

PROPOSED RESIDENTIAL DEVELOPMENT

129-133 PROSPECT AVENUE

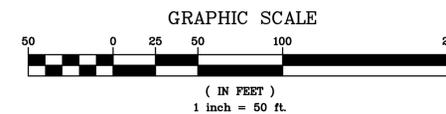
MAMARONECK, NY 10543

JUNE 15, 2022



INDEX OF DRAWINGS		
Prepared by Hudson Engineering & Consulting, P.C.		
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C-4	Details	6/15/2022

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.



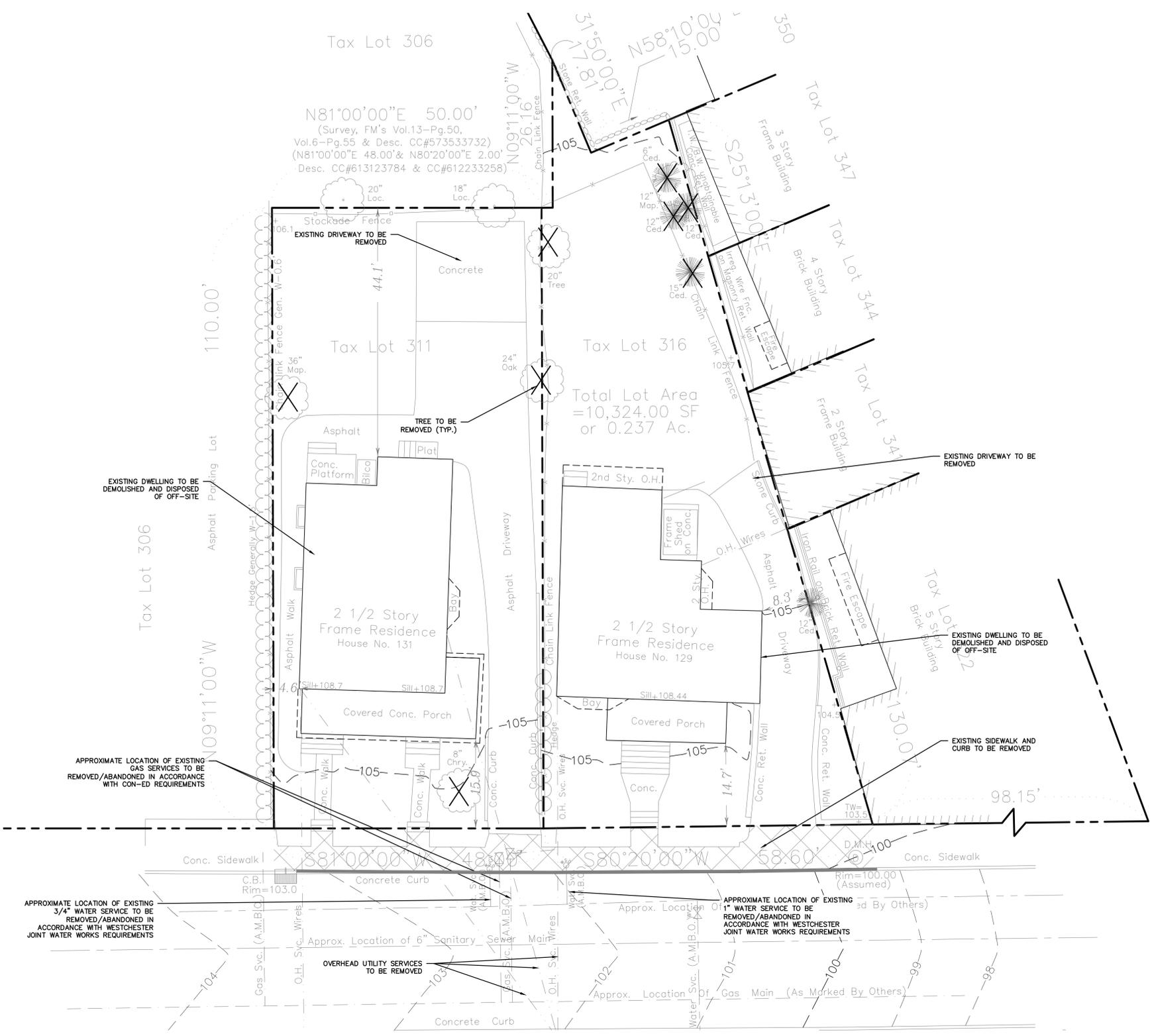
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE	PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT 129-133 PROSPECT AVENUE VILLAGE OF MAMARONECK WESTCHESTER COUNTY - NEW YORK	
	COVER SHEET	
	HUDSON ENGINEERING & CONSULTING, P.C. 45 Knollwood Road, Suite 201 Elmsford, New York 10523 T: 914-909-0420 F: 914-560-2086 © 2022	
	Date: 06/15/22 Sheet: 1 Scale: 1" = 50' 1 Designed By: T.K. Checked By: M.S. Sheet No. 5	

COVER



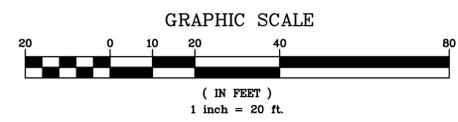
LEGEND

- PROPERTY LINE
- ASPHALT PAVEMENT TO BE REMOVED
- CURB TO BE REMOVED
- TREE TO BE REMOVED X



Total Lot Area
= 10,324.00 SF
or 0.237 Ac.

EXISTING INFORMATION SHOWN HEREON
PROVIDED BY RICHARD J DOMATO
DATED JANUARY 5, 2022



<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No.</th> <th style="width: 65%;">Description</th> <th style="width: 30%;">Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	Date				<p>PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT 129-133 PROSPECT AVENUE VILLAGE OF MAMARONECK WESTCHESTER COUNTY - NEW YORK</p> <p>EXISTING CONDITIONS/DEMOLITION PLAN</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p>HEC</p> </div> <div style="text-align: center;"> <p>HUDSON ENGINEERING & CONSULTING, P.C.</p> <p><small>45 Knollwood Road, Suite 201 Elmsford, New York 10523</small></p> <p><small>T: 914-909-0420 F: 914-560-2086</small></p> </div> <div style="text-align: center;"> <p><small>Date: 06/15/22 Sheet: Scale: 1" = 10' 2 Designed By: T.K. Checked By: M.S. Sheet No. 5</small></p> </div> </div>	<p>C-1</p>
No.	Description	Date						

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:

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 ACI, AISC, 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 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 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.
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 - 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.

