

LEGEND

PROPERTY LINE	---
PROPOSED WALKWAY/PATIO	[Pattern]
PROPOSED SPOT GRADE	+85.18
PROPOSED STORM PIPE	[Symbol]
PROPOSED DRAIN INLET	[Symbol]
PROPOSED CHANNEL DRAIN	[Symbol]
PROPOSED TRENCH DRAIN	[Symbol]
TEMPORARY INLET PROTECTION	[Symbol]
TEMPORARY SILT FENCE	- X - X -
STABILIZED CONSTRUCTION ENTRANCE	[Symbol]
TEST PIT LOCATION	TP-1
PROPOSED LIMIT OF DISTURBANCE	---

TEST HOLE DATA:

TEST HOLE #1
DEPTH - 108"
0-6" TOPSOIL
6-96" UNCLEAN FILL W/ CONSTRUCTION DEBRIS
NO GROUNDWATER
NO LEDGE ROCK
PERC. = 13.5 INCHES/HOUR
TEST HOLE #2
DEPTH - 68"
0-6" TOPSOIL
6-96" UNCLEAN FILL W/ CONSTRUCTION DEBRIS
NO GROUNDWATER
NO LEDGE ROCK
PERC. = 1.0 INCH/HOUR
TEST HOLE #3
DEPTH - 108"
0-6" TOPSOIL
6-96" UNCLEAN FILL W/ CONSTRUCTION DEBRIS
NO GROUNDWATER
NO LEDGE ROCK
PERC. = 1.0 INCH/HOUR

POOL DRAWDOWN	
POOL AREA	429 S.F.
DRAWDOWN DEPTH	0.66 FT.
TOTAL STORAGE REQUIRED	286 C.F.
TOTAL STORAGE PROVIDED	850 C.F.

SITE NOTES:

1. SHOULD ROCK BLASTING BE REQUIRED, A PERMIT APPLICATION IN ACCORDANCE WITH CHAPTER 125 - BLASTING OF THE DOBBS FERRY VILLAGE CODE MUST BE SUBMITTED TO THE VILLAGE BY THE APPLICANT FOR REVIEW/APPROVAL.
2. THE VILLAGE ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF DEEMED APPROPRIATE TO MITIGATE UNFORESEEN SILTATION AND EROSION OF DISTURBED SOILS.
3. AS-BUILT PLANS OF THE PROPOSED DRAINAGE IMPROVEMENTS SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
4. 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.
5. 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.
6. 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:
 - 6.1. START OF CONSTRUCTION.
 - 6.2. INSTALLATION OF SEDIMENT AND EROSION CONTROL MEASURES.
 - 6.3. COMPLETION OF SITE CLEARING.
 - 6.4. COMPLETION OF ROUGH GRADING.
 - 6.5. INSTALLATION OF SMP'S.
 - 6.6. COMPLETION OF FINAL GRADING AND STABILIZATION OF DISTURBED AREAS.
 - 6.7. CLOSURE OF CONSTRUCTION.
 - 6.8. COMPLETION OF FINAL LANDSCAPING; AND
 - 6.9. SUCCESSFUL ESTABLISHMENT OF LANDSCAPING IN PUBLIC AREAS
7. A STREET OPENING PERMIT SHALL BE OBTAINED FOR ALL WORK WITHIN THE RIGHT-OF-WAY.
8. NO STOCKPILE SHALL BE STORED ON-SITE. ALL MATERIALS SHALL BE CARTED OFF-SITE AFTER USE.

CONSTRUCTION SEQUENCING:

1. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION.
 2. INSTALL SILT FENCE DOWN SLOPE OF ALL AREAS TO BE DISTURBED AS SHOWN ON THE PLAN.
 3. STRIP TOPSOIL AND STOCKPILE AT THE LOCATIONS SPECIFIED ON THE PLANS (UP GRADIENT OF EROSION CONTROL MEASURES). TEMPORARILY STABILIZE TOPSOIL STOCKPILES (HYDROSEED DURING MAY 1ST THROUGH OCTOBER 31ST PLANTING SEASON OR BY COVERING WITH A TARP/AULIN(S) NOVEMBER 1ST THROUGH APRIL 30TH. INSTALL SILT FENCE AROUND TOE OF SLOPE.
 4. DEMOLISH ANY EXISTING SITE FEATURES AND/OR STRUCTURES NOTED AS BEING REMOVED ON THE CONSTRUCTION DOCUMENTS AND DISPOSE OF OFF-SITE.
 5. ROUGH GRADE SITE.
 6. EXCAVATE AND INSTALL EX-FILTRATION SYSTEMS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
 7. INSTALL DRAINAGE WORK TRIBUTARY TO EX-FILTRATION SYSTEMS FROM PROPOSED WORK.
 8. EXCAVATE AND CONSTRUCT FOUNDATIONS FOR POOL.
 9. CONSTRUCT POOL & PATIOS.
 10. FINE GRADE AND SEED ALL DISTURBED AREAS. CLEAN DRAIN LINES. CLEAN EX-FILTRATION SYSTEMS. ENSURE GRASS STAND IS ACHIEVED.
 11. INSTALL 4"-6" TOPSOIL, FINE GRADE, SEED THE ENTIRE PROJECT SITE AND INSTALL LANDSCAPE PLANTINGS. SPREAD SALT HAY OVER SEEDED AREAS.
 12. 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.

