

# GARDEN LANE APARTMENTS

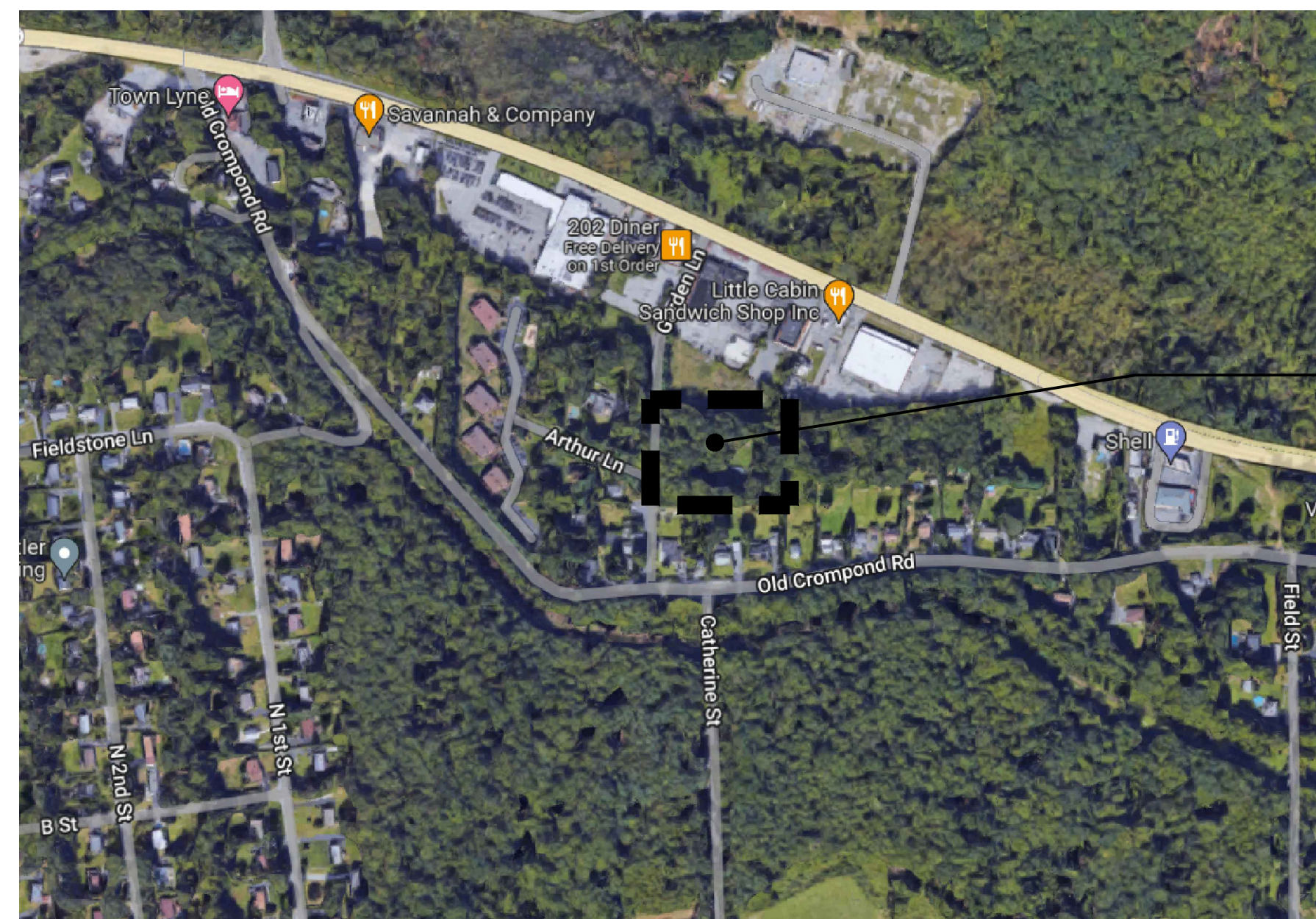
OLD CROMPOND ROAD  
CORTLAND MANOR, NY 10567  
TOWN OF YORKTOWN

## GARDEN LANE APARTMENTS

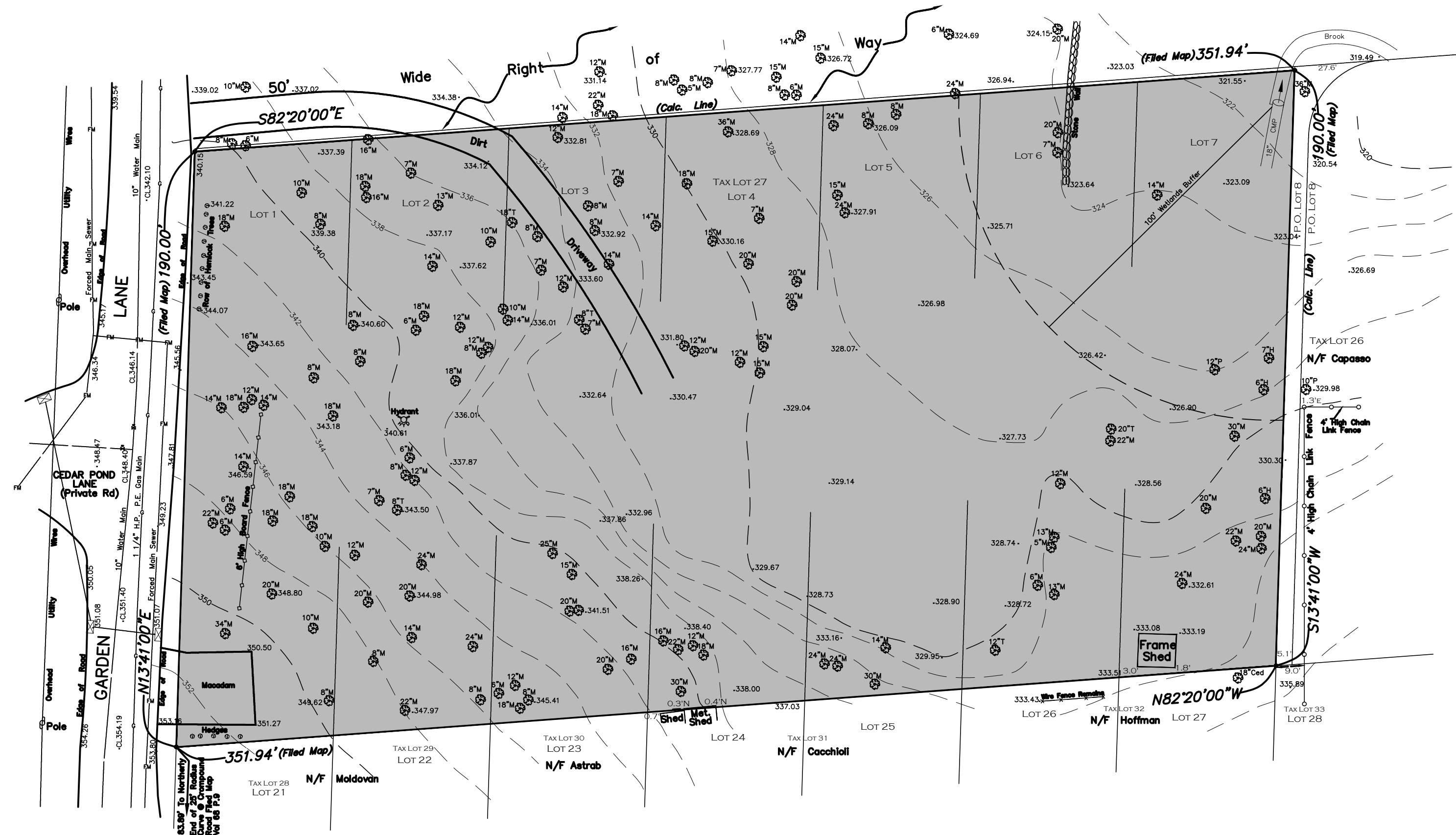
OLD CROMPOND RD.  
CORTLAND MANOR, N.Y. 10567  
TOWN OF YORKTOWN

ARCHITECT

**dimovski architecture**  
59 Kensico Road, Thornwood, NY 10594  
(914) 747-3500 | (914) 747-3588 fax  
www.dimovskiarchitecture.com



PROJECT SITE



EXISTING SITE PLAN  
SCALE: 1" = 30'

### VICINITY MAP



### DRAWING LIST

#### ARCHITECTURAL

- G-001 COVER SHEET
- SP-1 SITE PLAN, ZONING ANALYSIS & PLANTING PLAN
- A-100 BASEMENT FLOOR PLAN
- A-101 FIRST FLOOR PLAN
- A-102 SECOND FLOOR PLAN
- A-200 EXTERIOR ELEVATIONS

Block 1, Lot 27 Town of Yorktown Tax Maps. Area=67,998 sq.ft.1.56 acres  
Survey of plot situate in the Town of Yorktown, County of Westchester and State of New York, shown and designated as Lot Nos.1 thru 7, inclusive on a certain Map entitled "Amended Re-Subdivision", situate in the Town of Yorktown, Westchester County, New York, and filed in the Office of the County Clerk of Westchester County, Division of Land Records on November 21, 1925 in Volume 68 at Page 9.

All Elevations are based on NAVD 88 Datum. 356.00 Denotes Spot Elevations in Feet.  
Unauthorized alteration or addition to this survey map is a violation of Section 7209 Subsection 2, of the New York State Education Law.  
No guarantee is implied by this map as to the existence or non-existence of any easements or record that would affect subject property, unless surveyor has been furnished a complete copy of the title report.  
Dimensions shown from structures to property lines are not intended to be used for construction of fences, structures or other improvements.

RONALD PERSAUD, L.S.  
LAND SURVEYOR  
15 South Tenth Ave  
MOUNT VERNON, N.Y. 10550  
Tele : (914) 523-5808  
Email: ronaldpersaud1510@gmail.com

"Surveyed As In Possession"  
Surveyed: January 29, 2022  
Map Drafted: February 9, 2022

RONALD PERSAUD N.Y.S. LIC. No. 051087

NO.	REVISION/ISSUE	DATE
6	PUBLIC HEARING	05/04/2023
5	PLANNING BOARD WORK SESSION	04/12/2023
4	PUBLIC INFORMATION HEARING #1 UPDATE	02/13/2023
3	PUBLIC INFORMATION HEARING #1	01/27/2023
2	PLANNING BOARD SUBMISSION 2	12/29/2022
1	PLANNING BOARD	9/06/2022

SEAL

PROJECT  
**GARDEN LANE APARTMENTS**  
OLD CROMPOND RD.  
TOWN OF YORKTOWN

DATE:	JULY 01, 2022
PROJECT NO:	DA 21155
DRAWN BY:	YK
CHECKED BY:	PD/SGD
SCALE:	AS NOTED

DRAWING TITLE  
COVER SHEET

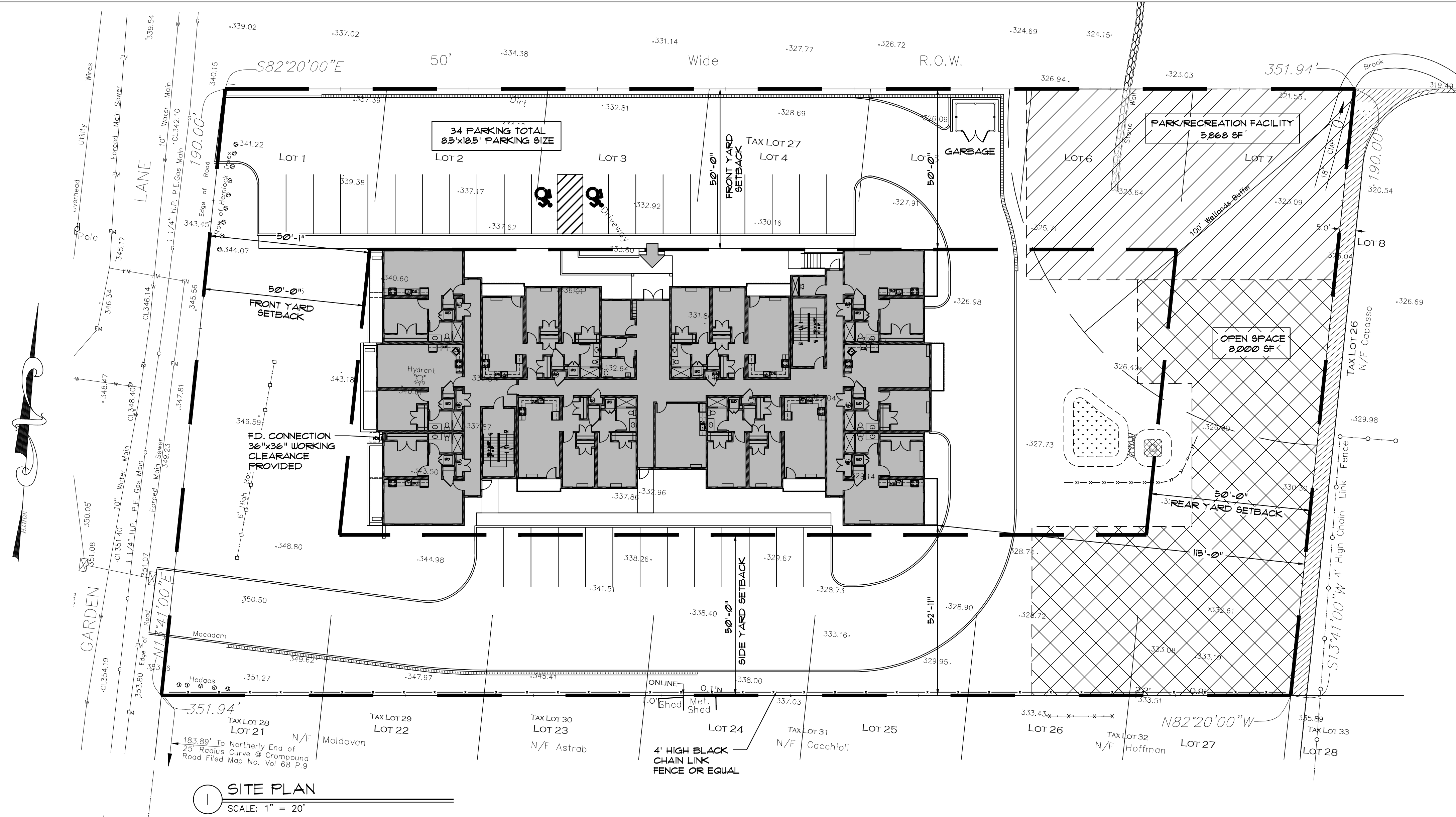
SHEET NO.  
**G-001**

# GARDEN LANE APARTMENTS

OLD CROMPOUND RD.  
CORTLAND MANOR, N.Y. 10597  
TOWN OF YORKTOWN

ARCHITECT

**dimovskiarchitecture**  
59 Kensico Road, Thornwood, NY 10594  
(914) 747-3500 | (914) 747-3588 fax  
www.dimovskiarhitecture.com



**SITE PLAN**  
SCALE: 1" = 20'

ZONING DATA TABLE				
SECTION: 35.00 BLOCK: 1 LOT: 27				
ZONE: R-3				
USE	REQUIRED	EXISTING	PROPOSED	VARIANCE
LOT AREA (SF)	9,630 SF	67,878 SF (GROSS) (b) 58,677 SF (NET)	NO CHANGE	
F.A.R., USABLE (WITH PUBLIC SEWERS)	0.20 for max 12 u/ac (a)	-	0.3 for 20 u/ac	(1) (2)
MIN. SITE AREA (ACRES)	-	-	NO CHANGE	
LOT WIDTH AT MAIN BUILDING LINE (FT)	-	189'	NO CHANGE	
LOT DEPTH (FT)	150'	352'	NO CHANGE	
FRONT YARD (FT)	50'	-	50'	
FRONT YARD (FT) CORNER LOT	50'	-	50'-1"	
SIDE YARD (FT)				
MAIN OR ACCESSORY BUILDING, MIN. EITHER SIDE	50'	-	52'-11"	
TWO COMBINED	100'	-	-	
ACCESSORY BUILDING IF IN REAR YARD, MIN. EITHER SIDE	20'	-	-	
REAR YARD (FT)				
MAIN BUILDING	50'	-	115'	
ACCESSORY BUILDING	-	-	-	
MAXIMUM HEIGHT (FT)				
MAIN BUILDING	40'	-	30'-4"	
ACCESSORY BUILDING OR STRUCTURE	-	-	-	
MIN. USABLE FLOOR AREA OF DWELLING UNIT (SF)	-	-	-	
MAX. BUILDING COVERAGE OF ACTUAL LOT AREA (ALL BUILDINGS)	20%	-	20%	
REQ'D OFF STREET PARKING SPACES PER DWELLING UNIT	1.5 PER DWELLING	-	34	
ROAD FRONTAGE (FT)	-	-	-	
VARIANCE(S) REQUIRED				
(1) - FAR - 0.20 IS REQ'D, HAS 0.3, THEREFORE A 0.1 FAR VARIANCE IS NEEDED.				
(2) - UNIT COUNTS - 16.2 UNITS ARE REQ'D, HAS 20 UNITS, THEREFORE A 3.8 UNITS VARIANCE IS NEEDED.				

APPENDIX A (10). IN ALL MULTIFAMILY DISTRICTS, INCLUDING R-3, R-2A, RSP-1, RSP-2 AND R-3A, THE FLOOR AREA RATIO, USABLE AND THE LOT AREA (SF) SHALL BE CALCULATED ON THE BASIS OF NET AREA, WHICH SHALL BE DETERMINED BY SUBTRACTING FROM THE GROSS AREA OF THE SITE ALL WETLANDS AND CONTROLLED AREAS AS DEFINED IN CHAPTER 17B, FRESHWATER WETLANDS.

(b) 67,878 SF (GROSS LOT AREA) - 9,201 SF (WETLAND CONTROLLED AREA) = 58,677 SF OF NET AREA.

(g) REQUIRED NUMBER OF APT. UNITS PER ACRE  
58,677 SF / 43,560 SF = 1.35 ACRES  
12 UNITS / ACRE = X UNITS / 1.35 ACRES  
X UNITS = 16.2 UNITS ALLOWED

PROPOSED NUMBER OF APT. UNITS  
20 UNITS (20 UNITS ALLOWED BASED ON PREVIOUSLY APPROVED HOFFMAN DECISION. SEE ATTACHED.)

F.A.R. BREAKDOWN  
(b) 1 BEDROOM UNITS = 743 SF x 8 = 5,944 SF  
(4) 1 BEDROOM UNITS = 763 SF x 4 = 3,052 SF  
(b) 2 BEDROOM UNITS = 1,052 SF x 8 = 8,416 SF  
17,412 SF

TOTAL PROPOSED DWELLING UNITS F.A.R. = 20 UNITS @ 17,412 SF  
17,412 SF / 58,677 = 0.3 FAR

AVERAGE F.A.R. PER DWELLING UNIT = 17,412 SF / 20 = 870.6 SF  
(880 SF / UNIT ALLOWED BASED ON HOFFMAN DECISION.)

OPEN SPACE REQUIREMENT  
300-2(C)(3)(f)  
400 SF PER EACH DWELLING UNIT  
PROPOSED 20 DWELLING UNITS  
400 x 20 = 8,000 SF

PARK/RECREATIONAL FACILITIES REQUIREMENT  
300-2(C)(3)(g)  
10% OF THE SITE  
58,677 x 0.1 = 5,867.7 SF

PARKING REQUIREMENT  
300-182(A)(1)  
1.5 PARKING PER DWELLING UNIT  
PROPOSED 20 DWELLING UNITS  
1.5 x 20 = 30 PARKING  
30 PARKING REQUIRED  
34 PARKING PROVIDED

NO.	REVISION/ISSUE	DATE
6	PUBLIC HEARING	05/04/2023
5	PLANNING BOARD WORK SESSION	04/12/2023
4	PUBLIC INFORMATION HEARING #1 UPDATE	02/13/2023
3	PUBLIC INFORMATION HEARING #1	01/27/2023
2	PLANNING BOARD SUBMISSION 2	12/29/2022
1	PLANNING BOARD	9/06/2022

SEAL

PROJECT  
**GARDEN LANE APARTMENTS**  
OLD CROMPOUND RD.  
TOWN OF YORKTOWN

DATE: JULY 01, 2022  
PROJECT NO: DA 21155  
DRAWN BY: YK  
CHECKED BY: PDI/SGD  
SCALE: AS NOTED

DRAWING TITLE  
**SITE PLAN & ZONING ANALYSIS**

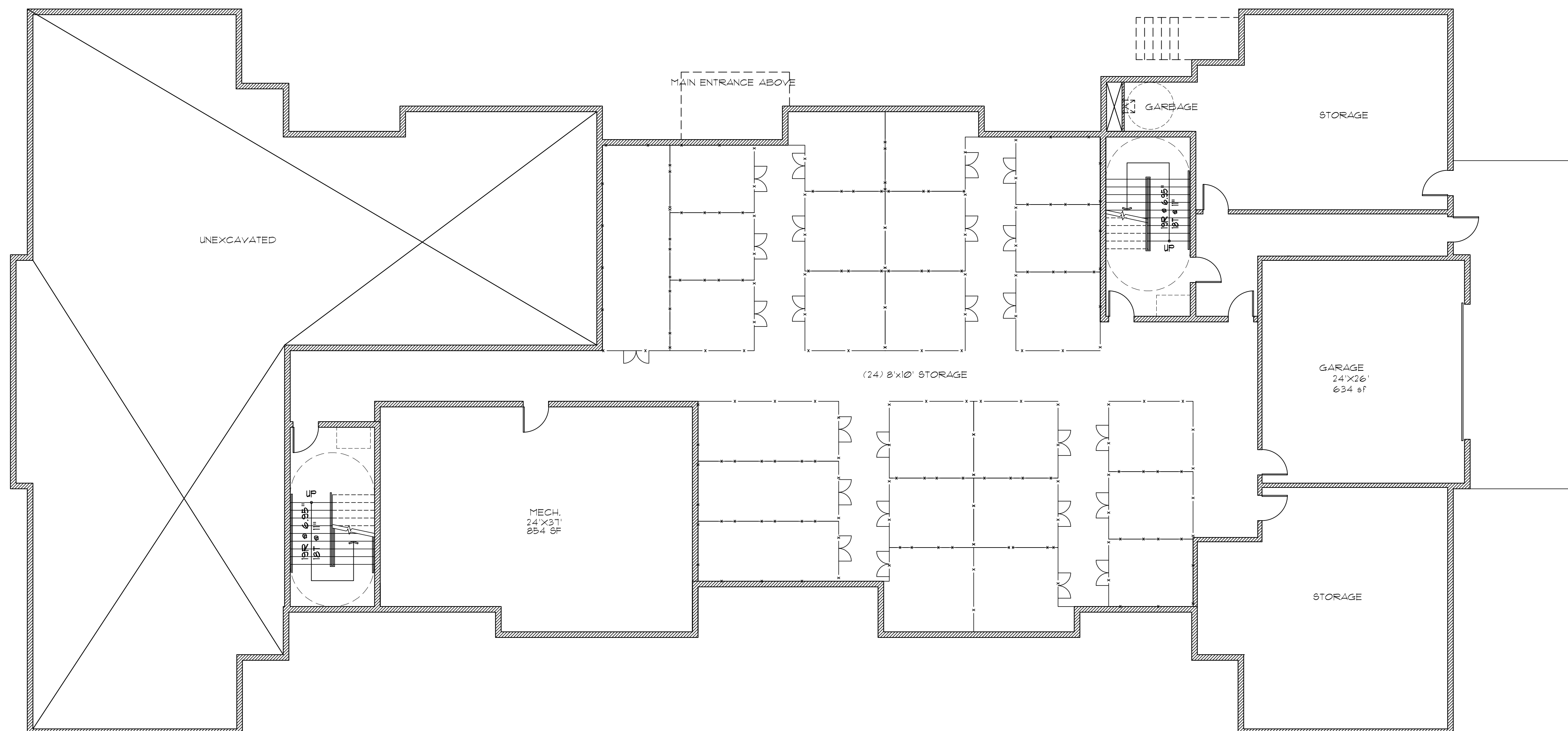
SHEET NO.  
**SP-1**

# GARDEN LANE APARTMENTS

OLD CROMPOND RD.  
CORTLAND MANOR, N.Y. 10594  
TOWN OF YORKTOWN

ARCHITECT

**dimovski architecture** PLLC  
59 Kensico Road, Thornwood, NY 10594  
(914) 747-3500 | (914) 747-3588 fax  
www.dimovskiarhitecture.com



**1** BASEMENT FLOOR PLAN  
SCALE: 1/8" = 1'-0"

NO.	REVISION/ISSUE	DATE
6	PUBLIC HEARING	05/04/2023
5	PLANNING BOARD WORK SESSION	04/12/2023
4	PUBLIC INFORMATION HEARING #1 UPDATE	02/13/2023
3	PUBLIC INFORMATION HEARING #1	01/27/2023
2	PLANNING BOARD SUBMISSION 2	12/29/2022
1	PLANNING BOARD	9/06/2022

SEAL

PROJECT  
**GARDEN LANE APARTMENTS**  
OLD CROMPOND RD.  
TOWN OF YORKTOWN

DATE:	JULY 01, 2022
PROJECT NO:	DA 21155
DRAWN BY:	YK
CHECKED BY:	PD/SGD
SCALE:	AS NOTED

DRAWING TITLE  
**BASEMENT PLAN**

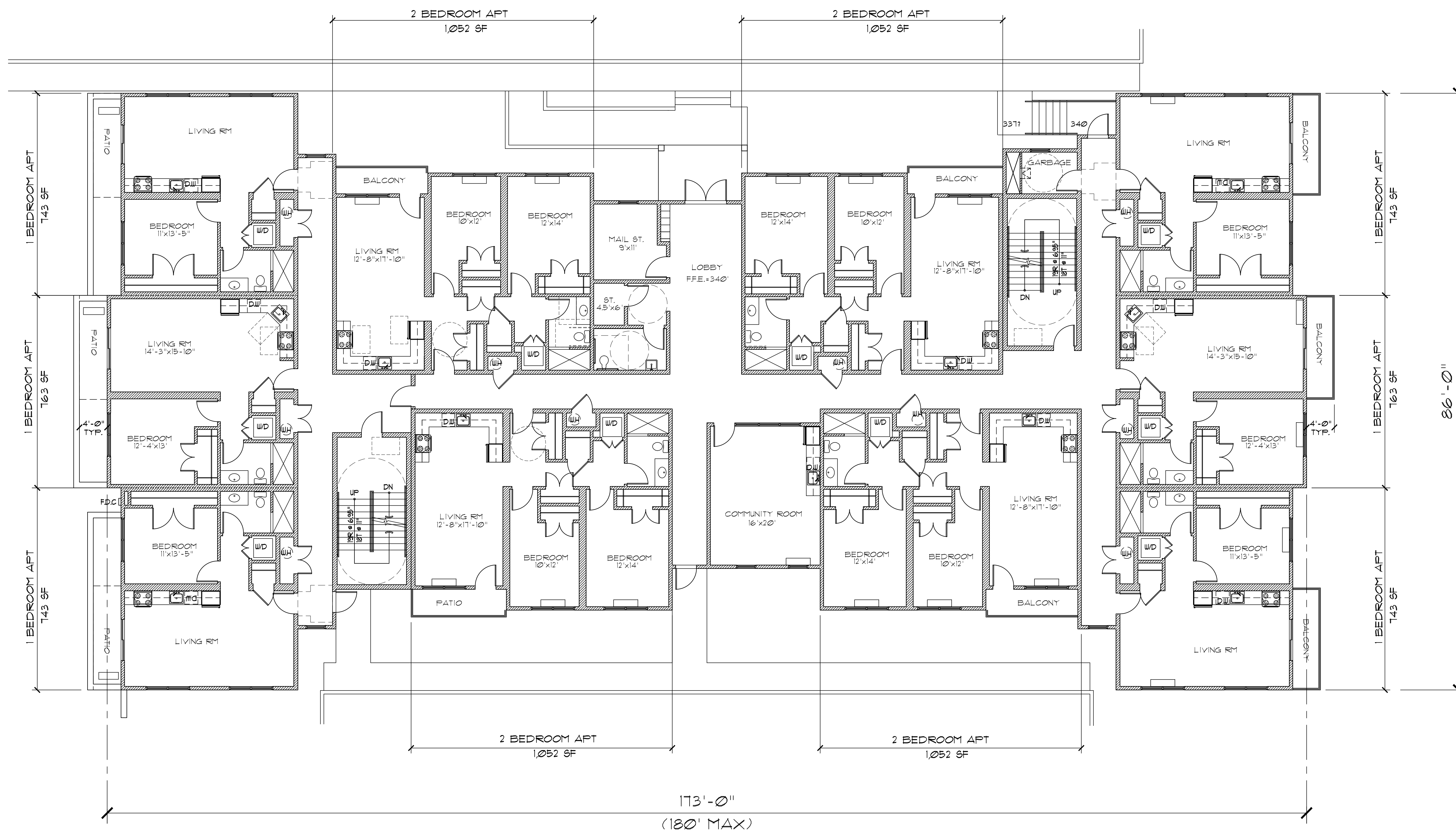
SHEET NO.  
**A-100**

# GARDEN LANE APARTMENTS

OLD CROMPOND RD.  
CORTLAND MANOR, N.Y. 10567  
TOWN OF YORKTOWN

ARCHITECT

**dimovskiarchitecture** PLLC  
59 Kensico Road, Thornwood, NY 10594  
(914) 747-3500 | (914) 747-3588 fax  
www.dimovskiarchitecture.com



**1** 1ST FLOOR PLAN  
SCALE: 1/8" = 1'-0"

NO.	REVISION/ISSUE	DATE
6	PUBLIC HEARING	05/04/2023
5	PLANNING BOARD WORK SESSION	04/12/2023
4	PUBLIC INFORMATION HEARING #1 UPDATE	02/13/2023
3	PUBLIC INFORMATION HEARING #1	01/27/2023
2	PLANNING BOARD SUBMISSION 2	12/29/2022
1	PLANNING BOARD	9/06/2022

SEAL

PROJECT  
**GARDEN LANE APARTMENTS**  
OLD CROMPOND RD.  
TOWN OF YORKTOWN

DATE:	JULY 01, 2022
PROJECT NO.:	DA 21155
DRAWN BY:	YK
CHECKED BY:	PD/SGD
SCALE:	AS NOTED

DRAWING TITLE  
**FIRST FLOOR PLAN**

SHEET NO.  
**A-101**

# GARDEN LANE APARTMENTS

OLD CROMPOND RD.  
CORTLAND MANOR, N.Y. 10567  
TOWN OF YORKTOWN

ARCHITECT

**dimovski architecture**  
59 Kensico Road, Thornwood, NY 10594  
(914) 747-3500 | (914) 747-3588 fax  
www.dimovskiarhitecture.com



1 2ND FLOOR PLAN  
SCALE: 1/8" = 1'-0"

NO.	REVISION/ISSUE	DATE
6	PUBLIC HEARING	05/04/2023
5	PLANNING BOARD WORK SESSION	04/12/2023
4	PUBLIC INFORMATION HEARING #1 UPDATE	02/13/2023
3	PUBLIC INFORMATION HEARING #1	01/27/2023
2	PLANNING BOARD SUBMISSION 2	12/29/2022
1	PLANNING BOARD	9/06/2022

SEAL

PROJECT  
**GARDEN LANE APARTMENTS**  
OLD CROMPOND RD.  
TOWN OF YORKTOWN

DATE:	JULY 01, 2022
PROJECT NO.:	DA 21155
DRAWN BY:	YK
CHECKED BY:	PD/SGD
SCALE:	AS NOTED

DRAWING TITLE  
**SECOND FLOOR PLAN**

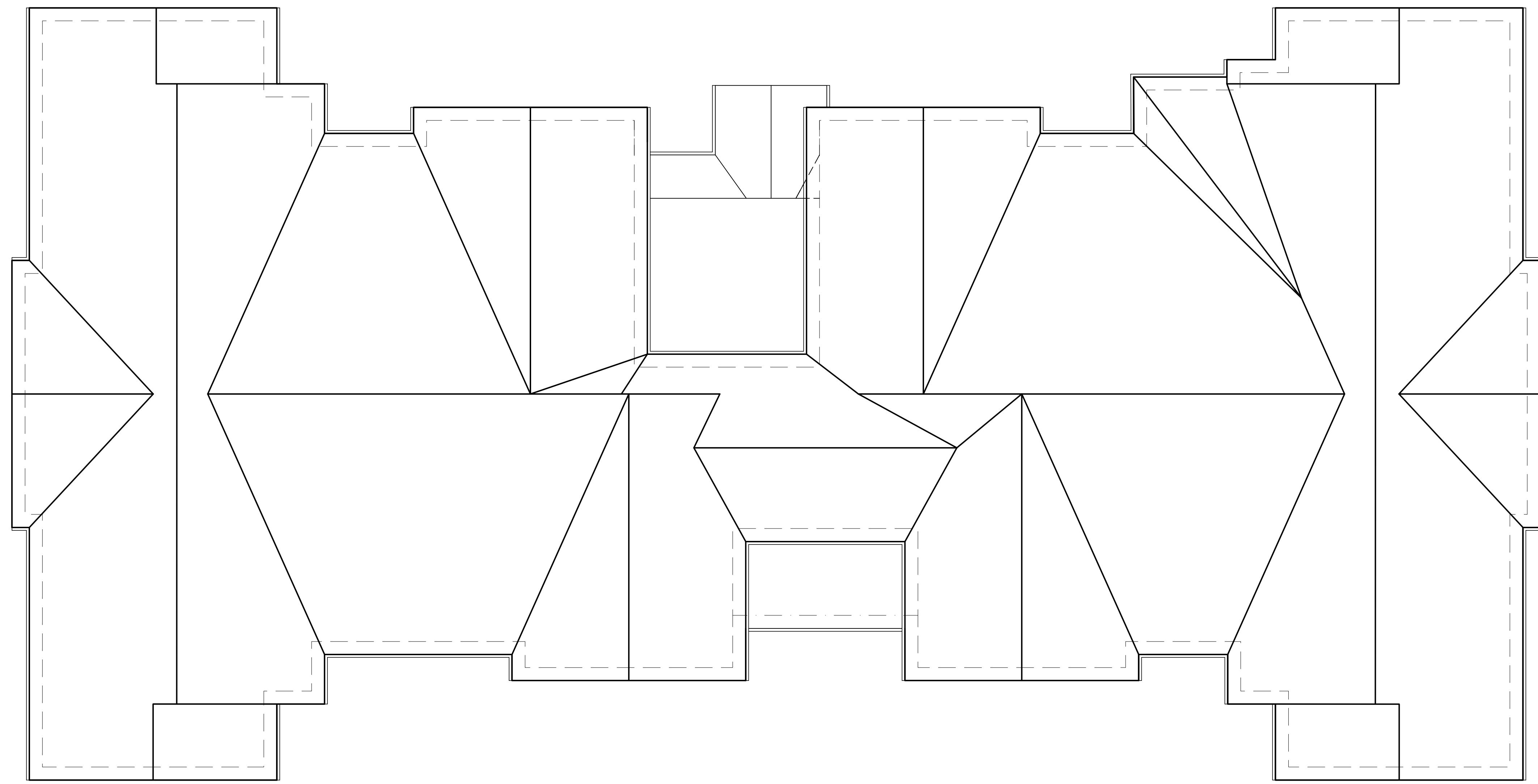
SHEET NO.  
**A-102**

# GARDEN LANE APARTMENTS

OLD CROMPOND RD.  
CORTLAND MANOR, N.Y. 10567  
TOWN OF YORKTOWN

ARCHITECT

**d+** dimovskiarchitecture  
59 Kensico Road, Thornwood, NY 10594  
(914) 747-3500 | (914) 747-3588 fax  
www.dimovskiarchitecture.com



1 ROOF PLAN  
SCALE: 1/8" = 1'-0"

NO.	REVISION/ISSUE	DATE
6	PUBLIC HEARING	05/04/2023
5	PLANNING BOARD WORK SESSION	04/12/2023
4	PUBLIC INFORMATION HEARING #1 UPDATE	02/13/2023
3	PUBLIC INFORMATION HEARING #1	01/27/2023
2	PLANNING BOARD SUBMISSION 2	12/29/2022
1	PLANNING BOARD	9/06/2022

