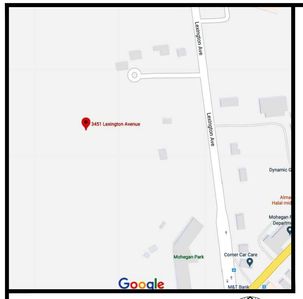

LOCATION MAP
NOT TO SCALE

N

Parcel I - Liber 4839 Page 32
Parcel II - Liber 4839 Page 32
30' Wide Access & Utility Easement Per Liber 4839 Page 32
10' Wide Strip Reserved For Dedication to The Town of Cortlandt Per Liber 4839 Page 32
934.62'
40.0'
30.0'
109.8'
706.6' RYSB
WF
Wetlands Flagged by Josh Fisher, Biologist, Bureau of Ecosystem Health June 5, 2019
Wetlands Flagged by Michael Nowicki, Biologist Ecological Solutions, LLC July 8, 2019
100.0 WETLAND SETBACK
Tax Lot 2
Total Area = 720,911.00 Sq.Ft. = 16.549 Acres
As Per Deed
PROPOSED AUTO STORAGE BUILDING
FIRST FLOOR 28,000 SF
FIRST FLOOR ELEV.: 435.0
LOWER LEVEL 30,000 SF
LOWER LEVEL ELEV.: 432.0
PROPOSED SHOWROOM / OFFICE
FIRST FLOOR 4,860 SF
FIRST FLOOR ELEV.: 449.0
PROPOSED ACCESSORY STORAGE BUILDING
FIRST FLOOR 3,528 SF
FIRST FLOOR ELEV.: 431.25
62.0'
30.0' FYSB
37.5'
250.0'
112.0'
62.2'
48.2'
407.40'
S 5° 14' 10" W
Edge of Pavement
LEXINGTON AVENUE
25' Wide Right of Way Per Liber 4218 Page 15
25.0'
N 85° 12' 00" W
262.24'
N 86° 02' 00" W
286.27'
Tax Lot 30
N/F Hyman Mendelowitz

NOTE:
1. *THIS IS NOT A SURVEY.* ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM SURVEY MAP PREPARED BY NAME OF SURVEYOR, DATED XX/XX/XX, LAST REVISED XX/XX/XX. THE TOPO SHOWN BEYOND THE BORDERS OF THE SURVEY HAVE BEEN AQUIRED FROM THE WESTCHESTER COUNTY GIS WEBSITE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EITHER TOPO SOURCE.

SITE DATA:

OWNER / DEVELOPER:	JACK AHEARN 20 PARK ROAD BRIARCLIFF MANOR, NY, 10510
PROJECT LOCATION:	3451 LEXINGTON AVE CORTLANDT, NEW YORK, 10547
EXISTING TOWN ZONING:	HC, HIGHWAY COMMERCIAL
PROPOSED USE:	AUTO STORAGE
TOWN TAX MAP DATA:	SECTION 13.19, BLOCK 2, LOT 2
SITE AREA :	16.55 ACRES (720,911 SF)
SEWAGE FACILITIES:	ONSITE SSTS
WATER FACILITIES:	PUBLIC WATER FACILITIES

ZONING DISTRICT:	HC - Highway Commercial		
DIMENSIONAL REGULATIONS:	REQUIRED	PROVIDED	VARIANCE REQUIRED
MINIMUM SIZE OF LOT:			
MINIMUM LOT AREA:	20,000 SF.	720,911 SF.	NONE
MINIMUM LOT WIDTH:	100 FT.	407.4 FT.	NONE
MINIMUM YARD DIMENSIONS:			
PRINCIPAL BUILDING:			
FRONT YARD SETBACK:	30 FT.	37.5 FT.	NONE
REAR YARD SETBACK:	30 FT.	706.6 FT.	NONE
SIDE YARD SETBACK:	30 FT.	48.2 FT.	NONE
ACCESSORY BUILDINGS:			
FRONT YARD SETBACK:	30 FT.	267.9	NONE
REAR YARD SETBACK:	30 FT.	644.9 FT.	NONE
SIDE YARD SETBACK:	30 FT.	62.2 FT.	NONE
MAXIMUM % OF LOT TO BE OCCUPIED:			
PRINCIPAL BUILDING COVERAGE:	20% OF LOT AREA 144,182.20 SF	4.9 % OF LOT AREA 34,880 SF	NONE NONE
MAXIMUM HEIGHT:			
PRINCIPAL BUILDING - FEET:	35 FEET		NONE
PRINCIPAL BUILDING - STORIES:	2 1/2		NONE
ACCESSORY BUILDING - FEET:	XX		NONE
ACCESSORY BUILDING - STORIES:	XX		NONE

ZONING REGULATION NOTES:
1. NO SINGLE USE, OTHER THAN A FOOD STORE, SHALL OCCUPY MORE THAN 4,000 SQUARE FEET.
2. THREE-AND FOUR-DWELLING S ARE LIMITED TO NO MORE THAN TWO BEDROOMS PER UNIT.
3. EXISTING BUILDINGS WITH MORE THAN 20,000 SQUARE FEET PER FLOOR SHALL BE CONSIDERED DIMENSIONALLY NONCONFORMING AS PER 307-81 OF THE TOWN OF CORTLANDT ZONING CODE.

0 5 10 20
SCALE: 1"=10'-0"

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PROJECT # 13-05

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Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
(914) 962-4488 - Fax: (914) 962-7386
www.sitedesignconsultants.com

Engineer: JOSEPH C. RINA, P.E. — STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER
Joseph C. Rina, P.E.
NYS Lic. No. 64431

Revisions:

No.	Date	Comments:

SCALE: 1" = 30'
DRAWN BY: TK
DATE: 12/30/19

TITLE SHEET

PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE LLC
3451 LEXINGTON AVENUE
Town of Cortlandt Westchester County, NY

Sheet T-1

F:\2019\19-54 JACK AHEARN - LEXINGTON AVENUE\ENGINEERING\CADD\3D-19-54 JACK AHEARN SITE PLAN 12-24-19 ALT 4.DWG, 1/16/2017 3:19:52 PM

NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

Tax Lot 1
N/F Eliahu H. Ram

S 85° 20' 10" E

Parcel I - Liber 4839 Page 32

Parcel II - Liber 4839 Page 32

30' Wide Access & Utility Easement
Per Liber 4839 Page 32

10' Wide Strip Reserved For Dedication to The Town of Cortlandt
Per Liber 4839 Page 32

934.62'

40.0'

30.0'

30.0' SYSB

EXISTING DRIVEWAYS TO BE ACCESSED
BY PROPOSED DRIVEWAY

ZONING SYSB LINE 30'

PROPOSED 14' HIGH RETAINING WALL

R1-1

PROPOSED 2.5' HIGH RETAINING WALL

706.6' RYSB

WF

Wetlands Flagged by Josh Fisher, Biologist.
Bureau of Ecosystem Health
June 5, 2019

16 PARKING SPACES

PROPOSED 6" CONC. CURB (TYP.)

PROPOSED FIRST FLOOR OVERHANG ABOVE

PROPOSED 23' HIGH RETAINING WALL

PROPOSED GUARD RAIL (TYP.)

6 PARKING SPACES

Tax Lot 2
Total Area = 720,911.00 Sq.Ft. = 16.549 Acres
As Per Deed

100.0 WETLAND SETBACK

Wetlands Flagged by Michael Nowicki, Biologist
Ecological Solutions, LLC
July 8, 2019

8 PARKING SPACES

PROPOSED 48" HIGH FENCE
BEHIND WALL (TYP.)

PROPOSED ACCESSORY
STORAGE BUILDING
FIRST FLOOR 3,528 SF
FIRST FLOOR ELEV.: 431.25

Wetlands Flagged by Josh Fisher, Biologist.
Bureau of Ecosystem Health
June 5, 2019

25' Wide Right of Way
Per Liber 4218 Page 15

433.14'

N 85° 12' 00" W

262.24'

PROPOSED AUTO STORAGE BUILDING
FIRST FLOOR 20,000 SF
FIRST FLOOR ELEV.: 449.0
LOWER LEVEL 30,000 SF
LOWER LEVEL ELEV.: 425.0

PROPOSED
SHOWROOM / OFFICE
FIRST FLOOR 4,880 SF
FIRST FLOOR ELEV.: 449.0

8 PARKING SPACES

62.0'

112.0'

ZONING SYSB LINE 30'

12 PARKING SPACES

10 PARKING SPACES

34 PARKING SPACES

407.40'

N 86° 02' 00" W

286.27'

PROPOSED 4.5' HIGH RETAINING WALL

S 5° 14' 10" W

AVENUE

Edge of Pavement

LEXINGTON

Edge of Pavement

Tax Lot 30
N/F Hyman Mendelowitz

NOTE:

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0 5 10 20

SCALE: 1"=10'-0"

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www.sitedesignconsultants.com

PROJECT # 13-05

Engineer: Joseph C. Rinna, P.E.
NYS Lic. No. 64431

Revisions:

No.	Date	Comments:

SCALE: 1" = 30'

DRAWN BY: TK

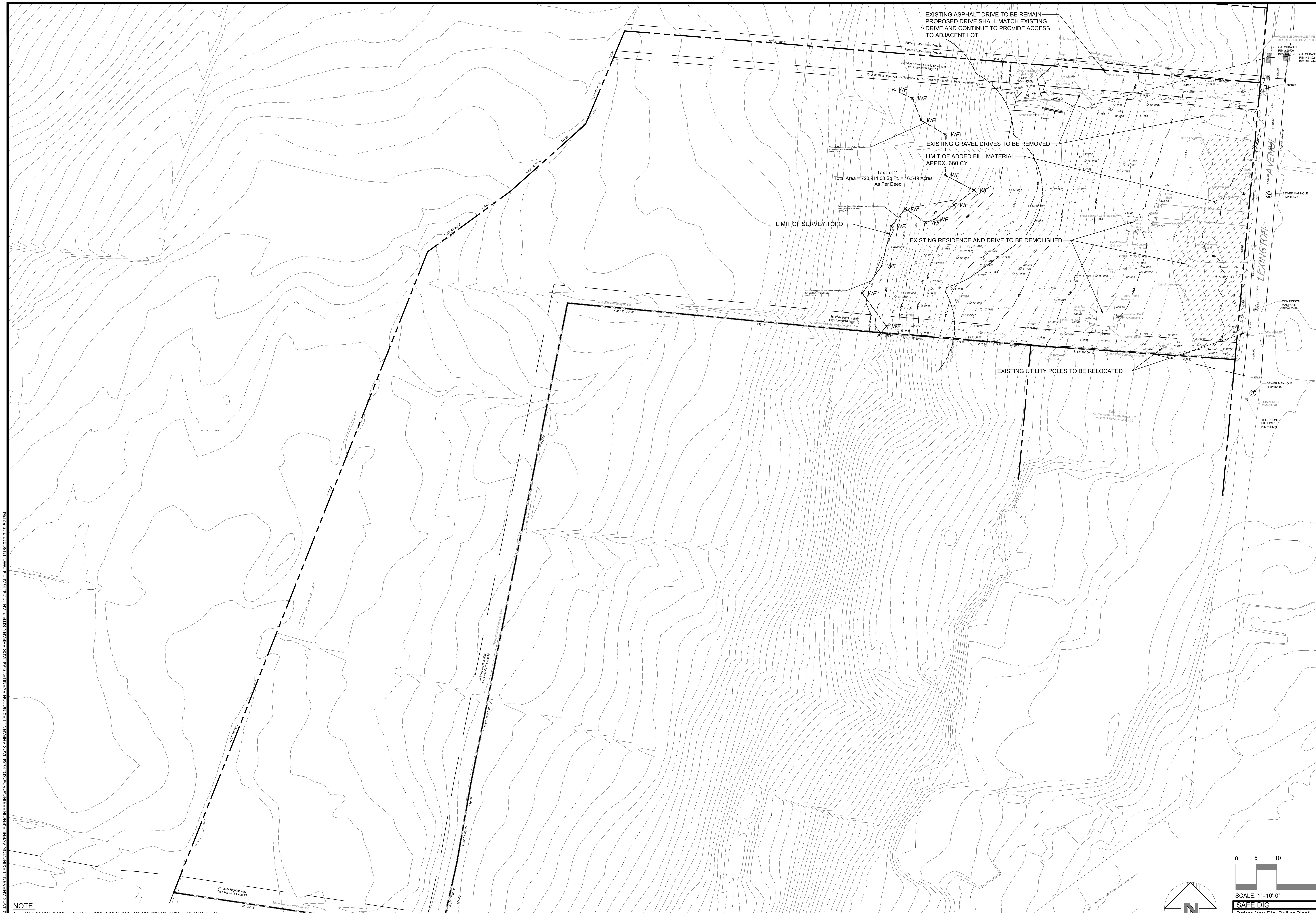
DATE: 12/30/19

SITE PLAN

PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE LLC
3451 LEXINGTON AVENUE
Town of Cortlandt Westchester County, NY

Sheet C-101

F:\2019\19-54 JACK AHEARN\-1 LEXINGTON AVENUE\ENGINEERING\CADD\C3D-19-54 JACK AHEARN-1 LEXINGTON AVENUE\19-54 JACK AHEARN SITE PLAN 12-24-19 ALT 4.DWG, 1/16/2017, 3:19:52 PM



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0 5 10 20
SCALE: 1"=10'-0"

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PROJECT # 13-05

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www.sitedesignconsultants.com

Engineer:
Joseph C. Riina, P.E.
NYS Lic. No. 64431

Revisions:

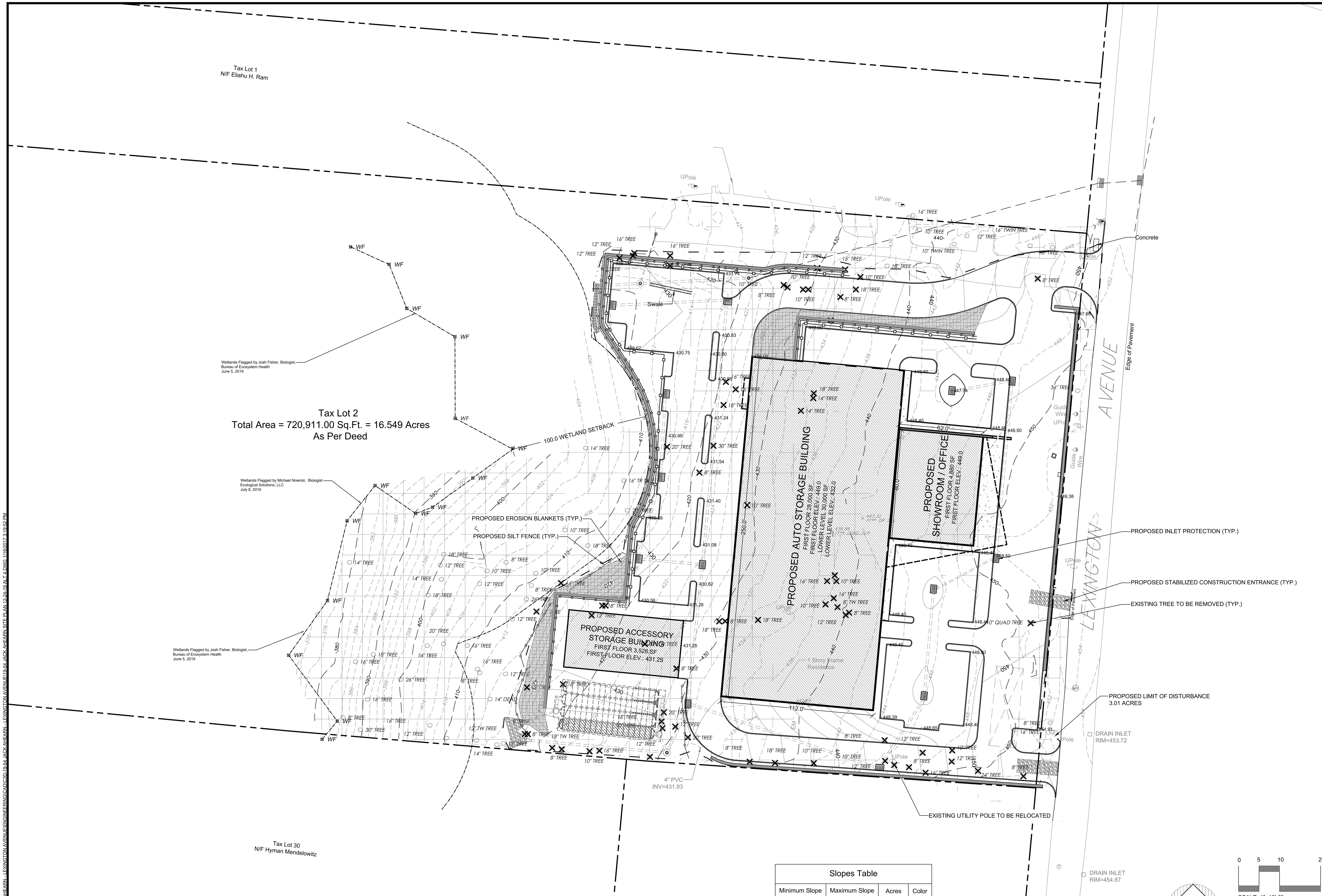
No.	Date	Comments:

