

LEGEND	
PROPERTY LINE	---
PROPOSED BELGIAN BLOCK CURB	=====
PROPOSED ASPHALT DRIVEWAY	=====
PROPOSED PERMEABLE PAVERS	=====
REMOVE/DEMO	=====
PROPOSED STONE MASONRY WALL	=====
PROPOSED CONTOUR	96
PROPOSED SPOT GRADE	+96.5
PROPOSED STORM PIPE	=====
PROPOSED DRAIN INLET	⊠
TEMPORARY INLET PROTECTION	⊠ IP
TEMPORARY SILT FENCE	- X - X - SF
TEMPORARY CONSTRUCTION FENCE	----- CF
TEMPORARY SOIL STOCKPILE AREA	⊕ SS
TEST PIT LOCATION	⊙ TP-1
PROPOSED LIMIT OF DISTURBANCE	-----
PROPOSED TREE PROTECTION	⊙ TP
EXISTING TREE REMOVED	⊗

SITE NOTES:

- SHOULD ROCK BLASTING BE REQUIRED, A PERMIT APPLICATION IN ACCORDANCE WITH CHAPTER 125 - BLASTING OF THE DOBBS DERRY VILLAGE 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 UNFORESEEN SILTATION AND EROSION OF DISTURBED SOILS.
- AS-BUILT PLANS OF THE PROPOSED DRAINAGE IMPROVEMENTS SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW PRIOR TO CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.
- 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.
 - COMPLETION OF ROUGH GRADING.
 - 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
- A STREET OPENING PERMIT SHALL BE OBTAINED FOR ALL WORK WITHIN THE RIGHT-OF-WAY.

TEST HOLE DATA:

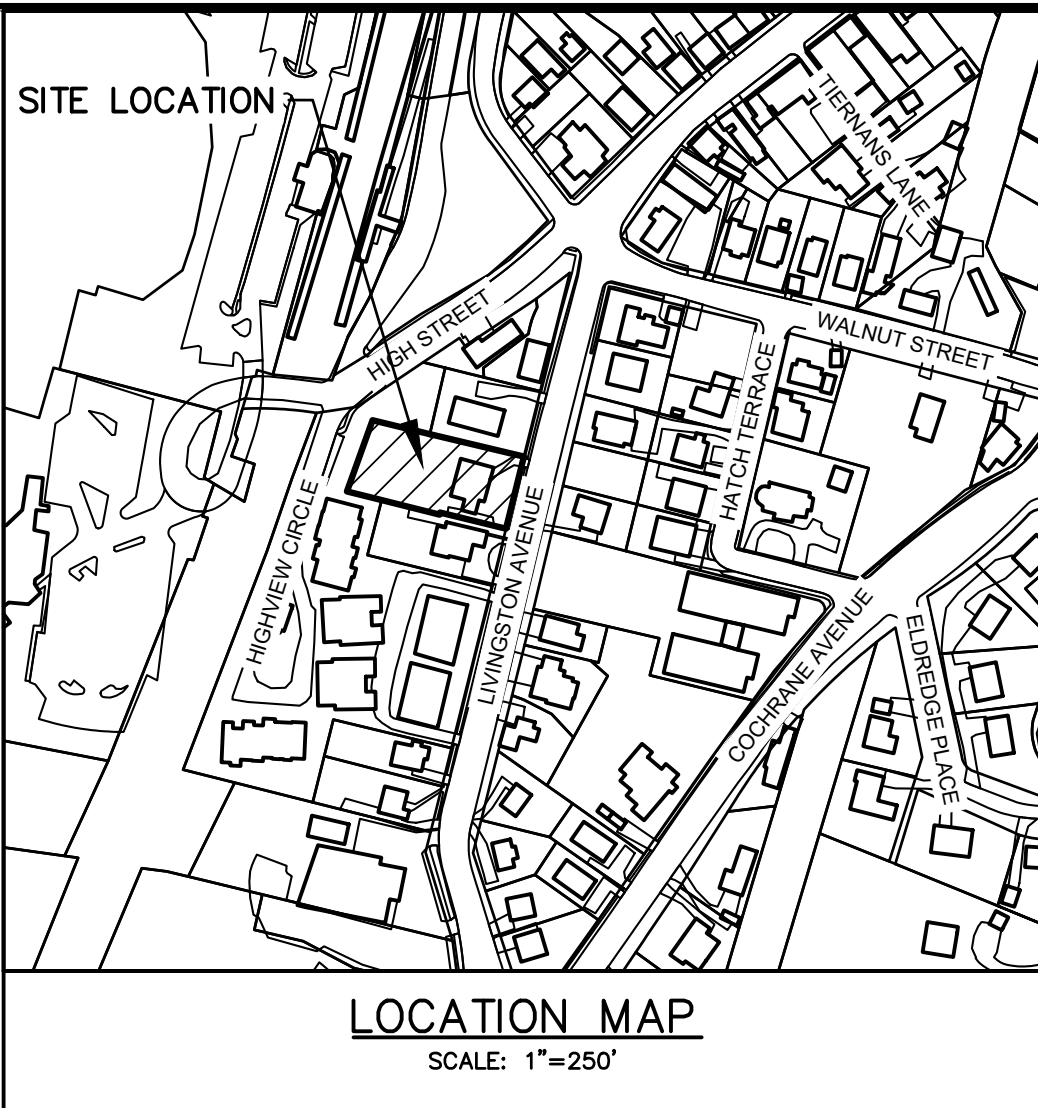
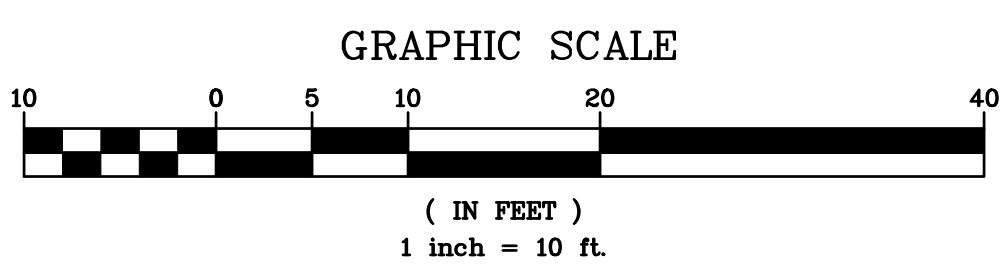
TEST HOLE #1
DEPTH - 96"
0-12" TOPSOIL
12-30" SILTY LOAM
30-96" SANDY LOAM
NO GROUNDWATER
NO LEDGE ROCK
PERC. = 96 INCHES/HOUR