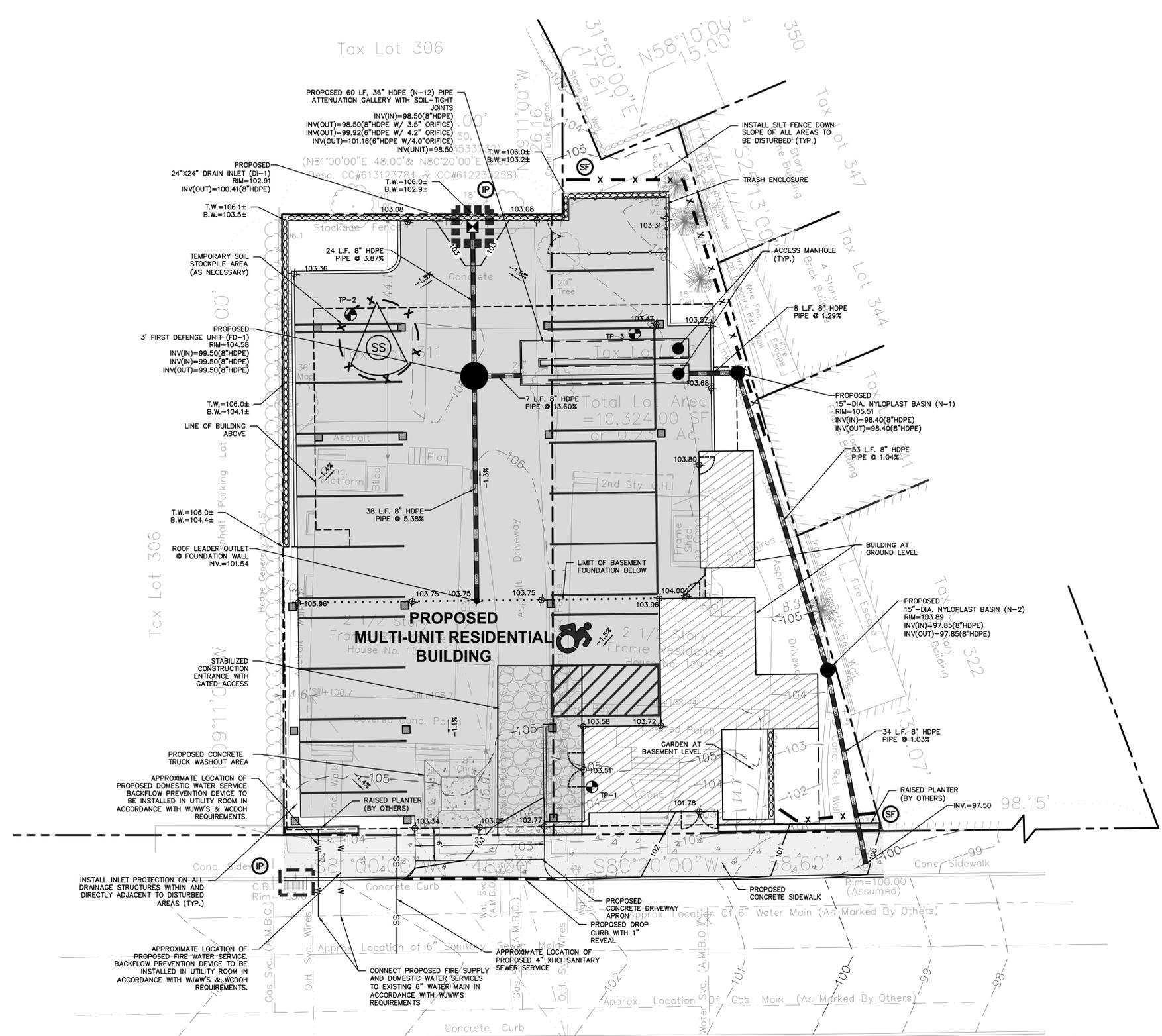
INSPECTION BY MUNICIPALITY - FINAL INSPECTION
ALL EROSION CONTROL MEASURES REMOVED AND GRASS ESTABLISHED. CALL FOR INSPECTION FROM THE APPROPRIATE MUNICIPAL AGENCY HAVING JURISDICTION AT LEAST 2 DAYS PRIOR TO FINISH.

CONSTRUCTION NOTES:

1. ALL RIGHT-OF-WAY IMPROVEMENTS TO BE COMPLETED IN ACCORDANCE WITH VILLAGE OF MAMARONECK STANDARDS.
2. ALL UTILITIES TO BE INSTALLED IN ACCORDANCE WITH UTILITY PROVIDERS REGULATIONS.
3. PROVIDE CONSTRUCTION FENCE AROUND THE PERIMETER OF THE PROPERTY. PROVIDE GATED ACCESS TO THE SITE.