SEAL

PROJECT  
**GARDEN LANE APARTMENTS**  
OLD CROMPOND RD.  
TOWN OF YORKTOWN

DATE:	JULY 01, 2022
PROJECT NO:	DA 21155
DRAWN BY:	YK
CHECKED BY:	PD/SGD
SCALE:	AS NOTED

DRAWING TITLE  
**ROOF PLAN**

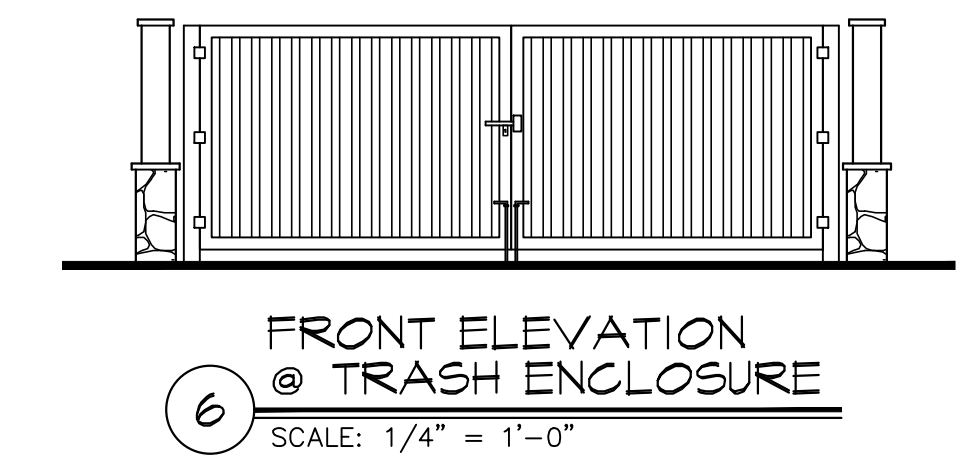
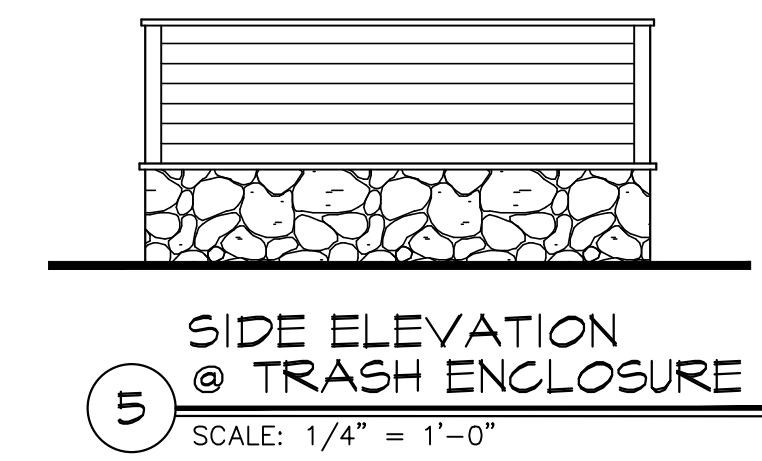
SHEET NO.  
**A-103**

# GARDEN LANE APARTMENTS

OLD CROMPOND RD.  
CORTLAND MANOR, N.Y. 10594  
TOWN OF YORKTOWN

ARCHITECT

**dimovskiarchitecture** P.L.L.C.  
59 Kensico Road, Thornwood, NY 10594  
(914) 747-3500 | (914) 747-3588 fax  
www.dimovskarchitecture.com



NO.	REVISION/ISSUE	DATE
6	PUBLIC HEARING	05/04/2023
5	PLANNING BOARD WORK SESSION	04/12/2023
4	PUBLIC INFORMATION HEARING #1 UPDATE	02/13/2023
3	PUBLIC INFORMATION HEARING #1	01/27/2023
2	PLANNING BOARD SUBMISSION 2	12/29/2022
1	PLANNING BOARD	9/06/2022

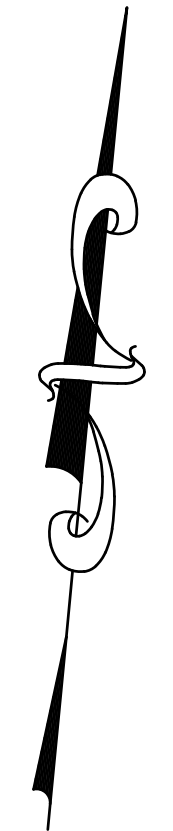
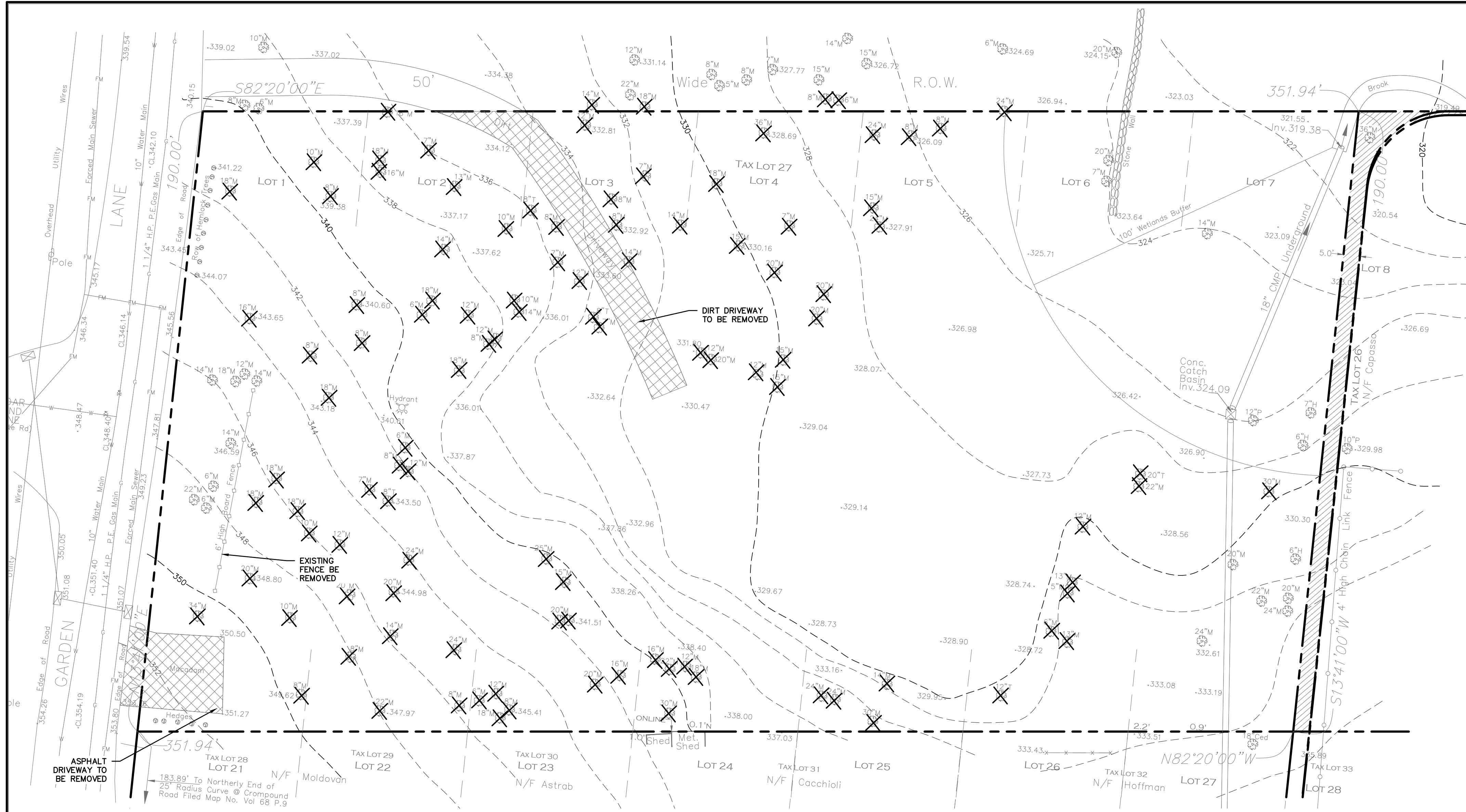
SEAL

PROJECT  
**GARDEN LANE APARTMENTS**  
OLD CROMPOND RD.  
TOWN OF YORKTOWN

DATE: JULY 01, 2022  
PROJECT NO: DA 21155  
DRAWN BY: YK  
CHECKED BY: PDI/SGD  
SCALE: AS NOTED

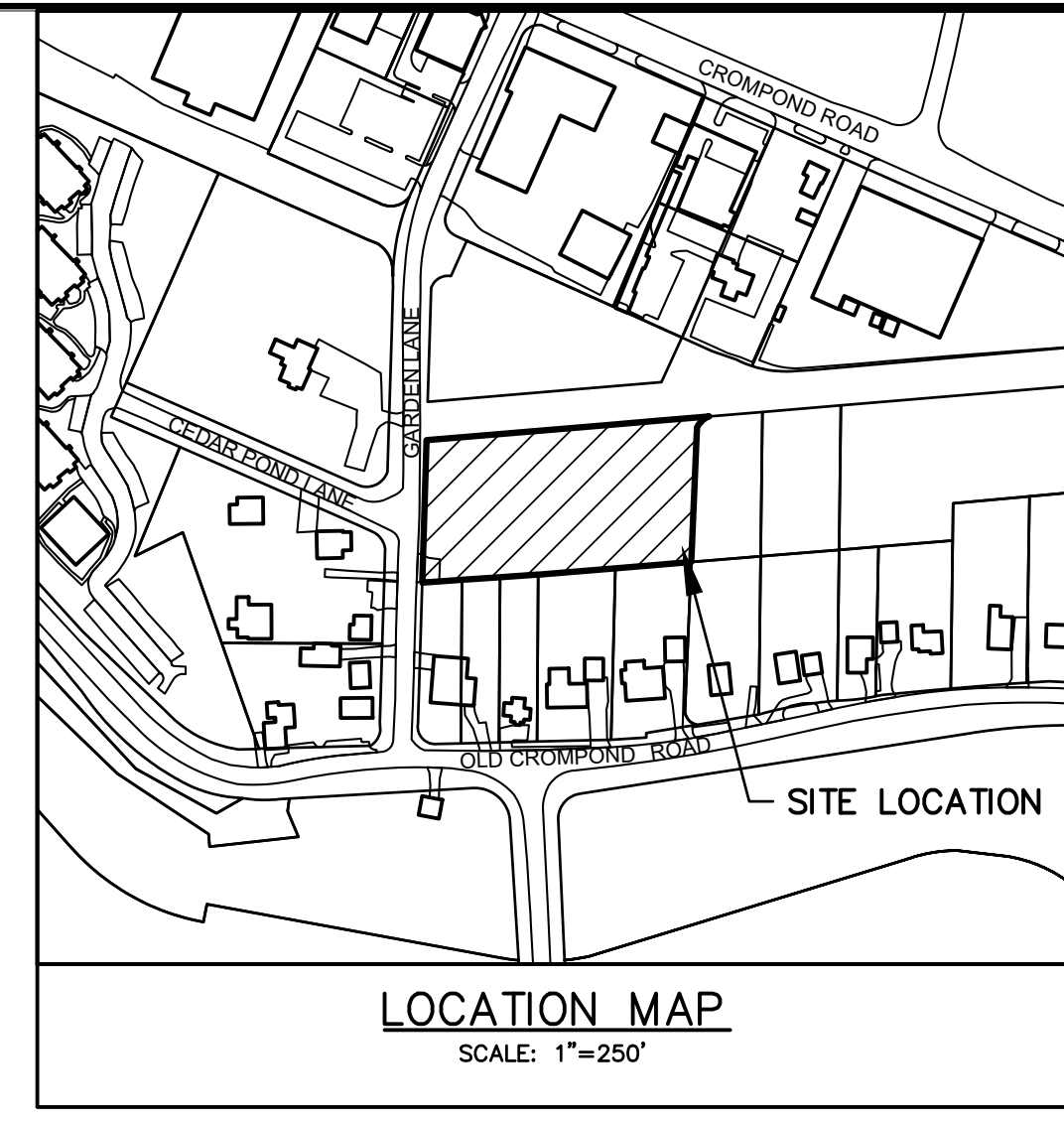
DRAWING TITLE  
**EXTERIOR ELEVATIONS**

SHEET NO.  
**A-200**



**LEGEND**

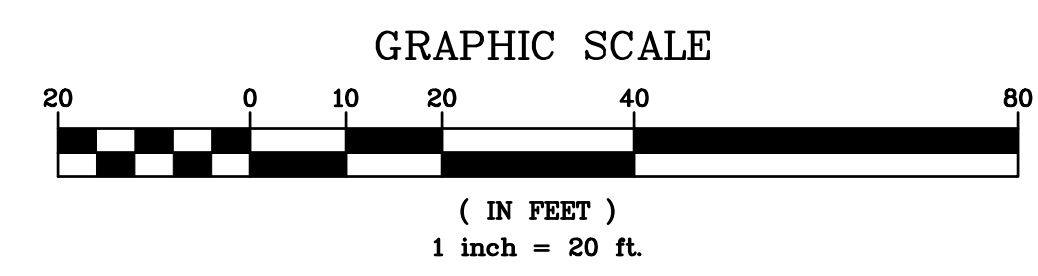
- PROPERTY LINE
- DEMOLITION
- EXISTING TREE REMOVED



- DEMOLITION NOTES:**
1. DEMOLISHED MATERIALS SHALL BE RECYCLED TO THE MAXIMUM EXTENT PRACTICAL.
  2. ALL MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
  3. ALL EXISTING UTILITIES SERVING THE SITE SHALL BE CAPPED AND ABANDONED IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS/REGULATIONS.

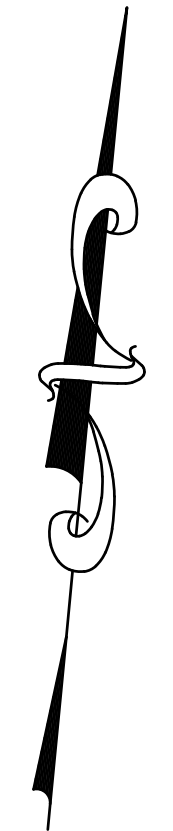
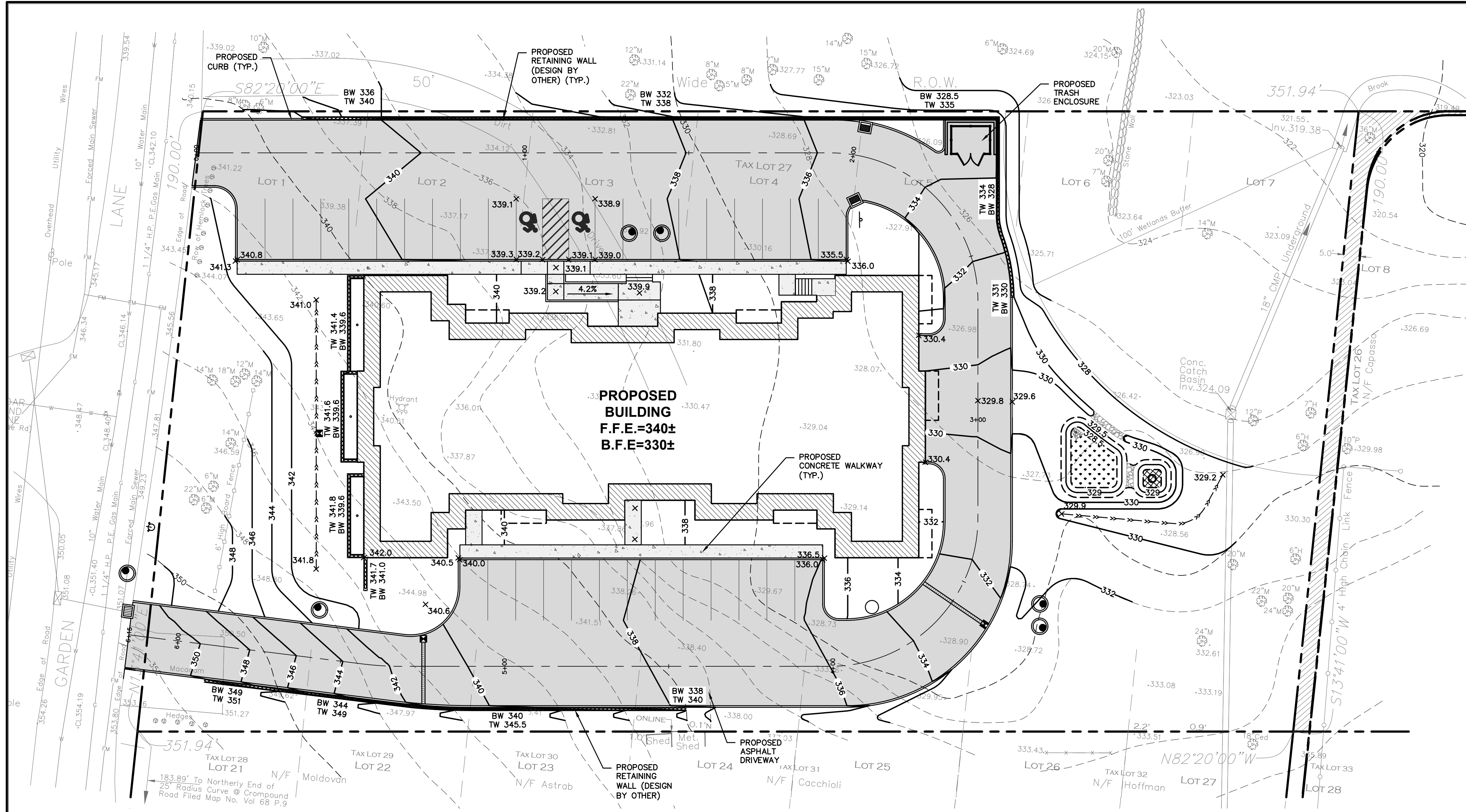
ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.

EXISTING INFORMATION SHOWN HEREON PROVIDED BY RONALD PERSAUD, L.S. LAND SURVEYOR DATED FEBRUARY 9, 2022



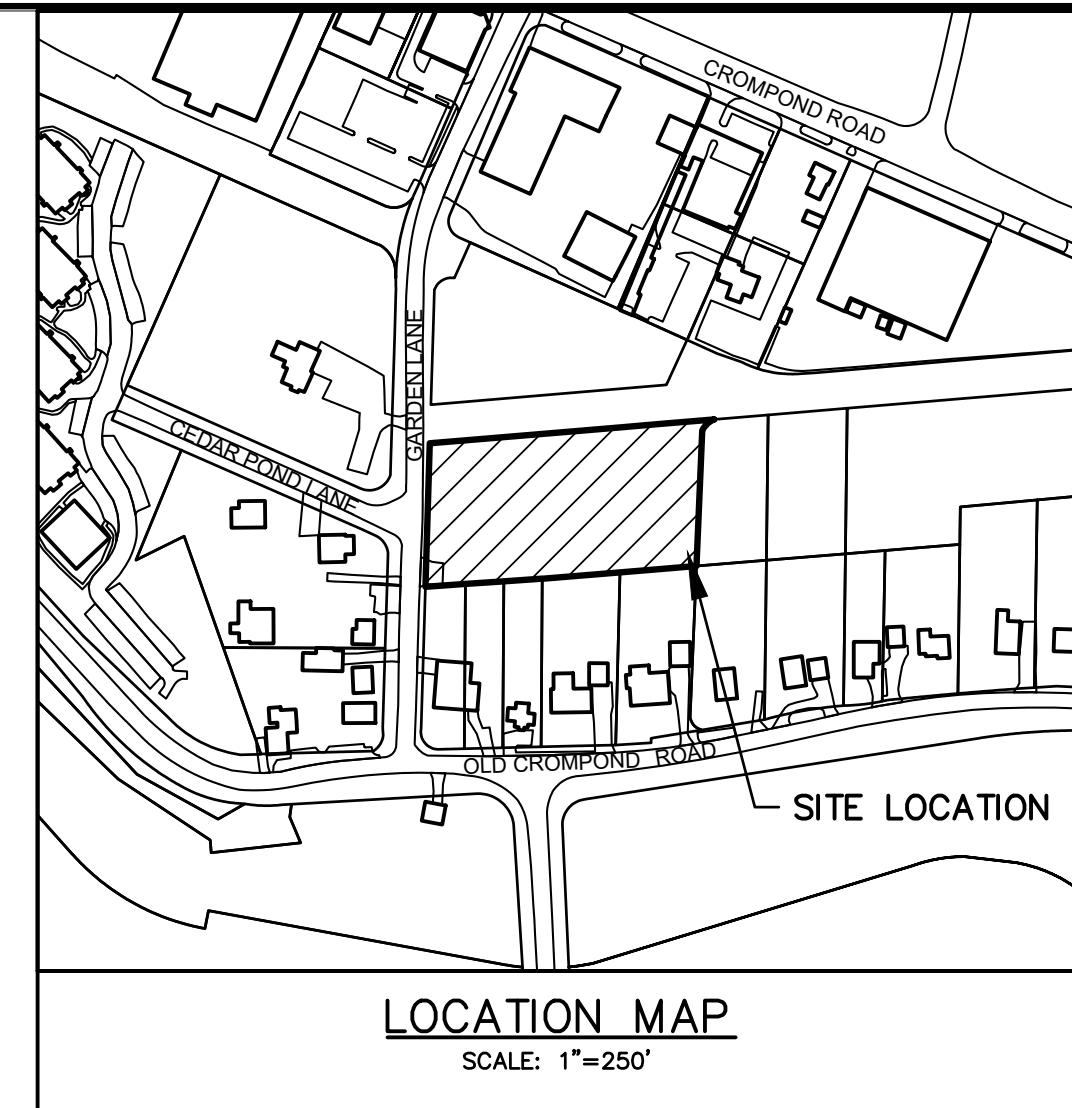
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">4/2/23</td> <td style="font-size: 8px;">REVISIONS</td> </tr> <tr> <td style="font-size: 8px;">7/2/23</td> <td style="font-size: 8px;">1</td> </tr> <tr> <td style="font-size: 8px;">11/2/23</td> <td style="font-size: 8px;">2</td> </tr> <tr> <td style="font-size: 8px;">1/2/24</td> <td style="font-size: 8px;">3</td> </tr> </table>	4/2/23	REVISIONS	7/2/23	1	11/2/23	2	1/2/24	3	<p>PROJECT:</p> <p><b>GARDEN LANE APARTMENTS</b> TOWN OF YORKTOWN WESTCHESTER COUNTY – NEW YORK</p> <p>EXISTING CONDITIONS &amp; DEMOLITION PLAN</p>	
4/2/23	REVISIONS									
7/2/23	1									
11/2/23	2									
1/2/24	3									
<p>THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL &amp; SIGNATURE</p>	<p><b>HUDSON</b> ENGINEERING CONSULTING, P.C. 45 Knollwood Road – Suite 201 Elmford, New York 10523 T: 914-809-0420 F: 914-560-2086</p>	<p>Date: 01/27/23 Sheet: 1</p> <p>Scale: 1" = 20'</p> <p>Designed By: D.Y.</p> <p>Checked By: M.S.</p> <p>Sheet No. 7</p>								
		<p>C-1</p>								



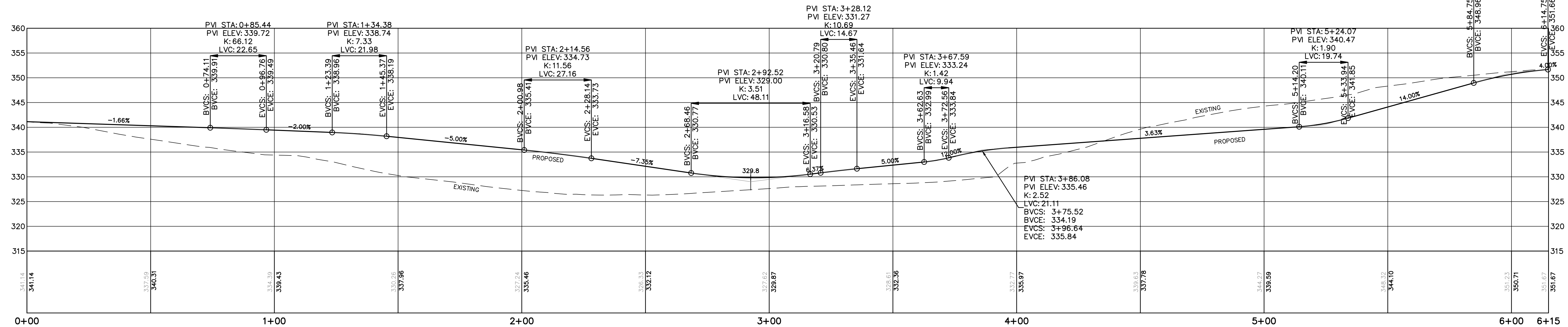


**LEGEND**

- PROPERTY LINE
- PROPOSED BELGIAN BLOCK CURB
- PROPOSED ASPHALT DRIVEWAY
- PROPOSED CONCRETE WALKWAY
- PROPOSED STONE MASONRY WALL
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE

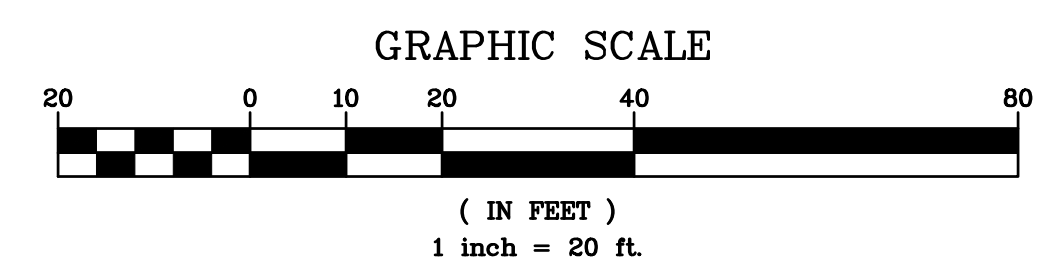


- GENERAL NOTES:**
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
  - NO CHANGES SHALL BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
  - ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C.I., A.I.C., ZONING, AND 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. (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.
  - 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.



PROFILE STA. 0+00 TO STA. 6+15  
 HORIZONTAL SCALE: 1" = 20'  
 VERTICAL SCALE: 1" = 10'

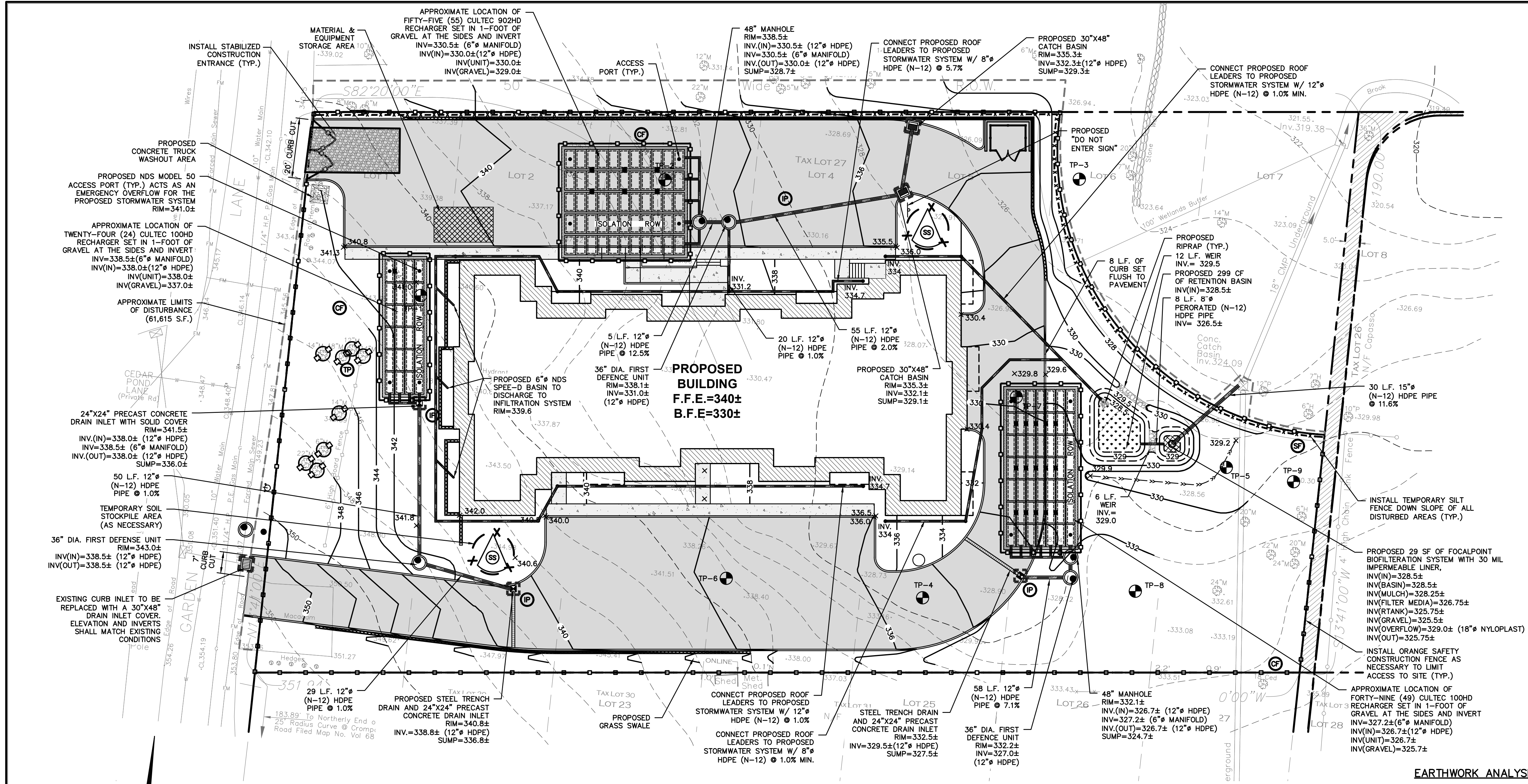
EXISTING INFORMATION SHOWN HEREON PROVIDED BY RONALD PERSAUD, L.S. LAND SURVEYOR DATED FEBRUARY 9, 2022



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

ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.

PUBLIC INFORMATION REFERENCE # 4/7/23 PUBLIC INFORMATION REFERENCE # 1/7/23 No.	PROJECT: <b>GARDEN LANE APARTMENTS</b> <b>TOWN OF YORKTOWN</b> <b>WESTCHESTER COUNTY - NEW YORK</b> GRADING PLAN <b>HEC</b> <b>HUDSON ENGINEERING CONSULTING, P.C.</b> 45 Knowlton Road - Suite 201 Elmstedt, New York 10523 T 914-609-0420 F 914-560-2086 © 2022	Date: 01/26/23 Scale: 1" = 20' Designed By: D.Y. Checked By: M.S. Sheet No. 7 <b>C-2</b>	
---	--	---	--



**TEST HOLE DATA:**

TEST HOLE #1  
DEPTH = 98"  
0-6" ORGANIC SOILS  
6-30" FINE BROWN SANDY LOAM, VERY ROCKY  
30-50" COMPACT SANDY LOAM, VERY ROCKY  
NO GROUNDWATER  
NO LEDGE ROCK  
PERC. = 2.5 INCHES/HOUR

TEST HOLE #2  
DEPTH = 96"  
0-12" ORGANIC SOILS  
12-49" FINE BROWN SANDY LOAM  
49-96" MIXED SANDS W/ SMALL ROCKS  
NO GROUNDWATER  
NO LEDGE ROCK  
PERC. = 120 INCHES/HOUR

TEST HOLE #3  
DEPTH = 96"  
0-12" ORGANIC SOILS  
12-36" FINE BROWN SANDY LOAM  
36-50" COMPACT SANDY LOAM  
NO GROUNDWATER  
NO LEDGE ROCK  
PERC. = 102.92 INCHES/HOUR

TEST HOLE #4  
DEPTH = 55"  
0-12" FILL/GRAVEL  
12-50" SANDY SILT W/ ROCKS  
GROUNDWATER @ 45"  
NO LEDGE ROCK

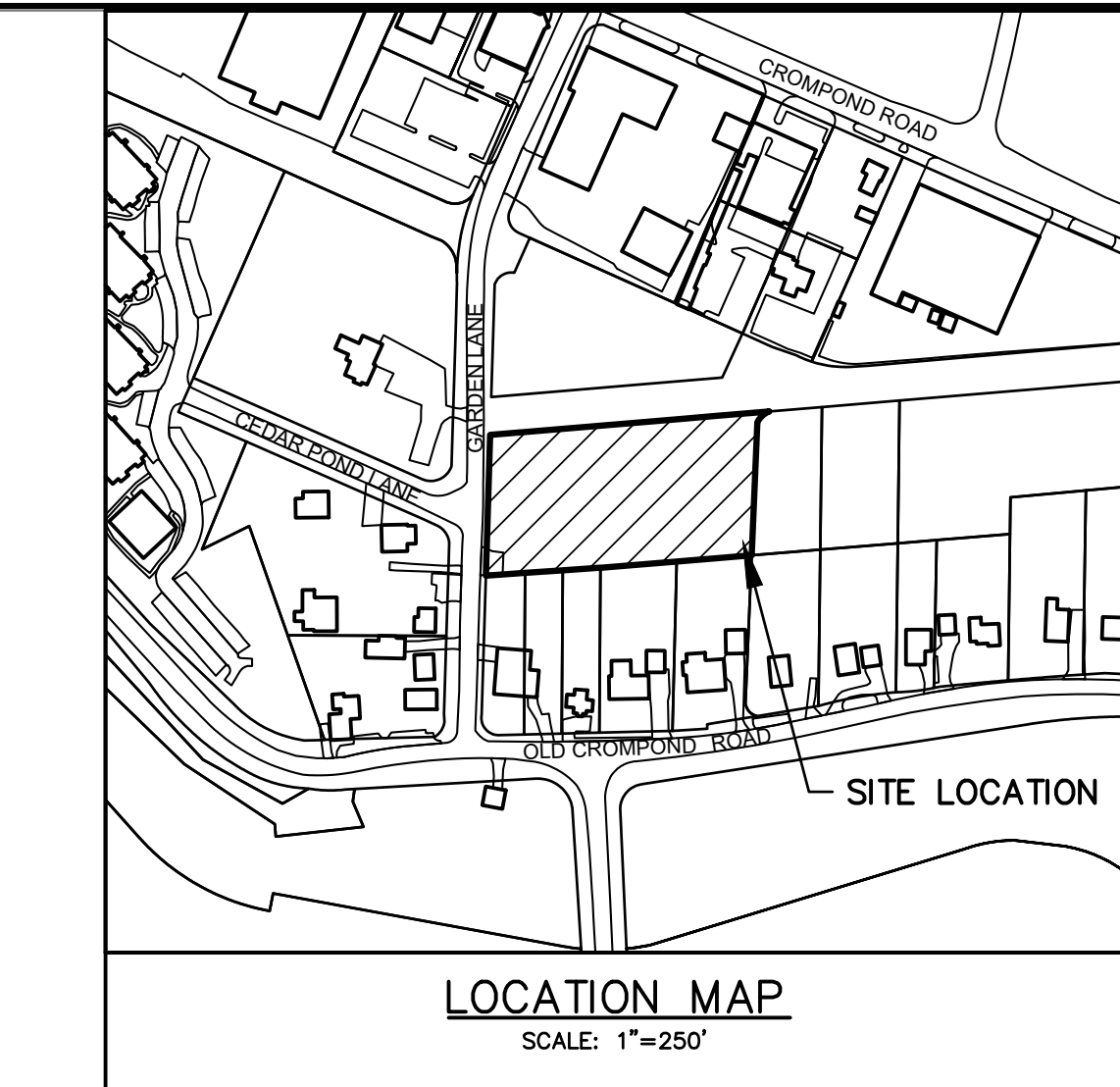
TEST HOLE #5  
DEPTH = 75"  
0-12" ORGANIC SOILS  
12-75" SANDY SILT, VERY ROCKY  
GROUNDWATER @ 60"  
NO LEDGE ROCK

TEST HOLE #6  
DEPTH = 96"  
0-12" ORGANIC SOILS  
12-96" SILTY LOAM & CLAY  
GROUNDWATER @ 24"  
HIGH WATER @ 22"  
NO LEDGE ROCK  
PERC. = 60 INCHES/HOUR

TEST HOLE #7  
DEPTH = 84"  
0-12" ORGANIC SOILS  
12-48" SANDY LOAM  
48-84" SANDY CLAY  
GROUNDWATER @ 51"  
NO LEDGE ROCK  
PERC. = 19 INCHES/HOUR

TEST HOLE #8  
DEPTH = 96"  
0-12" ORGANIC SOILS  
12-96" SILTY LOAM & CLAY  
GROUNDWATER @ 18"  
NO LEDGE ROCK  
PERC. = 60 INCHES/HOUR

TEST HOLE #9  
DEPTH = 93"  
0-12" ORGANIC SOILS  
12-93" SILTY LOAM & CLAY  
GROUNDWATER @ 45"  
HIGH WATER @ 31"  
NO LEDGE ROCK  
PERC. = 60 INCHES/HOUR

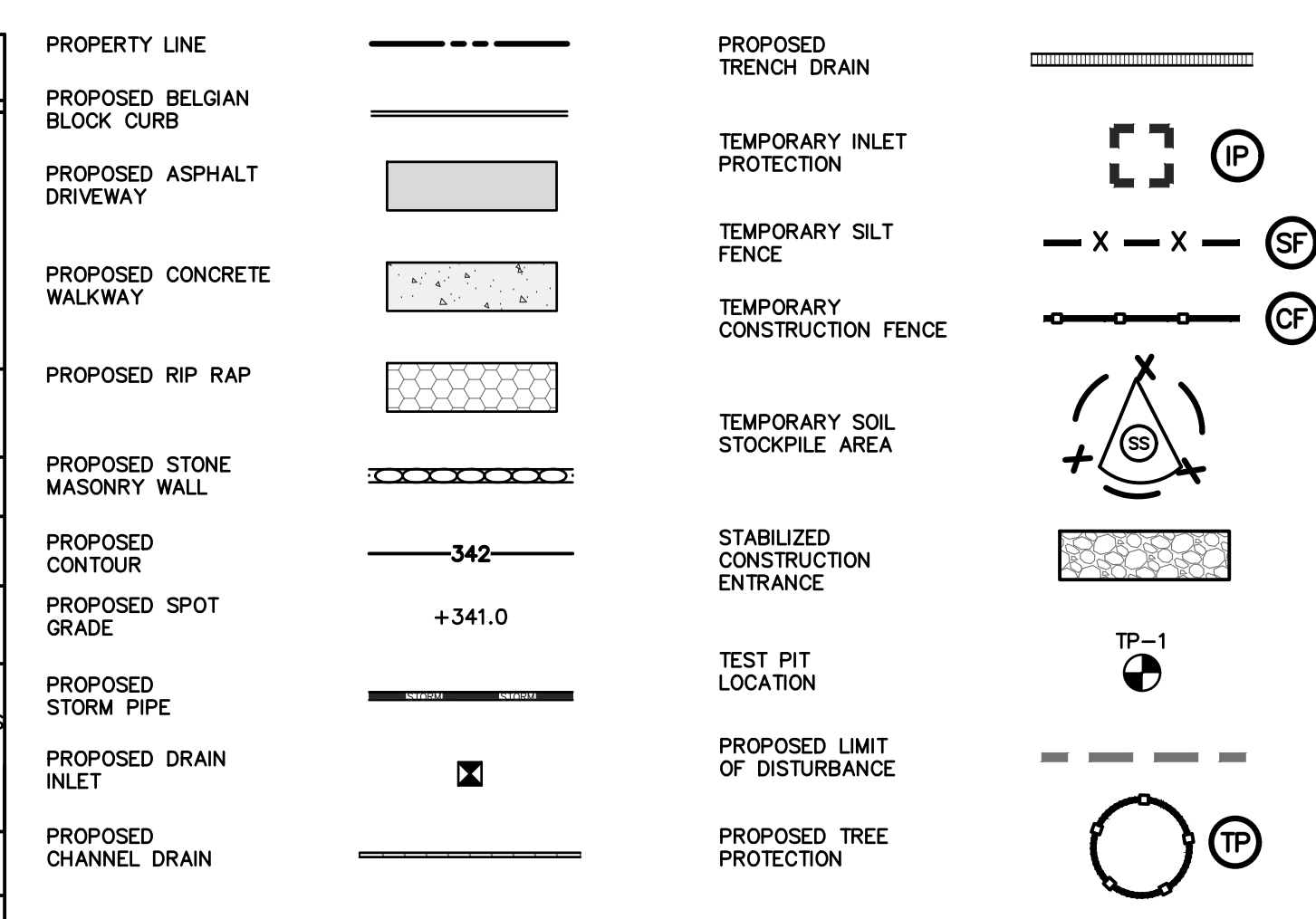


- GENERAL NOTES:**
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUPERVISION OF THE CONSTRUCTION.
  - NO CHANGES SHALL BE MADE TO THESE PLANS EXCEPT AS PER NYS LAW CHAPTER 987.
  - ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO A.C.I., A.S.C., ZONING, AND 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 TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
  - ADJACENT PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, REMODELING AND DEMOLITION. 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 ADJACENT BUILDINGS ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJACENT 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 DEMOLITION MAINTAINED BY HUDSON ENGINEERING & CONSULTING, P.C., SHALL BE EXCESS ONLY AND SHALL NOT BE CALLED UPON TO CONTRIBUTE WITH THIS INSURANCE. 150 ADDITIONAL INSURED ENDORSEMENT FORM NUMBER CG2010 1185 WATER DAMAGE POLICY 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.