SCALE: 1" = 60'
DRAWN BY: TK
DATE: 12/30/19

EXISTING CONDITIONS

PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE LLC
3451 LEXINGTON AVENUE
Town of Cortlandt Westchester County, NY

Sheet C-102



Tax Lot 1
N/F Eliahu H. Ram
Tax Lot 2
Total Area = 720,911.00 Sq.Ft. = 16.549 Acres
As Per Deed
100.0 WETLAND SETBACK
Wetlands Flagged by Josh Fisher, Biologist, Bureau of Ecosystem Health June 5, 2019
Wetlands Flagged by Michael Nowicki, Biologist Ecological Solutions, LLC July 8, 2019
PROPOSED EROSION BLANKETS (TYP.)
PROPOSED SILT FENCE (TYP.)
Swale
PROPOSED AUTO STORAGE BUILDING
FIRST FLOOR 28,000 SF
FIRST FLOOR ELEV. 449.0
LOWER LEVEL 30,000 SF
LOWER LEVEL ELEV. 432.0
PROPOSED SHOWROOM / OFFICE
FIRST FLOOR 4,880 SF
FIRST FLOOR ELEV. 449.0
PROPOSED ACCESSORY STORAGE BUILDING
FIRST FLOOR 3,528 SF
FIRST FLOOR ELEV. 431.25
1 Story Frame Residence
Concrete
Edge of Pavement
LEXINGTON AVENUE
PROPOSED INLET PROTECTION (TYP.)
PROPOSED STABILIZED CONSTRUCTION ENTRANCE (TYP.)
EXISTING TREE TO BE REMOVED (TYP.)
PROPOSED LIMIT OF DISTURBANCE
3.01 ACRES
DRAIN INLET
RIM=453.72
DRAIN INLET
RIM=454.87
4" PVC
INV=431.93
EXISTING UTILITY POLE TO BE RELOCATED
Tax Lot 30
N/F Hyman Mendelowitz
SCALE: 1"=10'-0"
SAFE DIG
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Slopes Table			
Minimum Slope	Maximum Slope	Acres	Color
15%	> 15%	0.98 ac.	

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F:\2019\19-54 JACK AHEARN - LEXINGTON AVENUE

PROJECT # 13-05

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www.sitedesignconsultants.com

Engineer:
Joseph C. Riina, P.E.
NYS Lic. No. 64431

Revisions:		
No.	Date	Comments:

SCALE: 1" = 30'
DRAWN BY: TK
DATE: 12/30/19

E&SC PLAN

PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE LLC
3451 LEXINGTON AVENUE
Town of Cortlandt Westchester County, NY

Sheet C-103

Tax Lot 1
N/F Eliahu H. Ram

Tax Lot 2
Total Area = 720,911.00 Sq.Ft. = 16.549 Acres
As Per Deed

Wetlands Flagged by Josh Fisher, Biologist,
Bureau of Ecosystem Health
June 5, 2019

Wetlands Flagged by Michael Nowicki, Biologist
Ecological Solutions, LLC
July 8, 2019

Wetlands Flagged by Josh Fisher, Biologist,
Bureau of Ecosystem Health
June 5, 2019

100.0 WETLAND SETBACK

EXISTING 8" PIPE TO BE EXTENDED TO PROPOSED MANHOLE

T.W.: 430.0
B.W.: 418.0

DMH-1
RIM: 426.10
INV. IN: 422.24
INV. OUT: 421.99

T.W.: 430.0
B.W.: 412.0

PROPOSED RIP RAP CHANNEL AT THE END OF 18" PIPE EXTENSION

CB-8
RIM: 428.45
INV. OUT: 424.98

T.W.: 430.0
B.W.: 407.0

PROPOSED 18" HDPE PIPE
L = 81.36, S = 0.5%

CB-9
RIM: 431.16
INV. IN: 424.56
INV. OUT: 424.31

T.W.: 431.0
B.W.: 410.3

CB-11
RIM: 430.03
INV. OUT: 426.53

PROPOSED 18" HDPE PIPE
L = 57.05, S = 0.5%

CB-12
RIM: 430.52
INV. IN: 426.22
INV. OUT: 425.97

PROPOSED 18" HDPE PIPE
L = 57.93, S = 0.5%

CB-10
RIM: 430.99
INV. IN: 423.34, 425.17
INV. OUT: 423.09

CB-13
RIM: 429.60
INV. IN: 425.66
INV. OUT: 425.41

PROPOSED 18" HDPE PIPE
L = 45.42, S = 0.5%

T.W.: 430.0
B.W.: 413.0

T.W.: 431.0
B.W.: 426.0

T.W.: 430.0
B.W.: 422.0

DRAIN INLET
RIM=419.94
8" CPP
INV=417.68

T.W.: 432.0
B.W.: 424.0

18" CPP
INV.=423.0

DMH-1
RIM: 426.10
INV. IN: 422.24
INV. OUT: 421.99

EXISTING 18" CPP PIPE TO BE EXTENDED WITH MANHOLES AND 18" HDPE PIPE AS SHOWN

PROPOSED 18" HDPE PIPE
L = 191.11, S = 0.5%

T.W.: 449.0
B.W.: 435.0

T.W.: 449.0
B.W.: 442.0

T.W.: 431.0
B.W.: 412.0

T.W.: 431.0
B.W.: 413.4

PROPOSED ACCESSORY STORAGE BUILDING
FIRST FLOOR 3,528 SF
FIRST FLOOR ELEV.: 431.25
TP #6

PROPOSED AUTO STORAGE BUILDING
FIRST FLOOR 26,000 SF
FIRST FLOOR ELEV.: 449.0
LOWER LEVEL 30,000 SF
LOWER LEVEL ELEV.: 432.0

PROPOSED SHOWROOM / OFFICE
FIRST FLOOR 4,890 SF
FIRST FLOOR ELEV.: 449.0

TP #1
TP #2
TP #3
TP #4
TP #7

Story Farms Residence

POSSIBLE DRAINAGE PIPE DIRECTION TO BE VERIFIED

CATCHBASIN
RIM=451.00
INV=444.13

CATCHBASIN
RIM=451.02
INV OUT=446.17

Concrete

STORMWATER DEEP TEST AND INFILTRATION TEST HOLES (TYP)

Edge of Pavement

LEXINGTON AVENUE

CB-2
RIM: 447.65
INV. IN: 443.94
INV.OUT: 443.69

PROPOSED 18" HDPE PIPE
L = 42.36, S = 0.5%

CB-1
RIM: 447.73
INV. OUT: 444.16

SEWER MANHOLE
RIM=453.75

PROPOSED 18" HDPE PIPE
L = 125.3, S = 0.5%

CB-3
RIM: 448.49
INV. IN: 443.04
INV.OUT: 442.79

PROPOSED 18" HDPE PIPE
L = 48.63, S = 0.5%

CB-4
RIM: 447.82
INV. IN: 442.53
INV.OUT: 442.28

PROPOSED 18" HDPE PIPE
L = 74.43, S = 0.5%

CB-5
RIM: 447.78
INV. IN: 441.89
INV.OUT: 441.64

PROPOSED SEPTIC AREA

CON EDISON MANHOLE
RIM=453.99

DRAIN INLET
RIM=453.72

SEWER MANHOLE
RIM=454.92

DRAIN INLET
RIM=454.87

TELEPHONE MANHOLE
RIM=455.16

STORMTECH MC-4500
64 CHAMBERS
SYSTEM INV.:416.0

PROPOSED 18" HDPE PIPE
L = 98.50, S = 0.5%

PROPOSED 18" HDPE PIPE
L = 34.55, S = 0.5%

PROPOSED 18" HDPE PIPE
L = 97.18, S = 2.38%

BYPASS
RIM: 430.50
INV. IN: 422.14
INV.OUT: 420.82, 421.75

4" PVC
INV=431.93

CB-7
RIM: 431.60
INV. IN: 426.67, 422.58
INV.OUT: 422.33

PROPOSED 18" HDPE PIPE
L = 145.28, S = 7.7%

PROPOSED 18" HDPE PIPE
L = 58.69, S = 5.1%

EXISTING UTILITY POLE TO BE RELOCATED

CB-6
RIM: 442.98
INV. IN: 438.35
INV.OUT: 438.10

Tax Lot 30
N/F Hyman Mendelowitz

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SCALE: 1"=10'-0"

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F:\2019\19-54 JACK AHEARN - LEXINGTON AVE\ENGINEERING\CAD\C3D-19-54 JACK AHEARN SITE PLAN 12-24-19 ALT 4.DWG 11/6/2017 3:19:52 PM

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PROJECT # 13-05

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Engineer: JOSEPH C. RIINA — STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER
Joseph C. Riina, P.E.
NYS Lic. No. 64431

Revisions:

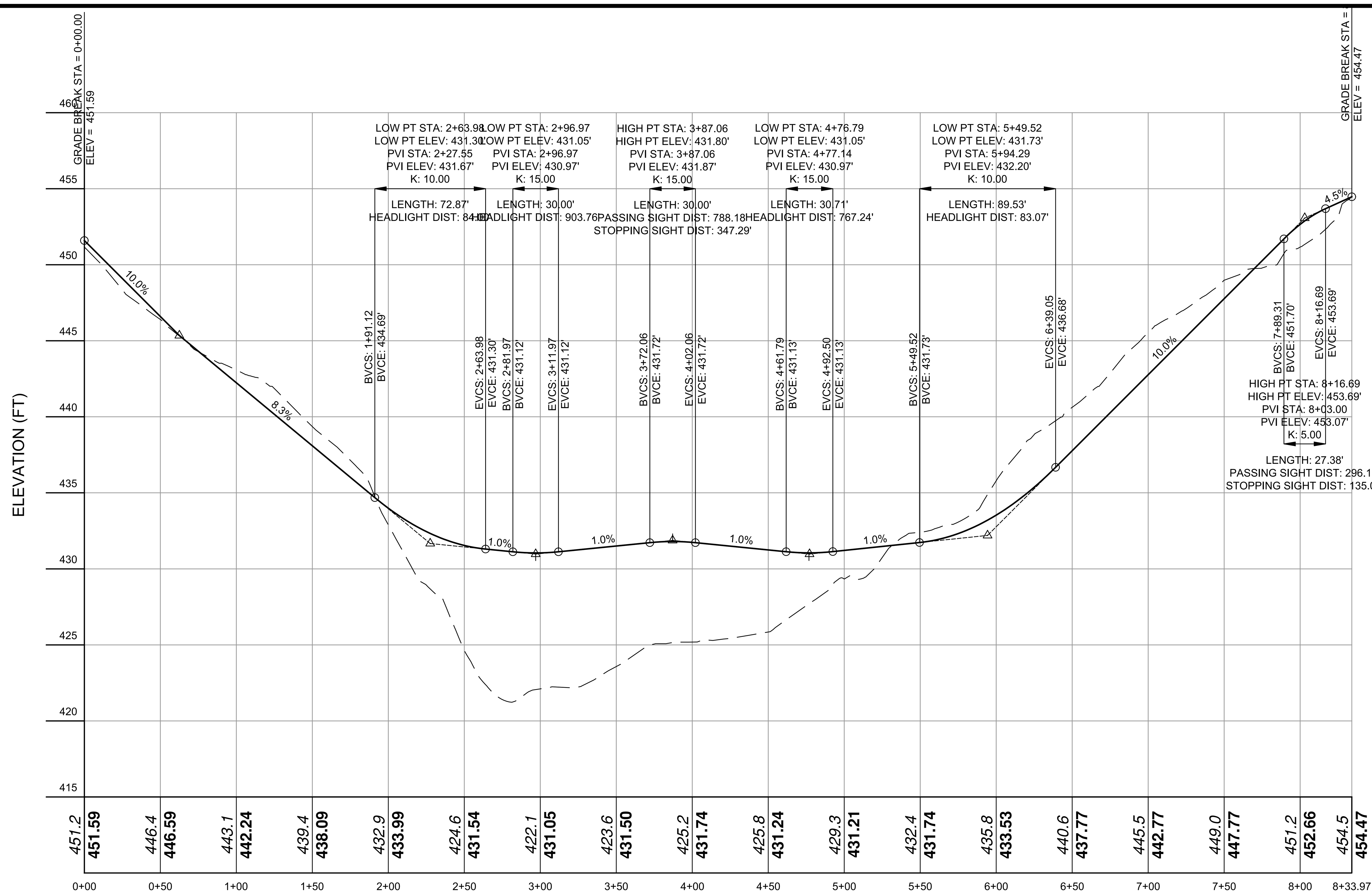
No.	Date	Comments:

SCALE: 1" = 30'
DRAWN BY: TK
DATE: 12/30/19

IMPROVEMENT PLAN

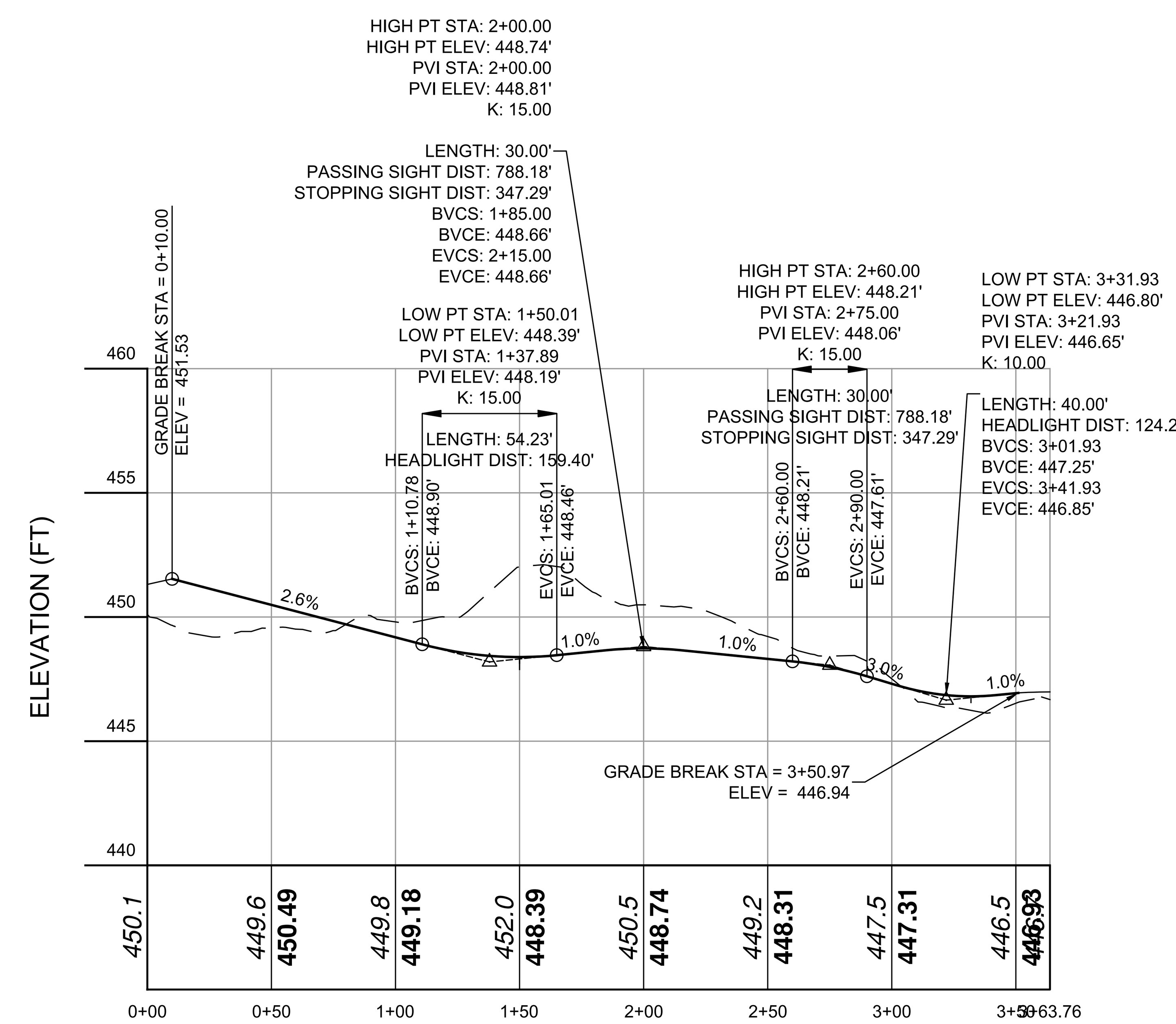
PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE LLC
3451 LEXINGTON AVENUE
Town of Cortlandt — Westchester County, NY

Sheet C-104



DISTANCE ALONG BASELINE (FT)

PROPOSED MAIN DRIVE
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



DISTANCE ALONG BASELINE (FT)

FRONT DRIVE
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50

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www.sitedesignconsultants.com

PROJECT # 13-05

Engineer:
Joseph C. Riina, P.E.
NYS Lic. No. 64431

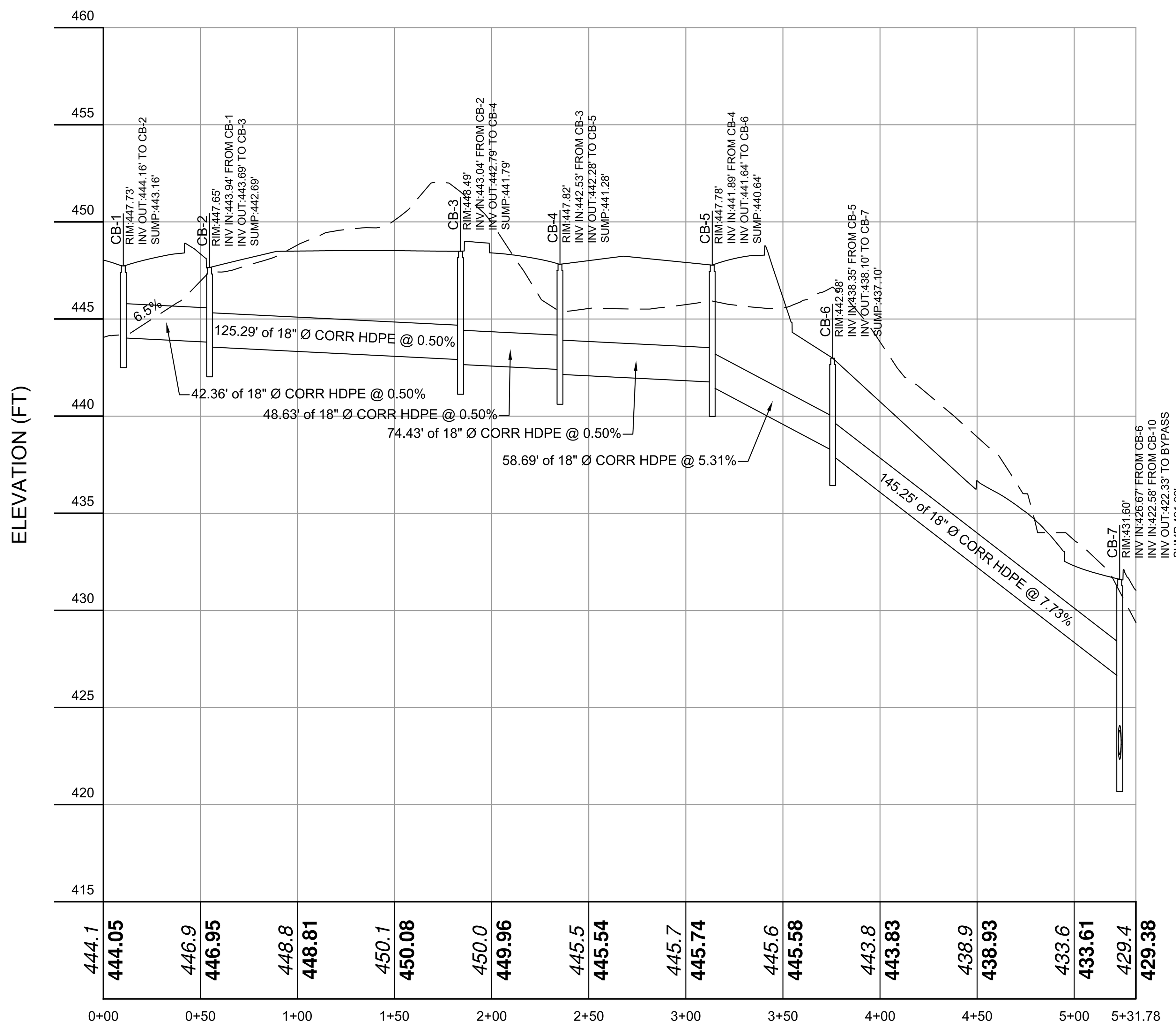
Revisions: No.	Date	Comments:

SCALE: ########
DRAWN BY: TK
DATE: 12/30/19

PROFILES

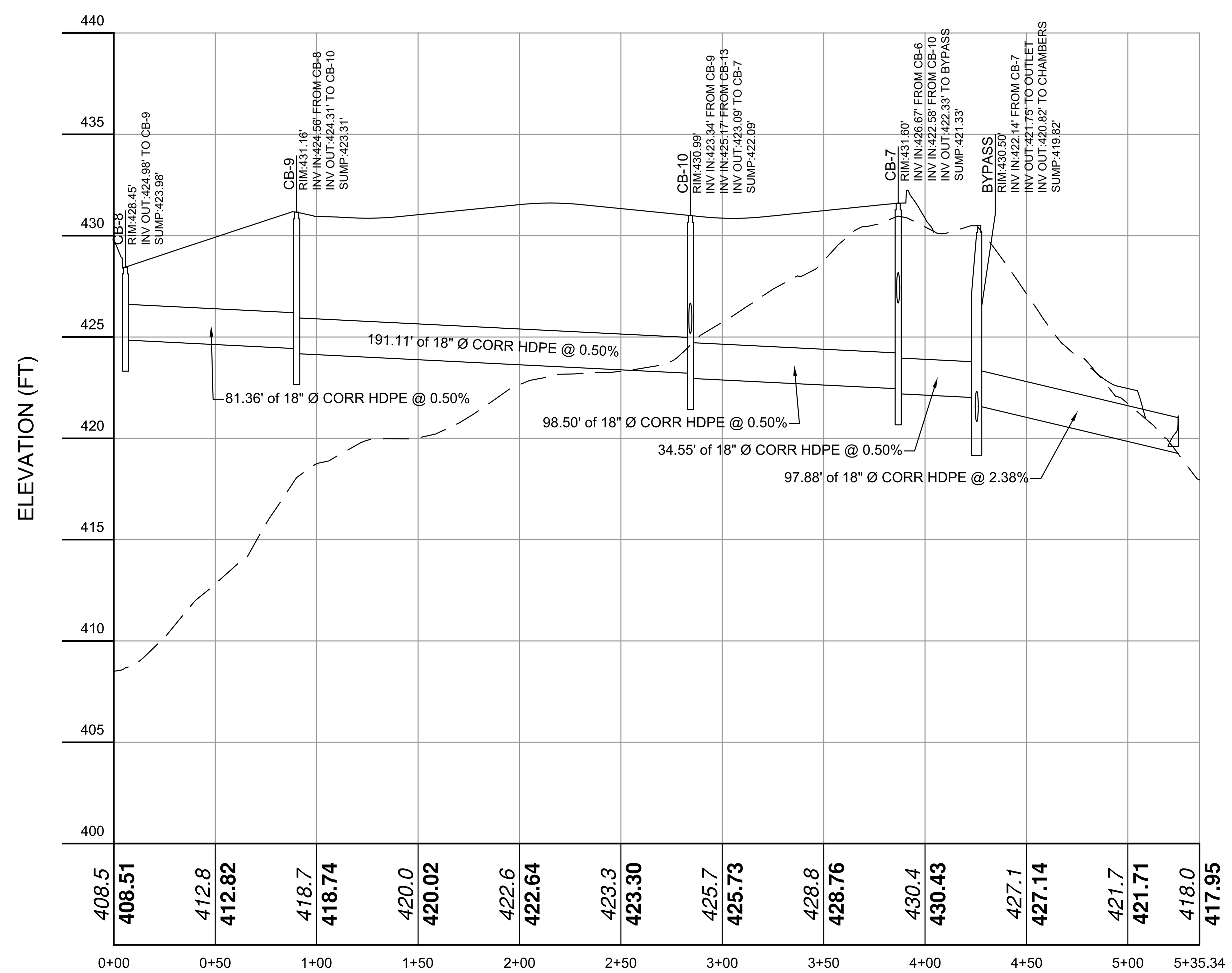
PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE LLC
3451 LEXINGTON AVENUE
Town of Cortlandt, Westchester County, NY

Sheet C-301



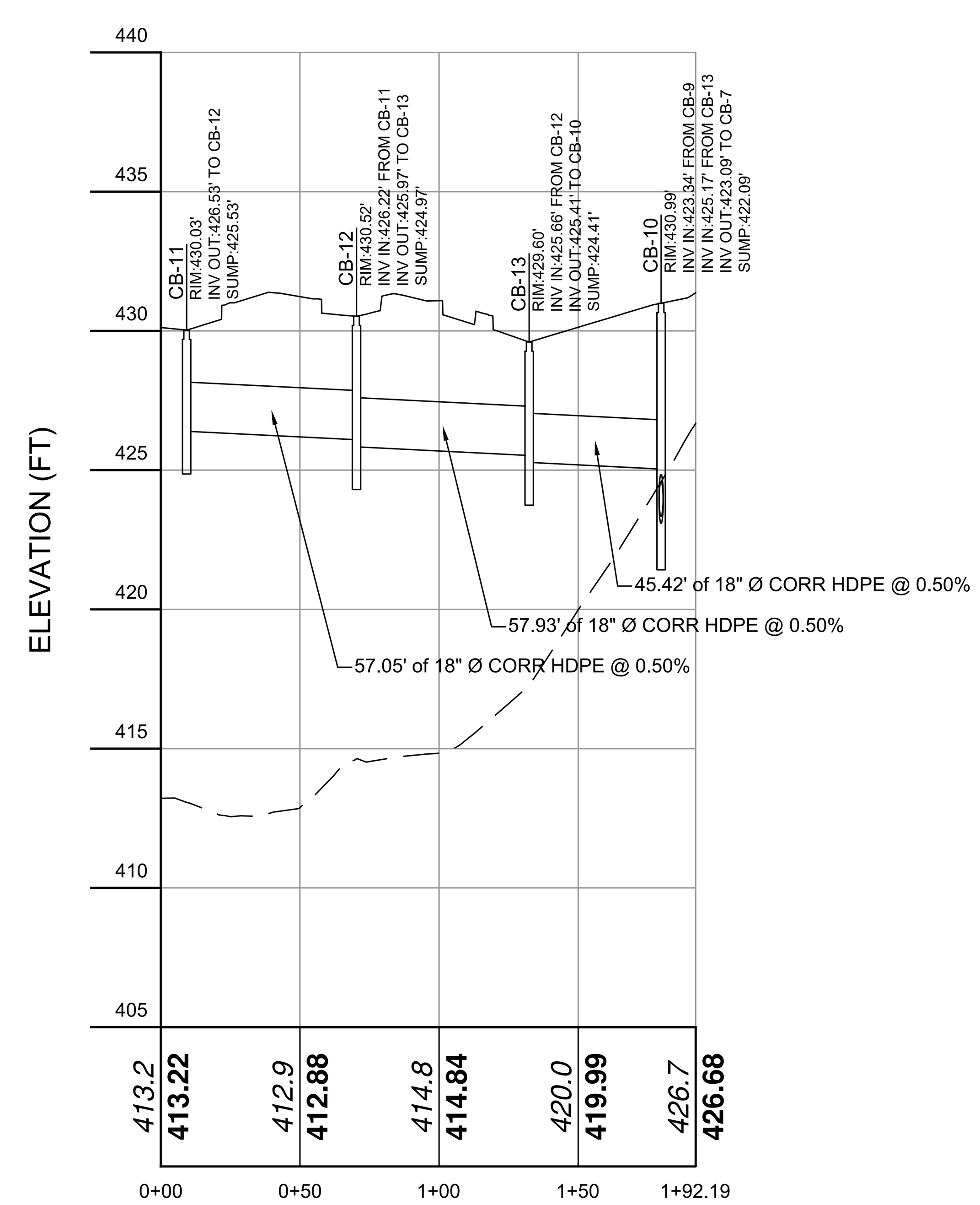
DISTANCE ALONG BASELINE (FT)

CB-1 TO CB-7
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



DISTANCE ALONG BASELINE (FT)

CB-8 TO OUTLET
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50



DISTANCE ALONG BASELINE (FT)

CB-11 TO CB-10
VERT. SCALE: 1" = 5
HORIZ. SCALE: 1" = 50

NOTE:
1. *THIS IS NOT A SURVEY.* ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM SURVEY MAP PREPARED BY DANIEL T. MERRITTS, DATED 6/10/19, LAST REVISED 7/8/19. THE TOPO SHOWN BEYOND THE BORDERS OF THE SURVEY HAVE BEEN AQUIRED FROM THE WESTCHESTER COUNTY GIS WEBSITE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EITHER TOPO SOURCE.