TEST HOLE #1
DEPTH - 96"
0-12" TOPSOIL
12-30" SILTY LOAM
30-96" SANDY LOAM
NO GROUNDWATER
NO LEDGE ROCK
PERC. = 103.45 INCHES/HOUR

TEST HOLE #1
DEPTH - 96"
0-12" TOPSOIL
12-60" RED SANDY SILT
60-96" RED SANDY LOAM W/ROCKS
NO GROUNDWATER
NO LEDGE ROCK
PERC. = 36.92 INCHES/HOUR

CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). ALL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND VISIBLE AT TIME OF INSPECTION. SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

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.



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 ACI, AISC, 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 BE RESPONSIBLE FOR 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, PARTY 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 SEVERANCE MAINTAINED BY HUDSON ENGINEERING & CONSULTING, P.C., SHALL BE EXCESS ONLY AND SHALL NOT BE CALLED UPON TO CONTRIBUTE WITH THIS INSURANCE. 150 ADDITIONAL INSURED ENDORSEMENT FORM NUMBER CG2010 1185 UNDER CL. COPIES OF THIS INSURANCE POLICY 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.

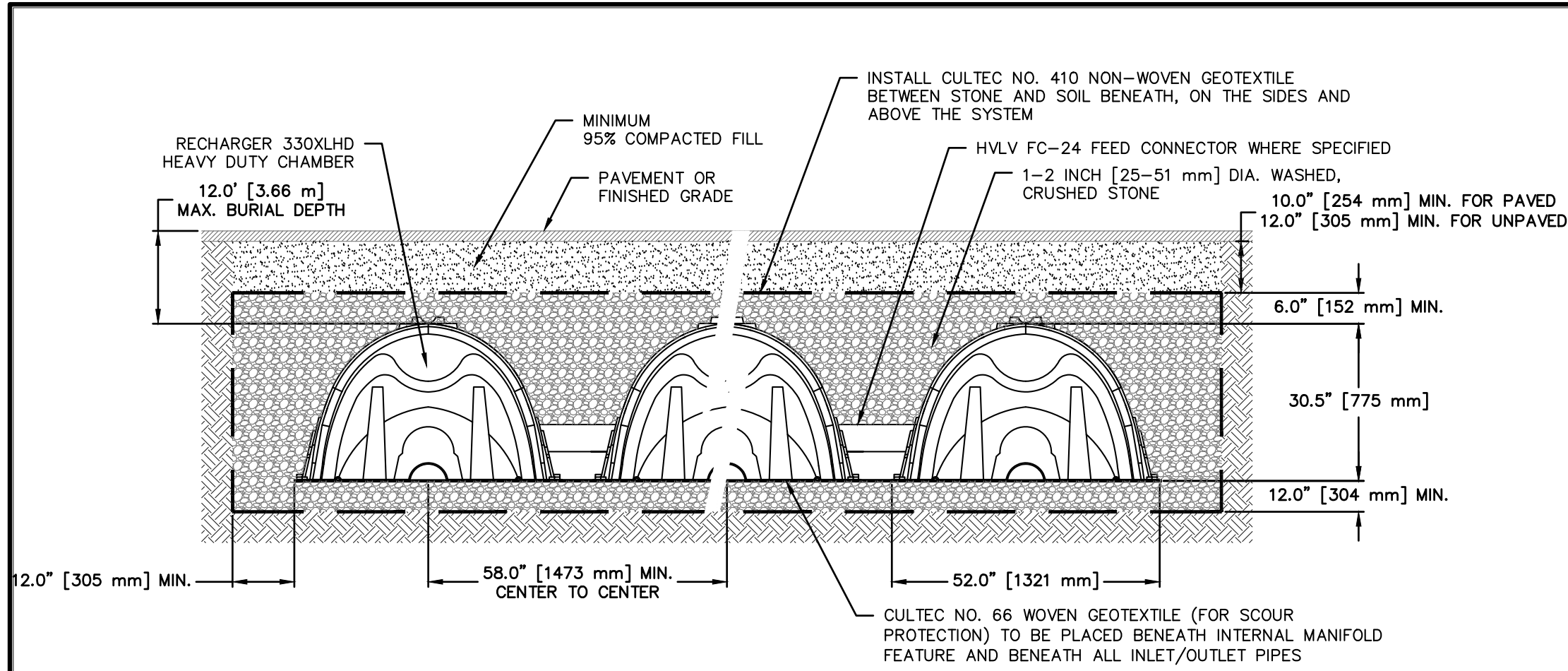
INSPECTION BY MUNICIPALITY - LANDSCAPING
SPREAD TOPSOIL EVENLY OVER AREAS TO BE SEED. HAND RAKE LEVEL. BROADCAST 1.25 LB. BAG OF JONATHAN GREEN "PASTGROW" MIX OR EQUAL OVER AREA TO BE SEED. APPLY STRAW MULCH AND WATER WITHIN 2 DAYS OF COMPLETION OF TOPSOILING. CALL FOR INSPECTION FROM THE APPROPRIATE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

