

LEGEND

PROPERTY LINE
PROPOSED WALKWAY/PATIO
PROPOSED STONE MASONRY WALL
PROPOSED CONTOUR
PROPOSED STORM PIPE
PROPOSED DRAIN INLET
TEMPORARY INLET PROTECTION
TEMPORARY SILT FENCE
TEMPORARY CONSTRUCTION FENCE
TEMPORARY SOIL STOCKPILE AREA
TEST PIT LOCATION
PROPOSED LIMIT OF DISTURBANCE
PROPOSED POOL FENCE

167 JUDSON AVE. ZONING ANALYSIS TABLE			
SECTION: 3.170 BLOCK: 151	LOT: 7	DISTRICT: OF-3 One-Family Residential 3	
REGULATION	Required	Existing	Proposed
Min. Lot Area (S.F.)	15,000	23,204	23,204
Min. Lot Width (ft.)	100	100.08	NC
Min. Lot Depth (ft.)	100	166.00	NC
Min. Yards			
- Front (ft.)	30	N/A	28.30
- Side (ft.)	15	18.9	28.30
- Both Sides (ft.)	40	62.2	NC
- Rear (ft.)	25	88	NC
Building Coverage (S.F.)	4,641	1,994	NC
Max Imp. Coverage (40%)	40%	15.8%	20.63%

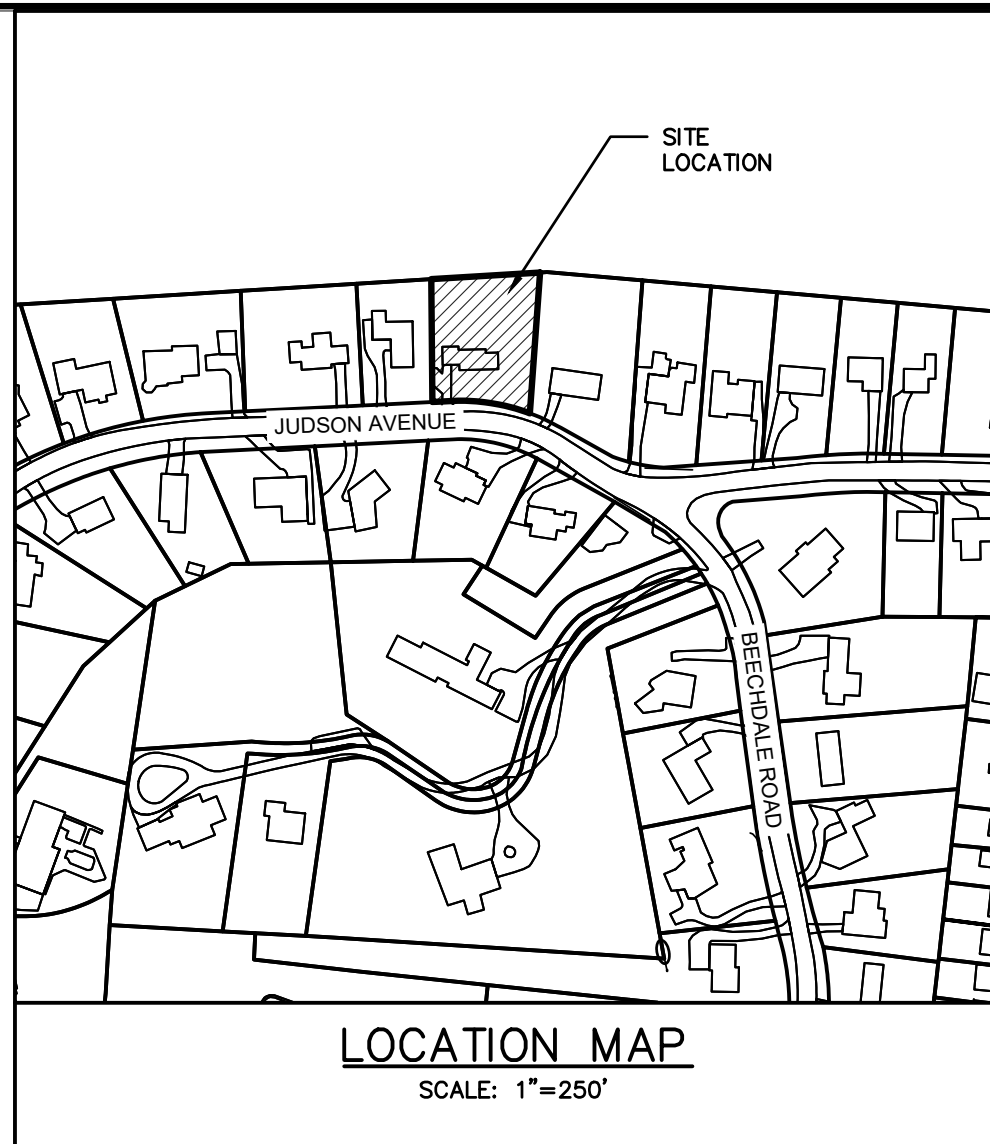
- CONSTRUCTION SEQUENCING:**
- PLACE ORANGE CONSTRUCTION FENCING AROUND AREAS TO BE USED FOR EX-FILTRATION TO AVOID COMPACTION.
 - INSTALL TREE PROTECTION ON TREES AS NOTED ON PLANS.
 - SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION.
 - INSTALL SILT FENCE DOWN SLOPE OF ALL AREAS TO BE DISTURBED 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 1ST THROUGH OCTOBER 31ST PLANTING SEASON OR BY COVERING WITH A TARP/AULINS) NOVEMBER 1ST THROUGH APRIL 30TH. INSTALL SILT FENCE AROUND TOE OF SLOPE.
 - DEMOLISH ANY EXISTING SITE FEATURES AND/OR STRUCTURES NOTED AS BEING REMOVED ON THE CONSTRUCTION DOCUMENTS FROM PHASE 1, AND DISPOSE OF OFF-SITE.
 - ROUGH GRADE SITE.
 - EXCAVATE AND INSTALL EX-FILTRATION SYSTEMS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
 - INSTALL DRAINAGE WORK TRIBUTARY TO EX-FILTRATION SYSTEMS FROM PROPOSED WORK.
 - EXCAVATE AND CONSTRUCT FOUNDATIONS FOR NEW POOL.
 - CONSTRUCT POOL AND PATIOS.
 - FINE GRADE AND SEED ALL DISTURBED AREAS. CLEAN DRAIN LINES. CLEAN EX-FILTRATION SYSTEMS. ENSURE GRASS STAND IS ACHIEVED.
 - INSTALL 4'-6" TOPSOIL, FINE GRADE, SEED THE ENTIRE PROJECT SITE AND INSTALL LANDSCAPE PLANTINGS. SPREAD SALT HAY OVER SEEDED 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.

- POOL NOTES:**
- POOL DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION R326 OF THE 2020 RESIDENTIAL CODE OF NEW YORK STATE.
 - POOL COVER MUST BE CAPABLE OF SUPPORTING A MINIMUM DEAD WEIGHT OF 200 POUNDS WHEN FASTENED OR LOCKED IN PLACE OVER A SWIMMING POOL.
 - THE POOL COVER MUST FULLY COVER POOL WHEN NOT IN USE AND DURING THE PERIOD OF NOVEMBER 1 THROUGH MARCH 31.
 - A TEMPORARY BARRIER SHALL COMPLETELY SURROUND THE SWIMMING POOL DURING CONSTRUCTION UNTIL A PERMANENT BARRIER IS PROVIDED. THE TEMPORARY BARRIER SHALL BE A MINIMUM OF 48 INCHES IN HEIGHT.
 - EXPOSED ELECTRICAL WIRES SHALL NOT BE NEARER THAN 5 FEET TO THE EDGE OF THE SWIMMING POOL.
 - EXPOSED ELECTRICAL WIRES SHALL NOT BE LESS THAN 10 FEET ABOVE GROUND LEVEL AT THE EDGE OF THE SWIMMING POOL.

TEST HOLE DATA:

TEST HOLE #1	
DEPTH - 96"	
0-12" TOPSOIL	
12-96" FINE SANDY LOAM	
NO GROUNDWATER	
LEDGE ROCK @ 96"	
PERC. = 10.6" INCHES/HOUR	

Pool Drawdown	
Surface Area of Pool	553 (sf)
Drawdown Depth	0.5 (feet)
Total Storage needed	276.5 (cf)
Total Storage Provided	366 (cf)



- 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.I., 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 CONTRACT 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 SELF-INSURANCE 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 002010 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.

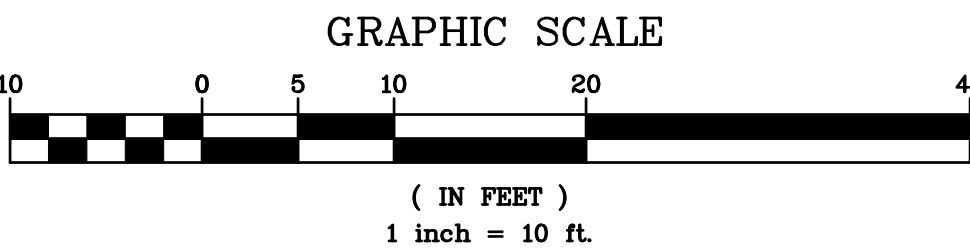
- SITE NOTES:**
- EXISTING UTILITIES SHALL REMAIN UNDISTURBED DURING CONSTRUCTION OF THE PROPOSED WORK.
 - THE BUILDING INSPECTOR OR VILLAGE ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF DEEMED APPROPRIATE TO MITIGATE UNFORESEEN SILTATION AND EROSION OF DISTURBED SOILS.
 - "AS-BUILT" DRAWINGS OF THE SITE IMPROVEMENTS SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW PRIOR TO OBTAINING CERTIFICATE OF OCCUPANCY.
 - 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 INFILTRATION SYSTEM MUST NOT BE CONNECTED UNTIL CONSTRUCTION IS COMPLETE AND THE CONTRIBUTING AREA IS STABILIZED.
 - INFILTRATION ACCESS PORTS SHALL BE SHOWN ON THE "AS-BUILT"
 - BEFORE THE SITE PLANS ARE 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 IN A FORM SATISFACTORY TO THE VILLAGE ATTORNEY.

