

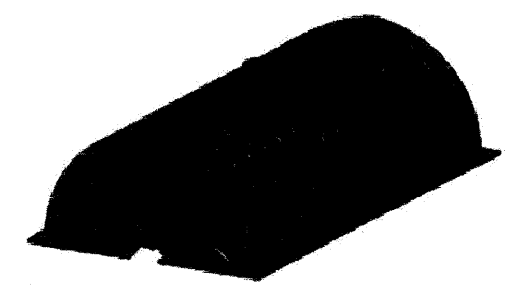
	LOT "A"	LOT "B"	LOT "C"
(A)	111.00	117.50	116.60
(B)	110.50	117.00	116.10
(C)	108.29	114.79	113.89
(D)	107.79	114.29	113.39

STONE BED DIMENSIONS:
10.00' LONG x 10.25' WIDE x 3.21' DP.

- GENERAL NOTES:**
- TOP, BOTTOM AND SIDES OF STONE TO BE WRAPPED IN 4 OZ. NON-WOVEN FILTER FABRIC. (CULTEC NO. 410 OR APPROVED EQUAL)
 - POLYETHYLENE LINER TO BE PLACED UNDER PIPE CONNECTION AND FEED CONNECTOR (CULTEC NO. 20L OR APPROVED EQUAL)
 - STONE TO BE 1"-2" CLEAN STONE.
 - STORAGE UNITS TO BE CULTEC RECHARGER 280RHD SERIES OR APPROVED EQUIVALENT.
 - PIPES ARE TO EXTEND 12" INTO THE RECHARGER UNIT.
 - STONE POROSITY = 33%
 - STORAGE VOLUME REQUIRED PER DWELLING = 130 C.F.
 - STORAGE VOLUME PROPOSED PER DWELLING UNIT = 174 C.F.

RECHARGER 280HD

Recharger 280HD Chamber Specifications	
Height	26.5 inches
Width	47.6 inches
Length	8.06 feet
Installed Length	7.00 feet
Bare Chamber Volume	42.55 cu. feet
Installed Chamber Volume	60.63 cu. feet



Breakdown of Storage Provided by Recharger 280HD Stormwater System	
Within Chambers	97.26 cu. feet
Within Feed Connectors	0.76 cu. feet
Within Stone	76.17 cu. feet
Total Storage Provided	174.2 cu. feet
Total Storage Required	130.00 cu. feet

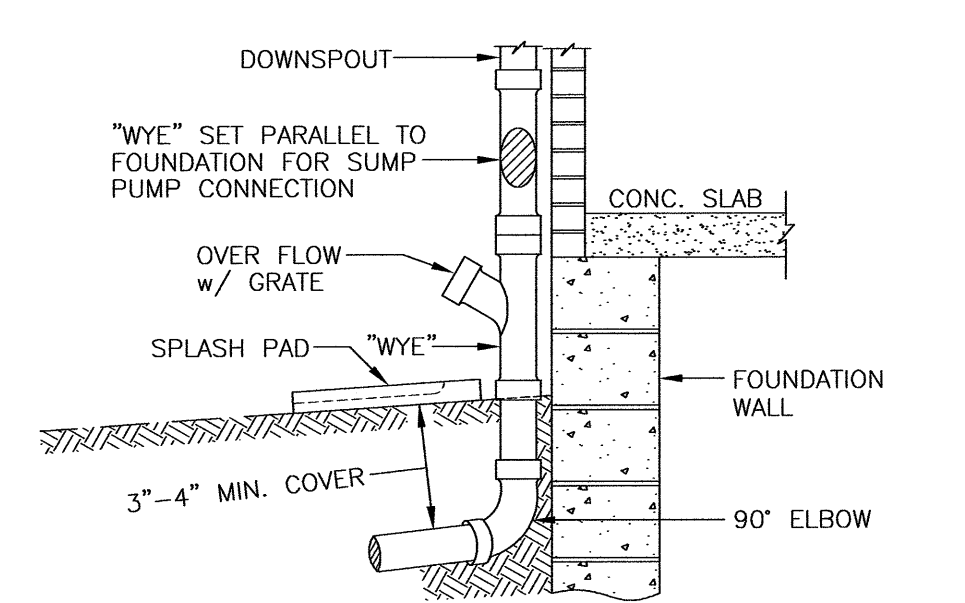
Materials List

Recharger 280HD	
Total Number of Chambers Required	2 pieces
Starter Chambers	2 pieces
Intermediate Chambers	0 pieces
End Chambers	0 pieces
HVLV FC-24 Feed Connectors	2 pieces
CULTEC No. 410 Non-Woven Geotextile	47 sq. yards
CULTEC No. 4800 Woven Geotextile	20 feet
Stone	0 cu. yards