**EARTHWORK ANALYSIS**

CUT	FILL	NET
1651.45 CU. YD.	4153.89 CU. YD.	2502.44 CU. YD. <FILL>

**LEGEND**



**SCHEDULE OF TEMPORARY EROSION CONTROL MEASURES:**

MEASURE	DATES FOR USE	TIMING, ACTIVITY, AND LOCATION
SOIL/STOCKPILE AREAS	ALL	ALL SOIL AND SHOT ROCK STRIPPED FROM THE CONSTRUCTION AREA DURING GRUBBING AND MASS GRADING SHALL BE STOCKPILED IN LOCATIONS SHOWN ON THE PLANS. BY THE END OF THE CASE SHALL THEY BE PLACED WITHIN 100' OF A WETLAND OR WATERCOURSE. THE STOCKPILED SOILS SHALL BE RE-USED DURING FINISH-GRADING TO PROVIDE A SUITABLE GROWING MEDIUM FOR PLANT ESTABLISHMENT. SOIL STOCKPILES SHALL BE PROTECTED FROM EROSION BY VEGETATING THE STOCKPILE WITH RAPIDLY GERMINATING GRASS SEED (DURING THE MAY 1ST - OCTOBER 30TH) PLANTING SEASON OR COVERING THE STOCKPILE WITH TARPULAIN THE REMAINDER OF THE YEAR. INSTALL SILT FENCE AROUND TONE OF SLOPE.
SILT FENCE	ALL	SILT FENCE (GEO-TEXTILE FILTER CLOTH) SHALL BE PLACED IN LOCATIONS DEPICTED ON THE APPROVED PLANS. THE PURPOSE OF THE SILT FENCE IS TO REDUCE THE VELOCITY OF SEDIMENT LADEN STORMWATER FROM SMALL DRAINAGE AREAS AND TO INTERCEPT THE TRANSPORTED SEDIMENT LOAD. IN GENERAL, SILT FENCE SHALL BE USED AT THE TOE OF SLOPES OR INTERMEDIATELY WITHIN SLOPES WHERE OBVIOUS CHANNEL CONCENTRATION OF STORMWATER IS NOT PRESENT.  SILT FENCING SHALL BE INSPECTED AT A MINIMUM OF ONCE PER WEEK AND PRIOR TO AND WITHIN 24 HOURS FOLLOWING A RAIN EVENT 1/4" OR GREATER. INSPECTIONS SHALL INCLUDE ENSURING THAT THE FENCE MATERIAL IS TIGHTLY SECURED TO THE WOODEN POSTS AND THE WIRE IS SECURED TO THE WOOD POSTS. IN ADDITION, OVERLAPPING FILTER FABRIC SHALL BE SECURED AND THE FABRIC SHALL BE MAINTAINED A MINIMUM OF SIX (6) INCHES BELOW GRADE. IN THE EVENT THAT ANY 'BULGES' DEVELOP IN THE FENCE, THAT SECTION OF FENCE SHALL BE REPLACED WITHIN 24 HOURS WITH NEW FENCE SECTION. ANY SEDIMENT BUILD-UP AGAINST THE FENCE SHALL BE REMOVED WITHIN 24 HOURS AND DEPOSITED ON-SITE A MINIMUM OF 100 FEET OUTSIDE OF ANY WETLAND OR WATERCOURSE.
INLET PROTECTION (STONE & BLOCK DROP INLET PROTECTION)	ALL	IN ORDER TO PROTECT THE RECEIVING WATERS FROM SEDIMENTATION, THE CONTRACTOR SHALL INSTALL STONE AND BLOCK INLET PROTECTION FOR ALL EXISTING AND PROPOSED INLETS AS SHOWN ON THE PLANS. ONCE INSTALLED, 1/2" INCH STONE AGGREGATE SHALL BE INSTALLED AROUND THE PERIMETER OF ALL CATCH BASINS AND INLETS. THE BAGGING OR ILLUSTRATED ON THE APPROVED PLANS. THIS BARRIER WILL ALLOW STORMWATER TO BE FILTERED PRIOR TO REACHING THE BASIN INLET GRADE.  THE STONE AGGREGATE SHALL BE INSPECTED WEEKLY PRIOR TO AND WITHIN 24 HOURS FOLLOWING A RAIN EVENT 1/4" OR GREATER. CARE SHALL BE TAKEN TO ENSURE THAT ALL STONE AGGREGATE IS PROPERLY LOCATED AND SECURE AND DO NOT BECOME DISPLACED. THE STONE AGGREGATE SHALL BE INSPECTED FOR ACCUMULATED SEDIMENTS AND ANY ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE DEVICE AND DEPOSITED NOT LESS THAN 100 FEET FROM WETLAND OR WATERCOURSE.
INLET PROTECTION (SILTSACK)	ALL	IN ORDER TO PROVIDE ADDITIONAL PROTECTION FOR THE RECEIVING WATERS FROM SEDIMENTATION AND TURBIDITY, THE CONTRACTOR SHALL INSTALL A SILTSACK SEDIMENT CAPTURE DEVICE ON ALL EXISTING AND PROPOSED INLETS AS SHOWN ON THE PLANS. THIS DEVICE SHOULD BE INSTALLED IN ADDITION TO THE STONE & BLOCK DROP INLET PROTECTION. THIS BARRIER WILL PROVIDE ADDITIONAL FILTERING OF THE STORMWATER RUNOFF PRIOR TO BEING DISCHARGED FROM THE CATCH BASIN.  WHEN THE RESTRAINT CORD IS NO LONGER VISIBLE, THE SILTSACK IS FULL AND SHOULD BE EMPLOYED. TO REMOVE SILTSACK, TAKE TWO PIECES OF 1" DIAMETER REBAR AND PLACE THROUGH THE LIFTING LOOPS ON EACH SIDE OF THE SACK TO FACILITATE THE LIFTING OF SILTSACK TO EMPTY SILTSACK PLACE UNIT WHERE THE MULCH WILL BE COLLECTED. PLACE THE REBAR THROUGH THE LIFT STRAPS (CONNECTED TO THE BOTTOM OF THE SACK) AND LIFT. THIS WILL LIFT SILTSACK FROM THE BOTTOM AND EMPTY THE CONTENTS. CLEAN OUT AND RINSE. RETURN SILTSACK TO ITS ORIGINAL SHAPE AND PLACE BACK IN THE BASIN. ONCE THE CONSTRUCTION CYCLE IS COMPLETE, REMOVE SILTSACK FROM THE BASIN AND CLEAN. SILTSACK SHOULD BE STORED OUT OF SUNLIGHT UNTIL NEXT USE. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE DEVICE AND DEPOSITED NOT LESS THAN 100 FEET FROM WETLAND OR WATERCOURSE.
DUST CONTROL	ALL	DURING DRY WEATHER, FOR AREAS OF EXPOSED SOIL WHERE IT IS NOT FEASIBLE TO ESTABLISH TEMPORARY GROUND COVER DUE TO CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL WET AREAS WITH WATER AT LEAST TWICE A DAY IN ORDER TO CONTROL DUST. THE MOISTENING OF SUCH AREAS MAY BE INCREASED TO FOUR TIMES A DAY DURING PERIODS OF LITTLE RAIN AS DETERMINED BY THE ENGINEER AND/OR THE CONTRACTOR.

**SCHEDULE OF PERMANENT EROSION CONTROL MEASURES:**

MEASURE	DATES FOR USE	TIMING, ACTIVITY, AND LOCATION
TEMPORARY SEEDING	ALL	IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN FOURTEEN (14) DAYS FROM THE DATE THE CURRENT SOIL DISTURBANCE ACTIVITY CEASED. FOR CONSTRUCTION SITES THAT DIRECTLY DISCHARGE TO ONE OF THE 303(D) SEWERS LISTED IN APPENDIX C OF GP-015-002, OR LOCATED IN ONE OF THE WATERSHEDS LISTED IN APPENDIX C OF GP-015-002, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN SEVEN (7) DAYS FROM THE DATE THE AMBIENT TEMP. SOIL DISTURBANCE ACTIVITY CEASED. WHEN ACTIVITIES TEMPORARILY CEASE DURING CONSTRUCTION, SOIL STOCKPILES AND EXPOSED SOIL SHOULD BE STABILIZED BY SEED, MULCH OR OTHER APPROPRIATE MEASURES.
MULCH	APRIL 1 - NOVEMBER 30	SEED THE AREA WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (APPROXIMATELY 0.7 LB./1000 SQ. FT. OR USE 1 LB./1000 SQ. FT.).
WINTER MULCH	DECEMBER 1 - MARCH 31	SEED THE AREA WITH CERTIFIED AROOSTOOK WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (2.5 LBS./1000 SQ. FT.).
INSPECTIONS	UNTIL SITE IS PERMANENTLY STABILIZED	ON ALL AREAS OF EXPOSED SOIL WHICH WILL NOT BE DISTURBED AGAIN WITHIN 7 DAYS, APPLY AT A RATE OF 1.5 TO 2.0 TONS PER ACRE. EROSION CONTROL BLANKET MAY BE USED AS A SUBSTITUTE FOR WINTER MULCH.
PERMANENT SEEDING	APRIL 15 TO SEPT. 15	ON FINAL GRADE AREAS, WITHIN 10 DAYS OF FINAL GRADE PREPARATION, PREPARE TOPSOIL, FOLLOWED WITH SEEDING AND MULCH APPLICATION. PERMANENT VEGETATION MUST BE SEEDING OR SOODED ON ALL EXPOSED AREAS. MULCH MUST BE USED AS NECESSARY FOR PROTECTION, UNTIL SEEDING IS ESTABLISHED.  SEED THE AREA WITH CREEPING RED FESCUE (ENSYLVA, PENNLANM, BOREAL) AT A RATE OF 10 LBS. PER ACRE (0.25 LB./1000 SQ. FT.), AND PERENNIAL RYEGRASS (PENNFINE, LINN) AT A RATE OF 10 LBS. PER ACRE (0.25 LB./1000 SQ. FT.).
DORMANT SEEDING	SEPT. 16 TO APRIL 15	ON FINAL GRADE AREAS, WITH PREPARED TOPSOIL, APPLY SEED AT DOUBLE THE SPECIFIED RATE, ON BARE SOIL, AND FOLLOW WITH AN APPLICATION OF WINTER MULCH.  SEED THE AREA WITH CREEPING RED FESCUE (ENSYLVA, PENNLANM, BOREAL) AT A RATE OF 10 LBS. PER ACRE (0.25 LB./1000 SQ. FT.), AND PERENNIAL RYEGRASS (PENNFINE, LINN) AT A RATE OF 10 LBS. PER ACRE (0.25 LB./1000 SQ. FT.).
GROUND COVER, TREES, SHRUBS	APRIL 15 TO NOV. 1	INSTALL WITH FINAL LANDSCAPING.
PERMANENT MULCH	ALL	INSTALL WITH FINAL LANDSCAPING.

**DEEP TEST HOLE INVERT (TABULAR FORMAT)**

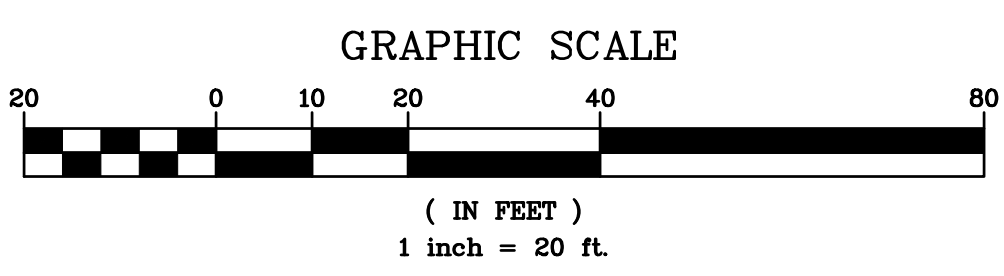
Test Hole#	Grade	Stormwater Practice Invert	Ledge / Groundwater
1	341.8	337.0*	>334.4
2	333.6	329.0	>325.6
3	325.0	N/A	>317
4	329.6	N/A	325.6
5	328.8	N/A	323.8
6	338.2	N/A	336.3
7	327.7	325.7**	323.4
8	332.3	N/A	330.8
9	330.3	N/A	327.7

\*12" of Gravel beneath system is not utilized in design  
\*\*9" of Gravel beneath system is not utilized in design

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

ANY ALTERATIONS OR REVISIONS OF THESE PLANS, UNLESS DONE BY OR UNDER THE DIRECTION OF THE NYS LICENSED AND REGISTERED ENGINEER THAT PREPARED THEM, IS A VIOLATION OF THE NYS EDUCATION LAW.

EXISTING INFORMATION SHOWN HEREON PROVIDED BY RONALD PERSAUD, L.S. LAND SURVEYOR DATED FEBRUARY 9, 2022



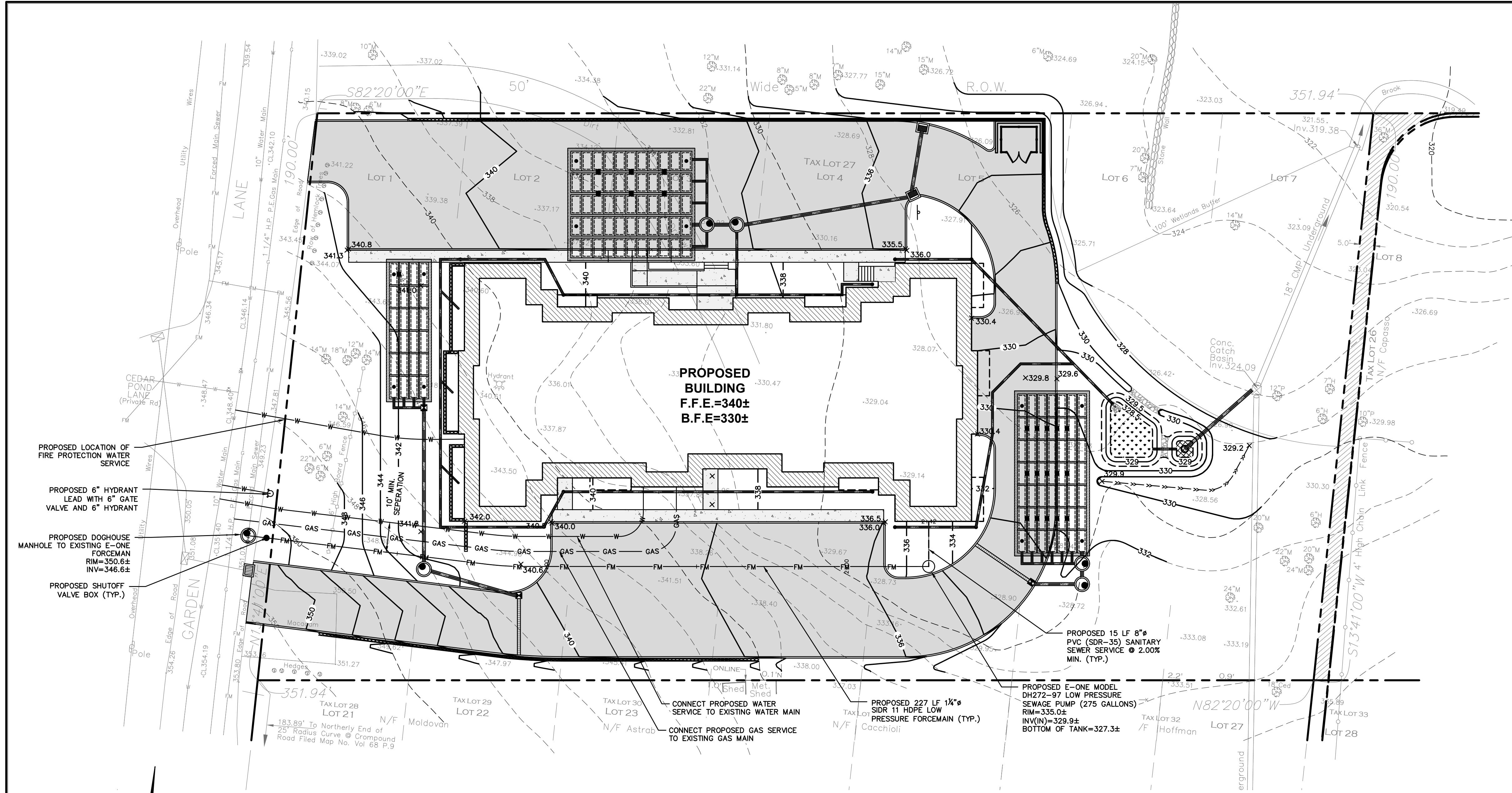
PROJECT: GARDEN LANE APARTMENTS TOWN OF YORKTOWN WESTCHESTER COUNTY - NEW YORK

STORMWATER MANAGEMENT PLAN

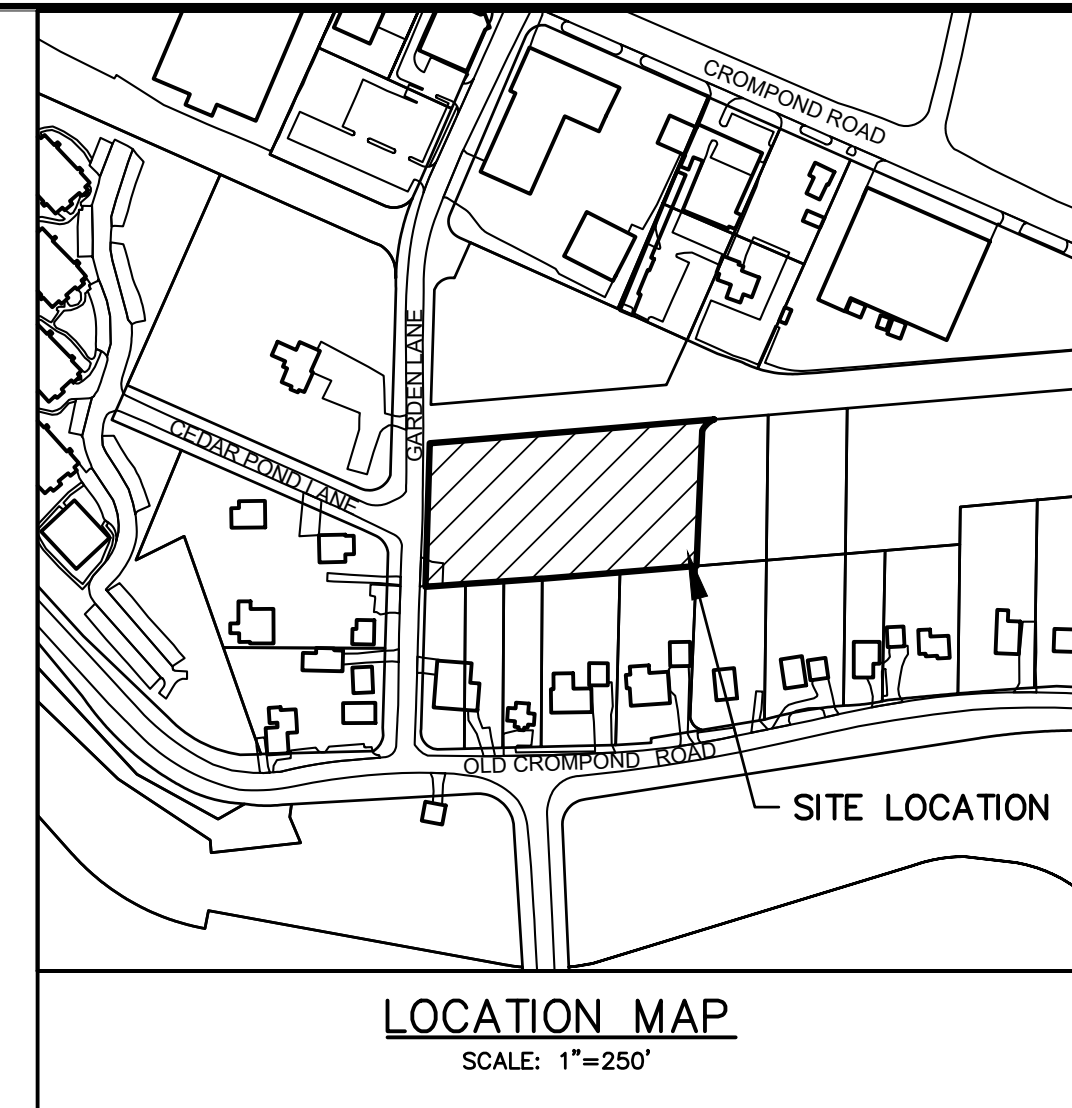
**HUDSON ENGINEERING CONSULTING, P.C.**  
45 Knollwood Road - Suite 201  
Elmsford, New York 10523  
T: 914-809-0420  
F: 914-560-2086

Date: 07/27/23 Sheet: 3 of 3  
Scale: 1" = 20'  
Designed By: O.Y.  
Checked By: M.S.  
Sheet No. C-3

STATE OF NEW YORK  
MICHAEL J. STEIN  
LICENSED PROFESSIONAL ENGINEER  
No. 60651



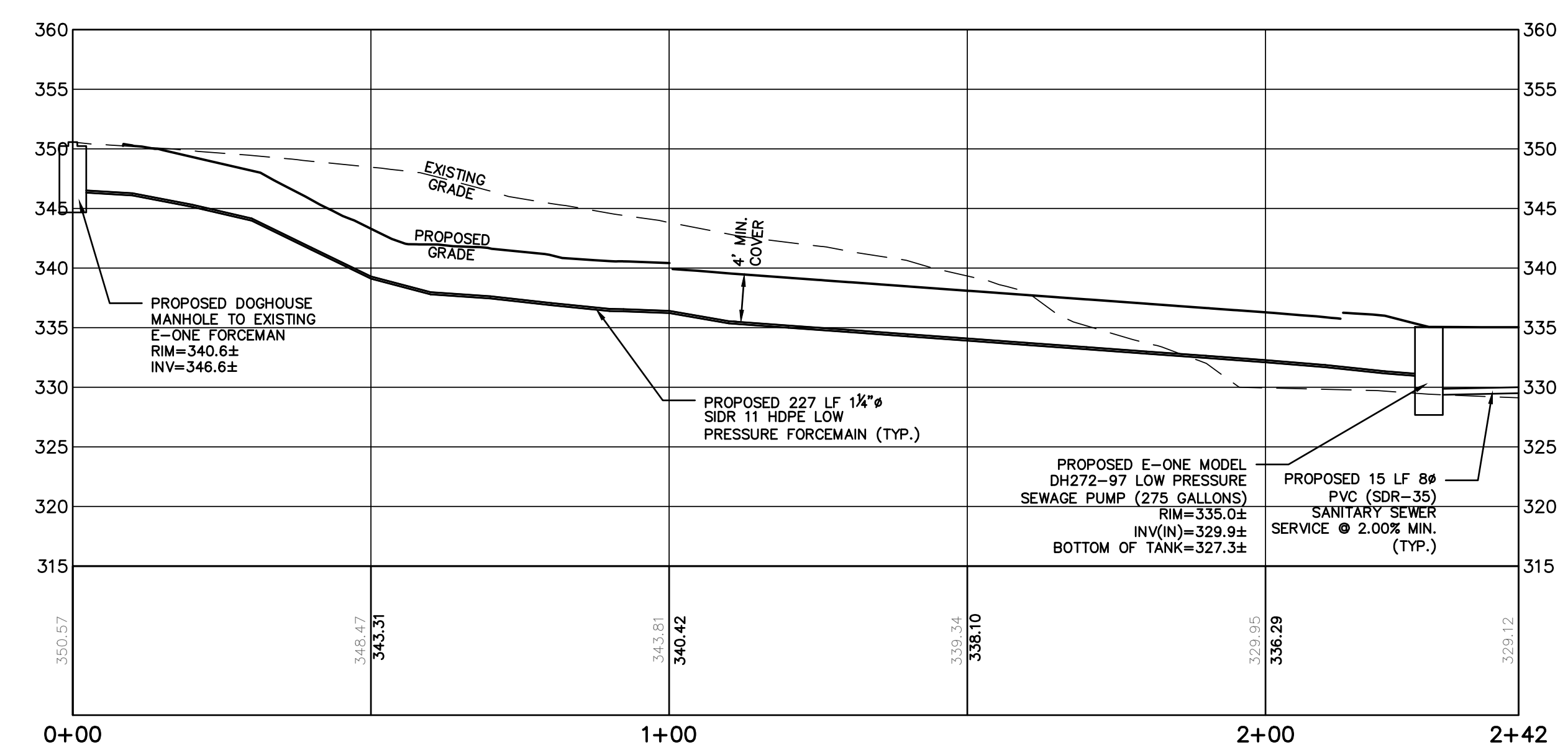
- TEST HOLE DATA:**
- TEST HOLE #1  
DEPTH = 88"  
0-6" ORGANIC SOILS  
6-30" FINE BROWN SANDY LOAM, VERY ROCKY  
30-86" COMPACTED SANDY LOAM, VERY ROCKY  
NO GROUNDWATER  
NO LEDGE ROCK  
PERC. = 2.5 INCHES/HOUR
  - TEST HOLE #2  
DEPTH = 96"  
0-12" ORGANIC SOILS  
12-49" FINE BROWN SANDY LOAM  
49-96" MIXED SANDS W/ SMALL ROCKS  
NO GROUNDWATER  
NO LEDGE ROCK  
PERC. = 120 INCHES/HOUR
  - TEST HOLE #3  
DEPTH = 96"  
0-12" ORGANIC SOILS  
12-36" FINE BROWN SANDY LOAM  
36-96" COMPACT SANDY LOAM  
NO GROUNDWATER  
NO LEDGE ROCK  
PERC. = 102.92 INCHES/HOUR
  - TEST HOLE #4  
DEPTH = 55"  
0-12" FILL/GRAVEL  
12-55" SANDY SILT W/ ROCKS  
GROUNDWATER @ 45"  
NO LEDGE ROCK
  - TEST HOLE #5  
DEPTH = 75"  
0-12" ORGANIC SOILS  
12-75" SANDY SILT, VERY ROCKY  
GROUNDWATER @ 60"  
NO LEDGE ROCK
  - TEST HOLE #6  
DEPTH = 96"  
0-12" ORGANIC SOILS  
12-96" SILTY LOAM & CLAY  
GROUNDWATER @ 24"  
HIGH WATER @ 22"  
NO LEDGE ROCK  
= 60 INCHES/HOUR
  - TEST HOLE #7  
DEPTH = 84"  
0-12" ORGANIC SOILS  
12-48" SANDY LOAM  
48-84" SANDY CLAY  
GROUNDWATER @ 51"  
NO LEDGE ROCK  
= 19 INCHES/HOUR
  - TEST HOLE #8  
DEPTH = 96"  
0-12" ORGANIC SOILS  
12-96" SILTY LOAM & CLAY  
GROUNDWATER @ 18"  
NO LEDGE ROCK  
= 60 INCHES/HOUR
  - TEST HOLE #9  
DEPTH = 93"  
0-12" ORGANIC SOILS  
12-93" SILTY LOAM & CLAY  
GROUNDWATER @ 45"  
HIGH WATER @ 31"  
NO LEDGE ROCK  
= 60 INCHES/HOUR



- 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.I.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 CONTACT WITH THE CONTRACTOR.
  - SAFETY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL AGENCIES IN EFFECT DURING THE PERIOD OF CONSTRUCTION.
  - THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL MAKE APPLICATION TO RECEIVE ALL NECESSARY PERMITS TO PERFORM THE WORK UNDER CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE LICENSED TO DO ALL WORK AS REQUIRED BY THE LOCAL, COUNTY, AND STATE AGENCIES WHICH MAY HAVE JURISDICTION OVER THOSE TRADES, AND SHALL PRESENT THE OWNER WITH COPIES OF ALL LICENSES AND INSURANCE CERTIFICATES.
  - FINAL GRADING AROUND THE BUILDING AREA SHALL SLOPE AWAY FROM THE STRUCTURE.
  - ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
  - ADJOINING PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, REMODELING AND DEMOLITION WORK. PROTECTION MUST BE PROVIDED FOR FOOTINGS, FOUNDATIONS, PARTY WALLS, CHIMNEYS, SKYLIGHTS AND ROOFS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING AN EXCAVATION TO BE MADE SHALL PROVIDE WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJOINING BUILDING SHOULD BE PROTECTED. SAID NOTIFICATION SHALL BE DELIVERED NOT LESS THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF THE EXCAVATION.
  - OWNER SHALL INSURE THAT THE INSURANCE PROVIDED BY THE CONTRACTOR HIRED TO PERFORM THE WORK SHALL BE ENDORSED TO NAME HUDSON ENGINEERING & CONSULTING, P.C. AND ANY DIRECTORS, OFFICERS, EMPLOYEES, SUBSIDIARIES, AND AFFILIATES, AS ADDITIONAL INSURED ON ALL POLICIES AND HOLD HARMLESS DOCUMENTS, AND SHALL STIPULATE THAT THIS INSURANCE IS PRIMARY, AND THAT ANY OTHER INSURANCE OR 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 CG2010 1185 UNDER G.L. 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.