REVISIONS		DATE	BY
1	REVISION - VILLAGE COMMENTS	10/24/22	DATA
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE			
PROJECT: PROPOSED ADDITION AND ALTERATIONS 63 LIVINGSTON AVENUE VILLAGE OF DOBBS FERRY WESTCHESTER COUNTY - NEW YORK			
STORMWATER MANAGEMENT PLAN			
HEC		HUDSON ENGINEERING CONSULTING, P.C. 45 Knollwood Road - Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086	
Date: 10/05/22 Scale: 1" = 10' Designed By: D.Y. Checked By: M.S. Sheet No.		10/05/22 1 2 C-1	

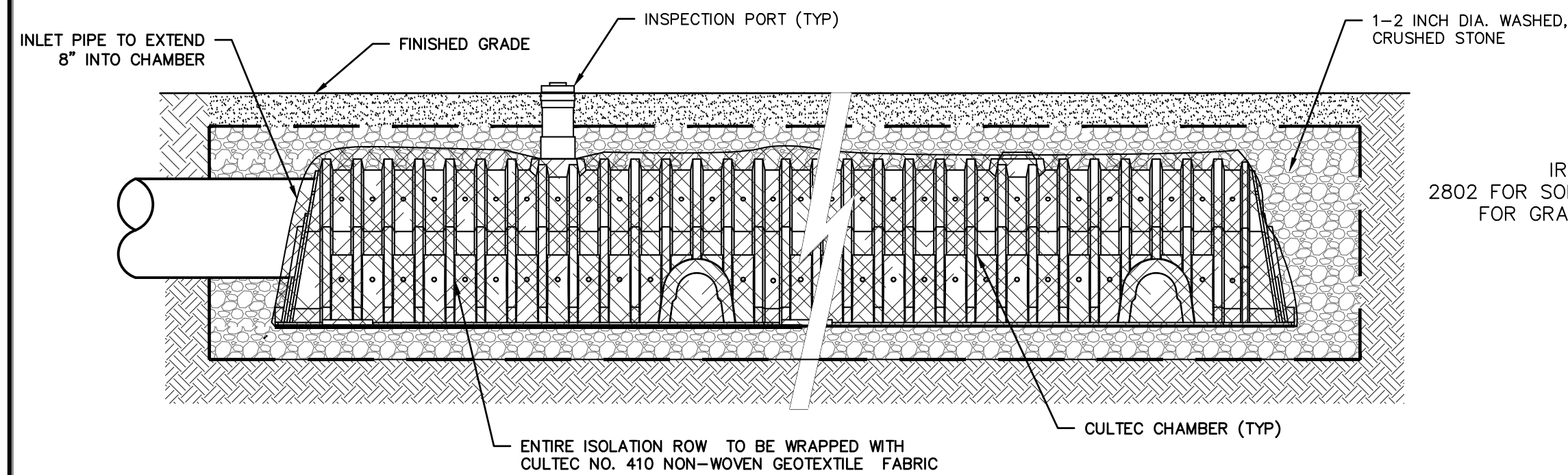
EXISTING INFORMATION SHOWN HEREON PROVIDED BY LINK LAND SURVEYORS P.C. DATED OCTOBER 21, 2021