F:\2019\19-54 JACK AHEARN - LEXINGTON AVENUE\ENGINEERING\CAD\C3D-19-54 JACK AHEARN - LEXINGTON AVENUE\19-54 JACK AHEARN GRADE BASE 1-6-19.DWG 1/16/2017 3:19:52 PM

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PROJECT # 13-05

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Revisions:		
No.	Date	Comments:

SCALE: ########
DRAWN BY: TK
DATE: 12/30/19

UTILITY PROFILES

PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE LLC
3451 LEXINGTON AVENUE
Town of Cortlandt Westchester County, NY

Sheet C-302

GENERAL NOTES:

1. THE ENGINEER WHOSE SEAL APPEARS HEREON HAS NOT BEEN RETAINED FOR SUPERVISION OF CONSTRUCTION, SUBSEQUENTLY,HE IS NOT RESPONSIBLE FOR CONSTRUCTION AND THEREFORE ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION PRACTICES, PROCEDURES, AND RESULTS THEREFROM.
2. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE OR HELD ACCOUNTABLE FOR THE INTEGRITY OF ANY STRUCTURES CONSTRUCTED OR UNDER CONSTRUCTION PRIOR TO THE APPROVAL OF THE PLANS.
3. THE TOWN ENGINEER'S OFFICE AND WATER DISTRICT OFFICE IS TO BE NOTIFIED 24 HOURS BEFORE COMMENCING SITE CONSTRUCTION OR WATER MAIN CONNECTION.
4. ALL WORK IS TO BE IN ACCORDANCE WITH THE TOWN CODE OF PRACTICE AND SPECIFICATIONS.
5. ALL CONDITIONS, LOCATIONS, AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
6. ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER WHOSE SEALAPPEARS ON THESE DRAWINGS. ANY SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
7. ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL IN A "CODE 53" PRIOR TO CONSTRUCTION FOR UNDERGROUND UTILITY LOCATIONS. 9. SUBSTRUCTURES AND THEIR ENCROACHMENTS BELOW GRADE, IF ANY, ARE NOT SHOWN.
9. ANY PROPOSED ELECTRIC AND/OR TELEPHONE SERVICE LINES ARE TO BE PLACED UNDERGROUND.
10. THE DESIGN ENGINEER DISCLAIMS ANY LIABILITY FOR DAMAGE OR LOSS INCURRED DURING OR AFTER CONSTRUCTION.
11. ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE OWNER/ENGINEER NOTIFIED IN WRITING OF ANY DISCREPANCIES PRIOR TO THE START OF WORK. THE OWNER/ENGINEER WILL EVALUATE THE SITUATION AND MODIFY THE PLAN AS NECESSARY.

CONTRACTOR RESPONSIBILITIES:

1. ALL WORK ON THE PROJECT SHALL BE PERFORMED IN A WORKMAN LIKE MANNER AND SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE INDUSTRY. THE OWNER WILL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF THE WORK. MATERIALS AND WORK DEEMED UNACCEPTABLE WILL BE REMOVED AND REDONE AT THE SOLE COST AND RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT HIS WORK AND WILL BE HELD RESPONSIBLE FOR CONSEQUENTIAL DAMAGES DUE TO HIS ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEE, AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY THE WORK UNDER A SEPARATE CONTRACT WITH THE CONTRACTOR.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SHORE EXISTING UTILITIES IF REQUIRED BY CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE THE BUILDING INSPECTOR IN ADVANCE OF HIS WORK OR AS THE INSPECTOR DEEMS APPROPRIATE.
5. ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE OWNER/ENGINEER NOTIFIED IN WRITING OF ANY DISCREPANCIES PRIOR TO THE START OF WORK. THE OWNER/ENGINEER WILL EVALUATE THE SITUATION AND MODIFY THE PLAN AS NECESSARY.
6. ALL CHANGES MADE TO THIS PLAN SHALL BE APPROVED BY THE ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS. ANY UNAUTHORIZED ALTERATION OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.
7. 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 THIS CONTRACT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS, AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
9. THE CONTRACTOR SHALL VERIFY ALL SUBSTRUCTURES ENCOUNTERED DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL SECURE & PAY FOR A BUILDERS RISK POLICY TO COVER THE PERIOD OF CONSTRUCTION. THE ENGINEER & OWNER SHALL BE NAMED AS ADDITIONAL INSURED. ALL CONTRACTORS EMPLOYED AT THE SITE SHALL BE COVERED BY WORKMAN'S COMPENSATION.

GENERAL CONSTRUCTION NOTES:

1. BENCH MARKS USING U.S.G.S. DATUM SHALL BE OF SUCH ELEVATION THAT THE GROUND WILL SLOPE AWAY FROM IT IN ALL DIRECTIONS.
2. CONSTRUCTION ACTIVITY SHALL BE LIMITED FROM 8:00 A.M. TO 6 P.M., AND NO CONSTRUCTION ACTIVITY SHALL OCCUR ON SUNDAYS OR LEGAL NEW YORK STATE HOLIDAYS. WHERE BLASTING IS NECESSARY, IT SHALL OCCUR FROM MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 8:00 A.M. AND 6:00 P.M. NO BLASTING SHALL OCCUR ON HOLIDAYS, SATURDAY OR SUNDAY. ALL BLASTING SHALL ALSO BE COMPLETED IN ACCORDANCE WITH THE TOWN OF OSSINING AND NEW YORK STATE BLASTING ORDINANCES.
3. ANY SOIL THAT IS UNSUITABLE FOR DEVELOPMENT OF BUILDINGS OR ROADWAYS SHALL BE REMOVED FROM AREAS TO BE DEVELOPED AND SHALL BE DISPOSED OF WITHIN THE SITE IN NEW EMBANKMENTS WHERE STRUCTURAL LOADING, I.E. A BUILDING OR ROADWAY, WILL NOT TAKE PLACE. WHEN CONSTRUCTION IS PROPOSED TO OCCUR IN SPECIFIC AREAS WHERE SOILS ARE OF QUESTIONABLE SUITABILITY, THE APPLICANT SHALL PROVIDE SOILS ENGINEERING REPORTS AS REQUIRED BY THE PLANNING BOARD ENGINEER, PRIOR TO THE CONSTRUCTION OF ROADWAYS AND, AS REQUIRED BY THE BUILDING INSPECTOR, PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
4. NO TOPSOIL SHALL BE REMOVED FROM THE SITE.
5. ROCK CUT STABILITY IS TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER AND SHALL BE MODIFIED IF REQUIRED.
6. NO CRUSHING/PROCESSING IS PERMITTED ON THE SITE WITHOUT PRIOR APPROVAL BY THE TOWN OF OSSINING PLANNING BOARD.

GENERAL STORM DRAINAGE & UTILITY NOTES

1. ALL UTILITIES, INCLUDING ELECTRIC LINES, TELEPHONE, WATER, SANITARY SEWER LINES, AND STORM SEWER LINES SHALL BE LOCATED UNDERGROUND AND SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF OSSINING AND THE UTILITY COMPANIES HAVING JURISDICTION.
2. LOCATION OF GAS AND WATER VALVES, ELECTRIC AND TELEPHONE POLES ARE TO BE DETERMINED BY PROPER AUTHORITIES AND APPROVED, AS TO LOCATION, BY THE TOWN ENGINEER.
3. EACH BUILDING CONSTRUCTED HEREON SHALL BE OF SUCH AN ELEVATION THAT THE GROUND WILL SLOPE AWAY FROM IT IN ALL DIRECTIONS. IN THE EVENT THAT THIS IS NOT FEASIBLE, THE CONTRACTOR SHALL INSTALL TYPICAL YARD DRAINS AS REQUIRED AND CONNECT THEM TO THE STORM DRAINAGE SYSTEM OR AS DIRECTED BY THE PROJECT ENGINEER.
4. ROOF LEADERS AND FOOTING DRAINS SHALL EMPTY INTO THE STORM DRAINAGE SYSTEM OR DISCHARGE DIRECTLY TO STORMWATER MANAGEMENT SYSTEMS IF GRADES PERMIT, AND CONNECTION TO THE STORM SYSTEM IS NOT FEASIBLE, FOOTING DRAINS ONLY MAY DISCHARGE TO DAYLIGHT AT THE REAR OF BUILDINGS. FOOTING DRAINS SHALL EXTEND A MINIMUM OF 30 FT. FROM THE REAR FACE OF THE BUILDING WHEN POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE DISCHARGE OF GROUND WATER OR STORM WATER, EITHER BY GRAVITY OR BY PUMPING, BE DISCHARGED TO ANY SANITARY SEWER SYSTEM.
5. ANY REVISIONS AND/OR ADDITIONS TO THE ROAD STORM DRAINAGE SYSTEMS CURRENTLY SHOWN ON THE PLANS WHICH ARE DEEMED NECESSARY DURING CONSTRUCTION MUST BE MADE BY THE CONTRACTOR AS REQUIRED BY THE TOWN AND SHALL BE SHOWN ON THE AS-BUILT DRAWINGS.
6. STORM DRAIN PIPING TO BE HIGH DENSITY POLYETHYLENE AS SHOWN ON THE CONSTRUCTION DRAWINGS. MINIMUM COVER TO BE 2' UNLESS OTHERWISE NOTED.
7. INTERCEPTOR DRAINS ARE TO BE INSTALLED WHERE REQUIRED BY THE TOWN OR PROJECT ENGINEER DURING ROAD CONSTRUCTION.
8. ALL EXISTING UNDERGROUND DRAINS ENCOUNTERED DURING CONSTRUCTION OF PROPOSED ROADS ARE TO BE CONNECTED TO PROPOSED DRAINAGE IMPROVEMENTS. CONNECTIONS TO BE APPROVED BY THE TOWN ENGINEER.
9. PRIOR TO FINAL APPROVAL AND OPERATION OF DRAINAGE SYSTEM, CONTRACTOR SHALL CLEAR ALL ACCUMULATED SEDIMENT AND/OR DEBRIS FROM DRAINAGE STRUCTURES, MANHOLES, CULVERTS, OUTLETS AND DRAIN INLETS. ENGINEER SHALL BE NOTIFIED FOR FINAL INSPECTION.
10. ALL STRUCTURES SHALL BE SET ONE INCH BELOW PAVEMENT.
11. STREET OPENING PERMIT FROM THE TOWN OF OSSINING D.P.W. MAY BE REQUIRED FOR INSTALLATIONS IN PUBLIC ROADS.

WALL NOTES:

1. EXCAVATION IN GENERAL SHALL CONFORM TO THE LINES AND GRADES SHOWN ON THE CONTRACT DRAWINGS.
2. THE ENGINEER SHALL BE NOTIFIED OF UNSUITABLE SUB-GRADE SOILS PRIOR TO PLACEMENT OF WALL.
3. WALLS TO BE CONSTRUCTED ON VIRGIN IN-SITU SOIL SHALL HAVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 2 TSF. ALL OTHER CONDITIONS SHALL BE APPROVED BY THE GEOTECHINICAL ENGINEER.
4. TO INSURE A PROPER BEARING SURFACE, THE WALL SHALL BE CONSTRUCTED ON NATURAL IN-SITU SOIL, THE CONTRACTOR SHALL STRIP ALL TOP SOIL. THE AREA SHALL THEN BE COMPACTED USING SUITABLE COMPACTION EQUIPMENT. A MINIMUM OF 3 PASSES SHALL BE MADE.
5. WALLS SHALL NOT BE CONSTRUCTED ON WET OR FROZEN GROUND.
6. SOILS USED AS BACKFILL SHALL CONSIST OF CLEAN DRY SOIL. THE MATERIAL SHALL BE GRANULAR AND FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL. IN GENERAL THE SOIL SHALL BE NON- PLASTIC WITH A PLASTICITY INDEX LESS THAN 5 AND SHALL CONFORM TO THE AASHTO SOIL CLASSIFICATION SYSTEM FOR AN "A-1-A" SOIL . HOWEVER THE MAXIMUM SIZE SHALL BE 6". IN GENERAL ALL FILL SHALL BE APPROVED BY THE ENGINEER PRIOR TO IT'S USE. WET MATERIAL OR UNSUITABLE MATERIAL SHOULD NOT BE USED.
7. BACKFILL SHALL BE PLACED AND COMPACTED IN A MAXIMUM 12" LIFTS.
8. ALL BOULDER RETAINING WALLS SHALL HAVE A GEOTEXTILE FABRIC BACKING FOR THE FULL HIEGHT OF THE WALL AS MANUFACTURED BY MIRAFI OR APPROVED EQUAL.
9. IF GROUNDWATER IS ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY TO DETERMINE IF THE ADDITION OF AN UNDERDRAIN MAY BE REQUIRED.
10. THE CONTRACTOR SHALL NOT USE LARGE OR HEAVY CONSTRICTION EQUIPMENT WITHIN 5' OF THE RETAINING WALLS OR NEW FOUNDATION WALLS. HAND OPERATED COMPACTING EQUIPMENT SHALL BE USED WITHIN 5' OF THE WALL FACE.
11. ALTERNATE WALL DESIGNS MUST BE SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER THE MINIMUM FACTORS OF SAFETY FOR SLIDING AND OVERTURNING SHALL BE 2.0.

MAINTENANCE SCHEDULE:

	DAILY	WEEKLY	MONTHLY	AFTER RAINFALL	NECESSARY TO MAINTAIN FUNCTION	AFTER APPROVAL OF INSPECTOR
SILT FENCE	———	————	INSP.	INSP.	CLEAN/ REPLACE	REMOVE
WHEEL CLEANER	CLEAN	————	————	————	REPLACE	REMOVE
INLET PROTECTION	———	INSP.	INSP.	CLEAN	REPLACE	REMOVE

MAINTENANCE OF PERMANENT CONTROL STRUCTURES DURING CONSTRUCTION:

The stormwater management system and outlet structure shall be inspected on a regular basis and after every rainfall event. Sediment build up shall be removed from the inlet protection regularly to insure detention capacity and proper drainage. Outlet structure shall be free of obstructions. All piping and drain inlets shall be free of obstruction. Any sediment build up shall be removed.

MAINTENANCE OF CONTROLS AFTER CONSTRUCTION:

Controls (including respective outlet structures) should be inspected periodically for the first few months after construction and on an annual basis thereafter. They should also be inspected after major storm events.

DEBRIS AND LITTER REMOVAL:

Twice a year, inspect outlet structure and drain inlets for accumulated debris. Also, remove any accumulations during each mowing operation.

STRUCTURAL REPAIR/REPLACEMENT:

Outlet structure must be inspected twice a year for evidence of structural damage and repaired immediately.

EROSION CONTROL:

Unstable areas tributary to the basin shall immediately be stabilized with vegetation or other appropriate erosion control measures.

SEDIMENT REMOVAL:

Sediment should be removed after it has reached a maximum depth of five inches above the stormwater management system floor.