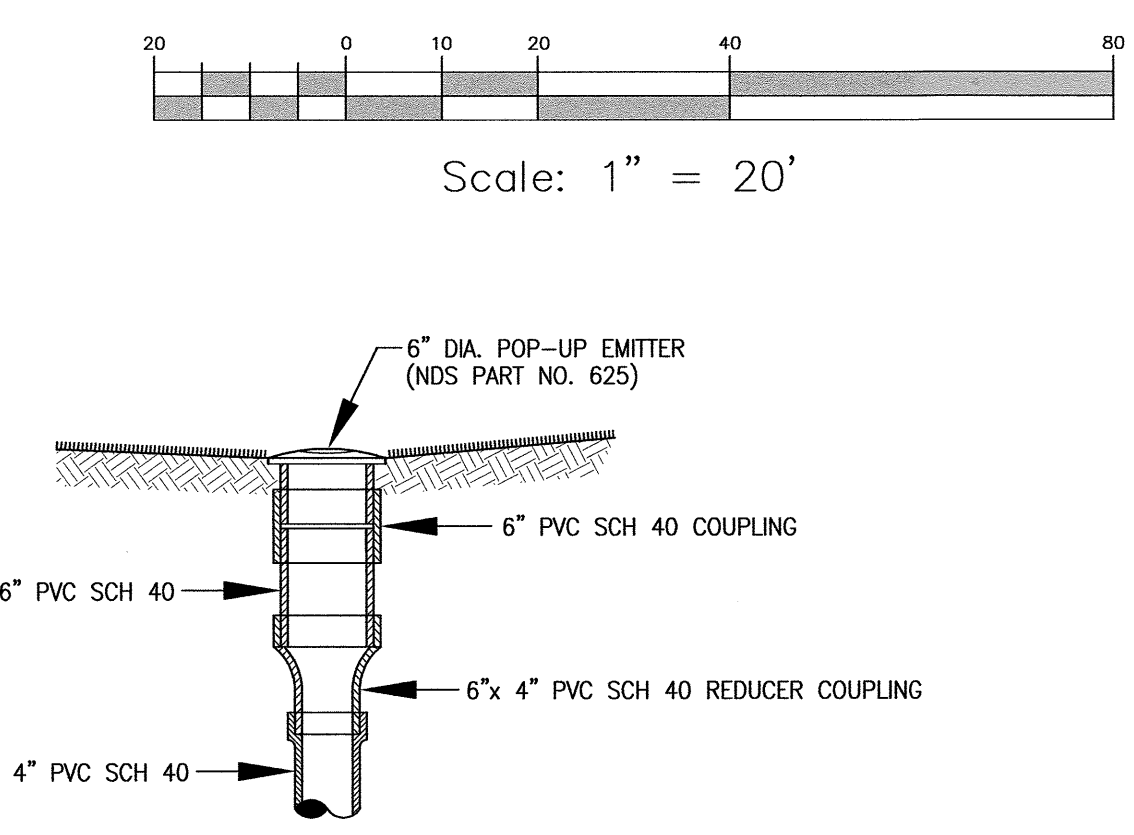
Based on 2 Internal Manifolds

TYPICAL CULTEC RECHARGER 280HD DETAILS
N.T.S.

