JOB NUMBER: DF3.90-61-23 **GENERAL NOTES** WATER QUALITY STRUCTURE (WQ) CULTEC CHAMBERS IMPERVIOUS SURFACE CONSTRUCTION ENTRANCE DETAIL 18"X18" Gabriel E. Senor, P.C. is not responsible for construction supervision unless retained under separate contract. Existing Driveway maybe used as directed by Local Authority Gabriel E. Senor, P.C. must be notified prior to backfilling any storm water system for inspection if The Engineering Dept. will require a final letter of certification from the design engineer for the storm water approval, site work and SEE PLAN FOR UNIT TYPE AND NUMBER OF ROWS. drainage installation. 6" VIEW PORT 18"X18" Any changes made to these plans shall be approved by Gabriel E. Senor, P.C. Any changes must be filed and approved 1 PER ROW by the appropriate Department as amendments. AROUND STONE Gabriel E. Senor, P.C. is not responsible for damages if changes are made and not approved as in item 1 above. 6 " IN FLOW All conditions, locations, dimensions and elevations shall be verified by the Contractor or Owner and must report all FOR ELEV. SEE PLAN 6" MIN. THICKNESS CRUSHED STONE — SIZE DESIGNATION 3 discrepancies to the Design Engineer prior to the start of construction. All work and materials shall comply with all applicable codes including, but not limited to the following: NYS Building Code, Local Zoning Code, ACI and AISC. --- PAVEMENT/ GRASS 6 HDPE OUTFLOW FILTER FABRIC UNDERNEATH The Contractor is responsible for all construction means and methods to implement the designs shown. 60" MAX. FOR ELEV. SEE PLAN 6" inlet pipe Safety during construction is the responsibility of the Contractor and shall conform to all Local, State and Federal PAVEMENT SUB-BASE PATIO Agencies' requirements OR TOP SOIL BACKFILL WALKWAY/PATIO 725 SF 9. The Contractor shall apply for and receive all necessary permits to perform the work shown on these plans prior to the 8" DIA. OPEN'G. start of construction. 10. Final grading shall be sloped away from the building and foundations. ADDITION 4° CONC SLAB W/ 6x6~10/10 WWF(3,500 PSI) 11. Unless noted, all drainage piping on this plan is to be 6" Rigid HDPE ASTM F810-07 or better. - 95% COMPACTED FILL 12. This storm water design plan is not designed to accept footing drains. Refer to Architectural plans for footing drain 458 SF _____ 1/2" MAS. JOINTS F24 CONECTOR design. Do not connect footing drains or sump pumps to this surface water drainage system. 13. If the drainage system is to be built in a filled area, the fill should be well drained material with a settling period of one 4 OZ. NON-WOVEN FILTER FABRIC AROUND STONE to three months prior to the system installation. Additional percolations are required after the settling period and the **GENERAL NOTES** Recharger unit by Cultec, Inc. of Brookfield, All recharger chambers must be installed in accordance system design will be revised as necessary. 14. Proposed Silt Fence to be installed along existing and proposed contours. with all applicable local, state and federal regulations. HOUSE Maintain 10 ft. clearance to buildings CULTEC CHAMBER 6" MIN. NG2 CRUSHED STONE 15. Orange Construction Fence to be installed along the limits of the proposed disturbance limits line. refer to Cultec, Inc.'s current recommended and private property lines. SEE PLAN FOR MODEL 1075 SF 16. Roof leaders to be connected to the drainage system with 6" rigid HDPE pipe at 2% min. slope or as shown. installation guidelines. 