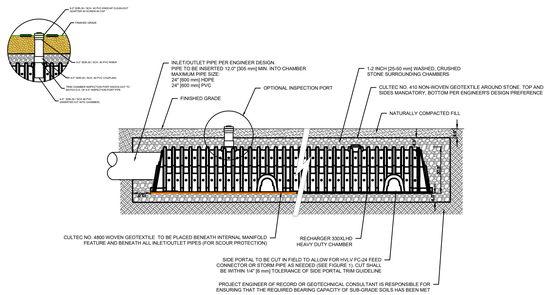


CULTEC RECHARGER 330XLHD STORMWATER CHAMBER DETAIL

NTS

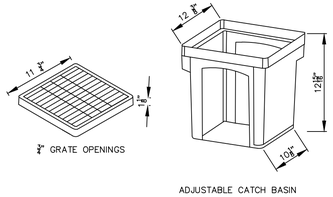
Cultec Recharger 330XLHD Stormwater Chamber			
Stone Foundation Depth	6"	9"	12"
Chamber and Stone Storage Per Chamber	79.26 cu.ft.	82.65 cu.ft.	86.03 cu.ft.

DRAINAGE AREA TO TANK:

Net increase in impervious=825 sf
Criteria: 2" over new surface
825 sq.ft. x 0.17 ' = 141 cu.ft.

Cultec 330XLHD with 6" of stone = 79.26 cu.ft. of storage.

141/79.26 = 1.8 or 2 Chambers required.



12" CATCH BASIN DETAIL

NTS
by NDS OR EQUAL

ZONING DATA–POOL CONSTRUCTION

Zone: R–1
Block: 2702 Lot: 5
Owner: Carr

	REQUIRED	PROPOSED	Variance Req'd
Side Yard Setback	10'	10.0'	No
Rear Yard Setback	10'	10.2'	No
Setback from House	10'	13.1'	No
1 Coverage by Improvement	45%	43.1%	No

1 1 LOT COVERAGE CALCULATIONS

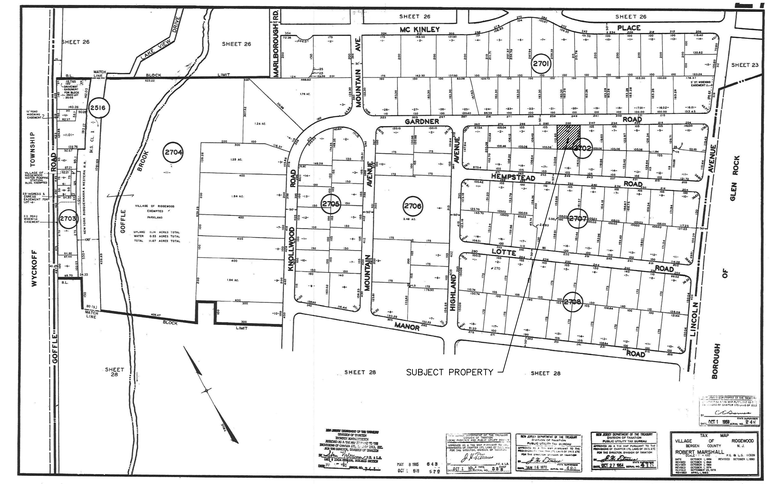
Item	Area (sf)			
TOTAL LOT AREA (SF):	12,028			
Item	Required	Existing	Proposed	Variance
House/Covered Porch		2,225	2,225	
Side Porch		130	130	
Driveway		1,212	1,212	
Front Walk		92	92	
Rear Patio/Walks		687	0	
A/C Pads & Generator		17	17	
Prop. Pool/Coping			507	
Prop. Pool Patio			770	
Prop. Step Stones			211	
Pool Filter Pad			24	
		2,372	3,673	
Coverage (above grade structure)	20%	19.7%	30.5%	Yes
Coverage By Improvement	5,600	4,363	5,188	
	45%	36.3%	43.1%	No

1 140 ft SETBACK COVERAGE (by above grade structures)

	Area (sf)			
140 ft Setback Area	12,028			
Item	Required	Existing	Proposed	
House/Covered Porch		2,225	2,225	
Side Porch		130	130	
A/C pads & Generator		17	17	
Prop. Pool/Coping			507	
Prop. Pool Patio			770	
Pool Filter Pad		0	24	
		2,372	3,673	
Coverage By Improvement	20.0%	19.7%	30.5%	Yes

140 ft SETBACK COVERAGE (Maximum Coverage by Improvements)

