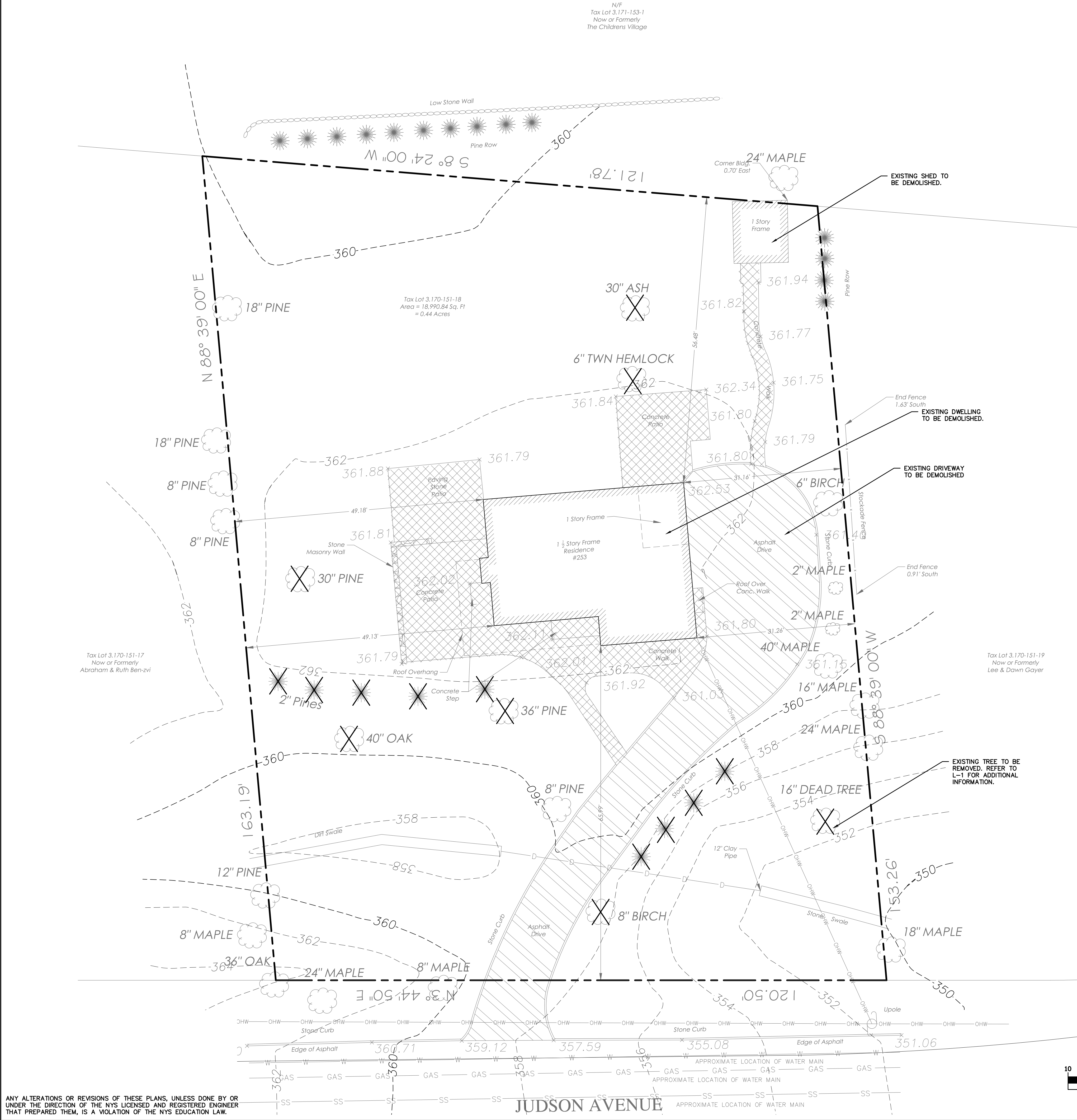




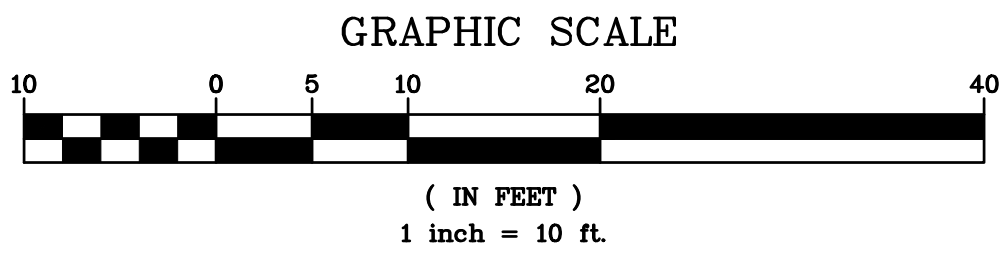
LEGEND

- PROPERTY LINE
TREE TO BE REMOVED
PATIO/WALKWAY TO BE REMOVED
ASPHALT DRIVEWAY TO BE REMOVED



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.

EXISTING INFORMATION SHOWN HEREON PROVIDED BY TC MERRITTS LAND SURVEYORS DATED JUNE 2, 2021



SEE L-1 FOR ADDITIONAL TREE REMOVAL INFORMATION

PROJECT INFORMATION:
PROPERTY OWNER & APPLICANT:
MICHAEL MORTONE
41 CEDAR STREET APT 3
DOBBS FERRY, NY 10522

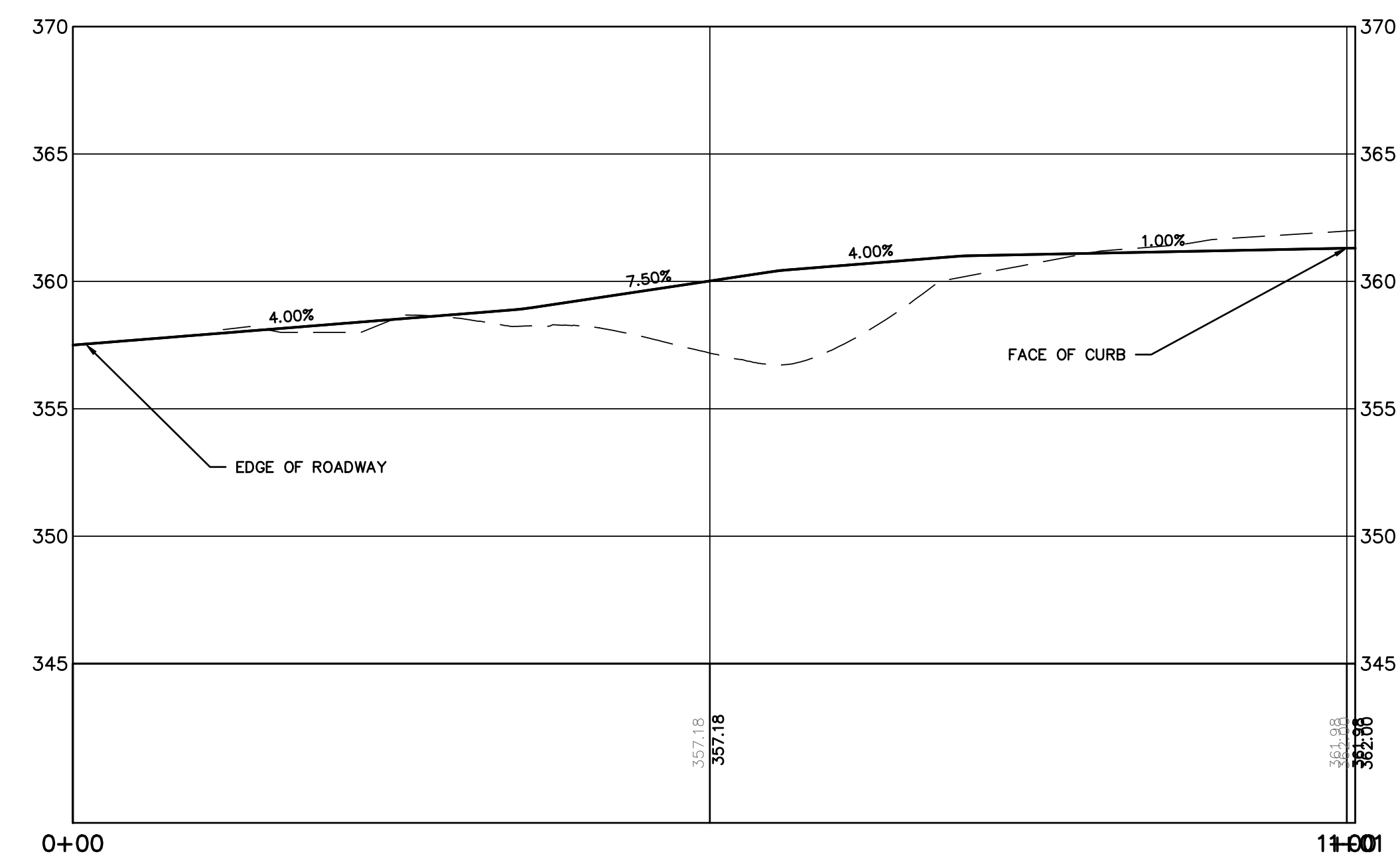
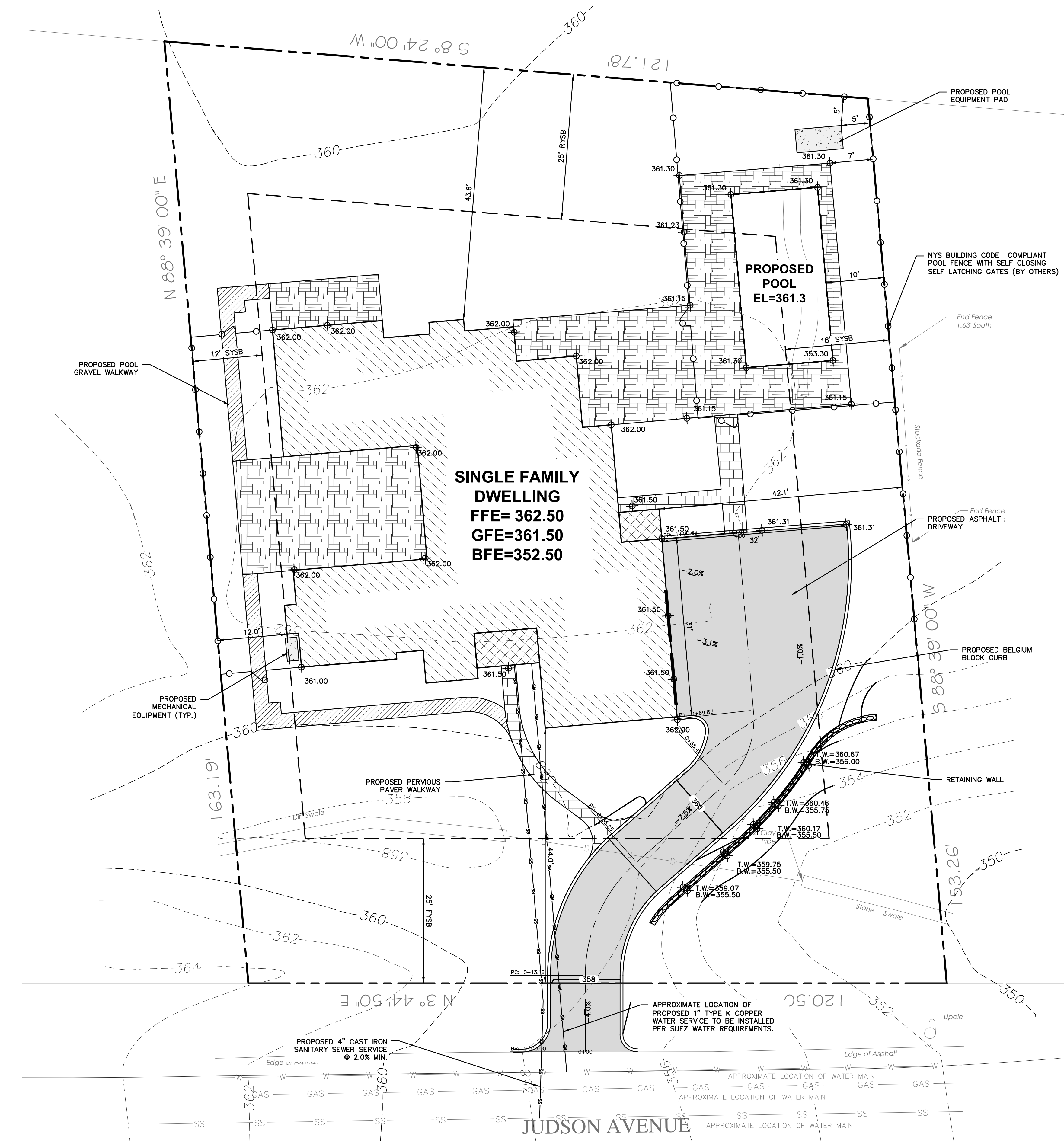
SURVEYOR:
TC MERRITTS LAND SURVEYORS
394 BEDFORD ROAD
PLEASANTVILLE, NY 10570