POOL NOTES:

1. POOL DRAINAGE/DRAWDOWN TO BE DIRECTED FROM POOL EQUIPMENT INTO THE INFILTRATION CHAMBERS.
2. NO CHEMICALS, 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 INSURED POLICIES SHALL BE SUBMITTED TO HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
14. 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.

LOT COVERAGE CALCULATIONS			
SHEET: 3.150 BLOCK: 133 LOT: 7			
ZONE: OF6	EXISTING (sf)	PROPOSED (SF)	
AREA OF LOT:	5,000 MIN.	7,291	7,291
DWELLING:	1,975	1,975	
WALKWAYS, WALLS, STEPS & A/C UNITS:	215	215	
PATIO & FRAME DECK:	582	569	
PORCH:	62	62	
DRIVEWAY & CURB:	516	516	
OVERHANG:	35	35	
SPA & STEPS:		97	
POOL & COPING:		556	
PATIO:		712	
POOL EQUIP.:		55	
TOTAL COVERAGE (SF):	3,385	4,792	
MAX IMPERVIOUS COVERAGE (%):	54	46%	66%

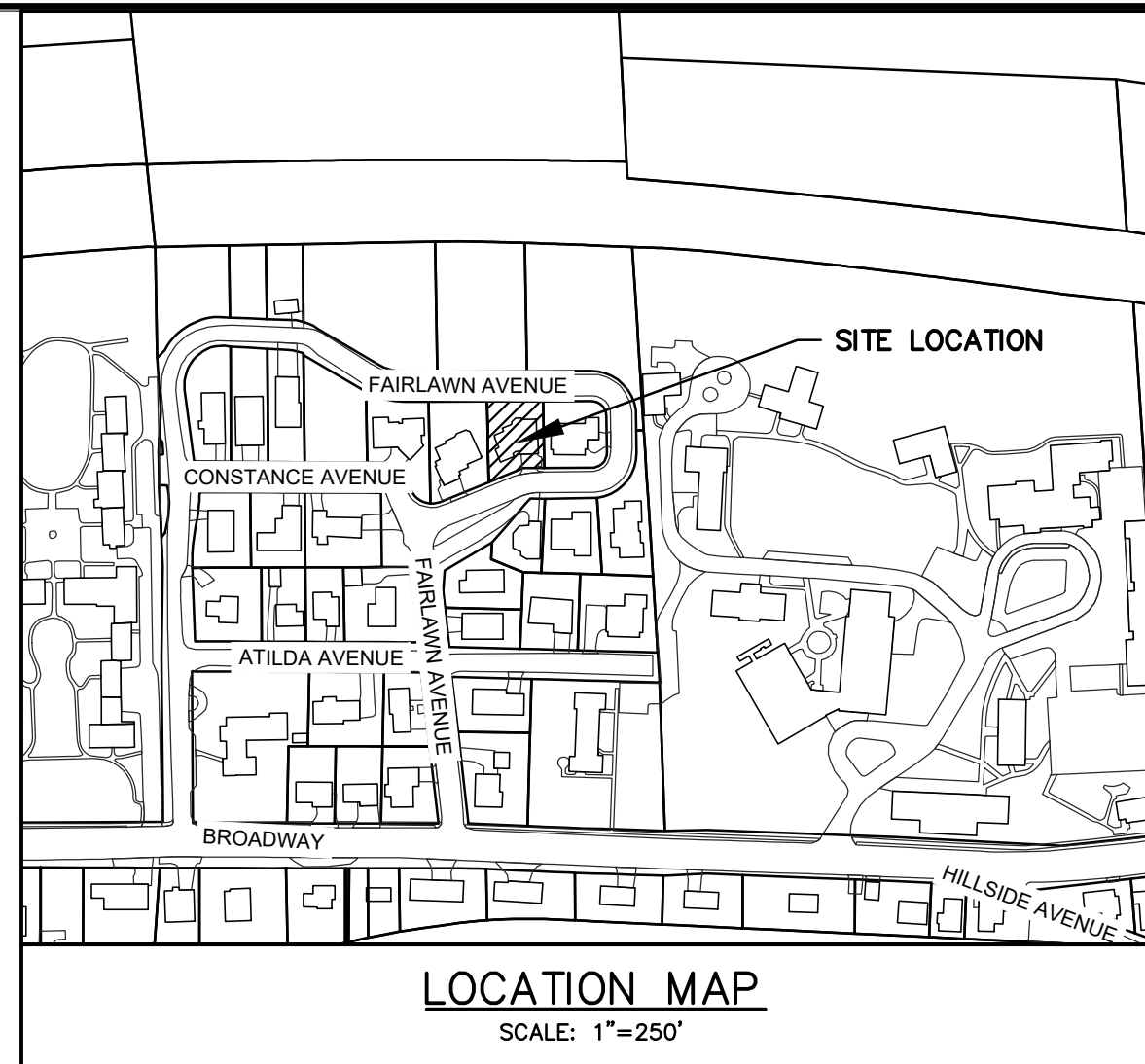
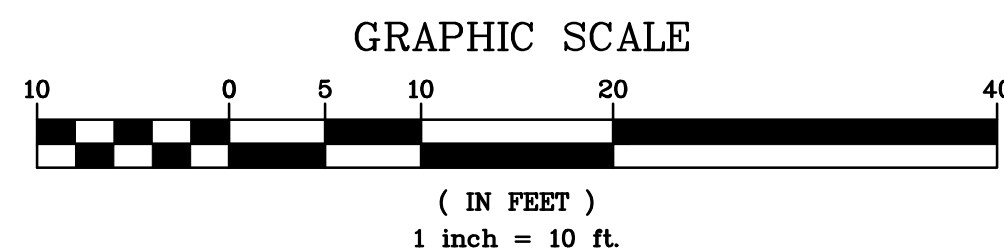
CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

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.