LEGEND

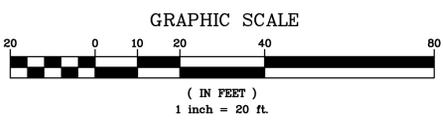
PROPERTY LINE	---
PROPOSED CONCRETE CURB	---
PROPOSED CONCRETE SIDEWALK	---
PROPOSED ASPHALT PAVEMENT	---
PROPOSED CONTOUR	-30-
PROPOSED SPOT GRADE	+10.20
PROPOSED STORM PIPE	---
PROPOSED DRAIN INLET	IP
TEMPORARY INLET PROTECTION	IP
TEMPORARY SILT FENCE	X-X-SF
TEMPORARY CONSTRUCTION FENCE	CF
STABILIZED CONSTRUCTION ENTRANCE	---
TEMPORARY SOIL STOCKPILE AREA	SS



TEST HOLE DATA:

- TEST HOLE #1**
DEPTH - 96"
0-12" TOPSOIL
12-96" SANDY SILT W/ LARGE ROCKS
NO GROUNDWATER
NO LEDGE ROCK
PERC. = 9 INCHES/HOUR
- TEST HOLE #2**
DEPTH - 68"
0-24" TOPSOIL
24-68" BROWN COMPACT SANDY LOAM
NO GROUNDWATER
LEDGE ROCK @ 68"
PERC. = 11 INCHES/HOUR
- TEST HOLE #3**
DEPTH - 57"
0-6" TOPSOIL
6-36" FILL W/ LARGE ROCKS
36-57" FINE SANDY LOAM
NO GROUNDWATER
LEDGE ROCK @ 57"
PERC. = 27 INCHES/HOUR

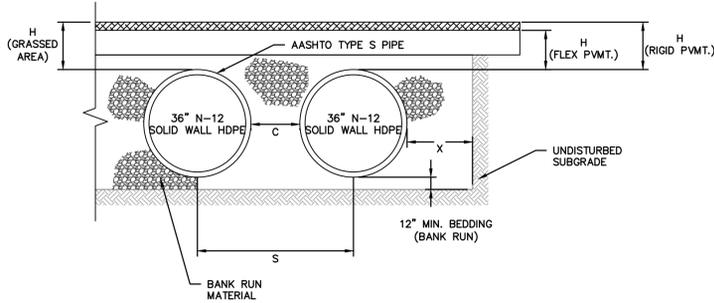
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CONTRACTOR SHALL CONTACT DESIGN ENGINEER TO SCHEDULE A SITE INSPECTION PRIOR TO BACKFILLING INFILTRATION/ATTENUATION SYSTEM(S). SHOULD THE CONTRACTOR BACKFILL PRIOR TO INSPECTION, THE CONTRACTOR SHALL EXPOSE THE SYSTEM AT THEIR OWN EXPENSE.

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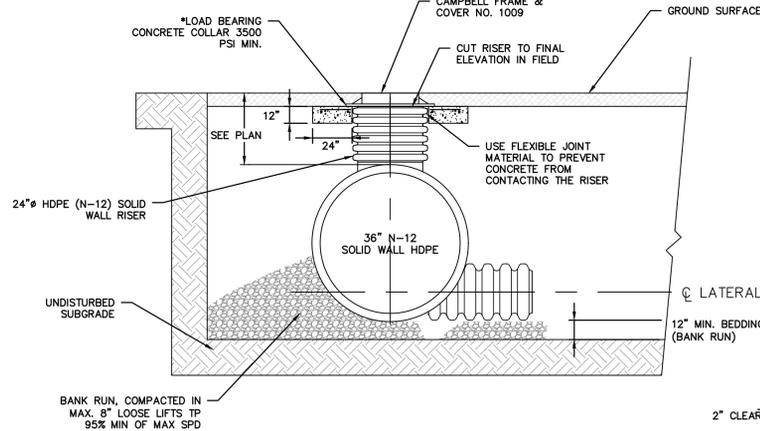
PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT 129-133 PROSPECT AVENUE VILLAGE OF MAMARONECK WESTCHESTER COUNTY - NEW YORK STORMWATER MANAGEMENT AND SEDIMENT & EROSION CONTROL PLAN		Date: 06/15/22 Sheet: 3
		Scale: 1" = 10' 3"
		Designed By: T.K.
		Checked By: M.S.
		Date: 06/15/22 Sheet: 3 Scale: 1" = 10' 3" Designed By: T.K. Checked By: M.S. Sheet No. 5
		C-2



NOMINAL DIAMETER	NOMINAL O.D.	TYPICAL SPACING "C"	TYPICAL SPACING "S"	TYPICAL SIDE WALL "X"	H (NON-TRAFFIC)	H (TRAFFIC)
12"	14.5"	11"	25.4"	8"	12"	12"
15"	18"	12"	28.9"	8"	12"	12"
18"	21"	17"	33.9"	9"	12"	12"
24"	28"	13"	40.7"	10"	12"	12"
30"	36"	18"	53.1"	18"	12"	12"
36"	42"	22"	63"	18"	12"	12"
42"	48"	24"	71.9"	18"	12"	24"
48"	54"	25"	78.5"	18"	12"	24"
60"	67"	24"	90"	18"	12"	24"

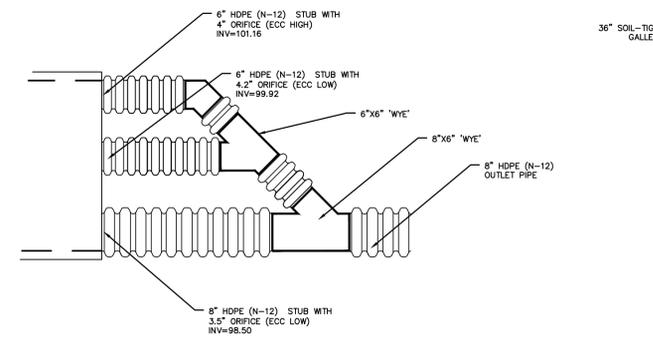
ATTENUATION GALLERY SECTION

- NOTES:
- THE ATTENUATION/EXFILTRATION GALLERY SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
 - MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.
 - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 - BEDDING: SUITABLE MATERIAL SHALL BE BANK RUN MATERIAL. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 12" MINIMUM.
 - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE BANK RUN MATERIAL IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - MINIMUM COVER: MINIMUM COVER OVER ALL ATTENUATION/EXFILTRATION GALLERIES IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 12" UP TO 36" DIAMETER PIPE AND 24" OF COVER FOR 42" - 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.
 - ALL PIPE STUBS, ORIFICE PLATES, FITTINGS, BENDS, TEES, ETC. SHALL BE MANUFACTURED AT THE FACTORY.



