

## LEGEND

PROPERTY LINE	---
PROPOSED WALKWAY/PATIO	----
PROPOSED STONE MASONRY WALL	-----
PROPOSED CONTOUR	---202---
PROPOSED SPOT GRADE	+209.00
PROPOSED STORM PIPE	-----
PROPOSED DRAIN INLET	⊠
TEMPORARY INLET PROTECTION	⊠ IP
TEMPORARY SILT FENCE	- X - X - SF
TEMPORARY SOIL STOCKPILE AREA	⊠ SS
TEST PIT LOCATION	TP-1
PROPOSED LIMIT OF DISTURBANCE	----

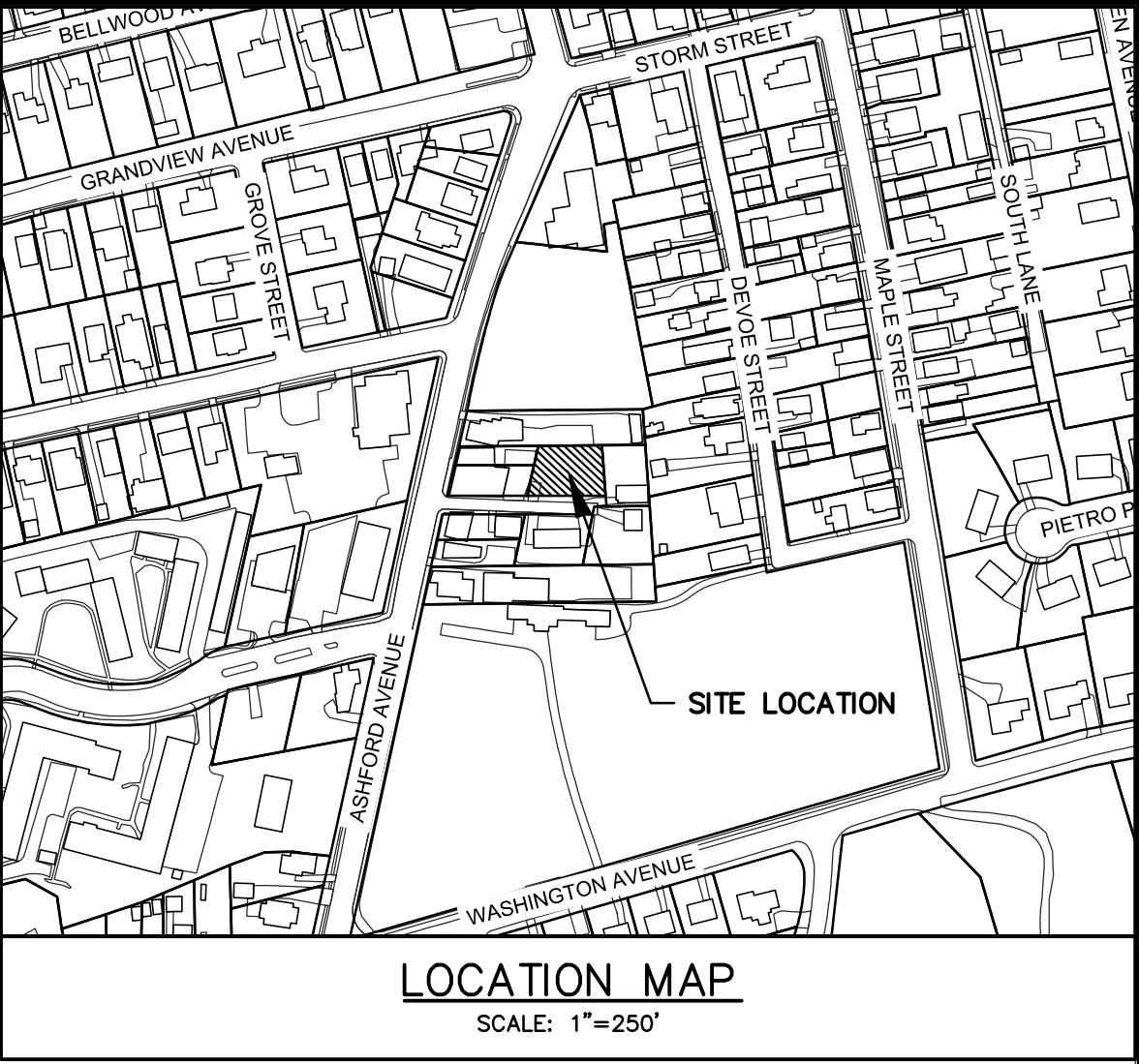
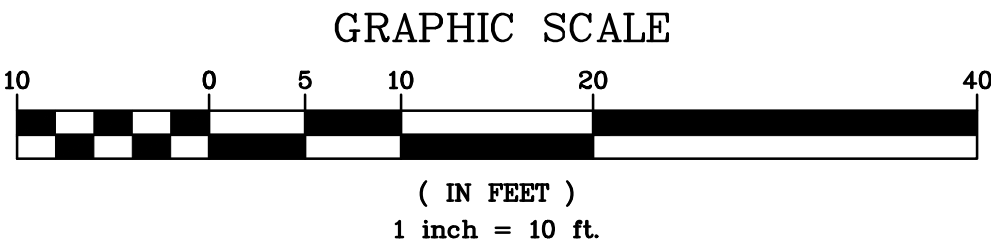
## TEST HOLE DATA:

TEST HOLE #1  
DEPTH - 110"  
0-6" TOPSOIL  
6-16" BROWN SILTY LOAM  
16-42" ORANGE BROWN COMPACT SILTY LOAM  
42-64" BROWN COMPACT CLAY LOAM  
16-110" BROWN SAND  
NO GROUNDWATER  
NO LEDGE ROCK  
PERC. = 10" INCHES/HOUR

TEST HOLE #2  
DEPTH - 96"  
0-6" TOPSOIL  
6-22" BROWN SILTY LOAM  
22-54" ORANGE BROWN COMPACT SILTY LOAM  
WITH SPOTS OF CLAY  
55-96" COMPACT SANDY LOAM  
NO GROUNDWATER  
NO LEDGE  
PERC. = 25.71" INCHES/HOUR

TEST HOLE #3  
DEPTH - 98"  
0-6" TOPSOIL  
6-22" BROWN SILTY LOAM  
22-51" ORANGE BROWN COMPACT SILTY LOAM  
WITH SPOTS OF CLAY  
51-98" BROWN COMPACT SANDY LOAM  
NO GROUNDWATER  
NO LEDGE  
PERC. = 18" INCHES/HOUR

TEST HOLE #4  
DEPTH - 108"  
0-16" TOPSOIL  
16-33" BROWN ORANGE SILTY LOAM  
33-56" COMPACT BROWN CLAY LOAM  
56-108" COMPACT BROWN SANDY LOAM  
NO GROUNDWATER  
NO LEDGE  
PERC. = 6" INCHES/HOUR



## GENERAL NOTES:

- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
- NO CHANGES SHALL BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C., A.S.C., ZONING, AND THE NEW YORK STATE BUILDING CODE.
- ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
- ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER AND ANY SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTACT WITH THE CONTRACTOR.
- SAFETY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL AGENCIES IN EFFECT DURING THE PERIOD OF CONSTRUCTION.
- THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL MAKE APPLICATION TO RECEIVE ALL NECESSARY PERMITS TO PERFORM THE WORK UNDER CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE LICENSED TO DO ALL WORK AS REQUIRED BY THE LOCAL, COUNTY, AND STATE AGENCIES WHICH MAY HAVE JURISDICTION OVER THOSE TRADES, AND SHALL PRESENT THE OWNER WITH COPIES OF ALL LICENSES AND INSURANCE CERTIFICATES.
- FINAL GRADING AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
- ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
- ADJOINING PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, REMODELING AND DEMOLITION WORK. PROTECTION MUST BE PROVIDED FOR FOOTINGS, PARTIAL WALLS, CHIMNEYS, SKYLIGHTS AND ROOFS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING AN EXCAVATION TO BE MADE SHALL PROVIDE WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJOINING BUILDING SHOULD BE PROTECTED. SAID NOTIFICATION SHALL BE DELIVERED NOT LESS THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF THE EXCAVATION.
- OWNER SHALL INSURE THAT THE INSURANCE PROVIDED BY THE CONTRACTOR HIRED TO PERFORM THE WORK SHALL BE ENDORSED TO NAME HUDSON ENGINEERING & CONSULTING, P.C., AND ANY DIRECTORS, OFFICERS, EMPLOYEES, SUBSIDIARIES, AND AFFILIATES, AS ADDITIONAL INSURED ON ALL POLICIES AND HOLD HARMLESS DOCUMENTS, AND SHALL STIPULATE THAT THIS INSURANCE IS PRIMARY, AND THAT ANY OTHER INSURANCE OR SELF-INSURANCE MAINTAINED BY HUDSON ENGINEERING & CONSULTING, P.C., SHALL BE EXCESS ONLY AND SHALL NOT BE CALLED UPON TO CONTRIBUTE WITH THIS INSURANCE. ISO ADDITIONAL INSURED ENDORSEMENT FORM NUMBER CG2010 1185 UNDER GL. COPIES OF THE INSURANCE POLICIES SHALL BE SUBMITTED TO HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
- INDUSTRIAL CODE RULE 753: THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO THE START OF HIS OPERATIONS AND SHALL COMPLY WITH ALL THE LATEST INDUSTRIAL CODE RULE 753 REGULATIONS.

