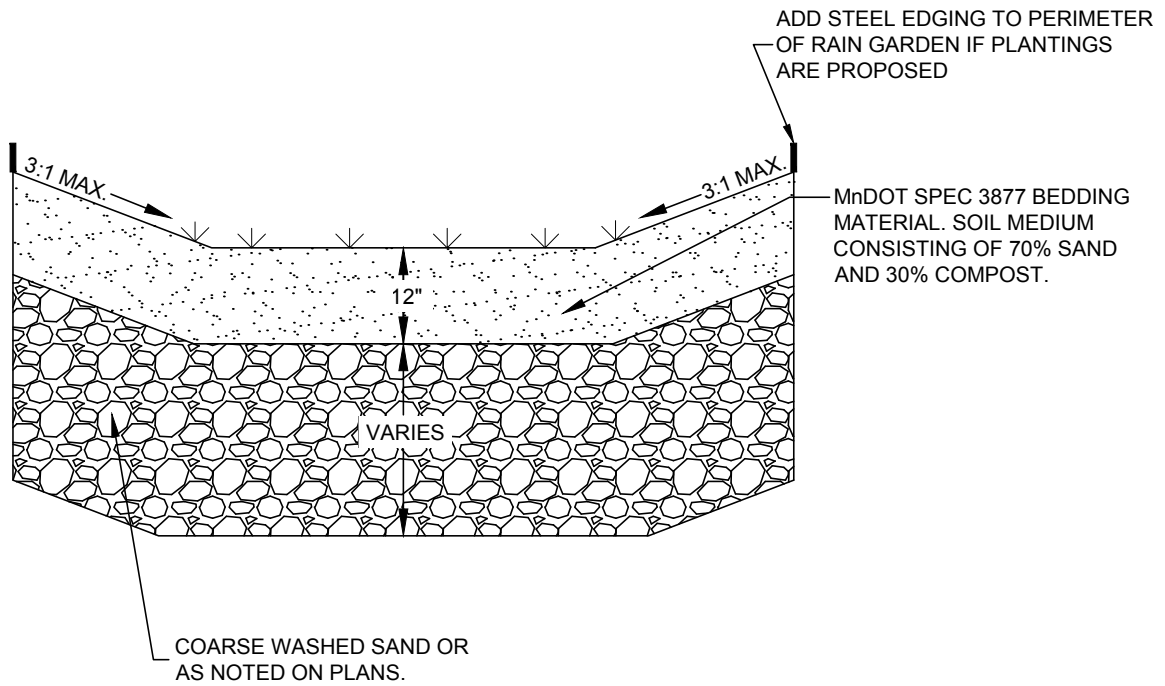
PLATE
NUMBER

ST-10

NOTES:

1. GRADING OF THE INFILTRATION AREAS SHALL BE ACCOMPLISHED USING LOW IMPACT EARTH MOVING EQUIPMENT TO PREVENT COMPACTION OF THE UNDERLYING SOILS.

2. SEED OR SOD INFILTRATION AREAS AS DIRECTED BY THE ENGINEER. IF SEEDED, COVER SEED WITH S150 BN BLANKET.



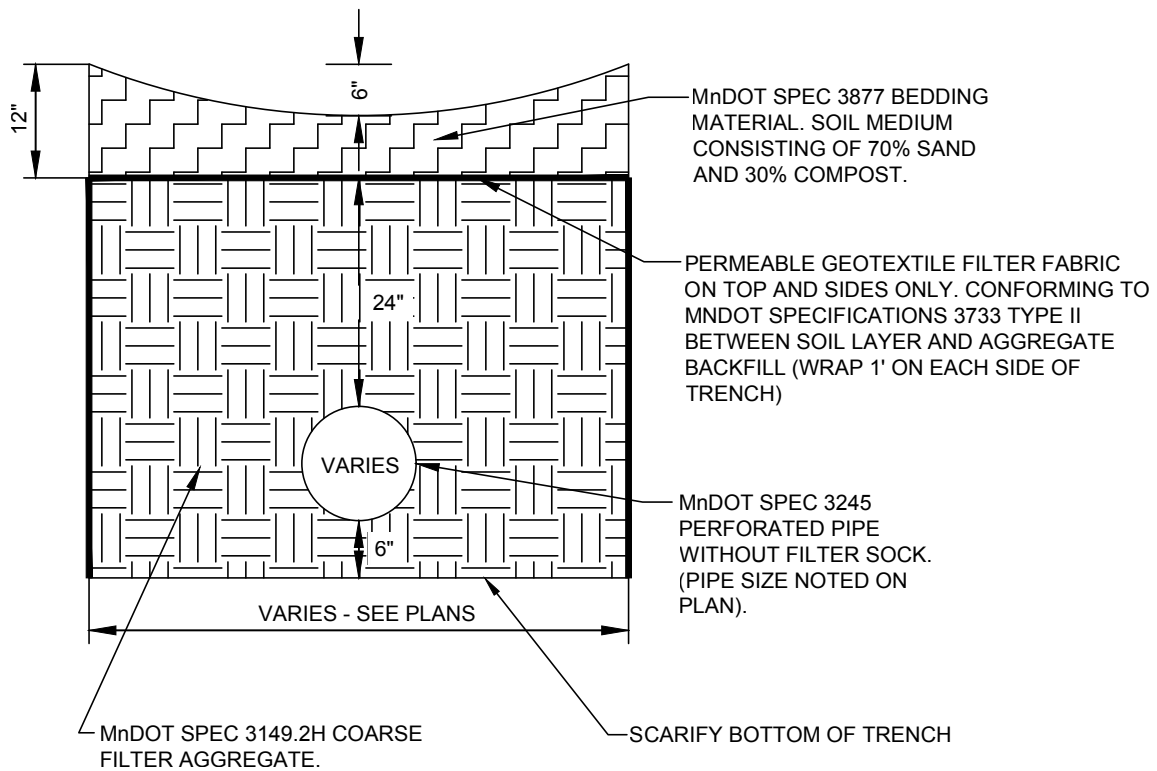
DESIGN:	DATE:	 ENGINEERING DEPARTMENT	PLATE NUMBER
DRAWN:			
REVISIONS	12/15		ST-11

RAIN GARDEN DETAIL

NOTES:

1. GRADING OF THE INFILTRATION AREAS SHALL BE ACCOMPLISHED USING LOW IMPACT EARTH MOVING EQUIPMENT TO PREVENT COMPACTION OF THE UNDERLYING SOILS.