ENGINEER:
HUDSON ENGINEERING & CONSULTING
45 KNOLLWOOD ROAD - SUITE 201
ELMSFORD, NY 10523

ARCHITECT:
EVANS ARCHITECTS
470 CHAMBERLAIN AVENUE
PATERSON, NJ 07522

LANDSCAPE ARCHITECT:
ASPECT 120 LANDSCAPE ARCHITECTURE
95 NORTH BROADWAY SUITE 223
IRVINGTON, NY 10533

No.	Description	Revisions	Date	PROJECT:	
				PROPOSED DWELLING 253 JUDSON AVENUE VILLAGE OF DOBBS FERRY WESTCHESTER COUNTY - NEW YORK	
				DEMOLITION PLAN	
				HUDSON ENGINEERING CONSULTING, P.C. 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2021	
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE					
				Date: 06/10/21 Sheet: 1 Scale: 1" = 10' Designed By: T.K. Checked By: M.S. Sheet No. 5	
				C-1	



PROFILE STA. 0+00 TO STA. 1+01
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 5'

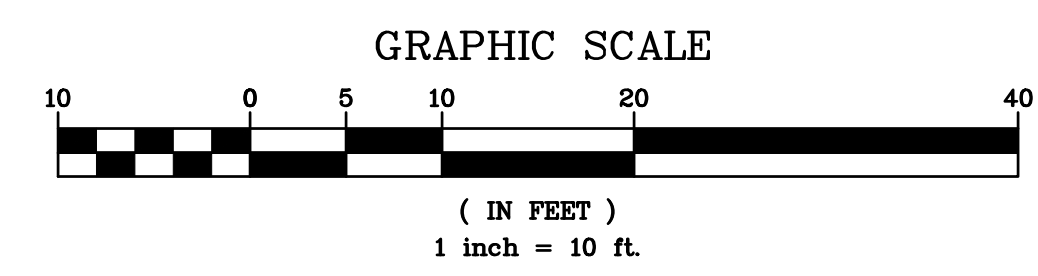
ZONING ANALYSIS TABLE			
SECTION: 3.70 BLOCK: 151 LOT: 18	DISTRICT: OF4 (One-Family Residence)		
	REQ'D	EXISTING	PROPOSED
Lot size (s.f.)	10,000	18,991.0	18,991.0
Net lot area (per 300-34A(2))	10,000	17,910.0	17,910.0
Min. Lot Width (ft.)	100	120.5	120.5
Min. Lot Depth (ft.)	100	152.7	152.7
Min. Yards			
- Front (ft.)	25	66.0	44.0
- Side 1 (ft.)	12	31.3	12.0
- Side Both (ft.)	30	80.4	54.1
- Rear (ft.)	25	56.5	43.6
Max. Bldg. Coverage (sf)	4,178	1,239	3,158
Max. Bldg. Coverage (%)	22.0%	6.5%	16.6%
Max. Impervious Cov. (sf)	7596.4	4580	7548
Max. Impervious Cov. (%)	40.0%	24.1%	39.7%

LEGEND

- PROPERTY LINE
- PROPOSED BELGIAN BLOCK CURB
- PROPOSED ASPHALT DRIVEWAY
- PROPOSED BLUESTONE PATIO
- PROPOSED CONCRETE MECHANICAL PAD
- PROPOSED PERVIOUS PAVER WALKWAY
- PROPOSED GRAVEL WALKWAY
- PROPOSED STONE MASONRY WALL
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- PROPOSED STORM PIPE
- PROPOSED DRAIN INLET
- PROPOSED FENCE
- PROPOSED TRENCH DRAIN
- PROPOSED WATER SERVICE
- PROPOSED SANITARY SEWER SERVICE

PROJECT INFORMATION:
PROPERTY OWNER & APPLICANT:
MICHAEL MARFIONE
41 CEDAR STREET APT 3
DOBBS FERRY, NY 10522
SURVEYOR:
TC MERRITTS LAND SURVEYORS
394 BEDFORD ROAD
PLEASANTVILLE, NY 10570
ENGINEER:
HUDSON ENGINEERING & CONSULTING
45 KNOLLWOOD ROAD - SUITE 201
ELMSFORD, NY 10523
ARCHITECT:
EVANS ARCHITECTS
470 CHAMBERLAIN AVENUE
PATERSON, NJ 07522
LANDSCAPE ARCHITECT:
ASPECT 120 LANDSCAPE ARCHITECTURE
90 NORTH BROADWAY SUITE 223
IRVINGTON, NY 10533

EXISTING INFORMATION SHOWN HEREON
PROVIDED BY TC MERRITTS LAND
SURVEYORS DATED JUNE 2, 2021



Revisions

Date

No.

Description

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

PROJECT:

PROPOSED DWELLING
253 JUDSON AVENUE
VILLAGE OF DOBBS FERRY
WESTCHESTER COUNTY – NEW YORK

SITE PLAN

HEC

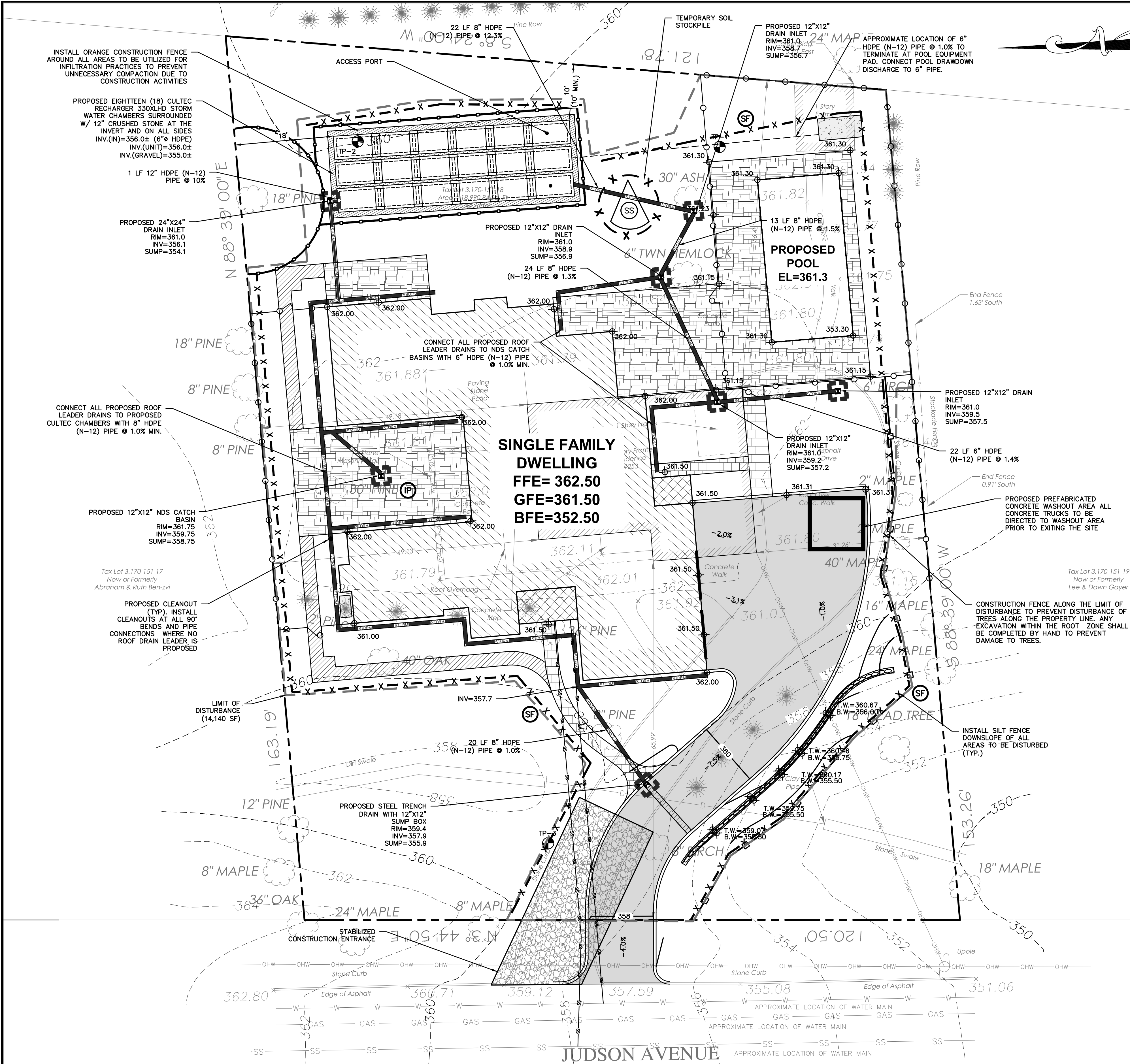
HUDSON
ENGINEERING
&
CONSULTING, P.C.
45 Knollwood Road, Suite 201
Elmsford, New York 10523
T: 914-909-0420
F: 914-560-2086
© 2021

STATE OF NEW YORK
MICHAEL F. STEIN
No. 90851
LICENSED PROFESSIONAL ENGINEER

Date: 06/10/21 Sheet: 2
Scale: 1" = 10'
Designed By: T.K.
Checked By: M.S.
Sheet No. 5

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.



SITE NOTES:

1. THE BUILDING INSPECTOR OR VILLAGE ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF DEEMED APPROPRIATE TO MITIGATE UNFORESEEN SILTATION AND EROSION OF DISTURBED SOILS.
2. "AS-BUILT" DRAWINGS OF THE SITE IMPROVEMENTS SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW PRIOR TO OBTAINING CERTIFICATE OF OCCUPANCY.
3. 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.
4. THE INFILTRATION SYSTEM MUST NOT BE CONNECTED UNTIL CONSTRUCTION IS COMPLETE AND THE CONTRIBUTING AREA IS STABILIZED.
5. INFILTRATION ACCESS PORTS SHALL BE SHOWN ON THE "AS-BUILT" PERMIT.
6. 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 GUARANTEE WHICH SHALL BE IN AN AMOUNT DETERMINED BY THE PLANNING BOARD AND THE VILLAGE ENGINEER IN A FORM SATISFACTORY TO THE VILLAGE ATTORNEY.
7. A STREET OPENING PERMIT SHALL BE OBTAINED FOR ALL WORK WITHIN THE RIGHT-OF-WAY.

CONSTRUCTION SEQUENCING:

1. PLACE ORANGE CONSTRUCTION FENCING AROUND AREAS TO BE USED FOR EX-FILTRATION TO AVOID COMPACTION
2. INSTALL TREE PROTECTION ON TREES AS NOTED ON PLANS.
3. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION.
4. INSTALL SILT FENCE DOWN SLOPE OF ALL AREAS TO BE DISTURBED AS SHOWN ON THE PLAN.
5. STRIP TOPSOIL AND STOCKPILE AT THE LOCATIONS SPECIFIED ON THE PLANS (UP GRADIENT OF EROSION CONTROL MEASURES). TEMPORARILY STABILIZE TOPSOIL STOCKPILES (HYDROPOSED DURING MAY 1ST THROUGH OCTOBER 31ST PLANTING SEASON OR BY COVERING WITH A TARP(S) NOVEMBER 1ST THROUGH APRIL 30TH. INSTALL SILT FENCE AROUND TOE OF SLOPE.
6. DEMOLISH ANY EXISTING SITE FEATURES AND/OR STRUCTURES NOTED AS BEING REMOVED ON THE CONSTRUCTION DOCUMENTS AND DISPOSE OF OFF-SITE.
7. ROUGH GRADE SITE.
8. EXCAVATE AND INSTALL EX-FILTRATION SYSTEMS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
9. INSTALL DRAINAGE WORK TRIBUTARY TO EX-FILTRATION SYSTEMS FROM PROPOSED WORK.
10. EXCAVATE AND CONSTRUCT FOUNDATIONS FOR BUILDING & POOL.
11. CONSTRUCT BUILDING, POOL & PATIOS.
12. FINE GRADE AND SEED ALL DISTURBED AREAS. CLEAN DRAIN LINES. CLEAN EX-FILTRATION SYSTEMS. ENSURE GRASS STAND IS ACHIEVED.
13. INSTALL 4"-6" TOPSOIL, FINE GRADE, SEED THE ENTIRE PROJECT SITE AND INSTALL LANDSCAPE PLANTINGS. SPREAD SALT HAY OVER SEED AREAS.
14. 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.