## INSTALLATION & MAINTENANCE OF EROSION CONTROL:

CONSTRUCTION SCHEDULE  
NOTIFY APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 5 DAYS PRIOR TO START.

EROSION CONTROL MEASURES  
INSTALL ALL EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION.  
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY  
MAINTENANCE (TO BE PERFORMED DURING ALL PHASES OF CONSTRUCTION)

AFTER ANY RAIN CAUSING RUNOFF, CONTRACTOR TO INSPECT HAYBALES, ETC. AND REMOVE ANY EXCESSIVE SEDIMENT AND INSPECT STOCKPILES AND CORRECT ANY PROBLEMS WITH SEED ESTABLISHMENT.  
INSPECTIONS SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION.

INSPECTION BY MUNICIPALITY - FINAL GRADING  
REMOVE UNNEEDED SUBGRADE FROM SITE.  
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY - LANDSCAPING  
SPREAD TOPSOIL EVENLY OVER AREAS TO BE SEED. HAND RAKE LEVEL.  
BROADCAST 1.25 LB. BAG OF JONATHAN GREEN "FASTGROW" MIX OR EQUAL OVER AREA TO BE SEED. APPLY STRAW MULCH AND WATER WITHIN 2 DAYS OF COMPLETION OF TOPSOILING. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY - FINAL LANDSCAPING  
GRASS ESTABLISHED.  
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY - FINAL INSPECTION  
ALL EROSION CONTROL MEASURES REMOVED AND GRASS ESTABLISHED.  
CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

## CONSTRUCTION SEQUENCING:

- THE FOLLOWING EROSION CONTROL SCHEDULE SHALL BE UTILIZED:
- ESTABLISH A CONSTRUCTION ENTRANCE TO THE DEVELOPMENT AREA.
  - ESTABLISH CONSTRUCTION STAGING AREA.
  - INSTALL TREE PROTECTION ON TREES AS NOTED ON PLANS.
  - SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION.
  - INSTALL SILT FENCE DOWN SLOPE OF ALL AREAS TO BE DISTURBED AS SHOWN ON THE PLAN.
  - STRIP TOPSOIL AND STOCKPILE AT THE LOCATIONS SPECIFIED ON THE PLANS (UP GRADIENT OF EROSION CONTROL MEASURES). TEMPORARILY STABILIZE TOPSOIL STOCKPILES (HYDROSEED DURING MAY 1<sup>ST</sup> THROUGH OCTOBER 31<sup>ST</sup> PLANTING SEASON OR BY COVERING WITH A TARPULIN(S) NOVEMBER 1<sup>ST</sup> THROUGH APRIL 30<sup>TH</sup>. INSTALL SILT FENCE AROUND TOE OF SLOPE.
  - DEMOLISH ANY EXISTING SITE FEATURES AND/OR STRUCTURES NOTED AS BEING REMOVED ON THE CONSTRUCTION DOCUMENTS, AND DISPOSE OF OFF-SITE.
  - ROUGH GRADE SITE.
  - EXCAVATE AND INSTALL EXFILTRATION SYSTEMS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. EXFILTRATION SYSTEMS SHALL BE TEMPORARILY PLUGGED UNTIL THE COMPLETION OF CONSTRUCTION AND THE SITE IS STABILIZED.
  - INSTALL ALL PRETREATMENT DEVICES, CATCH BASINS AND PIPING.
  - EXCAVATE AND CONSTRUCT FOUNDATIONS FOR NEW RESIDENCE.
  - CONSTRUCT BUILDINGS.
  - FINE GRADE AND SEED ALL DISTURBED AREAS. CLEAN DRAIN LINES, CATCH BASINS, PRETREATMENT DEVICES AND EXFILTRATION SYSTEMS. ENSURE GRASS STAND IS ACHIEVED.
  - UNPLUG INFILTRATION/EXFILTRATION SYSTEMS. CONNECT ALL PROPOSED PIPING TO PREVIOUSLY INSTALLED EXFILTRATION/ATTENUATION GALLERIES.
  - INSTALL 4"-6" TOPSOIL, FINE GRADE, SEED THE ENTIRE PROJECT SITE AND INSTALL LANDSCAPE PLANTINGS. SPREAD SALT HAY OVER SEED. AREAS.
  - REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION.