GENERAL EROSION CONTROL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. ROAD SURFACE FLOWS FROM THE SITE SHOULD BE DISSIPATED WITH TRACKING PAD OR APPROPRIATE MEASURES DURING ADJACENT ROAD SHOULDER REGRADING. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL DEVICES THROUGHOUT THE COURSE OF CONSTRUCTION.
2. CATCH BASIN INLET PROTECTION MUST BE INSTALLED AND OPERATING AT ALL TIMES UNTIL TRIBUTARY AREAS HAVE BEEN STABILIZED. WHEN POSSIBLE FLOWS SHOULD BE STABILIZED BEFORE REACHING INLET PROTECTION STRUCTURE. TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL STRUCTURES SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. THE SEDIMENT LEVEL IN ALL SEDIMENT TRAPS SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED ON A REGULAR BASIS, AND AFTER EACH HEAVY RAIN TO INSURE PROPER OPERATION AS DESIGNED. AN INSPECTION SCHEDULE SHALL BE SET FORTH PRIOR TO THE START OF CONSTRUCTION.
4. THE LOCATIONS AND THE INSTALLATION TIMES OF THE SEDIMENT CAPTURING STANDARDS SHALL BE AS SPECIFIED IN THESE PLANS, AS ORDERED BY THE ENGINEER, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" (NYSSESC).
5. ALL TOPSOIL SHALL BE PLACED IN A STABILIZED STOCKPILE FOR REUSE ON THE SITE. ALL STOCKPILE MATERIAL REQUIRED FOR FINAL GRADING AND STORED ON SITE SHALL BE TEMPORARILY SEEDED AND MULCHED WITHIN 7 DAYS. REFER TO SOIL STOCKPILE DETAILS.
6. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 7 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL NOT BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING.
7. ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
8. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
9. SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
10. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT EDITION OF NYSSESC.
11. ALL REGRADED AREAS MUST BE STABILIZED APPROPRIATELY PRIOR TO ANY ROCK BLASTING, CUTTING, AND/OR FILLING OF SOILS. SPECIAL CARE SHOULD BE TAKEN DURING CONSTRUCTION TO INSURE STABILITY DURING MAINTENANCE AND INTEGRITY OF CONTROL STRUCTURES.
12. ANY SLOPES GRADED AT 3:1 OR GREATER SHALL BE STABILIZED WITH EROSION BLANKETS TO BE STAKED INTO PLACE IN ACCORDANCE WITH THE MANUFACTURES REQUIREMENTS. EROSION BLANKETS MAY ALSO BE REQUIRED AT THE DISCRETION OF TOWN OFFICIALS OR PROJECT ENGINEER. WHEN STABILIZED BLANKET IS UTILIZED FOR CHANNEL STABILIZATION, PLACE ALL OF THE VOLUME OF SEED MIX PRIOR TO LAYING NET, OR AS RECOMMENDED BY THE MANUFACTURER.
13. TO PREVENT HEAVY CONSTRUCTION EQUIPMENT AND TRUCKS FROM TRACKING SOIL OFF-SITE, CONSTRUCT A PERVIOUS CRUSHED STONE PAD. LOCATE AND CONSTRUCT PADS AS DETAILED IN THESE PLANS.
14. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. CONTRACTOR TO SUPPLY ALL EQUIPMENT AND WATER.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION INSPECTIONS AS PER NYSDEC GP-0-15-002 AND TOWN OF OSSINING CODE.

MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES:

N.Y.S.D.E.C. GP-0-15-002 EXPOSURE RESTRICTIONS - STATES THAT ANY EXPOSED EARTHWORK SHALL BE STABILIZED IN ACCORDANCE WITH THE GUIDELINES OF THIS PLAN.

1. TREES AND VEGETATION SHALL BE PROTECTED AT ALL TIMES AS SHOWN ON THE DETAIL DRAWING AND AS DIRECTED BY THE ENGINEER.
2. CARE SHOULD BE TAKEN SO AS NOT TO CHANNEL CONCENTRATED RUNOFF THROUGH THE AREAS OF CONSTRUCTION ACTIVITY ON THE SITE.
3. FILL AND SITE DISTURBANCES SHOULD NOT BE CREATED WHICH CAUSES WATER TO POND OFF SITE OR ON ADJACENT PROPERTIES.
4. RUNOFF FROM LAND DISTURBANCES SHALL NOT BE DISCHARGED OR HAVE THE POTENTIAL TO DISCHARGE OFF SITE WITHOUT FIRST BEING INTERCEPTED BY A CONTROL STRUCTURE, SUCH AS A SEDIMENT TRAP OR SILT FENCE. SEDIMENT SHALL BE REMOVED BEFORE EXCEEDING 50% OF THE RETENTION STRUCTURE'S CAPACITY.
5. FOR FINISHED GRADING, ADEQUATE GRADE SHALL BE PROVIDED SO THAT WATER WILL NOT POND ON LAWNS FOR MORE THAN 24 HOURS AFTER RAINFALL, EXCEPT IN SWALE FLOW AREAS WHICH MAY DRAIN FOR AS LONG AS 48 HOURS AFTER RAINFALL.
6. ALL SWALES AND OTHER AREAS OF CONCENTRATED FLOW SHALL BE PROPERLY STABILIZED WITH TEMPORARY CONTROL MEASURES TO PREVENT EROSION AND SEDIMENT TRAVEL. SURFACE FLOWS OVER CUT AND FILL AREAS SHALL BE STABILIZED AT ALL TIMES.
7. ALL SITES SHALL BE STABILIZED WITH EROSION CONTROL MATERIALS WITHIN 7 DAYS OF FINAL GRADING.
8. TEMPORARY SEDIMENT TRAPPING DEVICES SHALL BE REMOVED FROM THE SITE WITHIN 30 DAYS OF FINAL STABILIZATION.

TOPSOIL:

Existing topsoil will be removed and stored in piles sufficiently as to avoid mixing with other excavation. Stockpiles shall be surrounded by erosion control as outlined on these plans. The furnishing of new topsoil shall be of a better or equal to the following criteria (SS713.01 NYSDOT):

1. The pH of the material shall be 5.5 to 7.6.
2. The organic content shall not be less than 2% or more than 70%.
3. Gradation:

SIEVE SIZE	% PASSING BY WGT.
2 INCH	100
1 INCH	85 TO 100
1/4 INCH	65 TO 100
NO. 200 MESH	20 TO 80

PERMANENT VEGETATIVE COVER:

1. Site preparation:
   - 1.1. Install erosion control measures.
   - 1.2. Scarify compacted soil areas.
   - 1.3. Lime as required to ph 6.5.
   - 1.4. Fertilize with 10-6-4 4 lbs/1,000 S.F.
   - 1.5. Incorporate amendments into soil with disc harrow.
2. Seed mixtures for use on swales and cut and fill areas.

MIXTURE		LBS./ACRE
ALT. A	KENTUCKY BLUE GRASS	20
	CREEPING RED FESCUE	28
	RYE GRASS OR REDTOP	5
ALT. B	CREEPING RED FESCUE	20
	REDTOP	2
	TALL FESCUE/SMOOTH BLOOMGRASS	20

3. SEEDING
   - 3.1. Prepare seed bed by raking to remove stones, twigs, roots and other foreign material.
   - 3.2. Apply soil amendments and integrate into soil.
   - 3.3. Apply seed uniformly by cyclone seeder culti-packer or hydro-seeder at rate indicated.
   - 3.4. Stabilize seeded areas in drainage swales.
   - 3.5. Irrigate to fully saturate soil layer, but not to dislodge planting soil.
   - 3.6. Seed between April 1st and May 15th or August 15th and October 15th.
   - 3.7. Seeding may occur May 15th and August 15th if adequate irrigation is provided.

TEMPORARY VEGETATIVE COVER:

SITE PREPARATION:

1. Install erosion control measures.
2. Scarify areas of compacted soil.
3. Fertilize with 10-10-10 at 400/acre.
4. Lime as required to ph 6.5.

SEED SPECIES:

MIXTURE	LBS./ACRE
Rapidly germinating annual ryegrass (or approved equal)	20
Perennial ryegrass	20
Cereal oats	36

SEEDING:
Same as permanent vegetative cover

CONSTRUCTION SEQUENCE:

REFER TO THE PLAN SET FOR ALL PLANS AND DETAILS WHICH RELATE TO CONSTRUCTION SEQUENCE.

1. PRIOR TO THE BEGINNING OF ANY SITE WORK THE MAJOR FEATURES OF THE CONSTRUCTION MUST BE FIELD STAKED BY A LICENSED SURVEYOR. THESE INCLUDE THE BUILDING, LIMITS OF DISTURBANCE, UTILITY LINES, AND STORMWATER PRACTICES.
2. PRIOR TO THE START OF THE PROJECT, AN ON-SITE PRE-CONSTRUCTION MEETING WILL BE HELD. THIS WILL BE ATTENDED BY THE PROJECT OWNER, THE OPERATOR RESPONSIBLE FOR COMPLYING WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING THE EROSION AND SEDIMENT CONTROL (E&SC) PLAN AND DETAILS, THE DESIGN ENGINEER, THE ENGINEER RESPONSIBLE FOR E&SC MONITORING DURING CONSTRUCTION, TOWN REPRESENTATIVES FROM THE ENGINEERING DEPARTMENT AND CODE ENFORCEMENT.
3. A LICENSED SURVEYOR MUST DEFINE INFRASTRUCTURE LOCATIONS, LIMITS OF DISTURBANCE, STORMWATER MANAGEMENT PRACTICE LIMITS, AND GRADES IN THE FIELD PRIOR TO START OF ANY CONSTRUCTION. LIMITS OF DISTURBANCE SHALL BE MARKED WITH THE INSTALLATION OF CONSTRUCTION FENCE OR APPROVED EQUAL. THE EXTENTS OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE CORDONED OFF TO MINIMIZE THE DISTURBANCE ON THIS AREA.
4. INSTALL ALL PERIMETER EROSION CONTROL MEASURES, CONSTRUCTION ENTRANCE AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN AND THE ASSOCIATED DETAILS. INSTALL SILT FENCING AT THE BOTTOM OF SLOPES. THE STANDARDS ESTABLISHED IN PART 1.B 1.B OF THE GP-015-002 INCLUDED IN APPENDIX B OF THIS SWPPP MUST BE ADHERED TO.
5. STRIP SITE, CLEAR VEGETATION, AND PLACE TOPSOIL IN STOCKPILE LOCATIONS SHOWN ON THE PLAN.
6. BEGIN ROUGH GRADING THE SITE. CONTRACTOR TO LIMIT EXPOSURE OF DENUDED SOILS BY PROVIDING TEMPORARY STABILIZATION FOR WORK AREAS THAT WILL REMAIN UNDISTURBED FOR OVER SEVEN (7) DAYS. CHIPPED ROCK THAT IS NOT SUITABLE TO REMAIN ON SITE SHALL BE HAULED AWAY AND PROPERLY DISPOSED OF. AN AREA HAS BEEN PROVIDED FOR THE STOCKPILING OF REMOVED SOIL AND ROCK WHICH IS TO BE REMOVED FROM THE SITE.
7. ROUGH GRADE THE DRIVEWAY ALONG THE SOUTHERN PROPERTY LINE TO ALLOW FOR THE INSTALLATION OF THE NEW STABILIZED CONSTRUCTION ENTRANCE.
8. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT LOCATION SHOW ALONG THE SOUTHERN PROPERTY LINE.
9. ROUGH GRADE BUILDINGS, DRIVEWAYS, AND PARKING AREAS. DURING THE GRADING OF THE DRIVEWAYS, CONSTRUCT THE RETAINING WALL ALONG THE SOUTHERN AND EASTERN PROPERTY LINES. BEFORE THE REAR PARKING LOT CAN BE CONSTRUCTED, INSTALL THE RETAINING WALL AT THE REAR OF THE SITE.
10. BEGIN CONSTRUCTION OF THE MAIN BUILDING. CONSTRUCTION OF THE REAR ACCESSORY BUILDING MAY BEGIN ONCE ENOUGH OF THE DRIVEWAYS HAVE BEEN ROUGH GRADED THAT THE BUILDING AREA MAY BE ACCESSED.
11. BEGIN THE EXCAVATION AND INSTALLATION OF THE STORMWATER MANAGEMENT SYSTEM. PROTECT TRENCHES AND OPEN EXCAVATIONS FROM EROSION. ENTRY INTO THE SYSTEM SHALL BE BLOCKED OFF UNTIL SITE HAS REACHED FINAL STABILIZATION. ONCE SYSTEM HAS BEEN INSTALLED, BACKFILL, SEED WHERE NECESSARY, AND REINSTALL MEASURES TO CORDON OFF THE SYSTEM FROM DISTURBANCE.
12. ONCE THE BUILDING FOUNDATION HAS BEEN INSTALLED, BEGIN CONSTRUCTION OF THE RETAINING WALL ON THE NORTH SIDE OF THE BUILDING.
13. DURING SITE CONSTRUCTION MAINTAIN AND RE-ESTABLISH AS REQUIRED EROSION CONTROL AND STABILIZATION MEASURES AS REQUIRED BY THE SITE PLAN AND DETAILS.
14. EXCAVATE TO THE SUB-GRADE LEVEL. SCARIFY THE EXISTING SOIL TO A DEPTH OF 12-INCHES BY ROTOTILLING OR OTHER MEANS ACCEPTABLE TO THE ENGINEER. INSTALL ALL COURSES OF STONE AS PER THE SPECIFICATIONS GIVEN ON THE PLAN.
15. INSTALL BASE COURSE OF ITEM 4 IN ALL PAVEMENT AREAS. STABILIZE ALL OPEN AREAS WITH SEED AND MULCH.
16. CONSTRUCT REMAINDER OF BUILDING, DRIVEWAY AND PARKING AREAS. FIRST INSTALL CURBS, ASPHALT BINDER, AND CONCRETE SIDEWALK. ONCE BINDER COURSE IS INSTALLED, DRAINAGE OUTLET MAY BE UNBLOCKED.
17. BACKFILL CURBS, GRADE, PLACE FINAL SOIL TOPPING AND PUT IN PLACE PERMANENT VEGETATIVE COVER OVER ALL DISTURBED AREAS, LANDSCAPE BEDS, SLOPES, ETC.
18. ONCE SITE STABILIZATION HAS TAKEN PLACE (AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 80% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS), REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS, UNPLUG THE DRAINAGE SYSTEM TO ALLOW RUNOFF TO ENTER THE STORMWATER MANAGEMENT SYSTEM.

WINTER STABILIZATION NOTES:

IF CONSTRUCTION ACTIVITIES ARE EXPECTED TO EXTEND INTO OR OCCUR DURING THE WINTER SEASON THE CONTRACTOR SHALL ANTICIPATE PROPER STABILIZATION AND SEQUENCING. CONSTRUCTION SHALL BE SEQUENCED SUCH THAT WHEREVER POSSIBLE AREAS OF DISTURBANCE THAT CAN BE COMPLETED AND PERMANENTLY STABILIZED SHALL BE DONE BY APPLYING AND ESTABLISHING PERMANENT VEGETATIVE COVER BEFORE THE FIRST FROST. AREAS SUBJECT TO TEMPORARY DISTURBANCE THAT WILL NOT BE WORKED FOR AN EXTENDED PERIOD OF TIME SHALL BE TREATED WITH TEMPORARY SEED, MULCH, AND/OR EROSION BLANKETS.

OWNER / OPERATOR CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. FURTHER, I HEREBY CERTIFY THAT THE SWPPP MEETS ALL FEDERAL, STATE, AND LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS. I AM AWARE THAT FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW."