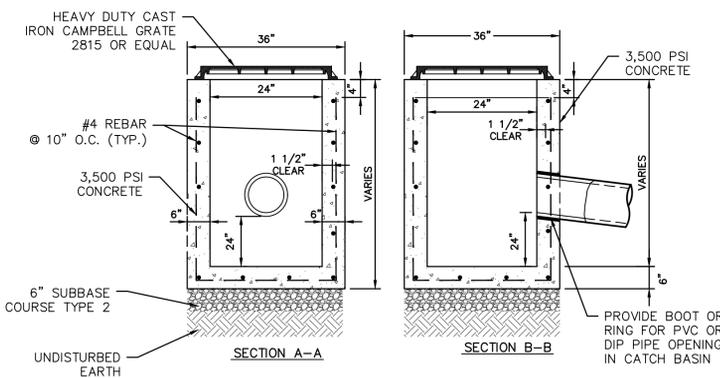
ACCESS MANHOLE STRUCTURE

* LOAD BEARING CONCRETE COLLAR SHALL BE CONSTRUCTED IN TRAFFIC AREAS SUCH THAT THE LIVE LOAD IS TRANSMITTED TO THE SURROUNDING SOIL AND NOT DIRECTLY TO THE RISER.



WELDED END PLATE DETAIL

- NOTES:
- END PLATE TO BE INSTALLED BY MANUFACTURER.
 - ALL ORIFICES SHALL BE DRILLED BY MANUFACTURER.

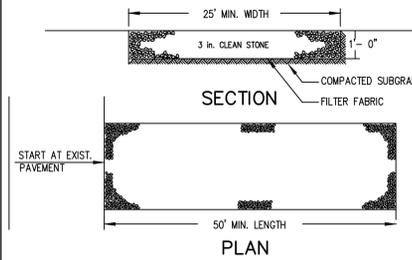


PRECAST DRAIN INLET

- 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

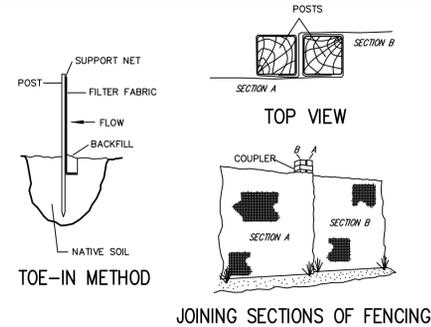
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Stabilized Construction Entrance



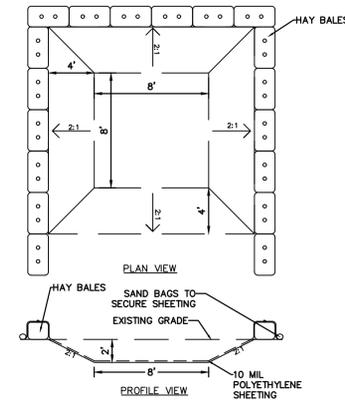
- INSTALLATION NOTES:
- STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
 - THICKNESS - NOT LESS THAN SIX (6) INCHES.
 - WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
 - FILTER FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER FABRIC WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
 - 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.
 - 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.
 - 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.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

Silt Fence



INSTALLATION NOTES:

- EXCAVATE A 4 INCH x 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
- 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).
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
- 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.
- JOIN SECTIONS AS SHOWN ABOVE.

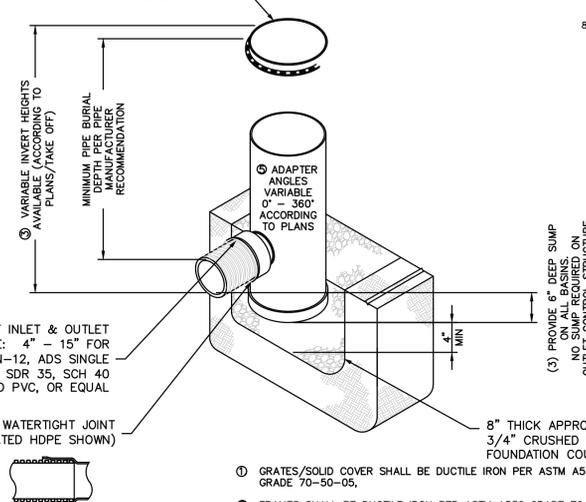


NOTES:

- CONCRETE WASHOUT AREA TO BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. CONCRETE WASHOUT AREA TO BE ENTIRELY SELF CONTAINED.
- HAY BALES SHALL BE PROVIDED AROUND THE PERIMETER OF CONCRETE WASHOUT AREA FOR CONTAINMENT.
- WASHOUT AREA SHALL BE LINED WITH PLASTIC SHEETING NO THINNER THAN 10 MILS. SHEETING SHALL HAVE NO HOLES OR TEARS AND SHALL BE ANCHORED BY SAND BAGS ON ALL SIDES EXCEPT ACCESS SIDE. PLASTIC LINING TO BE REPLACED WITH EACH CLEANING.
- SIGNS SHALL BE PROVIDED AT THE CONSTRUCTION ENTRANCE AND CONCRETE AREAS INDICATING LOCATION OF WASHOUT AREA.
- WASHOUT AREA TO BE ENCLOSED IN CONSTRUCTION FENCE.
- WASHOUT AREAS TO BE INSPECTED DAILY TO ENSURE LINER IS INTACT AND ADEQUATE CAPACITY IS AVAILABLE AT ALL TIMES. WASHOUT AREAS SHALL BE INSPECTED IMMEDIATELY AFTER HEAVY RAINS, DAMAGED OR LEAKING WASHOUT AREAS TO BE DEACTIVATED AND REPAIRED IMMEDIATELY.
- CONCRETE WASTE SHALL BE REMOVED AND DISPOSED OF ONCE IT REACHES THREE-QUARTERS OF THE WASHOUT AREA'S HEIGHT. ALL WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE LAWS, REGULATIONS, AND GUIDELINES OF MUNICIPALITY.
- PREFABRICATED CONCRETE WASHOUT CONTAINERS MAY BE UTILIZED ONLY WITH PRIOR APPROVAL FROM THE CITY'S ENGINEERING DEPARTMENT.