\*SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR WEEKLY AND PRIOR TO AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT.

## STORMWATER MANAGEMENT FACILITIES MAINTENANCE PROGRAM

THE FOLLOWING MAINTENANCE PLAN HAS BEEN DEVELOPED TO MAINTAIN THE PROPER FUNCTION OF ALL DRAINAGE AND EROSION AND SEDIMENT CONTROL FACILITIES:

- MINIMIZE THE USE OF ROAD SALT FOR MAINTENANCE OF DRIVEWAY AREAS.
- DRAINAGE INLETS SHALL BE VACUUM SWEEPED TWICE A YEAR, AT THE CONCLUSION OF THE LANDSCAPE SEASON IN THE FALL AND AT THE CONCLUSION OF THE SAND AND DE-ICEING SEASON IN THE SPRING. INSPECT EXFILTRATION/ATTENUATION GALLERY FOR SEDIMENT AND REMOVE SAME IF FOUND.

THE PERMANENT MAINTENANCE PROGRAM WILL BE MANAGED BY THE FUTURE HOMEOWNERS UPON COMPLETION OF CONSTRUCTION AND ACCEPTANCE OF THE IMPROVEMENTS.

## NOTES:

- THE BUILDING INSPECTOR OR VILLAGE ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF DEEMED APPROPRIATE TO MITIGATE UNFORESEEN SILTATION AND EROSION OF DISTURBED SOILS.
- "AS-BUILT" DRAWINGS OF THE SITE IMPROVEMENTS SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW PRIOR TO OBTAINING CERTIFICATE OF OCCUPANCY.
- THE INFILTRATION SYSTEM MUST NOT BE CONNECTED UNTIL CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- ALL EXISTING TREES SHALL BE PROTECTED WITH A MINIMUM OF 6-INCHES OF WOOD CHIPS OR MULCH IN AREAS PRONE TO COMPACTION DUE TO CONSTRUCTION ACTIVITIES.
- WHEN TREE ROOTS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL NEVER BE PULLED WITH MACHINERY. WHERE NECESSARY, CUT ROOTS CLEANLY AND BRIDGE WHEN POSSIBLE.
- WORK WITHIN DRIP LINE OF TREES SHALL BE COMPLETED BY HAND.

## Cut/Fill Summary

Name	Cut	Fill	Net
CUT-FILL	276.02 Cu. Yd.	214.07 Cu. Yd.	61.95 Cu. Yd.<Cut>
Totals	276.02 Cu. Yd.	214.07 Cu. Yd.	61.95 Cu. Yd.<Cut>