2. SEED OR SOD INFILTRATION AREAS AS DIRECTED BY THE ENGINEER.

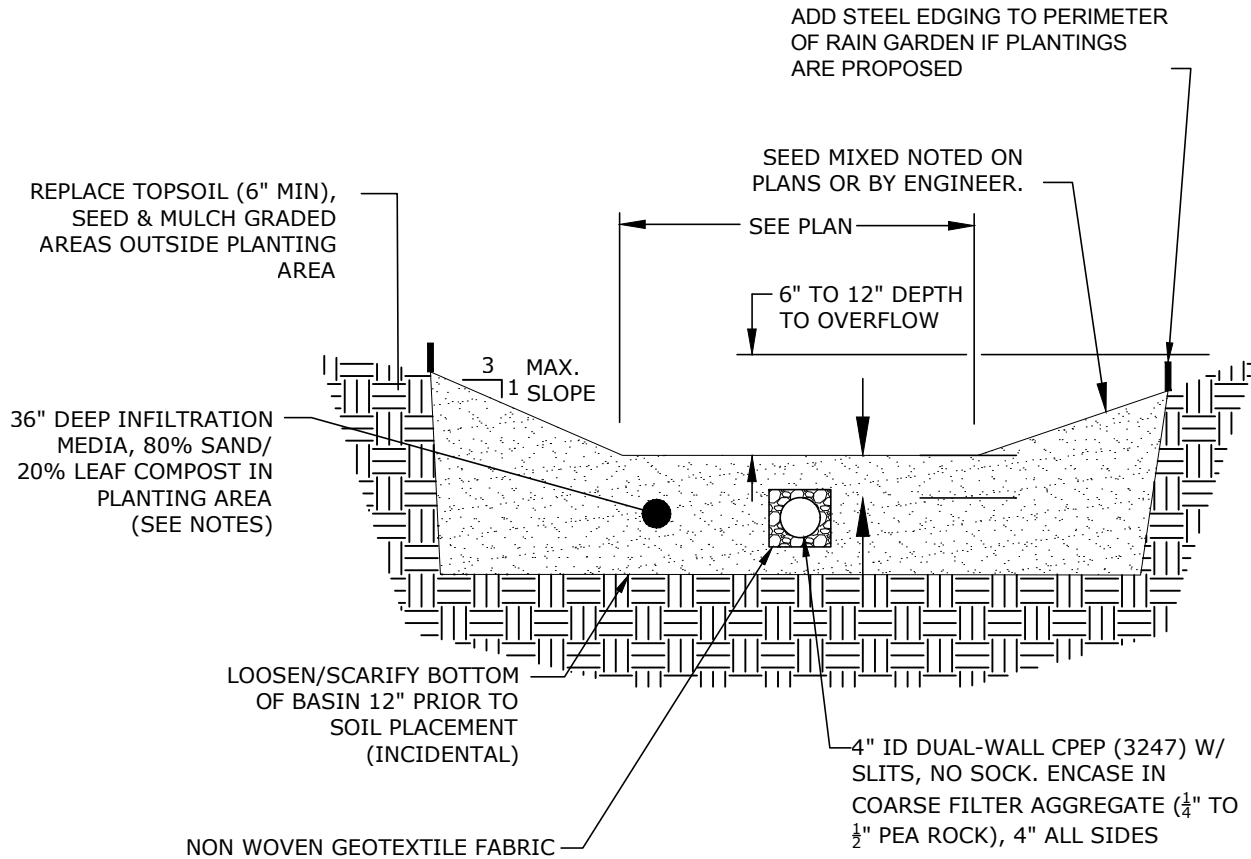


DESIGN:	DATE:	 ENGINEERING DEPARTMENT BIOFILTRATION TRENCH DETAIL	PLATE NUMBER	
DRAWN:			ST-12	
REVISIONS				

NOTES:

1. GRADING OF THE INFILTRATION AREAS SHALL BE ACCOMPLISHED USING LOW IMPACT EARTH MOVING EQUIPMENT TO PREVENT COMPACTION OF THE UNDERLYING SOILS.

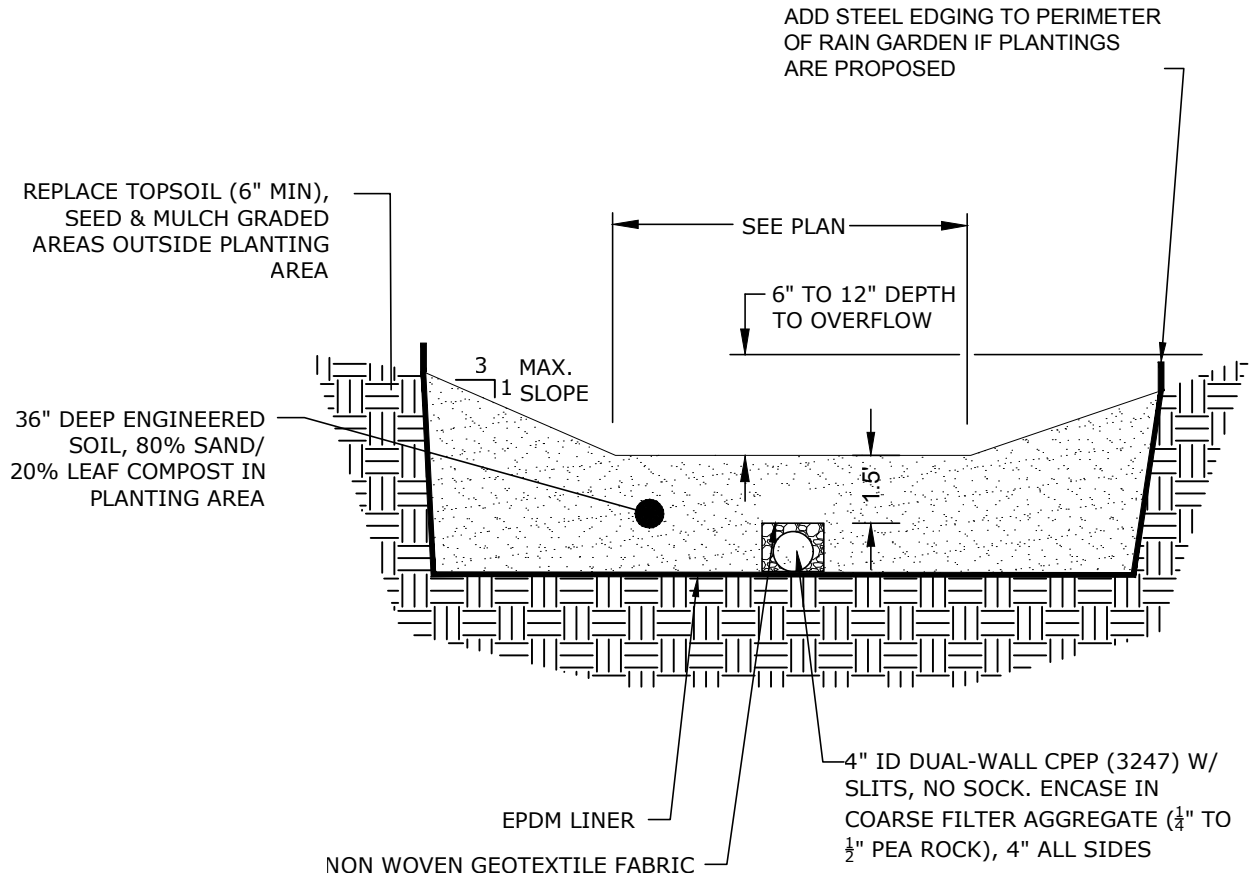
2. SEED OR SOD INFILTRATION AREAS AS DIRECTED BY THE ENGINEER. IF SEEDED, COVER SEED WITH S150 BN BLANKET.