CONCRETE WASHOUT AREA

- (1) (2) PROVIDE INTEGRATED 15" DUCTILE IRON SOLID FRAME & COVER FOR OUTLET CONTROL STRUCTURE. PROVIDE 18" DUCTILE IRON STANDARD FRAME AND GRATE FOR 18" DRAIN INLET. ALL FRAMES AND COVERS/GRATES TO MATCH BASIN O.D.



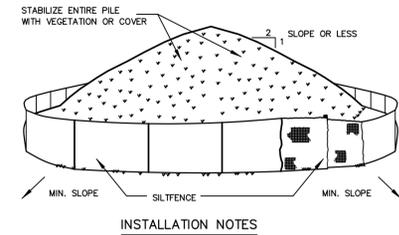
- VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 15" FOR CORRUGATED HDPE (ADS N-12, ADS SINGLE WALL, HANCOR DUAL WALL), SDR 35, SCH 40 DWV, CORRUGATED & RIBBED PVC, OR EQUAL

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1599CGP	7001-110-207
STANDARD	MEETS H-20	1599CSB	7001-110-208
SOLID COVER	MEETS H-20	1599CSD	7001-110-209
DOANE	N/A	1599CSD	7001-110-211
GROUP IN GRATE	LIGHT DUTY	1591G	7001-110-073

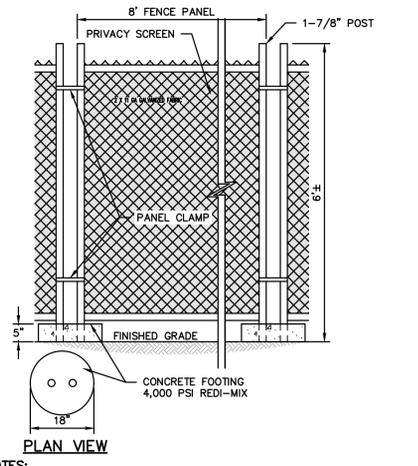
- NOTES:
- INSTALL BASIN IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - PRODUCT SHALL BE NYLOPLAST DRAIN BASIN MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS (ADS) OR APPROVED EQUAL.

15" NYLOPLAST BASIN

Soil Stockpiling



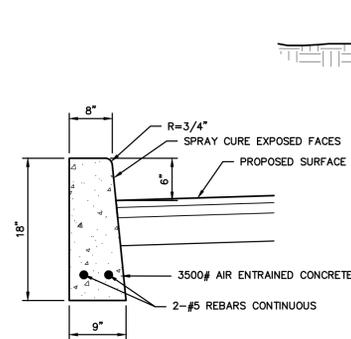
- INSTALLATION NOTES:
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 - SOILS OR FILL TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHOULD BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
 - MAXIMUM SLOPE OF STOCKPILE 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.



NOTES:

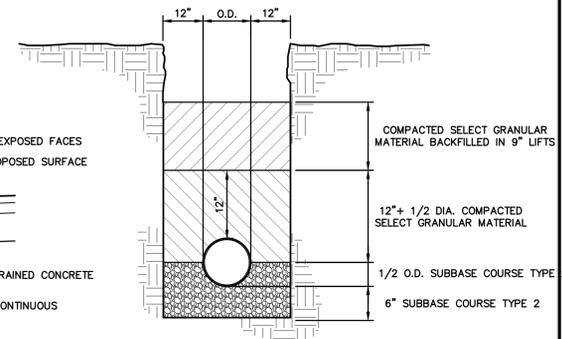
- CONTRACTOR SHALL PROVIDE PERIODIC INSPECTION AND MAINTENANCE OF FENCE INCLUDING REPAIRS AS NECESSARY AND REQUIRED.
- CONTRACTOR SHALL INSTALL GREEN PRIVACY SCREENING FABRIC OR APPROVED EQUAL AROUND THE PERIMETER OF THE TEMPORARY CONSTRUCTION FENCING.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SAMPLES OF THE PRIVACY SCREENING TO THE ENGINEER FOR REVIEW AND APPROVAL.
- NO PORTION OF THE FENCE SHALL EXCEED 6-FEET IN HEIGHT

TEMPORARY CHAIN LINK CONSTRUCTION FENCE



CONCRETE CURB

- NOTE: EXPANSION JOINTS TO BE INSTALLED EVERY 10 FEET.
- GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065
 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-013.



TRENCH BEDDING

PROJECT:
**PROPOSED RESIDENTIAL DEVELOPMENT
 129-133 PROSPECT AVENUE
 VILLAGE OF MAMARONECK
 WESTCHESTER COUNTY - NEW YORK**