## NOTES:

- THE PROPERTY IS LOCATED APPROXIMATELY 0.77 MILES FROM THE HUDSON RIVER AND THERE ARE NO WETLANDS/WATERCOURSES IN THE VICINITY OF THE PROPERTY.
- THE VILLAGE ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF DEEMED APPROPRIATE TO MITIGATE UNFORESEEN SILTATION AND EROSION OF DISTURBED SOILS.
- AS-BUILT PLANS OF THE PROPOSED DRIVEWAY AND DRAINAGE IMPROVEMENTS SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
- FILL MATERIAL IMPORTED TO THE SITE SHALL BE CERTIFIED IN WRITING BY A NEW YORK LICENSED PROFESSIONAL ENGINEER AS CLEAN, NON-CONTAMINATED FILL SUITABLE FOR THE INTENDED USE.
- BEFORE THE SITE PLAN IS SIGNED BY THE CHAIRMAN OF THE PLANNING BOARD, THE APPLICANT SHALL BE REQUIRED TO POST A PERFORMANCE BOND OR OTHER TYPE OF ACCEPTABLE MONETARY GUARANTY WHICH SHALL BE IN AN AMOUNT DETERMINED BY THE PLANNING BOARD AND THE VILLAGE ENGINEER AND IN A FORM SATISFACTORY TO THE VILLAGE ATTORNEY.
- THE APPLICANT SHALL NOTIFY THE BUILDING DEPARTMENT OR VILLAGE'S CONSULTING ENGINEER IN WRITING AT LEAST 48 HOURS BEFORE ANY OF THE FOLLOWING SO THAT ANY INSPECTION MAY BE PERFORMED.
  - START OF CONSTRUCTION.
  - INSTALLATION OF SEDIMENT AND EROSION CONTROL MEASURES.
  - COMPLETION OF SITE CLEARING.
  - INSTALLATION OF SMP'S.
  - COMPLETION OF FINAL GRADING AND STABILIZATION OF DISTURBED AREAS.
  - CLOSURE OF CONSTRUCTION.
  - COMPLETION OF FINAL LANDSCAPING; AND
  - SUCCESSFUL ESTABLISHMENT OF LANDSCAPING IN PUBLIC AREAS
- "THE OWNER OR OPERATOR SHALL HAVE A QUALIFIED INSPECTOR INSPECT AND DOCUMENT THE EFFECTIVENESS OF ALL EROSION AND SEDIMENTATION CONTROL PRACTICES AND PREPARE INSPECTION REPORTS AT LEAST ONCE A MONTH. THESE REPORTS MUST BE KEPT ON SITE AND AVAILABLE FOR REVIEW."
- THE RESTORATION FOR ANY WORK PERFORMED WITHIN THE VILLAGE RIGHT-OF-WAY SHALL BE PERFORMED TO THE SATISFACTION OF THE VILLAGE ENGINEER AND DEPARTMENT OF PUBLIC WORKS.

## OWNER:

ENGLISH TOWN HOMES LLC  
78 MAIN STREET DOBBS FERRY NY 10522

13 ENGLISH LANE STORMWATER  
MANAGEMENT PLAN BASED UPON EXISTING  
INFORMATION PROVIDED BY SUMMIT LAND  
SURVEYING, DATED APRIL 22, 2020

REVISIONS	DATE	BY
1	05/14/20	A.Y.
2	05/17/20	M.S.

THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE

PROJECT:  
PROPOSED DWELLING  
13 ENGLISH LANE  
VILLAGE OF DOBBS FERRY  
WESTCHESTER COUNTY - NEW YORK

## STORMWATER MANAGEMENT PLAN

## HUDSON

## ENGINEERING

CONSULTING, P.C.  
45 Knollwood Road, Suite 201  
Elmsford, New York 10523

T: 914-909-0420  
F: 914-560-2086

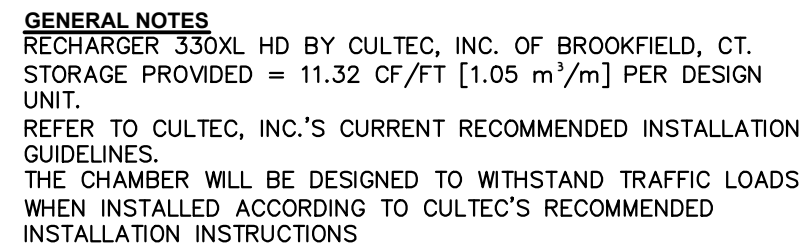
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Date: 08/24/20 Sheet:  
Scale: 1" = 10' 1  
Designed By: A.Y.  
Checked By: M.S.  
Sheet No. 2

# C-1





ALL RECHARGER 330XL HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.  
ALL RECHARGER 330XL HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS

CAMPBELL FRAME & GRATE #4152

CAP

6" CRUSHED STONE GRAVEL

4" SDR-35 PVC

45° BEND

45° WYE

SEWER LATERAL (STORM OR SANITARY)

