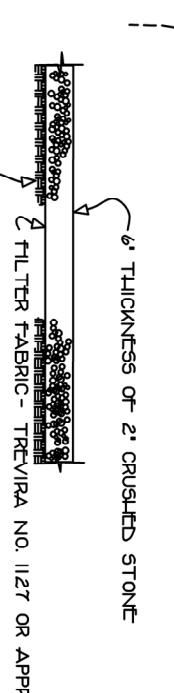
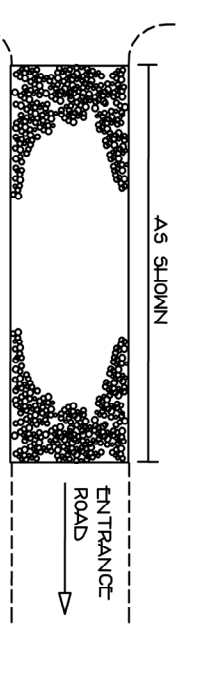
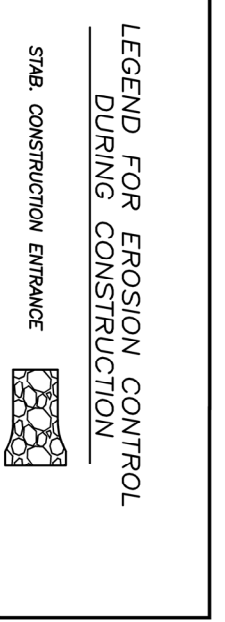
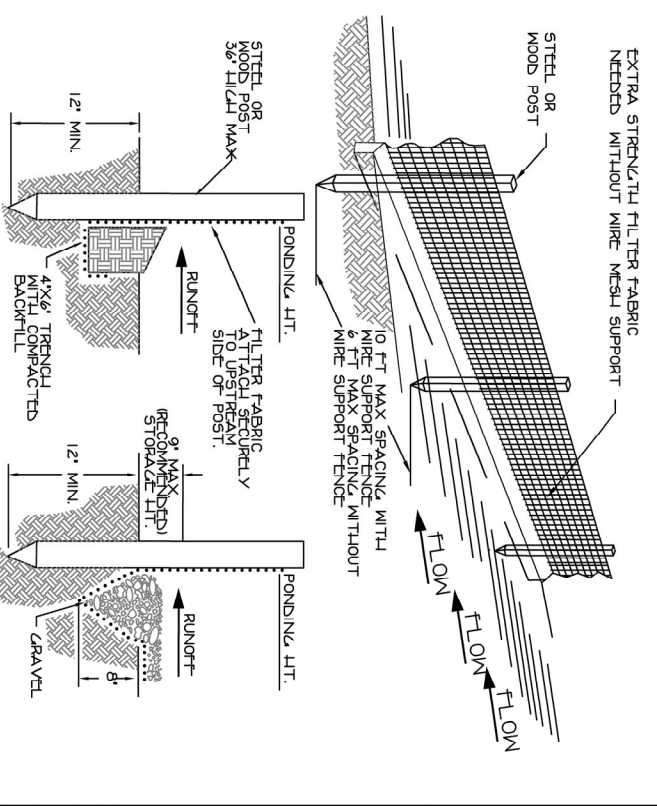


STAB CONSTRUCTION ENTRANCE
 SILT FENCE
 INLET PROTECTION
 STRAW BALE DWE



CONSTRUCTION ENTRANCE
 N.T.S.



STANDARD DETAIL
 TRENCH WITH GRAVEL

ALTERNATE DETAIL
 TRENCH WITH NATIVE BACKFILL

NOTE:
 TRENCH AND GRAVEL DETAIL SHALL BE USED FOR ALL TRENCHES. THE ALTERNATE DETAIL SHALL BE USED FOR ALL TRENCHES WITH NATIVE BACKFILL. THE GRAVEL DETAIL SHALL BE USED FOR ALL TRENCHES WITH GRAVEL. THE GRAVEL DETAIL SHALL BE USED FOR ALL TRENCHES WITH GRAVEL. THE GRAVEL DETAIL SHALL BE USED FOR ALL TRENCHES WITH GRAVEL.