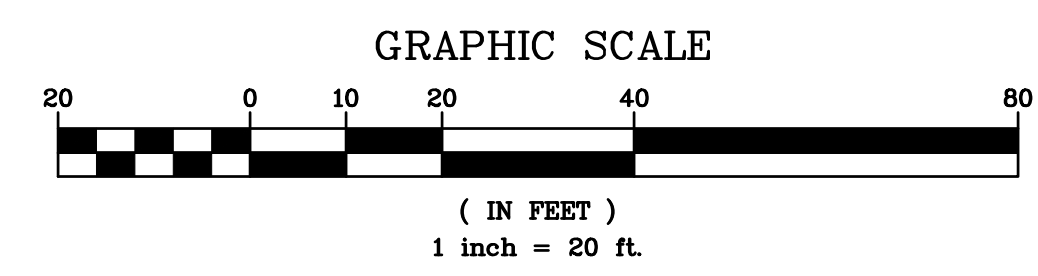
**LEGEND**

- PROPERTY LINE
- PROPOSED BELGIAN BLOCK CURB
- PROPOSED ASPHALT DRIVEWAY
- PROPOSED CONCRETE WALKWAY
- PROPOSED RIP RAP
- PROPOSED STONE MASONRY WALL
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- PROPOSED STORM PIPE
- PROPOSED DRAIN INLET
- PROPOSED CHANNEL DRAIN
- PROPOSED TRENCH DRAIN



PROFILE STA. 0+00 TO STA. 2+42  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'

EXISTING INFORMATION SHOWN HEREON PROVIDED BY RONALD PERSAUD, L.S. LAND SURVEYOR DATED FEBRUARY 9, 2022



4/12/23	7/12/23	7/12/23	7/12/23	7/12/23
2	2	2	2	2
1	1	1	1	1
1	1	1	1	1

THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEERS SEAL & SIGNATURE

PROJECT: GARDEN LANE APARTMENTS TOWN OF YORKTOWN WESTCHESTER COUNTY - NEW YORK

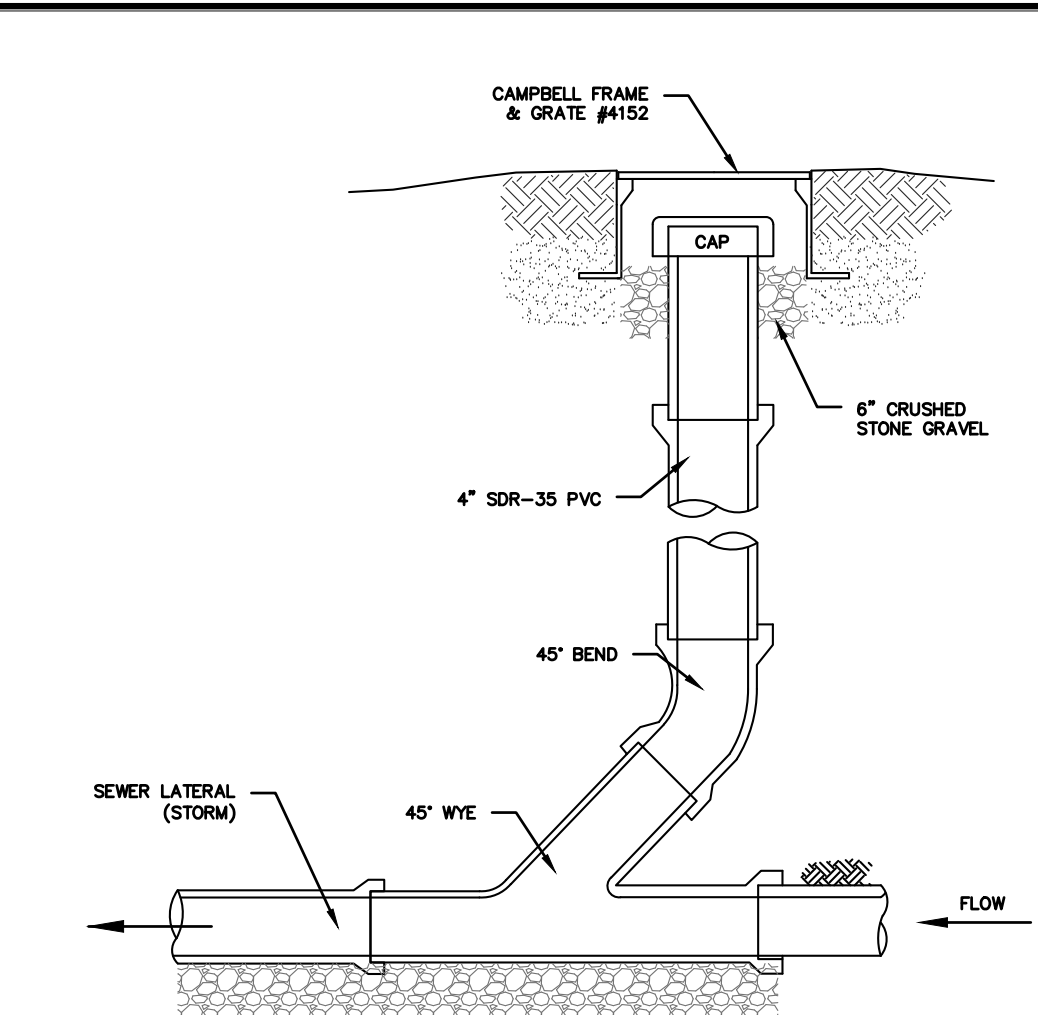
UTILITY PLAN

**HEC** HUDSON ENGINEERING CONSULTING, P.C.  
45 Knollwood Road - Suite 201 Elmstoft, New York 10523  
T: 914-809-0420 F: 914-560-2086 © 2022

State of New York License Professional Engineer No. 80651

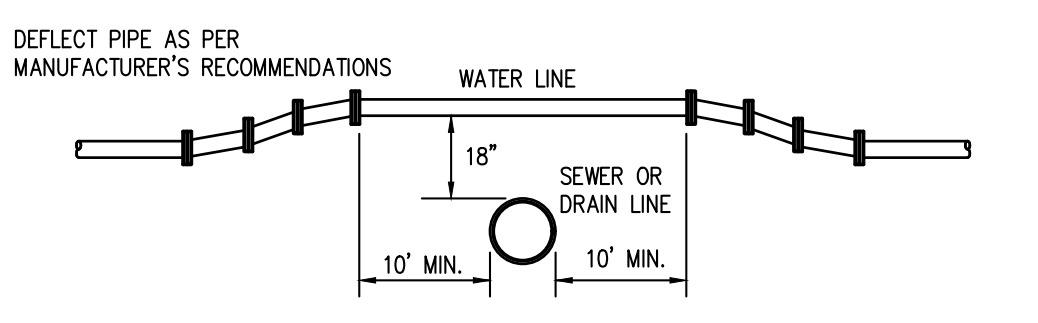
Date: 07/27/23 Sheet: 4 of 4  
Scale: 1" = 20'  
Designed By: D.Y.  
Checked By: M.S.  
Sheet No. C-4

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.



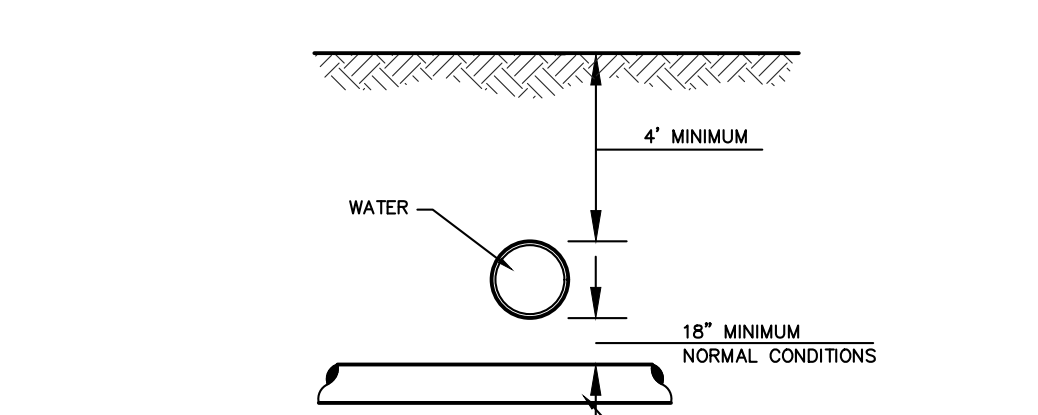
**NOTES (STORM SEWER)**  
 1. REFER TO PLAN FOR SPECIFIC PIPE SIZING AND SLOPE SPECIFICATIONS, HOWEVER, IN GENERAL, ALL STORM SEWER SERVICES TO BE 6" SCH. 40 @ 1.0% MINIMUM.  
 2. CLEANOUTS SHALL BE PLACED BEFORE SIGNIFICANT PIPE BEND LOCATIONS (I.E., JUNCTIONS, 90-DEGREE BENDS, ETC.) UNLESS A ROOF LEADER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

**SEWER CLEANOUT DETAIL (GRAVITY)**  
(STORM)



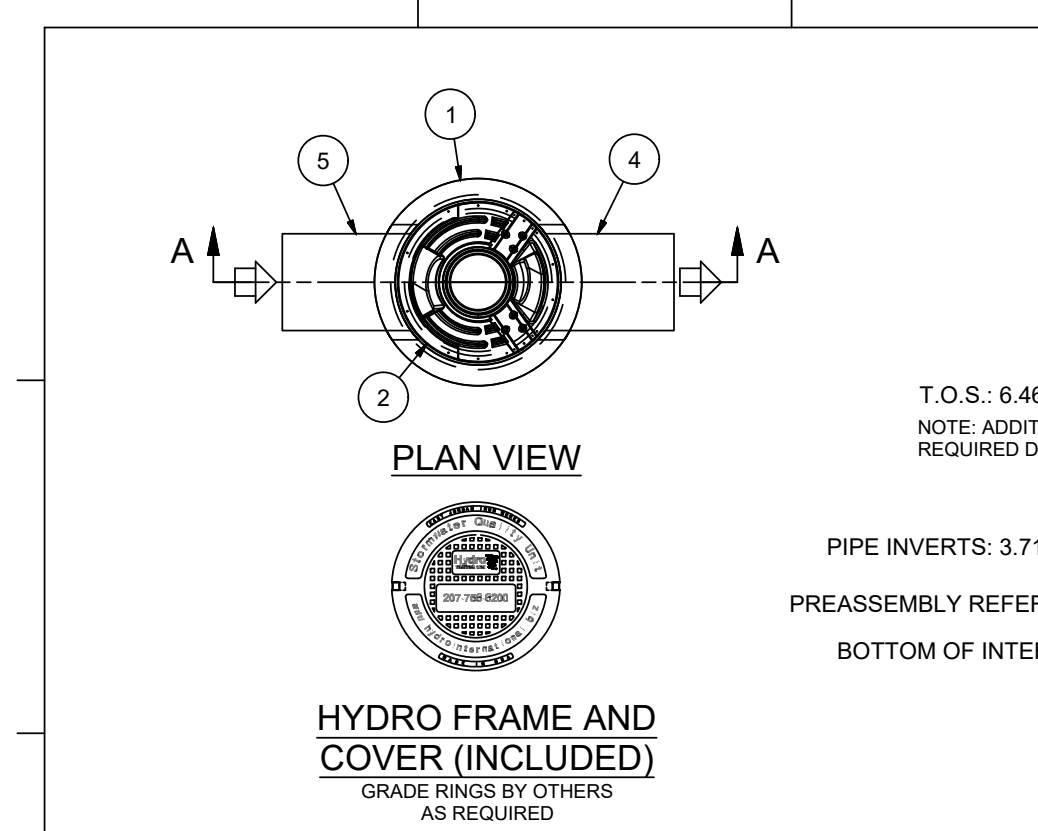
**NOTE:**  
 FOR ANY CONDITIONS OTHER THAN SHOWN ABOVE THE FOLLOWING REQUIREMENTS SHALL BE MET. THE JOINTS OF THE SANITARY SEWER OR STORM DRAIN SHALL BE A MINIMUM OF 10' FROM THE POINT OF CROSSING AND THE SANITARY SEWER SHALL BE CLASS 100 PRESSURE PIPE & THE STORM DRAIN SHALL BE DUCTILE IRON.

**CROSSING OF WATER LINE OVER SANITARY SEWER OR STORM DRAIN**



**UNUSUAL CONDITIONS**  
 WATER MAINS PASSING UNDER SEWERS SHALL HAVE A VERTICAL CLEARANCE OF 18" MIN. BETWEEN THE SEWER AND WATER MAIN AND THE SEWER SHALL BE SUPPORTED AS DIRECTED BY THE ENGINEER. TO THE EXTENT FEASIBLE, JOINTS IN THE WATER MAIN SHALL BE KEPT AS FAR AS POSSIBLE FROM THE SEWER. WHERE AN 18" SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, SEPARATE APPROVAL OF THE WESTCHESTER COUNTY HEALTH DEPARTMENT SHALL BE REQUIRED.

**SEPARATION OF WATER MAINS AND SEWER CROSSINGS**

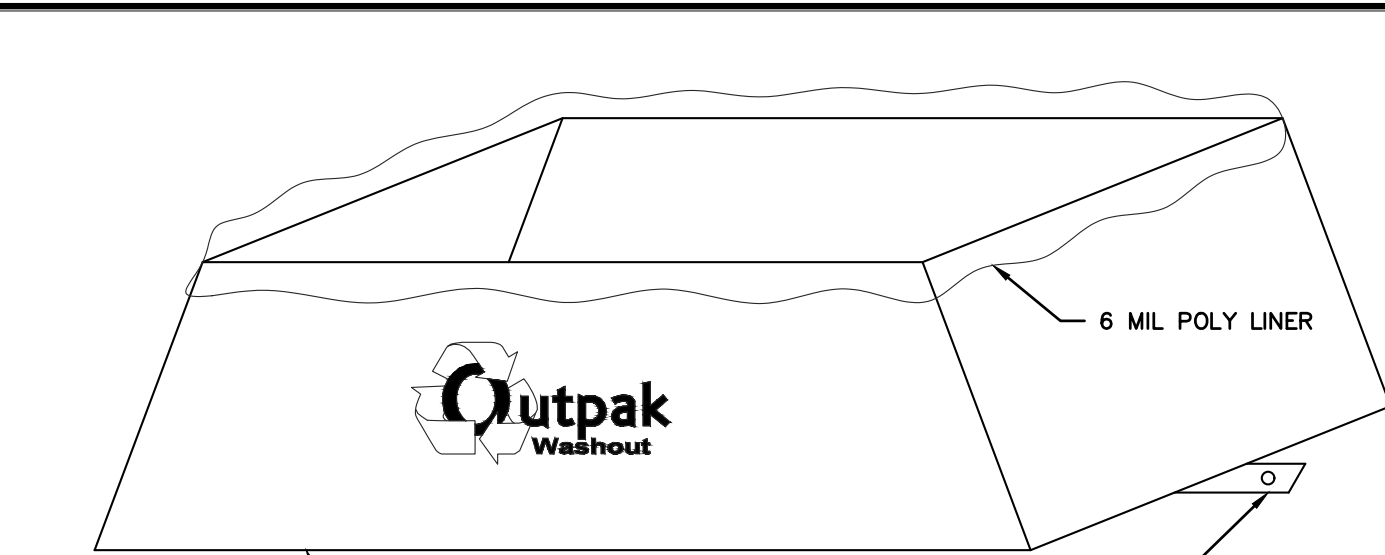


**SEPARATION OF WATER MAINS AND SEWER CROSSINGS**  
 1. GENERAL ARRANGEMENT DRAWINGS ONLY. CONTACT HYDRO INTERNATIONAL FOR SITE SPECIFIC DRAWINGS.  
 2. THE DIAMETER OF THE INLET AND OUTLET PIPES MAY BE NO MORE THAN 18".  
 3. MULTIPLE INLET PIPES POSSIBLE (REFER TO PROJECT PLAN).  
 4. INLET/OUTLET PIPE ANGLE CAN VARY TO ALIGN WITH DRAINAGE NETWORK (REFER TO PROJECT PLAN S).  
 5. PEAK FLOW RATE AND MINIMUM HEIGHT LIMITED BY AVAILABLE COVER AND PIPE DIAMETER.  
 6. LARGER SEDIMENT STORAGE CAPACITY MAY BE PROVIDED WITH A DEEPER SUMP DEPTH.

**PRODUCT SPECIFICATION:**

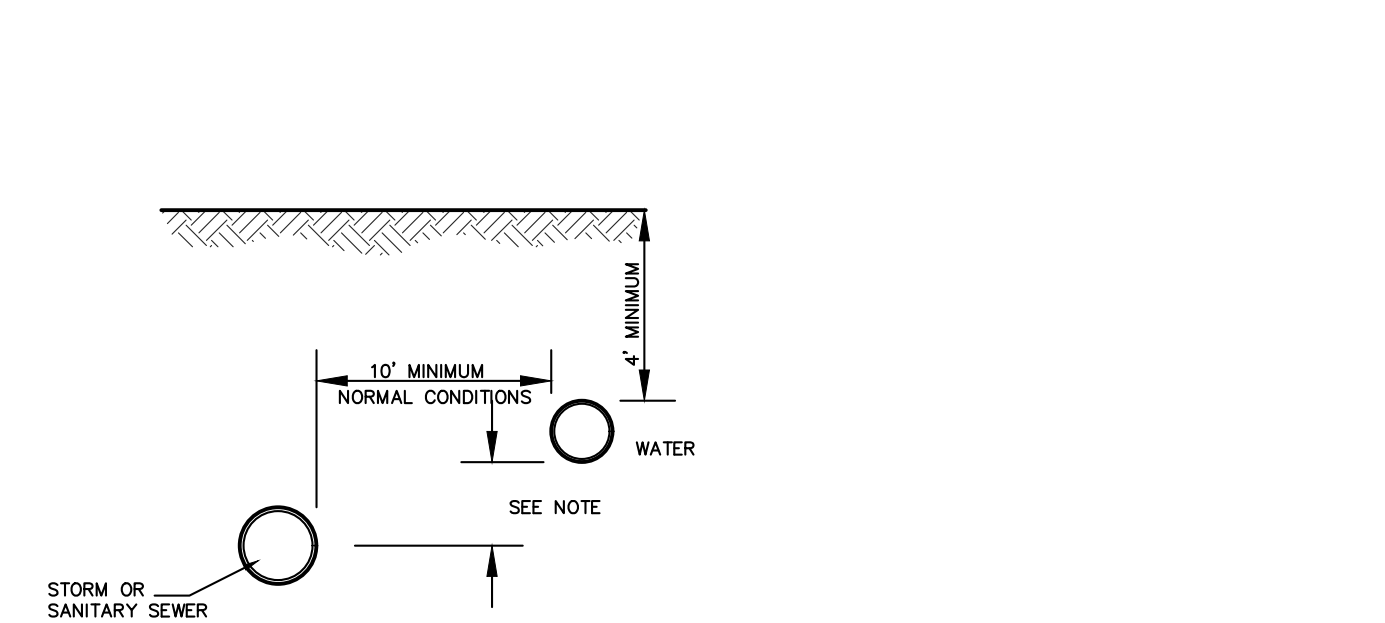
- PEAK HYDRAULIC FLOW: 15.0 cfs (424 l/s)
- MIN SEDIMENT STORAGE CAPACITY: 0.4 cu. yd. (0.3 cu. m.)
- OIL STORAGE CAPACITY: 125 gal. (473 liters)
- MAXIMUM INLET/OUTLET PIPE DIAMETERS: 18 in. (450 mm)
- THE TREATMENT SYSTEM SHALL USE AN INDUCED VORTEX TO SEPARATE POLLUTANTS FROM STORMWATER RUNOFF.
- FOR MORE PRODUCT INFORMATION INCLUDING REGULATORY ACCEPTANCES, PLEASE VISIT <https://hydro-int.com/en/products/first-defense>

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



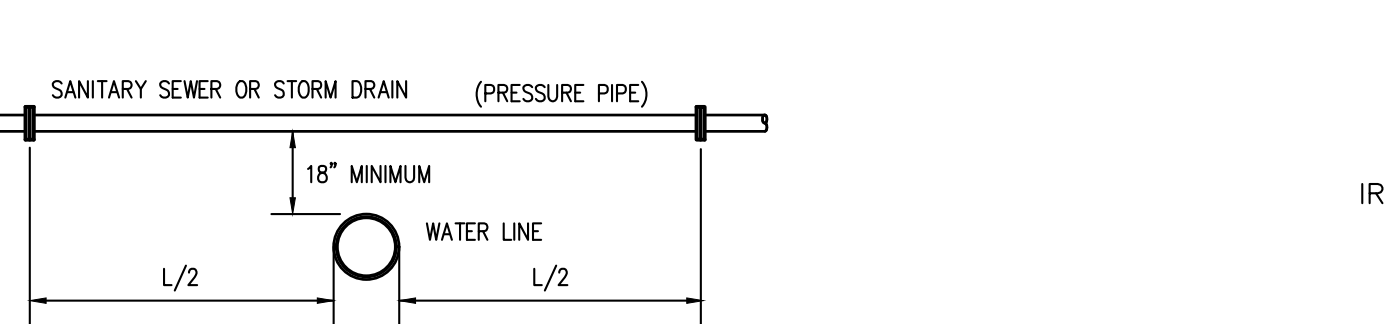
**NOTES:**  
 1. THE WASHOUT SHALL BE INSTALLED PRIOR TO USING MATERIALS THAT REQUIRE WASHOUT ON THIS PROJECT.  
 2. AS NECESSARY, SIGNS SHALL BE PLACED THROUGHOUT THE SITE TO INDICATE THE LOCATION OF THE WASHOUT.  
 3. THE WASHOUT AREA WILL BE REPLACED AS NECESSARY TO MAINTAIN CAPACITY FOR LIQUID WASTE.  
 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**



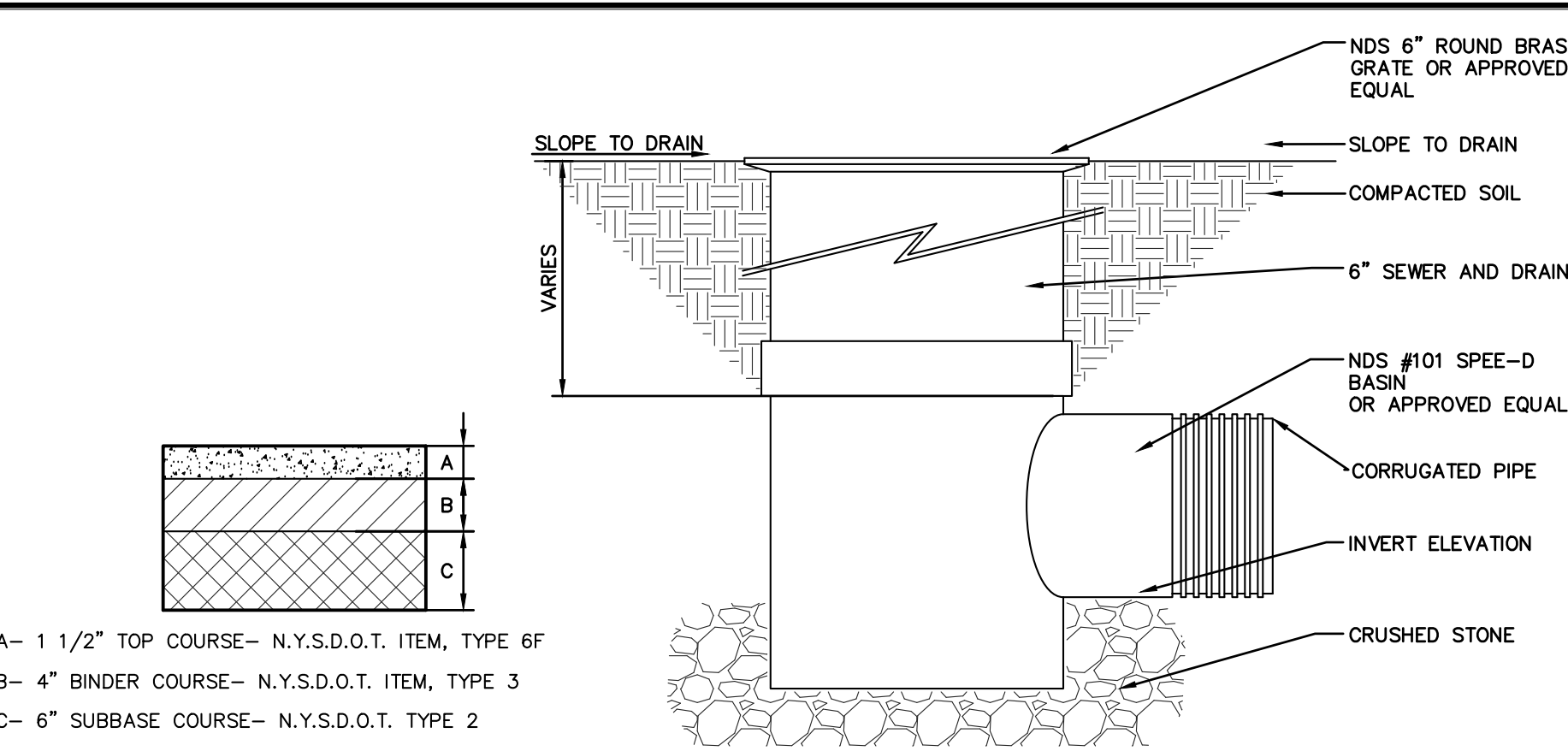
**NOTE:**  
 WHERE A 10' HORIZONTAL SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, THE VERTICAL CLEAR DISTANCE SHALL BE A MINIMUM OF 18" HOWEVER, AN EXCEPTION TO THE 10' MINIMUM HORIZONTAL SEPARATION REQUIRES SEPARATE APPROVAL OF THE WESTCHESTER COUNTY HEALTH DEPT.

**SEPARATION OF WATER MAINS AND SEWERS - PARALLEL INSTALLATION**



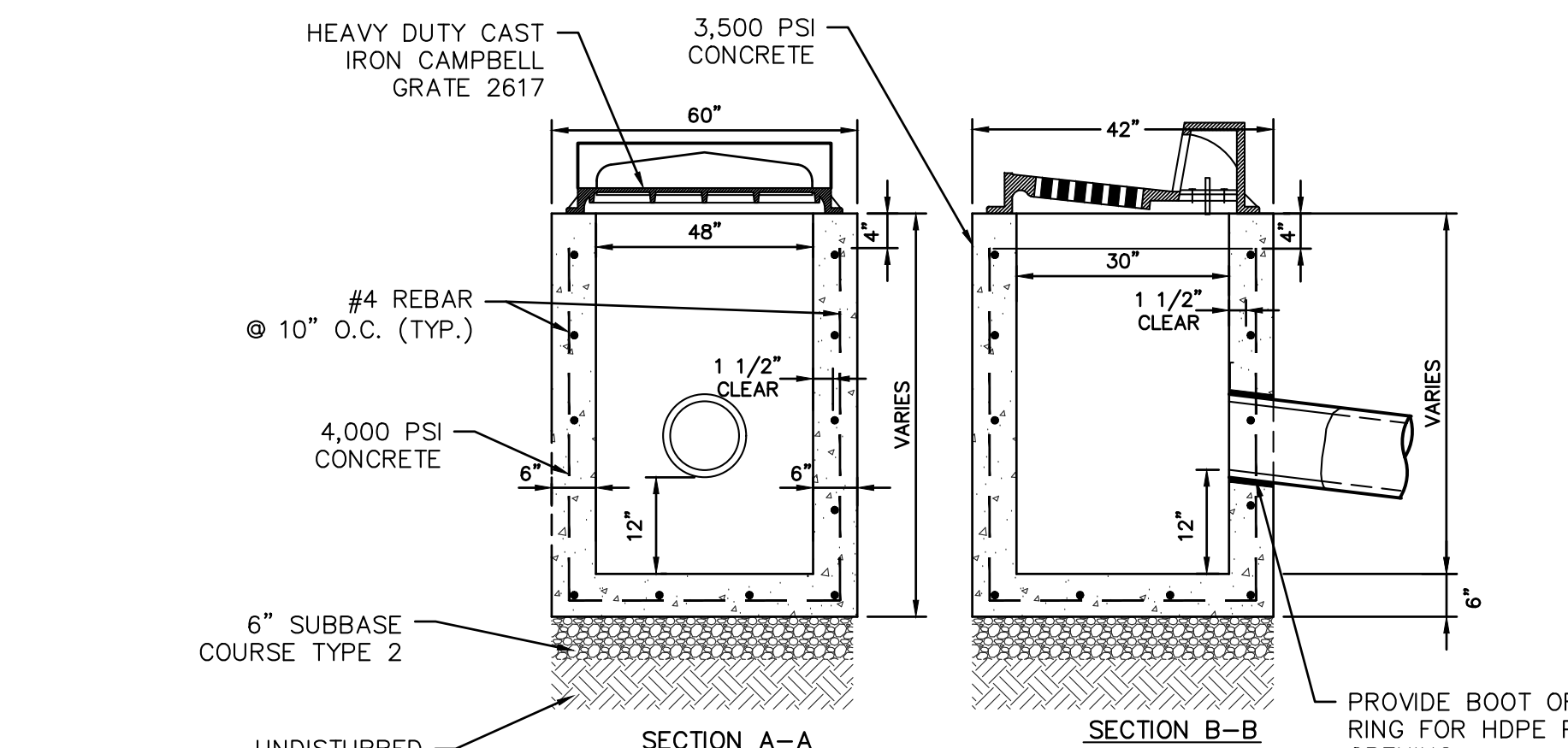
**NOTE:**  
 WHERE WATER LINE PASSES BENEATH SEWER LINE OR STORM DRAIN, THE JOINTS OF THE PIPE SHALL BE A MIN. OF 10' FROM THE POINT OF CROSSING AND THE SANITARY SEWER SHALL BE CLASS 100 PRESSURE PIPE & THE STORM DRAIN SHALL BE DUCTILE IRON PIPE.

**CROSSING OF WATER LINE UNDER SANITARY SEWER OR STORM DRAIN**



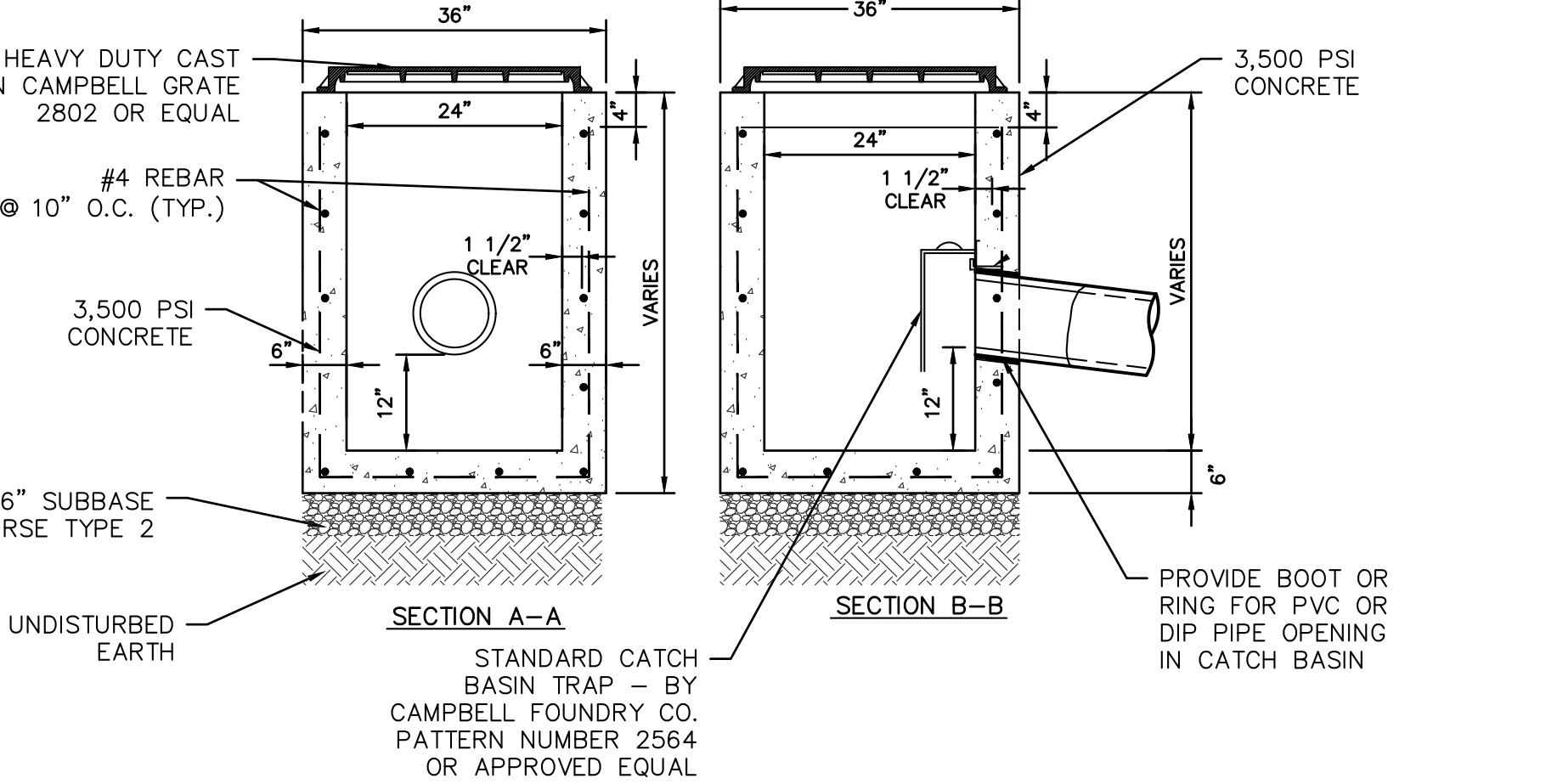
**SITE PAVEMENT SECTION**  
 A- 1 1/2" TOP COURSE - N.Y.S.D.O.T. ITEM, TYPE 6F  
 B- 4" BINDER COURSE - N.Y.S.D.O.T. ITEM, TYPE 3  
 C- 6" SUBBASE COURSE - N.Y.S.D.O.T. TYPE 2

**NDS SPEE-D BASIN (STAIR DRAIN)**



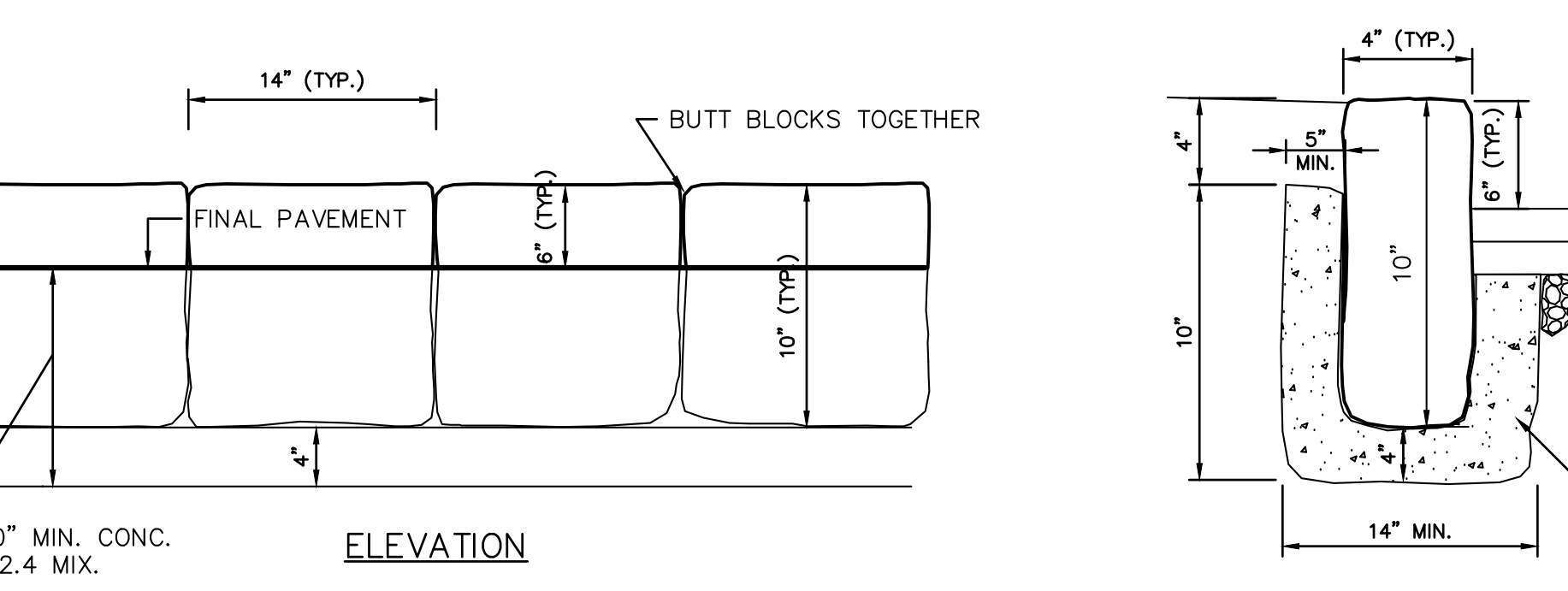
**PRECAST CATCH BASIN**

**NOTES:**  
 1. CONCRETE - 4,000 PSI MINIMUM STRENGTH @ 28 DAYS  
 2. STEEL REINFORCEMENT - ASTM A-615, # 4 REBAR, GRADE 60  
 3. COVER TO STEEL - 1 1/2" MINIMUM  
 4. DESIGN LOADING - AASHTO HS20-44  
 5. EARTH COVER - 0 TO 5 FEET  
 6. CONSTRUCTION JOINT - LAPPED