OWNER:

THOMAS WARES
18 FAIRLAWN AVENUE
DOBBS FERRY NY 10522

EXISTING INFORMATION SHOWN HEREON
PROVIDED BY GABRIEL E. SENOR, P.C.
DATED JANUARY 13, 2021



GENERAL NOTES:

1. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
2. NO CHANGES SHALL BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
3. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C., ZONING, AND THE NEW YORK STATE BUILDING CODE.
4. ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
5. ANY 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.
6. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
7. 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.
8. 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.
9. 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.
10. FINAL GRADING AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
11. ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
12. 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 BUILDING 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.
13. 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 INSURED POLICIES SHALL BE SUBMITTED TO HUDSON ENGINEERING & CONSULTING, P.C., FOR APPROVAL PRIOR TO THE SIGNING OF THE CONTRACT.
14. 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.

PROJECT:

PROPOSED POOL & PATIO
18 FAIRLAWN AVENUE
VILLAGE OF DOBBS FERRY
WESTCHESTER COUNTY - NEW YORK

STORMWATER MANAGEMENT PLAN

45 Knollwood Road, Suite 201
Elmsford, New York 10523

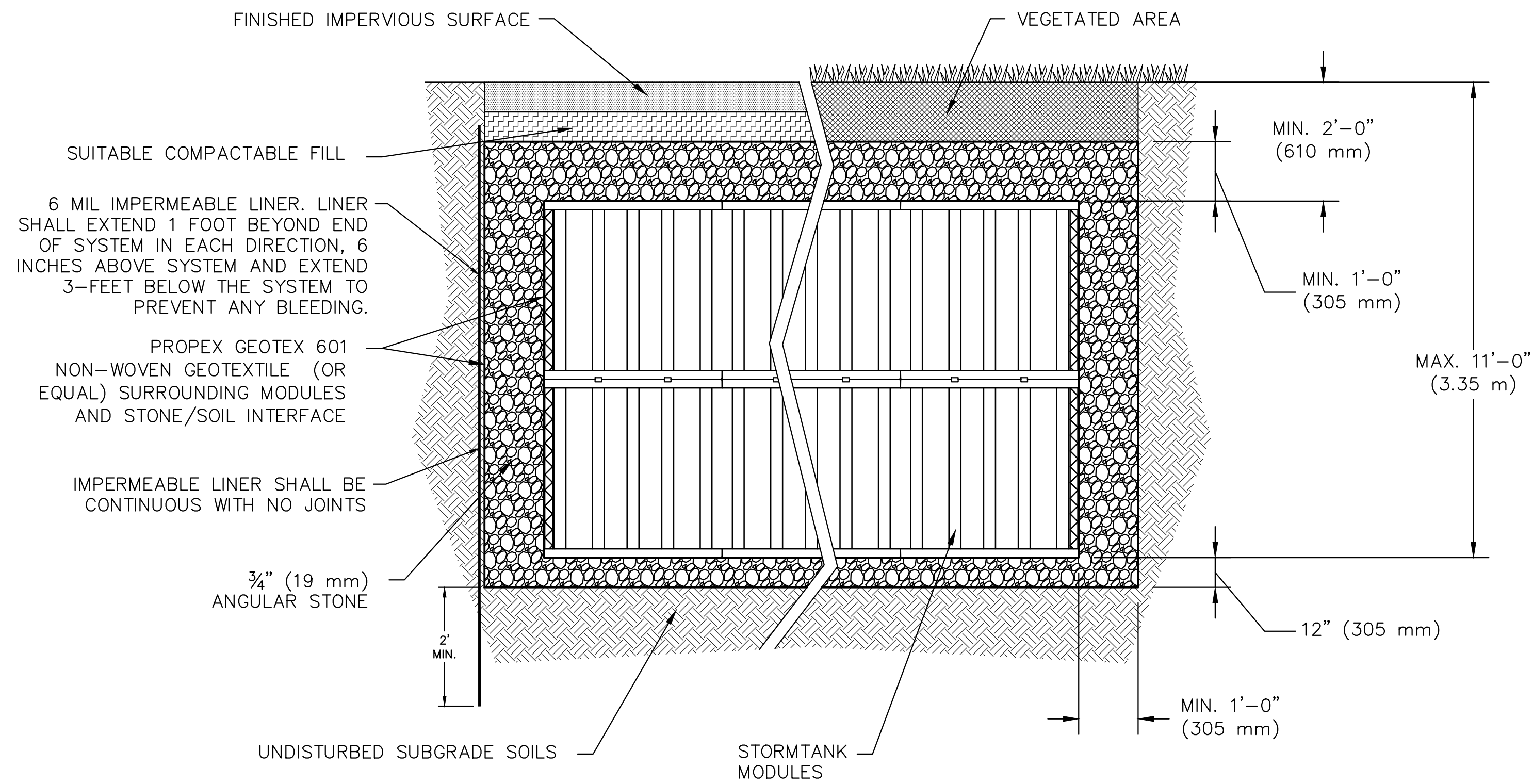
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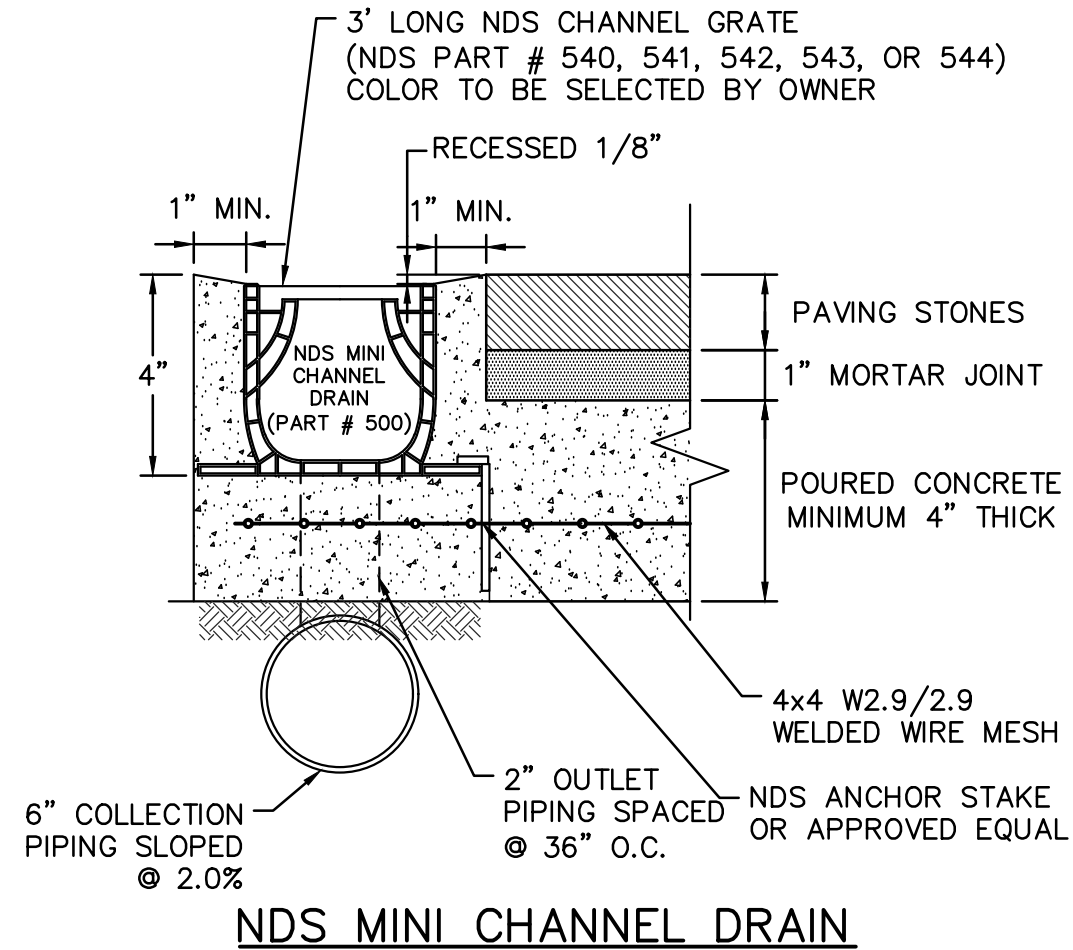