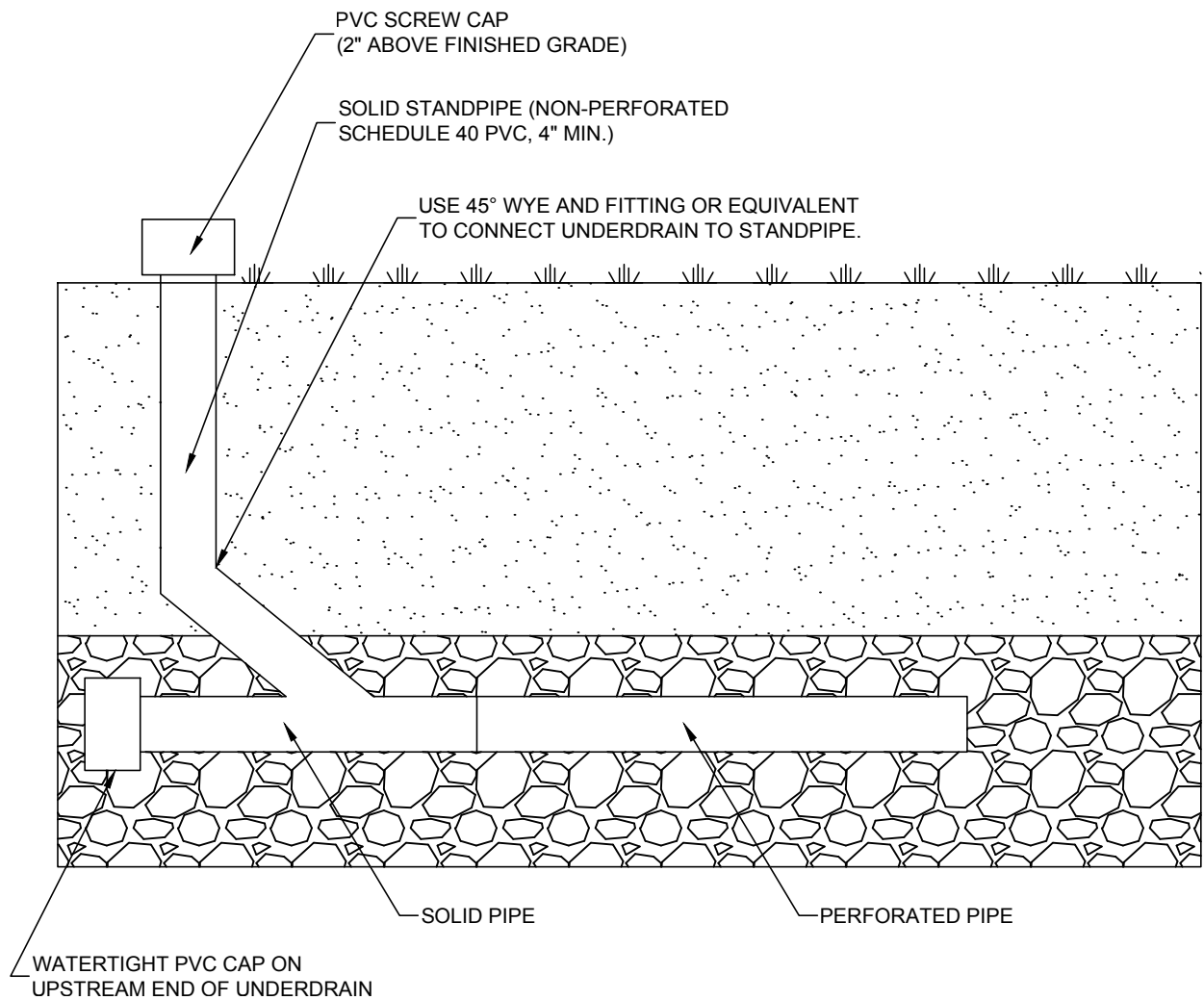
DESIGN:	DATE:	 ENGINEERING DEPARTMENT	PLATE NUMBER
DRAWN:			
REVISIONS	12/15		ST-13

BIOFILTRATION BASIN

NOTES:
 1. SEED, SOD OR BLANKET BASIN AS DIRECTED BY THE ENGINEER. IF SEEDED, COVER SEED WITH S150 BN BLANKET.