CUT-FILL ANALYSIS (NET)
-285.1 CUBIC YARDS

OWNER OF RECORD:
JONATHAN DOHERTY
167 JUDSON AVENUE
DOBBS FERRY, NY 10522
SBL: 3.170-151-7

167 JUDSON AVENUE STORMWATER
MANAGEMENT PLAN BASED UPON
EXISTING INFORMATION PROVIDED BY LINK
LAND SURVEYORS, DATED MAY 21, 2020

PROPOSED GRADING PROVIDED BY
SHORELINE POOLS, INC.



PROJECT: PROPOSED POOL
167 JUDSON AVENUE
VILLAGE OF DOBBS FERRY
WESTCHESTER COUNTY - NEW YORK

STORMWATER MANAGEMENT PLAN

HEC ENGINEERING
CONSULTING, P.C.
45 Knollwood Road, Suite 201
Elmsford, New York 10523
T: 914-909-0420
F: 914-560-2086

HUDSON
ENGINEERING
CONSULTING, P.C.
45 Knollwood Road, Suite 201
Elmsford, New York 10523
T: 914-909-0420
F: 914-560-2086

DATE: 11/13/20
Scale: 1" = 10'
Designed By: M.F.
Checked By: M.S.
Sheet No. 3

THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE

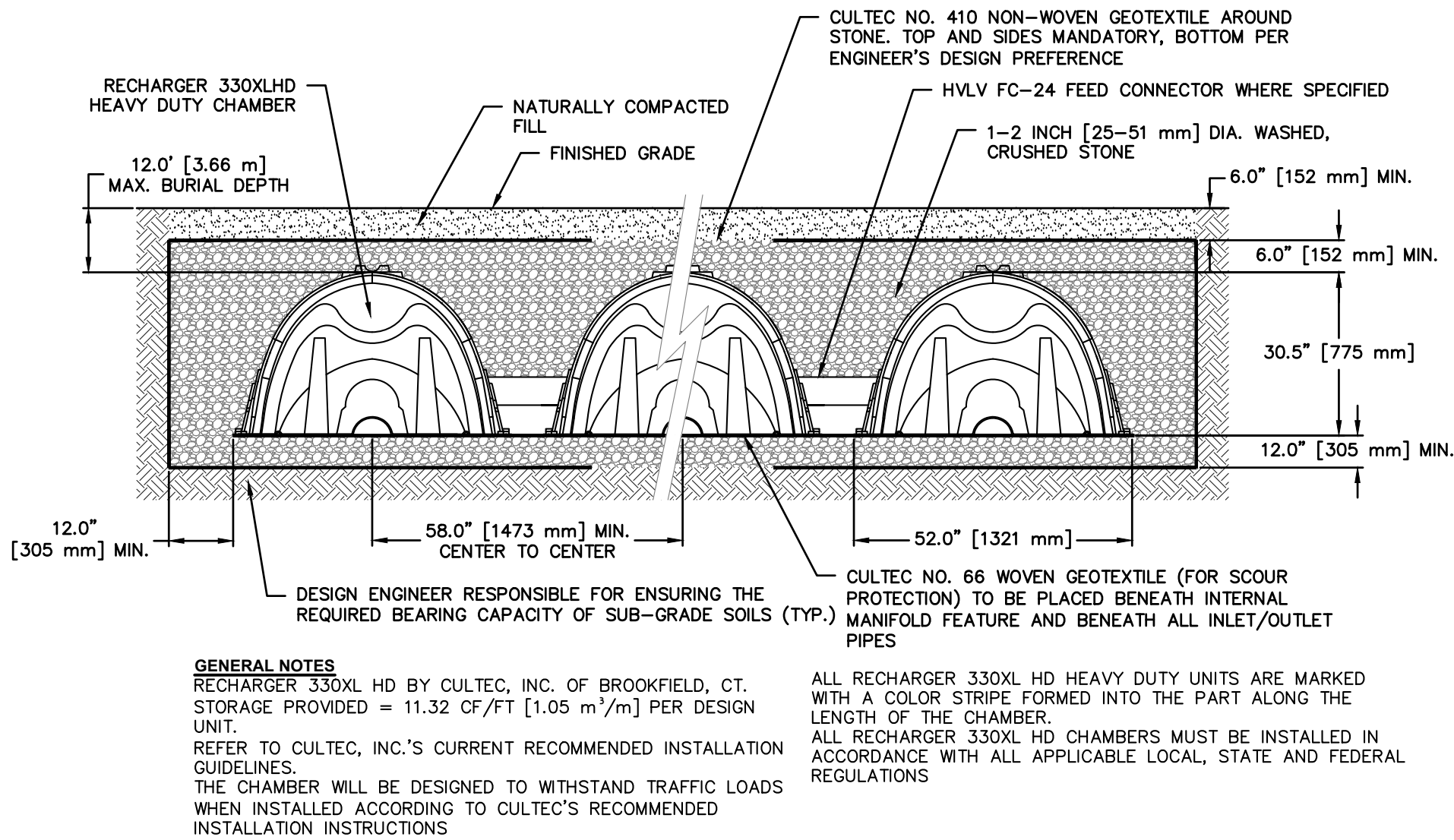
Revisions:
1. 04/28/21
2. 05/19/21
3. 05/19/21

REVIEWED PER CONSULTANT'S COMMENTS
REVIEWED BASED ON DISCREPANCIES
DATE

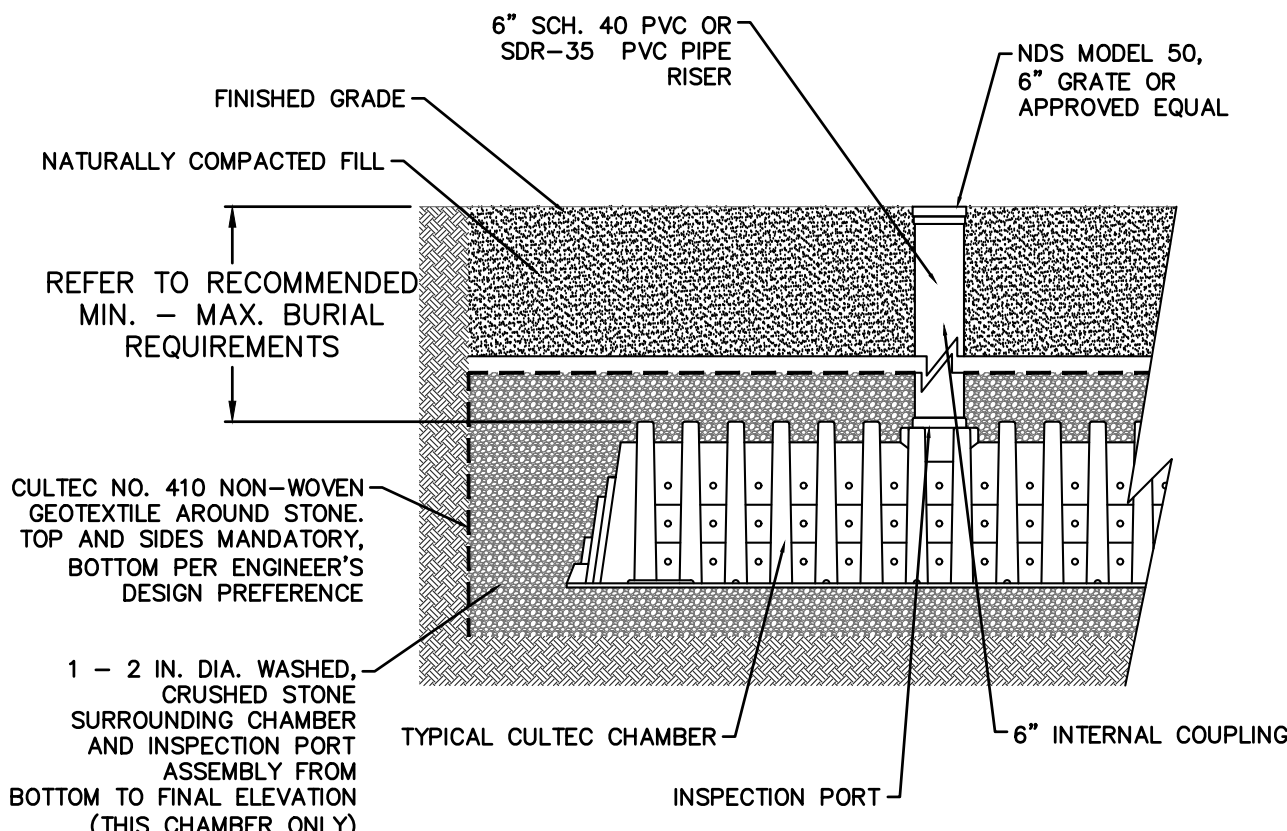
STATE OF NEW YORK
MICHAEL J. STERN
LICENSED PROFESSIONAL ENGINEER
No. 60857

C-1

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.