GENERAL NOTES

RECHARGER 330XL HD BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 11.32 CF/FT [1.05 m³/m] PER DESIGN UNIT. REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES. THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS

CULTEC RECHARGER 330XL TRAFFIC



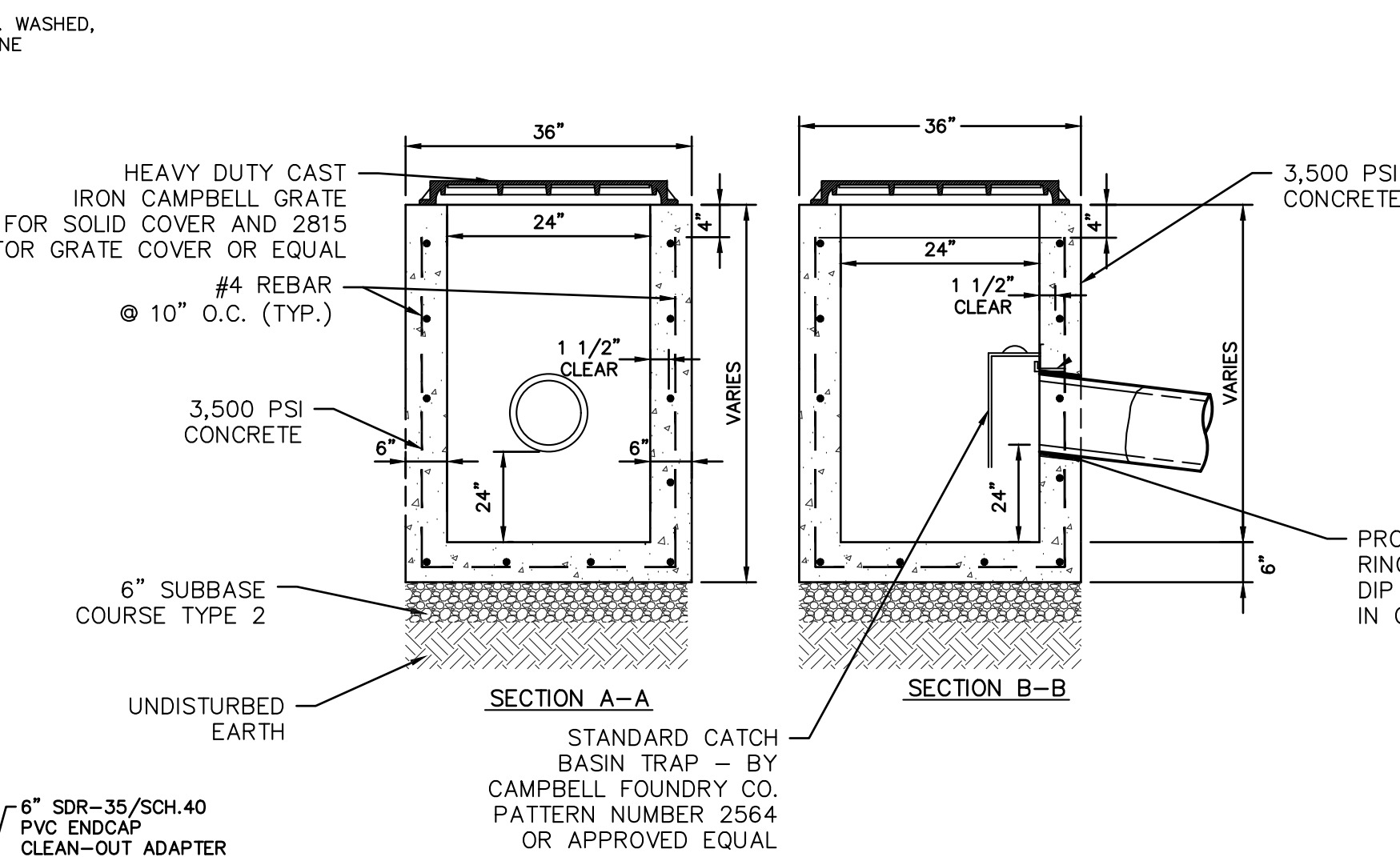
ISOLATION ROW NOTES:

- ISOLATION ROW SHALL BE COMPLETELY ENCAPSULATED IN GEOTEXTILE FABRIC.
- FABRIC SHALL BE OVERLAPPED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- NO FEED CONNECTORS OR PIPES SHALL CONNECT THE ISOLATION ROW TO THE REMAINDER OF THE SYSTEM.