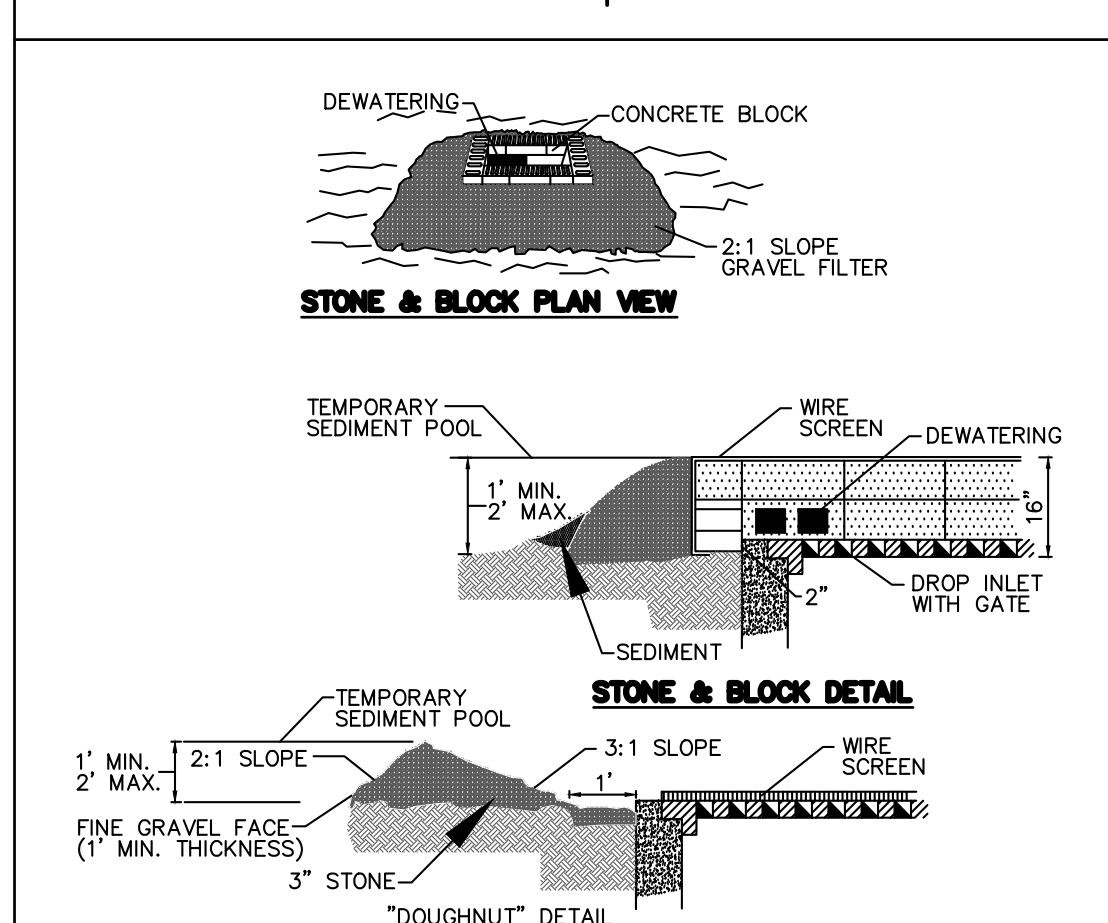
**PRECAST DRAIN INLET**

**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" MINIMUM  
 4. DESIGN LOADING - AASHTO HS20-44  
 5. EARTH COVER - 0 TO 5 FEET  
 6. CONSTRUCTION JOINT - LAPPED



**BELGIUM BLOCK CURB DETAIL**

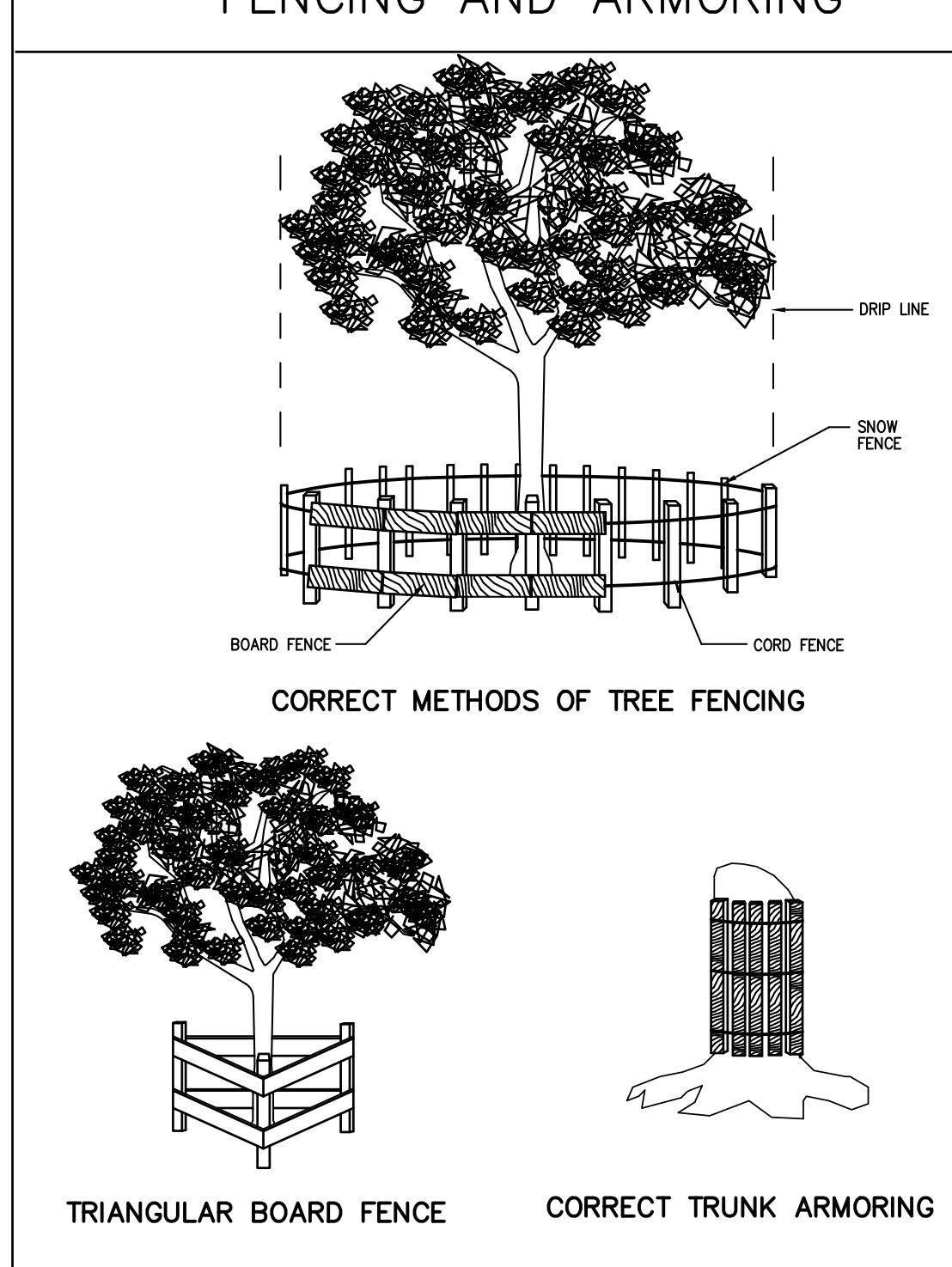
**Stone & Block Drop Inlet Protection**



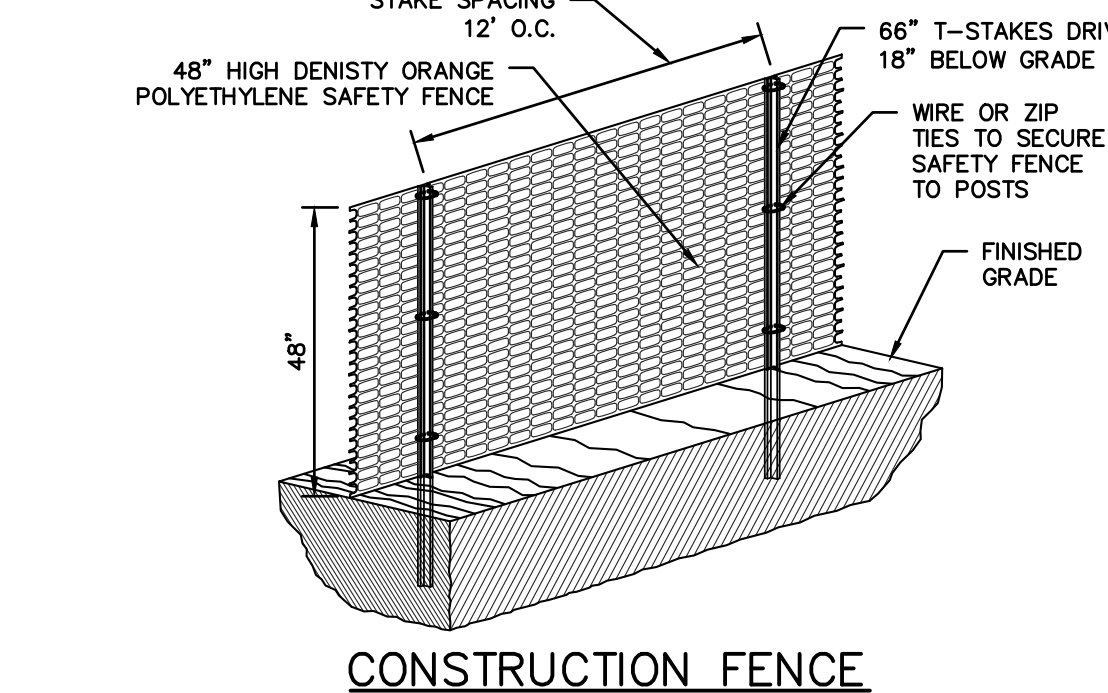
**STONE & BLOCK DETAIL**

**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**

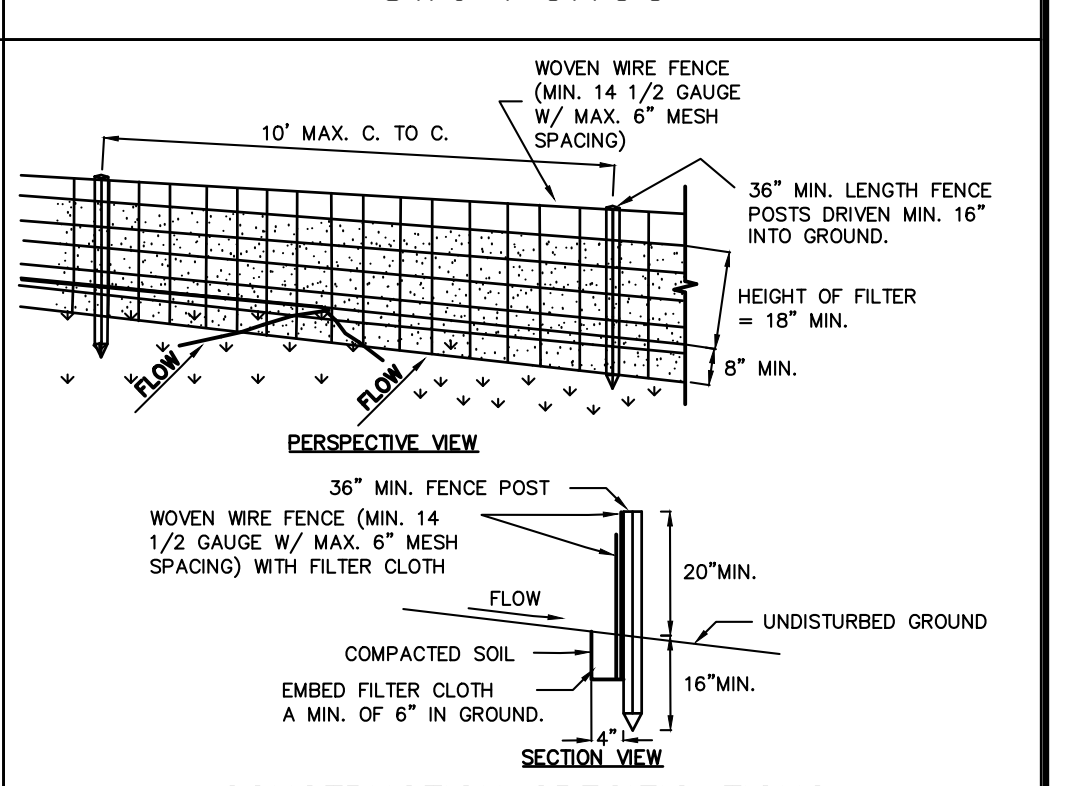


**CORRECT METHODS OF TREE FENCING**



**CONSTRUCTION FENCE**

**Silt Fence**

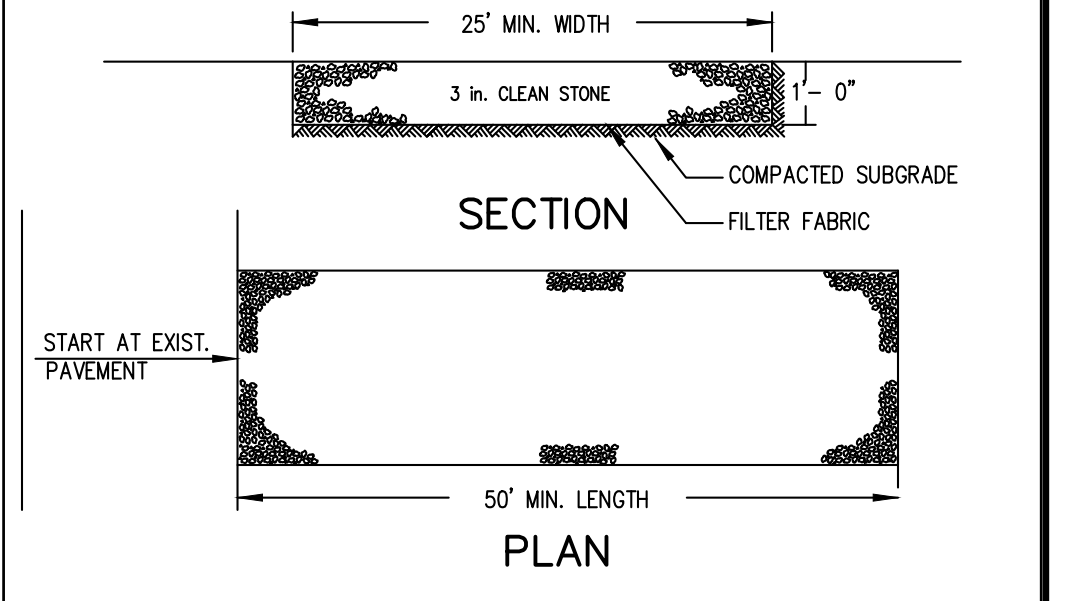


**CONSTRUCTION SPECIFICATIONS**

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "1" OR "1 1/2" TYPE OR HARDWOOD.  
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.  
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA 1140N, OR APPROVED EQUIVALENT.  
 4. PREFABRICATED UNITS SHALL BE GEOPAF, ENVIROFENCE, OR APPROVED EQUIVALENT.  
 5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

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

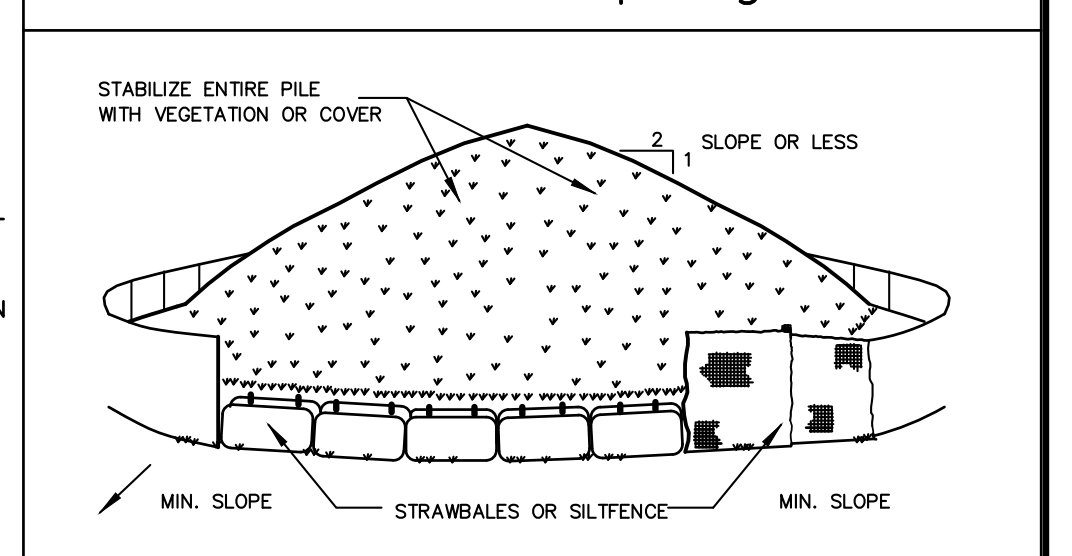
**Stabilized Construction Entrance**



**INSTALLATION NOTES:**

1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.  
 2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 30 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 LAYING 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 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.

**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 STRAIGHTS 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.

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.

**PROJECTION**

**IF IN DOUBT ASK**

COMMENTS:  
 1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.  
 2. CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING FIRST DEFENSE MANHOLE.  
 3. CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE NOTED

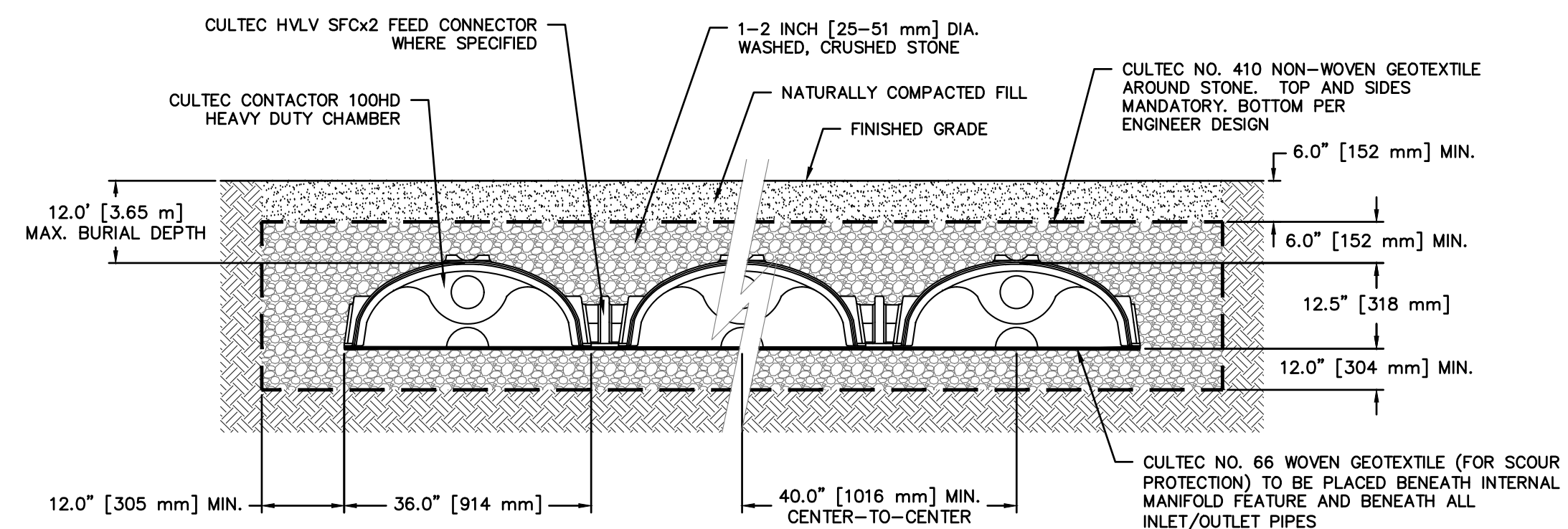
LINEAR: 100' = 1" (25.4m) ANGULAR: 1" = 1' (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)  
 100' = 1" (25.4m) 100' = 1" (30.48m)

DATE: 11/8/2019 SCALE: 1"=30'  
 DRAWN BY: JLLS CHECKED BY: APPROVED BY:  
 HYDRO INTERNATIONAL  
 3/8" DIAMETER  
 FIRST DEFENSE HIGH CAPACITY

**GENERAL ARRANGEMENT**

**Hydro International**

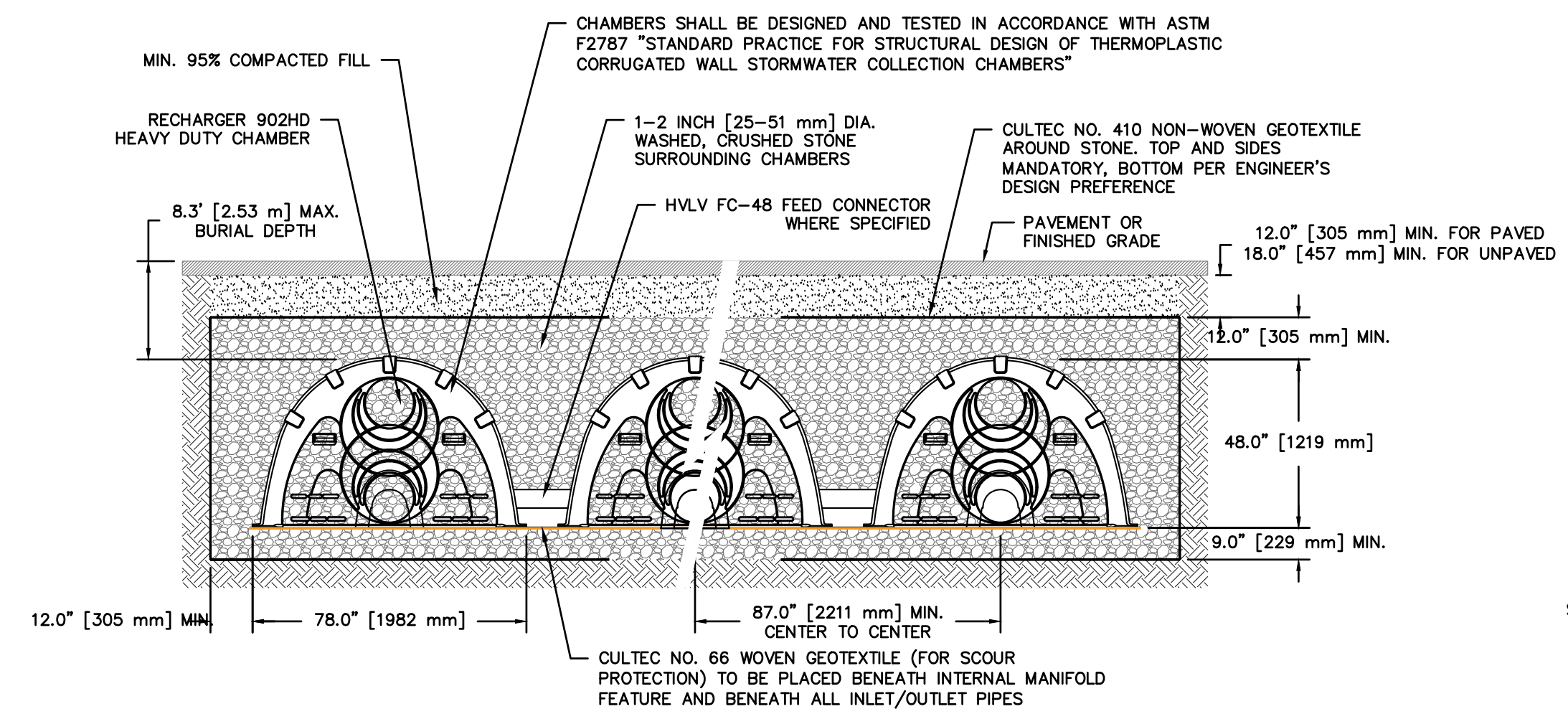
DO NOT SCALE DRAWING  
 THESE FABRICATION DIMENSIONS  
 UNLESS OTHERWISE



**GENERAL NOTES**  
 CONTACTOR 100HD BY CULTEC, INC. OF BROOKFIELD, CT.  
 STORAGE PROVIDED = 3.84 CF/FT [0.82 M<sup>3</sup>/3] PER DESIGN UNIT.  
 REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.  
 MAXIMUM ALLOWED COVER ON TOP OF UNIT SHALL BE 12.0' [3.66 m]. THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS.

WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS, ALL CONTACTOR 100HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER. ALL CONTACTOR 100 CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

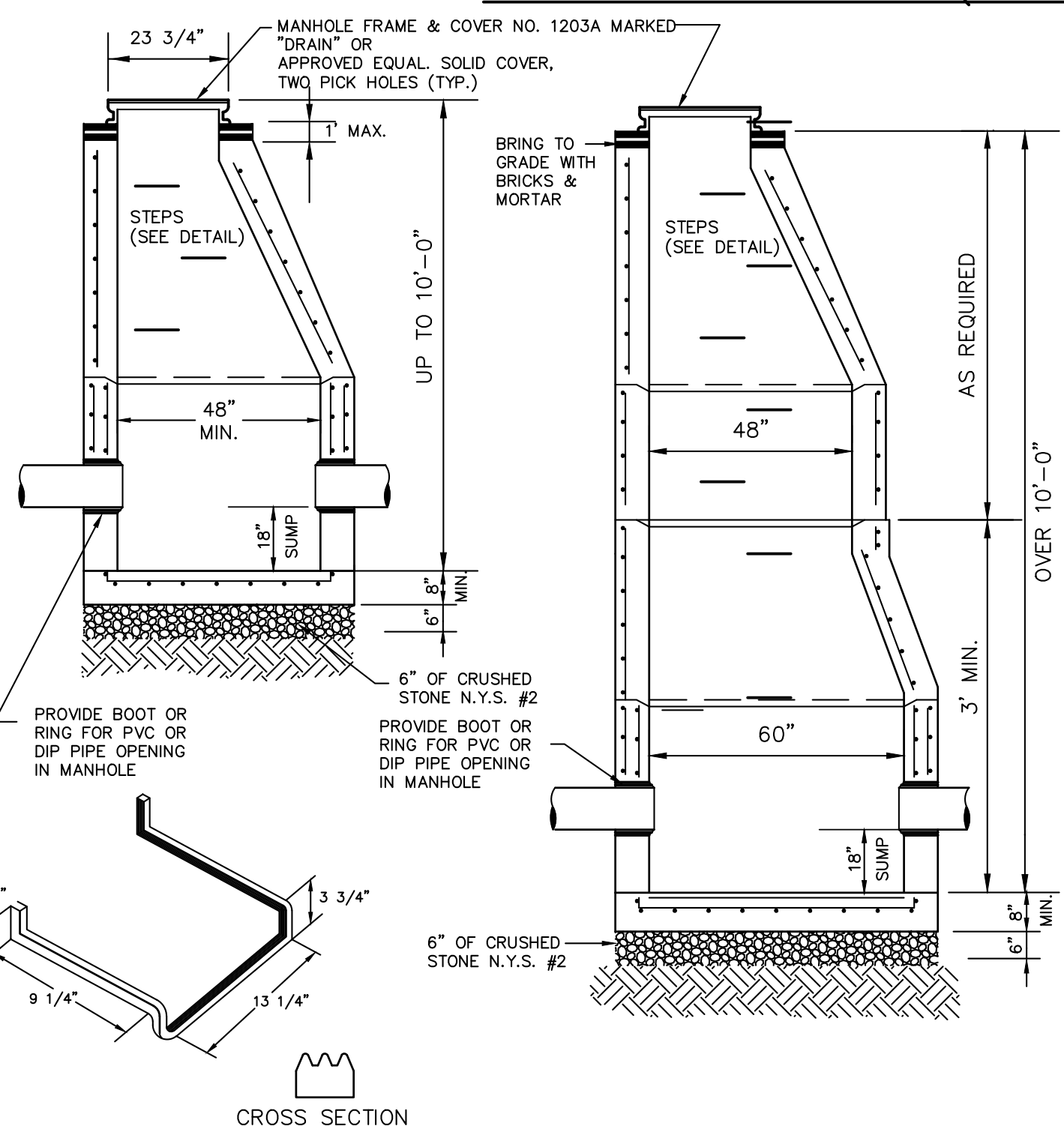
**CULTEC CONTACTOR 100HD**



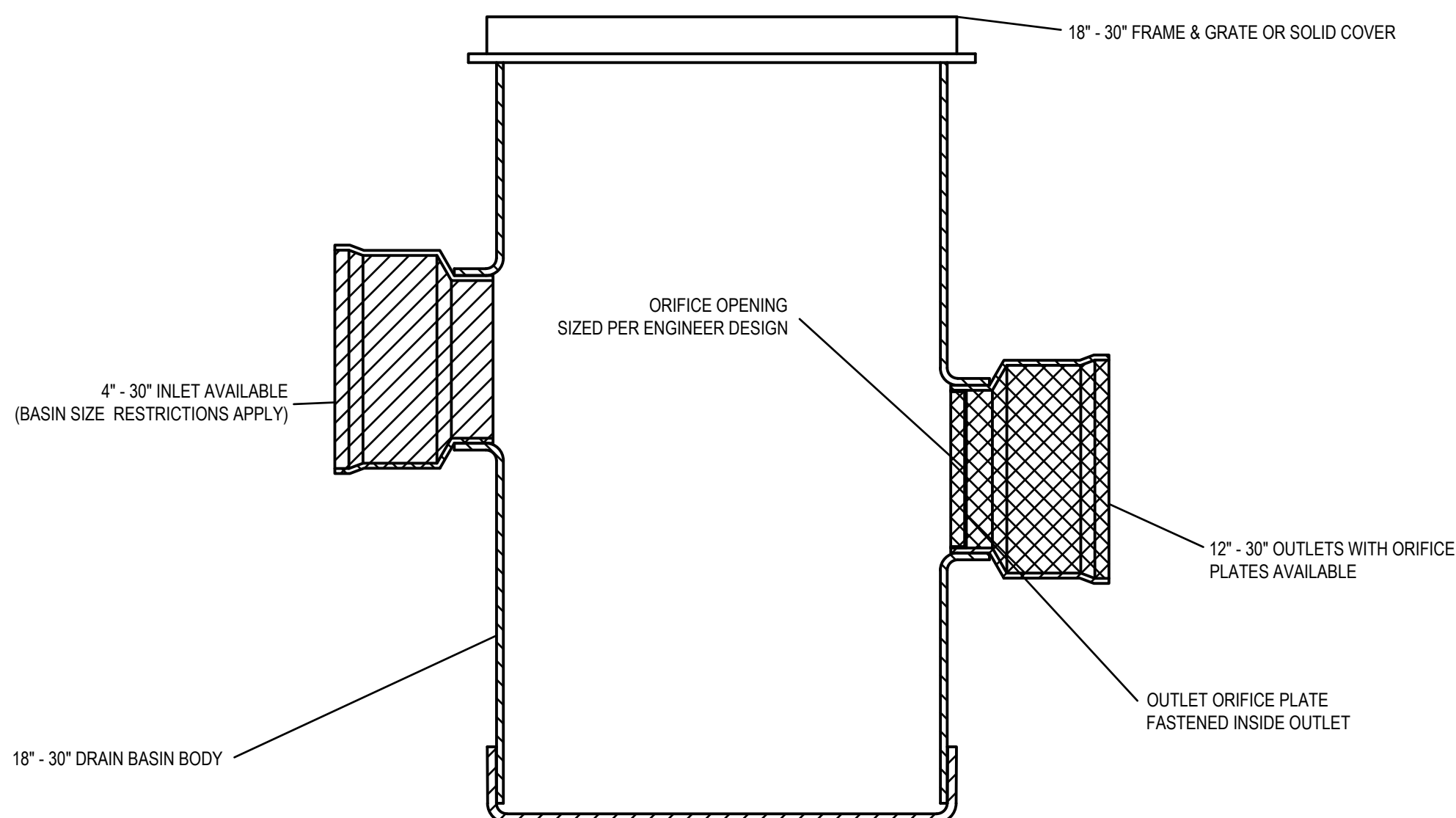
**GENERAL NOTES**  
 RECHARGER 902HD BY CULTEC, INC. OF BROOKFIELD, CT.  
 THE CHAMBER SYSTEM SHALL PROVIDE RESISTANCE TO THE LOADS AND LOAD FACTORS AS DEFINED IN THE AASHTO LRD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12, WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. ALL RECHARGER 902HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES. CALL CULTEC, INC. AT (800) 428-5832 TO ARRANGE A PRE-CONSTRUCTION MEETING. USE RECHARGER 902HD HEAVY DUTY FOR TRAFFIC APPLICATIONS.

**CULTEC RECHARGER 902HD (TRAFFIC)**



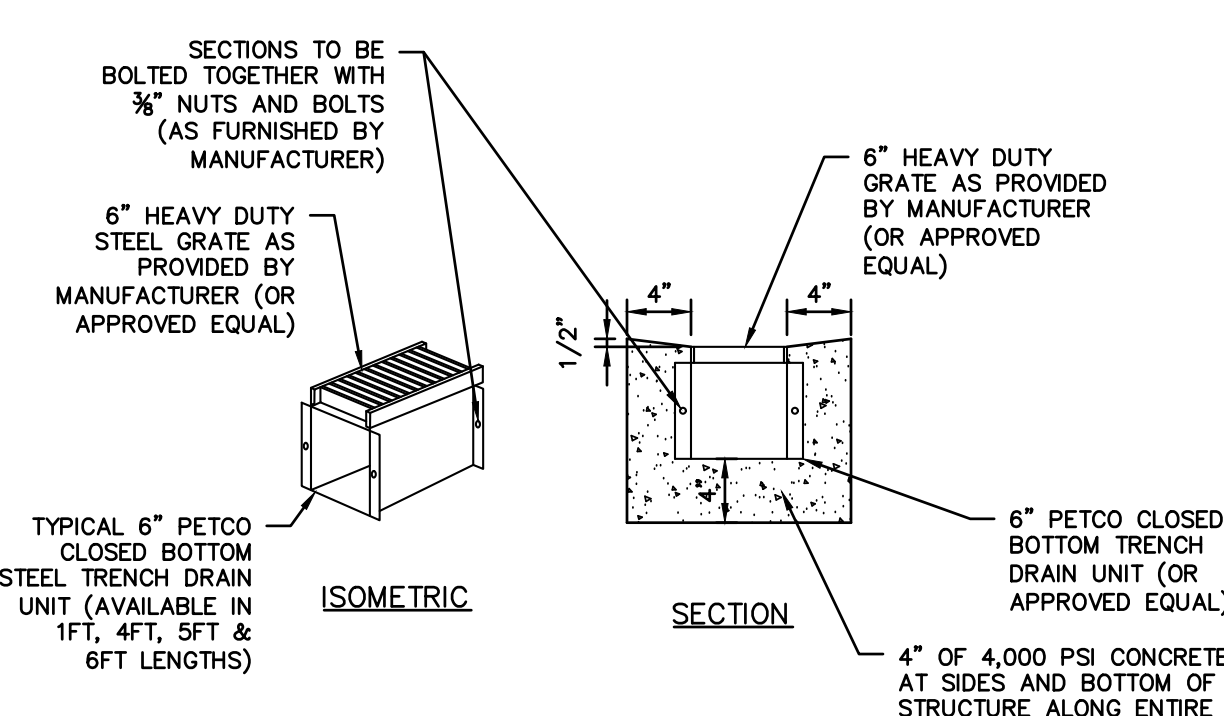
**STEP DETAIL  
 PRECAST CONCRETE MANHOLE  
 (STORMWATER)**



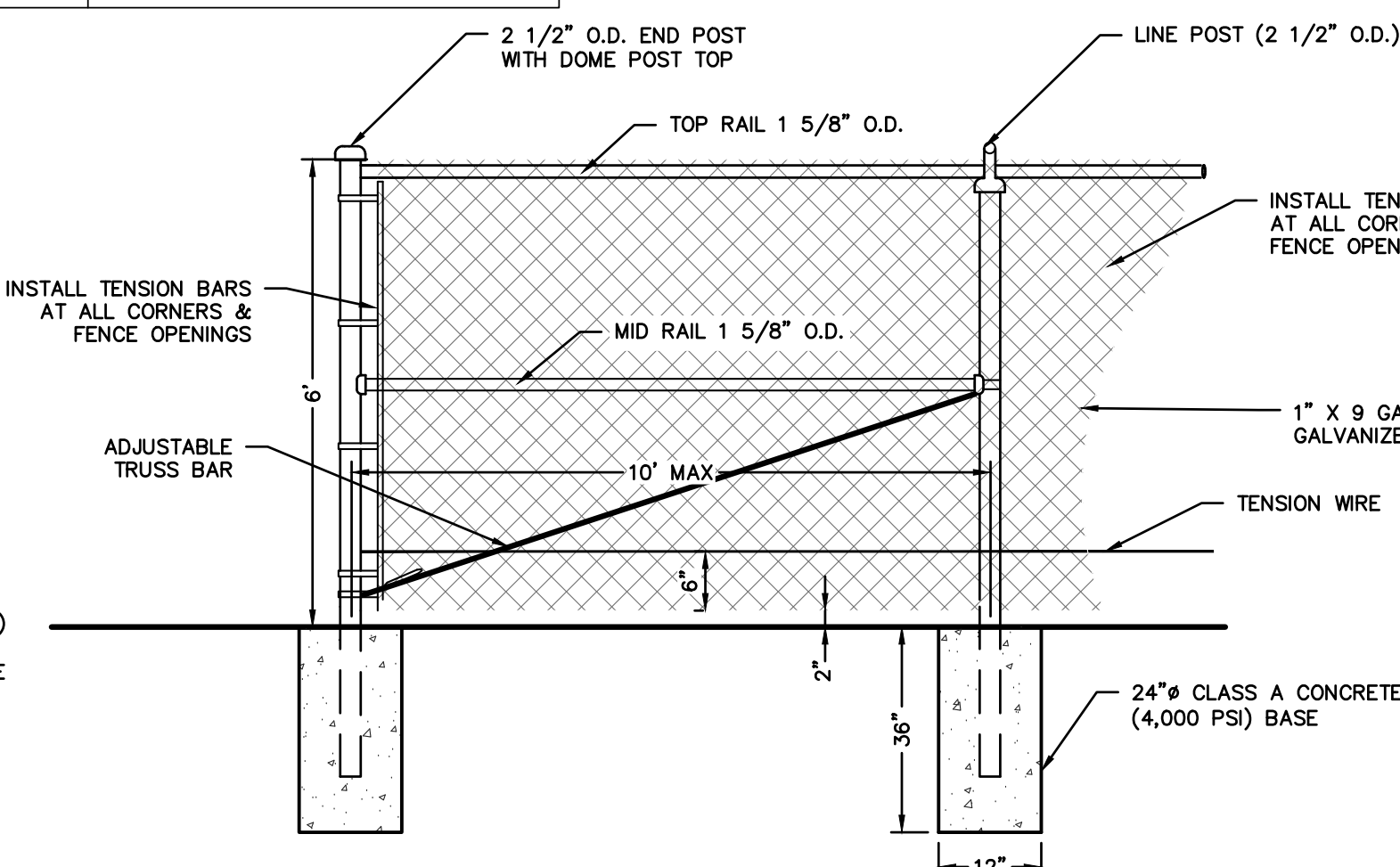
THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.