LEGEND

PROPERTY LINE	---
PROPOSED BELGIAN BLOCK CURB	=====
PROPOSED ASPHALT DRIVEWAY	=====
PROPOSED PATIO	=====
PROPOSED CONCRETE MECHANICAL PAD	=====
PROPOSED PERVIOUS PAVEMENT WALKWAY	=====
PROPOSED GRAVEL WALKWAY	=====
PROPOSED STONE MASONRY WALL	=====
PROPOSED CONTOUR	=====
PROPOSED SPOT GRADE	=====
PROPOSED STORM PIPE	=====
PROPOSED DRAIN INLET	=====
PROPOSED FENCE	=====
PROPOSED TRENCH DRAIN	=====
PROPOSED WATER SERVICE	=====
PROPOSED SANITARY SEWER SERVICE	=====
TEMPORARY INLET PROTECTION	=====
TEMPORARY SILT FENCE	=====
TEMPORARY CONSTRUCTION FENCE	=====
TEMPORARY SOIL STOCKPILE AREA	=====
STABILIZED CONSTRUCTION ENTRANCE	=====
TEST PIT LOCATION	=====
PROPOSED LIMIT OF DISTURBANCE	-----

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 887.
3. 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.
4. ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
5. 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.
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, TECHNIQUES, 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 CONTRACT 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 AGREES TO BE RESPONSIBLE FOR OBTAINING ALL SUCH PERMITS 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 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 AFFILIATES. PROVIDE PROTECTION TO ALL EXISTING UTILITIES 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.
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 INSURANCE 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 - 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.

CUT/FILL ANALYSIS

CUT: 660 CY
FILL: 115 CY
NET: 545 (CUT)

TEST HOLE DATA:

TEST HOLE #1
DEPTH - 98"
0-12" TOPSOIL
12-42" BROWN COMPACT SANDY CLAY
42-98" MEDIUM FINE SANDY LOAM
WITH ROCKS
GROUNDWATER @ 92"
NO LEDGE ROCK
PERC. = 72" INCHES/HOUR

TEST HOLE #2
DEPTH - 99"
0-12" TOPSOIL
12-42" BROWN COMPACT SANDY CLAY
42-99" MEDIUM FINE MIXED SANDS
GROUNDWATER @ 96"
NO LEDGE
PERC. = 10.0" INCHES/HOUR

TEST HOLE #3
DEPTH - 72"
0-16" ORGANIC SOIL
16-72" DARK BROWN FINE SANDY SILT
GROUNDWATER @ 48"
NO LEDGE

PROJECT INFORMATION:
PROPERTY OWNER & APPLICANT:
MICHAEL MARFIONE
41 CEDAR STREET APT 3
DOBBS FERRY, NY 10522

SURVEYOR:
TC MERRITTS LAND SURVEYORS
384 BEDFORD ROAD
PLEASANTVILLE, NY 10570

ENGINEER:
HUDSON ENGINEERING & CONSULTING
45 KNOLLWOOD ROAD - SUITE 201
ELMSFORD, NY 10523

ARCHITECT:
EVANS ARCHITECTS
470 CHAMBERLAIN AVENUE
PATTERSON, NJ 07622

LANDSCAPE ARCHITECT:
ASPECT 120 LANDSCAPE ARCHITECTURE
90 NORTH BROADWAY SUITE 223
IRVINGTON, NY 10533



Date: 06/10/21 Sheet: 3
Scale: 1" = 10'
Designed By: T.K.
Checked By: M.S.
Sheet No. 5

C-3

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.

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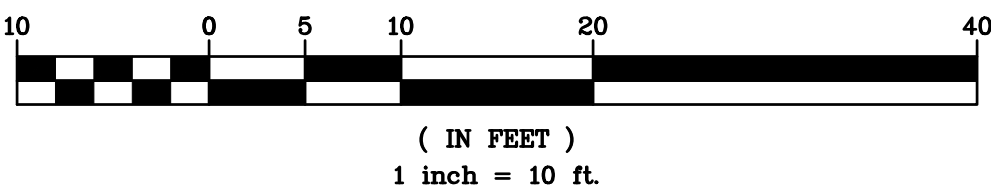
POOL NOTES:

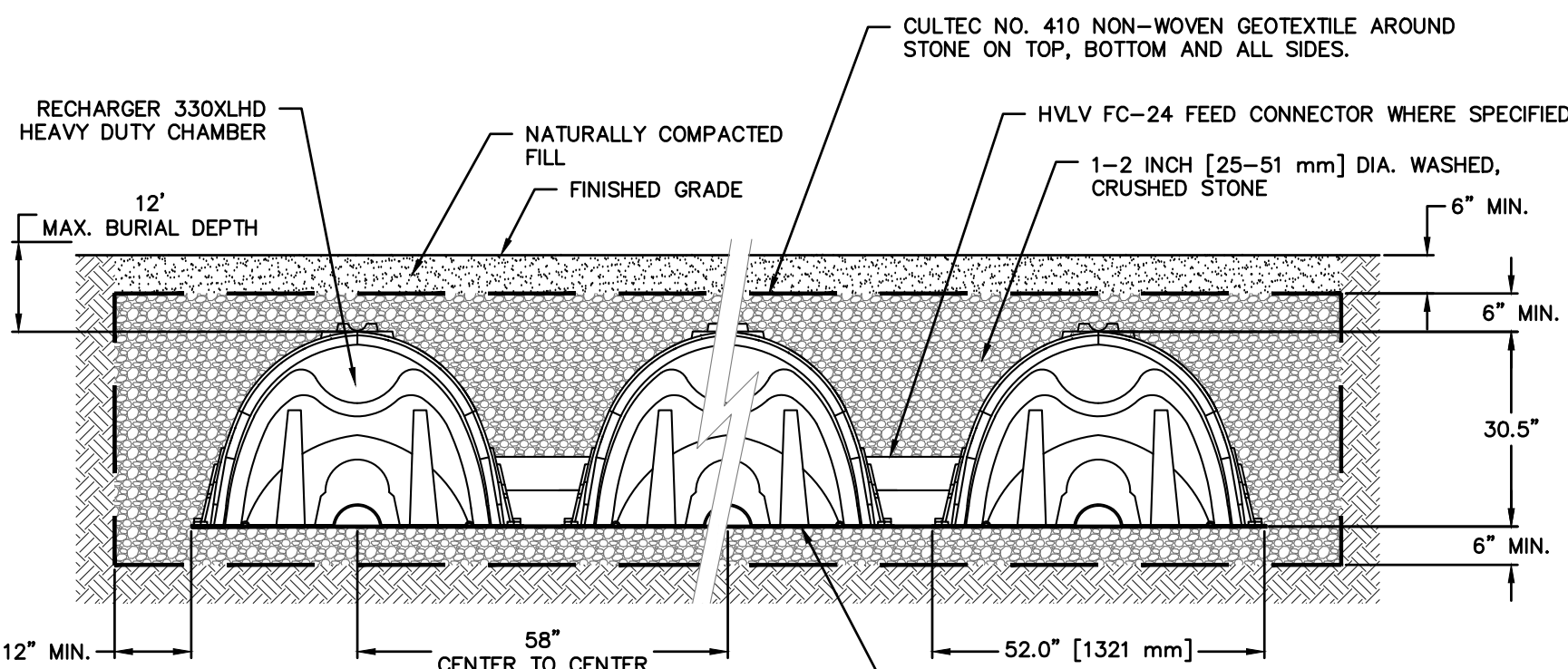
1. POOL DRAINAGE/DRAWDOWN TO BE DIRECTED FROM POOL EQUIPMENT INTO CULTEC CHAMBERS.
2. NO CHEMICALS CAN BE ADDED TO THE POOL FOR MINIMUM OF TEN DAYS PRIOR TO THE POOL DRAWDOWN.
3. POOL DRAWDOWN MUST BE DONE DURING A DRY PERIOD OR WHEN RAIN IS NOT FORECAST.
4. POOL DRAWDOWN SHALL NOT EXCEED 8-INCHES. IF ADDITIONAL DRAWDOWN IS REQUIRED FOR POOL MAINTENANCE, DRAWDOWNS MUST OCCUR AT 3 DAY (MIN.) INTERVALS OR WATER SHALL BE PUMPED AND TRUCKED OFF-SITE BY A QUALIFIED/LICENSED PROFESSIONAL.

Pool Drawdown	
Pool Area	450 Square Feet
Drawdown Depth	0.66 Feet
Total Storage Required	297 Cubic Feet
Total Storage Provided	1457 Cubic Feet

EXISTING INFORMATION SHOWN HEREON
PROVIDED BY TC MERRITTS LAND
SURVEYORS DATED JUNE 2, 2021

GRAPHIC SCALE

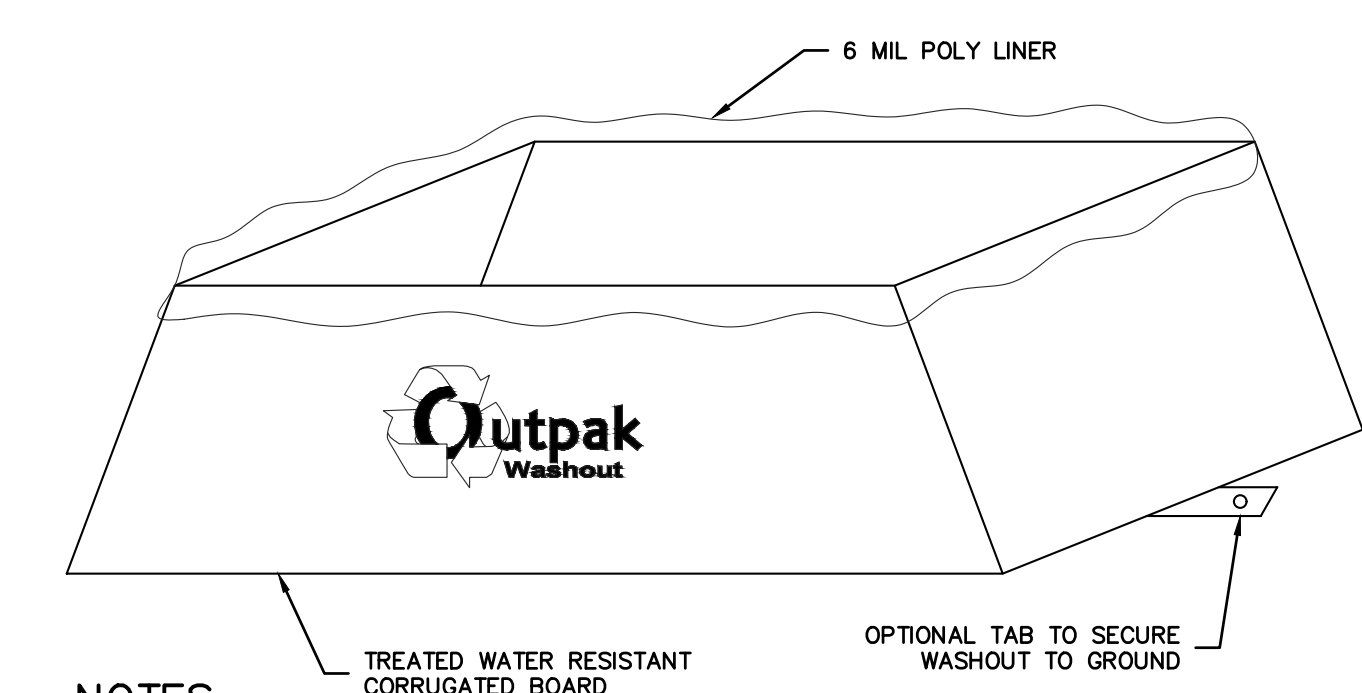




GENERAL NOTES
RECHARGER 330XL HD BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 11.32 CF/FT [1.05 m³/m] PER DESIGN UNIT.
REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED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