CULTEC ISOLATION ROW

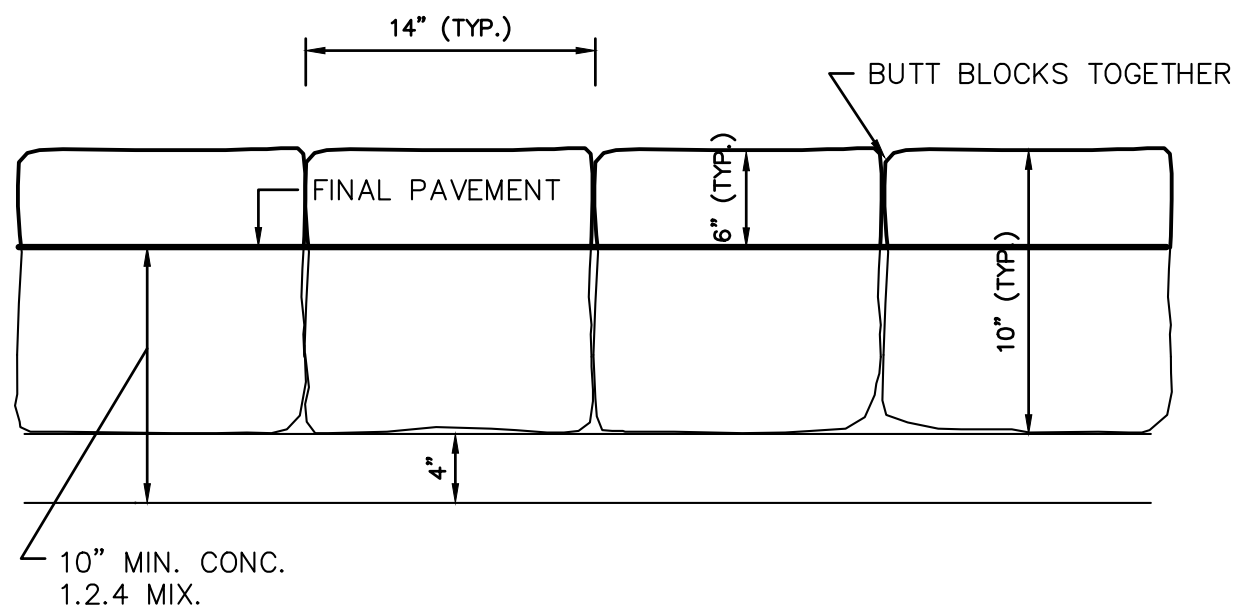
NOTES (STORM SEWER):
1. REFER TO PLAN FOR SPECIFIC PIPE SIZING AND SLOPE SPECIFICATIONS; HOWEVER, IN GENERAL, ALL STORM SEWER SERVICES TO BE 6" SCH. 40 @ 1.0% MINIMUM.
2. CLEANOUTS SHALL BE PLACED BEFORE SIGNIFICANT PIPE BEND LOCATIONS (I.E., JUNCTIONS, 90-DEGREE BENDS, ETC.) UNLESS A ROOF LEADER DOWNSPOUT CONNECTION IS PROPOSED.

SEWER CLEANOUT DETAIL (GRAVITY) (STORM)

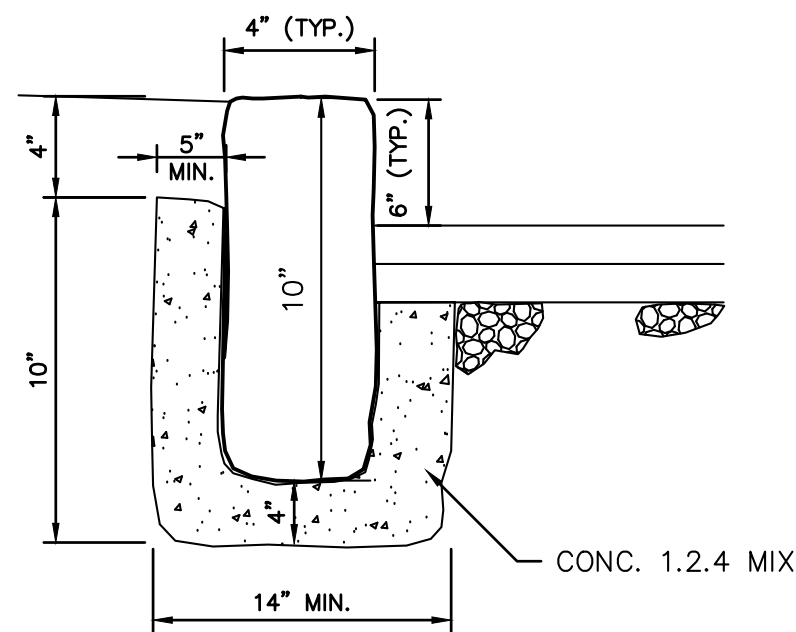


PRECAST DRAIN INLET

- NOTES:
- CONCRETE - 3,500 PSI MINIMUM STRENGTH @ 28 DAYS
 - STEEL REINFORCEMENT - ASTM A-615, # 4 REBAR, GRADE 60
 - COVER TO STEEL - 1 1/2" MINIMUM
 - DESIGN LOADING - AASHTO HS20-44
 - EARTH COVER - 0 TO 5 FEET
 - CONSTRUCTION JOINT - LAPPED