ADSNyloplast  
 3130 VERONA AVE  
 BUFORD, GA 30518  
 PHN (770) 932-2443  
 FAX (770) 932-2499  
 www.nyloplast-us.com

DATE 02-22-10  
 REVISED BY CCA  
 DATE 09-04-13  
 DWG SIZE A SCALE 1:12 SHEET 1 OF 1  
 TITLE 18 IN - 30 IN DRAIN BASIN WITH OUTLET ORIFICE PLATE  
 DWG NO. 7001-110-391 REV B

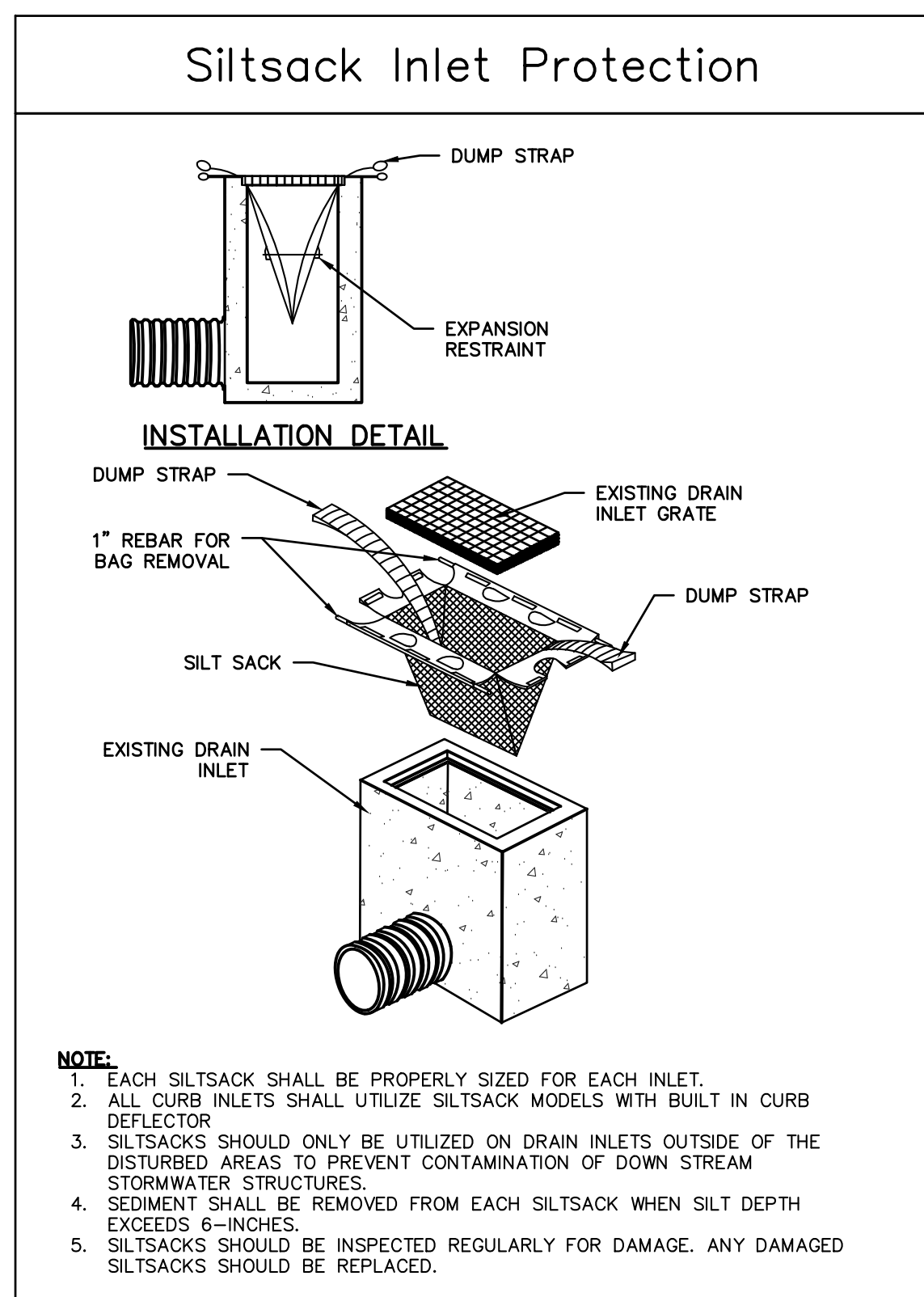


**STEEL TRENCH DRAIN**

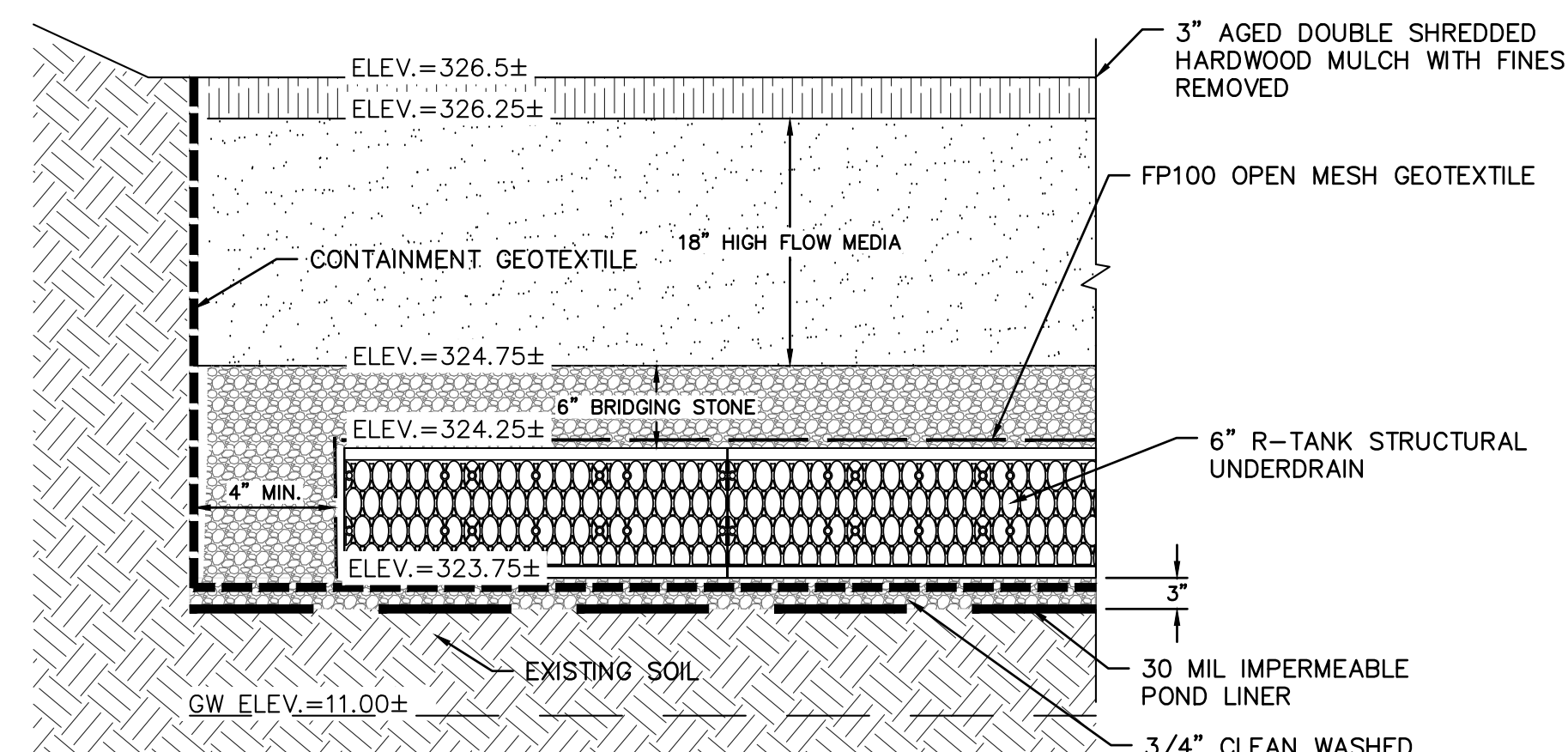


**NOTE:**  
 1. CORNER POSTS SHALL BE USED AT SHARP BREAKS IN VERTICAL GRADE, AND CHANGES IN HORIZONTAL ALIGNMENT OF 15 DEG. AND OVER.  
 2. PULL POSTS SHALL BE USED EVERY 500' ON STRAIGHT RUNS OF CHAIN LINK FENCE OR AS DIRECTED BY THE ENGINEER.

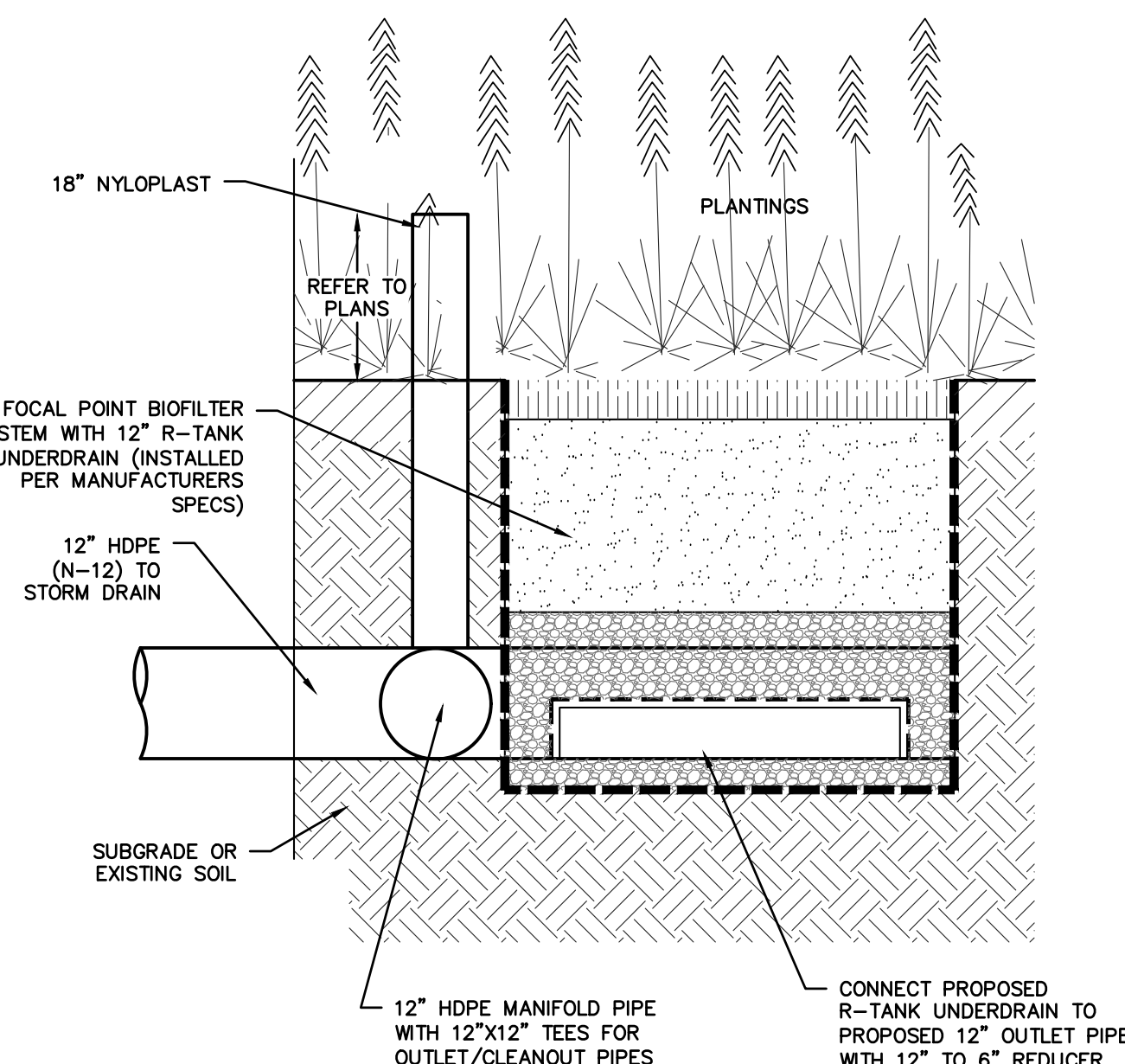
**CHAIN LINK FENCE**



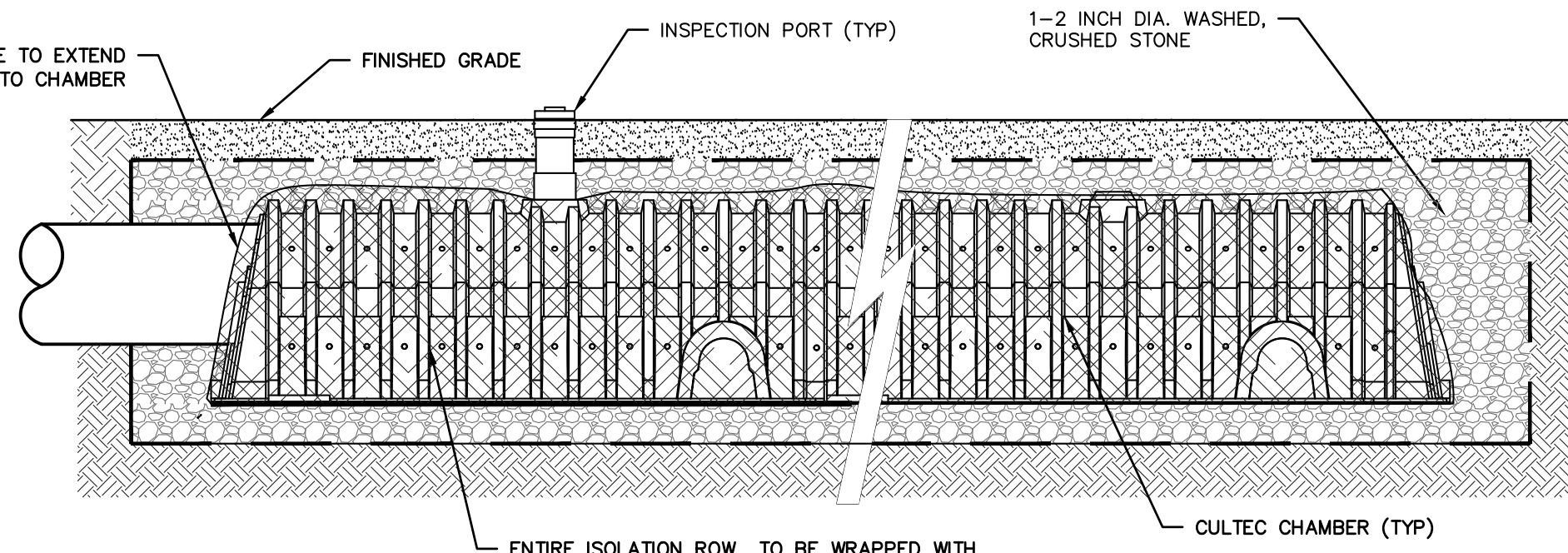
**NOTE:**  
 1. EACH SILT SACK SHALL BE PROPERLY SIZED FOR EACH INLET.  
 2. ALL CURB INLETS SHALL UTILIZE SILT SACK MODELS WITH BUILT IN CURB DEFLECTOR.  
 3. SILT SACKS SHOULD ONLY BE UTILIZED ON DRAIN INLETS OUTSIDE OF THE DISTURBED AREAS TO PREVENT CONTAMINATION OF DOWN STREAM STORMWATER STRUCTURES.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



**FOCALPOINT FILTER  
 WATERSHED 1B**

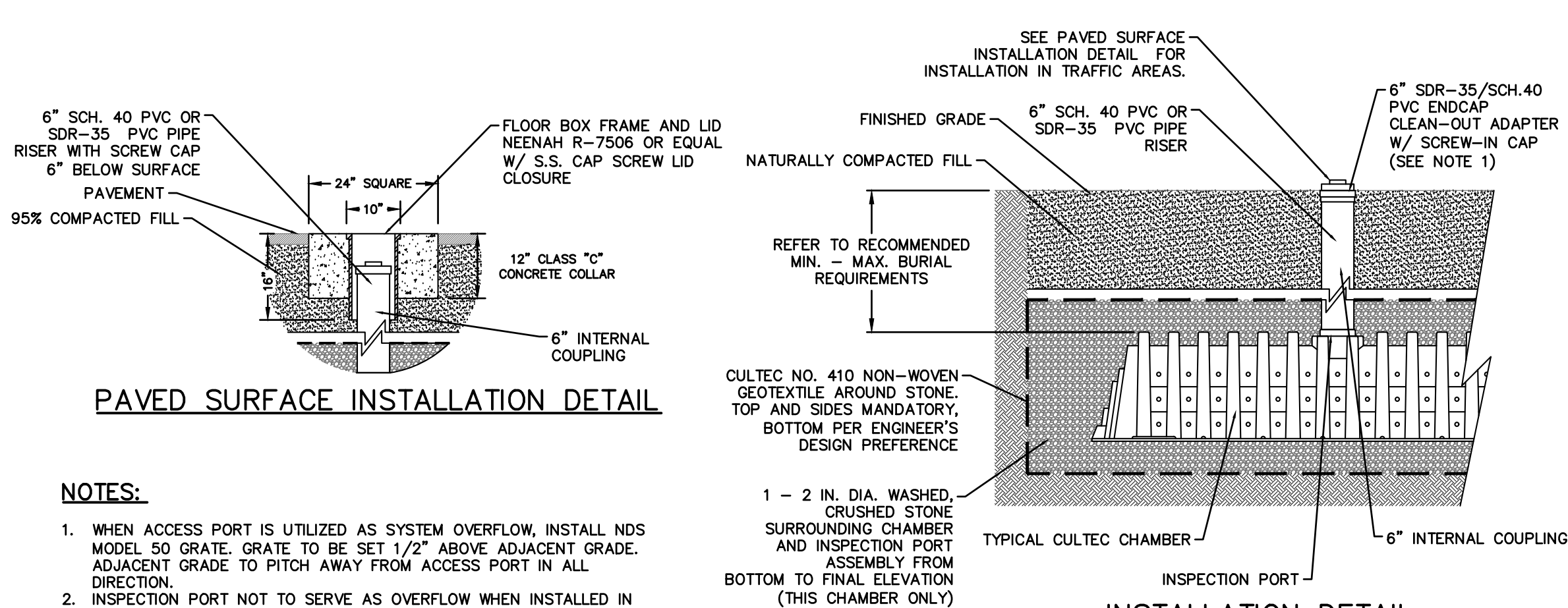


**STORMWATER PLANTER WITH FOCAL POINT  
 FILTER SYSTEM**



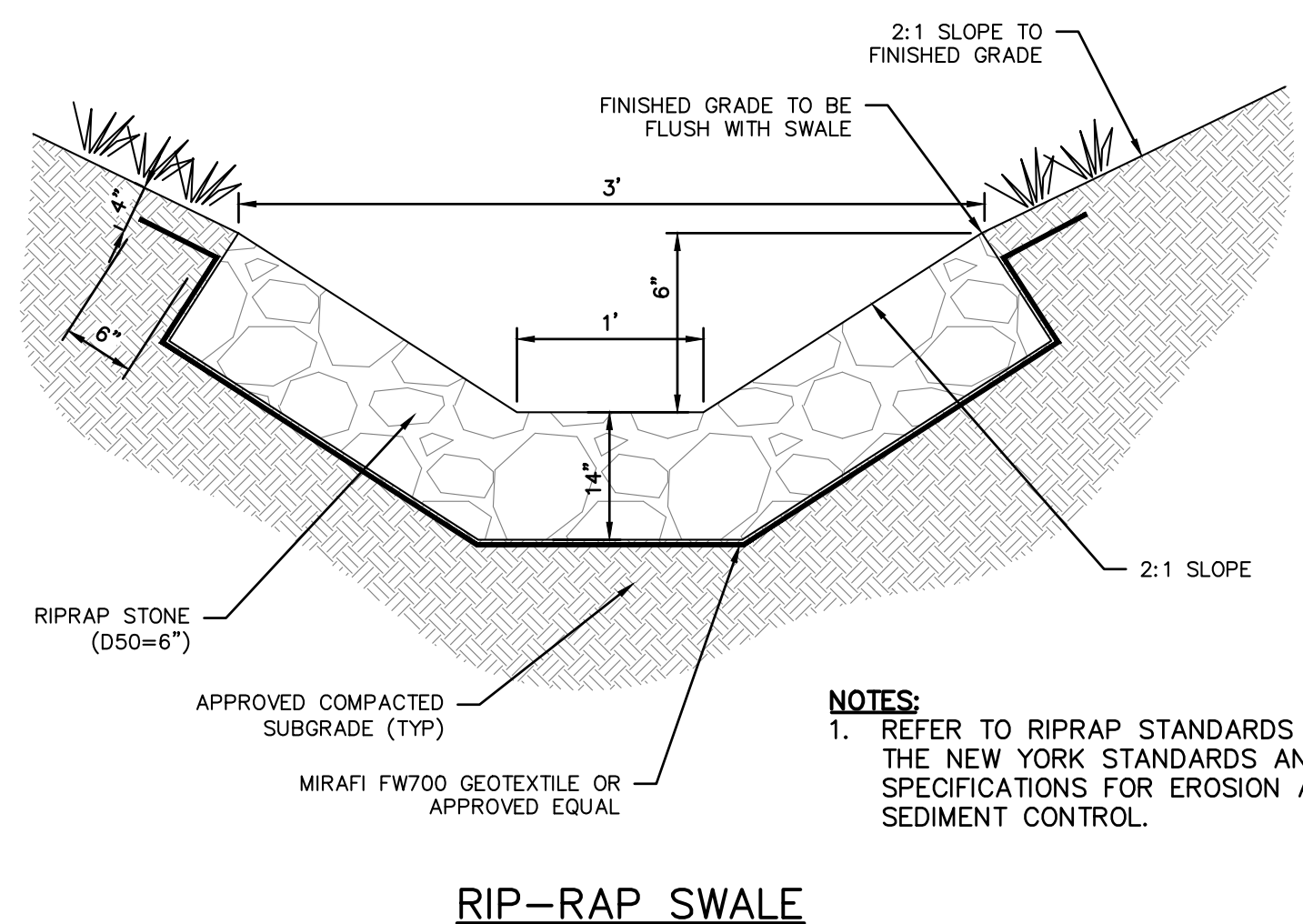
**ISOLATION ROW NOTES:**  
 1. ISOLATION ROW SHALL BE COMPLETELY ENCAPSULATED IN GEOTEXTILE FABRIC.  
 2. FABRIC SHALL BE OVERLAPPED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.  
 3. NO FEED CONNECTORS OR PIPES SHALL CONNECT THE ISOLATION ROW TO THE REMAINDER OF THE SYSTEM.

**CULTEC ISOLATION ROW**



**NOTES:**  
 1. WHEN ACCESS PORT IS UTILIZED AS SYSTEM OVERFLOW, INSTALL NDS MODEL 50 GRATE. GRATE TO BE SET 1/2" ABOVE ADJACENT GRADE. ADJACENT GRADE TO PITCH AWAY FROM ACCESS PORT IN ALL DIRECTION.  
 2. INSPECTION PORT NOT TO SERVE AS OVERFLOW WHEN INSTALLED IN PAVED/TRAFFIC AREAS.

**CULTEC INSPECTION PORT**



**RIP-RAP SWALE**

**NOTES:**  
 1. REFER TO RIPRAP STANDARDS IN THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

PUBLIC INFORMATION REVISION # 4/12/23 PUBLIC INFORMATION REVISION # 1/12/23 DATE 1/12/23	PROJECT: <b>GARDEN LANE APARTMENTS          TOWN OF YORKTOWN          WESTCHESTER COUNTY - NEW YORK</b>	STATE OF NEW YORK MICHAEL P. STEIN LICENSED PROFESSIONAL ENGINEER No. 80651
THIS PLAN NOT VALID FOR CONSTRUCTION WITHOUT ENGINEER'S SEAL & SIGNATURE	<b>HEC</b> <b>HUDSON</b> <b>ENGINEERING</b> <b>CONSULTING, P.C.</b> 45 Knowlwood Road - Suite 201 Elmwood, New York 10523 T: 914-809-0420 F: 914-560-2086	Date: 01/27/23 Scale: N.T.S. Designed By: D.Y. Checked By: M.S. Sheet No. 7 <b>C-6</b>

**CONSTRUCTION PHASE:**

DURING THE CONSTRUCTION PHASE OF THE PROJECT, A SEDIMENT AND EROSION CONTROL PLAN SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S BEST MANAGEMENT PRACTICES (BMP). THE PRIMARY GOALS OF THE SEDIMENT AND EROSION CONTROL PLAN ARE TO PREVENT THE TRACKING OF DIRT AND MUD ONTO ADJACENT ROADS, TO PREVENT MUD AND SILT FROM ENTERING INTO EXISTING AND PROPOSED DRAINAGE FACILITIES, AND TO PROTECT THE RECEIVING WATERS FROM CONTAMINATION DURING THE CONSTRUCTION.

DURING CONSTRUCTION, THE PARTY RESPONSIBLE FOR IMPLEMENTING THE TEMPORARY (DURING CONSTRUCTION) STORMWATER MANAGEMENT FACILITIES MAINTENANCE PROGRAM WILL BE THE CONTRACTOR. THE NAME AND CONTACT INFORMATION ARE AS FOLLOWS:

- ANTHONY LUCIANO
- AQUA WORKS, INC
- 645 N BROADWAY, WHITE PLAINS, NY 10603
- PHONE: (914) 949-3717
- EMAIL: SANDY@NATLAW.COM

A NEW YORK STATE PROFESSIONAL ENGINEER OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (P.E. OR CPESC) SHALL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND CERTIFY IN AN INSPECTION REPORT THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN HAVE BEEN ADEQUATELY INSTALLED AND/OR IMPLEMENTED TO ENSURE OVERALL PREPAREDNESS OF THE SITE FOR CONSTRUCTION. FOLLOWING THE COMMENCEMENT OF CONSTRUCTION, SITE INSPECTIONS SHALL BE CONDUCTED BY THE P.E. OR CPESC AT LEAST EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.

DURING EACH INSPECTION, THE REPRESENTATIVE SHALL RECORD THE FOLLOWING:

- ON A SITE MAP, INDICATE THE EXTENT OF ALL DISTURBED SITE AREAS AND DRAINAGE PATHWAYS. INDICATE SITE AREAS THAT ARE EXPECTED TO UNDERGO INITIAL DISTURBANCE OR SIGNIFICANT SITE WORK WITHIN THE NEXT 14-DAY PERIOD;
- INDICATE ON A SITE MAP ALL AREAS OF THE SITE THAT HAVE UNDERGONE TEMPORARY OR PERMANENT STABILIZATION;
- INDICATE ALL DISTURBED SITE AREAS THAT HAVE NOT UNDERGONE ACTIVE SITE WORK DURING THE PREVIOUS 14-DAY PERIOD;
- INSPECT ALL SEDIMENT CONTROL PRACTICES AND RECORD APPROXIMATE DEGREE OF SEDIMENT ACCUMULATION AS A PERCENTAGE OF THE SEDIMENT STORAGE VOLUME;
- INSPECT ALL EROSION AND SEDIMENT CONTROL PRACTICES AND RECORD ALL MAINTENANCE REQUIREMENTS. IDENTIFY ANY EVIDENCE OF RILL OR GULLY EROSION OCCURRING ON SLOPES AND ANY LOSS OF STABILIZING VEGETATION OR SEEDING/MULCHING. DOCUMENT ANY EXCESSIVE DEPOSITION OF SEDIMENT OR PONDING WATER ALONG THE BARRIER. RECORD THE DEPTH OF SEDIMENT WITHIN CONTAINMENT STRUCTURES AND ANY EROSION NEAR OUTLET AND OVERFLOW STRUCTURES.
- ALL IDENTIFIED DEFICIENCIES.

THE P.E. OR CPESC SHALL MAINTAIN A RECORD OF ALL INSPECTION REPORTS IN A SITE LOGBOOK. THE SITE LOGBOOK SHALL BE MAINTAINED ON-SITE AND BE MADE AVAILABLE TO THE TOWN OF YORKTOWN, THE NYSDEC, AND THE NYSDEP. A SUMMARY OF THE SITE INSPECTION ACTIVITIES SHALL BE POSTED ON A MONTHLY BASIS IN A PUBLICLY ACCESSIBLE LOCATION AT THE SITE.

THE PROJECTS ANTICIPATED START DATE IS APRIL 2018 AND THE ANTICIPATED COMPLETION DATE IS ESTIMATED TO OCCUR IN EARLY APRIL 2020 FOR FULL BUILDOUT OF ALL HOMES.

**CONSTRUCTION SEQUENCING:**

Schedule a pre-construction meeting with appropriate permitting authority prior to the start of work. All involved parties shall be present including representative from DEP, Town of Yorktown Engineering Department, Contractor, Licensed Professional Engineer.

- Install a construction entrance and siltstock inlet protection to the development area.
- Establish construction staging area.
- 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.
- Remove trees where necessary (clear & grub) for the proposed construction.
- Strip topsoil and stockpile at the locations specified on the plans (up gradient of erosion control measures). Temporarily stabilize topsoil stockpiles (hydroseed during May 1<sup>st</sup> through October 31<sup>st</sup> planting season or by covering with a tarpaulin(s) November 1<sup>st</sup> through April 30<sup>th</sup>). Install silt fence around toe of slope.
- Demolish any existing site features and/or structures noted as being removed on the construction documents and dispose of off-site.
- Rough grade site.
- Excavate and install infiltration system, retention basin, focalpoint system per manufacturers recommendations and requirements.
- Rough grade driveways and install trench drains and drain inlets. Install stone and block inlet protection.
- Install drainage network tributary to drainage systems from driveways including pretreatment device, catch basins, hydrodynamic separators, Focal Point, forebay and piping.
- Excavate and construct foundation for new building.
- Construct building. Install and connect all roof drain leaders to previously installed infiltration galleries and retention basin.
- Obtain street opening permit for sewer and water service connections as well as proposed curb cut.
- Install sewer and water service connections.
- Install curbing, and sub-base courses. Fine grade and seed all disturbed areas. Clean pavement, drain lines, catch basins and pretreatment devices. Clean infiltration/attenuation galleries. Insure grass stand is covered. Remove all stone and block inlet protection and install siltstock inlet protection.
- Install 4"-6" topsoil, fine grade, seed the entire project site and install landscape plantings. Spread salt hay over seeded areas.
- Install bituminous concrete top course in driveways.
- Remove all temporary soil erosion and sediment control measures after the site is stabilized with vegetation.

**CONSTRUCTION PRACTICES TO MINIMIZE STORMWATER CONTAMINATION:**

**GENERAL:**

ADEQUATE MEASURES SHALL BE TAKEN TO MINIMIZE CONTAMINATION PARTICLES ARISING FROM THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, GRADING OPERATIONS, AND THE RECLAMATION AND PLACEMENT OF PAVEMENT, DURING PROJECT CONSTRUCTION, INCLUDING BUT NOT LIMITED TO:

- BUILDING MATERIALS, GARBAGE, AND DEBRIS SHALL BE CLEANED UP DAILY AND DEPOSITED INTO DUMPSTERS, WHICH WILL BE PERIODICALLY REMOVED FROM THE SITE AND APPROPRIATELY DISPOSED. ALL DEBRIS SHALL BE COVERED AND CONTAINERS SHALL BE SURROUNDED WITH SILT FENCE IN ORDER TO PREVENT CONTAMINANTS FROM LEAVING THE SITE. SILT FENCING SHALL BE INSPECTED ON A WEEKLY BASIS.
- DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULIN.
- THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP DAILY TO REMOVE EXCESS MUD, DIRT, OR ROCK TRACKED FROM THE SITE.
- PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS THAT ARE CLEARLY LABELED.
- ALL VEHICLES ON SITE WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. SPILLS LARGE ENOUGH TO REACH THE STORM SYSTEM WILL BE REPORTED TO THE NATIONAL RESPONSE CENTER AT 1-800-424-8802.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE TEMPORARY MATERIAL STORAGE TRAILER ON-SITE. EQUIPMENT WILL INCLUDE, BUT NOT BE LIMITED TO, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAW DUST, AND PLASTIC AND METAL TRASH CONTAINERS.
- ALL PAINT CONTAINERS AND CURING COMPOUNDS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SYSTEM, BUT WILL BE PROPERLY DISPOSED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
- SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS A MINIMUM OF TWO TIMES A WEEK TO AVOID OVERFLOWING. ALL SANITARY WASTE UNITS SHALL BE SURROUNDED BY SILT FENCE TO PREVENT CONTAMINANTS FROM LEAVING THE SITE. SILT FENCING SHALL BE INSPECTED ON A WEEKLY BASIS.
- ANY ASPHALT SUBSTANCES USED ON-SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.
- FERTILIZERS WILL BE STORED IN A COVERED SHED AND PARTIALLY USED BAGS WILL BE TRANSFERRED TO A SEALABLE BIN TO AVOID SPILLS AND WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER AND WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER.
- NO DISTURBED AREA SHALL BE LEFT UN-STABILIZED FOR LONGER THAN 14 DAYS DURING THE GROWING SEASON.
- WHEN EROSION IS LIKELY TO BE A PROBLEM, GRUBBING OPERATIONS SHALL BE SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATIONS AND PERMANENT EROSION CONTROL FEATURES CAN FOLLOW WITHIN 24 HOURS THEREAFTER.
- AS WORK PROGRESSES, PATCH SEEDING SHALL BE DONE AS REQUIRED ON AREAS PREVIOUSLY TREATED TO MAINTAIN OR ESTABLISH PROTECTIVE COVER.
- DRAINAGE PIPES AND SWALES/DITCHES SHALL GENERALLY BE CONSTRUCTED IN A SEQUENCE FROM OUTLET TO INLET IN ORDER TO STABILIZE OUTLET AREAS AND DITCHES BEFORE WATER IS DIRECTED TO THE NEW INSTALLATION OR ANY PORTION THEREOF, UNLESS CONDITIONS UNIQUE TO THE LOCATION WARRANT AN ALTERNATIVE METHOD.