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

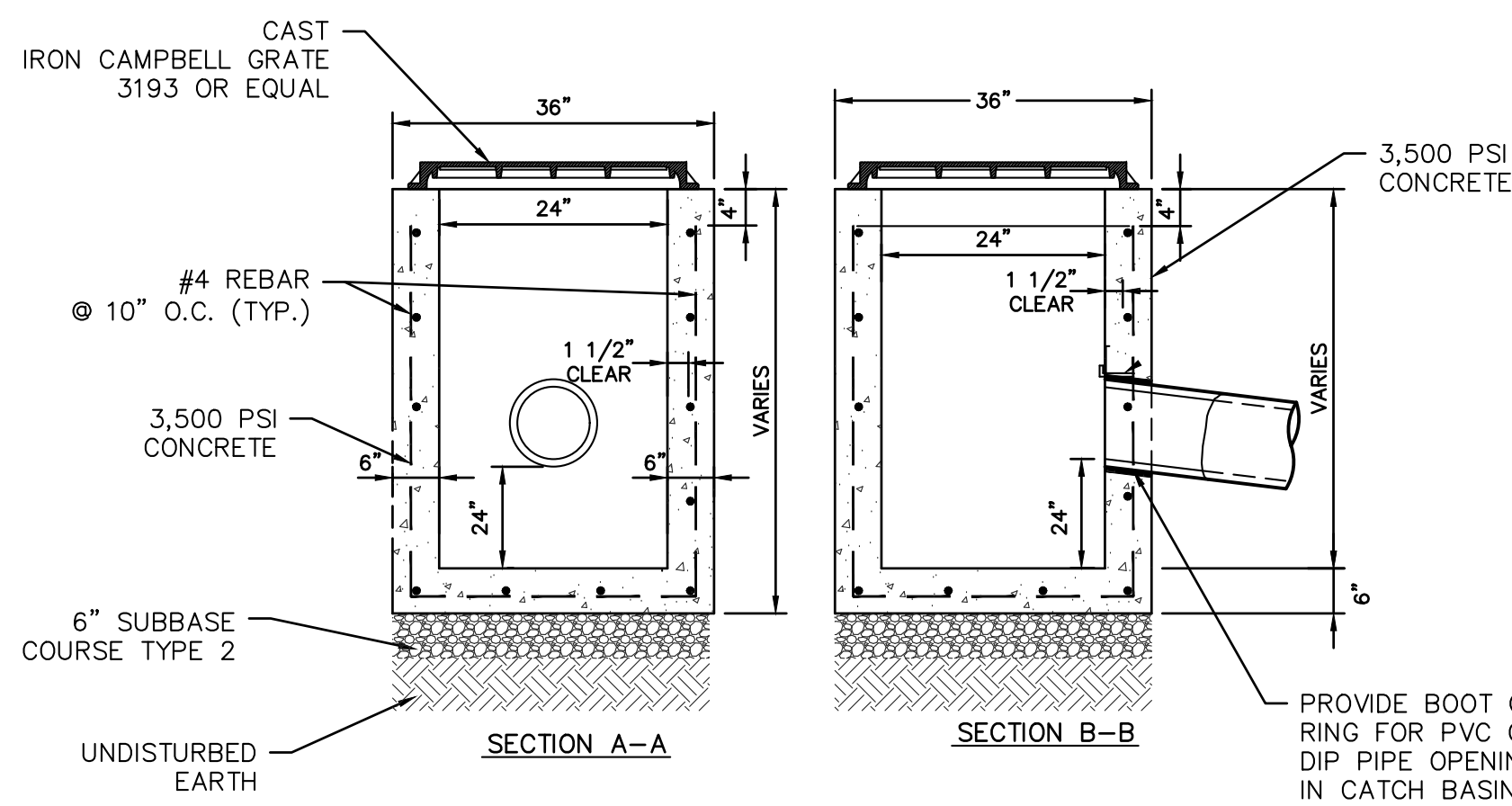
CULTEC RECHARGER 330XLHD



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.

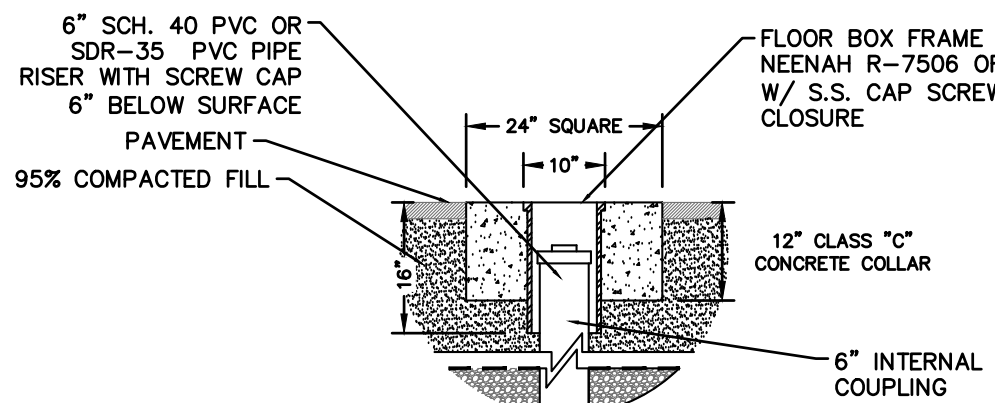
CORRUGATED CONCRETE WASHOUT



24\"/>

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

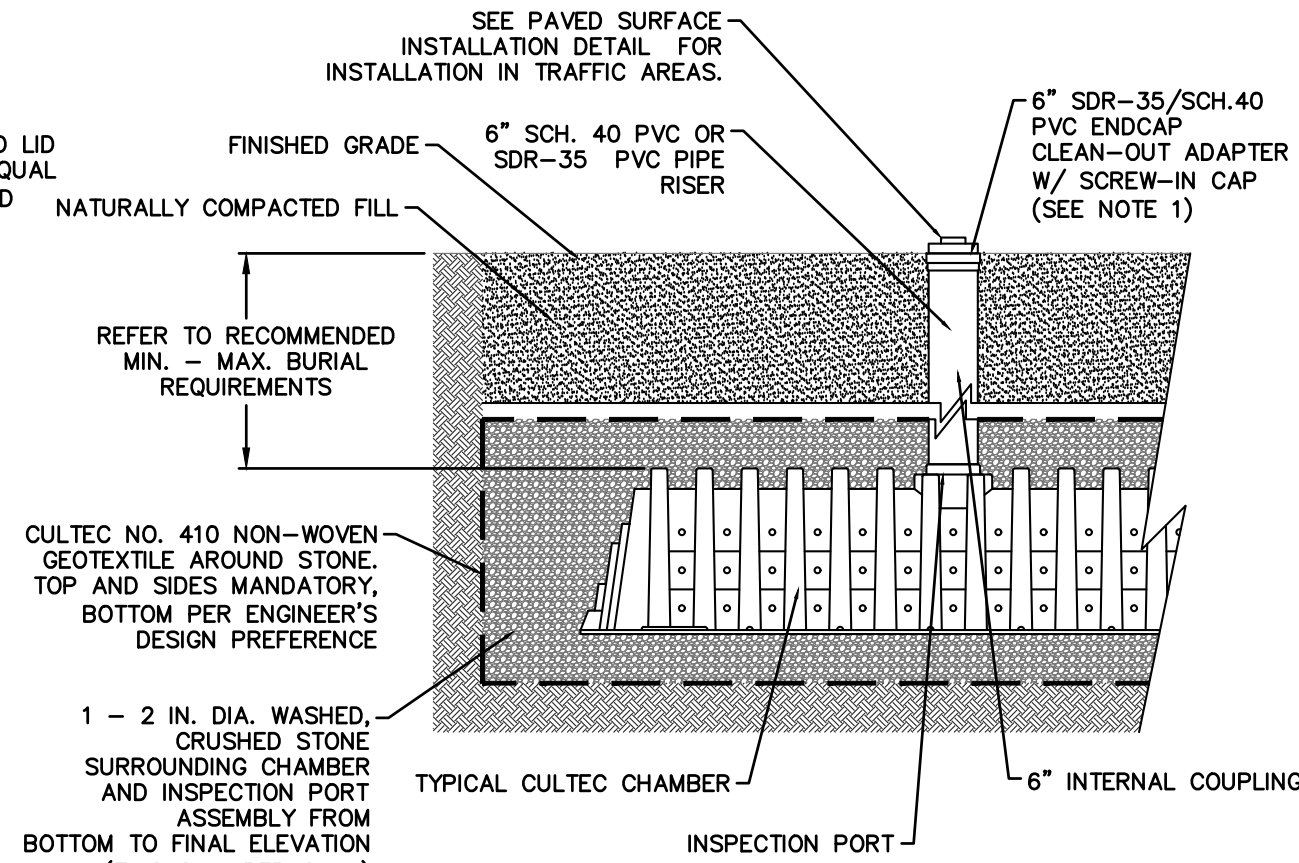
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PAVED SURFACE INSTALLATION DETAIL

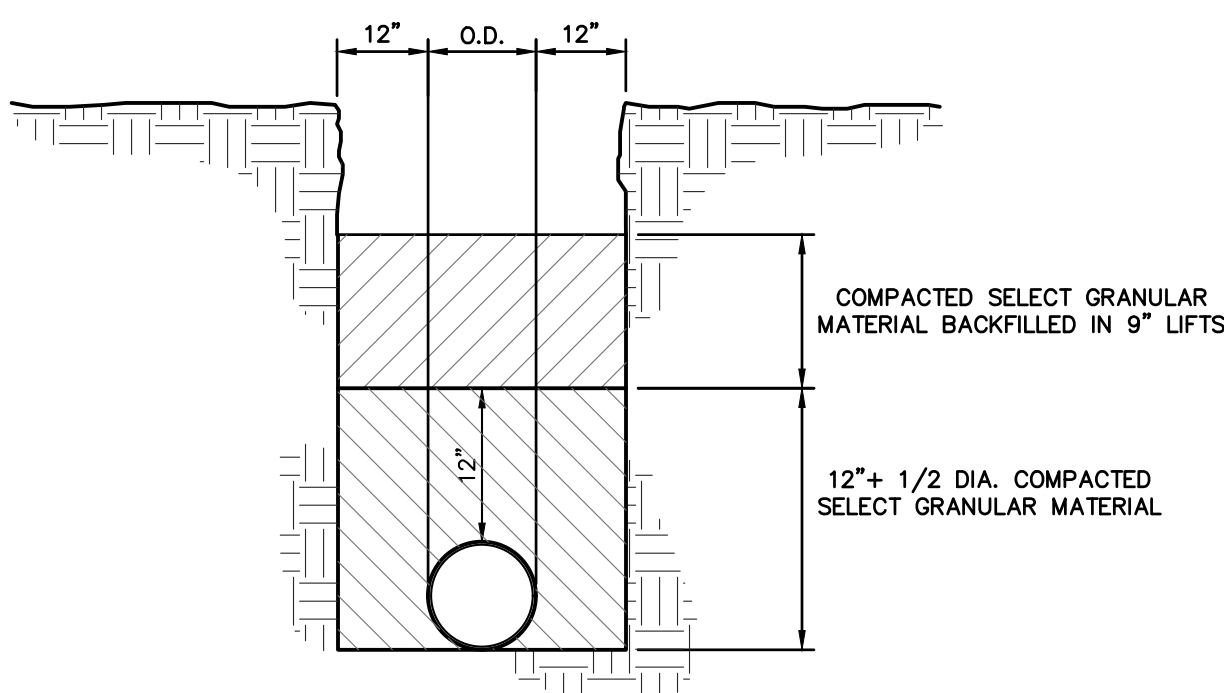
NOTES:

1. WHEN ACCESS PORT IS UTILIZED AS SYSTEM OVERFLOW, INSTALL NDS MODEL 50 GRATE. GRATE TO BE SET 1/2\"/>
2. INSPECTION PORT NOT TO SERVE AS OVERFLOW WHEN INSTALLED IN PAVED/TRAFFIC AREAS.