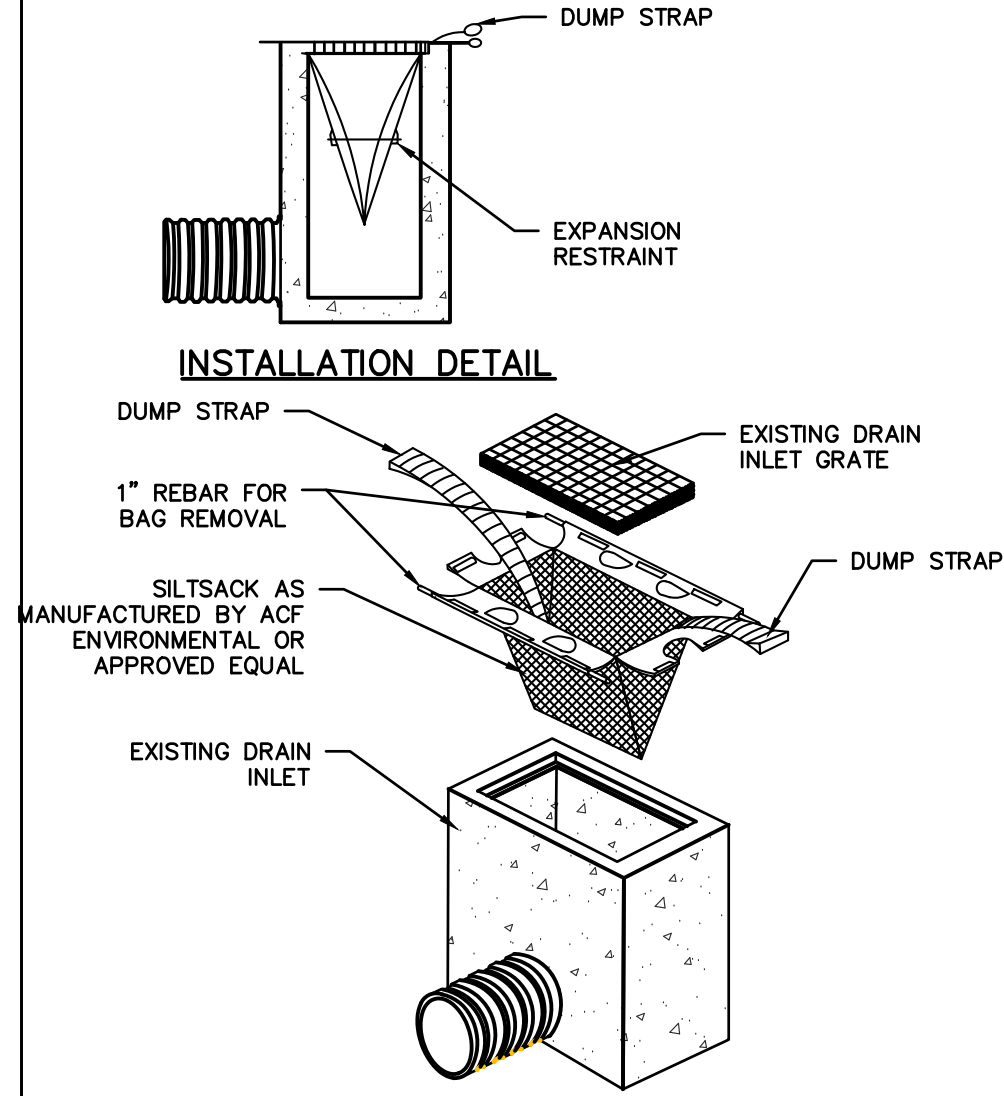
ELEVATION



SECTION

BELGIUM BLOCK CURB DETAIL

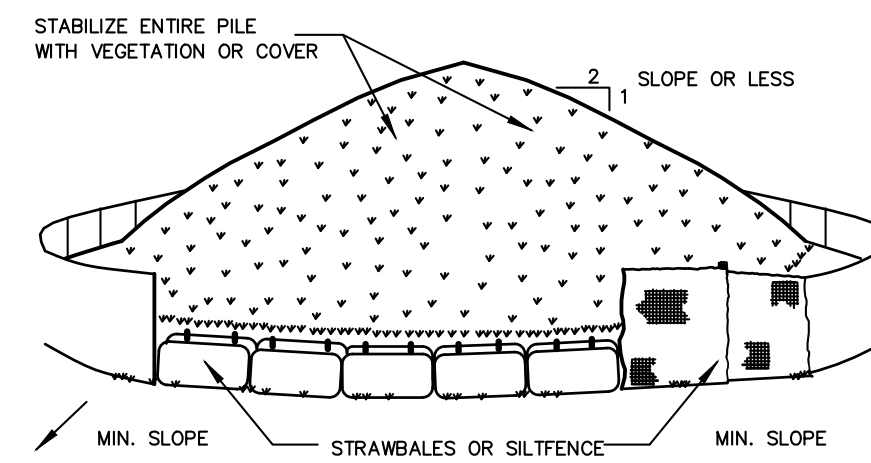
Siltsack Inlet Protection



NOTE:

- EACH SILTSACK SHALL BE PROPERLY SIZED FOR EACH INLET.
- ALL CURB INLETS SHALL UTILIZE SILTSACK MODELS WITH BUILT IN CURB DEFLECTOR.
- SILTSACKS SHOULD ONLY BE UTILIZED ON DRAIN INLETS OUTSIDE OF THE DISTURBED AREAS TO PREVENT CONTAMINATION OF DOWN STREAM STORMWATER STRUCTURES.
- SEDIMENT SHALL BE REMOVED FROM EACH SILTSACK WHEN SILT DEPTH EXCEEDS 6-INCHES.
- SILTSACKS SHOULD BE INSPECTED REGULARLY FOR DAMAGE. ANY DAMAGED SILTSACKS SHOULD BE REPLACED.

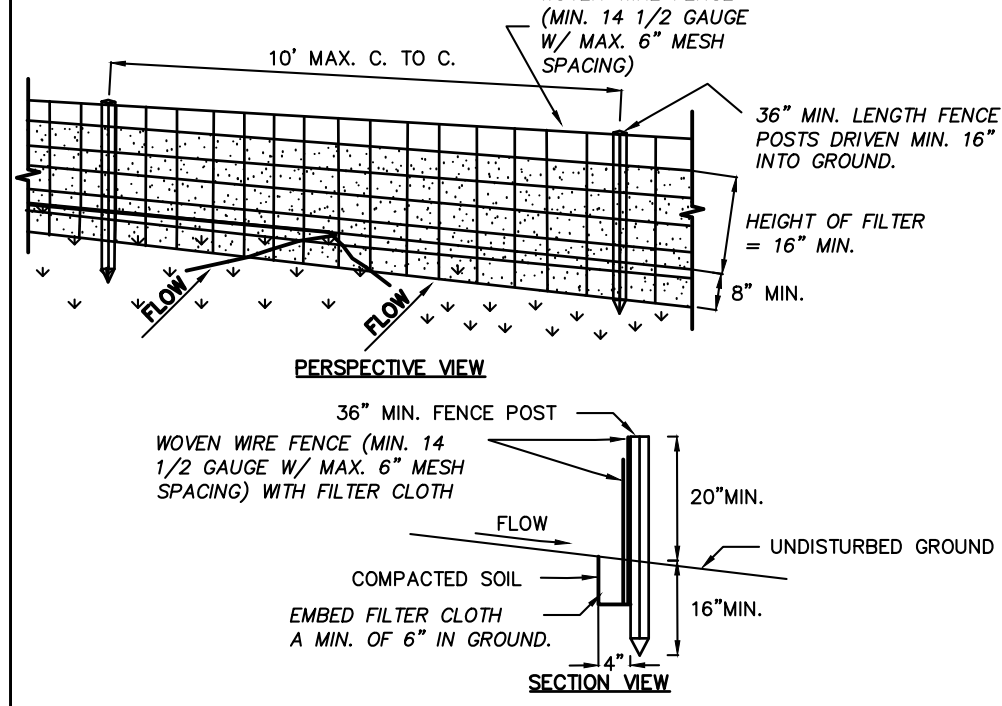
Soil Stockpiling



INSTALLATION NOTES:

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- SOILS OR FILL 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.
- MAXIMUM SLOPE OF STOCKPILES SHALL BE 1:2.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
- STOCKPILES REMAINING IN PLACE FOR MORE THAN A WEEK SHOULD BE SEEDED AND MULCHED OR COVERED WITH GEOTEXTILE FABRIC SURROUNDED BY SILT FENCE.
- SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

