IMPERVIOUS SURFACE

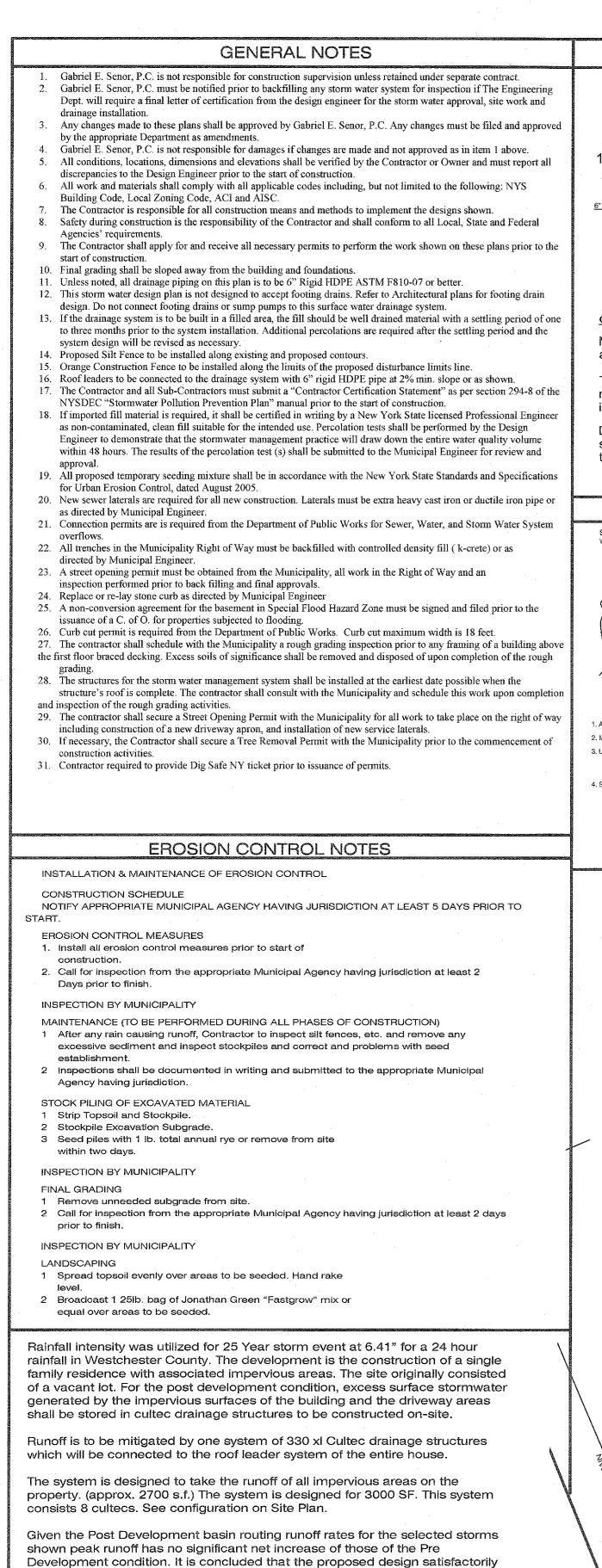
1619 SF

IMPERVIOUS SURFACE TOTAL = 2700 sq.ft.

813 SF

TOTAL IMPERVIOUS SURFACE AREA = 2700 SF

134 SF



20000

100

100

Lot Area (Sq. ft

Lot Width

Lot Depth

Front Yard (ft.)

Corner Lot Front

Side Yard

Rear Yard (ft.)