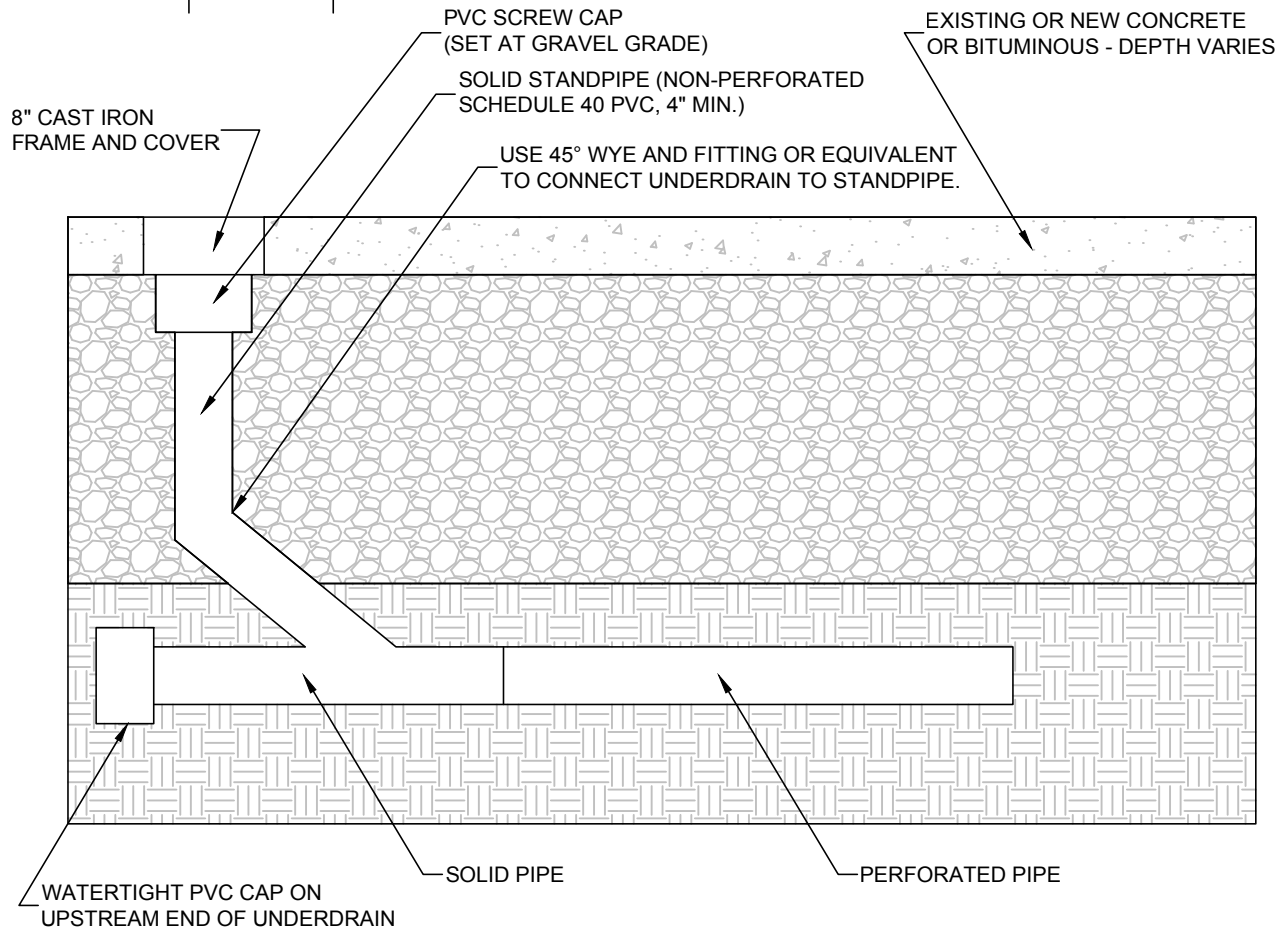
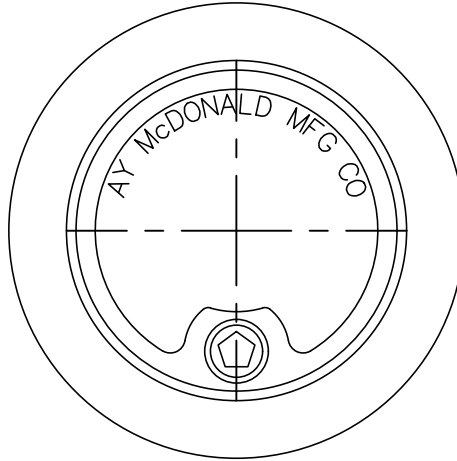
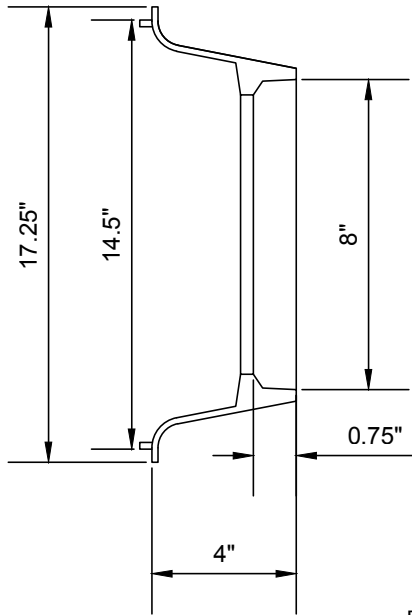