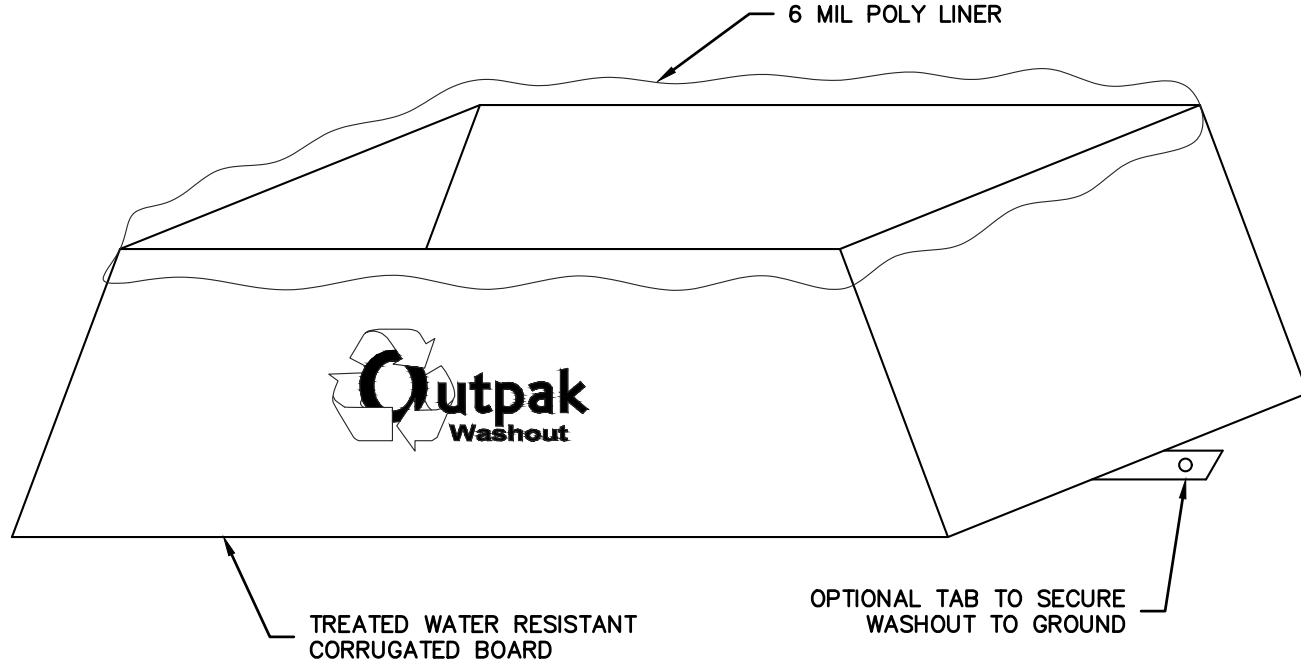
CULTEC RECHARGER 330XLHD



CULTEC INSPECTION PORT

STORMWATER MANAGEMENT FACILITIES MAINTENANCE PROGRAM

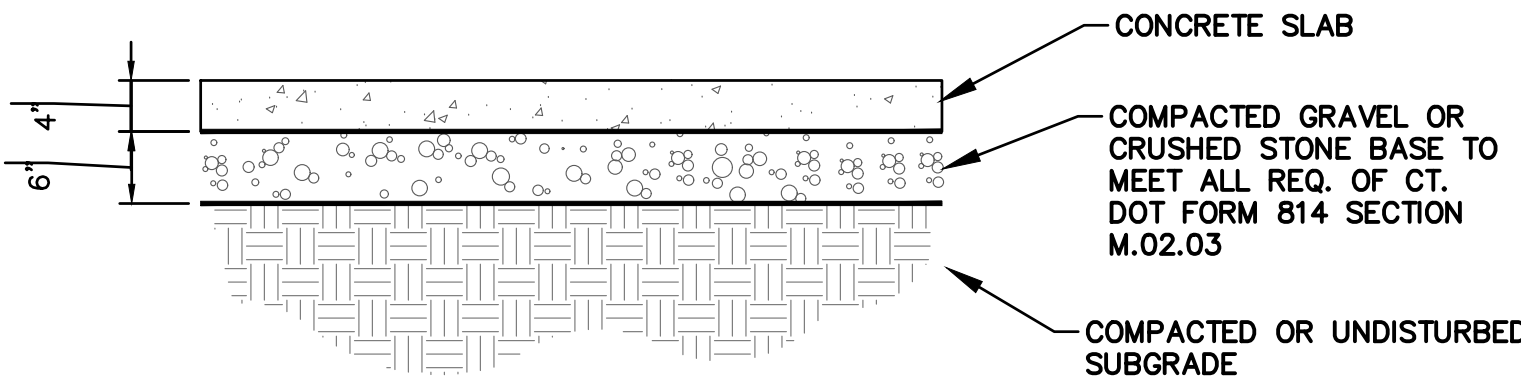
MEASURE	DATES FOR INSPECTION	TIMING, ACTIVITY, AND LOCATION
GENERAL MAINTENANCE (STORM SEWER, CATCH BASINS/ DRAIN INLETS, MANHOLES, PRE-TREATMENT DEVICE AND INFILTRATION BASIN)	ALL	ALL STORMWATER FACILITIES SHALL BE INSPECTED IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION, AND THEN MONTHLY FOR THE FIRST THREE (3) MONTHS FOLLOWING THE COMPLETION OF THE PROJECT. WITHIN THE FIRST THREE (3) MONTHS, INSPECTIONS SHALL IMMEDIATELY BE PERFORMED FOLLOWING A LARGE STORM EVENT (I.E. PRODUCING 1/2" (ONE-HALF INCH) OF RAIN OR GREATER. THEREAFTER, THESE FACILITIES SHALL BE INSPECTED AS DESCRIBED AS FOLLOWS. UPON INSPECTION, FACILITIES SHALL BE IMMEDIATELY MAINTAINED AND/OR CLEANED AS MAY BE REQUIRED. ANY SITE AREAS EXHIBITING SOIL EROSION OF ANY KIND SHALL BE IMMEDIATELY RESTORED AND STABILIZED WITH VEGETATION, MULCH OR STONE, DEPENDING ON THE AREA TO BE STABILIZED. UPON EACH INSPECTION, ALL VISIBLE DEBRIS INCLUDING, BUT NOT LIMITED TO, TWIGS, LEAF AND FOREST LITTER SHALL BE REMOVED FROM THE BASIN, OVERFLOW DISCHARGE POINTS AND FRAMES AND GRATES OF DRAINAGE STRUCTURES.
SUMPS - CATCH BASIN/DRAIN INLETS AND DRAIN MANHOLES	UPON COMPLETION OF CONSTRUCTION: -ONCE A MONTH FOR THE FIRST THREE (3) MONTHS AFTER FIRST THREE (3) MONTHS: -EVERY FOUR (4) MONTHS THEREAFTER	ALL CATCH BASIN/DRAIN INLETS AND DRAIN MANHOLES WITH SUMPS HAVE BEEN DESIGNED TO TRAP SEDIMENT PRIOR TO ITS TRANSPORT TO THE INFILTRATION PRACTICE AND, ULTIMATELY, DOWNSTREAM. THESE SUMPS WILL REQUIRE PERIODIC INSPECTION AND MAINTENANCE TO ENSURE THAT ADEQUATE DEPTH IS MAINTAINED WITHIN THE SUMPS. THE OWNER, OR THEIR DULY AUTHORIZED REPRESENTATIVE, SHALL TAKE MEASUREMENTS OF THE SUMP DEPTH. IF SEDIMENT HAS ACCUMULATED TO 1/2 (ONE-HALF) THE DEPTH OF THE SUMP, ALL SEDIMENT SHALL BE REMOVED FROM THE SUMP. SEDIMENTS CAN BE REMOVED WITH HAND-LABOR OR WITH A VACUUM TRUCK. THE USE OF ROAD SALT SHALL BE MINIMIZED FOR MAINTENANCE OF ROADWAY AND DRIVEWAY AREAS.
SUBSURFACE EXFILTRATION CHAMBERS/DRY WELL	UPON COMPLETION OF CONSTRUCTION: -IMMEDIATELY AFTER CONSTRUCTION -EVERY SIX (6) MONTHS THEREAFTER (SPRING & FALL) BY INDIVIDUAL HOMEOWNERS	ALL EXFILTRATION SYSTEMS SHALL BE INSPECTED EVERY SIX (6) MONTHS (SPRING AND FALL) FOR EXCESS SEDIMENT ACCUMULATION AND CLOGGING OF INLET AND OUTLET PIPING. DURING DRY WEATHER CONDITIONS, WHEN SEDIMENT HAS ACCUMULATED TO AN AVERAGE DEPTH EXCEEDING 3" (THREE INCHES), THE GALLERY SHALL BE WATER JETTED CLEAN, AND ALL ACCUMULATED SEDIMENTS SHALL BE VACUUMED OUT OR REMOVED MANUALLY. A STADIA ROD MAY BE INSERTED TO DETERMINE THE DEPTH OF THE SEDIMENT. MAINTENANCE OF THE INFILTRATION SYSTEMS LOCATED ON EACH INDIVIDUAL LOT SHALL BE THE RESPONSIBILITY OF THE INDIVIDUAL PROPERTY OWNER.



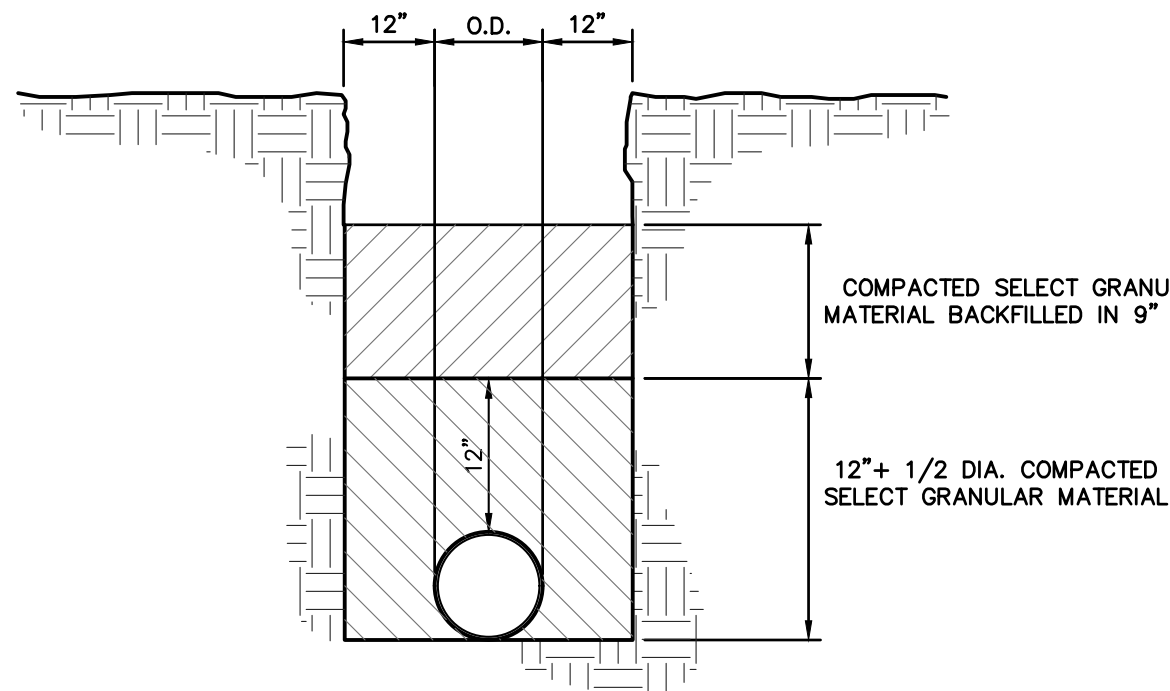
NOTES:

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. LOCATE WASHOUT AT LEAST 50' (15 METERS) FROM STORM DRAIN, OPEN DITCHES, OR WATER BODIES.
8. THE WASHOUT SHALL BE USED ONLY FOR NON-HAZARDOUS WASTES.

