

OWNER:  
ZACHARY ROTH  
253 PALISADE AVENUE  
DOBBS FERRY NY 10522

TEST HOLE DATA:  
TEST HOLE #1  
DEPTH = 84"  
0-6" TOPSOIL  
6-60" BROWN SANDY LOAM  
60-84" VERY ROCKY SANDY LOAM  
NO GROUNDWATER  
NO LEDGE ROCK  
PERC. = 45" INCHES/HOUR

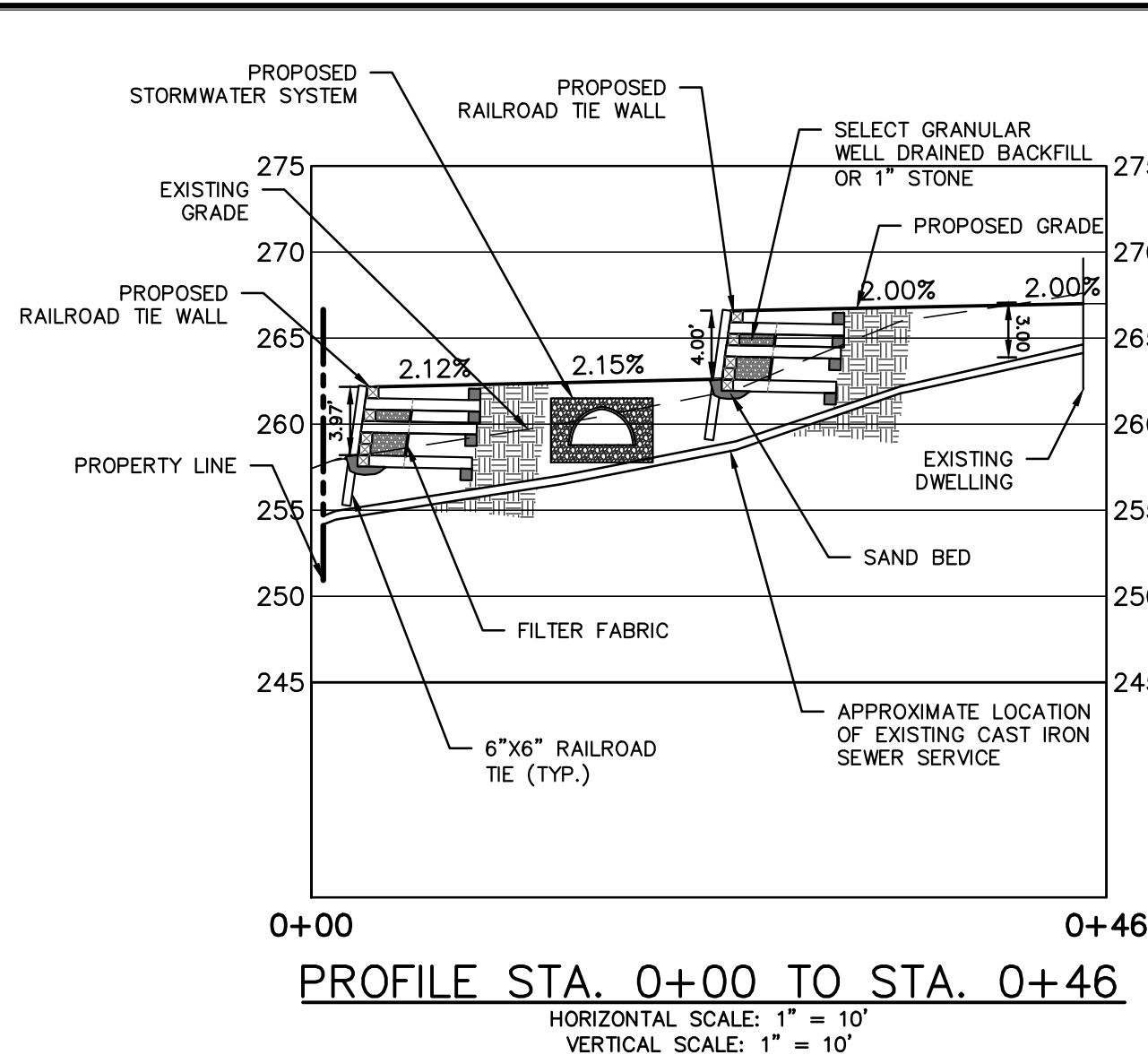
- NOTES:**
- ALL EXISTING TREES ALONG THE PERIMETER OF THE SITE SHALL BE PROTECTED WITH A MINIMUM OF 6-INCHES OF WOOD CHIPS OR MULCH IN AREAS PRONE TO COMPACTION DUE TO CONSTRUCTION ACTIVITIES.
  - WHEN TREE ROOTS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL NEVER BE PULLED WITH MACHINERY. WHERE NECESSARY, CUT ROOTS CLEANLY AND BRIDGE WHEN POSSIBLE.
  - WORK WITHIN DRIP LINE OF TREES SHALL BE COMPLETED BY HAND.
  - THE INFILTRATION SYSTEM MUST NOT BE CONNECTED UNTIL CONSTRUCTION IS COMPLETE AND THE CONTRIBUTING AREA IS STABILIZED.