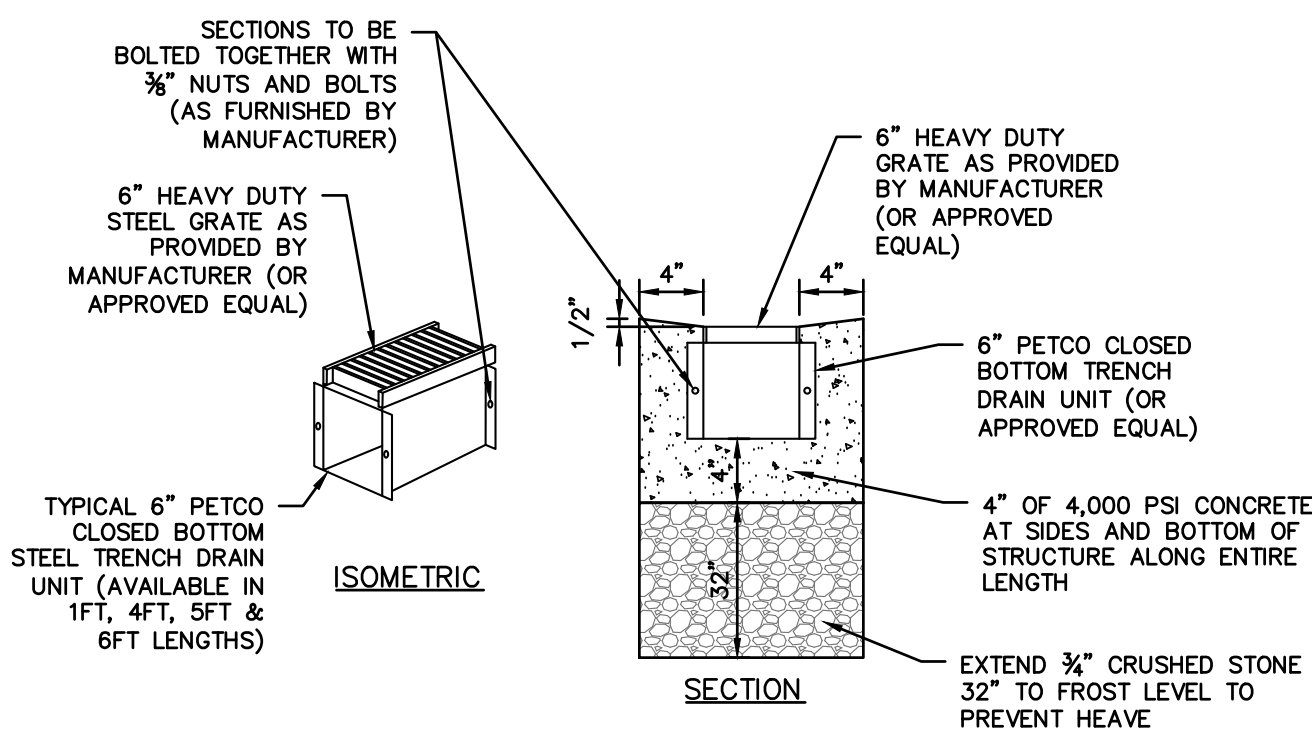


INSTALLATION DETAIL

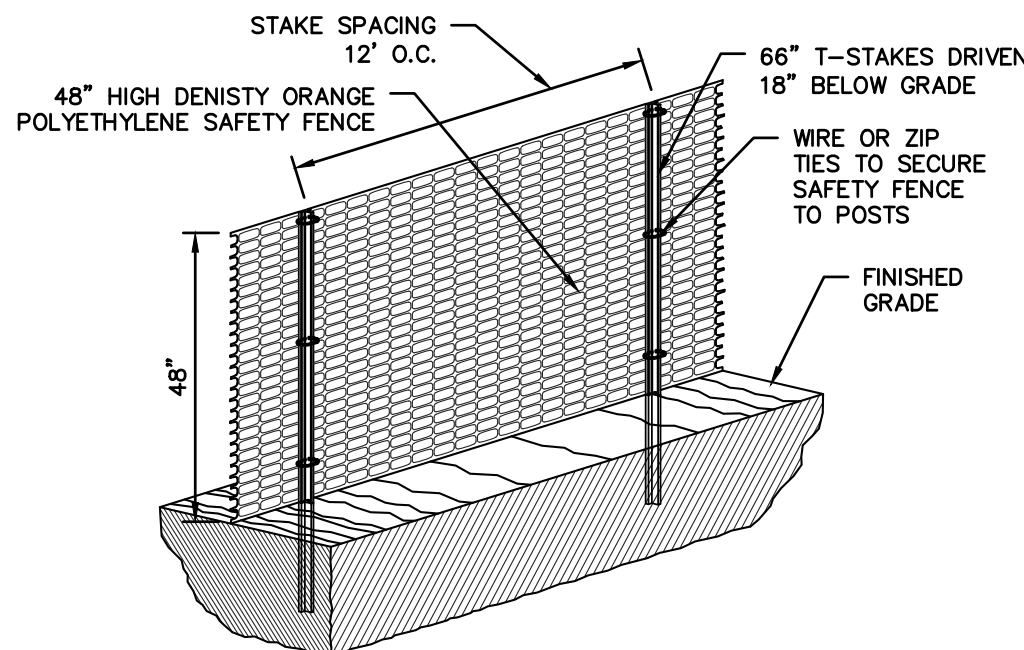
CULTEC INSPECTION PORT



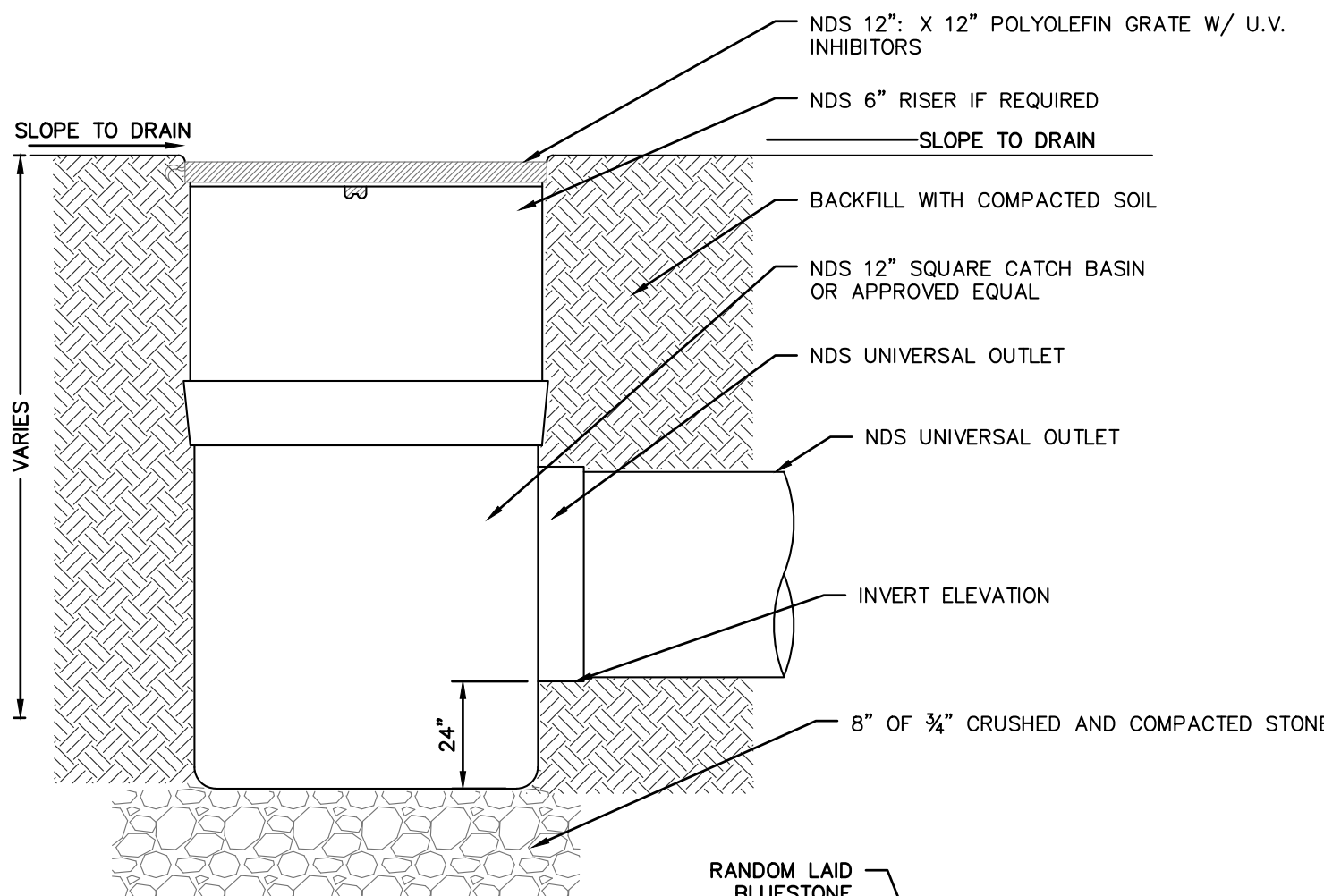
TRENCH BEDDING



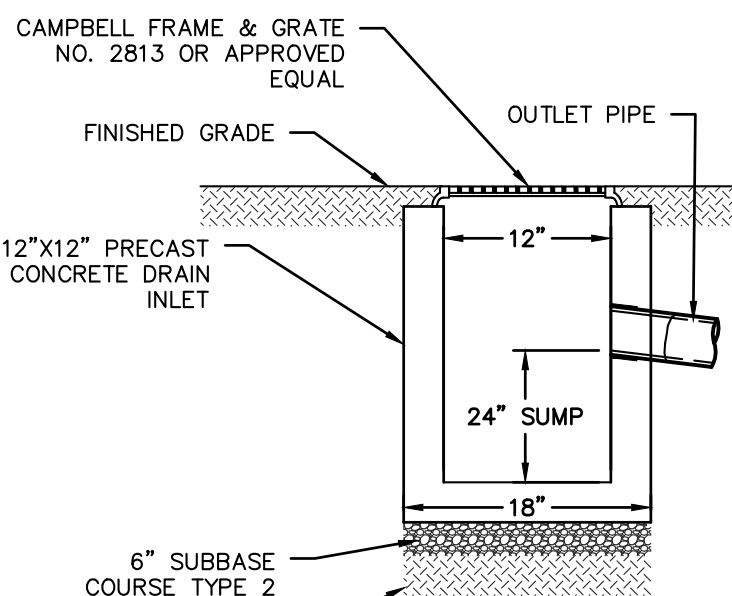
STEEL TRENCH DRAIN



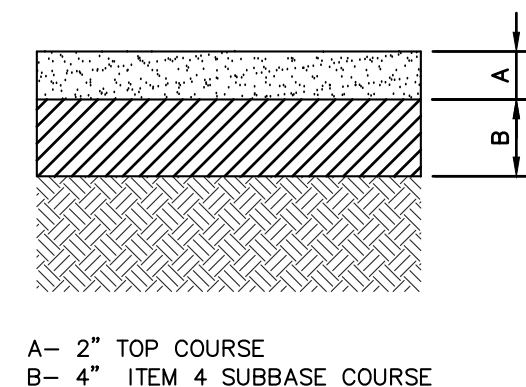
CONSTRUCTION FENCE



NDS SQUARE CATCH BASIN

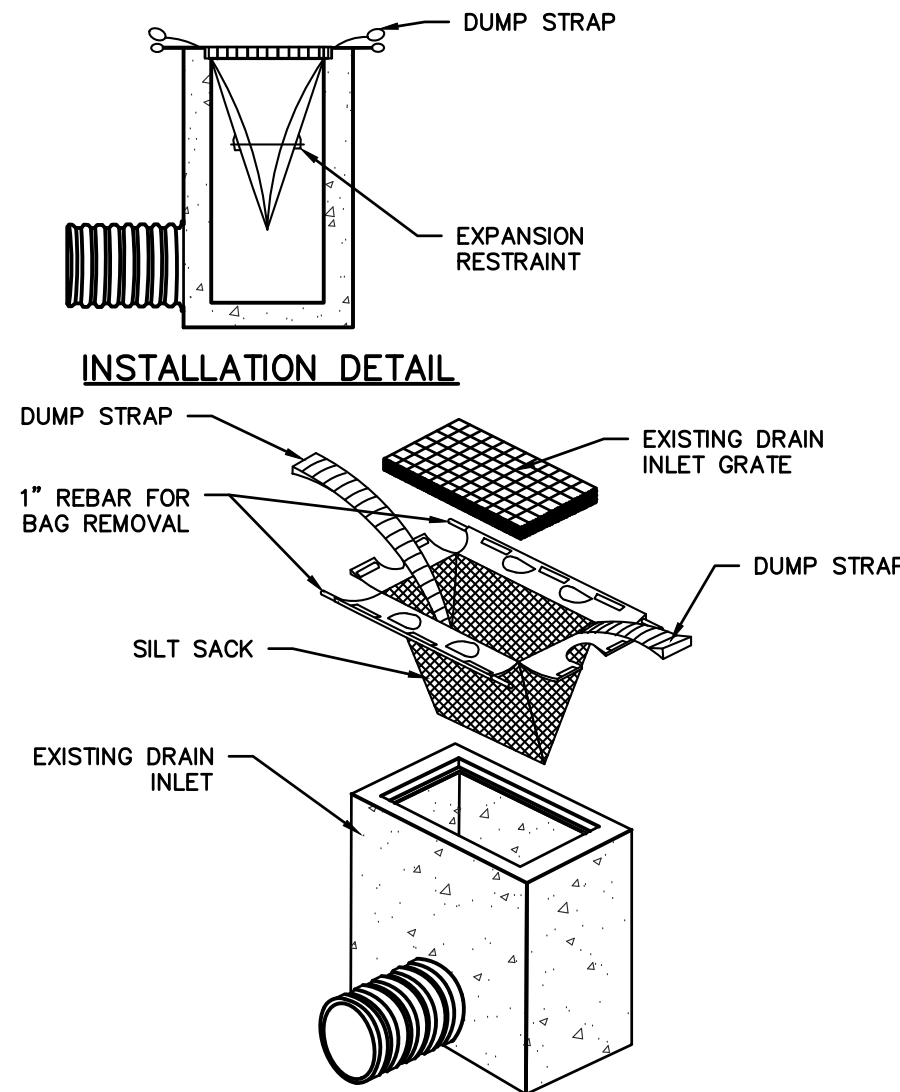


SUMP BOX



DRIVEWAY PAVEMENT SECTION

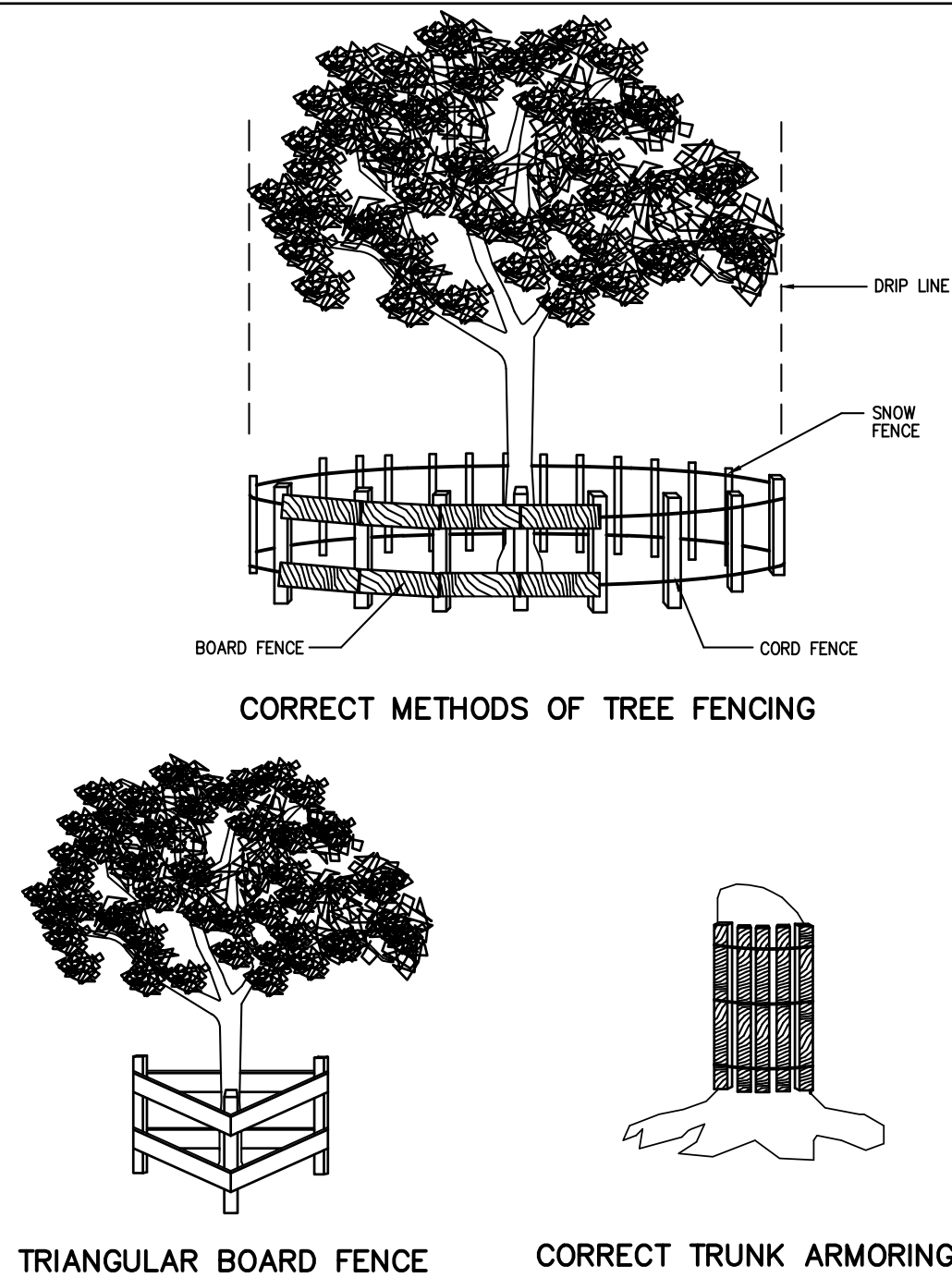
Siltsack Inlet Protection



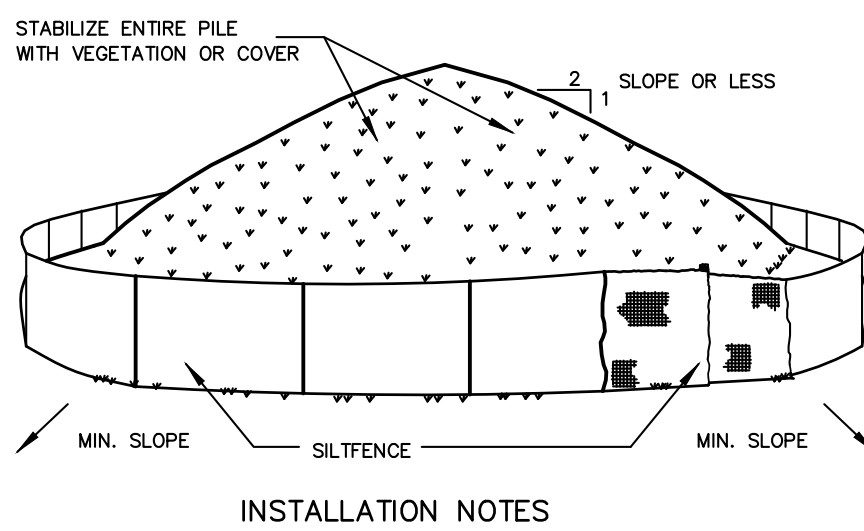
NOTE:

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

FENCING AND ARMORING



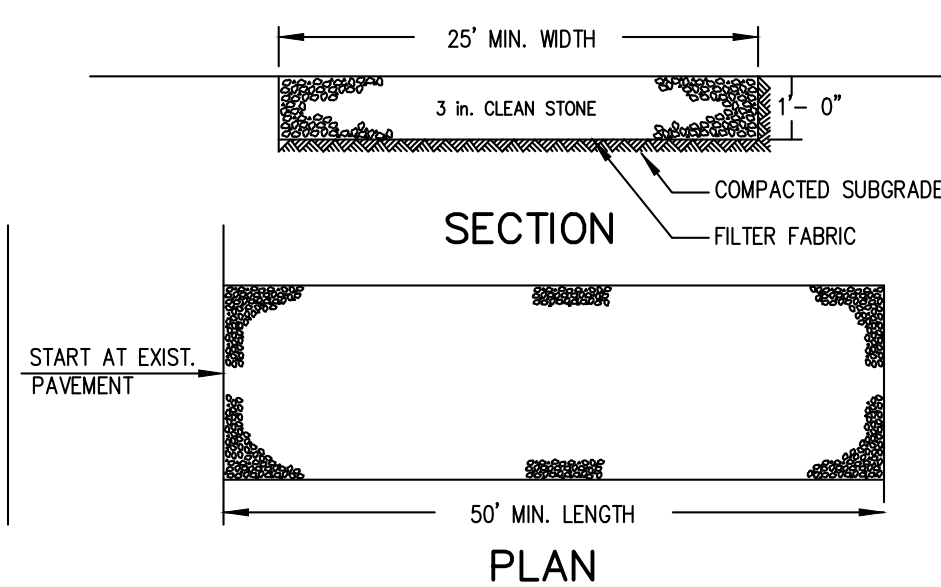
SOIL STOCKPILING



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 PORTION 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.

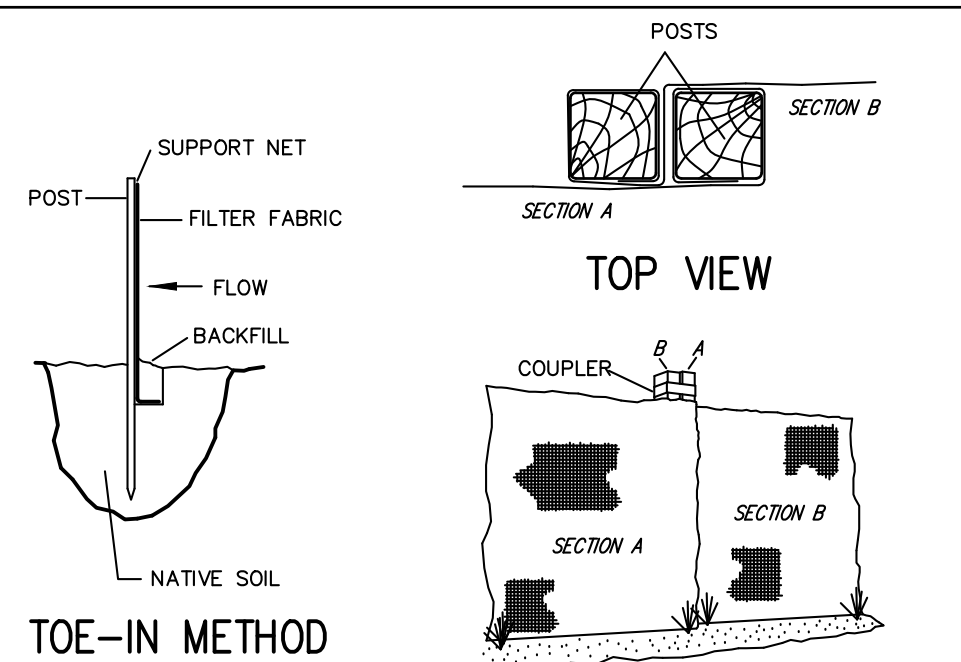
STABILIZED CONSTRUCTION ENTRANCE



INSTALLATION NOTES:

1. STONE SIZE - USE 3\"/>
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

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. 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.