17. The Contractor and all Sub-Contractors must submit a "Contractor Certification Statement" as per section 294-8 of the receive runoff from the new additional Use recharger 330HD heavy duty for traffic Contractor 100 36" 40" 12.5" 1-2 INCH WASHED CRUSHED NYSDEC "Stormwater Pollution Prevention Plan" manual prior to the start of construction. STONE BENEATH AND 18. If imported fill material is required, it shall be certified in writing by a New York State licensed Professional Engineer Recharger 180HD 36" 39" 20.5" and/or H20 applications. impervious surfaces. AROUND CHAMBER BED as non-contaminated, clean fill suitable for the intended use. Percolation tests shall be performed by the Design Recharger 330XLHD 52" 58" 30.5" Engineer to demonstrate that the stormwater management practice will draw down the entire water quality volume Recharger 330HD heavy duty units are -AS REQUIRED SEE PLAN 6" INLET AT TOP Do not connect footing drains to this within 48 hours. The results of the percolation test (s) shall be submitted to the Municipal Engineer for review and marked with a color stripe formed into the ---4" OF 3/4" CUT STONE system . Install separate system for SEE PLAN FOR ACTUAL LOCATION AND ELEVATIONS OF PIPES IMPERVIOUS SURFACE TOTAL = 2258 sq.ft. part along the length of the chamber. 19. All proposed temporary seeding mixture shall be in accordance with the New York State Standards and Specifications the footing drains and sump pumps. for Urban Erosion Control, dated August 2005. DRAINAGE CALCULATION VICINITY MAP 20. New sewer laterals are required for all new construction. Laterals must be extra heavy cast iron or ductile iron pipe or TREE PROTECTION as directed by Municipal Engineer. Soil and Percolation Rate 21. Connection permits are is required from the Department of Public Works for Sewer, Water, and Storm Water System Soil percolation Tests were done at the site and performed in accordance with the procedure outlined in the "Stormwater Management: Westchester County Disbesia. 22. All trenches in the Municipality Right of Way must be backfilled with controlled density fill (k-crete) or as Stormwater Best Management Practices Manual Series." The rate on the tests performed directed by Municipal Engineer. were as follows 23. A street opening permit must be obtained from the Municipality, all work in the Right of Way and an Rate 10 min/3" DROP Perc Test H 36 inch deep inspection performed prior to back filling and final approvals. 12 inch dia. Replace or re-lay stone curb as directed by Municipal Engineer 25. A non-conversion agreement for the basement in Special Flood Hazard Zone must be signed and filed prior to the KARAH CRU/SU issuance of a C. of O. for properties subjected to flooding. This design procedure follows the procedure outlined on Page 6.23-6.25 26. Curb cut permit is required from the Department of Public Works. Curb cut maximum width is 18 feet. of the above mentioned Manual. 27. The contractor shall schedule with the Municipality a rough grading inspection prior to any framing of a building above FREE SPACE TO BE the first floor braced decking. Excess soils of significance shall be removed and disposed of upon completion of the rough Design Criteria KEPT CLEAR OF The impervious surface = AREA OF DISTURBANCE 1. Use the design storm criteria of 100 Year Storm, 24 Hour, Zero net increase in runoff. 28. The structures for the storm water management system shall be installed at the earliest date possible when the structure's roof is complete. The contractor shall consult with the Municipality and schedule this work upon completion 2. Provide subsurface disposal system consisting of Cultec Recharger 330XL and inspection of the rough grading activities. 5324 SF embedded in 1.5" to 2"crushed stone as per detail. 29. The contractor shall secure a Street Opening Permit with the Municipality for all work to take place on the right of way CORRECT METHOD OF TREE FENCING including construction of a new driveway apron, and installation of new service laterals. 3. Determine Soil Percolation Rate. 30. If necessary, the Contractor shall secure a Tree Removal Permit with the Municipality prior to the commencement of TREE PROTECTION NOTES: 1. THE CONTRACTOR SHALL INSTALL TEMPORARY WOODEN TREE GUARDS AROUND EXISTING TREES WHERE INDICATED, PRIOR TO COMMENCING WORK (SEE DETAIL). 2. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ALL EXISTING TREES AND THEIR SYSTEMS. ANY EXCAVATIPN WITHIN DRIPLINES SHALL BE KEPT TO A MINIMUM AND MUST BE COMPLETED BY HAND, OALY IN THE PRESENCE OF THE CONSTRUCTION INSPECTOR AND AT NO ADDITIONAL EXPENSE TO THE COUNTY. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY REMEDIAL WORK SUCH AS ROOT AND TOP PRUNING REQUIRED AND NECESSARY TO PREVENT LOSS OF PLANT MATERIAL. ALL CORRECTIVE WORK SHALL BE ACCORDING TO STANDARD ACCEPTED HORTICULTURAL PRACTICE AND PERFORMED BY A NEW YORK STATE LICENSED ABORISTS, AS DIRECTED BY DPW DESIGNATO CONSTRUCTION INSPECTOR. 3. STOCKPILLING OR STORAGE OF EQUIPMENT WILL NOT BE PERMITTED WITHIN THE DRIPLINE OF AND TREE. 4. ANY DAMAGE TO EXISTING TREES DURING CONSTRUCTION WILL BE THE CONSTRUCTOR'S RESPONSIBILITY. THE CONTRACTOR'S EXPENSE. 5. THE TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY WORK AND SHALL REMAIN UNTILL THE EBD OF ALL WORK A. Area of Soil Percolation (Ap construction activities. 31. Contractor required to provide Dig Safe NY ticket prior to issuance of permits. Surface Area of Cylinder (Ac Ac π X dia X h(Avg depth of water) 32. All work to conform to satisfaction of building inspector 3.14 X 33. Retaining walls required on all slopes exceeding 1V/1.5H Go were 2.61 S.F. 34. The builder shall furnish 6" perf CMP encased in stone wherever indicated by Inspector 35. Swales to be installed as directed by inspector Bottom Area of Cylinder EGEND $Ab = T X r^2$ 3.14) POST CONSTRUCTION MAINTENANCE S SEWER MANHOLE 3.14 OUTILITY POLE Ab= 0.79 S.F. STOCKPILE Ap= Ac + W WATER MANHOLE 4 . Land Owner to visually inspect all stormwater structures for sift and debris during May SIGN POST 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.) © ELECTRIC MANHOLE B. Volume of Percolation (Vp) X HYDRANT 2. De-compaction of soils following construction is recommended. This will not only aid in Vp= Ab X -11.8. CURTAIN DRAIN REMAINS @ 1.5% +110.6 FLAGSTONE D DRAIN MANHOLE WATER VALVE 0.20 $\boldsymbol{3}$. Verification of the ownership of any tree designated to be removed near the property line (M) MANHOLE C. Soil Percolation Rate (Sr) GAS VALVE Sr = (Volume(Vp)/ Area (Ap)/ (Time RatePER 3" DROP)) X 60 min. X 24hr. The infiltration system must not be connected until construction is 4 . The infiltration system must be maintained according to the manufacturers MELECTRIC BOX 3.39 / complete and the contributing area is stabilized. prop'd slate patie 8.33 C.F./S.F./DAY LIGHT POLE 8.33 - 25% CLOGGING FACTOR _ _ _ _ _ 102_ _ _ _ The area of the proposed infiltration system should be protected from **EROSION CONTROL NOTES** - GUY WIRES over-compaction during construction. The area should be fenced off EXISTING GRADE nstruction or the area should be de-compacted prior to 4. Calculate Required Storage Volume (Vs) (102) INSTALLATION & MAINTENANCE OF EROSION CONTROL TELE. MANHOLE installation of the infiltration units 100 Yr. Storm 24 Hour Rainfall is 9 inches Using the Table 3-2 on Page 3.7, Lawn with 75% Grass Cover PROPOSED GRADE CONSTRUCTION SCHEDULE Cut/fill material shall not be imported to the site. We anticipate in fair condition, and Hydrologic Charles for soils of this type. NOTIFY APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 5 DAYS PRIOR TO SF----SF---SF-approximately 172 CY of fill to be trucked off of site. The exist 174 The CN number for pavement is 98. 舒 14TREE 109.51 INV 104.80+110.3 SILT FENCE Using Table 3-4 on Page 3.10 for a 25 Yr. Storm the depth of runoff. The Building Inspector or Village Engineer may require additional prop'd 2 story /AREA OF DISTURBANCE EROSION CONTROL MEASURES erosion control measures if deemed appropriate to mitigate 1. Install all erosion control measures prior to start of & CHAIN LINK FENCE 9 inch 0.75 ft. (AS REQ'D BY MUNICIPALITY) TREE TO BE REMOVED unforeseen siltation and erosion of disturbed soils. construction. addition CONO PLATAND 2. Call for inspection from the appropriate Municipal Agency having jurisdiction at least 2 Volume of Storage R (Vs) As-Built drawings of the site improvements