DETAILS

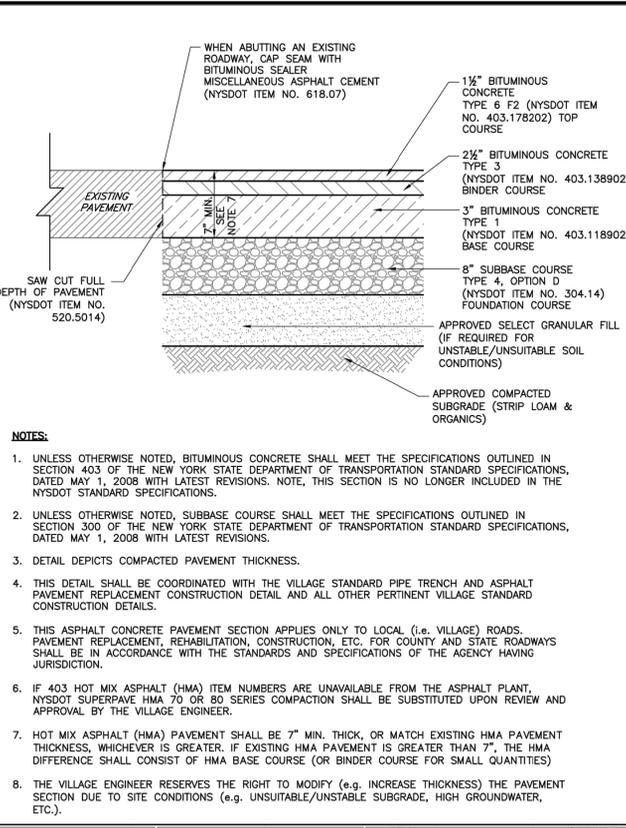
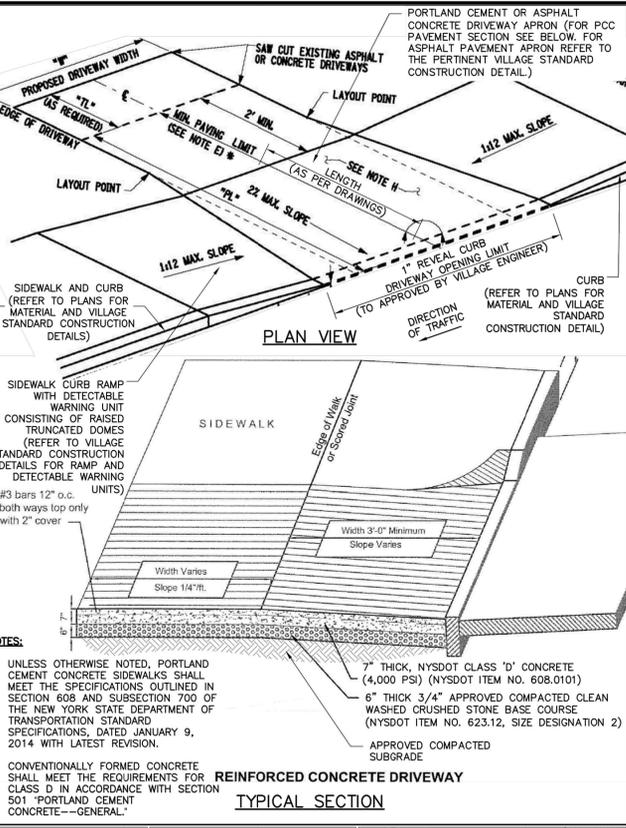
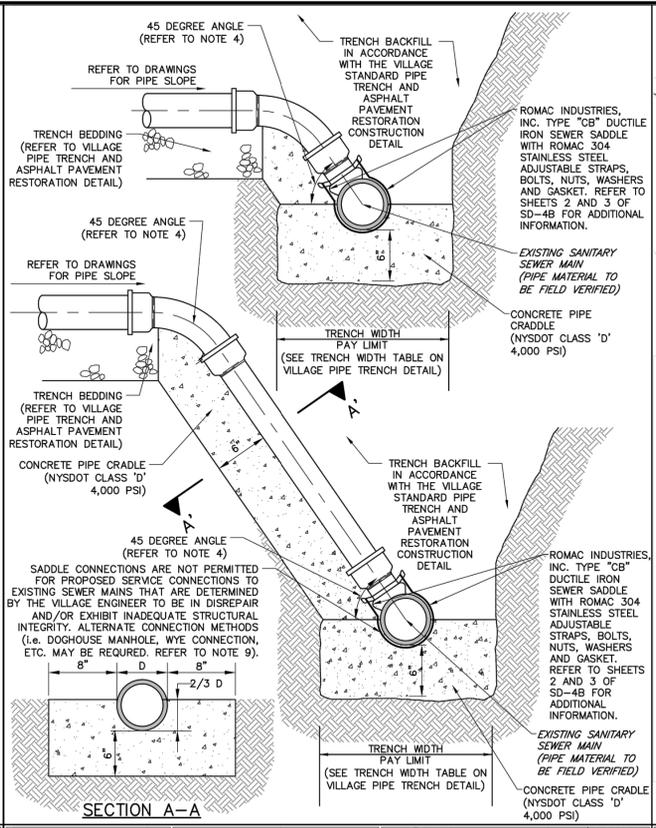
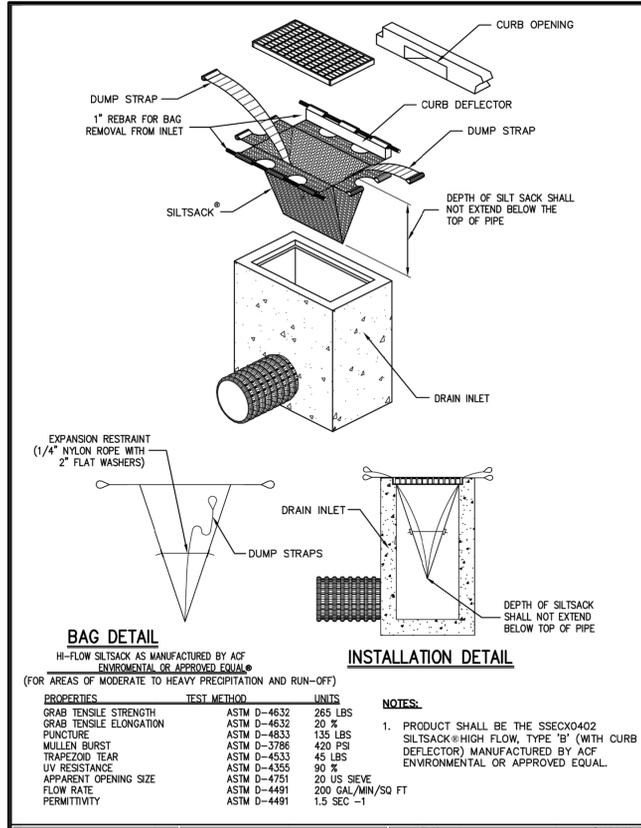
HUDSON ENGINEERING & CONSULTING, P.C.
 45 Knollwood Road - Suite 201
 Elmford, New York 10523
 T: 914-909-0420
 F: 914-560-2086
 © 2022



Date: 06/15/22 Sheet:
 Scale: 1" = 10' 4
 Designed By: T.K.
 Checked By: M.S.
 Sheet No. 5



C-3



VILLAGE OF MAMARONECK PROJECT DETAILS: SCALE: 1" = 10'-0" DATE: 03/23/2019
169 MT. PLEASANT AVENUE (3RD FLOOR) VILLAGE OF MAMARONECK, NY 10543
WESTCHESTER COUNTY
PHONE: (914) 777-7731 FAX: (914) 777-7792