DESIGN:	DATE:	 ENGINEERING DEPARTMENT BIOFILTRATION BASIN WITH LINER	PLATE NUMBER	
DRAWN:			ST-14	
REVISIONS	04/16			



DESIGN:	DATE:	 ENGINEERING DEPARTMENT		PLATE NUMBER
DRAWN: DRT				ST-15
REVISIONS	06/16			

DRAINTILE CLEANOUT



DESIGN:	DATE: 12/20/17
DRAWN: DRT	
REVISIONS	12/20

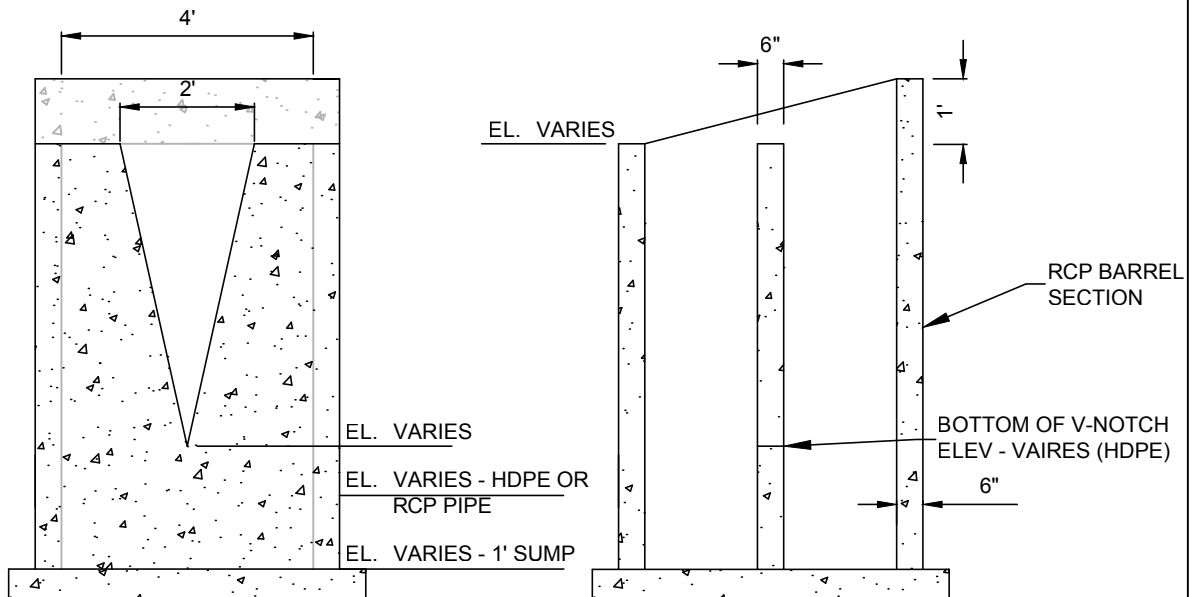
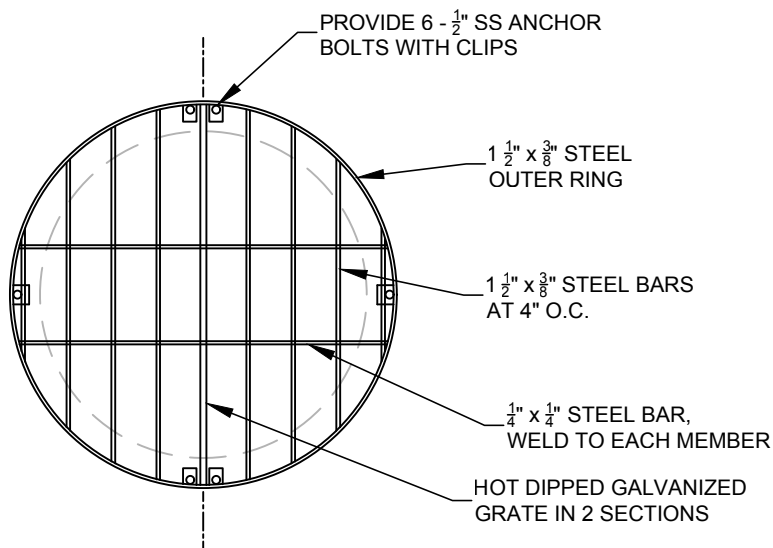


ENGINEERING DEPARTMENT

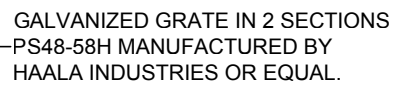
DRAINTILE CLEANOUT WITH COVER

PLATE
NUMBER

ST-16

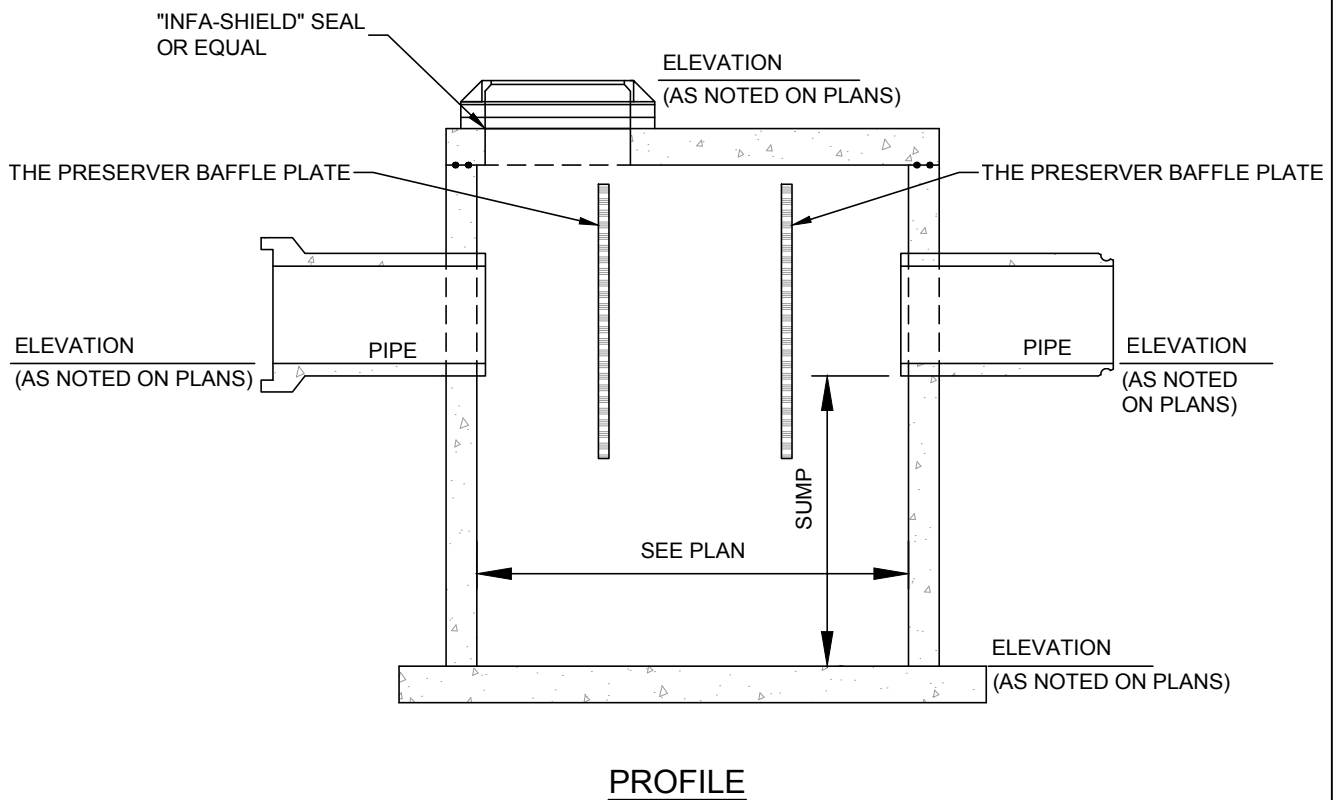
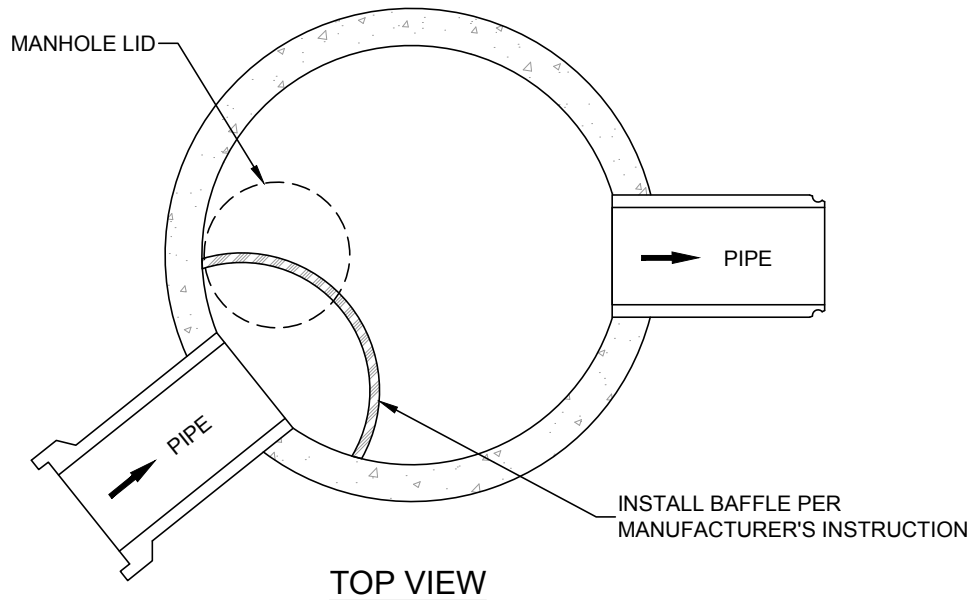