shall be submitted to ----Days prior to finish. Volume MACADAMWALKT 0.75 the Village Engineer for review prior to obtaining Certificate of INSPECTION BY MUNICIPALITY 1.3 Occupancy. MAINTENANCE (TO BE PERFORMED DURING ALL PHASES OF CONSTRUCTION) 5. Calculate Volume of Cultec Chamber (per L.I (Vw) 1 After any rain causing runoff, Contractor to inspect silt fences, etc. and remove any Infiltration system access ports shall be shown on the "As-Built excessive sediment and inspect stockpiles and correct and problems with seed Vw= Volume of Chamber + Volume of Gravel ONE STORY FRAME DWELLING 14.9 C.F./L.F. + establishment. Before the Site Plans are signed by the Chairman of the Planning 2 Inspections shall be documented in writing and submitted to the appropriate Municipal Vw= 23.55 C.F./L.F. 10/18/2020 COMMENTS GC board, the applicant shall be required to post a performance bond or CLEANSUT Agency having jurisdiction. 6, 24 Hour Percolation Rate Volume Per Cultec Chamber (Vp) (per L.F.) other type of acceptable monetary guaranty which shall be in an NO DATE DESC BY (TYP.) amount determined by the Planning Board and the Village Engineer Vp= bottom Surface Area of Gravel STOCK PILING OF EXCAVATED MATERIAL Soil Perc Rate (Sr) in a form satisfactory to the Village Attorney. 1 Strip Topsoil and Stockpile. **REVISIONS** Vp=(11 x Vp= 68.75 C.F./L.F./Day 2 Stockpile Excavation Subgrade. ZONING TABLE - 4 Bradley Street 3 Seed piles with 1 lb. total annual rye or remove from site ZONE: OF-4 REMOVE AND RE within two days. 7. 24 Hour Volume per Cultec Chamber (Vt) (per L.F.) TOTAL LOT AREA: 0.33 Acres (14,566.33SF) , INSTALL FENCE INSPECTION BY MUNICIPALITY AS NECESSARY SITE PLAN & STORMWATER & EROSION FINAL GRADING Vt= 92.30 C.F./L.F./Day CONTROL PLAN 1 Remove unneeded subgrade from site. 2 Call for inspection from the appropriate Municipal Agency having jurisdiction at least 2 days 8. Required Number of Cultec Chambers LEDGE & prior to finish. PREPARED FOR: JAMES OCONNOR STEPS INV 104.0 Dwr= Required Volume of Storage/ Total Volume per Cultec Chamber (/ L.F.) INSPECTION BY MUNICIPALITY 1694 C.F./ 92.30 C.F./L.F./Day 18.35 L.F. STREET: 4 BRADLEY ST LANDSCAPING 1 Spread topsoil evenly over areas to be seeded. Hand rake . WQ UNIT DOBBS FERRY, NEW YORK Du= Number of Units Required 18.35 L.F. / R-107.0 2 Broadcast 1 25lb. bag of Jonathan Green "Fastgrow" mix or 2.6 Cultec Chamber Units USE SECTION: DF3.90 BLOCK No. 61 equal over areas to be seeded. 3.0 units (two per row) SILT FENCE (SF) TAX LOT No.23 SOIL STOCKPILING (SS) EMITTE CURTAIN DRAIN DETAIL 10' min STABILIZE ENTIRE PILE LOCATED IN THE WITH VEGETATION OR COVE VILLAGE OF DOBBS FERRY WESTCHESTER COUNTY, NEW YORK FILTER FABRIC TOPSOIL CARTHAGE 15% COPYRIGHT GABRIEL E. SENOR, P.C. 2011 CONSTRUCTION **ENTRANCE** SECTION B SECTION A MACADAM MIN. SLOPE MIN. SLOPE 90 NORTH CENTRAL AVE., HARTSDALE, NEW YORK, 10530 ---- STRAWBALES OR SILTFENCE ORANGE FENCE DETAIL PVC PIPE • (914) 422-0070 FAX 422-3009 CURB TOE-IN METHOD JOINING SECTIONS OF FENCING 874° 27' 00°E 71.00' / 10' min. 48" HIGH DENSITY ORANGE POLYETHELENE SAFETY FENCS **INSTALLATION NOTES** CROSS SECTION BRADLEY! INSTALLATION NOTES STAKES; 72' T-POST DRIVEN 20' MIN. BELOW GRADE 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE. EXCAVATE A 4 INCH * 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE. 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2. SCALE: 1" = 10' 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW). 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED **DATE: AUGUST 12, 2020** DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION FROM THE TRENCH BOTTOM DRAWN BY: CHECKED BY: 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. 4. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILTFENCE. CURB 5. JOIN SECTIONS AS SHOWN ABOVE. **SEE SITE SURVEY FOR ENTIRE LOT

.₲WG Drawings\tax maps\DF3.90-61-23.dwg, 10/21/2020 2:48:23 PM

ELEVATION / PROFILE

BOUNDARIES**

SHEET 1 OF 1