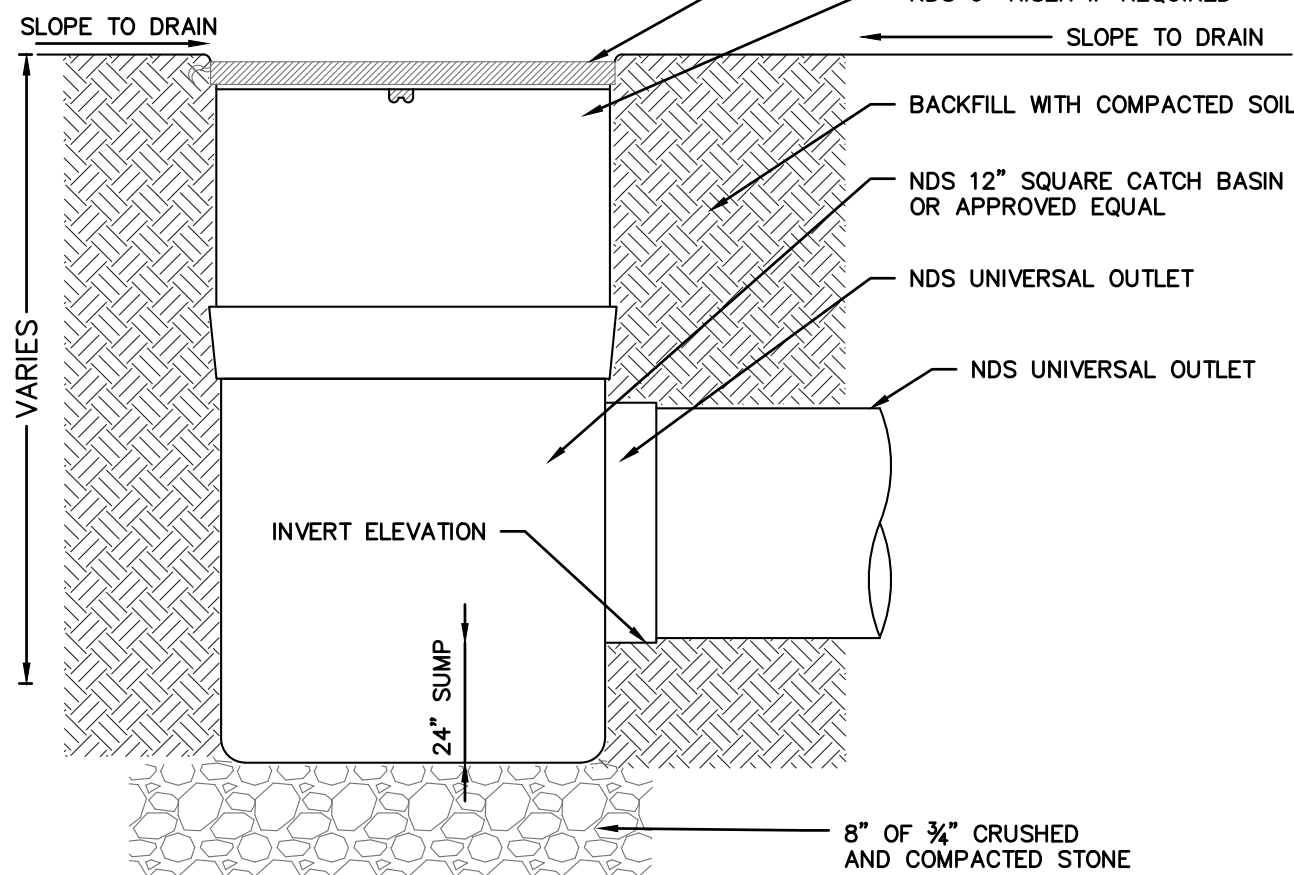
CORRUGATED CONCRETE WASHOUT



POOL EQUIPMENT PAD DETAIL

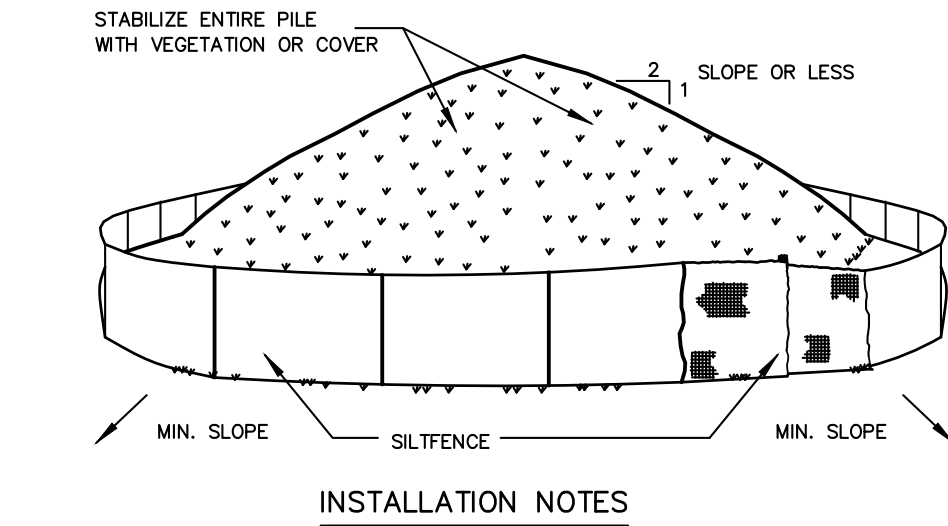


TRENCH BEDDING



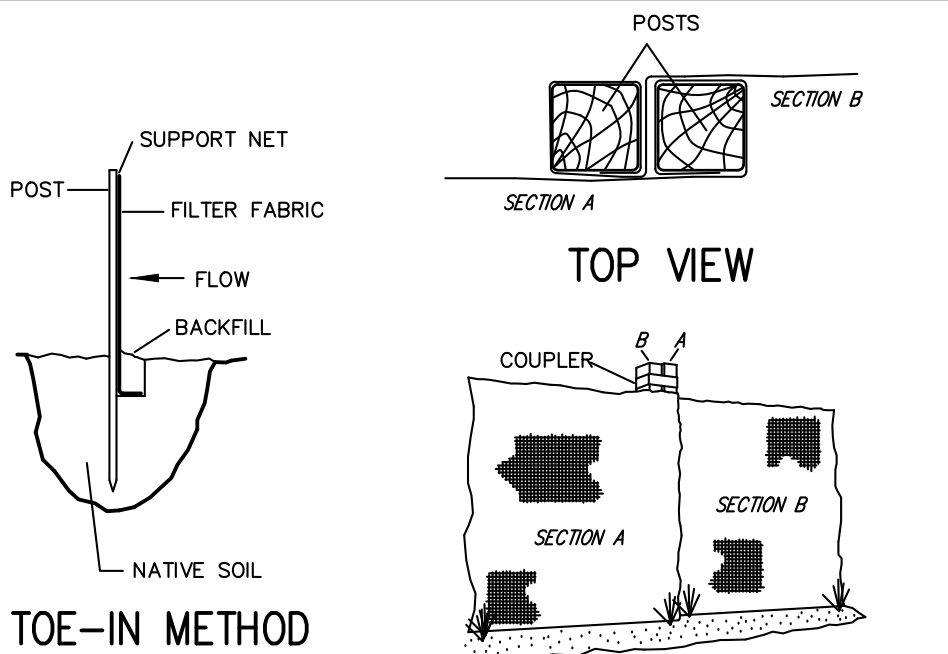
NDS SQUARE CATCH BASIN

SOIL STOCKPILING



- INSTALLATION NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 2. 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.
 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 OR COVERED WITH GEOTEXTILE FABRIC SURROUNDED BY SILT FENCE.
 6. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

SILT FENCE



- 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.

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.

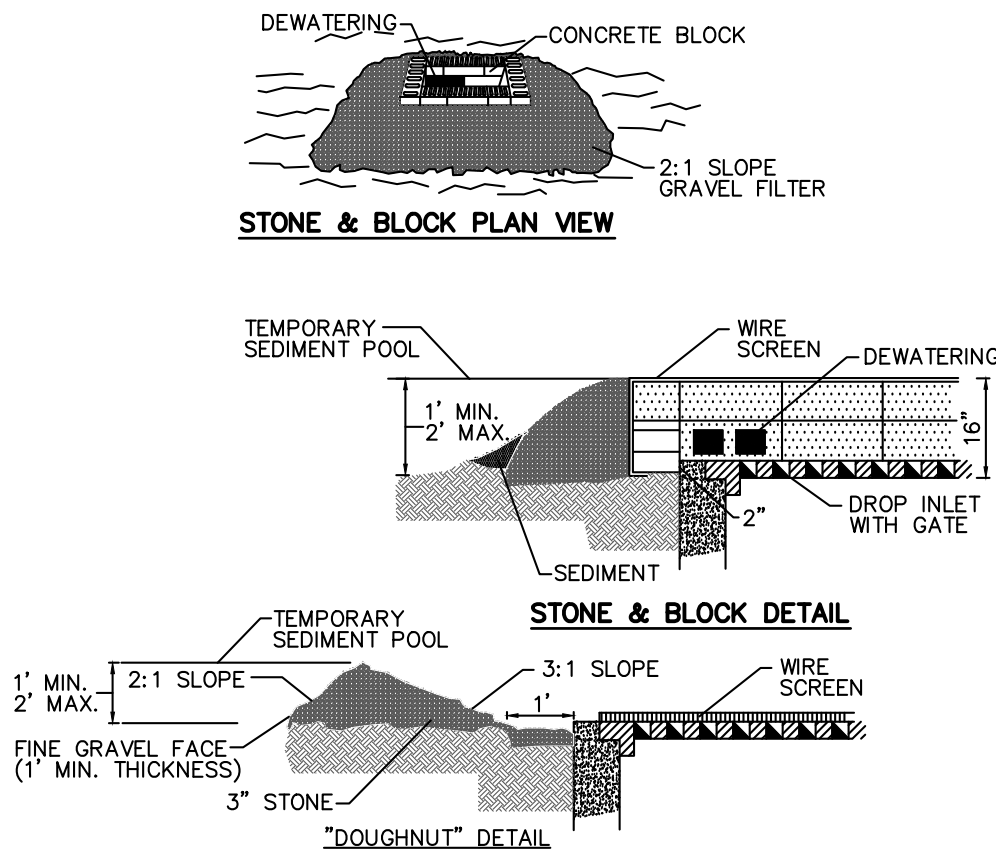
INSPECTION BY MUNICIPALITY - FINAL GRADING
REMOVE UNNEEDED SUBGRADE FROM SITE. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

INSPECTION BY MUNICIPALITY - LANDSCAPING
SPREAD TOPSOIL EVENLY OVER AREAS TO BE SEEDED. HAND RAKE LEVEL. BROADCAST 1.25 LB. BAG OF JONATHAN GREEN "FASTGROW" MIX OR EQUAL OVER AREA TO BE SEEDED. 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.