**SPILL CONTROL & SPILL RESPONSE:**

- FOR ALL HAZARDOUS MATERIALS STORED ON SITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP WILL BE CLEARLY POSTED. SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES, AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.
- APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE. AS APPROPRIATE, EQUIPMENT AND MATERIALS MAY INCLUDE ITEMS SUCH AS BOOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR CLEAN UP PURPOSES.
- ALL SPILLS WILL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- AFTER A SPILL, A REPORT WILL BE PREPARED DESCRIBING THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES TAKEN. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING, AS WELL AS CLEAN UP INSTRUCTIONS IN THE EVENT OF REOCCURRENCES.
- THE CONTRACTOR'S SITE SUPERINTENDENT, RESPONSIBLE FOR DAY-TO-DAY OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.
- IF THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE NOTIFIED IMMEDIATELY WHEN A SPILL OR THE THREAT OF A SPILL IS OBSERVED. THE SUPERINTENDENT WILL ASSESS THE SITUATION AND DETERMINE THE APPROPRIATE RESPONSE.
- IF SPILLS REPRESENT AN IMMINENT THREAT OF ESCAPING EROSION AND SEDIMENT CONTROLS AND ENTERING RECEIVING WATERS, PERSONNEL WILL BE DIRECTED TO RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED.
- SPILL KITS CONTAINING APPROPRIATE MATERIALS AND EQUIPMENT FOR SPILL RESPONSE AND CLEANUP WILL BE MAINTAINED BY THE CONTRACTOR AT THE SITE.
- IF OIL SHEEN IS OBSERVED ON SURFACE WATER, ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.
- IF A SPILL OCCURS, THE SUPERINTENDENT OR THE SUPERINTENDENT'S DESIGNEE WILL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE CONTACTS LISTED BELOW.
- PERSONNEL WITH PRIMARY RESPONSIBILITY FOR SPILL RESPONSE AND CLEAN UP WILL RECEIVE TRAINING BY THE CONTRACTOR'S SITE SUPERINTENDENT OR DESIGNEE. THE TRAINING MUST INCLUDE IDENTIFYING THE LOCATION OF THE SPILL KITS AND OTHER SPILL RESPONSE EQUIPMENT AND THE USE OF SPILL RESPONSE MATERIALS.
- SPILL RESPONSE EQUIPMENT WILL BE INSPECTED AND MAINTAINED AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.

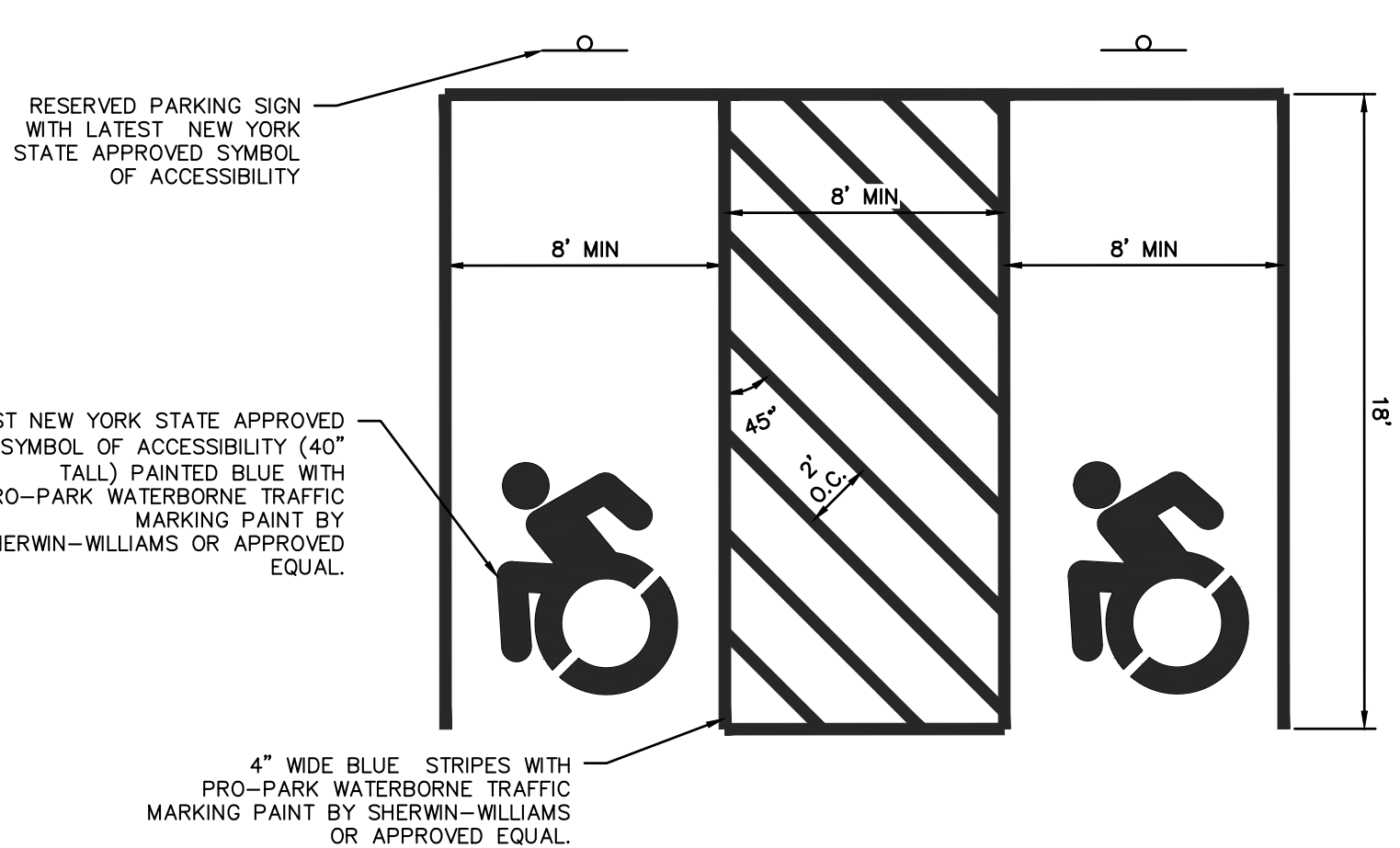
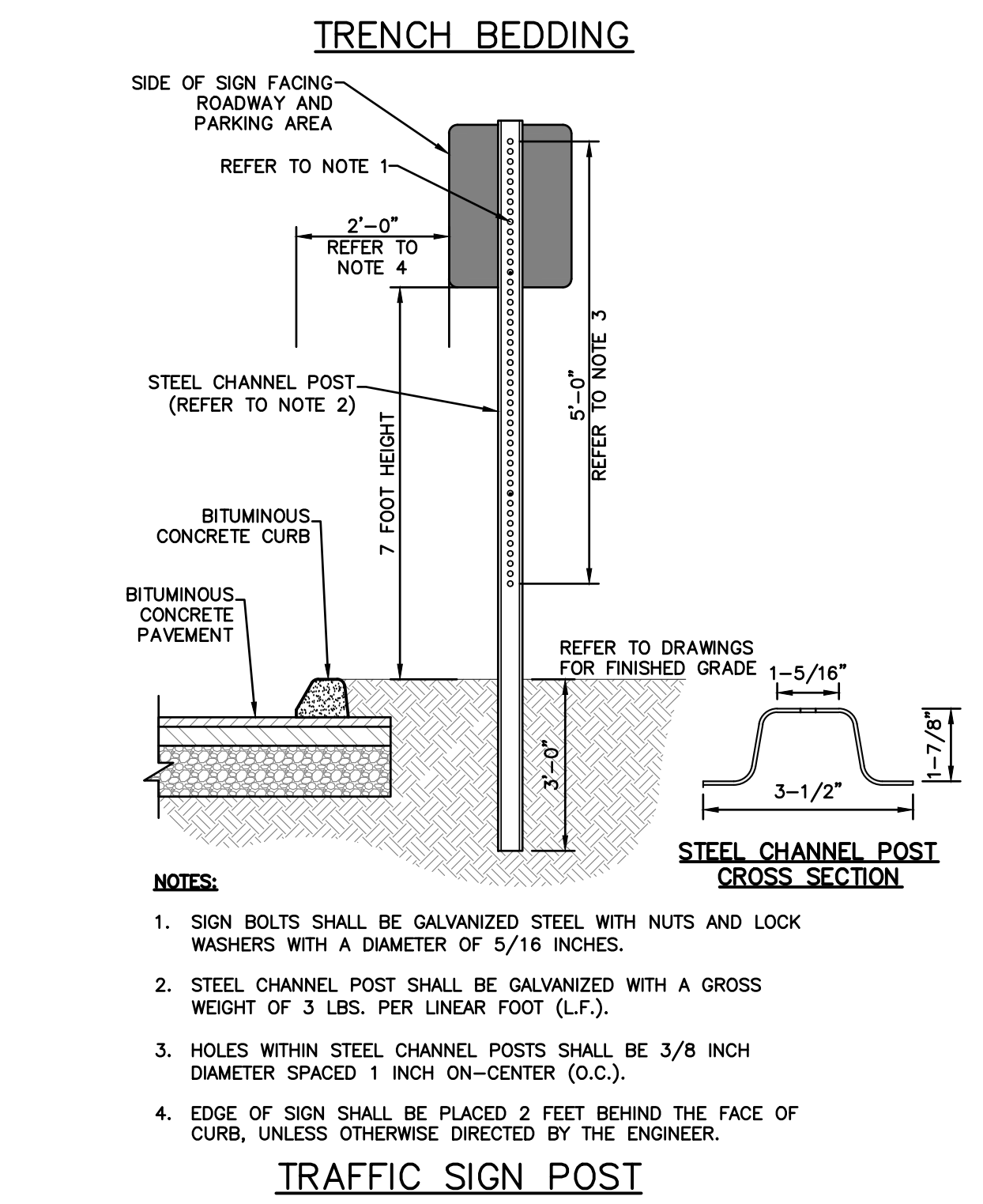
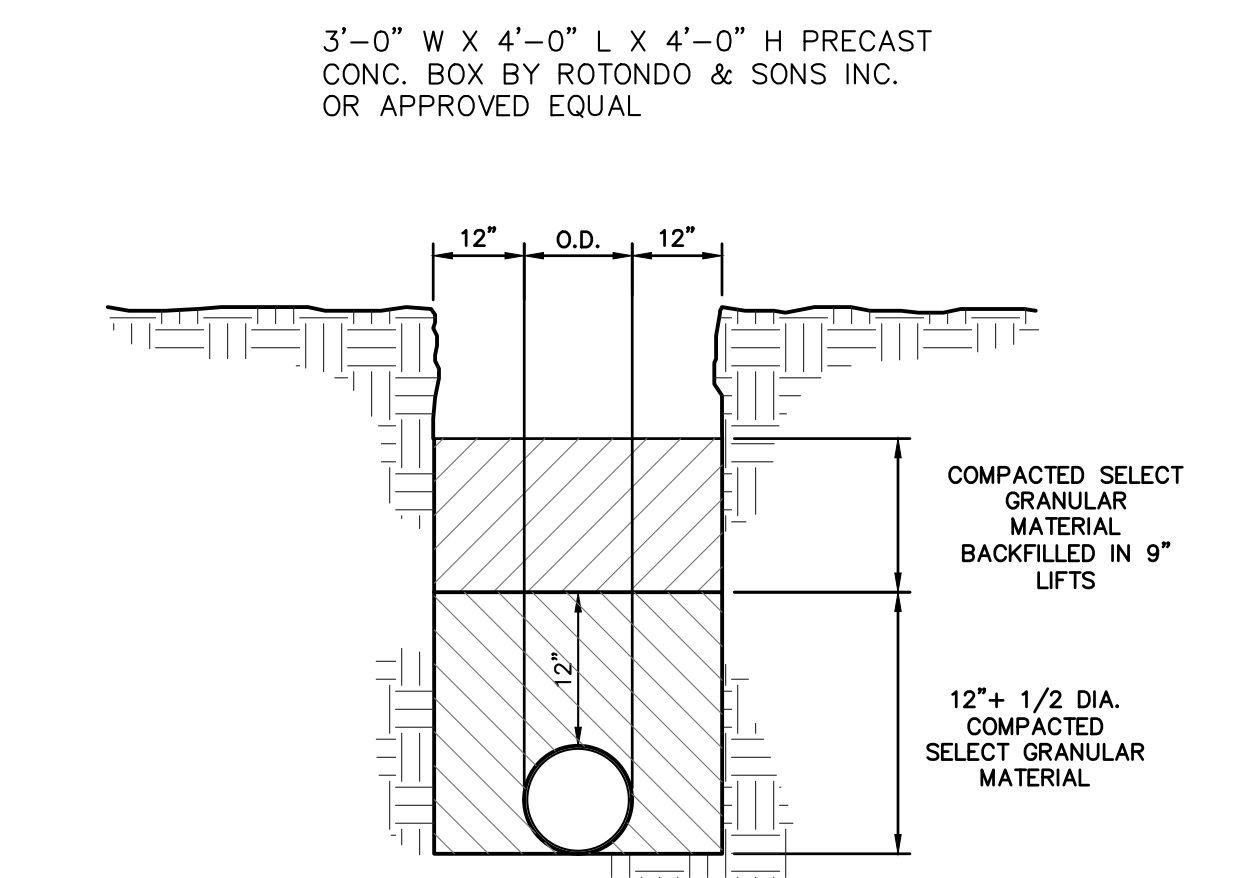
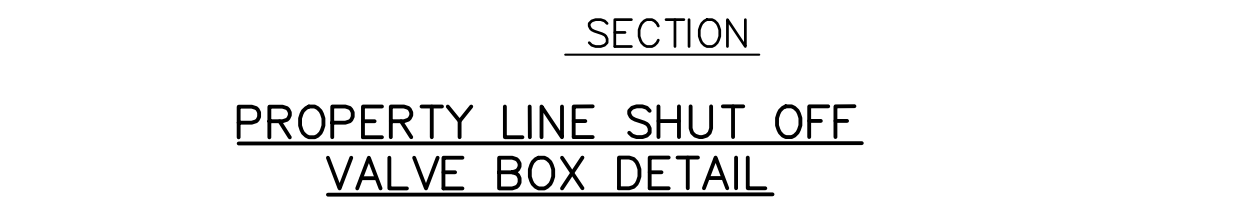
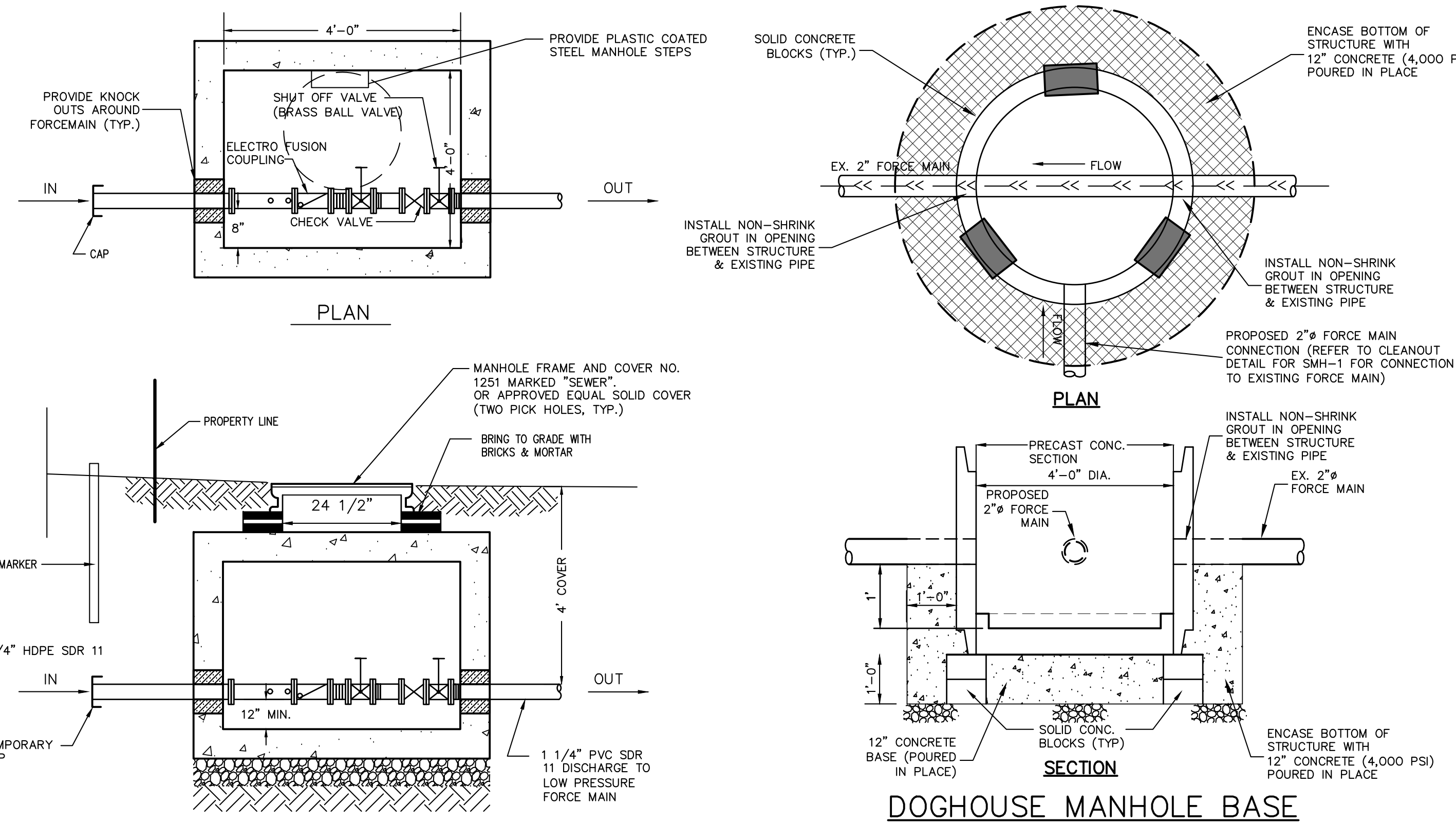
**SPILL CONTROL NOTIFICATION:**

- A REPORTABLE SPILL IS A QUANTITY OF FIVE (5) GALLONS OR MORE OR ANY SPILL OF OIL WHICH: (1) VIOLATES WATER QUALITY STANDARDS, (2) PRODUCES A SHEEN ON A SURFACE WATER, OR (3) CAUSES A SLUDGE OR EMULSION. THIS SPILL MUST BE REPORTED IMMEDIATELY TO THE AGENCIES LISTED BELOW.
- ANY SPILL OF OIL OR HAZARDOUS SUBSTANCE TO WATERS OF THE STATE MUST BE REPORTED IMMEDIATELY BY TELEPHONE TO THE FOLLOWING AGENCIES:

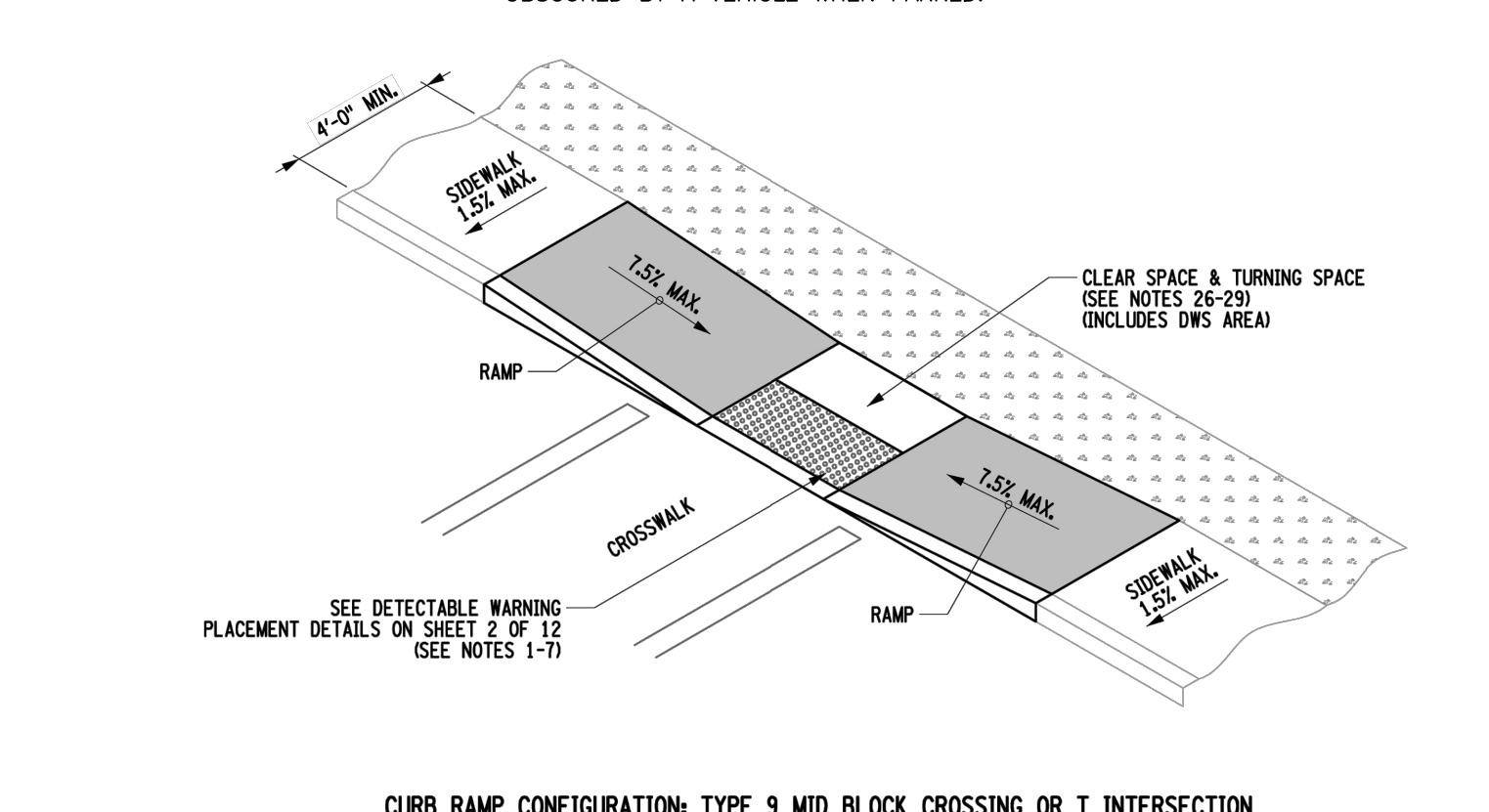
**STORMWATER MANAGEMENT FACILITIES MAINTENANCE PROGRAM**

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/RAIN 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.
HYDRODYNAMIC SEPARATOR	UPON COMPLETION OF CONSTRUCTION: -QUARTERLY FOR FIRST YEAR AFTER FIRST YEAR: -EVERY SIX (6) MONTHS THEREAFTER (SPRING & FALL)	THE HYDRODYNAMIC SEPARATOR DEVICE SHALL BE MAINTAINED DURING DRY WEATHER CONDITIONS. ANY ACCUMULATED SEDIMENTS SHALL BE VACUUMED OUT WHEN SEDIMENT HAS REACHED 1/2 (ONE-HALF) THE CAPACITY OF THE ISOLATED SUMP OR WHEN AN APPRECIABLE LEVEL OF HYDROCARBONS AND TRASH HAS ACCUMULATED, WHICHEVER OCCURS FIRST. WHEN THE SEDIMENT PILE IS WITHIN 30 TO 36 INCHES OF THE WATER SURFACE, THE SYSTEM SHOULD BE MAINTAINED. A VACUUM TRUCK SHALL BE USED TO REMOVE THE ACCUMULATED SEDIMENT AND DEBRIS. REFER TO MANUFACTURER'S LITERATURE FOR DETAILED MAINTENANCE INSTRUCTIONS.
SUBSURFACE EXFILTRATION CHAMBERS	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 CLOGGING OF INLET AND OUTLET PIPING, DURING DRY WEATHER CONDITIONS. INLET AND OUTLET PIPING SHALL BE MANUALLY CLEANED AND CLEARED OF DEBRIS. ALL DEBRIS ACCUMULATED WITHIN THE INFILTRATION SYSTEM SHALL BE VACUUMED OUT OR REMOVED MANUALLY. TO PREVENT SEDIMENT FROM ACCUMULATING WITHIN SYSTEM, THE PRE-TREATMENT BASIN SHALL BE CLEANED AS RECOMMENDED ABOVE. MAINTENANCE OF THE INFILTRATION SYSTEMS LOCATED ON EACH INDIVIDUAL LOT SHALL BE THE RESPONSIBILITY OF THE INDIVIDUAL PROPERTY OWNER.
FOCALPOINT BIOFILTRATION PRACTICE	UPON COMPLETION OF CONSTRUCTION: -IMMEDIATELY AFTER CONSTRUCTION -ONCE A MONTH BY THE HOMEOWNER -TWICE A YEAR BY A CERTIFIED FOCALPOINT CONTRACTOR	THE FOCALPOINT SHOULD BE TREATED AS A COMPONENT OF THE LANDSCAPE WITH ROUTINE MAINTENANCE. ROUTINE MAINTENANCE MAY INCLUDE THE OCCASIONAL REPLACEMENT OF PLANTS, MULCHING, WEEDING, AND THINNING TO MAINTAIN THE DESIRED APPEARANCE. THE PRACTICE SHALL BE INSPECTED TWICE ANNUALLY BY A CERTIFIED FOCALPOINT CONTRACTOR, IN THE SPRING AND FALL. THE FOLLOWING MAINTENANCE WILL BE PERFORMED: 1. REMOVAL OF DEBRIS, TRASH AND MULCH 2. MULCH REPLACEMENT 3. INSPECT PLANT HEALTH (INCLUDING MEASUREMENTS) AND PRUNING OR REPLACEMENT AS NECESSARY 4. CLEANING OF AREA AROUND FOCALPOINT.

• DURING CONSTRUCTION, THE PARTY RESPONSIBLE FOR IMPLEMENTING THE TEMPORARY (DURING CONSTRUCTION) STORMWATER MANAGEMENT FACILITIES MAINTENANCE PROGRAM WILL BE THE CONTRACTOR. THE NAME AND CONTACT INFORMATION WILL BE FILED WITH THE TOWN OF YORKTOWN AND THE NYSDEC AT THE TIME OF THE PRE-CONSTRUCTION MEETING. THE PERMANENT MAINTENANCE PROGRAM FOR ALL NEW STORMWATER MANAGEMENT FACILITIES WILL BE MANAGED BY THE HOA UPON COMPLETION OF CONSTRUCTION AND ACCEPTANCE OF THE IMPROVEMENTS.



- NOTES:**
- PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 1:50 (2%) IN ANY DIRECTION.
  - HANDICAPPED STALLS SHALL BE DESIGNATED AS RESERVED BY A SIGN. THE SIGN SHALL BE SET A MINIMUM OF 8'4" ABOVE GRADE AND NOT BE OBSCURED BY A VEHICLE WHEN PARKED.



PROJECT: GARDEN LANE APARTMENTS TOWN OF YORKTOWN WESTCHESTER COUNTY - NEW YORK

DATE: 01/27/23 SHEET: 7

Scale: N.T.S.

Designed By: M.S.

Checked By: M.S.

Sheet No. C-7

HEC HUDSON ENGINEERING CONSULTING, P.C. 45 Knowlton Road - Suite 201 Elmford, New York 10523

T: 914-909-0420 F: 914-560-2086

© 2022



**PLANTING SPECIFICATIONS:**

**GENERAL:** All plants, trees, and shrubs shall meet the specifications for "plant material" as per the American Standard for Nursery Stock. The landscape architect reserves the right to inspect all plants prior to shipping and installation. There are to be no substitutions of the plants without the consent of the landscape architect.

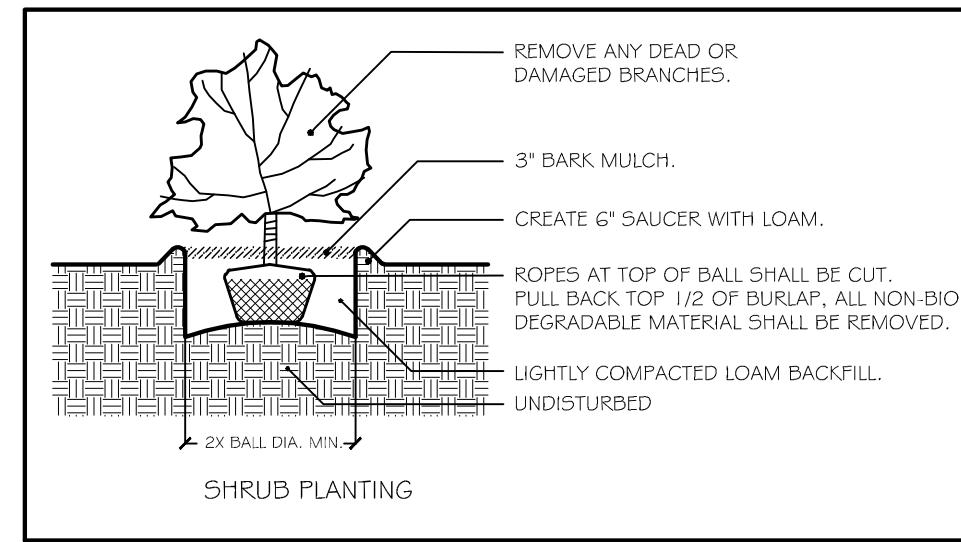
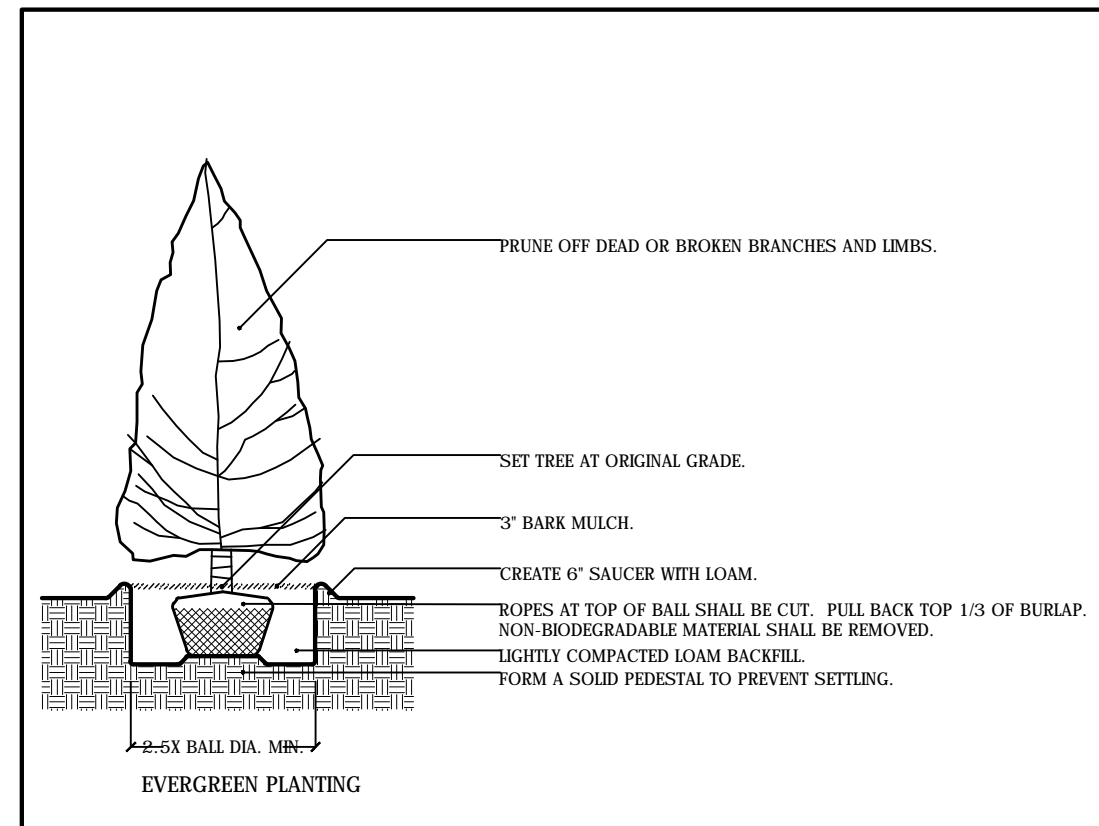
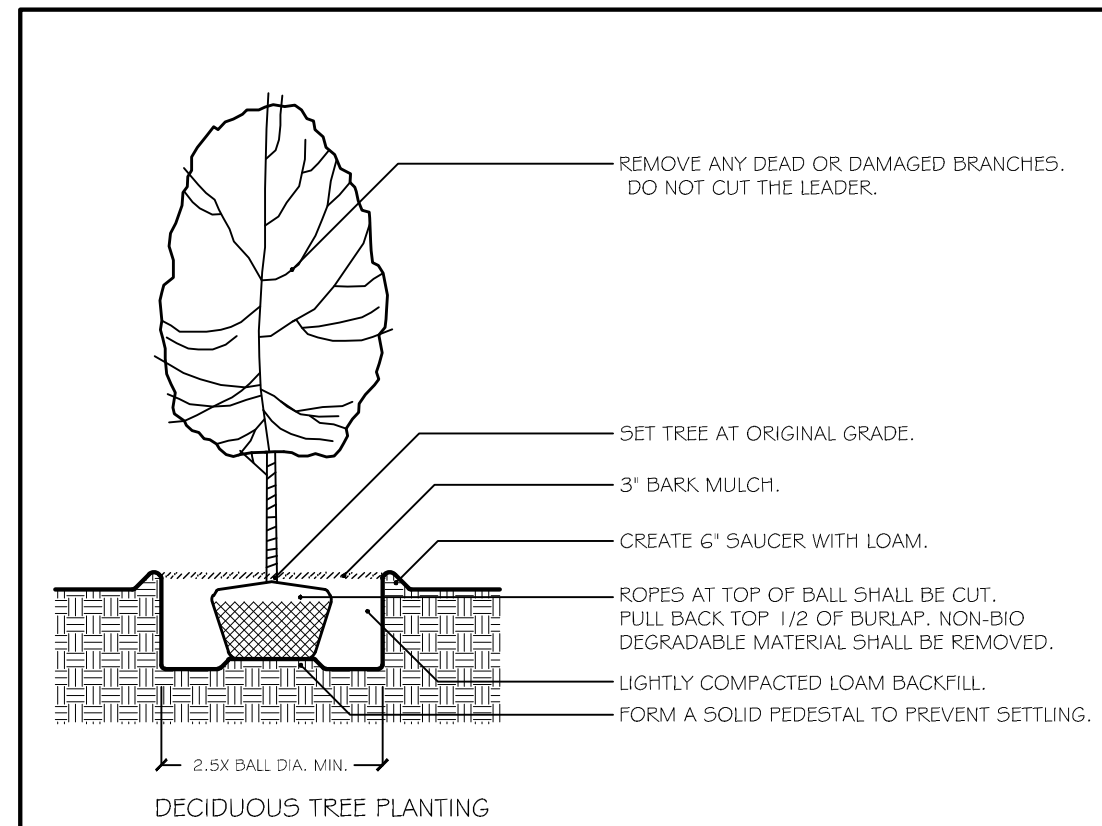
**PLANTING:** All plants shall be planted in pits two times the diameter of the root ball or container. Plant height should be placed at or slightly above previous grade. Pull back burlap from top of ball and cut wire on tree basket. Ensure that the burlap is not exposed above grade because of water loss. Staking and guying shall be used only when necessary. When the method is used, care should be taken to protect the tree bark and wires should be removed as soon as possible.

**MULCHING:** All planting beds (EXCEPT GROUND COVER) shall be mulched with three inches of shredded bark to conserve water and keep roots covered during initial growth stage. Do not place mulch heavily around crown of plants.

**WINTER CARE:** All trees and shrubs shall be sprayed with an anti-desiccant the first November after planting.

**WATERING:** All plants shall be watered by the contractor during the initial growth stage. Trees shall be heavily watered several times during the first month after planting and then regularly for the next two summers.

**PLANT GUARANTEE:** Contractor shall guarantee all newly installed plants for one-year provided that they are given proper watering/care and contractor is notified of unhealthy stressed plants immediately.