Max Height

Min Usable FloorAre

Off-street Parkir Bldg Coverage

DETENTION SYSTEM 6" PVC PIPE VIEW PORT SEE PLAN FOR UNIT TYPE AND NUMBER OF ROWS WITH SOLID CAP ON 6" VIEW.PORT 4 OZ. NON-WOVEN FILTER FABRIC WITH CAP AROUND STONE F24 CONECTOR **GENERAL NOTES** Recharger unit by Cultec, Inc. of Brookfield, All recharger chambers must be installed in accordance Maintain 10 ft, clearance to buildings with all applicable local, state and federal regulations. refer to Cultec, Inc.'s current recommended and private property lines. installation guidelines. This system is only designed to Use recharger 330HD heavy duty for traffic Contractor 100 36" 40" 12.5" receive runoff from the new additional Recharger 180HD 36" 39" 20.5" and/or H20 applications. impervious surfaces. Recharger 330XLHD 52" 58" 30.5" Recharger 330HD heavy duty units are Do not connect footing drains to this marked with a color stripe formed into the system . Install separate system for part along the length of the chamber. the footing drains and sump pumps. SILT FENCE (SF) SOIL STOCKPILING (SS) STABILIZE ENTIRE PILE WITH VEGETATION OR COVER MIN. SLOPE STRAWBALES OR SILTFENCE TOE-IN METHOD INSTALLATION NOTES 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE. INSTALLATION NOTES 2, MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2. 1. EXCAVATE A 4 INCH * 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE. 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM)-WALL OF THE TRENCH (INET SIDE AWAY FROM DIRECTION OF FLOW). 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION 3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES 4. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILTFENCE. 4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH 5. JOIN SECTIONS AS SHOWN ABOVE. EXISTING CONDITIONS AND TREE REMOVALS STORMWATER AND GRADING

CURTAIN DRAIN NDS SQUARE POLYLEFIN WITH U.V. INHIBITOR / CAST TIRON / GALVANIZED STEEL GRATE OR APPROVED EQUAL NDS 12", Square Catch Basin Part # 1222 or approved equal FILTER FABRIC CARTHAGE 15% NDS Universal Outlet ----or Approved Equal 6" DRAIN TEE 6" PERFORATED

SEE PLAN FOR ACTUAL LOCATION AND ELEVATIONS OF PIPES

-AS REQUIRED SEE PLAN

60" MAX.

JOINING SECTIONS OF FENCING

WALKWAY 4" CONC SLAB W/ 6x6-10/10 WWF(3,500 PSI) ____ 1/2" MAS. JOINTS COBBLE STONE ___ 4" OF 3/4" CUT STONE ___ COMPACTED SOIL POST CONSTRUCTION MAINTENANCE:

WATER QUALITY STRUCTURE (WQ)

18"X18"

6" HDPE OUTFLOW

FOR ELEV. SEE PLAN

6" MIN. No.2 CRUSHED STONE

6" IN FLOW

---- PAVEMENT/ GRASS

- PAVEMENT SUB-BASE

---- 95% COMPACTED FILL

OR TOP SOIL BACKFILL

- 4 OZ. NON-WOVEN FILTER

FABRIC AROUND STONE

CULTEC CHAMBER

SEE PLAN FOR MODEL

STONE BENEATH AND

- 6" INLET AT TOP

AROUND CHAMBER BED

- 1-2 INCH WASHED CRUSHED

FOR ELEV. SEE PLAN

DIA. OPEN'G.

POST CONSTRUCTION MAINTENANCE 1. Land Owner to visually inspect all stormwater structures for silt and debris during May and November of each year. Any silt and debris to be removed by jet vacuum if within 12" of lowest pipe invert (min 24" sump required.) 2. De-compaction of soils following construction is recommended. This will not only aid in the re-establishment of vegetation following construction, but will help to ensure that lawn area is pervious in the future. 3. Verification of the ownership of any tree designated to be removed near the property line