Date: 06/16/21 Sheet: 1
Scale: 1" = 10'
Designed By: A.Y.
Checked By: W.S.
Sheet No. 2

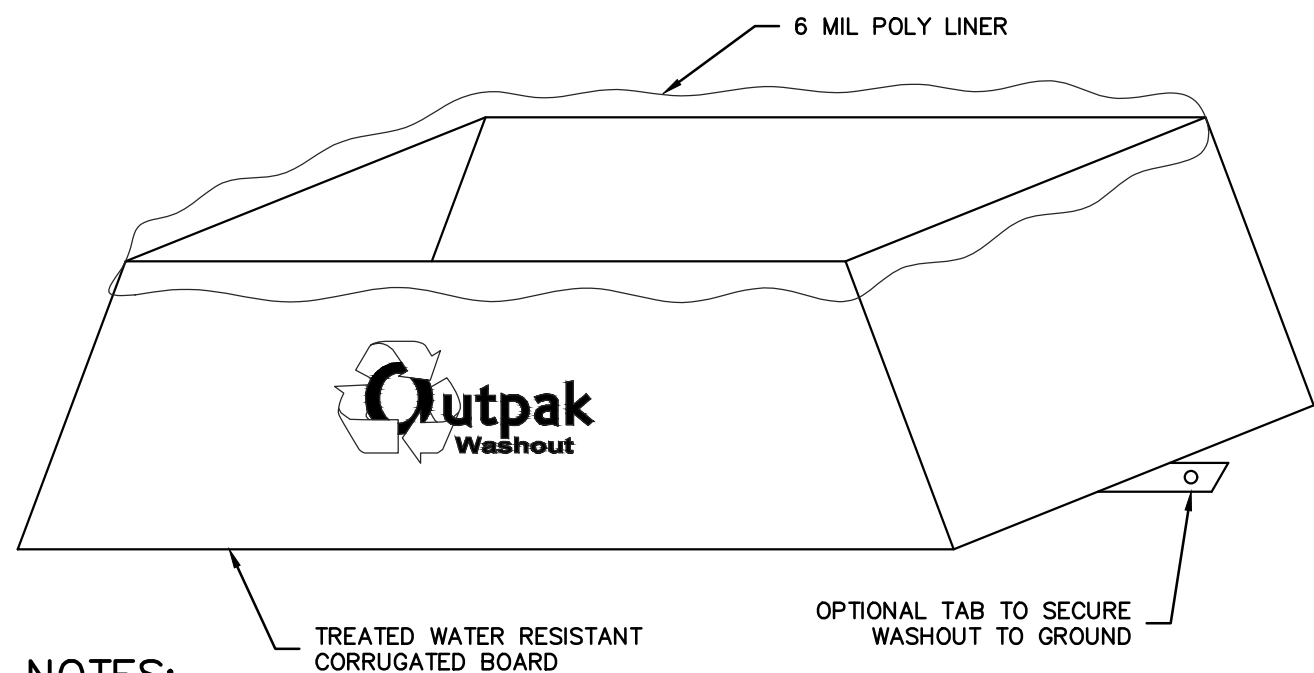
C-1



STORMTANK INFILTRATION BASIN SECTION DETAIL



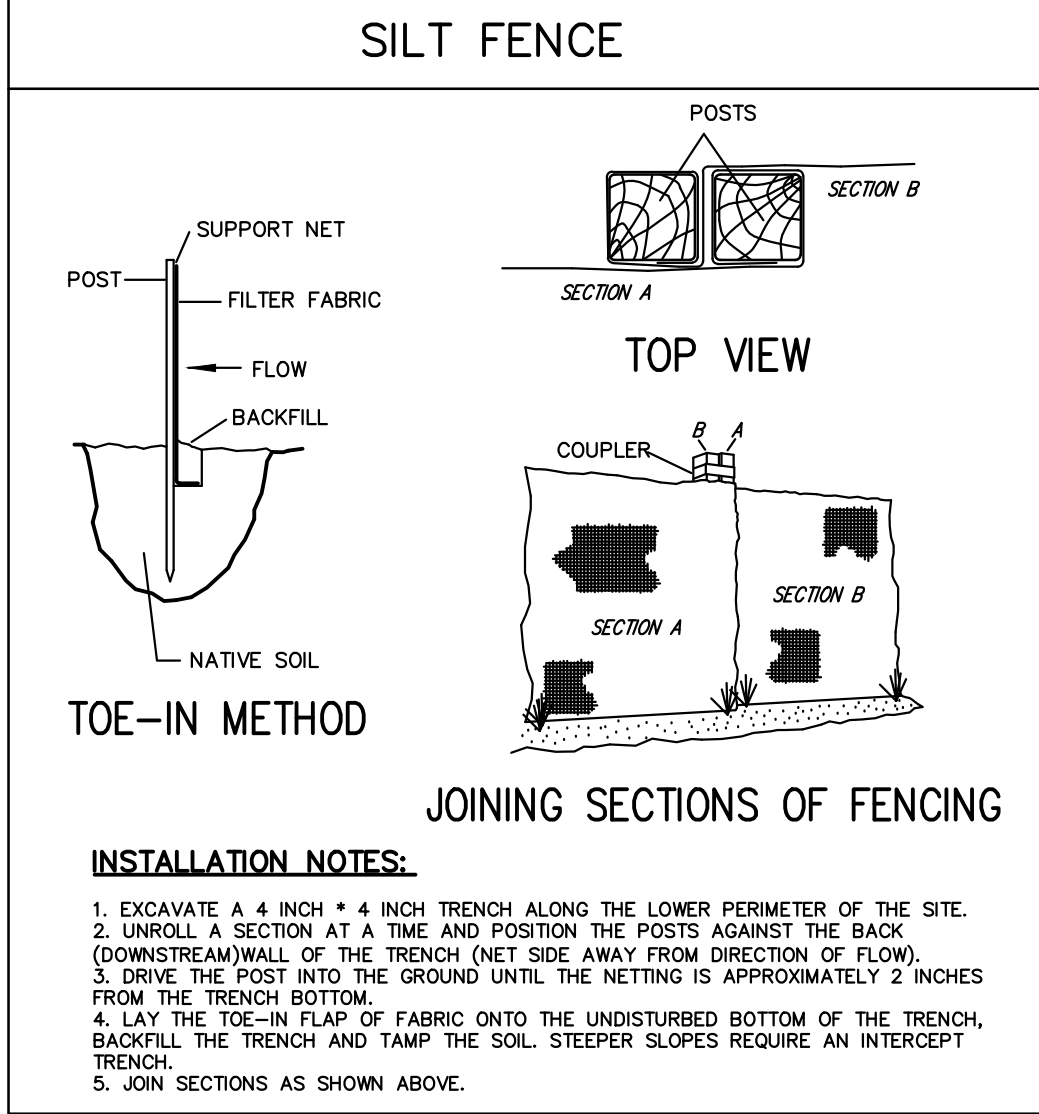
NDS MINI CHANNEL DRAIN



NOTES:

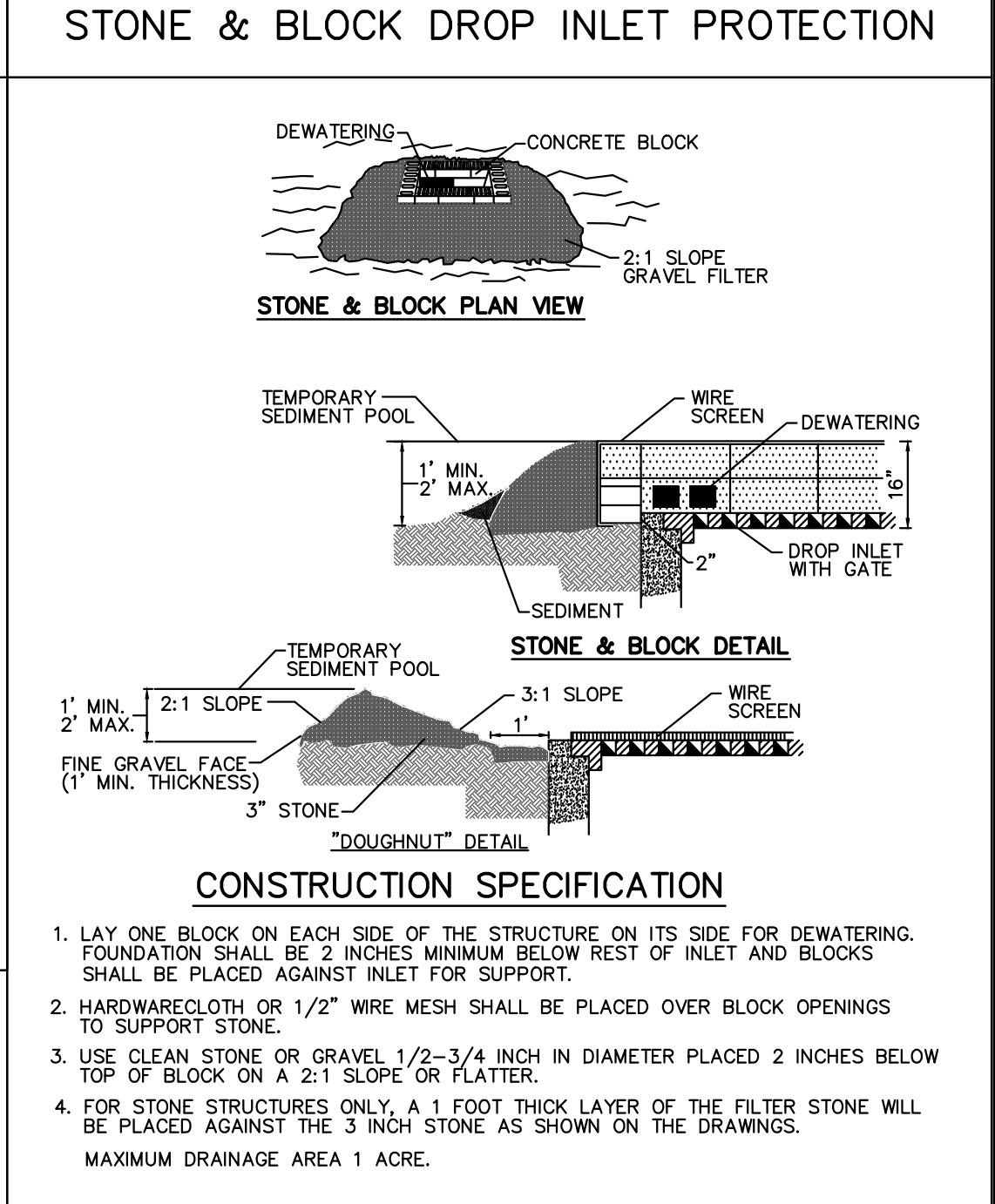
1. THE WASHOUT SHALL BE INSTALLED PRIOR TO USING MATERIALS THAT REQUIRE WASHOUT ON THIS PROJECT.
2. AS NECESSARY, SIGNS SHALL BE PLACED THROUGHOUT THE SITE TO INDICATE THE LOCATION OF THE WASHOUT.
3. THE WASHOUT AREA WILL BE REPLACED AS NECESSARY TO MAINTAIN CAPACITY FOR LIQUID WASTE.
4. WASHOUT RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE FACILITY.
5. DO NOT WASHOUT INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
6. AVOID DUMPING EXCESS CONCRETE IN NON-DESIGNATED DUMPING AREAS.
7. THE WASHOUT SHALL BE USED ONLY FOR NON-HAZARDOUS WASTES.