NAME (PLEASE PRINT): ____________________

TITLE: ____________________

DATE: ____________________

ADDRESS: ____________________

PHONE: ____________________

E-MAIL: ____________________

SIGNATURE: ____________________

CONTRACTOR CERTIFICATION STATEMENT

CERTIFICATION STATEMENT - ALL CONTRACTORS AND SUBCONTRACTORS AS IDENTIFIED IN A SWPPP, BY THE OWNER OR OPERATOR, IN ACCORDANCE WITH PART III.A.5 OF THE SPDES GENERAL PERMIT FOR STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITY, GP-0-15-002, DATED JANUARY 12, 2015, PAGE 10 OF 40, SHALL SIGN A COPY OF THE FOLLOWING CERTIFICATION STATEMENT BEFORE UNDERTAKING ANY CONSTRUCTION ACTIVITY AT THE SITE IDENTIFIED IN THE SWPPP:

"I HEREBY CERTIFY THAT I UNDERSTAND AND AGREE TO COMPLY WITH THE TERMS AND CONDITIONS OF THE SWPPP AND AGREE TO IMPLEMENT ANY CORRECTIVE ACTIONS IDENTIFIED BY THE QUALIFIED INSPECTOR DURING A SITE INSPECTION. I ALSO UNDERSTAND THAT THE OWNER OR OPERATOR MUST COMPLY WITH THE TERMS AND CONDITIONS OF THE NEW YORK STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM ("SPDES") GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND THAT IT IS UNLAWFUL FOR ANY PERSON TO CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS. FURTHERMORE, I UNDERSTAND THAT CERTIFYING FALSE, INCORRECT OR INACCURATE INFORMATION IS A VIOLATION OF THE REFERENCED PERMIT AND THE LAWS OF THE STATE OF NEW YORK AND COULD SUBJECT ME TO CRIMINAL, CIVIL AND/OR ADMINISTRATIVE PROCEEDINGS."

INDIVIDUAL CONTRACTOR: ____________________

NAME AND TITLE (PLEASE PRINT): ____________________

SIGNATURE OF CONTRACTOR: ____________________

COMPANY / CONTRACTING FIRM: ____________________

NAME OF COMPANY: ____________________

ADDRESS OF COMPANY: ____________________

TELEPHONE NUMBER / CELL NUMBER: ____________________

SITE INFORMATION: ____________________

ADDRESS OF SITE: ____________________

____

TODAY'S DATE: ____________________

NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

F:\2019\19-54 JACK AHEARN - LEXINGTON AVENUE\ENGINEERING\CAD\C3D-19-54 JACK AHEARN - LEXINGTON AVENUE\19-54_DETAILS.DWG

PROJECT # 19-54

Site Design Consultants
Civil Engineers • Land Planners
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Engineer:
NO. 064431
Joseph C. Riina, P.E.
NYS Lic. No. 64431

Revisions:

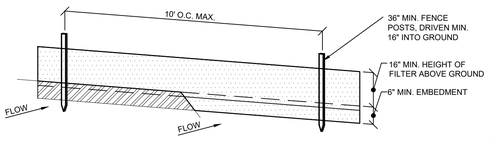
No.	Date	Comments:

SCALE: NTS
DRAWN BY: TK
DATE: 12/30/19

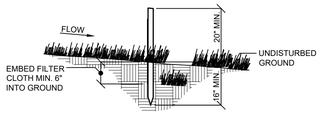
NOTES

PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE LLC
3451 LEXINGTON AVENUE
Town of Cortlandt
Westchester County, NY

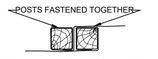
Sheet G-1



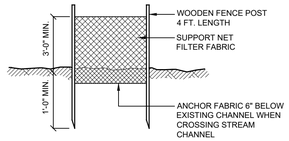
PERSPECTIVE VIEW



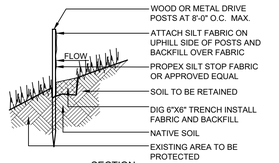
SECTION



PLAN VIEW: JOINING SECTIONS



ELEVATION



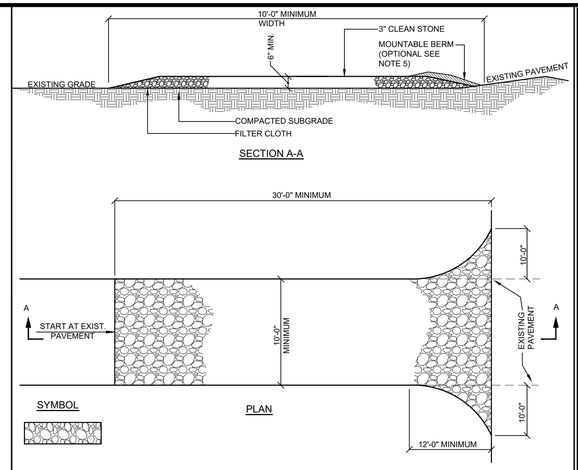
SECTION

NOTES:
1. Filter cloth to be fastened securely to post: steel either t or u type or 2" hardwood posts at top and mid section.
2. When two sections of filter cloth adjoin each other they shall be overlapped by 6 inches and folded. Filter cloth shall be mirafi 100x, stabilinka t140n or approved equal
3. Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.
4. Excavate 4 inch trench along the lower perimeter of the site.
5. Unroll a section at a time and position the post against the back (downstream) wall of the trench (net side away from direction of flow).
6. Drive the post into the ground until the netting is approximately 2 inches from the trench bottom.
7. Lay the toe-in flap of fabric onto the undisturbed bottom of the trench, backfill the trench and tamp the soil. Steeper slopes require an intercept trench.
8. Join sections as shown above.

SYMBOL

E-1 SILT FENCE DETAIL

NOT TO SCALE



SECTION A-A

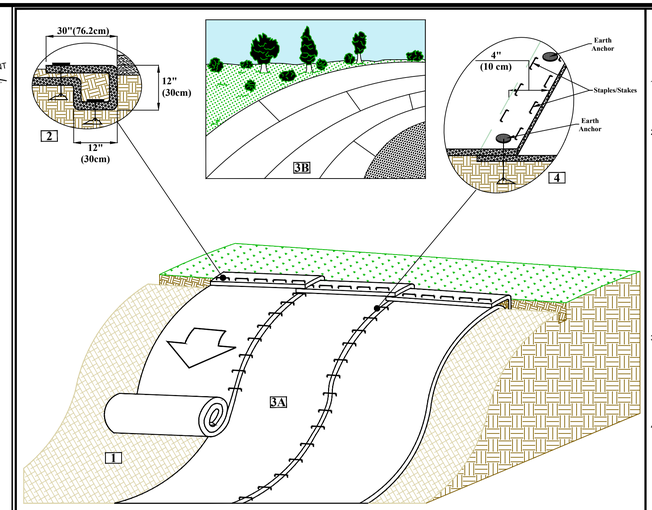
PLAN

SYMBOL

INSTALLATION NOTES:
1. Stone size - use 3" min. Stone, or reclaimed or recycled concrete equivalent.
2. Length - as required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply.
3. Thickness - not less than six (6) inches.
4. Width - 10 foot minimum, but not less than the full width at points where ingress or egress occur. 24 ft if single entrance to site.
5. 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.
6. 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 cleanouts of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right of way must be removed immediately.
7. 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.
8. Periodic inspection and needed maintenance shall be provided after each rain

E-2 STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



Drawing Not To Scale

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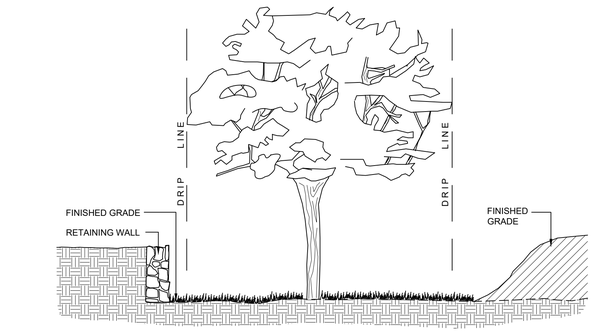
Poseyville, IN 47633 www.tensarnagreen.com

Drawn on: 01-28-13

SLOPE INSTALLATION EARTH ANCHOR (EA) DETAIL

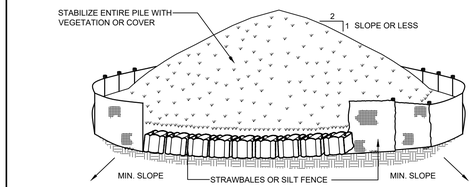
1. Prepare soil before installing high-performance turf reinforcement mats (HP-TRMs), including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the slope by anchoring the HP-TRMs in a 12" (30 cm) deep x 12" (30cm) wide trench with approximately 30" (76.2 cm) of HP-TRMs extended beyond the up-slope portion of the trench. Anchor the HP-TRMs with an alternating row of staples and anchors approximately 30" (76.2 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Fold remaining 30" (76.2 cm) portion of HP-TRMs back over compacted soil. Secure HP-TRMs over compacted soil with an alternating row of staples/anchors spaced approximately 18" (45 cm) apart across the width of the HP-TRMs.
3. Roll the HP-TRMs (A) down or (B) horizontally across the slope. HP-TRMs will uncoil with appropriate side against the soil surface. All HP-TRMs must be securely fastened to soil surface by placing staples/anchors in appropriate locations as shown in the staple pattern guide.
4. The edges of parallel HP-TRMs must be stapled between earth anchors with approximately 4" (10 cm) overlap depending on the HP-TRM type. For curved sections, adjust the overlap edges of parallel HP-TRMs accordingly with a minimum of 4" (10 cm) overlap to accommodate transitional segments.

*NOTE:
In loose soil conditions, the use of staple or stake lengths greater than 6"(15cm) may be necessary to properly secure the HP-TRMs.



E-10 TREE PROTECTION PLAN FOR GRADE CHANGE DETAIL

NOT TO SCALE

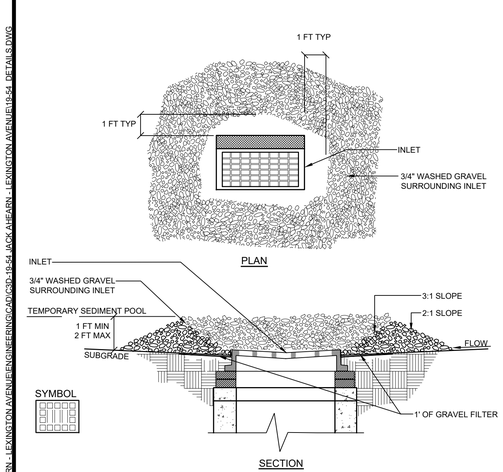


SYMBOL

NOTES:
1. Area chosen for stockpiling operations shall be dry and stable.
2. Maximum slope of stockpile shall be 1:2.
3. Upon completion of soil stockpiling, each pile shall be surrounded with either silt fencing or strawbales, then stabilized with vegetation or covered.
4. See detail for installation of silt fence.

E-5 SOIL STOCKPILE DETAIL

NOT TO SCALE

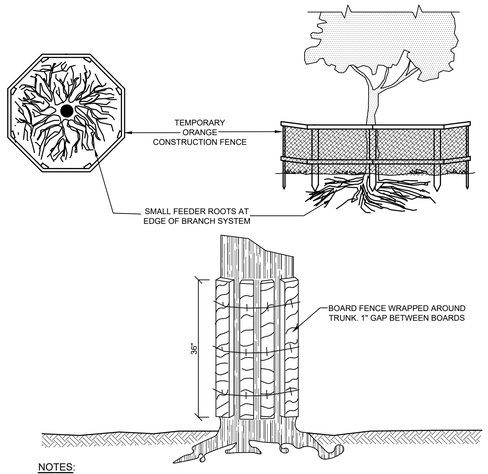


SYMBOL

SECTION

E-3 INLET PROTECTION DETAIL

NOT TO SCALE

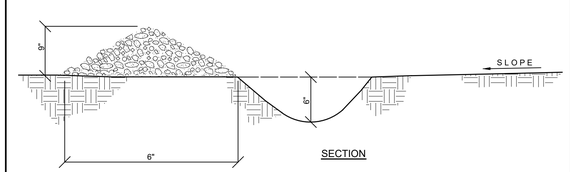


SYMBOL

NOTES:
1. Contractor shall use the tree trunk armor detail for isolated trees that require protection.
2. As an alternate, the contractor may protect trees in the vicinity of regular heavy traffic / construction areas or clusters of trees to be protected as per the construction fence detail.

E-4 TREE TRUNK ARMOR / TREE PROTECTION DETAIL

NOT TO SCALE



SECTION

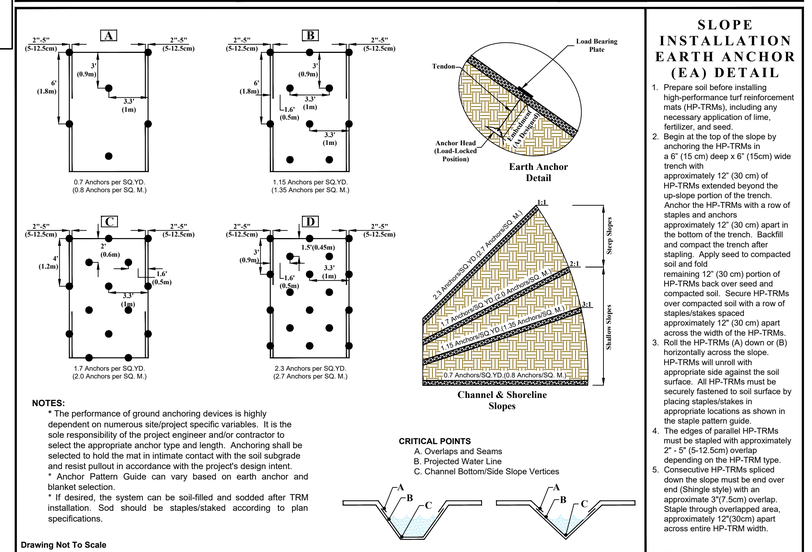
INSTALLATION NOTES:
1. Install the water bar as soon as the right of way is cleared and graded.
2. Disk or strip the sod from the base for the constructed ridge before placing fill.
3. Track the ridge to compact it to the design cross section.
4. The outlet shall be located on an undisturbed area. Field spacing will be adjusted to use the most stable outlet areas. Outlet protection will be provided when natural areas are not adequate.
5. Vehicle crossing shall be stabilized with gravel. Exposed areas shall be immediately seeded and mulched.
6. Periodically inspect water bars for erosion damage and sediment. Check outlet areas and make repairs as needed to restore operation.

SYMBOL

W B

E-6 WATER BAR DETAIL

NOT TO SCALE



NOTES:
* The performance of ground anchoring devices is highly dependent on numerous site/project specific variables. It is the sole responsibility of the project engineer and/or contractor to select the appropriate anchor type and length. Anchoring shall be selected to hold the mat in intimate contact with the soil subgrade and resist pullout in accordance with the project's design intent.
* Anchor Pattern Guide can vary based on earth anchor and blanket selection.
* If desired, the system can be soil-filled and sodded after TRM installation. Sod should be staples/staked according to plan specifications.

CRITICAL POINTS
A. Overlaps and Seams
B. Projected Water Line
C. Channel Bottom/Side Slope Vertices

Drawing Not To Scale

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Poseyville, IN 47633 www.tensarnagreen.com

Disclaimer:
The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

Drawn on: 01-28-13

SLOPE INSTALLATION EARTH ANCHOR (EA) DETAIL

1. Prepare soil before installing high-performance turf reinforcement mats (HP-TRMs), including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the slope by anchoring the HP-TRMs in a 6" (15 cm) deep x 6" (15cm) wide trench with approximately 12" (30 cm) of HP-TRMs extended beyond the up-slope portion of the trench. Anchor the HP-TRMs with a row of staples and anchors approximately 12" (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" (30 cm) portion of HP-TRMs back over seed and compacted soil. Secure HP-TRMs over compacted soil with a row of staples/stakes spaced approximately 12" (30 cm) apart across the width of the HP-TRMs.
3. Roll the HP-TRMs (A) down or (B) horizontally across the slope. HP-TRMs will unroll with appropriate side against the soil surface. All HP-TRMs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
4. The edges of parallel HP-TRMs must be stapled with approximately 2" - 5" (5-12.5cm) overlap depending on the HP-TRM type.
5. Consecutive HP-TRMs spliced down the slope must be end over end (Shingle style) with an approximate 3'(7.5cm) overlap. Staple through overlapped area, approximately 12"(30cm) apart across entire HP-TRM width.