FLOW

NOTES (SANITARY SEWER SERVICES)

1. ALL SANITARY SEWER SERVICES TO BE 4" SCH. 40 4 @ 1.0% MINIMUM.
  2. IN ACCORDANCE WITH THE NYS RESIDENTIAL BUILDING CODE, THE FOLLOWING REQUIREMENTS APPLY:
    - A. CLEANSUITS SHALL BE INSTALLED NOT MORE THAN 100 FEET APART IN HORIZONTAL DRAINAGE LINES (P3005.2.2).
    - B. CLEANSUITS SHALL BE INSTALLED AT EACH CHANGE OF DIRECTION OF THE DRAINAGE SYSTEM GREATER THAN 45 DEGREES.
    - C. CLEANSUITS SHALL BE INSTALLED AT SUCH LOCATIONS THAT THE CLEANSUIT OPENING IS IN THE DIRECTION OF THE FLOW OF THE DRAINAGE LINE (P3005.2.8).
- NOTES (STORM SEWER):
1. CLEANSUIT SIZE AND/OR SPECIFIC PIPE SIZING AND SLOPE SPECIFICATIONS; HOWEVER, IN GENERAL, ALL STORM SEWER SERVICES TO BE 6" SCH. 40 @ 1.0% MINIMUM.
  2. CLEANSUITS SHALL BE PLACED BEFORE SIGNIFICANT PIPE BEND LOCATIONS (I.E., JUNCTIONS, 90-DEGREE BENDS, ETC.) UNLESS A ROOF LEADER DOWNSPOUT CONNECTION IS PROPOSED.

Technical drawing of a stone wall cross-section. The wall is constructed from random laid stone, with a height of 12 feet. The wall is set on a compacted gravel base, which is 2 feet thick. The wall is topped with a 2-inch PVC weep hole at 10 feet on center. The wall is shown in cross-section, with the stone wall on the right and the compacted gravel base on the left. The wall is 2 feet thick at the top and bottom. The wall is shown in cross-section, with the stone wall on the right and the compacted gravel base on the left. The wall is 2 feet thick at the top and bottom. The wall is shown in cross-section, with the stone wall on the right and the compacted gravel base on the left. The wall is 2 feet thick at the top and bottom.

NOTE:

1. "T" AT EVERY POINT MUST BE EQUAL OR GREATER THAN H/2.
2. THE FIELDSTONE WALLS DESIGN SHOULD ONLY BE USED FOR VERTICAL GRADE SEPARATIONS OF 6 FEET OR LESS ON SITE.

Diagram illustrating the cross-section of a culvert installation, showing the culvert structure, surrounding fill, and inspection port details.

Labels and components shown in the diagram:

- 6" SCH. 40 PVC OR SDR-35 PVC PIPE RISER
- 6" SDR-35/SCH.40 PVC ENDCAP CLEAN-OUT ADAPTER W/ SCREW-IN CAP
- FINISHED GRADE
- NATURALLY COMPACTED FILL
- REFER TO RECOMMENDED MIN. — MAX. BURIAL REQUIREMENTS
- CULTEC NO. 410 NON-WOVEN GEOTEXTILE AROUND STONE, TOP AND SIDES MANDATORY, BOTTOM PER ENGINEER'S DESIGN PREFERENCE
- 1 - 2 IN. DIA. WASHED, CRUSHED STONE SURROUNDING CHAMBER AND INSPECTION PORT ASSEMBLY FROM BOTTOM TO FINAL ELEVATION (THIS CHAMBER ONLY)
- TYPICAL CULTEC CHAMBER
- 6" INTERNAL COUPLING
- INSPECTION PORT

Diagram illustrating the installation of a soil stockpiling structure. The structure is a circular containment area with a conical pile of material inside. The pile is covered with vegetation or cover. The structure has a minimum slope on the sides and a silt fence at the base. Labels include: SOIL STOCKPILING, STABILIZE ENTIRE PILE WITH VEGETATION OR COVER, 2, 1, SLOPE OR LESS, MIN. SLOPE, SILT FENCE, and INSTALLATION NOTES.