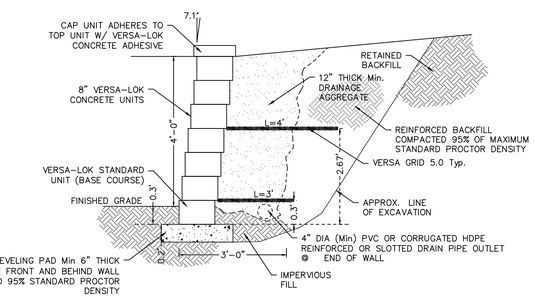
	Area (sf)			
140 ft Setback Area	12,028			
Item	Required	Existing	Proposed	
House/Covered Porch		2,225	2,225	
Side Porch		130	130	
Driveway		1,212	1,212	
Front Walk		92	92	
Rear Patio/Walks		687	0	
A/C Pads & Generator		17	17	
Prop. Pool/Coping		0	507	
Prop. Pool Patio		0	770	
Prop. Step Stones		0	211	
Pool Filter Pad		0	24	
Coverage By Improvement	5,600	4,363	5,188	No
	45.0%	36.3%	43.1%	No



AREA MAP

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Cut_Fill	1.000	1.000	2136.59 Sq. Ft.	30.44 Cu. Yd.	85.67 Cu. Yd.	55.23 Cu. Yd.<Fill>
Totals			2136.59 Sq. Ft.	30.44 Cu. Yd.	85.67 Cu. Yd.	55.23 Cu. Yd.<Fill>



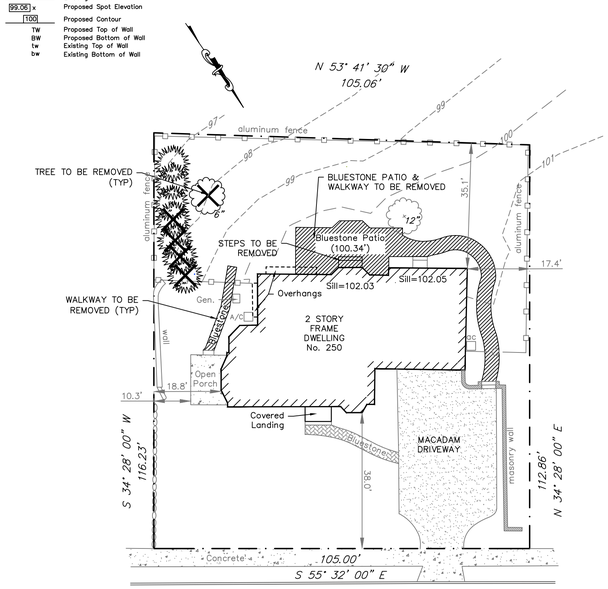
NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.

4.0FT. HIGH REINFORCED RETAINING WALL

N.T.S.

LEGEND

x 87.65	Existing Spot Elevation
	Existing Contour
99.06 x	Proposed Spot Elevation
100	Proposed Contour
TW	Proposed Top of Wall
BW	Proposed Bottom of Wall
tw	Existing Top of Wall
bw	Existing Bottom of Wall



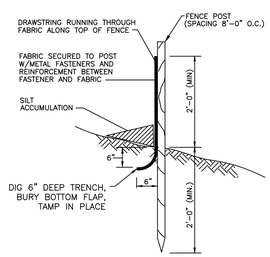
GARDNER ROAD

(50' ROW)

EXISTING CONDITIONS

SCALE: 1"=20'

0 20 40 80 ft.



NOTES:

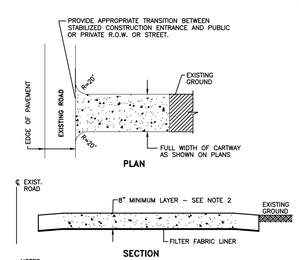
1. EXISTING BOUNDARY INFORMATION TAKEN FROM A SURVEY PREPARED BY RIGG ASSOCIATES, P.A. DATED 05.05.16.
2. 1 TOPOGRAPHIC INFORMATION & DRIVEWAY LOCATION TAKEN FROM A SURVEY PREPARED BY PAX SURVEYING.
3. OWNER OR CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN WHICH MAY AFFECT THE VERTICAL AND/OR HORIZONTAL POSITION OF THE POOL.
4. CONTRACTOR IS RESPONSIBLE FOR THE PLACEMENT OF THE POOL BOTH VERTICALLY AND HORIZONTALLY.
5. POOL SHALL BE DESIGNED AND CONSTRUCTED IN CONFORMANCE WITH ANSI/NSPI–5 PER THE INTERNATIONAL RESIDENTIAL CODE.
6. FENCE SHALL BE INSTALLED A MINIMUM OF 12" INSIDE THE PROPERTY LINE. HOME OWNER OR CONTRACTOR SHALL BE RESPONSIBLE FOR FENCE LOCATION AND CONSTRUCTION.
7. IF ANY TREES OR ROOT STRUCTURES ARE DAMAGED DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE HOMEOWNER/CONTRACTOR TO CONTACT AN ARBORIST TO ASSESS THE DAMAGE TO THE TREES.
8. DRIVEWAY TO BE UTILIZED FOR CONSTRUCTION ACCESS.
9. A PERCOLATION TEST WILL BE PERFORMED AT THE TIME OF EXCAVATION. CONTRACTOR AND/OR HOME OWNER SHALL NOTIFY THE ENGINEER 24 HOURS PRIOR TO EXCAVATION.
10. IF IMPERVIOUS MATERIAL OR GROUND WATER IS ENCOUNTERED AT THE DRY WELL LOCATION DURING EXCAVATION, CONTACT THE ENGINEER.
11. SET DRY WELL TO CONFORM WITH INLET ELEVATION OF DRAIN PIPE.
12. POOL EMPTYING PROCEDURES SHALL BE IN ACCORDANCE WITH NJDEP REGULATIONS.