DESIGN:	DATE:	 ENGINEERING DEPARTMENT STANDARD OVERFLOW STRUCTURE WITH V-NOTCH WEIR	PLATE NUMBER	
DRAWN:				
REVISIONS				
			ST-17	

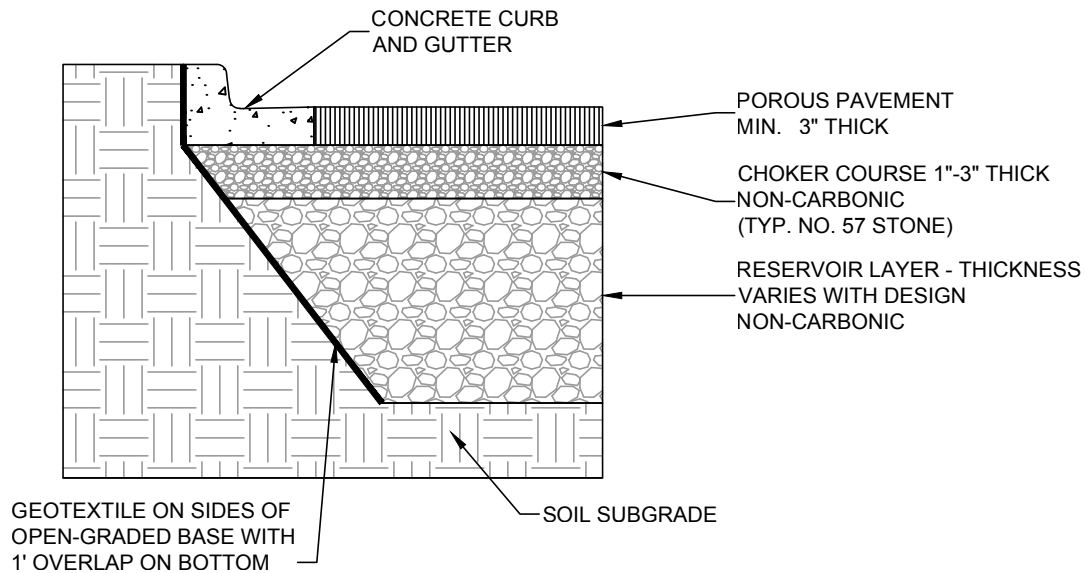


EXISTING
15" RCP

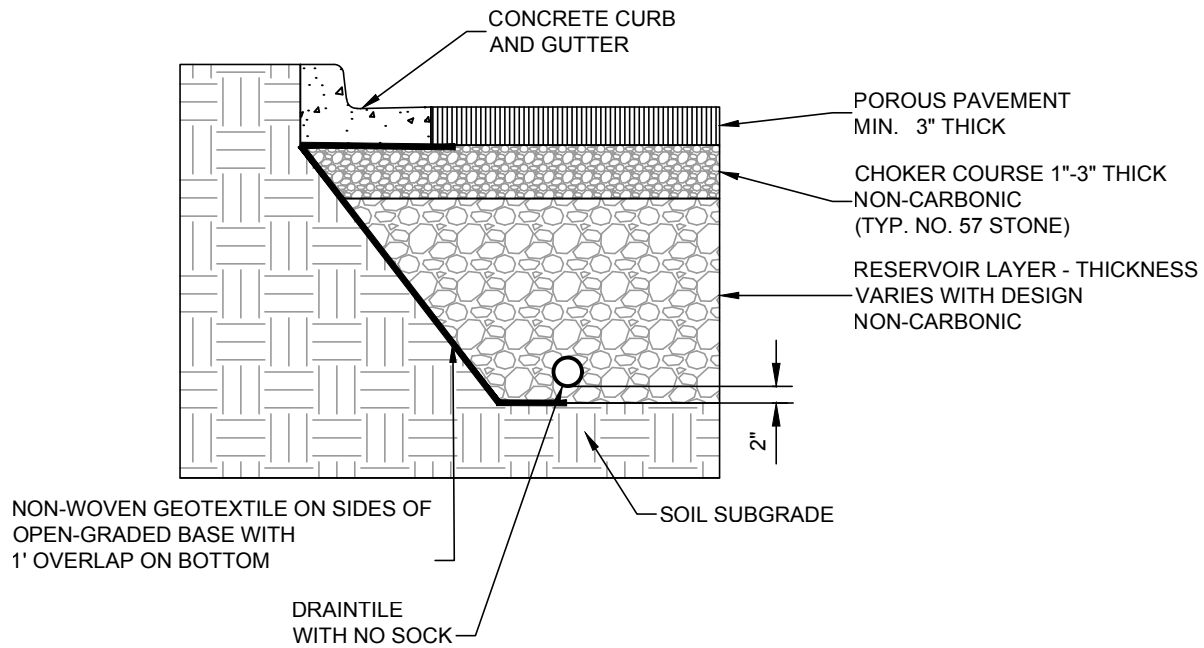
PLATE NUMBER
ST-18



DESIGN:	DATE:	 ENGINEERING DEPARTMENT BAFFLE STRUCTURE (PRESERVER)				PLATE NUMBER
DRAWN:						