**Cut/Fill Summary**

Name	Cut	Fill	Net
CUT & FILL	3.94 Cu. Yd.	122.07 Cu. Yd.	118.13 Cu. Yd.<Fill>
Totals	3.94 Cu. Yd.	122.07 Cu. Yd.	118.13 Cu. Yd.<Fill>

ZONING ANALYSIS TABLE			
DISTRICT: OF5 (One-Family Residence)			
REGULATION	REQ'D	EXISTING	PROPOSED
Lot size (s.f.)	7,500	5,307.00	5,307.00
Min. Lot Width (ft.)	75	50.02	50.02
Min. Lot Depth (ft.)	100	104.29	104.29
Min. Yards			
- Front (ft.)	25	13.10	13.10
- Side 1 (ft.)	10	2.70	2.70
- Side Both (ft.)	25	14.70	14.70
- Rear (ft.)	25	44.00	44.00
Max. Bldg. Coverage (%)	25%	25%	25%
Max. Impervious Cov. (%)	44%	37%	39%

LOT COVERAGE CALCULATIONS		
SHEET: 3.160 BLOCK: 139 LOT: 12		
ZONE: OF5	EXISTING (sf)	PROPOSED (SF)
AREA OF LOT:	5,307	5,307
DWELLING:	1,321	1,321
WALKWAYS, WALLS, & STEPS:	406	406
WINDOW WELLS:	8	8
PORCH:	37	37
DRIVEWAY:	116	116
REAR WALL & STEPS:	54	202
TOTAL COVERAGE (SF):	1,942	2,090



- NOTES:**
- SHOULD ROCK BLASTING BE REQUIRED, A PERMIT APPLICATION IN ACCORDANCE WITH CHAPTER 125-BLASTING AND EXPLOSIVES OF THE VILLAGE OF DOBBS FERRY CODE MUST BE SUBMITTED TO THE VILLAGE BY THE APPLICANT FOR REVIEW/APPROVAL.
  - THE VILLAGE ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF DEEMED APPROPRIATE TO MITIGATE UNIFORM EROSION OF DISTURBED SOILS.
  - AS-BUILT PLANS OF THE PROPOSED WALLS 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.