Vp= Ab X h Vp= 0.79 X Vp= 0.20 Sr = (Volume(Vp)/ Area (Ap)/ (Time RatePER 3" DROP)) X 60 min. X 24hr. 0.20/ 3.39/ 45 x 1.85 C.F./S.F./DAY 1.85 - 25% CLOGGING FACTOR 4. Calculate Required Storage Volume (Vs) 25 Yr. Storm 24 Hour Rainfall is 6 inches
Using the Table 3-2 on Page 3.7, Lawn with 75% Grass Cover Using Table 3-4 on Page 3.10 for a 25 Yr. Storm the depth of runoff . 3 inch 0.25 ft. 98 runoff is Volume of Storage Ri(Vs) 5. Calculate Volume of Cultec Chamber (per L.F (Vw) Vw= Volume of Chamber + Vw= 14.9 C.F./L.F. Vw= 23.55 C.F./L.F. 5. 24 Hour Percolation Rate Volume Per Cultec Chamber (Vp) (per L.F.) Vp= bottom Surface Area of Grave Soil Perc Rate (Sr) Vp={ 11:x Vp= 15.28 C.F./L.F./Day 7. 24 Hour Volume per Cultec Chamber (Vt) (per L.F.)
 Vt=
 Vw
 +
 Vp

 Vt=
 23.55 +
 15.28

 Vt=
 38.83 C.F./L.F./Day
 Dwr= 853 C.F./ Dwr= 21.96 L.F. 38.83 C.F./L.F./Day Du= Number of Units Required 21.96 L.F. / 7 L 3.1 Cultec Chamber Units USE use 4.0 units (two per row)

CONSTRUCTION ENTRANCE DETAIL

SLOT DRAIN

COMPACTED

SOIL

WITH PUC FRAME AND CROSS BRACKET WITH UV INHIBITOR.

Soil percolation Tests were done at the site and performed in accordance

This design procedure follows the procedure outlined on Page 6.23-6.25 of the above mentioned Manual.

Provide subsurface disposal system consisting of Cuitec Recharger 330XL embedded in 1.5" to 2"crushed stone as per defail.

with the procedure outlined in the "Stormwater Management: Westchester County
Stormwater Best Management Practices Manual Series." The rate on the tests performed

1. Use the design storm criteria of 25 Year Storm. 24 Hour, Zero net increase in runoff.

Rate 45 min/3" DROP

DRAINAGE CALCULATION

Perc Test H 36 inch deep

3. Determine Soil Percolation Rate.

Ac 3.14 X Ac 2.61 S.F.

Bottom Area of Cylinder

Ap= Ac + Ab

B. Volume of Percolation (Vp)

3.14 X

A. Area of Spil Percolation (Ap)

Ac | X dia X h (Avg depth of water

Design Criteria
The Impervious surface =

12 inch dia.

6" MIN. THICKNESS

FILTER FABRIC UNDERNEATH

VICINITY MAP EGEND

O UTILITY POLE

WATER VALVE

GAS VALVE

-SIGN POST

X HYDRANT

LIGHT POLE _____102____ -() GUY WIRES EXISTING GRADE (102) (T) TELE, MANHULE PROPOSED GRADE /AREA OF DISTURBANCE & CHAIN LINK FENCE (AS REQ'D BY MUNICIPALITY) TREE TO BE REMOVED 9-16-2020 zone chart es DATE DESC BY

S SEWER MANHULE

(W) WATER MANHULE

MELECTRIC BOX

D DRAIN MANHOLE

(M) MANHOLE

STORMWATER POLLUTION PREVENTION AND EROSION CONTROL PLAN PREPARED FOR: JON FARREL 363 GRANITE SPRING RD

CITY: YORKTOWN, NY

A.K.A. SECTION 27.14 - TAX BLOCK 1 - LOT 17

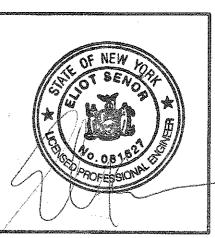
LOT No. 17

REVISIONS

SITUATED IN THE TOWN OF YORKTOWN

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> 90 NORTH CENTRAL AVE., HARTSDALE, NEW YORK, 10530 9 (914) 422-0070 FAX 422-3009



SCALE: 1" = 20" DATE: JUNE 15, 2020 DRAWN BY: CHECKED BY:

SHEET 1 OF 1 SHEETS