*NOTE:
In loose soil conditions, the use of staple or stake lengths greater than 6"(15cm) may be necessary to properly secure the HP-TRMs.

Site Design Consultants
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(914) 962-4488 - Fax: (914) 962-7386
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PROJECT # 19-54

Engineer: Joseph C. Rima, P.E. NYS Lic. No. 64431

Revisions: No.	Date	Comments:

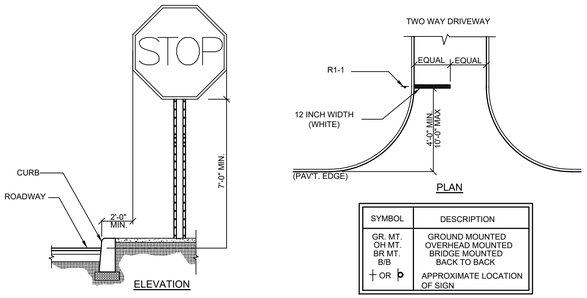
SCALE: NTS
DRAWN BY: TK
DATE: 12/30/19

E&SC DETAILS

PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE LLC
3451 LEXINGTON AVENUE
Town of Cortlandt Westchester County, NY

Sheet C-501

F:\2019\19-54 JACK AHEARN - LEXINGTON AVENUE\ENGINEERING\CAD\C3D-19-54 JACK AHEARN - LEXINGTON AVENUE 19-54_DETAILS.DWG



ELEVATION

PLAN

SYMBOL	DESCRIPTION
GR. MT. OH MT. BR MT. B/B	GROUND MOUNTED OVERHEAD MOUNTED BRIDGE MOUNTED BACK TO BACK
┼ OR ϕ	APPROXIMATE LOCATION OF SIGN

TYPICAL INSTALLATION GUIDELINES

SIGN	M.U.T.C.D. NUMBER	SIZE OF SIGN	TYPE OF MOUNT
STOP	R1-1	18" X 18"	GR. MT.
RESERVED PARKING	R7-8	12" X 18"	GR. MT.
ONE WAY	R3-12 (L) R3-13 (R)	12" X 18"	GR. MT.

SIGN	M.U.T.C.D. NUMBER	SIZE OF SIGN	TYPE OF MOUNT
NO PARKING ANY TIME	P1-2 (SEE NOTE 4)	12" X 18"	GR. MT.
DO NOT ENTER	R3-15	24" X 24"	GR. MT.
NO PARKING LOADING ZONE	R7-6 (SEE NOTE 4)	12" X 18"	GR. MT.

GENERAL NOTES:

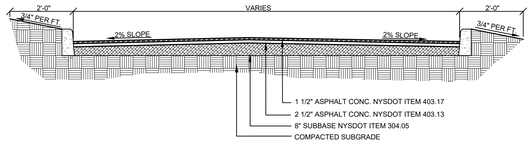
1. All signage shall be in accordance with the latest edition of the national MUTCD and the N.Y.S Supplement (MUTCD), September 2007, including the following:
   A. Letter size and series
   B. Legend and background color
   C. Reflectivity
   D. Size of sign
2. The type of characters as specified in the standard specifications shall be as follows:

MUTCD CODE LETTER	TYPE OF CHARACTER
G.I.	TYPE IV
R,P,W,M.	TYPE IV OR V.

3. Sign locations as shown on plans are approximate. The Contractor shall relocate existing signs and install new signs in accordance with the MUTCD, latest edition. The Contractor shall contact the Town Engineer to discuss/resolve problem areas.
4. Except where otherwise specified, parking signs shall be placed facing approaching traffic at an angle of between 30 and 45 degrees with the line of traffic flow. Parking signs shall be placed at each end of a regulation (single-headed arrows), at intervals not to exceed 200 ft
5. Where new signs are installed the Contractor shall affix a label to the back of the sign panel. This label will show the date of installation and identification numbers.
6. Placement of W3-17 sign is prescribed in the General Municipal Law.

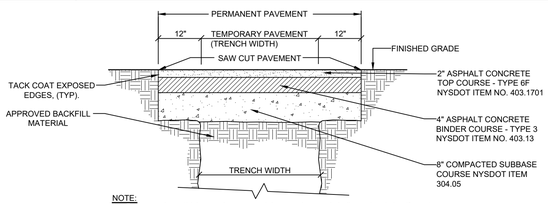
R-1 TRAFFIC SIGN DETAIL

NOT TO SCALE



R-2 TYPICAL DRIVEWAY AND PARKING LOT SECTION

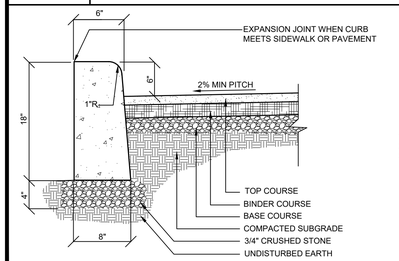
NOT TO SCALE



NOTE:
1. Pavement layer thickness shown are minimum values and shall match existing if greater.

R-3 ROADWAY PAVEMENT REPLACEMENT DETAIL

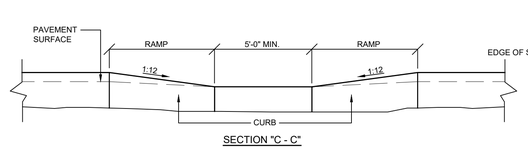
NOT TO SCALE



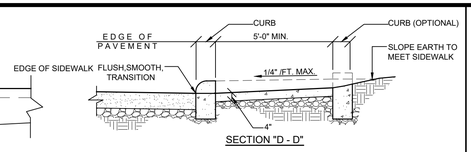
NOTE:
1. Provide 1/2" expansion joint in concrete curb every ten feet.
2. Construct curb with class A concrete (3000 psi).
3. For use within the site.

R-4 CONCRETE CURB DETAIL

NOT TO SCALE



SECTION "C - C"



SECTION "D - D"

NOTES:

GENERAL:
1. Sidewalk curb ramp type and location are as shown on the plans or as directed.
2. All sidewalk curb ramp types may be used as straight or curved curb sections.
3. Sidewalk curb ramp types may be different at each location within an intersection.

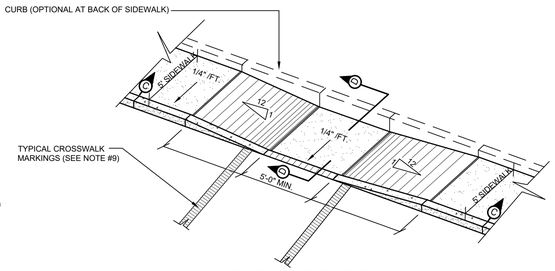
SIDEWALK CURB RAMP CRITERIA:
4. The maximum slope of a sidewalk curb ramp shall be 1:12.
5. The maximum width of a sidewalk curb ramp shall be five feet. Exclusive of flared sides.
6. All sidewalk curb ramps shall have flush, smooth transitions to the adjacent street or highway surface.

SURFACE FINISH:
7. The surface of all sidewalk curb ramps shall be stable, firm, and slip resistant (E.G. A coarse broom finish perpendicular to the ramp slope is acceptable on cement concrete curb ramps.)
8. All proposed sidewalk curb ramps shall have a detectable warning surface installed from the back of the curb for a distance of 2 feet in the direction of travel on the ramp and extending the full width of the ramp, excluding the ramp sides or flares. The detectable warning surface shall comply with the requirements of section 4.29.2 of the Americans with Disabilities Act accessibility guidelines (ADAAG).

SIDEWALK CURB RAMP PLACEMENT:
9. At a corner, where the curb radius is 25-feet or less, a single ramp (either type a or b) located diagonally can often serve crosswalks in two directions. However, a single ramp shall only be used where there is a minimum clear space of 48" falling entirely within the projection of the intersection curbs (see figure 1). Where the radius exceeds 25' or the minimum 48" clear space is not achievable, then separate ramps should be provided for each crosswalk.

PAVEMENT MARKINGS AT CROSSWALKS:
10. Sidewalk curb ramps at marked crossings shall be wholly contained within the markings excluding any flared sides.
11. At a corner where a single ramp (either type a or b; located diagonally serves two crosswalks, this shall be a 48" minimum clear space at the ramp bottom wholly contained within the intersection crosswalk markings.
12. Where stop lines are necessary, they shall be located in advance of sidewalk curb ramps.

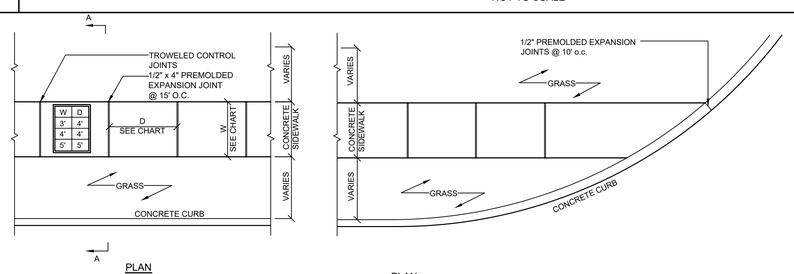
UTILITIES - DRAINAGE INLETS OR GRATES:
13. Where feasible, provide for drainage inlets or grates immediately upstream from the curb ramps. Reticuline or rectangular drainage grates are to be used in the area of curb ramps.
14. Do not place signal poles, sign posts, utility poles, fire hydrants, etc., within the ramp or side flare areas.



CURB SIDEWALK RAMP TYPE "B"

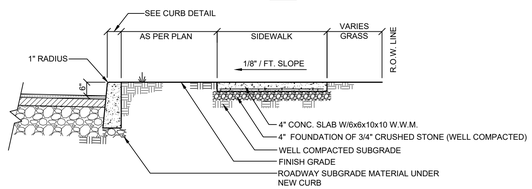
R-5 SIDEWALK CURB-RAMP DETAIL

NOT TO SCALE



PLAN

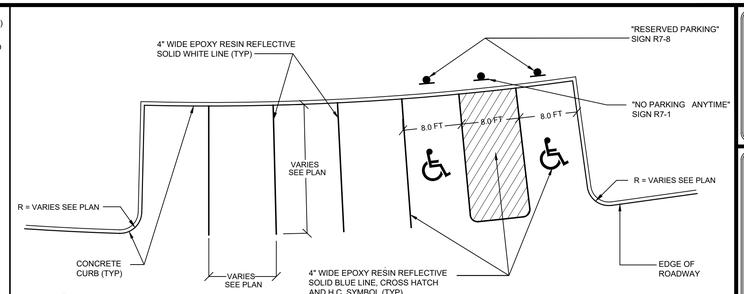
PLAN



SECTION A-A

R-6 CONCRETE SIDEWALK DETAIL

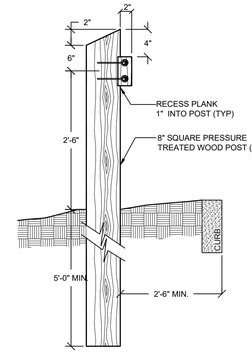
NOT TO SCALE



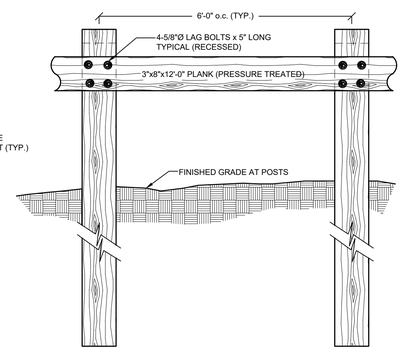
NOTE:
1. Handicap parking spaces shall be located as shown on plan.

R-7 TYPICAL PARKING STALL LAYOUT

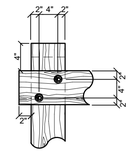
NOT TO SCALE



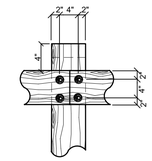
SECTION



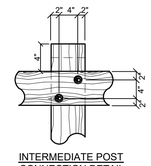
ELEVATION



END POST CONNECTION DETAIL



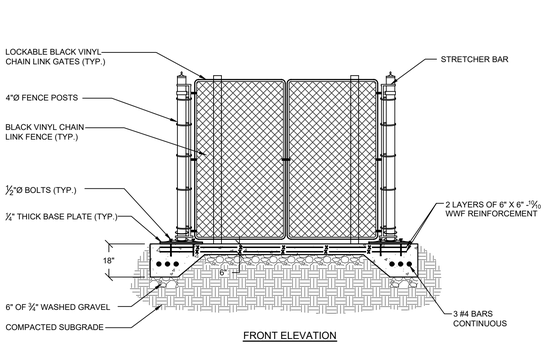
RAIL SPLICE CONNECTION DETAIL



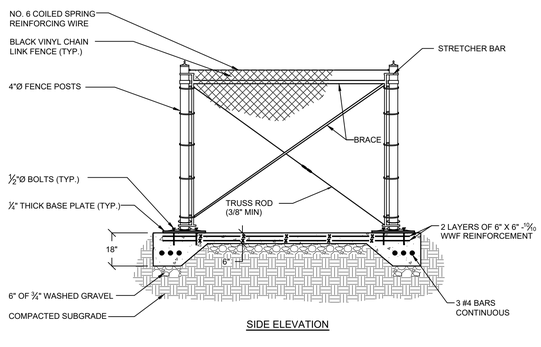
INTERMEDIATE POST CONNECTION DETAIL

R-8 TIMBER GUARDRAIL DETAIL

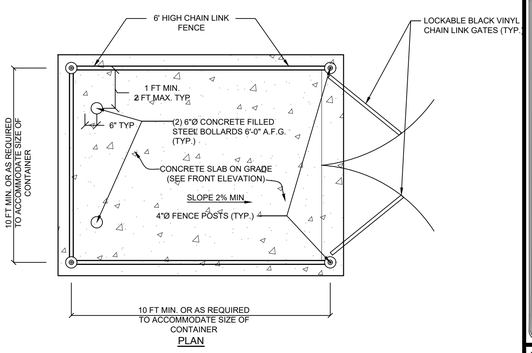
NOT TO SCALE



FRONT ELEVATION



SIDE ELEVATION



PLAN

S-1 TRASH ENCLOSURE DETAIL

NOT TO SCALE

Site Design Consultants
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Engineer: JOSEPH C. RINA — STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER
Joseph C. Rina, P.E.
NYS Lic. No. 64431

Revisions:

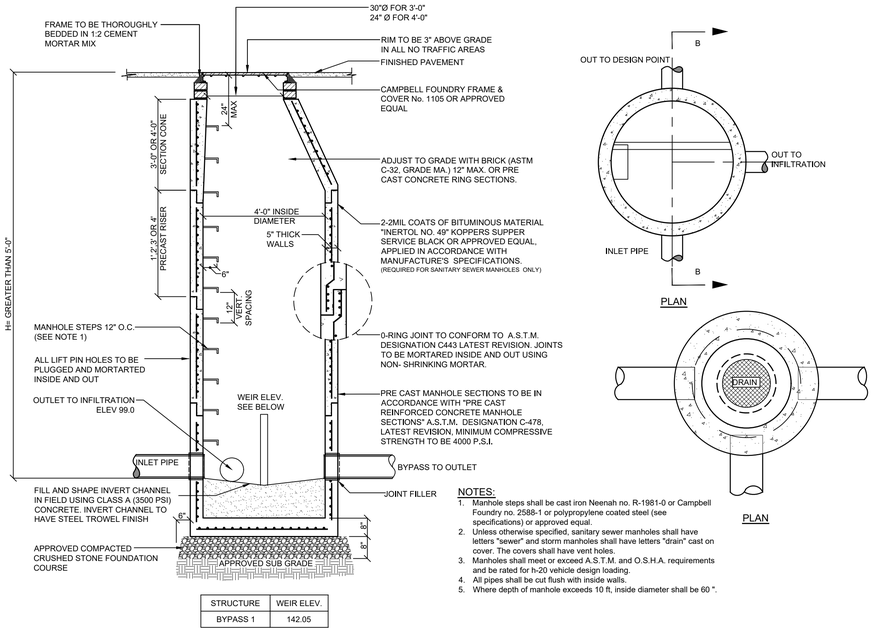
No.	Date	Comments:

SCALE: N.T.S
DRAWN BY: TK
DATE: 12/30/19

DETAILS

PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE
3451 LEXINGTON AVENUE
Town of Cortlandt Westchester County, NY

Sheet C-502



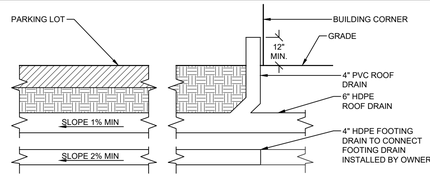
NOTES:
1. Manhole steps shall be cast iron Neenah no. R-1981-0 or Campbell Foundry no. 2588-1 or polypropylene coated steel (see specifications) or approved equal.
2. Unless otherwise specified, sanitary sewer manholes shall have letters "sewer" and storm manholes shall have letters "drain" cast on cover. The covers shall have vent holes.
3. Manholes shall meet or exceed A.S.T.M. and O.S.H.A. requirements and be rated for h-20 vehicle design loading.
4. All pipes shall be cut flush with inside walls.
5. Where depth of manhole exceeds 10 ft, inside diameter shall be 60 ".