PROJECT INFORMATION:

PROPERTY OWNER & APPLICANT:
MICHAEL MARFIONE
41 CEDAR STREET APT 3
DOBBS FERRY, NY 10522

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ARCHITECT:
EVANS ARCHITECTS
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PATERSON, NJ 07522

LANDSCAPE ARCHITECT:
ASPECT 120 LANDSCAPE ARCHITECTURE
90 NORTH BROADWAY SUITE 223
IRVINGTON, NY 10533

PROJECT:

PROPOSED DWELLING
253 JUDSON AVENUE
VILLAGE OF DOBBS FERRY
WESTCHESTER COUNTY - NEW YORK

DETAILS

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&
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45 Knollwood Road, Suite 201
Elmsford, New York 10523

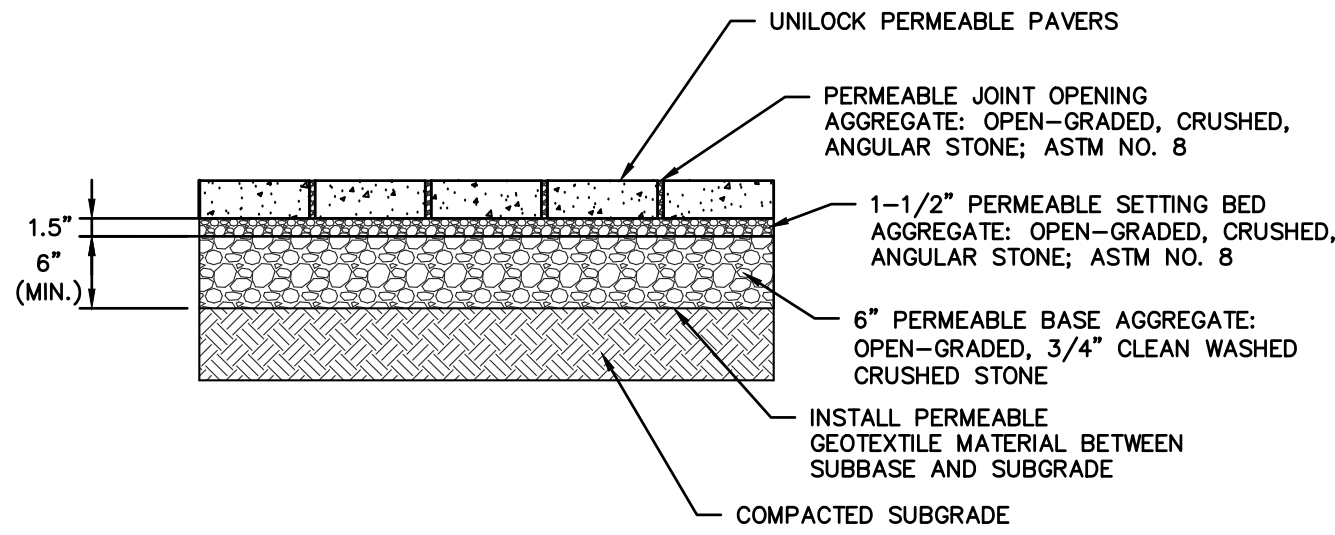
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C-4



PERMEABLE PAVERS WALKWAY

PERMEABLE SURFACE NOTES:

- STONE FOR INFILTRATION BEDS SHALL BE 3/4 INCH UNIFORMLY GRADED COARSE AGGREGATE WITH A WASH LOSS OF NO MORE THAN 0.5% IN ACCORDANCE WITH PROJECT SPECIFICATIONS, VOID SPACE SHALL BE 40% AS MEASURED BY ASTM-C29.
- NONWOVEN GEOTEXTILE SHALL CONSIST OF NEEDLED NONWOVEN POLYPROPYLENE FIBERS AND MEET THE FOLLOWING PROPERTIES: 3. GRAD TENSILE STRENGTH (ASTM-D4632) >=120 LBS, MULLEN BURST STRENGTH (ASTM-D3786) >=225 LBS, FLOW RATE (ASTM-D4491) >=95 GALLONS/MINUTE/SQUARE FOOT UV RESISTANCE AFTER 500 HRS (ASTM-D4355) >=70% HEAT-SET OR HEAT-CALENDARED FABRICS ARE NOT PERMITTED. GEOTEXTILE FABRIC SHALL BE MIRAFI 140 N OR APPROVED EQUAL.
- SURFACE SLOPE SHALL BE BETWEEN 1% (MINIMUM) AND 5% (MAXIMUM).
- PERMEABLE PAVERS SHALL NOT BE INSTALLED ON WET SURFACES OR WHEN THE AMBIENT AIR TEMPERATURE IS 50 DEGREES FAHRENHEIT OR LOWER.
- FILTER FABRIC AND STONE SHOULD BE KEPT CLEAN OF SOIL/SEDIMENT DURING THE INSTALLATION PROCESS. IF INSPECTION INDICATES THAT SOIL SEDIMENT HAS ENTERED ANY OF THE INFILTRATION SEEPAGE BEDS, APPROPRIATE MEASURES (I.E. CLEANING THE SOIL/SEDIMENT FROM THE FABRIC, STONE, ETC. AND OR REPLACEMENT OF THE FABRIC AND STONE) SHOULD BE ADDRESSED.
- ALL STONE FOR THE CONSTRUCTION OF THE PERMEABLE PAVERS SHOULD BE UNIFORMLY GRADED AND CLEAN WASHED AGGREGATE.
- GEOTEXTILE AND BED AGGREGATE FOR PERVIOUS PAVERS SHOULD BE PLACED IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION. ADJACENT STRIPS OF GEOTEXTILE SHOULD OVERLAP A MINIMUM OF 16 INCHES, AND SHOULD BE SECURED AT LEAST 4 FEET OUTSIDE OF BED TO PREVENT ANY RUNOFF OR SEDIMENT FROM ENTERING THE STORAGE BED. THIS EDGE STRIP SHOULD REMAIN IN PLACE UNTIL ALL BARE SOILS OR DISTURBED AREAS CONTIGUOUS TO THE BED ARE STABILIZED. AS THE SITE IS FULLY STABILIZED, EXCESS GEOTEXTILE ALONG BED EDGES CAN BE CUT BACK TO THE BED EDGE.
- PLANTED AREAS ADJACENT TO THE PERVIOUS PAVERS SHOULD BE MAINTAINED AND INSPECTED ON A SEMIANNUAL BASIS.

PERMEABLE PAVER MAINTENANCE PROCEDURES

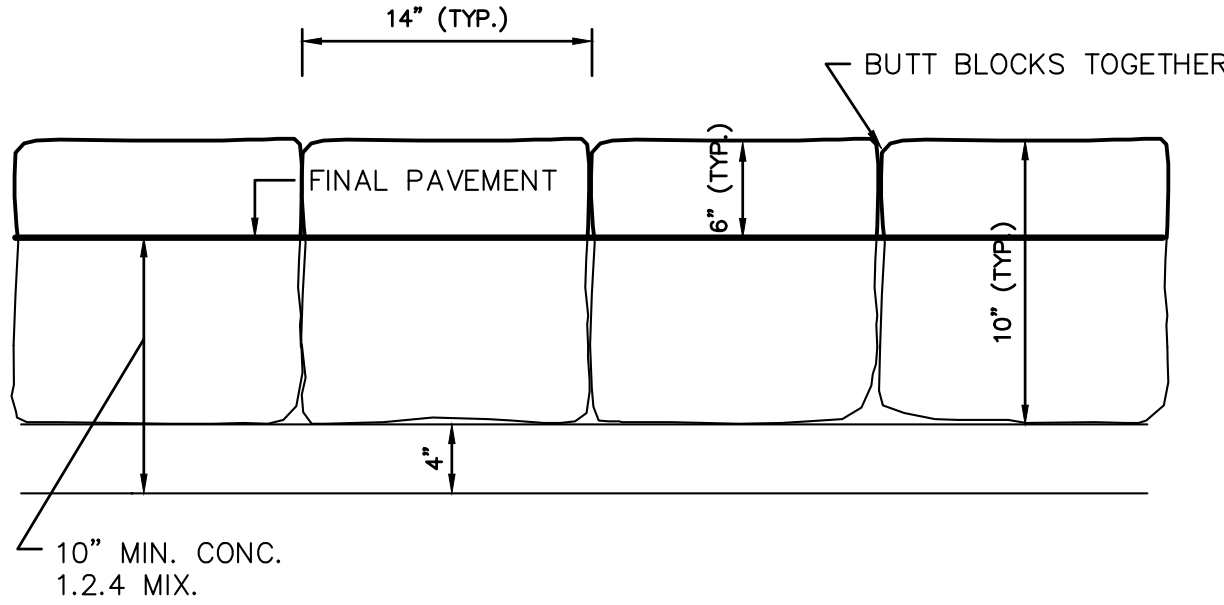
GENERAL MAINTENANCE PROCEDURES:

PERMEABLE PAVER AREA SHOULD BE SWEEP/BLOWN CLEAN AS PART OF GENERAL LAWN/YARD MAINTENANCE SCHEDULE. AREA SHOULD REMAIN FREE OF CONTAMINANTS SUCH AS GRASS/HEDGE CLIPPINGS, MULCH, SOIL, ETC. TO ENSURE MAXIMUM PERMEABILITY.

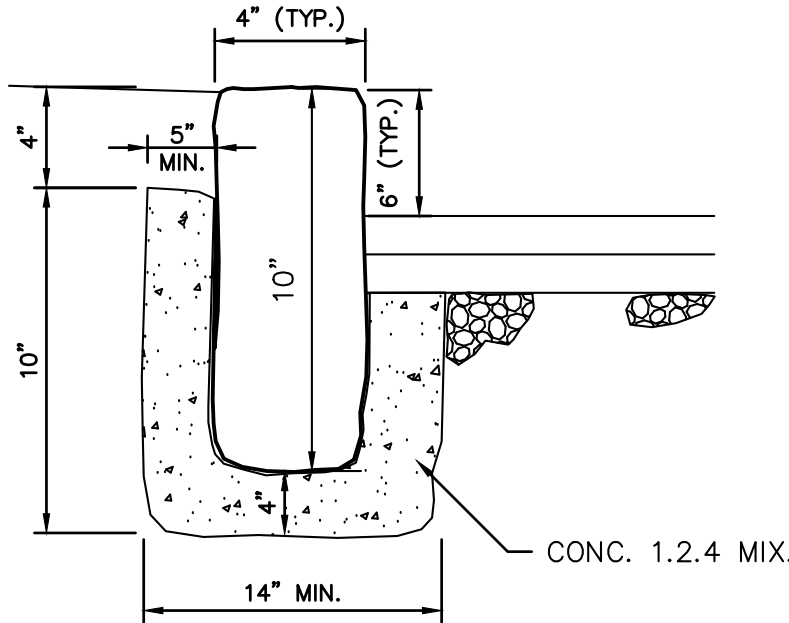
PERMEABLE PAVER AREA SHALL BE TWICE A YEAR (EARLY SPRING & LATE FALL) TO MAINTAIN MAXIMUM INFILTRATION. IF PONDING IS OBSERVED, THE AREA SHALL BE VACUUMED AND JOINT AGGREGATE REPLACED TO THE UP OF THE PAVER. PAVEMENT WASHING SYSTEMS OR COMPRESSED AIR UNITS ARE NOT RECOMMENDED FOR MAINTENANCE. IMMEDIATELY CLEAN ANY SOIL DEPOSITED ON THE SURFACE.

WINTER MAINTENANCE PROCEDURES:

ABRASIVES SUCH AS SAND OR CINDERS SHOULD NOT BE APPLIED ON OR ADJACENT TO THE PERVIOUS PAVERS. SNOW PLOWING IS ACCEPTABLE, PROVIDED IT IS DONE BY SETTING THE BLADE SLIGHTLY HIGHER THAN USUAL (APPROXIMATELY 1 INCH). SALT IS ACCEPTABLE FOR USE AS A DEICER ON THE PERVIOUS SURFACE, THOUGH NONTOXIC, ORGANIC DEICERS APPLIED EITHER AS BLENDED MAGNESIUM CHLORIDE BASED LIQUID PRODUCTS, OR AS PRETREATED SALT ARE PREFERABLE.