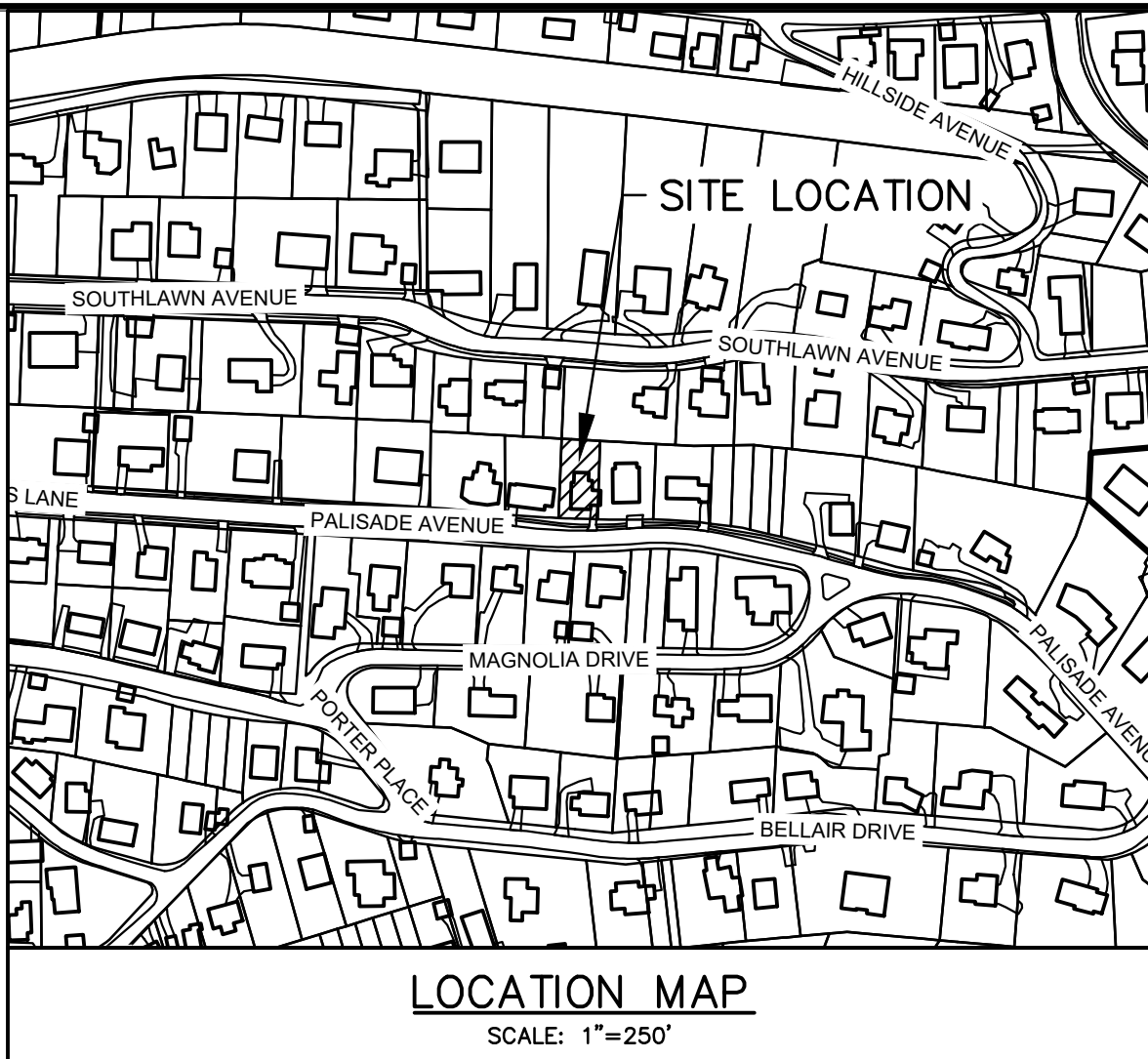
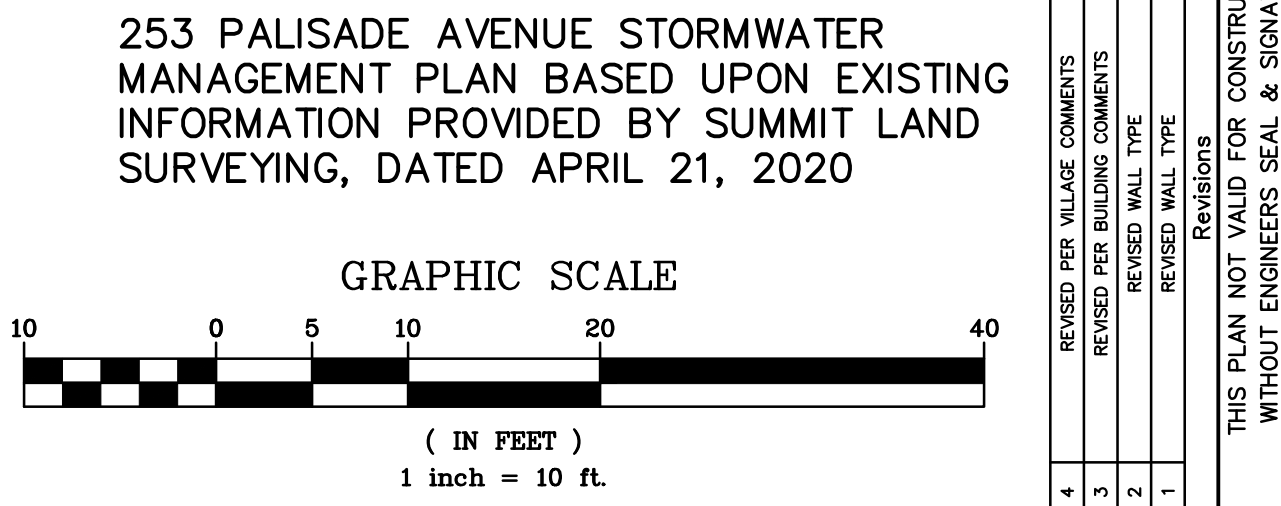
**STORMWATER MANAGEMENT FACILITIES MAINTENANCE PROGRAM**