SILT FENCE DETAIL

N.T.S.

REQUIREMENTS FOR SILT FENCE:

1. FENCE POSTS SHALL BE SPACED 8 FT. CENTER–TO–CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1½ INCHES.
2. A METAL FENCE WITH 6 INCH OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED.
3. A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE PORTION OF THE FENCE FOR ADDED STRENGTH.



NOTES:

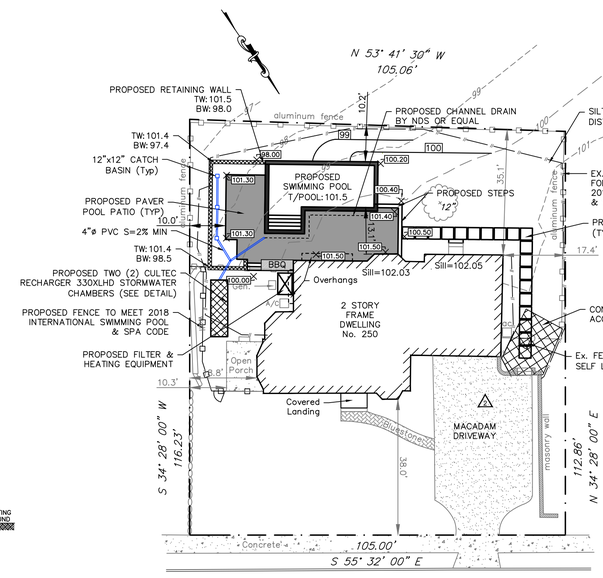
1. PLACE STABILIZED CONSTRUCTION ENTRANCE AT LOCATION
2. STONE SIZE SHALL BE ASTM C–33, SIZE NO. 2 OR 3, CLEANED CRUSHED ANGULAR STONE.
3. THE THICKNESS OF THE STABILIZED CONSTRUCTION ENTRANCE SHALL NOT BE LESS THAN 8".
4. WIDTH – NOT LESS THAN FULL WIDTH OF POINTS OF INGRESS OR EGRESS.
5. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE R.O.W./PAVEMENT. THIS REQUIRES PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP SEDIMENT.
6. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO THE PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.

TRACKING PAD DETAIL

N.T.S.

LEGEND

x 87.65	Existing Spot Elevation
	Existing Contour
99.06 x	Proposed Spot Elevation
100	Proposed Contour
TW	Proposed Top of Wall
BW	Proposed Bottom of Wall
tw	Existing Top of Wall
bw	Existing Bottom of Wall



GARDNER ROAD

(50' ROW)

POOL LOCATION & GRADING PLAN

SCALE: 1"=20'

0 20 40 80 ft.

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CERTIFICATE OF AUTHORIZATION: 24GA28060300

REVISION	DATE	APPROVED
1 Amended coverage by above grade structure calculation	09.09.21	DJE
2 Updated existing driveway area	02.24.22	DJE

DESIGNER: JDE
DRAWN BY: JDE
CHECK BY: DJE
DATE: 06.22.21
SCALE: 1" = 20'
PROJECT NO.: 21074

DAVID J. EGARIAN, P.E.
N.J. LIC. NO. 24GE02622900

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Civil /Mechanical/ Environmental Engineering Services
271 Route 46 Suite G208, Fairfield, NJ 07004
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POOL LOCATION & GRADING PLAN FOR THE CARR RESIDENCE

250 GARDNER ROAD
BLOCK 2702 LOT 5
VILLAGE OF RIDGEWOOD, BERGEN COUNTY, NJ

DRAWING NO: 1

SHEET 1 OF 1

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