REVISIONS	3/17					ST-19



DESIGN:	DATE: 7/25/17	 ENGINEERING DEPARTMENT	PLATE NUMBER
DRAWN:			
REVISIONS		POROUS PAVEMENT DETAIL	ST-20



NOTES:

1. GUTTER PAN SHOULD HAVE NEGATIVE SLOPE TO DRAIN INTO POROUS PAVEMENT

DESIGN:	DATE: 7/25/17
DRAWN:	
REVISIONS	

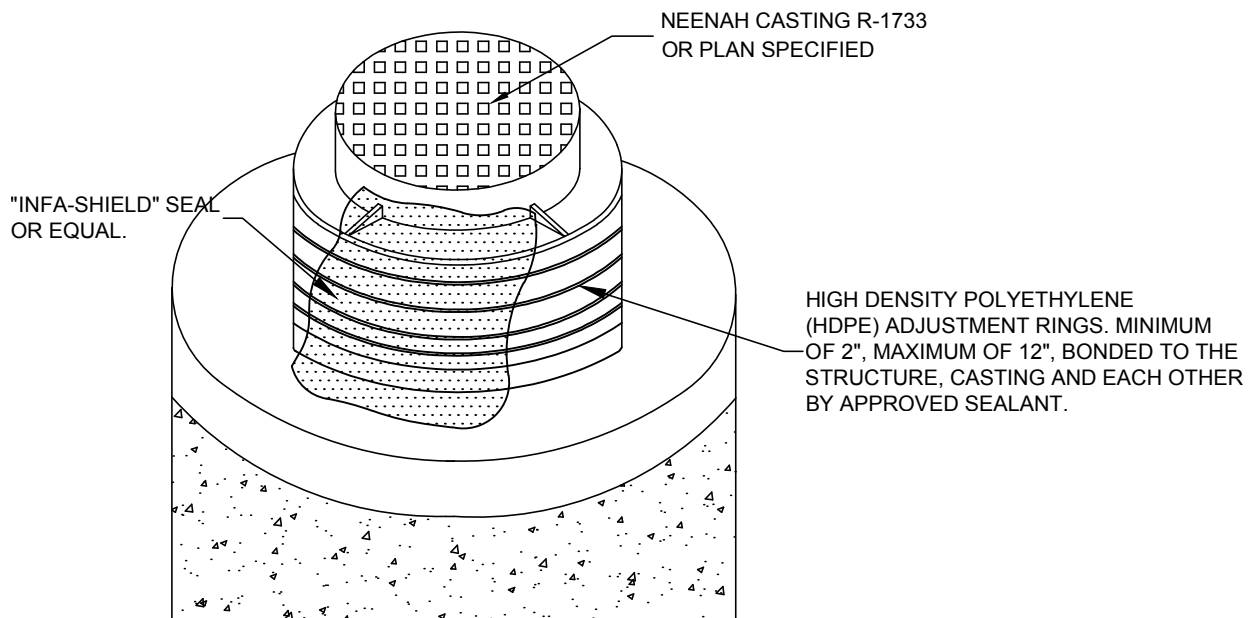
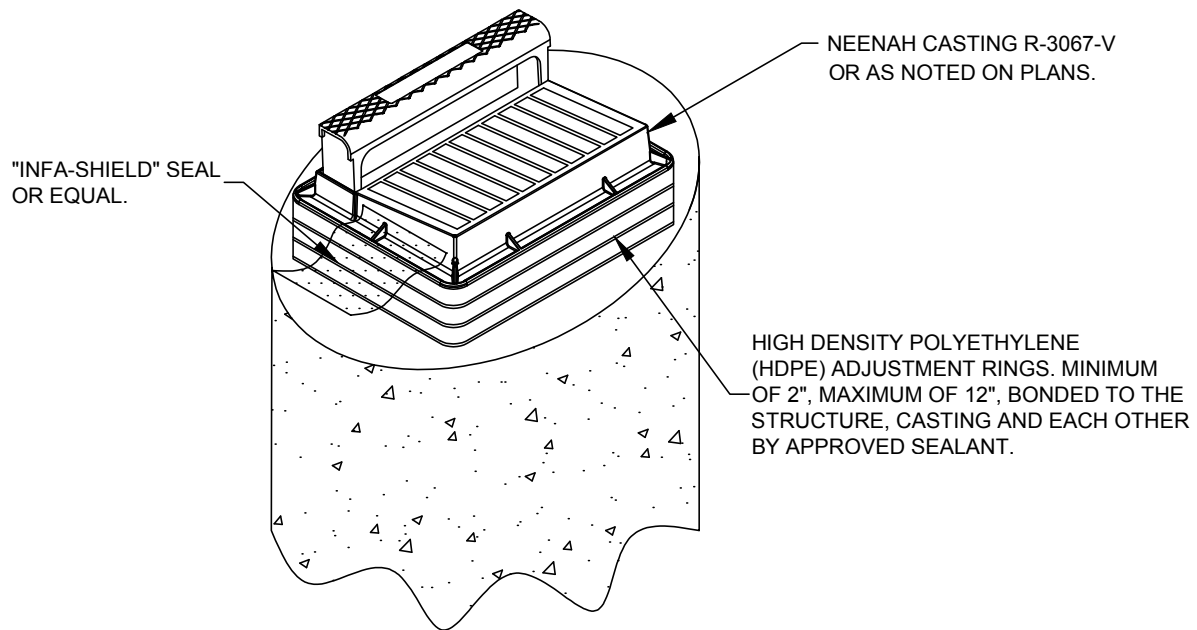