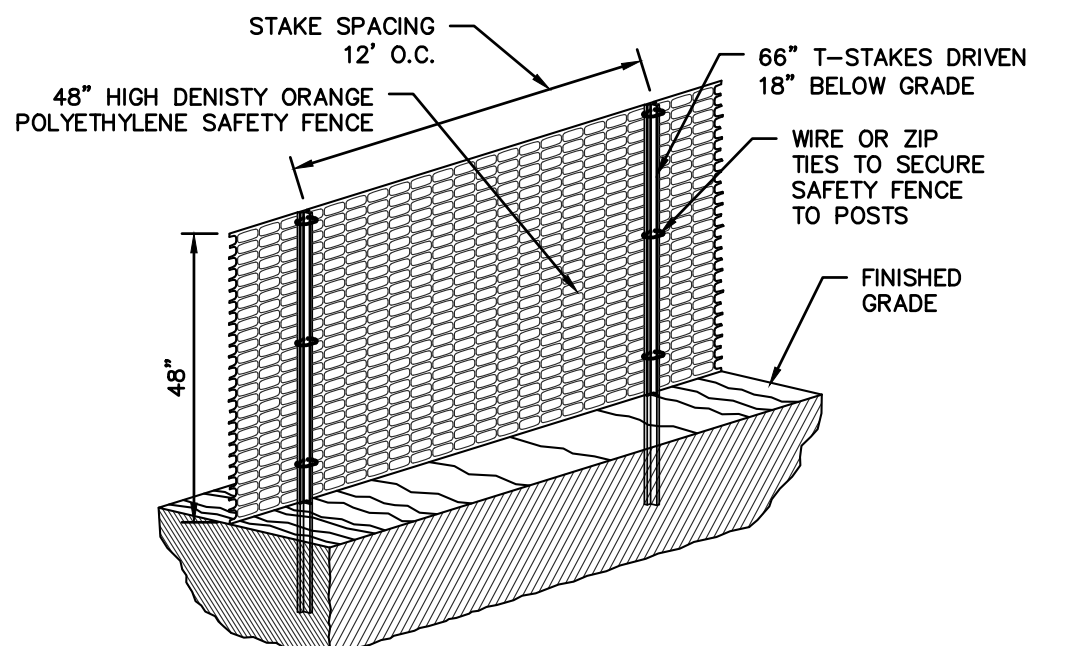
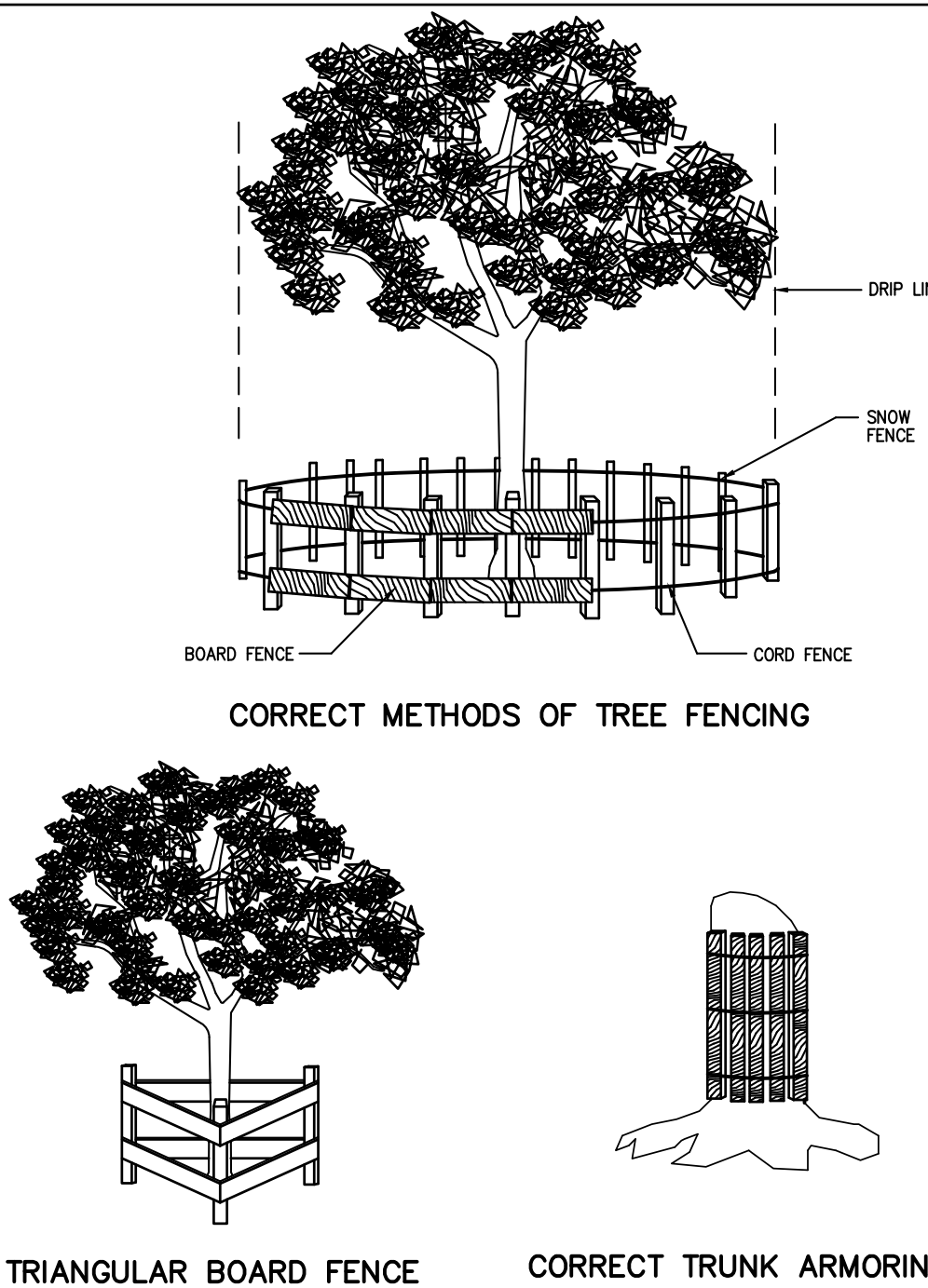
STONE & BLOCK DROP INLET PROTECTION



CONSTRUCTION SPECIFICATION

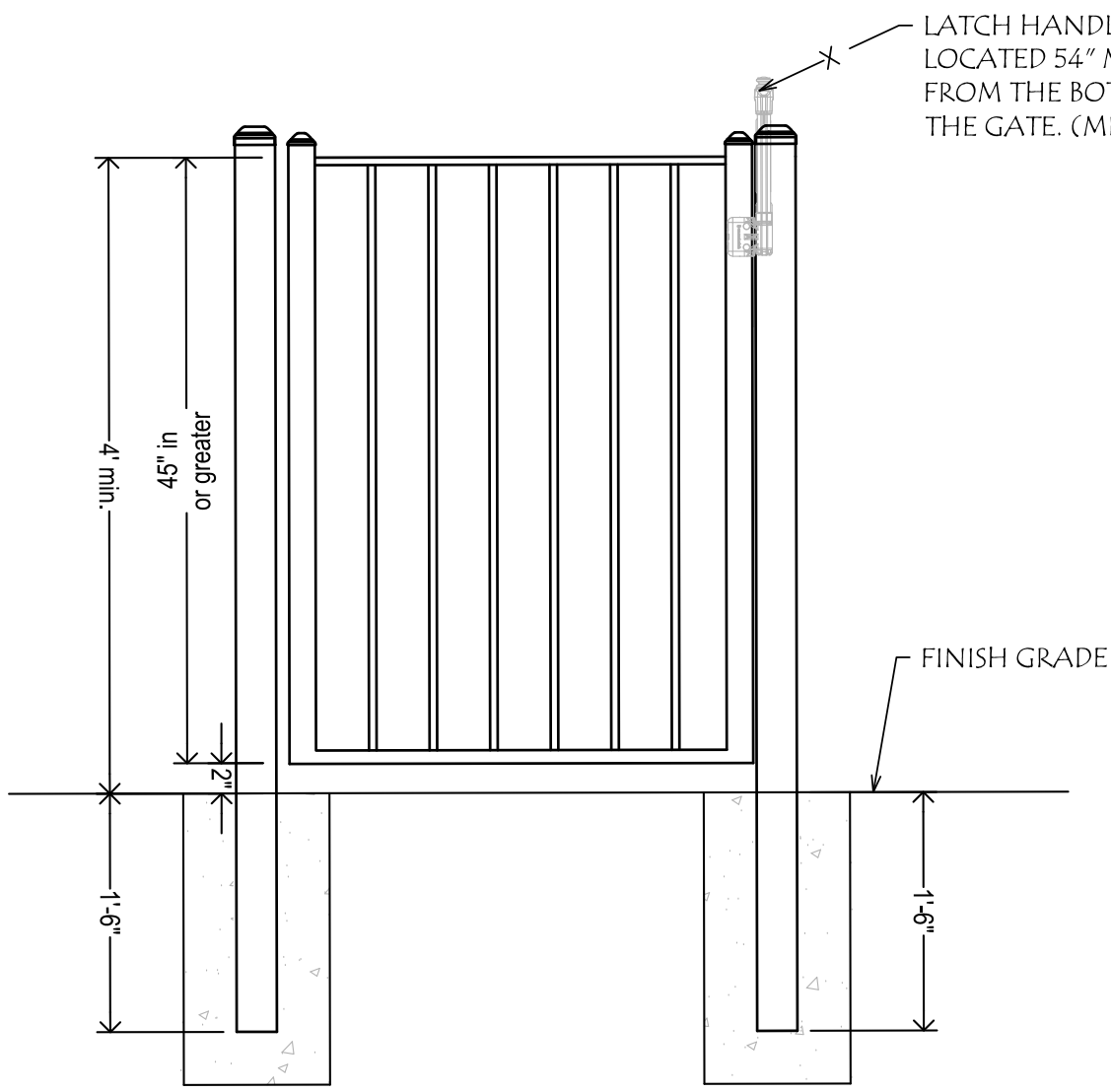
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARECLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL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