CURB INLET PROTECTION (WITHIN RIGHT-OF-WAY AND/OR EXISTING PAVEMENT)
DESIGNED BY: ARS, PE CHECKED BY: ARS, PE
DRAWN BY: ARS, PE VILL. SD-1E

VILLAGE OF MAMARONECK PROJECT DETAILS: SCALE: 1" = 10'-0" DATE: 03/23/2019
169 MT. PLEASANT AVENUE (3RD FLOOR) VILLAGE OF MAMARONECK, NY 10543
WESTCHESTER COUNTY
PHONE: (914) 777-7731 FAX: (914) 777-7792

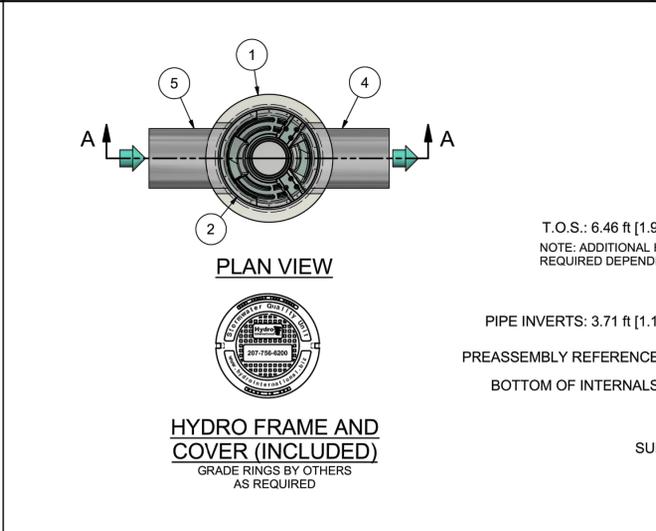
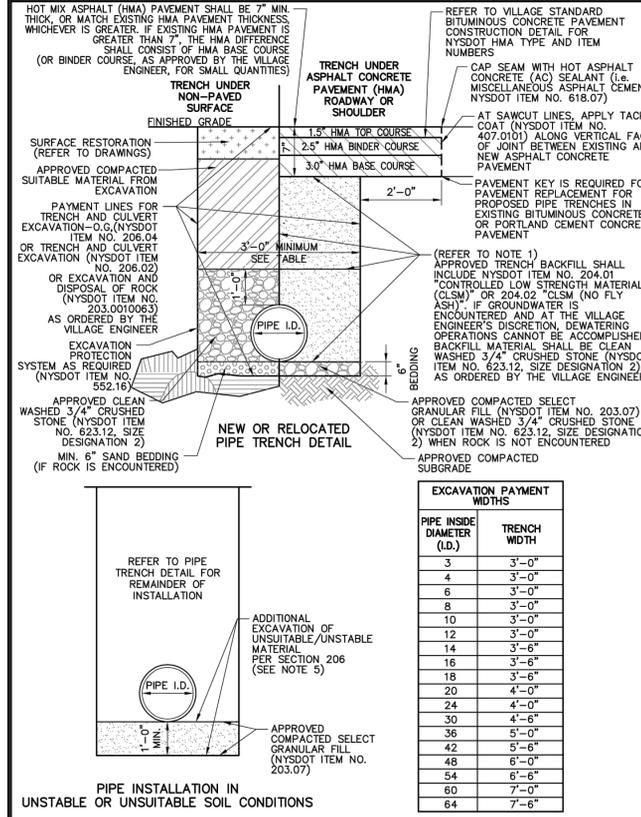
SANITARY SEWER LATERAL SADDLE CONNECTION (TO EXISTING MAINS EXCLUDING CLAY)
DESIGNED BY: ARS, PE CHECKED BY: ARS, PE
DRAWN BY: ARS, PE VILL. SD-4B

VILLAGE OF MAMARONECK PROJECT DETAILS: SCALE: 1" = 10'-0" DATE: 03/23/2019
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WESTCHESTER COUNTY
PHONE: (914) 777-7731 FAX: (914) 777-7792

PORTLAND CEMENT CONCRETE TAPERED DRIVEWAY APRON (SIDEWALK ABUTTING ROADWAY)
DESIGNED BY: ARS, PE CHECKED BY: ARS, PE
DRAWN BY: ARS, PE VILL. SD-5E

VILLAGE OF MAMARONECK PROJECT DETAILS: SCALE: 1" = 10'-0" DATE: 03/23/2019
169 MT. PLEASANT AVENUE (3RD FLOOR) VILLAGE OF MAMARONECK, NY 10543
WESTCHESTER COUNTY
PHONE: (914) 777-7731 FAX: (914) 777-7792

ASPHALT CONCRETE PAVEMENT (WITHIN RIGHT-OF-WAY)
DESIGNED BY: ARS, PE CHECKED BY: ARS, PE
DRAWN BY: ARS, PE VILL. SD-6A



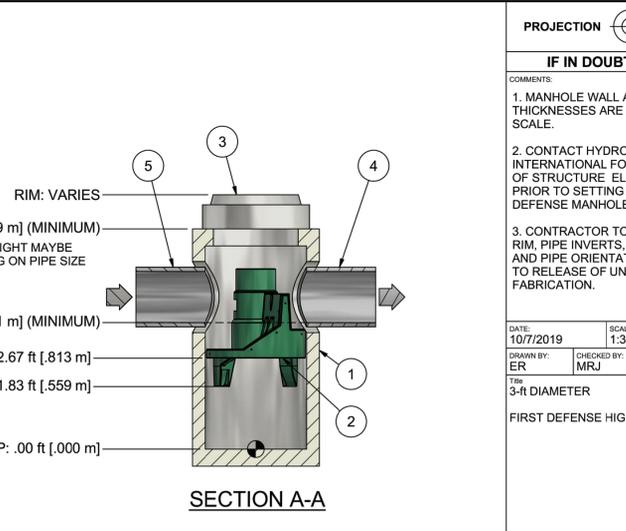
PRODUCT SPECIFICATION:

- PEAK HYDRAULIC FLOW: 15.0 cfs (424 l/s)
- MIN SEDIMENT STORAGE CAPACITY: 0.4 cu. yd. (0.3 cu. m.)
- OIL STORAGE CAPACITY: 125 gal. (473 liters)
- MAXIMUM INLET/OUTLET PIPE DIAMETERS: 18 in. (450 mm)
- THE TREATMENT SYSTEM SHALL USE AN INDUCED VORTEX TO SEPARATE POLLUTANTS FROM STORMWATER RUNOFF.
- NJCAT VERIFIED FOR GREATER THAN 85% TSS AT 1.06 cfs (29.9 l/s) FOR OK 110 (50-150 MICRONS)
- NJCAT VERIFIED FOR GREATER THAN 90% TSS AT 0.85 cfs (24.0 l/s) FOR DOWN TO 50 MICRONS (50-1,000 MICRONS)

GENERAL NOTES:

- General Arrangement drawings only. Contact Hydro International for site specific drawings.
- The diameter of the inlet and outlet pipes may be no more than 18".
- Multiple inlet pipes possible (refer to project plan).
- Inlet/outlet pipe angle can vary to align with drainage network (refer to project plan.s)
- Peak flow rate and minimum height limited by available cover and pipe diameter.
- Larger sediment storage capacity may be provided with a deeper sump depth.

ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY RESPONSIBILITY FOR ANY STRUCTURE, PLANT, OR EQUIPMENT, (OR THE PERFORMANCE THERE OF) DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL HAS A POLICY OF CONTINUOUS DEVELOPMENT AND RESERVE THE RIGHT TO AMEND THE SPECIFICATION. HYDRO INTERNATIONAL CANNOT ACCEPT LIABILITY FOR PERFORMANCE OF ITS EQUIPMENT, (OR ANY PART THEREOF), IF THE EQUIPMENT IS SUBJECT TO CONDITIONS OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN GOOD FAITH. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL.



PARTS LIST

ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	36	900	I.D. PRECAST MANHOLE
2	1			INTERNAL COMPONENTS (PRE-INSTALLED)
3	1	30	750	FRAME AND COVER (ROUND)
4	1	18 (MAX)	450 (MAX)	OUTLET PIPE (BY OTHERS)
5	1	18 (MAX)	450 (MAX)	INLET PIPE (BY OTHERS)

DO NOT SCALE DRAWING
STEEL FABRICATION FOR BRANGES UNLESS OTHERWISE SPECIFIED.
DIMENSIONS ARE IN INCHES.

LINEAR: 000 - 012in = ±0.04in 000 - 120in = ±1" 000 - 240in = ±0.08in 000 - 240in = ±0.08in 000 - 240in = ±0.08in 120in = ±0.20in

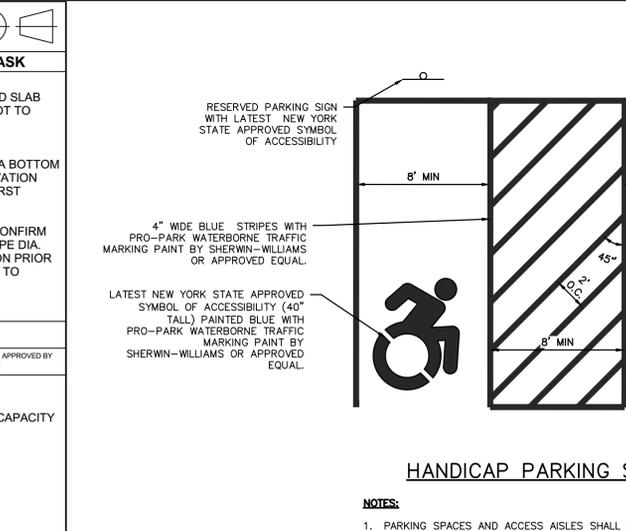
ANGULAR: 000 - 120in = ±1" 000 - 240in = ±0.5" 240in = ±0.25"

WEIGHT: MATERIAL:

STOCK NUMBER:

DRAWING NO: FDHC GA-3

SHEET SIZE: SHEET: 1 OF 1



VILLAGE OF MAMARONECK PROJECT DETAILS: SCALE: 1" = 10'-0" DATE: 03/23/2019
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WESTCHESTER COUNTY
PHONE: (914) 777-7731 FAX: (914) 777-7792

PIPE TRENCH AND ASPHALT CONCRETE PAVEMENT RESTORATION
DESIGNED BY: ARS, PE CHECKED BY: ARS, PE
DRAWN BY: ARS, PE VILL. SD-2A

VILLAGE OF MAMARONECK PROJECT DETAILS: SCALE: 1" = 10'-0" DATE: 03/23/2019
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WESTCHESTER COUNTY
PHONE: (914) 777-7731 FAX: (914) 777-7792

HYDRO FRAME AND COVER (INCLUDED)
DESIGNED BY: ARS, PE CHECKED BY: ARS, PE
DRAWN BY: ARS, PE VILL. SD-4B

VILLAGE OF MAMARONECK PROJECT DETAILS: SCALE: 1" = 10'-0" DATE: 03/23/2019
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PHONE: (914) 777-7731 FAX: (914) 777-7792

PORTLAND CEMENT CONCRETE TAPERED DRIVEWAY APRON (SIDEWALK ABUTTING ROADWAY)
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VILLAGE OF MAMARONECK PROJECT DETAILS: SCALE: 1" = 10'-0" DATE: 03/23/2019
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WESTCHESTER COUNTY
PHONE: (914) 777-7731 FAX: (914) 777-7792

ASPHALT CONCRETE PAVEMENT (WITHIN RIGHT-OF-WAY)
DESIGNED BY: ARS, PE CHECKED BY: ARS, PE
DRAWN BY: ARS, PE VILL. SD-6A

PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT 129-133 PROSPECT AVENUE VILLAGE OF MAMARONECK WESTCHESTER COUNTY - NEW YORK

DETAILS

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

Date: 06/15/22 Sheet: 5
Designed By: T.K.
Checked By: M.S.
Sheet No. 5

HEC

C-4

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.