ENGINEERING DEPARTMENT

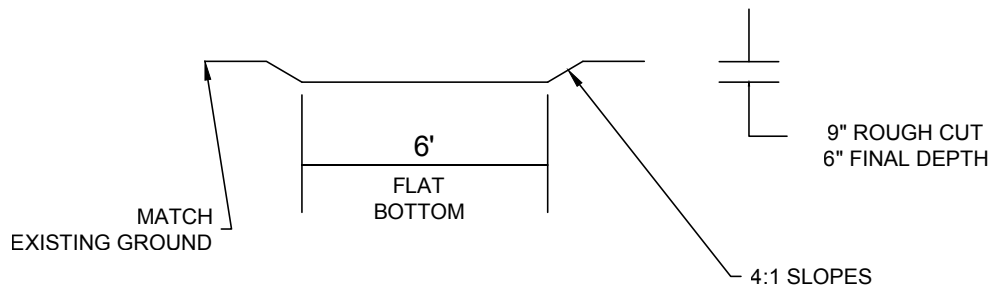
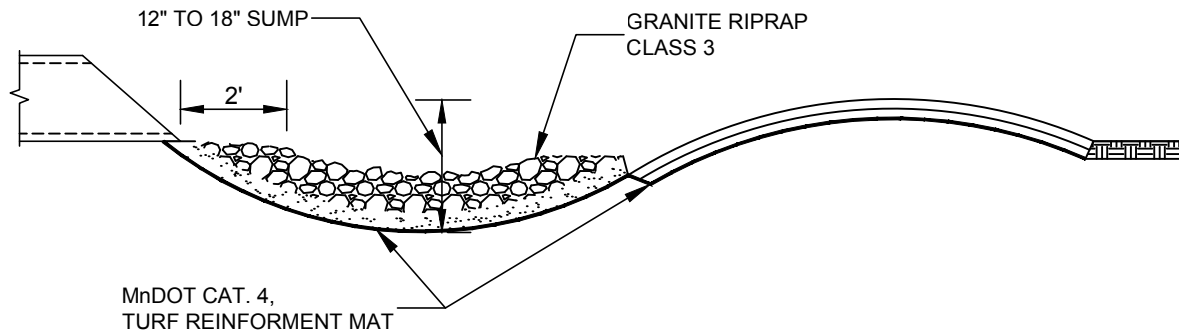
POROUS PAVEMENT DETAIL WITH UNDERDRAIN

PLATE
NUMBER

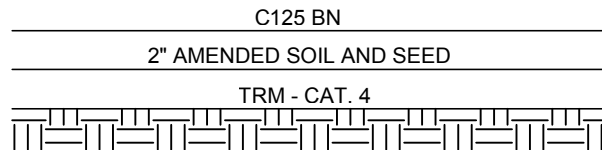
ST-21



DESIGN:	DATE: 3/08/18	 ENGINEERING DEPARTMENT CATCH BASIN AND MANHOLE ADJUSTMENT RINGS	PLATE NUMBER
DRAWN:			
REVISIONS			ST-22

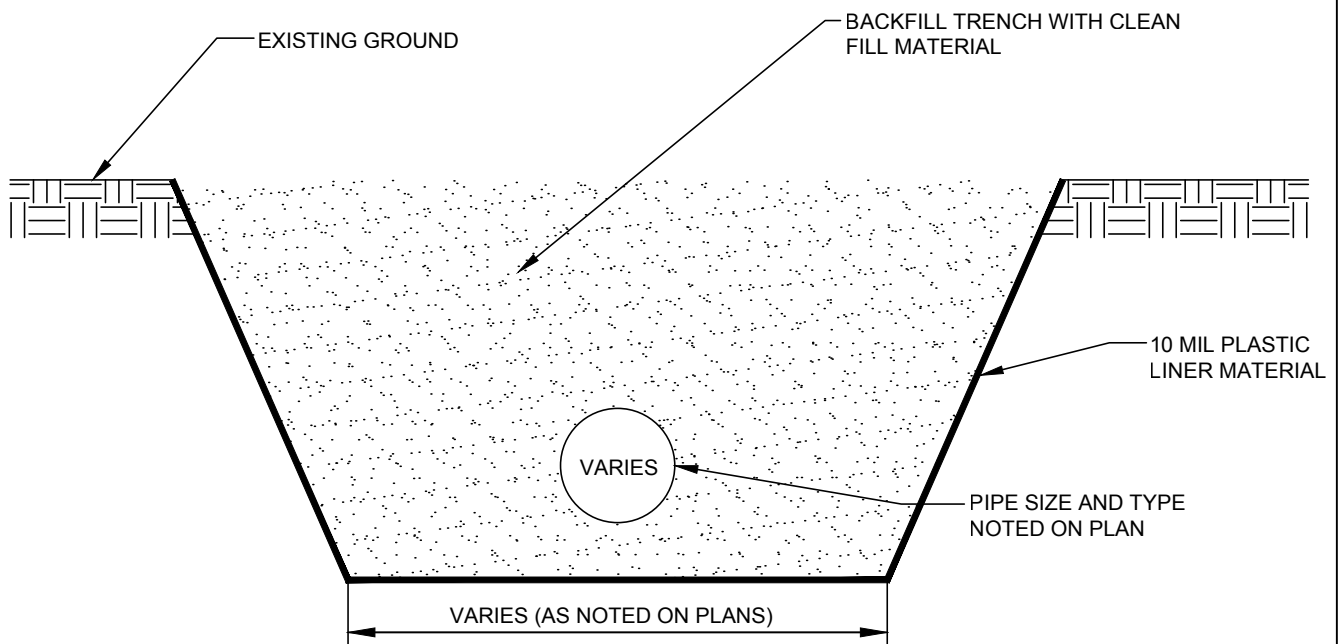


CROSS SECTION



SWALE DETAIL

DESIGN:	DATE: 12/2/15	 ENGINEERING DEPARTMENT	PLATE NUMBER
DRAWN: DRT			
REVISIONS			
DRAINAGE SWALE AND BERM			ST-23



DESIGN:	DATE:
DRAWN:	
REVISIONS	



ENGINEERING DEPARTMENT

CONTAMINATED SOIL TRENCH DETAIL

PLATE
NUMBER

ST-24