3. Determine Precipitation Rate		Precipitation Rate inches
Time minutes	Time inches	
1.000	3.000	1.000
30.000	30.000	30.000

4. Calculate Required Storage Volume		Volume of Precipitation inches	Volume of Precipitation inches	Volume of Precipitation inches	Volume of Precipitation inches
Volume of Precipitation inches	Volume of Precipitation inches				
9,300	9,300	9,300	9,300	9,300	9,300

5. Calculate Volume per Culvert Unit		Volume per Culvert Unit cubic feet
Culvert Diameter inches	Volume per Culvert Unit cubic feet	
36.00	114.76	114.76

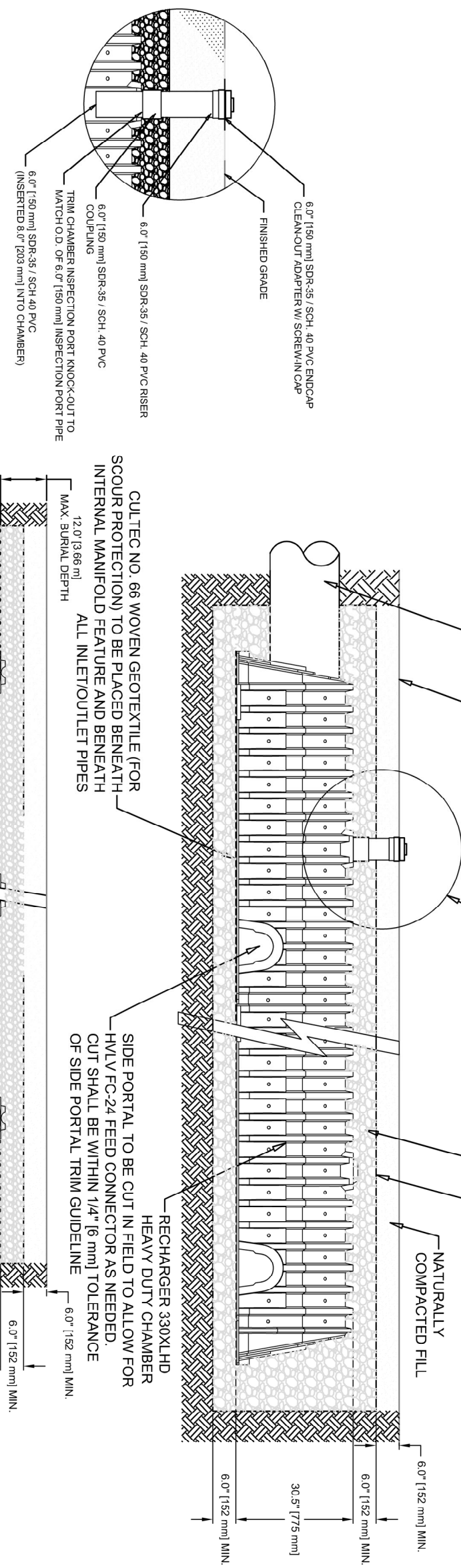
PIPE DESIGN AND ELEVATION TBD BY ENGINEER. PIPE TO BE INSERTED 8.0" (203 mm) MIN. INTO STRUCTURE AND 8.0" (203 mm) MIN. INTO CHAMBER.

RECHARGER 330XLHD
 HEAVY DUTY CHAMBER
 SIDE PORTAL TO BE CUT IN FIELD TO ALLOW FOR HALF FC-24 FEED CONNECTOR AS NEEDED. CUT SHALL BE WITHIN 1/4" (6 mm) TOLERANCE OF SIDE PORTAL TRIM GUIDELINE.

1-1/2 INCH (25-51 mm) WASHED, CRUSHED STONE SURROUNDING CHAMBERS.

CUL-TEC NO. 410 NON-WOVEN GEOTEXTILE AROUND STONE. TOP AND SIDES MANDATORY BOTTOM PER ENGINEER'S DESIGN PREFERENCE.