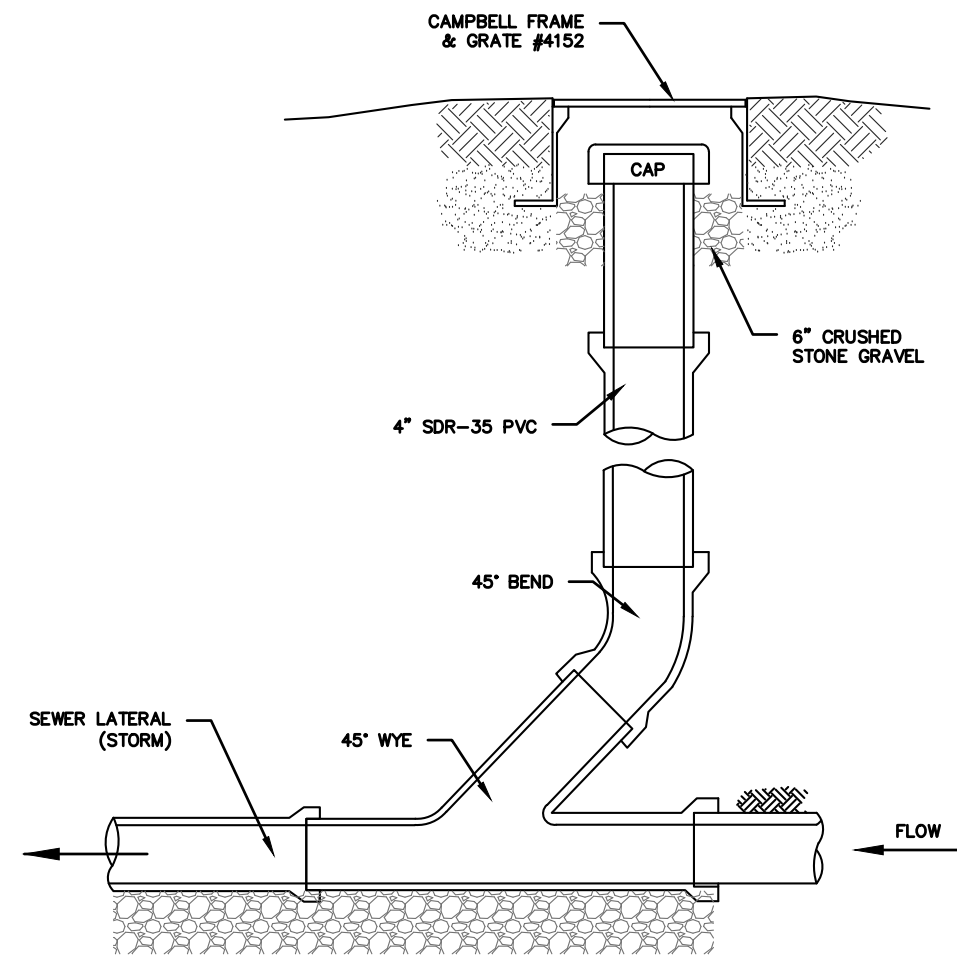


ELEVATION



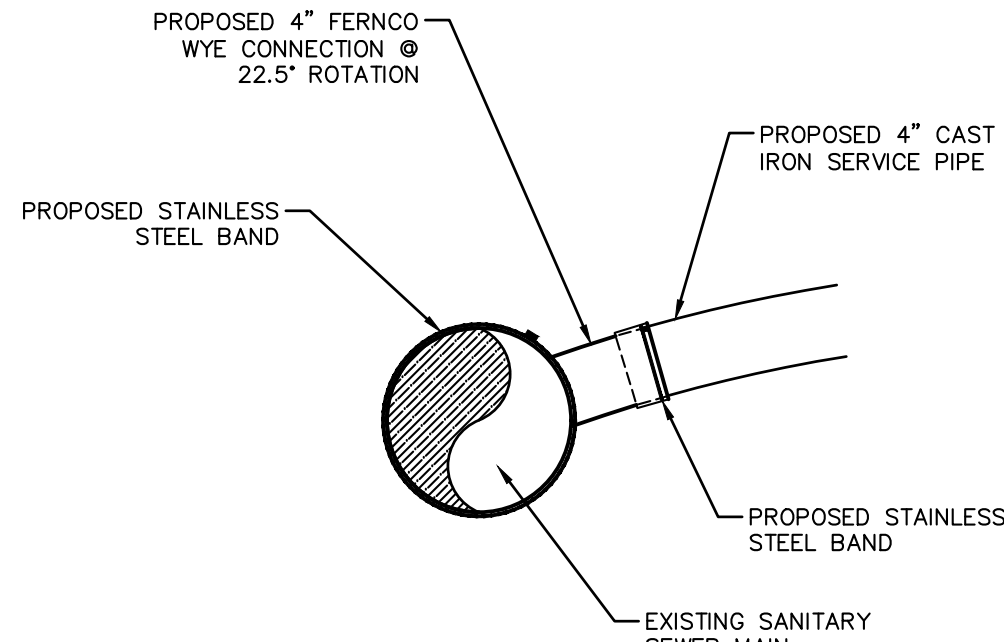
SECTION

BELGIUM BLOCK CURB DETAIL



- NOTES (STORM SEWER):
- 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.
 - CLEANOUTS SHALL BE PLACED BEFORE SIGNIFICANT PIPE BEND LOCATIONS (I.E. JUNCTIONS, 90-DEGREE BENDS, ETC.) UNLESS A ROOF LEADER DOWNSPOUT CONNECTION IS PROPOSED.

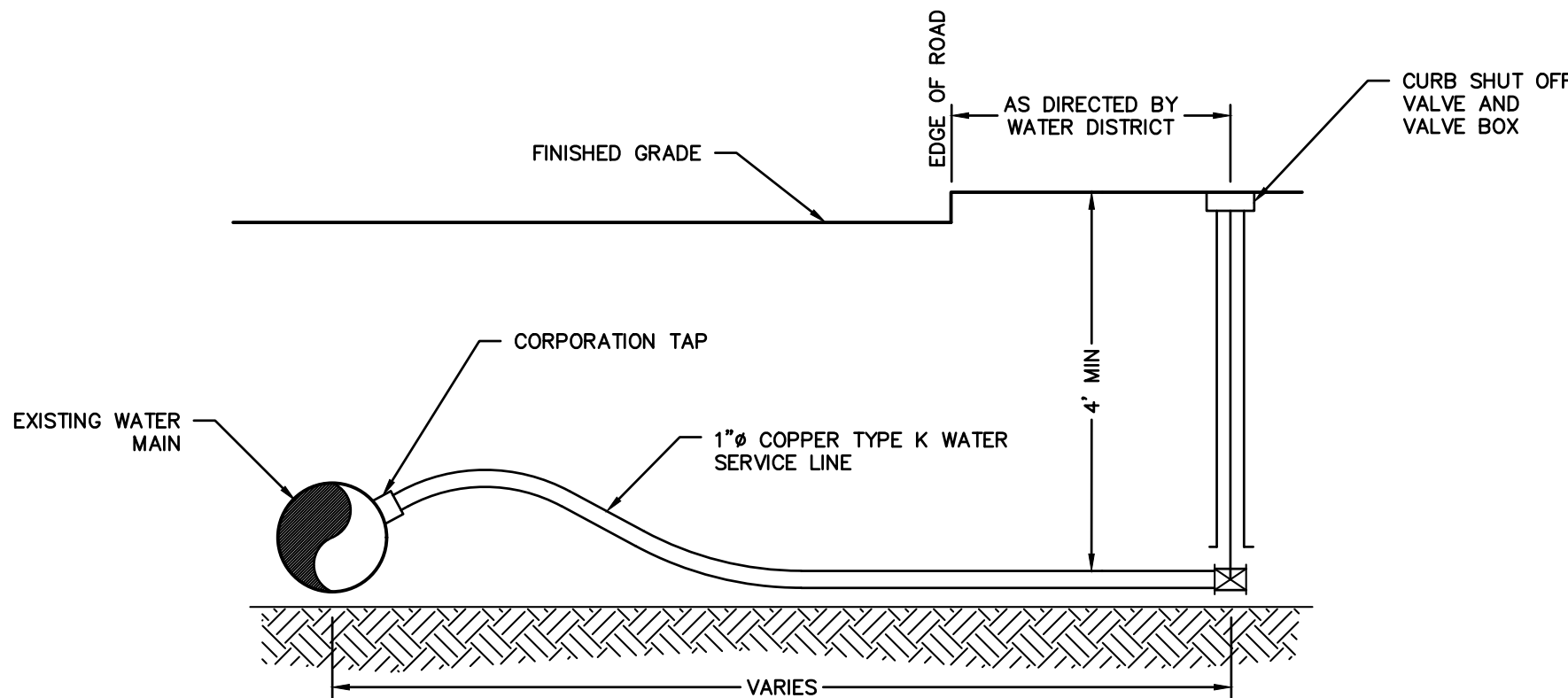
SEWER CLEANOUT DETAIL (GRAVITY)
(STORM)



SEWER SADDLE CONNECTION

NOTES:

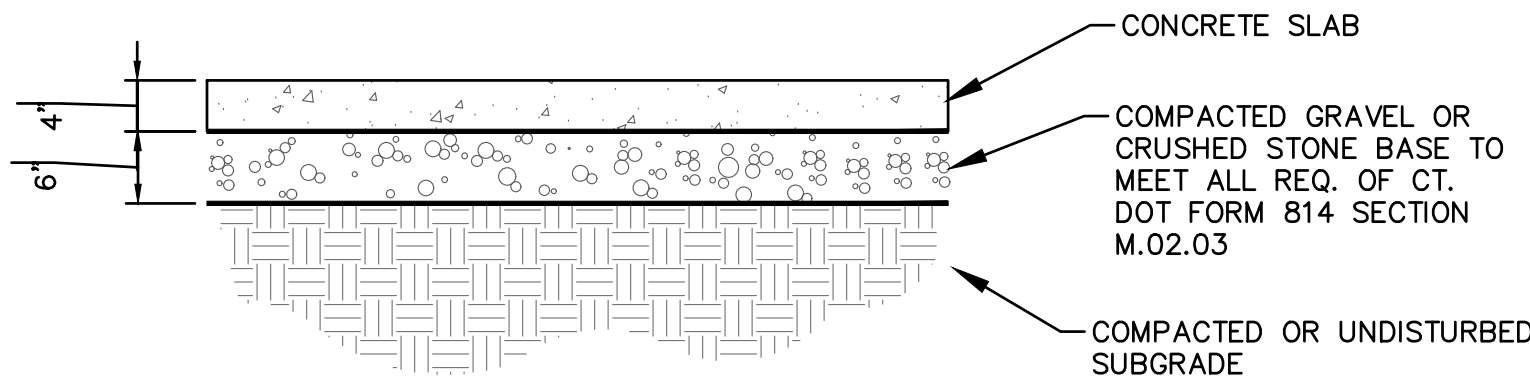
- ALL HARDWARE SHALL BE STAINLESS STEEL
- CONNECTION SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND INSTRUCTIONS.
- CONNECTION ANGLE SHALL BE BETWEEN 22.5° AND 45°.



NOTES:

- WATER DISTRICT TO FURNISH AND INSTALL CORPORATION TAP, SERVICE LINE, AND CURB SHUT OFF VALVE AND VALVE BOX.
- CONTRACTOR TO EXCAVATE, MAINTAIN, BACKFILL, AND RESTORE TRENCH FOR THE TAP, SERVICE LINE, AND CURB SHUT OFF VALVE.
- CONTRACTOR TO TAKE OUT PERMIT, PAY FEE, AND TO FOLLOW ALL RULES AND REGULATIONS OF THE LOCAL UTILITY AGENCY.

WATER SERVICE LATERAL



POOL EQUIPMENT PAD DETAIL

PROJECT INFORMATION:

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LANDSCAPE ARCHITECT:
ASPECT 120 LANDSCAPE ARCHITECTURE
90 NORTH BROADWAY SUITE 223
IRVINGTON, NY 10533

No.		Description		Date	
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE					
PROJECT: PROPOSED DWELLING 253 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 © 2021					
Date: 06/10/21 Sheet: 5 Scale: 1" = 10' Designed By: T.K. Checked By: M.S. Sheet No.					
C-5					