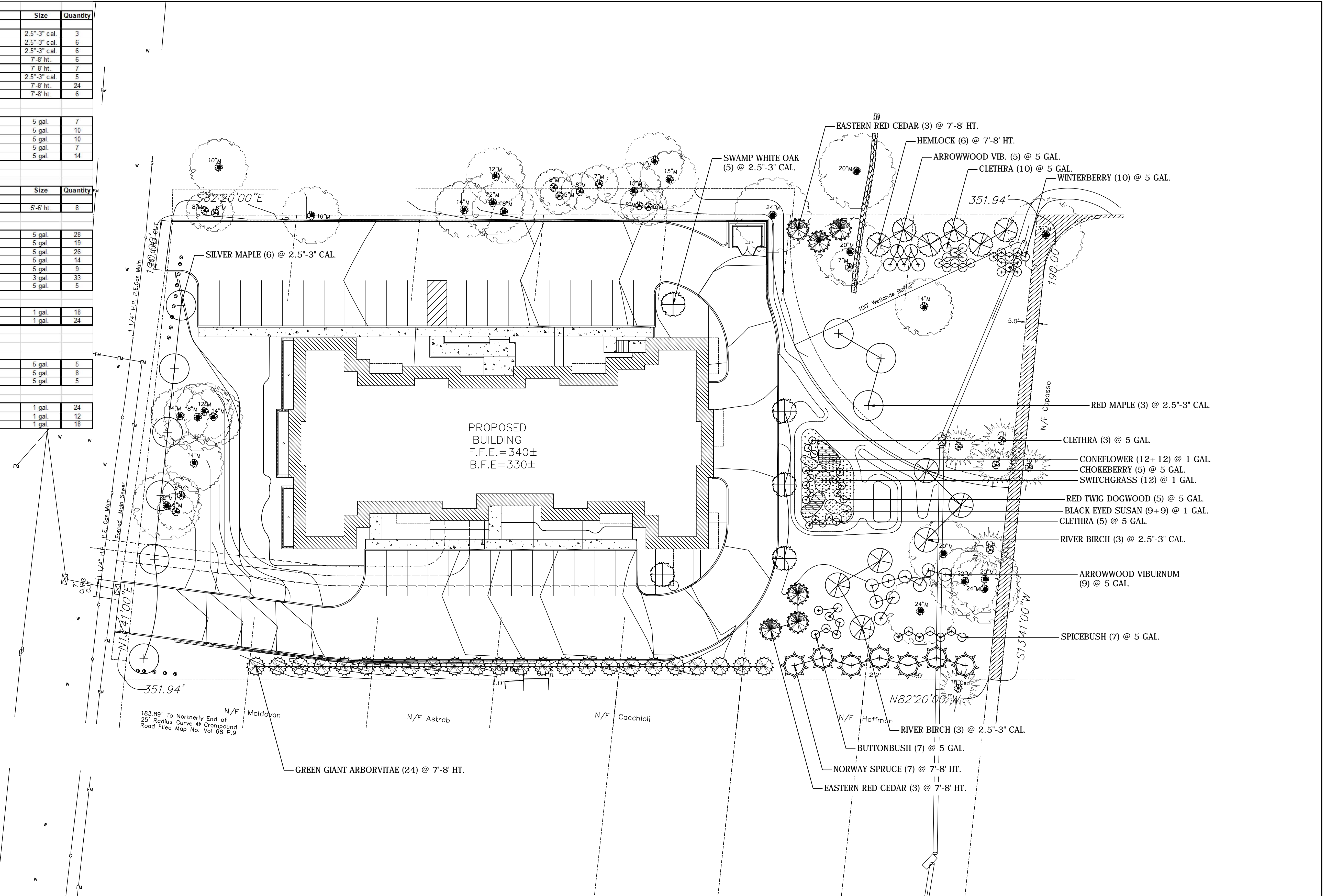


Perimeter Planting			
Scientific Name	Common Name	Size	Quantity
<b>Trees</b>			
<i>Acer rubrum</i>	Red Maple	2.5'-3" cal.	3
<i>Acer saccharinum</i>	Silver Maple	2.5'-3" cal.	6
<i>Betula nigra</i>	River Birch	2.5'-3" cal.	6
<i>Juniperus virginiana</i>	Eastern Red Cedar	7'-8' ht.	6
<i>Picea abies</i>	Norway Spruce	7'-8' ht.	7
<i>Quercus bicolor</i>	Swamp White Oak	2.5'-3" cal.	5
<i>Thuja plicata 'Green Giant'</i>	Green Giant Arborvitae	7'-8' ht.	24
<i>Tsuga canadensis</i>	Canadian Hemlock	7'-8' ht.	6
<b>Shrubs</b>			
<i>Cephalanthus occidentalis</i>	Button Bush	5 gal.	7
<i>Clethra alnifolia</i>	Summersweet Clethra	5 gal.	10
<i>Ilex verticillata</i>	Winterberry	5 gal.	10
<i>Lindera benzoin</i>	Spice Bush	5 gal.	7
<i>Viburnum dentatum</i>	Arrowwood Viburnum	5 gal.	14

Foundation Planting			
Scientific Name	Common Name	Size	Quantity
<b>Trees</b>			
<i>Amelanchier canadensis</i>	Shadblow Serviceberry	5'-6' ht.	8
<b>Shrubs</b>			
<i>Clethra alnifolia</i>	Summersweet Clethra	5 gal.	28
<i>Ilex glabra</i>	Inkberry	5 gal.	19
<i>Ilex verticillata</i>	Winterberry	5 gal.	26
<i>Kalmia latifolia</i>	Mountain Laurel	5 gal.	14
<i>Morella pennsylvanica</i>	Bayberry	5 gal.	9
<i>Rhus aromatica 'Gro-Low'</i>	Gro-Low Sumac	3 gal.	33
<i>Viburnum acerifolium</i>	Mapleleaf Viburnum	5 gal.	5

Perennials			
Scientific Name	Common Name	Size	Quantity
<i>Athyrium filix-femina</i>	Lady Fern	1 gal.	18
<i>Hemerocallis x 'Stella de Oro'</i>	Stella de Oro Daylily	1 gal.	24

Rain Garden Planting			
Scientific Name	Common Name	Size	Quantity
<b>Shrubs</b>			
<i>Aronia arbutifolia</i>	Red Chokeberry	5 gal.	5
<i>Clethra alnifolia</i>	Sweet Pepperbush	5 gal.	8
<i>Cornus sericea</i>	Red Twig Dogwood	5 gal.	5
<b>Perennials</b>			
<i>Echinacea purpurea</i>	Purple Cone Flower	1 gal.	24
<i>Panicum virgatum</i>	Switchgrass	1 gal.	12
<i>Rudbeckia hirta</i>	Black-Eyed Susan	1 gal.	18



ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS PLAN OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.  
ALTERATION OF THIS DRAWING, EXCEPT IF DONE BY OR UNDER THE DIRECTION OF THE LICENSED L.A. THAT PREPARED THEM, IS A VIOLATION OF NYS EDUCATION LAW.

REVISION	DATE
REV. 1	04/12/23
REV. 2	04/20/23
REV. 3	04/24/23
REV. 4	05/02/23

**GARDEN LANE APARTMENTS**  
YORKTOWN, NY

**PLANTING PLAN (PERIMETER)**

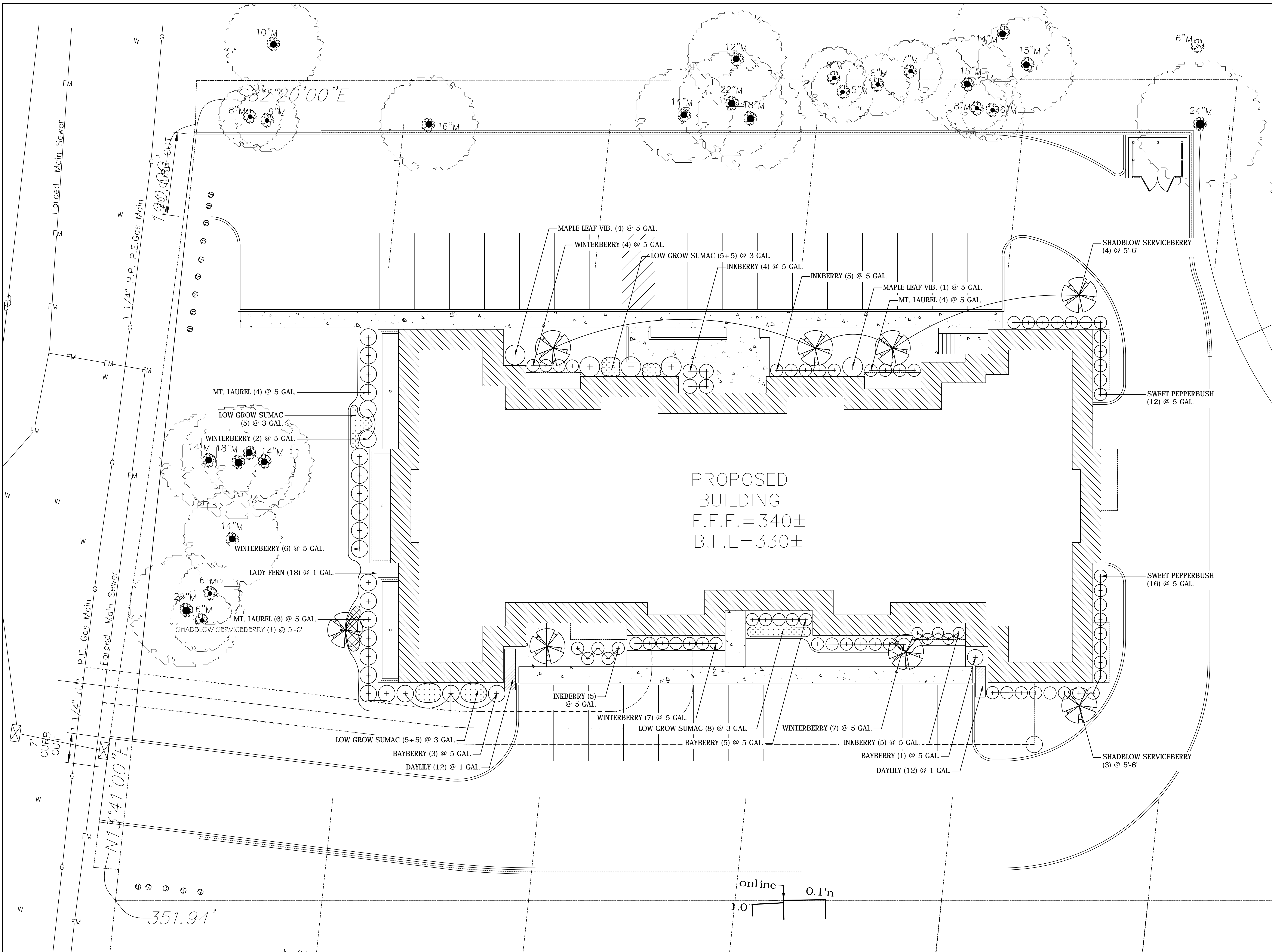
**DANIEL SHERMAN**  
LANDSCAPE ARCHITECT  
4 BROADWAY - SUITE 9  
VALHALLA, NY 10595  
PHONE: (914) 824 - 0999  
FAX: (914) 824-0251  
dan.danshermanlandscape@gmail.com  
www.danshermanlandscape.com



<b>DATE:</b> MAR. 2, 2023	<b>SCALE:</b> 1" = 20' - 0"
------------------------------	--------------------------------

<b>DRAWN BY:</b> AL	<b>DRAWING #</b> L - 1
------------------------	---------------------------

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS PLAN OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.  
 ALTERATION OF THIS DRAWING, EXCEPT IF DONE BY OR UNDER THE DIRECTION OF THE LICENSED L.A. THAT PREPARED THEM, IS A VIOLATION OF NYS EDUCATION LAW.



PROPOSED  
 BUILDING  
 F.F.E. = 340 ±  
 B.F.E. = 330 ±

REVISION	DATE
REV. 1	04/12/23
REV. 2	04/20/23
REV. 3	04/24/23
REV. 4	05/02/23

**GARDEN LANE  
 APARTMENTS**  
 YORKTOWN, NY

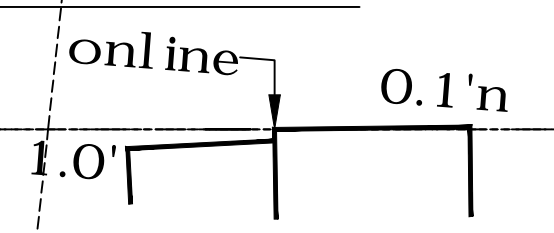
**PLANTING PLAN  
 (FOUNDATION)**

**DANIEL SHERMAN**  
 LANDSCAPE ARCHITECT  
 4 BROADWAY - SUITE 9  
 VALHALLA, NY 10595  
 PHONE: (914) 824 - 0999  
 FAX: (914) 824-0251  
 dan.danshermanlandscape@gmail.com  
 www.danshermanlandscape.com



**DATE:** MAR. 2, 2023  
**SCALE:** 1" = 10' - 0"

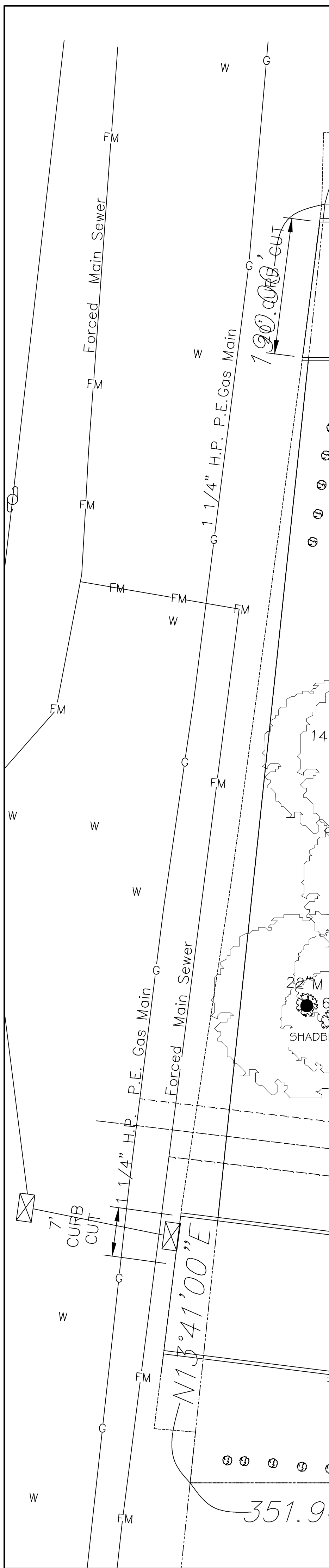
**DRAWN BY:** AL  
**DRAWING #** L - 2



351.94'

N13°41'00"E

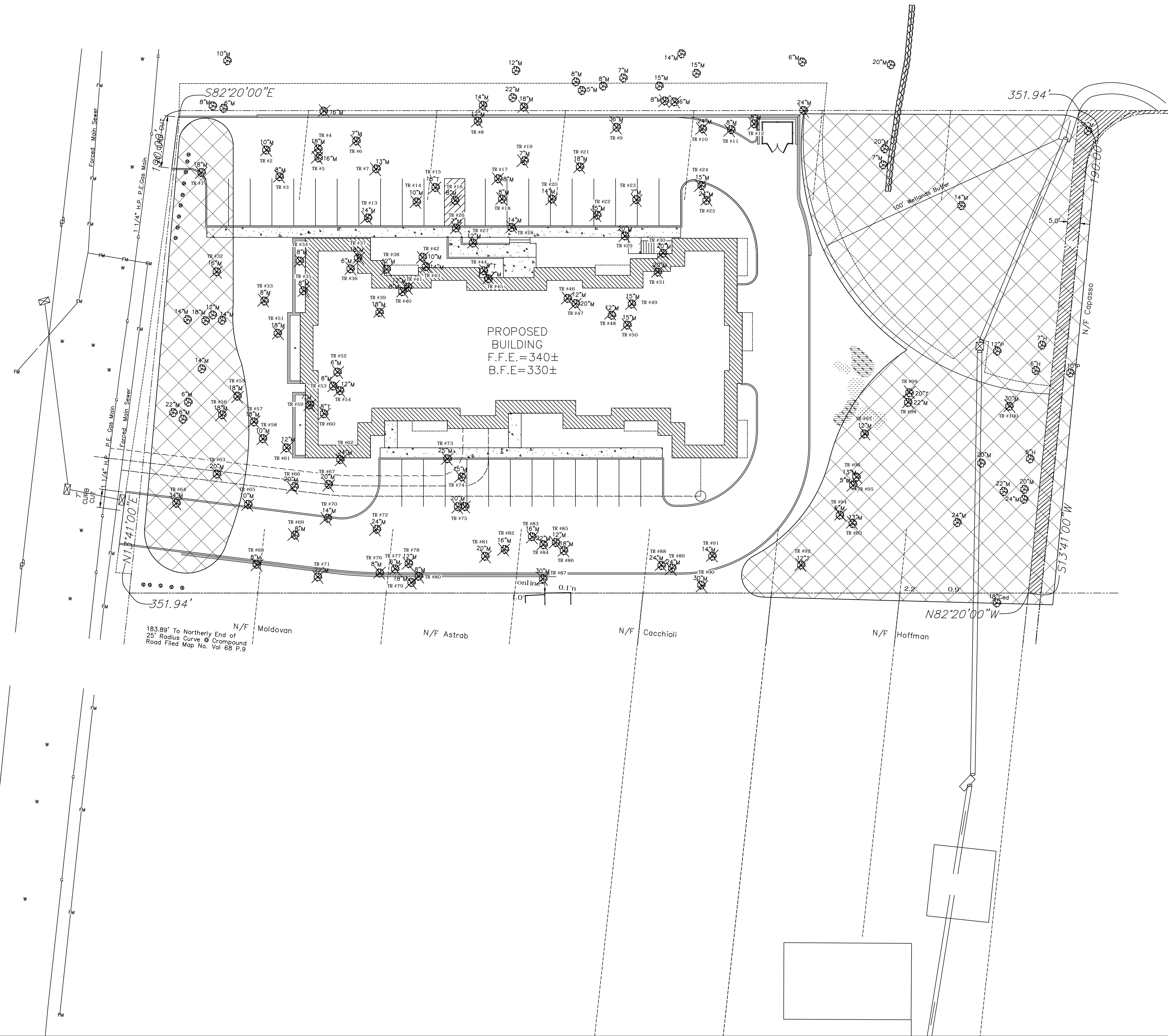
S82°20'00"E





Tree Number	Unregulated Tree Size "	Protected Tree Size in "	Specimen Tree Size in "	Species	Condition
1		18		Norway Maple	Invasive
2		10		Norway Maple	Invasive
3		8		Norway Maple	Invasive
4		18		Norway Maple	Invasive
5		16		Norway Maple	Invasive
6	7			Norway Maple	Invasive
7		13		Norway Maple	Invasive
8		12		Norway Maple	Invasive
9			36	Norway Maple	Invasive
10			24	Norway Maple	Invasive
11		8		Norway Maple	Invasive
12		8		Norway Maple	Invasive
13		14		Norway Maple	Invasive
14		10		Norway Maple	Invasive
15		18		Norway Maple	Invasive
16		8		Norway Maple	Invasive
17		8		Norway Maple	Invasive
18		8		Norway Maple	Invasive
19	7			Norway Maple	Invasive
20		14		Norway Maple	Invasive
21		18		Norway Maple	Invasive
22		15		Norway Maple	Invasive
23	7			Norway Maple	Invasive
24		15		Norway Maple	Invasive
25		0		Norway Maple	Dead
26	7			Norway Maple	Invasive
27		12		B Cherry	Good
28		14		B Cherry	Good
29		20		Norway Maple	Invasive
30		20		Norway Maple	Invasive
31		0		Norway Maple	Dead
32		16		Norway Maple	Invasive
33		8		Norway Maple	Invasive
34		8		Norway Maple	Invasive
35		8		Norway Maple	Invasive
36	6			Norway Maple	Invasive
37		18		Norway Maple	Invasive
38		12		Norway Maple	Invasive
39		18		Norway Maple	Invasive
40		0		Norway Maple	Dead
41		0		Norway Maple	Dead
42		10		Norway Maple	Invasive
43		14		Norway Maple	Invasive
44		8		Norway Maple	Invasive
45	7			Norway Maple	Invasive
46		12		Norway Maple	Invasive
47		20		Norway Maple	Invasive
48		12		Norway Maple	Invasive
49		15		Norway Maple	Invasive
50		16		Norway Maple	Invasive
51		18		Norway Maple	Invasive
52	6			Norway Maple	Invasive
53		8		Norway Maple	Invasive
54		12		Norway Maple	Invasive
55		18		Norway Maple	Invasive
56		18		Norway Maple	Invasive
57		18		Norway Maple	Invasive
58		0		Norway Maple	Dead
59	7			Norway Maple	Invasive
60		8		Spruce	Good
61		12		Norway Maple	Invasive
62		24		Norway Maple	Invasive
63		10		Norway Maple	Invasive
64			34	Norway Maple	Invasive
65		10		B Cherry	Good
66		20		B Cherry	Good
67		20		B Cherry	Good
68		8		Norway Maple	Invasive
69		8		Norway Maple	Invasive
70		14		Norway Maple	Invasive
71		22		Norway Maple	Invasive
72		24		Norway Maple	Invasive
73		28		Norway Maple	Invasive
74		0		Norway Maple	Dead
75		0		Norway Maple	Dead
76		8		Norway Maple	Invasive
77	7			Norway Maple	Invasive
78		12		Norway Maple	Invasive
79		18		Norway Maple	Invasive
80		8		Norway Maple	Invasive
81		20		Norway Maple	Invasive
82		16		Norway Maple	Invasive
83		16		Norway Maple	Invasive
84		22		Norway Maple	Invasive
85		12		Norway Maple	Invasive
86		18		Norway Maple	Invasive
87			30	Norway Maple	Invasive
88			24	Norway Maple	Invasive
89			24	Norway Maple	Invasive
90			30	Norway Maple	Invasive
91		14		Norway Maple	Invasive
92		12		Spruce	Good
93		13		B Cherry	Good
94	6			Norway Maple	Invasive
95	5			Norway Maple	Invasive
96		13		Norway Maple	Invasive
97		0		Norway Maple	Dead
98		22		B Cherry	Invasive
99		20		B Cherry	Good
100			30	Norway Maple	Invasive

151 Total Caliper Inches of removals



ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS PLAN OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.  
ALTERATION OF THIS DRAWING, EXCEPT IF DONE BY OR UNDER THE DIRECTION OF THE LICENSED L.A. THAT PREPARED THEM, IS A VIOLATION OF NYS EDUCATION LAW.

REVISION	DATE
REV. 1	04/12/23
REV. 2	04/20/23
REV. 3	04/24/23
REV. 4	05/02/23

**GARDEN LANE APARTMENTS**  
YORKTOWN, NY

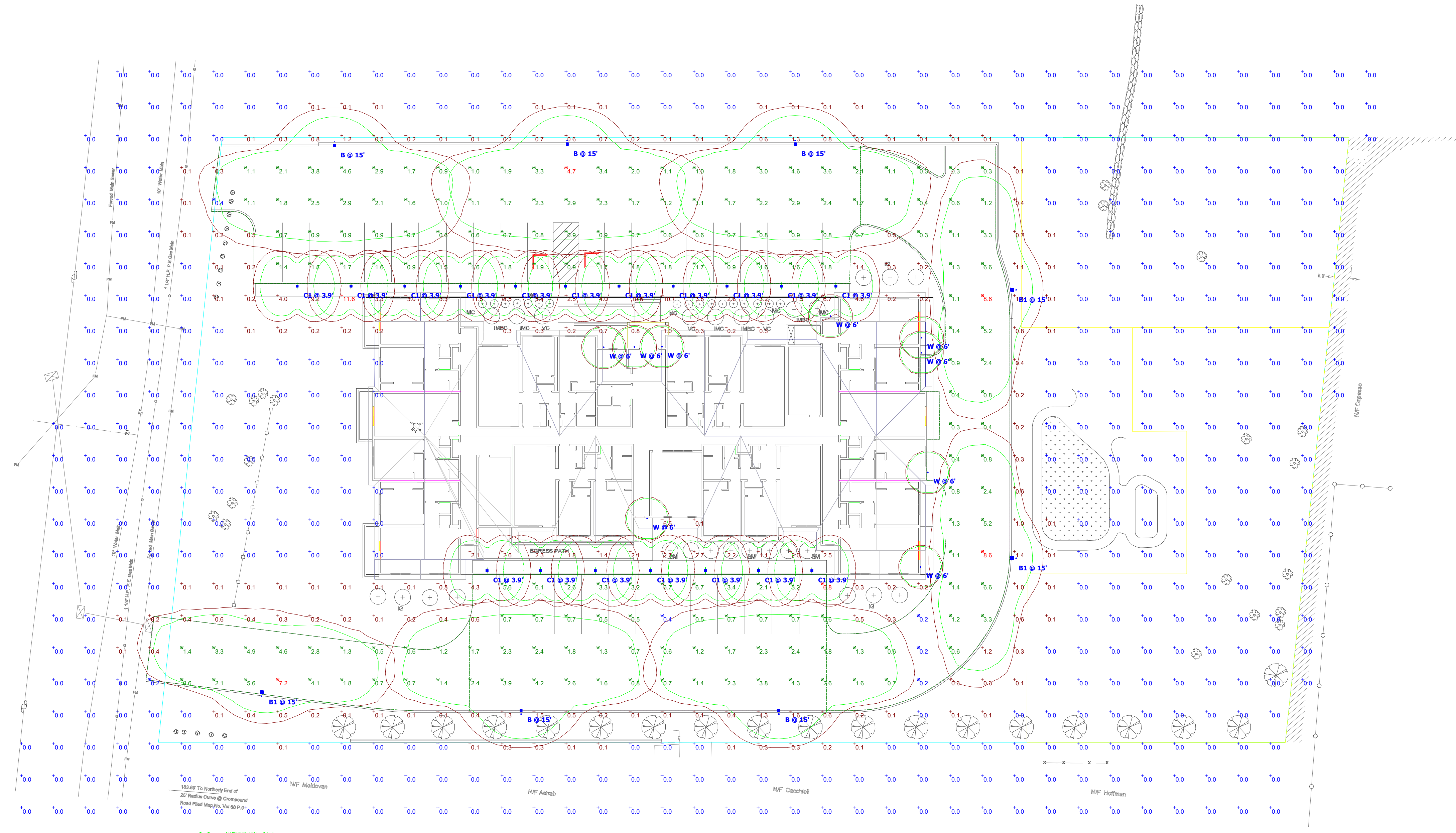
**TREE REMOVAL & MITIGATION PLAN**

**DANIEL SHERMAN**  
LANDSCAPE ARCHITECT  
4 BROADWAY - SUITE 9  
VALHALLA, NY 10595  
PHONE: (914) 824 - 0999  
FAX: (914) 824-0251  
dan.danshermanlandscape@gmail.com  
www.danshermanlandscape.com



<b>DATE:</b> MAR. 2, 2023	<b>SCALE:</b> 1" = 20' - 0"
------------------------------	--------------------------------

<b>DRAWN BY:</b> AL	<b>DRAWING #</b> L - 3
------------------------	---------------------------



1 SITE PLAN  
SCALE: 1" = 20'

Plan View  
Scale - 1" = 20ft

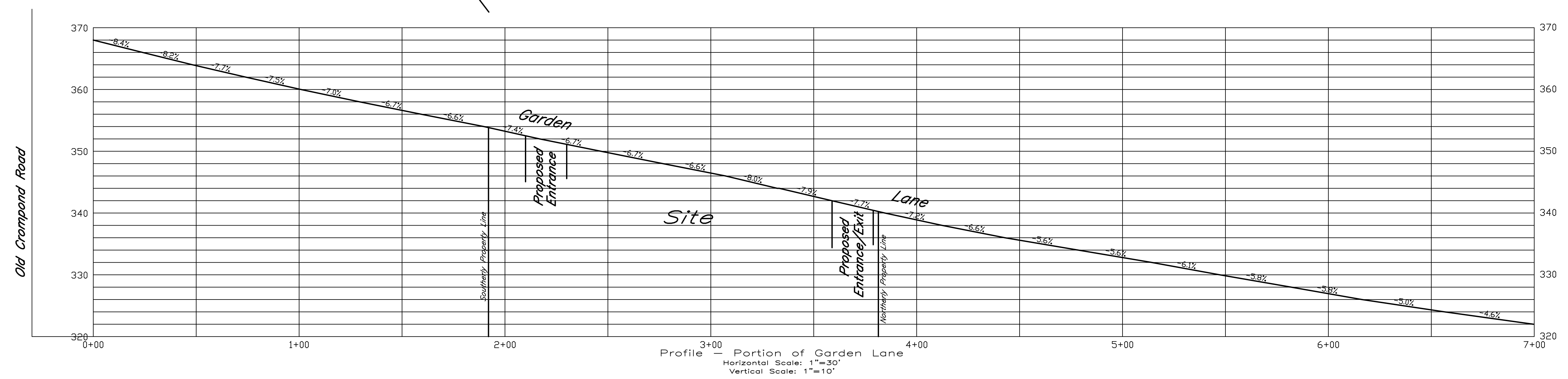
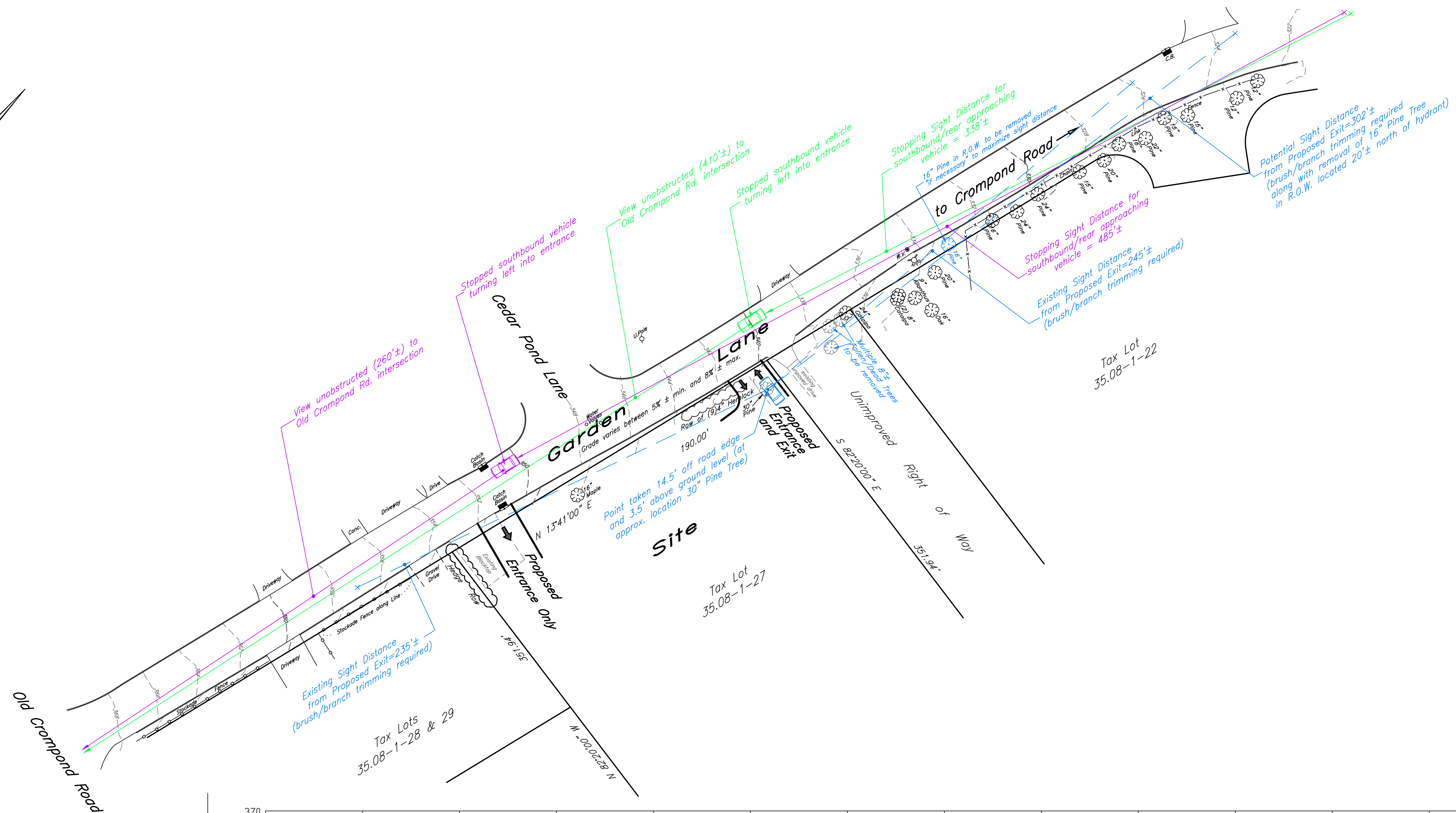
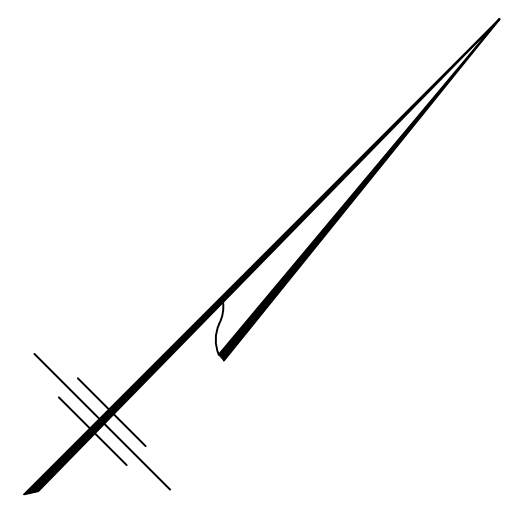
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
	B	5	Lithonia Lighting	RSX1 LED P1 30K R4 HS	RSX LED Area Luminaire Size 1 P1 Lumen Package 3000K CCT Type R4 Distribution with HS shield	1	4300	0.95	51.34
	B1	3	Lithonia Lighting	RSX1 LED P1 30K R2 HS	RSX LED Area Luminaire Size 1 P1 Lumen Package 3000K CCT Type R2 Distribution with HS shield	1	4901	0.95	51.34
	C1	18	Cyclone Lighting	CBM1701C-FGF-T5-P40-3K	CBM1701C	1	1754	0.95	42
	W	9	Lithonia Lighting	LDN4CYL 30/20 LO4AR LSS	4IN LDN CYLINDER, 3000K, 2000LM, CLEAR, SEMI-SPECULAR REFLECTOR, CRI80	1	1979	0.95	22.12

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
EAST DRIVE	✕	1.8 fc	8.6 fc	0.2 fc	43.0:1	9.0:1
NORTH PARKING	✕	1.7 fc	4.7 fc	0.4 fc	11.8:1	4.3:1
SITE	+	0.7 fc	11.6 fc	0.0 fc	N/A	N/A
SOUTH DRIVE	✕	2.4 fc	7.2 fc	0.2 fc	36.0:1	12.0:1
SOUTH PARKING	✕	2.3 fc	6.8 fc	0.4 fc	17.0:1	5.8:1

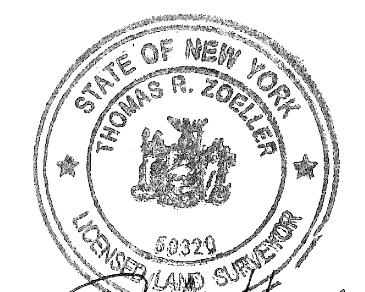
**Note**  
 1. MOUNTING HEIGHT AS NOTED ON DRAWING  
 2. CALCULATIONS TAKEN AT GRADE  
 3. CALCULATIONS ARE ESTIMATIONS BASED ON THE INFORMATION PROVIDED AND MAY VARY WITH ACTUAL CONDITIONS  
 4. BOLLARD SPACING AS NOTED ON DRAWING

GARDEN LANE APARTMENTS  
23-47782

Designer  
CE  
Date  
03/07/2023  
Scale  
AS NOTED  
Drawing No.  
Summary



Route & Sight Distance Survey  
 prepared for  
**Garden Lane Development LLC**  
 in the Town of  
**Yorktown**  
 Westchester County, N.Y.  
 Scale 1"=30' Dec. 22, 2022  
 Revised Jan. 4, 2023 for revised driveway locations, sight distances and road profile  
 Revised Jan. 23, 2023 for revised driveway access locations and sight lines



Thomas R. Ziegler  
 Ward Carpenter Engineers, Inc.  
 76 Mamaroneck Avenue  
 White Plains, N.Y. 10601