FENCING AND ARMORING



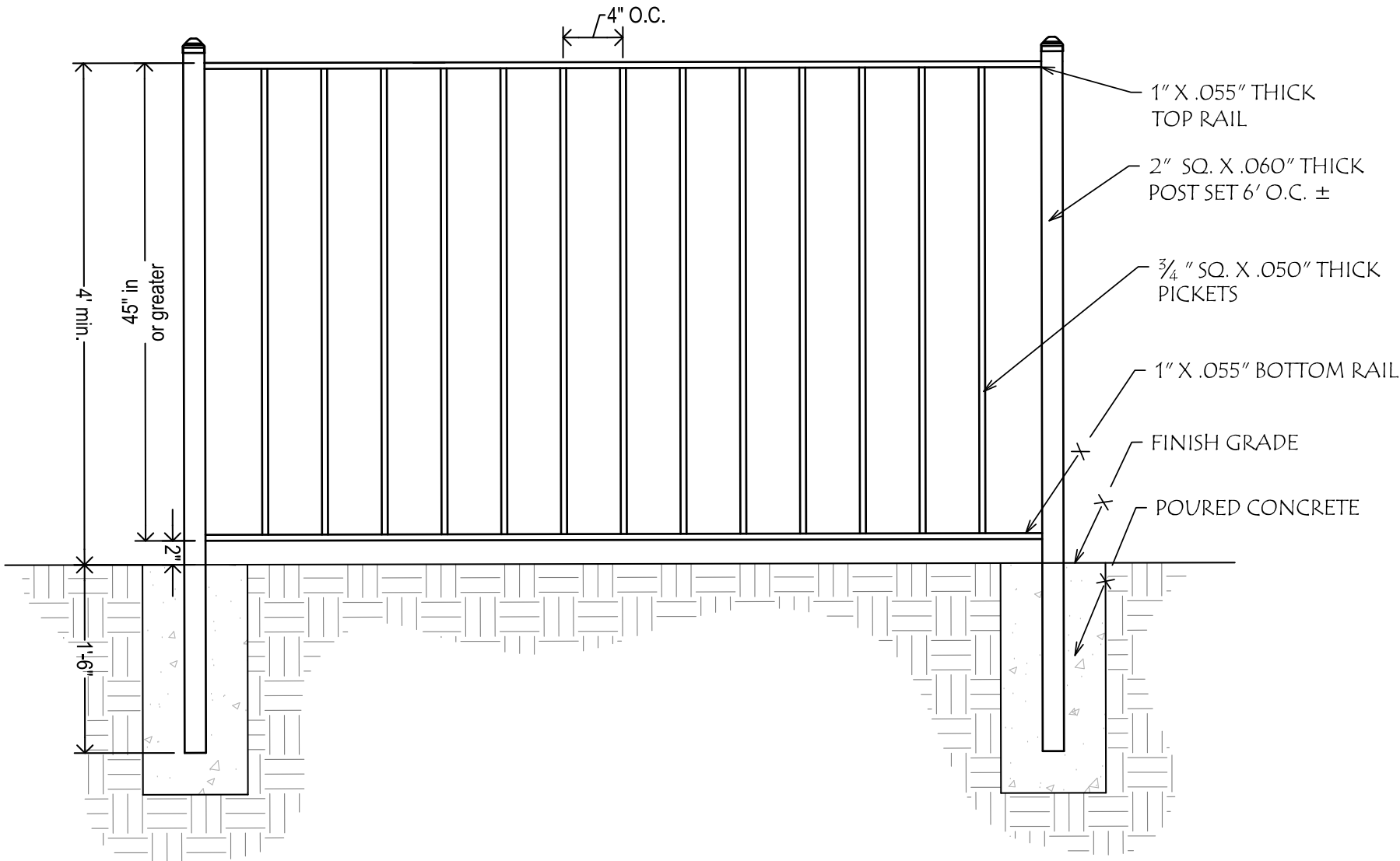
CONSTRUCTION FENCE

REVISIONS DATE BY DESCRIPTION	04/28/21 05/19/21 05/19/21	2 1 1	REVISED PER CONSULTANT'S COMMENTS Revised based on design review received Revised based on design review received
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE			
PROJECT: PROPOSED POOL 167 JUDSON AVENUE VILLAGE OF DOBBS FERRY WESTCHESTER COUNTY - NEW YORK			
DETAILS HUDSON ENGINEERING & CONSULTING, P.C. 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2020			
Date: 11/13/20 Sheet: 2 Scale: 1" = 10' Designed By: M.F. Checked By: M.S. Sheet No. 3			
C-2			



NOTES:

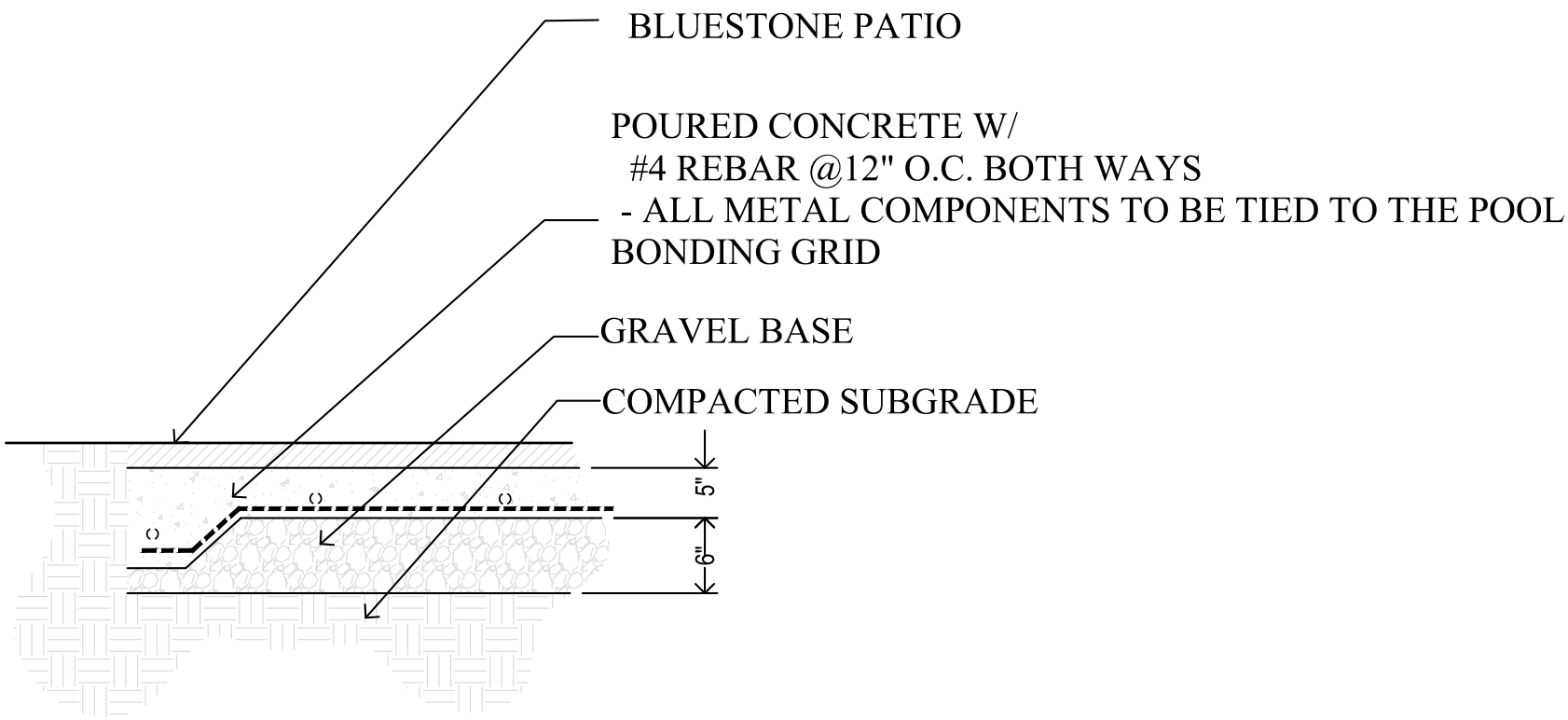
1. Post footing to be set in poured concrete.
2. Fence to be finished in black powder coated finish
3. Refer to all manufacturers specification for Jerrith fence and Magnalatch or approved equals.
4. Gate to open outward / away from pool
5. Gate to be self-closing and latching.
6. Gate to meet all local and state codes for swimming pool enclosure requirements.
7. Where double gate is used, the second gate to be self closing and to be fixed into ground with lockable pin.