CORRUGATED CONCRETE WASHOUT



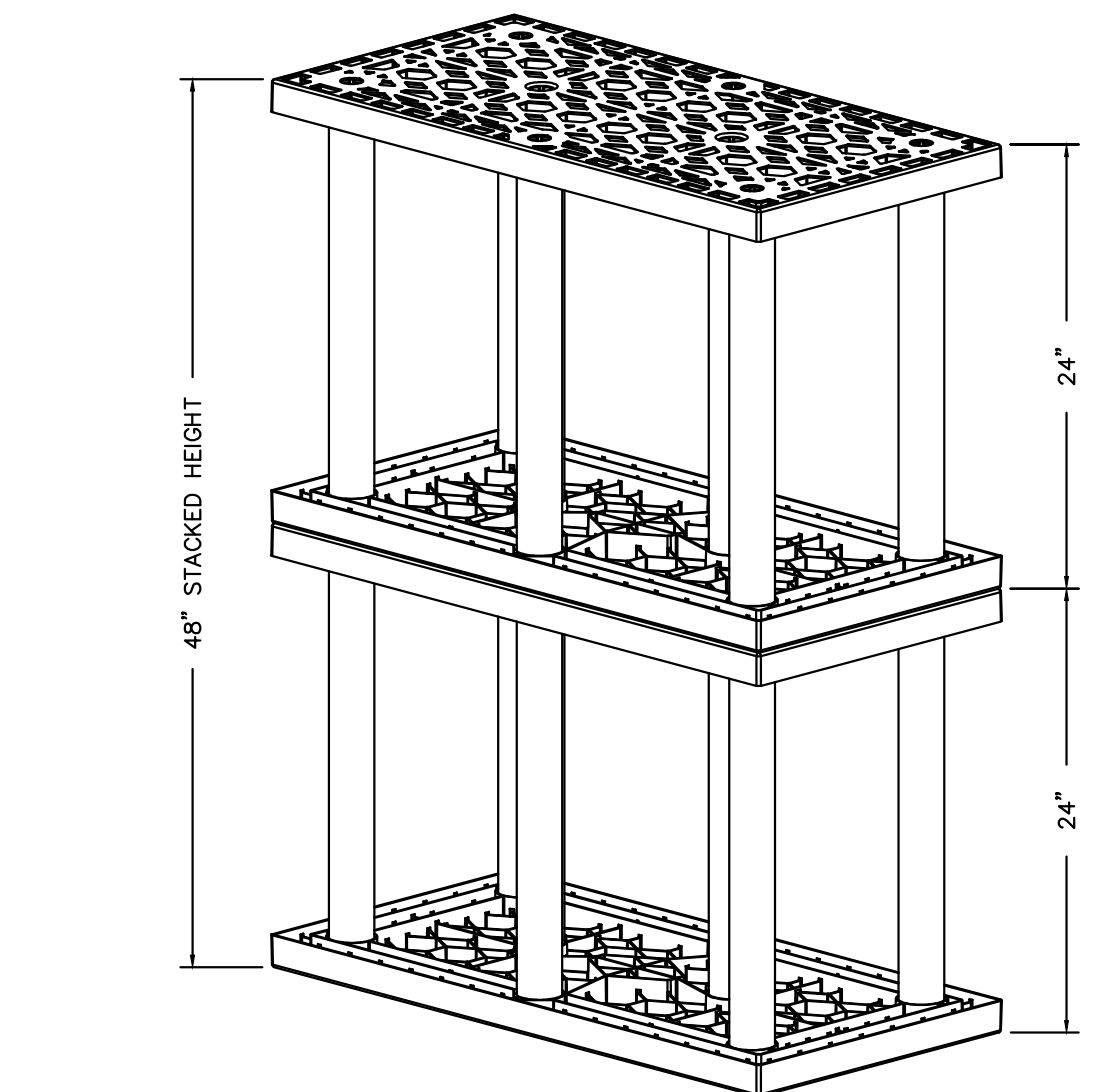
INSTALLATION NOTES:

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.