**INSTALLATION NOTES:**

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. SOIL OR FILLS TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHOULD BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
3. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
4. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
5. STOCKPILES REMAINING IN PLACE FOR MORE THAN A WEEK SHOULD BE SEEDED AND COVERED OR COVERED WITH GEOTEXTILE WITH GEOTEXTILE.
6. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

The diagram illustrates the Toe-In Method in two parts. The left part is a cross-sectional view showing a vertical post driven into the ground. A support net is attached to the top of the post, and filter fabric is wrapped around it. Backfill is placed around the post. An arrow indicates the flow of material from the native soil into the filter fabric. The right part is a top view showing two rectangular sections, Section A and Section B, separated by a coupler. Posts are located at the corners of the sections. The sections contain dark, irregular shapes representing contaminants. The ground surface is shown with some vegetation.

**TOE-IN METHOD**

### INSTALLATION NOTES:

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 (NET SIDE AWAY FROM DIRECTION OF FLOW).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
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.

**STONE & BLOCK PLAN VIEW**

DEWATERING  
CONCRETE BLOCK  
2:1 SLOPE  
GRAVEL FILTER

**STONE & BLOCK DETAIL**

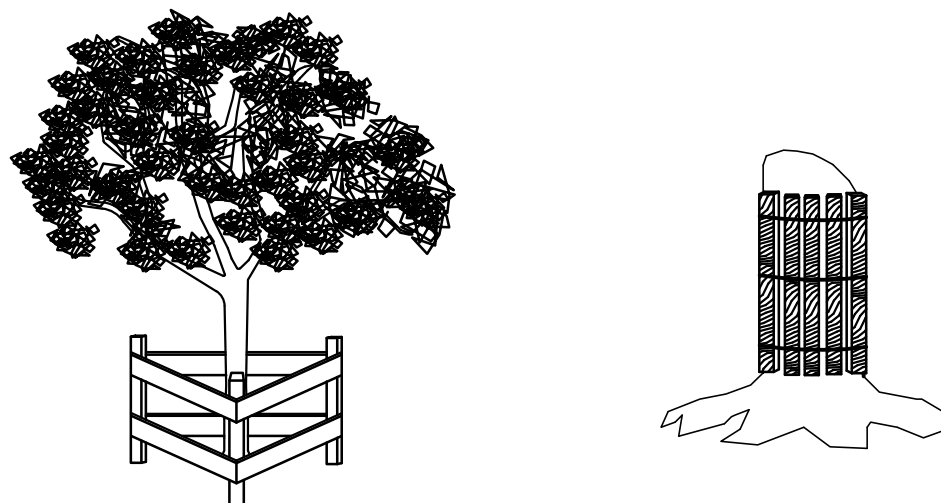
TEMPORARY SEDIMENT POOL  
1' MIN.  
2' MAX.  
SEDIMENT  
WIRE SCREEN  
DEWATERING  
16"  
2"  
DROP INLET WITH GATE  
3:1 SLOPE  
1'  
WIRE SCREEN  
TEMPORARY SEDIMENT POOL  
2' MIN.  
2' MAX.  
FINE GRAVEL FACE (1' MIN. THICKNESS)  
3" STONE  
"DOUGHNUT" DETAIL

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARECLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.

MAXIMUM DRAINAGE AREA 1 ACRE.

A diagram showing a large tree with a thick trunk and a wide, spreading canopy. A dashed line extends from the outer edge of the canopy, labeled "DRIP LINE". Below the tree, a fence is shown. The fence consists of a "ROAD FENCE" (a simple post-and-rail fence) and a "CORD FENCE" (a fence made of horizontal cords or wires). The "CORD FENCE" is positioned closer to the tree, and the "ROAD FENCE" is further away. The "SNOW FENCE" label points to the "CORD FENCE".

## CORRECT METHODS OF TREE FENCING



### TRIANGULAR BOARD FENCE

## CORRECT TRUNK ARMORING

2	REVISED PER SITE LAYOUT CHANGES		10/14/20
1	REVISED PER VILLAGE COMMENTS		09/17/20

PROJECT:

PROPOSED DWELLING  
13 ENGLISH LANE  
VILLAGE OF DOBBS FERRY  
WESTCHESTER COUNTY - NEW YORK

## DETAILS

**HUDSON**  
**ENGINEERING**

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Date:	08/24/20	Sheet:	2
Scale:	N.T.S.		
Designed By:	A.Y.		
Checked By:	M.S.		
Sheet No.			

C-2

ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.