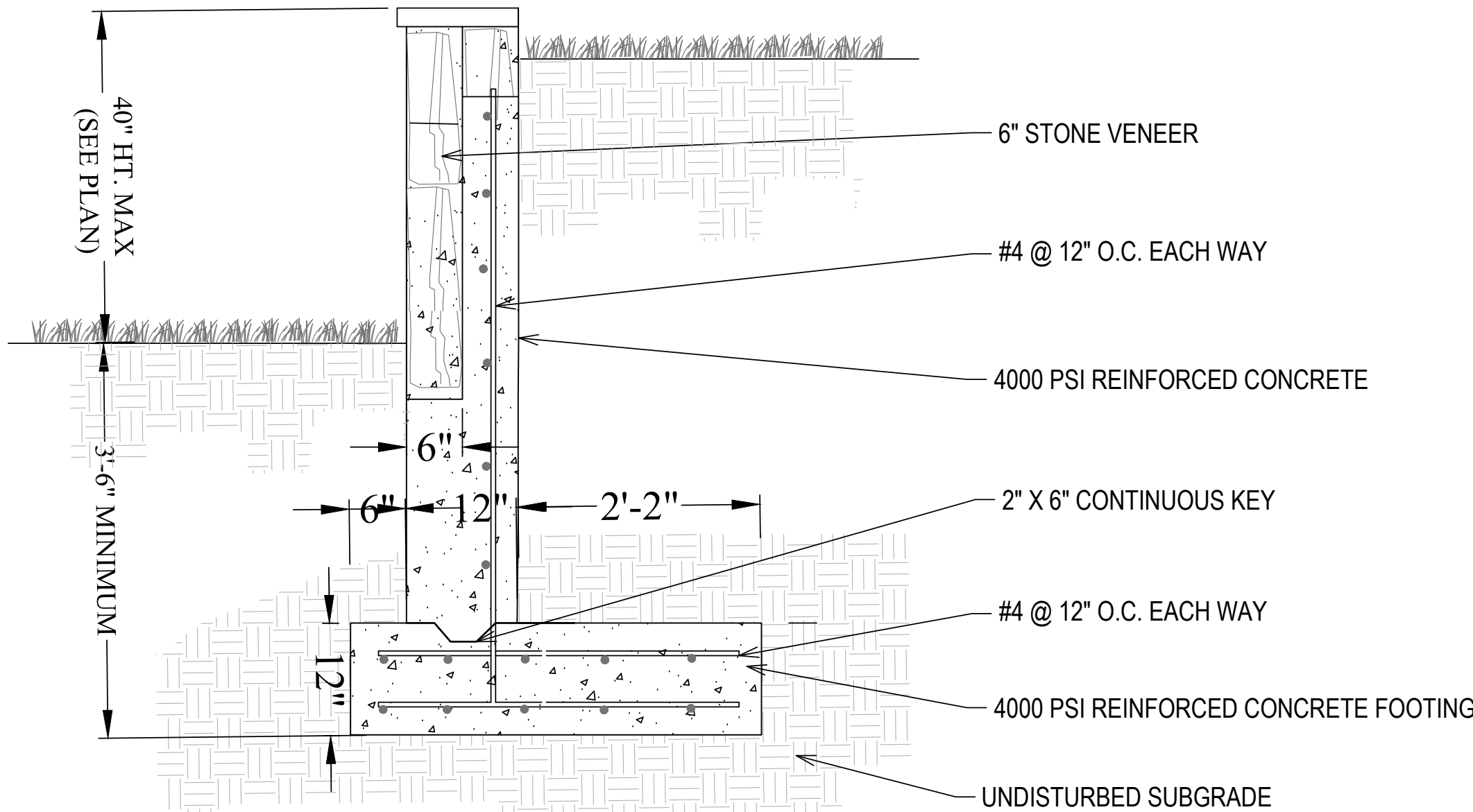
NOTES:

1. Post footing available in 21" and to be set in poured concrete.
2. Fence to be finished in black powder coated finish

TYPICAL ALUMINUM FENCE



PATIO DETAIL



RETAINING WALL DETAIL

POOL ALARM REQUIREMENTS:

EVERY SWIMMING POOL THAT IS INSTALLED, CONSTRUCTED OR SUBSTANTIALLY MODIFIED AFTER DECEMBER 14, 2006 MUST BE EQUIPPED WITH AN APPROVED POOL ALARM. POOL ALARM SHALL COMPLY WITH ASTM F2208, AND SHALL BE INSTALLED, USED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND THIS SECTION

EXCEPTION: A SWIMMING POOL OR SPA EQUIPPED WITH AN AUTOMATIC POWER SAFETY COVER WHICH COMPLIES WITH ASTM F 1346

1. IS CAPABLE OF DETECTING A CHILD ENTERING THE WATER AND GIVING AN AUDIBLE ALARM WHEN IT DETECTS A CHILD ENTERING THE WATER.
2. IS AUDIBLE POOLSIDE AND AT ANOTHER LOCATION ON THE PREMISES WHERE THE SWIMMING POOL IS LOCATED.
3. IS INSTALLED, USED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION
4. IS CLASSIFIED TO REFERENCE STANDARD ASTM F2208, ENTITLED STANDARD SPECIFICATIONS FOR POOL ALARMS (VERSION ADOPTED IN 2007)
5. IS NOT AN ALARM DEVICE WHICH IS LOCATED ON PERSON(S) OR WHICH IS DEPENDENT ON DEVICE(S) LOCATED ON PERSON(S) FOR ITS PROPER OPERATION.

A POOL ALARM MUST BE CAPABLE OF DETECTING ENTRY INTO THE WATER AT ANY POINT ON THE SURFACE OF THE SWIMMING POOL. IF NECESSARY TO PROVIDE DETECTION CAPABILITY AT EVERY POINT ON THE SURFACE OF THE SWIMMING POOL, MORE THAN ONE POOL ALARM MUST BE INSTALLED

POOL ENCLOSURE NOTES:

AN OUTDOOR SWIMMING POOL, INCLUDING AN IN-GROUND, ABOVEGROUND OR ON-GROUND POOL, HOT TUB OR SPA SHALL BE SURROUNDED BY A BARRIER WHICH SHALL COMPLY WITH NEW YORK CODE AS FOLLOWS:

1. THE TOP OF THE BARRIER SHALL BE AT LEAST 4' (48 INCHES) ABOVE GRADE MEASURED ON THE SIDE OF THE BARRIER WHICH FACES AWAY FROM THE SWIMMING POOL. THE MAXIMUM VERTICAL CLEARANCE BETWEEN GRADE AND THE BOTTOM OF THE BARRIER SHALL BE 2 INCHES (51 MM) MEASURED ON THE SIDE OF THE BARRIER WHICH FACES AWAY FROM THE SWIMMING POOL. WHERE THE TOP OF THE POOL STRUCTURE IS ABOVE GRADE, SUCH AS AN ABOVE-GROUND POOL, THE BARRIER MAY BE AT GROUND LEVEL, SUCH AS THE POOL STRUCTURE, OR MOUNTED ON TOP OF THE POOL STRUCTURE, WHERE THE BARRIER IS MOUNTED ON TOP OF THE POOL STRUCTURE, THE MAXIMUM VERTICAL CLEARANCE BETWEEN THE TOP OF THE POOL STRUCTURE AND THE BOTTOM OF THE BARRIER SHALL BE 4 INCHES (102 MM).
2. OPENINGS IN THE BARRIER SHALL NOT ALLOW PASSAGE OF A 4-INCH-DIAMETER (102 MM) SPHERE.
3. SOLID BARRIERS WHICH DO NOT HAVE OPENINGS, SUCH AS A MASONRY OR STONE WALL, SHALL NOT CONTAIN INDENTATIONS OR PROTRUSIONS EXCEPT FOR NORMAL CONSTRUCTION TOLERANCES AND TOOLED MASONRY JOINTS.
4. WHERE THE BARRIER IS COMPOSED OF HORIZONTAL AND VERTICAL MEMBERS AND THE DISTANCE BETWEEN THE TOPS OF THE HORIZONTAL MEMBERS IS LESS THAN 45 INCHES (1143 MM), THE HORIZONTAL MEMBERS SHALL BE LOCATED ON THE SWIMMING POOL SIDE OF THE FENCE. SPACING BETWEEN VERTICAL MEMBERS SHALL NOT EXCEED 1-3/4 INCHES (44 MM) IN WIDTH, WHERE THERE ARE DECORATIVE CUTOUTS WITHIN VERTICAL MEMBERS, SPACING WITHIN THE CUTOUTS SHALL NOT EXCEED 1-3/4 INCHES (44 MM) IN WIDTH.
5. WHERE THE BARRIER IS COMPOSED OF HORIZONTAL AND VERTICAL MEMBERS AND THE DISTANCE BETWEEN THE TOPS OF THE HORIZONTAL MEMBERS IS 45 INCHES (1143 MM) OR MORE, SPACING BETWEEN VERTICAL MEMBERS SHALL NOT EXCEED 4 INCHES (102 MM), WHERE THERE ARE DECORATIVE CUTOUTS WITHIN VERTICAL MEMBERS, SPACING WITHIN THE CUTOUTS SHALL NOT EXCEED 1-3/4 INCHES (44 MM) IN WIDTH.
6. MAXIMUM MESH SIZE FOR CHAIN LINK FENCES SHALL BE A 2 1/4-INCH (57 MM) SQUARE UNLESS THE FENCE HAS SLATS FASTENED AT THE TOP OR THE BOTTOM WHICH REDUCE THE OPENINGS TO NOT MORE THAN 1-3/4 INCHES (44 MM).
7. WHERE THE BARRIER IS COMPOSED OF DIAGONAL MEMBERS, SUCH AS A LATTICE FENCE, THE MAXIMUM OPENING FORMED BY THE DIAGONAL MEMBERS SHALL NOT BE MORE THAN 1-3/4 INCHES.
8. GATES SHALL COMPLY WITH THE REQUIREMENTS OF SECTION R326.4.2.1 THROUGH R326.4.2.6, AND WITH THE FOLLOWING REQUIREMENTS:
 - 8.1. ALL GATES SHALL BE SELF-CLOSING. IN ADDITION, IF THE GATE IS A PEDESTRIAN ACCESS GATE, THE GATE SHALL OPEN OUTWARD, AWAY FROM THE POOL.
 - 8.2. ALL GATES SHALL BE SELF-LATCHING, WITH THE LATCH HANDLE LOCATED WITHIN THE ENCLOSURE (I.E., ON THE POOL SIDE OF THE ENCLOSURE) AND AT LEAST 40 INCHES (1016 MM) ABOVE GRADE. IN ADDITION, IF THE LATCH HANDLE IS LOCATED LESS THAN 54 INCHES (1372 MM) FROM THE BOTTOM OF THE GATE, THE LATCH HANDLE SHALL BE LOCATED AT LEAST 3 INCHES (76 MM) BELOW THE TOP OF THE GATE, AND NEITHER THE GATE NOR THE BARRIER SHALL HAVE ANY OPENING GREATER THAN 0.5 INCH (12.7 MM) WITHIN 18 INCHES (45 MM) OF THE LATCH HANDLE.

8.1. ALL GATES SHALL BE SECURELY LOCKED WITH A KEY, COMBINATION OR OTHER CHILD PROOF LOCK, SUFFICIENT TO PREVENT ACCESS TO THE SWIMMING POOL THROUGH SUCH GATE WHEN THE SWIMMING POOL IS NOT IN USE OR SUPERVISED.