Silt Fence

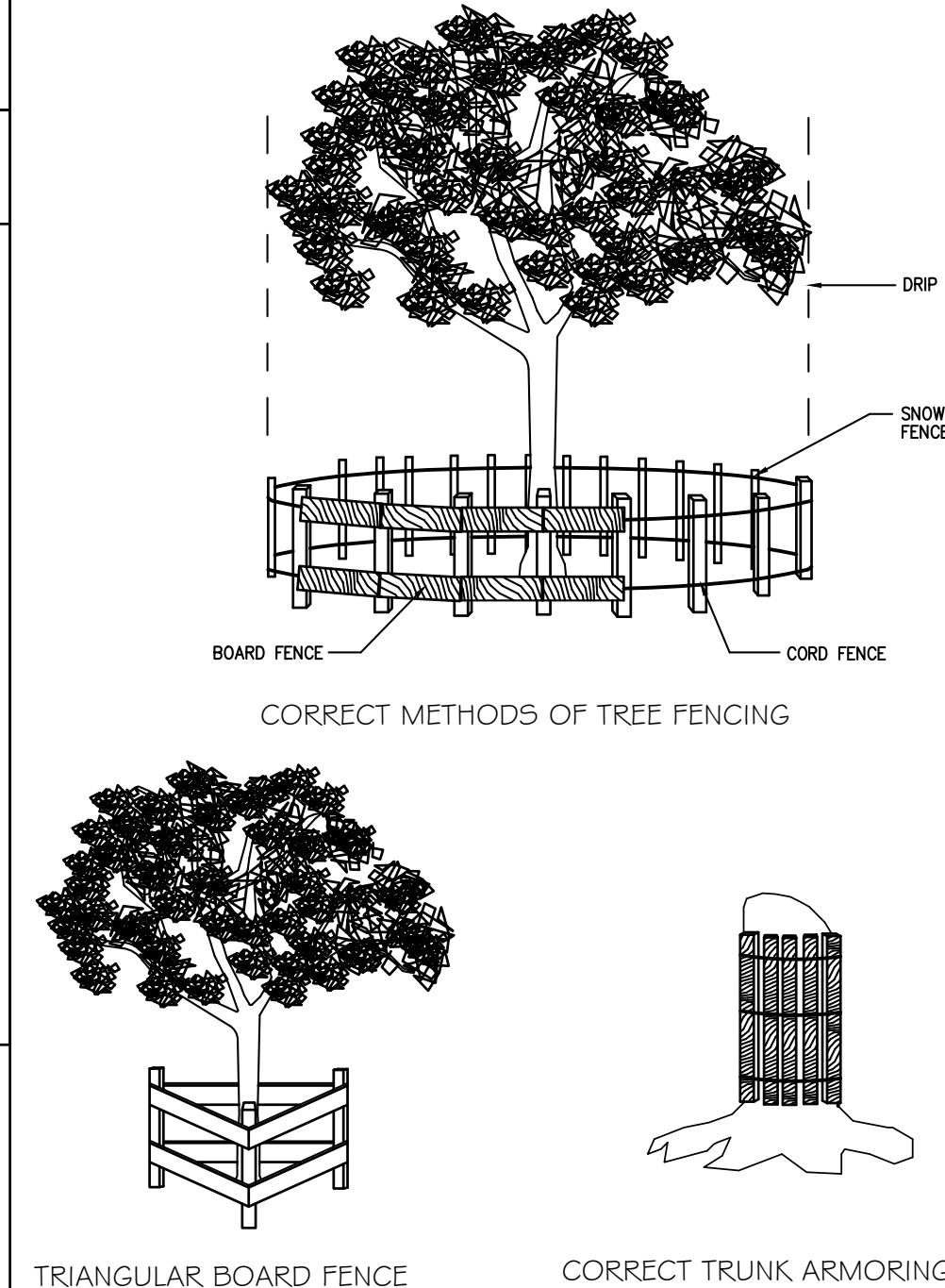


CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER A, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

FENCING AND ARMORING



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.

NOTES:

- THE WASHOUT SHALL BE INSTALLED PRIOR TO USING MATERIALS THAT REQUIRE WASHOUT ON THIS PROJECT.
- AS NECESSARY, SIGNS SHALL BE PLACED THROUGHOUT THE SITE TO INDICATE THE LOCATION OF THE WASHOUT.
- THE WASHOUT AREA WILL BE REPLACED AS NECESSARY TO MAINTAIN CAPACITY FOR LIQUID WASTE.
- WASHOUT RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE FACILITY.
- DO NOT WASHOUT INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
- AVOID DUMPING EXCESS CONCRETE IN NON-DESIGNATED DUMPING AREAS.
- LOCATE WASHOUT AT LEAST 50' (15 METERS) FROM STORM DRAIN, OPEN DITCHES, OR WATER BODIES.
- THE WASHOUT SHALL BE USED ONLY FOR NON-HAZARDOUS WASTES.

CORRUGATED CONCRETE WASHOUT

REVISION	VALUE	COMMENTS	DATE
1			1/15/22
No.			
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DETAILS			
<div> <div>HEC</div> <div> HUDSON ENGINEERING CONSULTING, P.C. 45 Knollwood Road - Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 </div> </div>			
Date:	10/05/22	Sheet:	2
Scale:	N.T.S.	Designed By:	D.Y.
Checked By:	M.S.	Sheet No.	C-2
<div> <div>STATE OF NEW YORK</div> <div> <div>MICHAEL P. STERN</div> <div>NO. 60857</div> <div>LICENSED PROFESSIONAL ENGINEER</div> </div> </div>			