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 SWEEP TWICE A YEAR, AT THE CONCLUSION OF THE LANDSCAPE SEASON IN THE FALL AND AT THE CONCLUSION OF THE SAND AND DE-ICING 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.

- 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 UPON 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 TARP(AULIN(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.
  - EXCAVATE AND INSTALL EXFILTRATION SYSTEMS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. EXFILTRATION SYSTEMS SHALL BE TEMPORARILY STABILIZED UNTIL THE COMPLETION OF CONSTRUCTION AND THE SITE IS STABILIZED.
  - ROUGH GRADE SITE.
  - CONSTRUCT RETAINING WALLS.
  - INSTALL ALL PRETREATMENT DEVICES, CATCH BASINS AND PIPING.
  - 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 INFILTRATION/EXFILTRATION SYSTEMS.
  - INSTALL 4"-6" TOPSOIL, FINE GRADE, SEED THE ENTIRE PROJECT SITE AND INSTALL LANDSCAPE PLANTINGS. SPREAD SALT HAY OVER SEEDS 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.



- 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, FOUNDATIONS, 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 SEEDS. HAND RAKE LEVEL. BROADCAST 1.25 LB. BAG OF JONATHAN GREEN "FASTGROW" MIX OR EQUAL OVER AREA TO BE SEEDS. 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.

253 PALISADE AVENUE STORMWATER  
MANAGEMENT PLAN BASED UPON EXISTING  
INFORMATION PROVIDED BY SUMMIT LAND  
SURVEYING, DATED APRIL 21, 2020

PROJECT:  
PROPOSED SITE IMPROVEMENTS  
253 PALISADE AVENUE  
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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12/21/20  
REVISED PER VILLAGE COMMENTS  
10/29/20  
REVISED PER BUILDING COMMENTS  
09/24/20  
REVISED WALL TYPE  
08/27/20  
Revisions