9. WHERE A WALL OF A DWELLING SERVES AS PART OF THE BARRIER, PROVIDED THAT THE WALL MEET THE APPLICABLE BARRIER REQUIREMENTS OF SECTION R326.4.2.1 THROUGH R326.4.2.6, AND ONE THE FOLLOWING CONDITION SHALL BE MET:

- 9.1. DOORS WITH DIRECT ACCESS TO THE POOL THROUGH THAT WALL SHALL BE EQUIPPED WITH AN ALARM THAT PRODUCES AN AUDIBLE WARNING WHEN DOOR AND/OR ITS SCREEN, IF PRESENT, ARE OPENED. THE ALARM SHALL BE LISTED IN ACCORDANCE WITH UL 2017. THE AUDIBLE ALARM SHALL ACTIVATE WITHIN 7 SECONDS AND SOUND CONTINUOUSLY FOR MINIMUM OF 30 SECONDS, AFTER THE DOOR AND/OR ITS SCREEN, IF PRESENT, ARE OPENED AND BE CAPABLE OF BEING HEARD THROUGHOUT THE HOUSE DURING NORMAL HOUSEHOLD ACTIVITIES. THE ALARM SHALL AUTOMATICALLY RESET UNDER ALL CONDITIONS. THE ALARM SYSTEM SHALL BE EQUIPPED WITH A MANUAL MEANS, SUCH AS TOUCH PAD OR SWITCH, TO TEMPORARILY DEACTIVATE THE ALARM FOR A SINGLE OPENING. DEACTIVATION SHALL LAST FOR NOT MORE THAN 15 SECONDS, AND
- 9.2. OPERABLE WINDOWS IN THE WALL USED AS A BARRIER SHALL HAVE A LATCHING DEVICE LOCATED NO LESS THAN 48 INCHES ABOVE THE FLOOR. OPENING IN OPERABLE WINDOWS SHALL NOT ALLOW A 4-INCH DIAMETER (102 MM) SPHERE TO PASS THROUGH THE OPENING WHEN THE WINDOW IS IN ITS LARGEST OPENED POSITION, AND
- 9.3. WHERE THE DWELLING IS WHOLLY CONTAINED WITHIN THE POOL BARRIER OR ENCLOSURE, ALARMS SHALL BE PROVIDED AT EVERY DOOR WITH DIRECT ACCESS TO THE POOL, OR
- 9.4. OTHER APPROVED MEANS OF PROTECTION, SUCH AS SELF-CLOSING WITH SELF-LATCHING DEVICES, SO LONG AS THE DEGREE OF PROTECTION AFFORDED IS NOT LESS THAN THE PROTECTION AFFORDED BY ITEMS 9.1, 9.2, 9.3 DESCRIBE ABOVE.

10. WHERE AN ALARM IS PROVIDED, THE DEACTIVATION SWITCH SHALL BE LOCATED 54 INCHES (1372 MM) OR MORE ABOVE THE THRESHOLD OF THE DOOR. IN DWELLINGS REQUIRED TO BE ACCESSIBLE UNITS, TYPE A UNITS, OR TYPE B UNITS, THE DEACTIVATION SWITCH SHALL BE LOCATED 48 INCHES (1219 MM) ABOVE THE THRESHOLD OF THE DOOR.

11. THE POOL AND SPA SHALL BE EQUIPPED WITH A POWERED SAFETY COVER IN COMPLIANCE WITH ASTM F1346.

TEMPORARY POOL ENCLOSURE NOTES:

DURING THE INSTALLATION OR CONSTRUCTION OF A SWIMMING POOL DURING THE INSTALLATION OR CONSTRUCTION OF A SWIMMING POOL, THE SWIMMING POOL MUST BE ENCLOSED BY A TEMPORARY ENCLOSURE. THE TEMPORARY ENCLOSURE MAY CONSIST OF A TEMPORARY FENCE, A PERMANENT FENCE, THE WALL OF A PERMANENT STRUCTURE, ANY OTHER STRUCTURE, OR ANY COMBINATION OF THE FOREGOING. HOWEVER:

1. ALL PORTIONS OF THE TEMPORARY ENCLOSURE MUST BE AT LEAST FOUR(4) FEET HIGH, AND
2. ALL COMPONENTS OF THE TEMPORARY ENCLOSURE MUST BE SUFFICIENT TO PREVENT ACCESS TO THE SWIMMING POOL BY ANY PERSON NOT ENGAGED IN THE INSTALLATION OR CONSTRUCTION PROCESS AND TO PROVIDE FOR THE SAFETY OF ALL SUCH PERSONS.

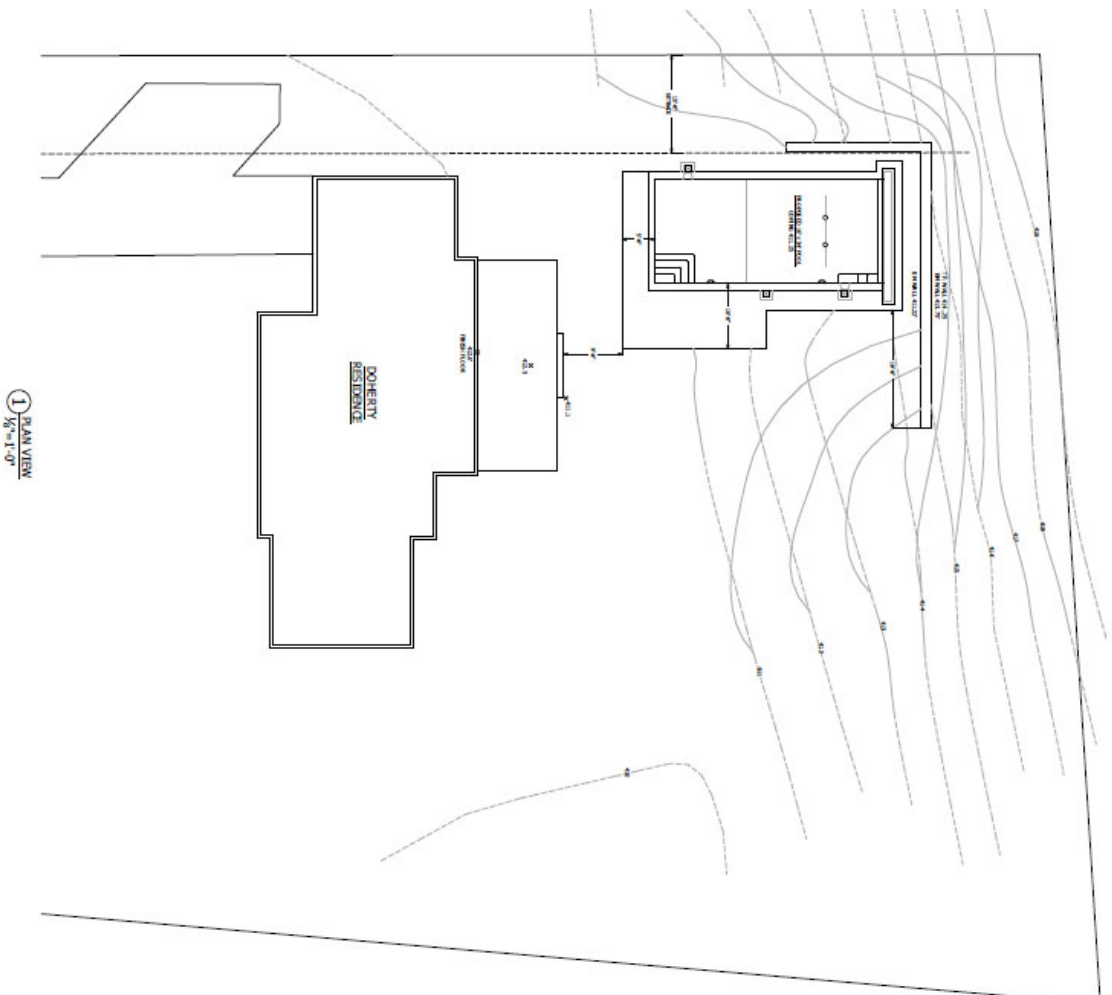
THE TEMPORARY ENCLOSURE MUST REMAIN IN PLACE THROUGHOUT THE PERIOD OF INSTALLATION OR CONSTRUCTION OF THE SWIMMING POOL, AND THEREAFTER UNTIL THE INSTALLATION OR CONSTRUCTION OF A PERMANENT ENCLOSURE HAS BEEN COMPLETED. THE TEMPORARY ENCLOSURE MUST BE REPLACED BY A PERMANENT ENCLOSURE. THE PERMANENT ENCLOSURE MUST COMPLY WITH ALL APPLICABLE "BARRIER REQUIREMENTS" DESCRIBED AT PAGES 2 TO 7 OF THIS PUBLICATION, AND WITH ANY ADDITIONAL REQUIREMENTS THAT MAY BE IMPOSED BY ANY OTHER NEW YORK STATE CODES OR REGULATIONS APPLICABLE TO SWIMMING POOL ENCLOSURES OR BY ANY LOCAL LAW APPLICABLE TO SWIMMING POOL ENCLOSURES AND IN EFFECT IN THE LOCATION WHERE THE SWIMMING POOL HAS BEEN INSTALLED OR CONSTRUCTED.

THE PERMANENT ENCLOSURE MUST BE COMPLETED WITHIN NINETY DAYS AFTER THE DATE OF ISSUANCE OF THE BUILDING PERMIT FOR THE INSTALLATION OR CONSTRUCTION OF THE SWIMMING POOL, OR THE DATE OF COMMENCEMENT OF THE INSTALLATION OR CONSTRUCTION OF THE SWIMMING POOL, WHICHEVER IS LATER. (IF THE SWIMMING POOL IS INSTALLED OR CONSTRUCTED WITHOUT THE ISSUANCE OF A BUILDING PERMIT, THE PERMANENT ENCLOSURE MUST BE COMPLETED WITHIN NINETY DAYS AFTER THE DATE OF COMMENCEMENT OF THE INSTALLATION OR CONSTRUCTION OF THE SWIMMING POOL. NOTE, HOWEVER, THAT THIS PROVISION DOES NOT PERMIT THE INSTALLATION OR CONSTRUCTION OF A POOL WITHOUT A BUILDING PERMIT WHERE SUCH A PERMIT IS REQUIRED BY APPLICABLE LAW.) THE LOCAL CODE ENFORCEMENT OFFICIAL HAS AUTHORITY TO EXTEND THE 90 DAY PERIOD FOR COMPLETION OF THE PERMANENT ENCLOSURE FOR GOOD CAUSE, SUCH AS A DELAY IN CONSTRUCTION CAUSED BY BAD WEATHER.

REVISIONS NO. DATE DESCRIPTION 1 04/28/21 Revised based on comments received 03/10/21	PROJECT: PROPOSED POOL 167 JUDSON AVENUE VILLAGE OF DOBBS FERRY WESTCHESTER COUNTY – NEW YORK	
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE	DETAILS 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2020	

Pool Plantings

167 Judson Ave





Skip Laurel



New York Fern
(or other indigenous)







IF AN ITEM BEARING THE SEAL OF A LANDSCAPE ARCHITECT IS ALTERED, THE ALTERING ENGINEER OR LANDSCAPE ARCHITECT SHALL AFFIX TO THIS DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

[illegible]

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