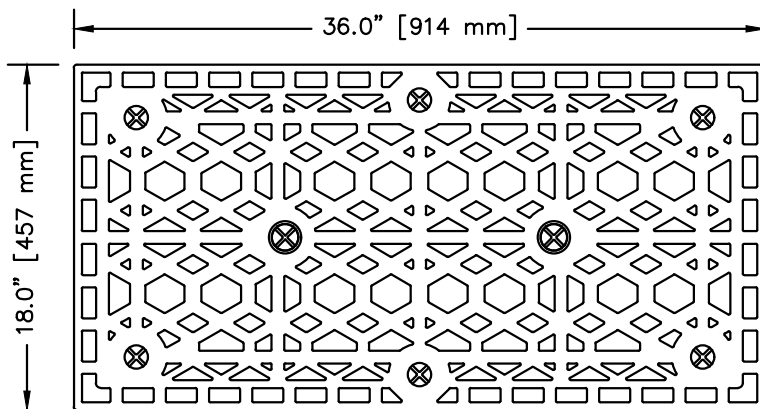


CONSTRUCTION SPECIFICATION

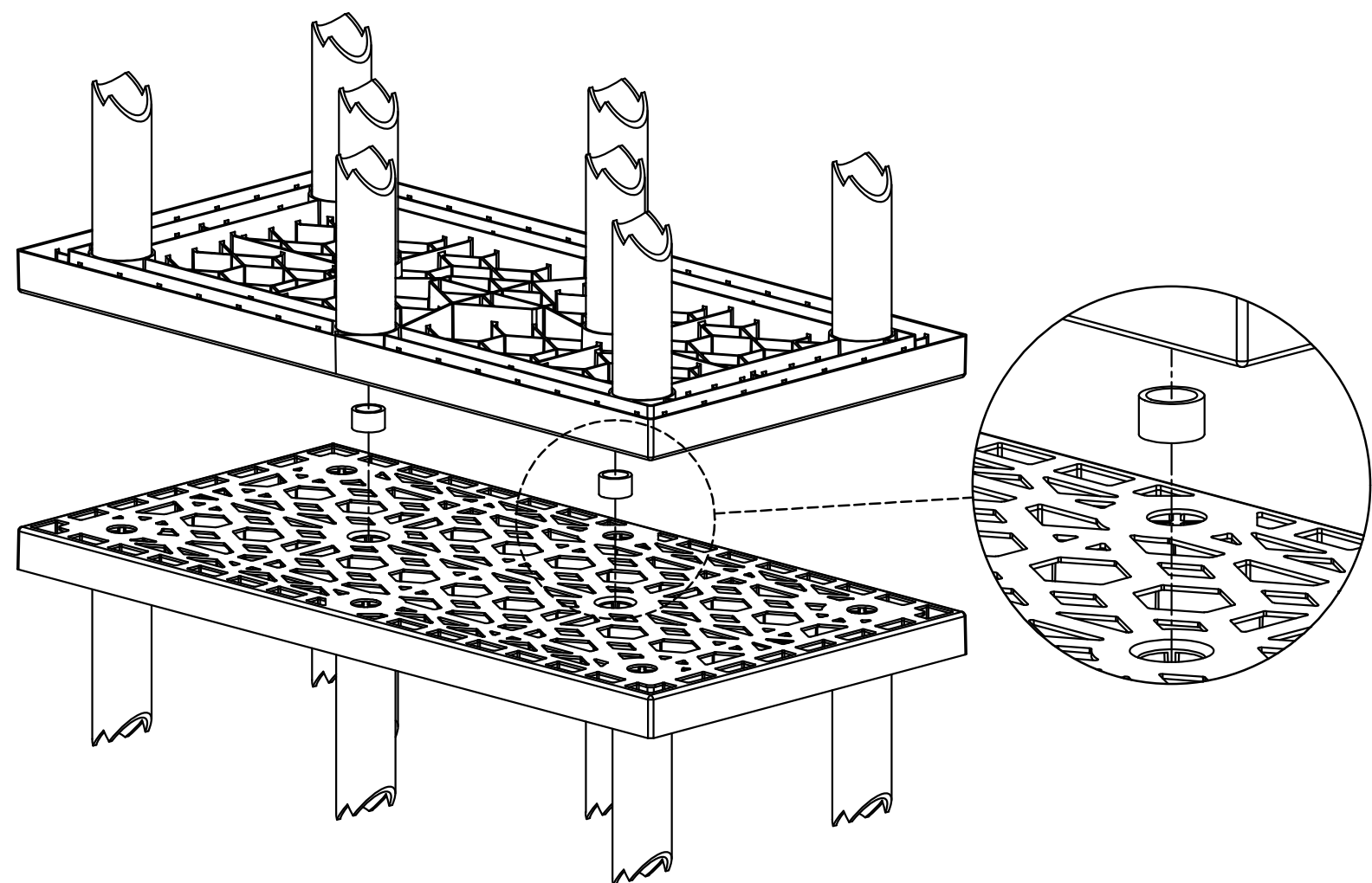
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
 2. HARDWARECLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
 3. USE CLEAN STONE OR GRAVEL 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.



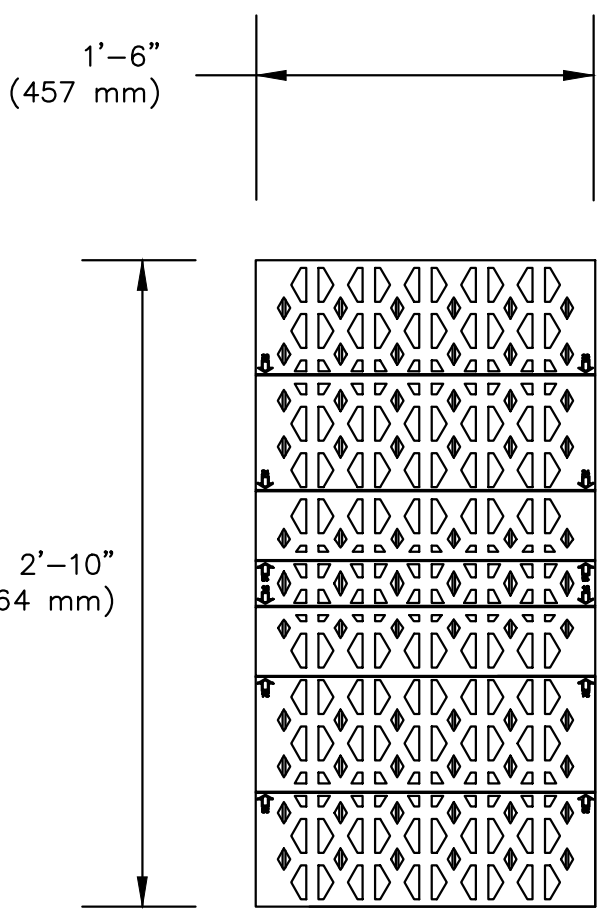
MODULE DOUBLE STACK DETAIL



TOP



STACKING PIN DETAIL



36" (914 mm) SIDE PANEL

STORMTANK MODULE DETAILS

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No.	Description	Revisions	Date	PROJECT:
				PROPOSED POOL & PATIO 18 FAIRLAWN AVENUE VILLAGE OF DOBBS FERRY WESTCHESTER COUNTY – NEW YORK
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE				DETAILS
HEC				HUDSON ENGINEERING & CONSULTING, P.C. 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086
Date: 09/29/21 Scale: N.T.S. Designed By: A.Y. Checked By: M.S. Sheet No. 2				C-2