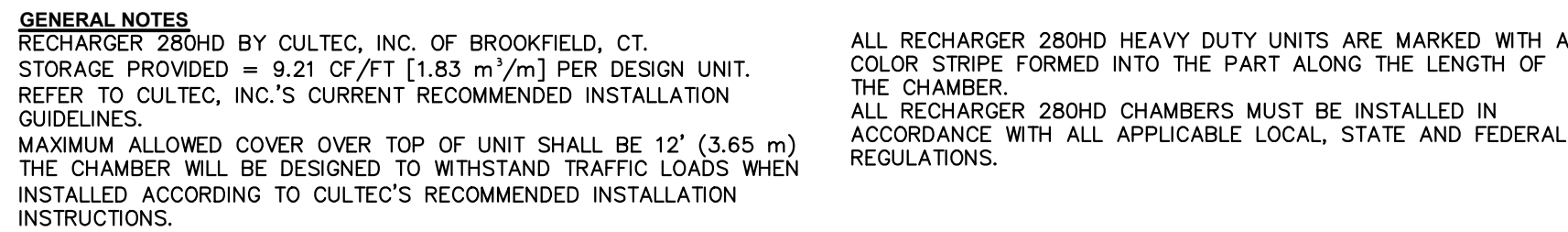
THIS PLAN NOT VALID FOR CONSTRUCTION  
WITHOUT ENGINEER'S SEAL & SIGNATURE

DATE: 06/09/20 SHEET: 1  
SCALE: 1" = 10'  
DESIGNED BY: A.Y.  
CHECKED BY: W.S.  
SHEET NO. 2

STATE OF NEW YORK  
MICHAEL J. STEIN  
LICENSED PROFESSIONAL ENGINEER  
No. 60851

C-1





2 1/2" O.D. END POST WITH DOME POST TOP

TOP RAIL 1 5/8" O.D.

LINE POST (2 1/2" O.D.)

INSTALL TENSION BARS AT ALL CORNERS & FENCE OPENINGS

MID RAIL 1 5/8" O.D.

1" X 9 GAUGE GALVANIZED WIRE FENCE

TENSION WIRE

10' MAX

ADJUSTABLE TRUSS BAR

24"Ø CLASS A CONCRETE (4,000 PSI) BASE

6"

2"

36"

12"

**NOTE:**

1. CORNER POSTS SHALL BE USED AT SHARP BREAKS IN VERTICAL GRADE, AND CHANGES IN HORIZONTAL ALIGNMENT OF 15 DEG. AND OVER.
2. PULL POSTS SHALL BE USED EVERY 500' ON STRAIGHT RUNS OF CHAIN LINK FENCE OR AS DIRECTED BY THE ENGINEER.



NOT TO SCALE

- 1) ALL WOOD TO BE TREATED IN ACCORDANCE WITH AMERICAN WOOD-PRESERVERS ASSOCIATION C2 OR C9.
- 2) ALL RAILROAD TIES RETAINING WALL SHALL BE CONSTRUCTED WITH NEW TIMBERS.
- 3) ALL RAILROAD TIES SHALL BE SOUND, UNWARPED WITH SQUARED ENDS AND EDGES AND WITHOUT MAJOR SLOITS OR DEFECTS.
- 4) ALL CORNER CONSTRUCTION SHALL BE DOVE TAILED WITH ENDS CUT FOR A GOOD FIT.
- 5) FASTENERS SHALL BE STANDARD 10" R.R. SPIKES OR 1/2"x24" STEEL RODS IN DRILLED HOLES. THE BOTTOM COURSE SHALL BE ANCHORED WITH TWO (2) 30" STEEL RODS DRIVEN INTO THE GROUND FOR EVERY TIE.
- 6) OVERLAPPING JOINTS SHALL BE PROPERLY SPIKED OR TIED TO MEMBER BELOW.



## INSTALLATION NOTES

**INSTALLATION NOTES:**

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. STOCKS OR PILES 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 1:2.
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 MULCHED TO PREVENT EROSION AND WEED INFESTATION OF THE STOCKPILE SURFACE.
6. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

## JOINING SECTIONS OF FENCING

### INSTALLATION NOTES:

1. EXCAVATE A 4 INCH X 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
2. ROLL 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 BACKING THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
5. JOIN SECTIONS AS SHOWN ABOVE.

## CORRECT METHODS OF TREE FENCING



### CORRECT TRUNK ARMORING

[illegible]