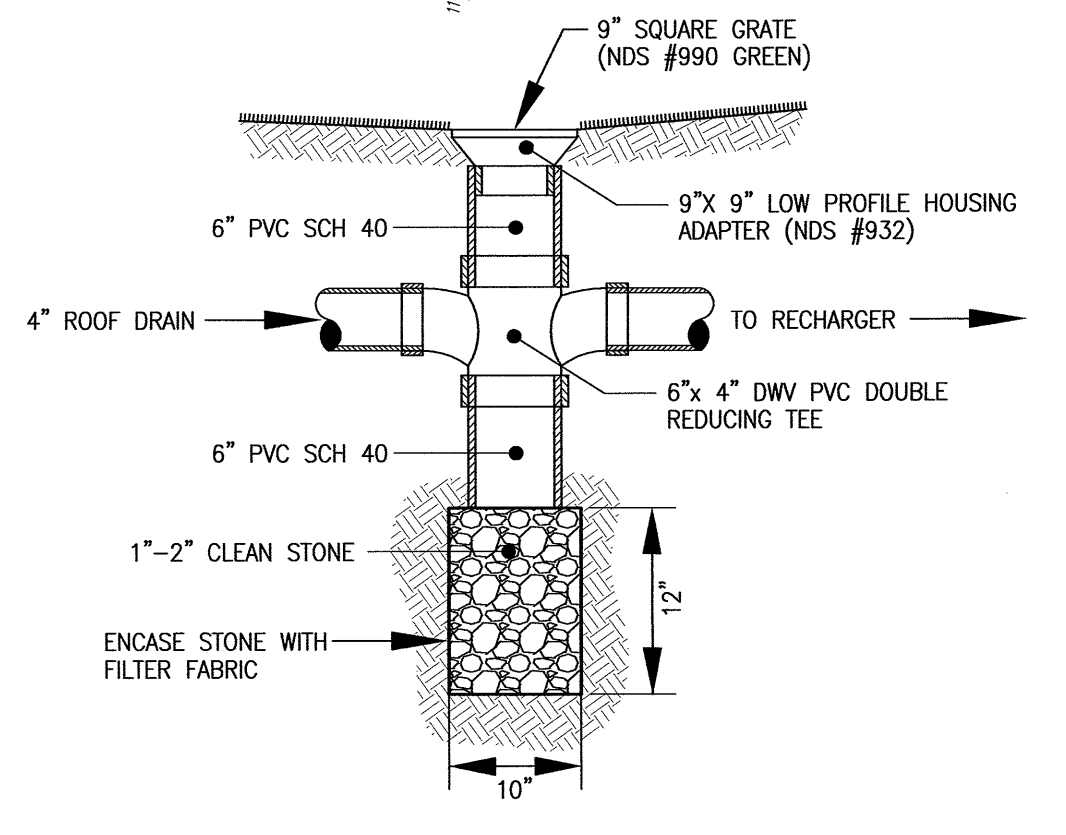
- NOTES:**
- Denotes Proposed 4" PVC Roof Drainage Pipe And Roof Downspout
 - Minimum Pipe Slope To Be 2.0%
 - All Roof Drains Are To Be Connected To The Storm Water Rechargers.



TYPICAL ROOF LEADER/SUMP PUMP CONNECTION DETAIL
N.T.S.



TYPICAL POP-UP EMITTER DETAIL
N.T.S.



ROOF DRAIN CLEANOUT DETAIL
N.T.S.



THE STATE OF NEW JERSEY REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.
1-800-272-1000

FLETCHER ENGINEERING, INC.
CERTIFICATE OF AUTHORIZATION #24GA27917500
ENGINEERS • SURVEYORS • PLANNERS
P.O. Box 329 Fords, NJ 08863
Phone 732-738-8809 • Fax 732-738-6727

PAUL J. FLETCHER, P.E., P.P. DATE 6/29/2020
PROFESSIONAL ENGINEER N.J. LIC. NO. 32041

STORM WATER MANAGEMENT PLAN

1. REVISIONS PER JUNE 11, 2020 DRC MEETING	6-23-20	pj
NO.	DATE	CHECKED
PRELIMINARY & FINAL MAJOR SUBDIVISION PREPARED FOR LOT 95 IN BLOCK 141.01 (101 ROSE STREET)		
BOROUGH OF METUCHEN MIDDLESEX COUNTY NEW JERSEY		
FOX & FOX SURVEYING, L.L.C. PROFESSIONAL LAND SURVEYING & PLANNING 940 AMBOY AVENUE, SUITE 101 • EDISON, NEW JERSEY 08837 TEL. 732-819-9199 FAX 732-819-9229		
CERTIFICATE OF AUTHORIZATION NO. 24GA28110200		
JEFFREY W. KRAFFT, P.L.S., P.P. NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 31270 NEW JERSEY PROFESSIONAL PLANNER LICENSE NO. 3419	TAX MAP NO.: 46 DRAWN: jwk CHECKED: pj/jwk	DATE: April 24, 2020 SCALE: As Noted
DEED: 17682-1287	PROJECT NO.: ROSE	SHEET NO.: 5 of 8