FINISHED GRADE
 INSPECTION PORT
 NATURALLY COMPACTED FILL



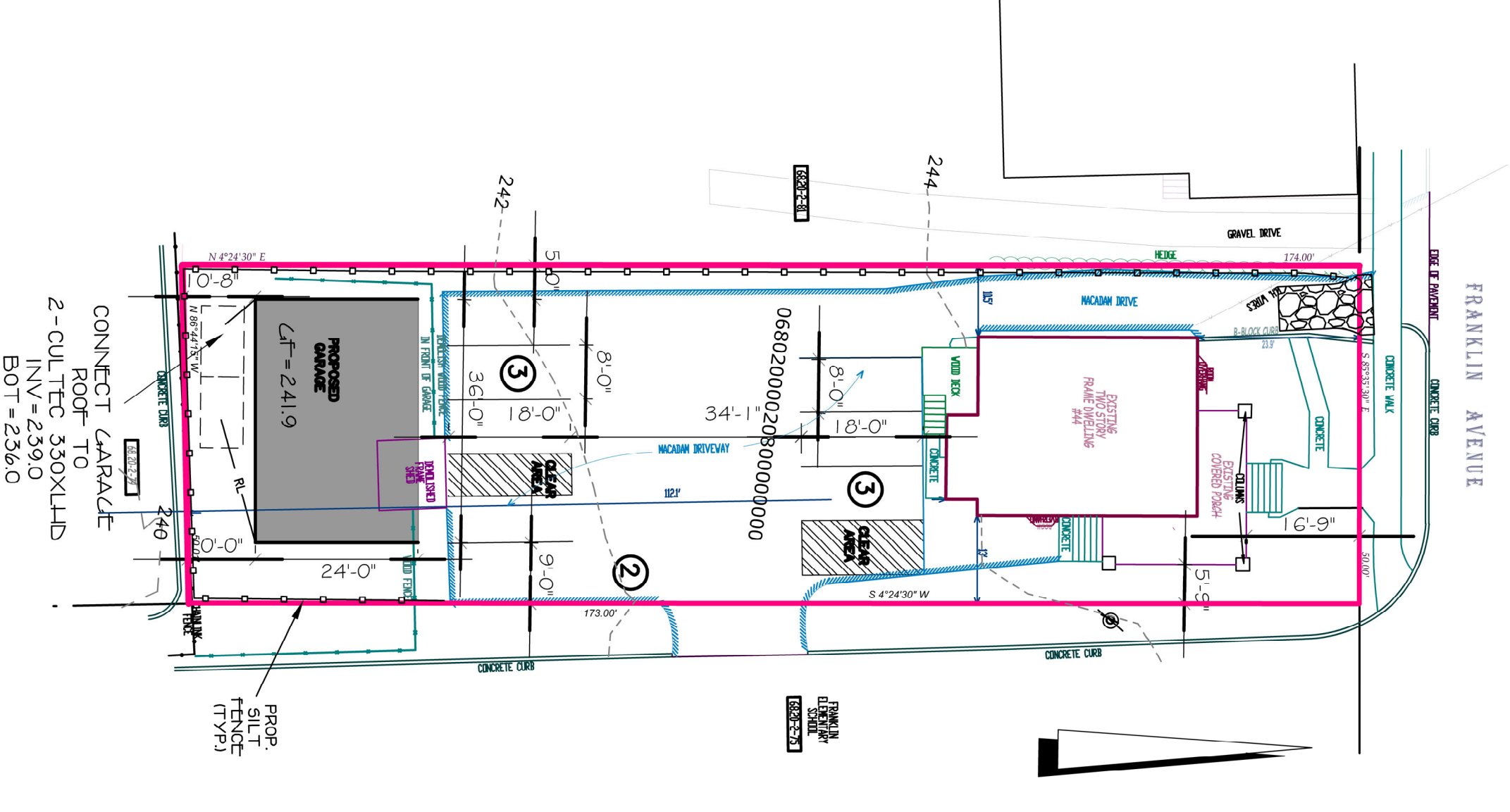
CUL-TEC RECHARGER 330XLHD
 CENTER TO CENTER

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS OR INCURRED SHALL NOT BE VALID.



UNDEGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL CALL THE LOCAL UNDERGROUND UTILITIES MARKED IN THE FIELD PRIOR TO ANY DRAINAGE OR ANY CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE LOCATION, SIZE AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY UTILITY FOR WHICH NO EVIDENCE CAN BE SEEN ON THE SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS DRAWING.

NOTES:
 1. SET PIT IN 17.29% SY. OVERALL EXCAVATION BARRIL WITH ALL CLEAN STONE WATER TABLE. NO CUL-TEC UNIT AND/OR STONE SHALL BE SET BELOW WATER TABLE.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING SEASONAL HIGH WATER TABLE.
 3. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY UTILITY FOR WHICH NO EVIDENCE CAN BE SEEN ON THE SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS DRAWING.



BLUFHILL CONSTRUCTION INC.

DRAINAGE PLAN FOR
 HAMLET OF PEARL RIVER
 TOWN OF ORANGETOWN
 ROCKLAND COUNTY, NEW YORK

PAUL GDANSKI, P.E., PLLC
 633 WOODMONT LANE
 SLAATSBURG, NEW YORK 10974
 (917) 418-0999
 EMAIL: PGSKI@EARTHLINK.NET