STRUCTURE	WEIR ELEV.
BYPASS 1	142.05

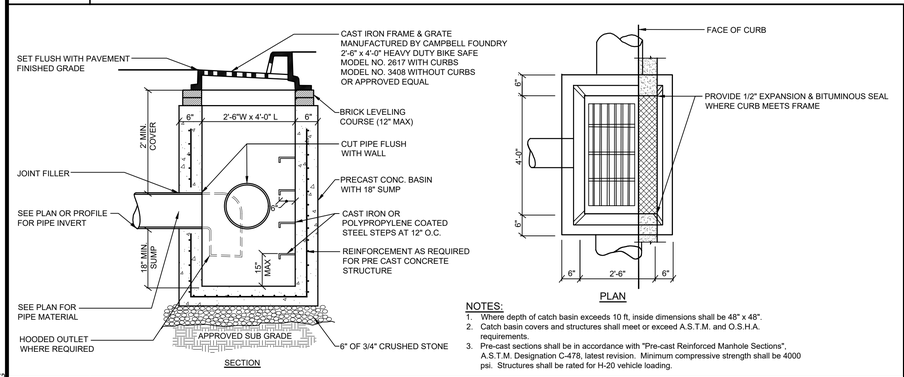
D-1 STORM BYPASS STRUCTURE DETAIL
NOT TO SCALE

NOTES:
1. Pipe shall be laid and connected in the bedding which shall consist of:
   A. Compacted existing subsoil when laid above ground water or;
   B. 3/4" crushed stone when laid below ground water.
2. If subsoil is determined to be unsuitable by the Engineer, all unsuitable material shall be removed for at least 2'-6" below the pipe invert or twice the pipe diameter, whichever is greater, and replaced with compacted bedding material.

D-2 STORM PIPE BEDDING DETAIL
NOT TO SCALE

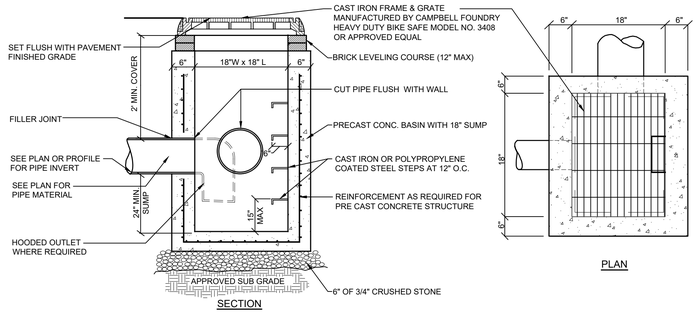


D-3 ROOF & FOOTING DRAIN CONNECTION DETAIL
NOT TO SCALE



NOTES:
1. Where depth of catch basin exceeds 10 ft, inside dimensions shall be 48" x 48".
2. Catch basin covers and structures shall meet or exceed A.S.T.M. and O.S.H.A. requirements.
3. Pre-cast sections shall be in accordance with "Pre-cast Reinforced Manhole Sections", A.S.T.M. Designation C-478, latest revision. Minimum compressive strength shall be 4000 psi. Structures shall be rated for H-20 vehicle loading.

D-4 TYPICAL CATCH BASIN DETAIL
NOT TO SCALE



NOTES:
1. Where depth of catch basin exceeds 10 ft, inside dimensions shall be 48" x 48".
2. Top of basin shall be built with precast concrete structural slab designed for H-20 loading.

D-5 PRECAST CATCH BASIN - DRAIN INLET DETAIL
NOT TO SCALE

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PROJECT # 19-54

Engineer: Joseph C. Rina, P.E. NYS Lic. No. 64431

Revisions:

No.	Date	Comments

SCALE: NTS
DRAWN BY: TK
DATE: 12/30/19

DRAINAGE DETAILS

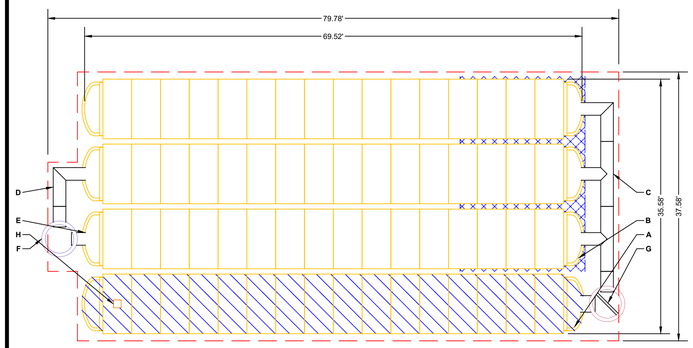
PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE
3451 LEXINGTON AVENUE
Town of Cortlandt Westchester County, NY

Sheet C-503

PROPOSED LAYOUT		CONCEPTUAL ELEVATIONS	
64	STORMTECH MC-4500 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	12.75
8	STORMTECH MC-4500 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	8.25
12	STONE ABOVE (in)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	7.75
9	STONE BELOW (in)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	7.75
40	% STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	7.75
12106	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	6.75
		TOP OF MC-4500 CHAMBER:	5.75
		24" ISOLATOR ROW INVERT:	0.94
		18" x 18" BOTTOM MANIFOLD INVERT:	0.91
2906	SYSTEM AREA (SF)	18" x 18" BOTTOM MANIFOLD INVERT:	0.91
234.73	SYSTEM PERIMETER (ft)	18" BOTTOM CONNECTION INVERT:	0.91
		BOTTOM OF MC-4500 CHAMBER:	0.75
		BOTTOM OF STONE:	0.00

*INVERT ABOVE BASE OF CHAMBER

PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT*	MAX FLOW
PREFABRICATED END CAP	A	24" BOTTOM CORED END CAP/TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR ROWS	2.26"	
PREFABRICATED END CAP	B	18" BOTTOM CORED END CAP/TYP OF ALL 18" BOTTOM CONNECTIONS	1.97"	
MANIFOLD	C	18" X 18" BOTTOM, ADS N-12	1.97"	
MANIFOLD	D	18" X 18" BOTTOM, ADS N-12	1.97"	
PIPE CONNECTION	E	18" BOTTOM CONNECTION	1.97"	
CONCRETE STRUCTURE	F	OCS (DESIGN BY ENGINEER / PROVIDED BY OTHERS)		8.0 CFS OUT
CONCRETE STRUCTURE W/WEIR	G	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		16.5 CFS IN
INSPECTION PORT	H	4" SEE DETAIL		



ISOLATOR ROW (SEE DETAIL)

PLACE MINIMUM 17.50' OF ADS GEOSYNTHETICS 315WTM WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

NOTES

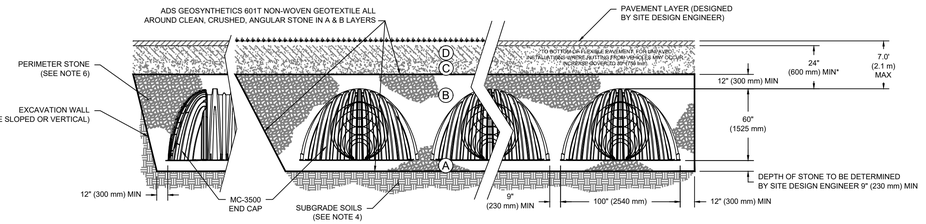
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH SHEET #7 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- NOT FOR CONSTRUCTION

SWM-3 STORMTECH MC-4500 PLAN DETAIL
NOT TO SCALE

ACCEPTABLE FILL MATERIALS: STORMTECH MC-4500 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE[2,3]

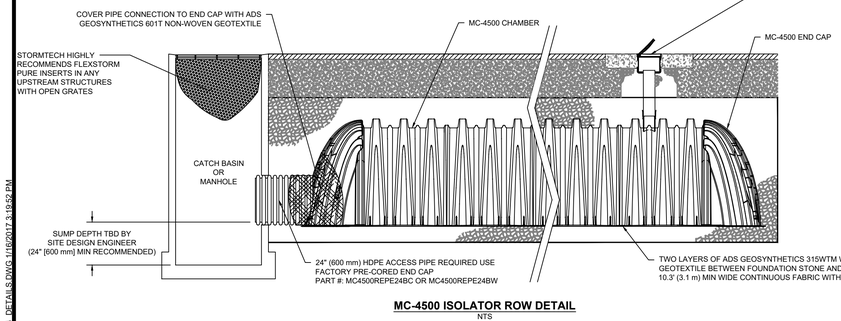
PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 60x101
2. MC-4500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

SWM-3 STORMTECH MC-4500 CROSS SECTION DETAIL
NOT TO SCALE



MC-4500 ISOLATOR ROW DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

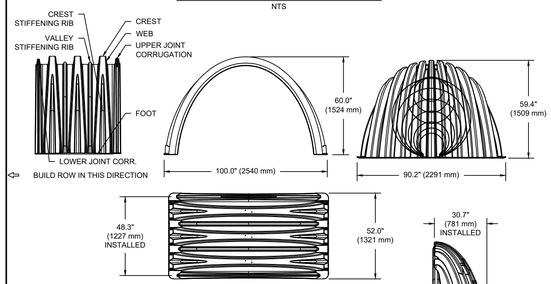
STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

SWM-4 STORMTECH MC-4500 CHAMBER DETENTION ISOLATOR ROW DETAIL
NOT TO SCALE

MC-4500 TECHNICAL SPECIFICATION
NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	100.0" X 60.0" X 48.3"	(2540 mm X 1524 mm X 1227 mm)
CHAMBER STORAGE	106.5 CUBIC FEET	(3.01 m³)
MINIMUM INSTALLED STORAGE*	162.6 CUBIC FEET	(4.60 m³)
WEIGHT	130.0 lbs.	(59.0 kg)

NOMINAL END CAP SPECIFICATIONS

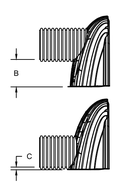
SIZE (W X H X INSTALLED LENGTH)	90.2" X 59.4" X 30.7"	(2291 mm X 1509 mm X 781 mm)
END CAP STORAGE	35.7 CUBIC FEET	(1.01 m³)
MINIMUM INSTALLED STORAGE*	108.7 CUBIC FEET	(3.08 m³)
WEIGHT	135.0 lbs.	(61.2 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION AND BETWEEN CHAMBERS, 12" (305 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A WELDED CROWN PLATE END WITH "C"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

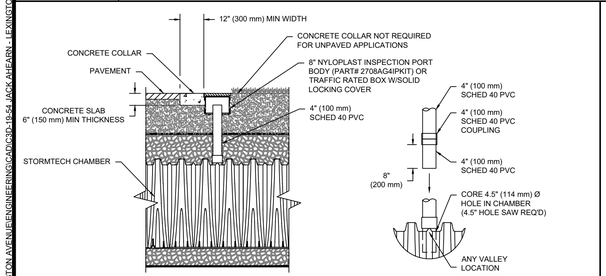
PART #	STUB	B	C
MC4500REPE06T	6" (150 mm)	42.54" (1.081 m)	---
MC4500REPE06B		---	0.86" (22 mm)
MC4500REPE08T	8" (200 mm)	40.50" (1.029 m)	---
MC4500REPE08B		---	1.01" (26 mm)
MC4500REPE10T	10" (250 mm)	38.37" (975 mm)	---
MC4500REPE10B		---	1.33" (34 mm)
MC4500REPE12T	12" (300 mm)	35.69" (907 mm)	---
MC4500REPE12B		---	1.55" (39 mm)
MC4500REPE15T	15" (375 mm)	32.72" (831 mm)	---
MC4500REPE15B		---	1.70" (43 mm)
MC4500REPE18TC	18" (450 mm)	29.36" (746 mm)	---
MC4500REPE18TW		---	1.97" (50 mm)
MC4500REPE18BC			
MC4500REPE18BW			
MC4500REPE24TC	24" (600 mm)	23.05" (585 mm)	---
MC4500REPE24TW		---	2.26" (57 mm)
MC4500REPE24BC			
MC4500REPE24BW			
MC4500REPE30BC	30" (750 mm)	---	2.95" (75 mm)
MC4500REPE36BC	36" (900 mm)	---	3.25" (83 mm)
MC4500REPE42BC	42" (1050 mm)	---	3.55" (90 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL



CUSTOM PRECORED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-4500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

SWM-2 STORMTECH MC-4500 CHAMBER DETAIL
NOT TO SCALE



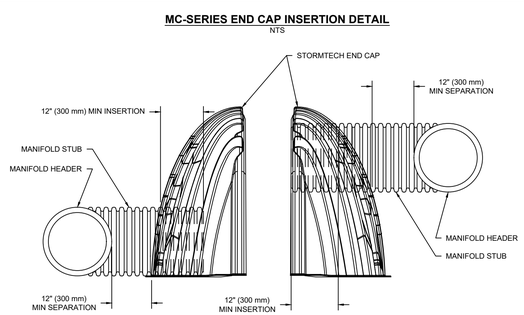
NOTES:
1. INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION VALLEY.
2. ALL SCHEDULE 40 FITTINGS TO BE SOLVENT CEMENTED (4" PVC NOT PROVIDED BY ADS).

4" PVC INSPECTION PORT DETAIL
NTS

CONNECTION DETAIL
NTS

SWM-5 STORMTECH FLUSING/INSPECTION PORT DETAIL
NOT TO SCALE

MC-SERIES END CAP INSERTION DETAIL
NTS



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

SWM-5 STORMTECH ENDCAP DETAIL
NOT TO SCALE

NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

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PROJECT # 19-54

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No.	Date	Comments:

SCALE: NTS
DRAWN BY: TK
DATE: 12/30/19

STORMWATER MANAGMENT DETAILS

PRELIMINARY SITE PLAN
PREPARED FOR
3451 LEXINGTON AVENUE
3451 LEXINGTON AVENUE
Town of Cortlandt
Westchester County, NY

Sheet C-504