



SITE LOCATION MAP
SCALE: 1" = 2000'

PROPOSED RESIDENTIAL COMMUNITY FOR

JACOBIE'S PARKSIDE FARM

APPLICANT/OWNER:
CERRONE BUILDERS
11-29 MOREAU REC ROAD
TOWN OF MOREAU, SARATOGA COUNTY, NEW YORK

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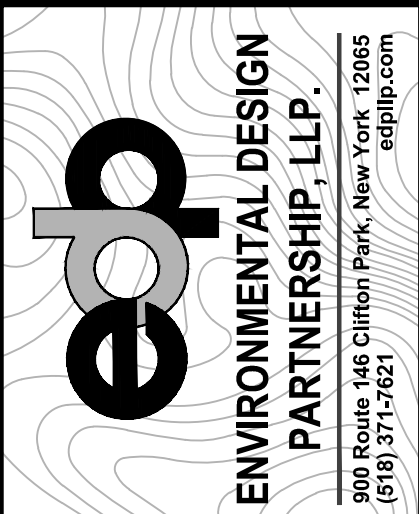
LONG TERM OPERATION AND MAINTENANCE PROCEDURES:

THE CLOSED STORMWATER MANAGEMENT SYSTEM OF JACOBIE'S PARKSIDE FARM WILL BE OWNED BY A HOMEOWNERS ASSOCIATION AND THE TOWN OF MOREAU. THE OPERATION AND MAINTENANCE REQUIREMENTS WILL BE THE RESPONSIBILITY OF THE HOMEOWNERS ASSOCIATION (INFILTRATION BASINS) AND TOWN (STORM PIPES).

THE ENTIRE STORMWATER MANAGEMENT SYSTEM SHALL BE INSPECTED ON A YEARLY BASIS TO ENSURE THAT THE SYSTEM OPERATES IN THE MANNER ORIGINALLY INTENDED. SPECIFIC COMPONENTS OF THE SYSTEM SHALL REQUIRE ADDITIONAL ATTENTION AS DESCRIBED BELOW.

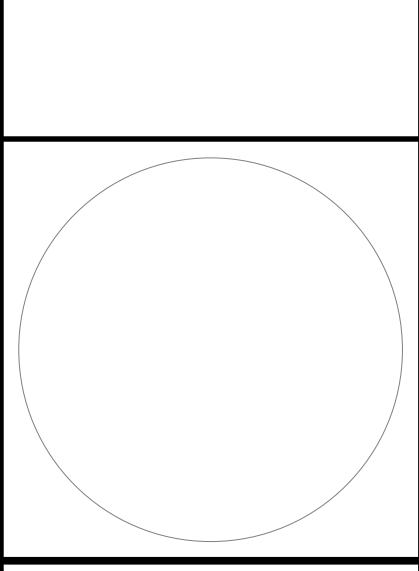
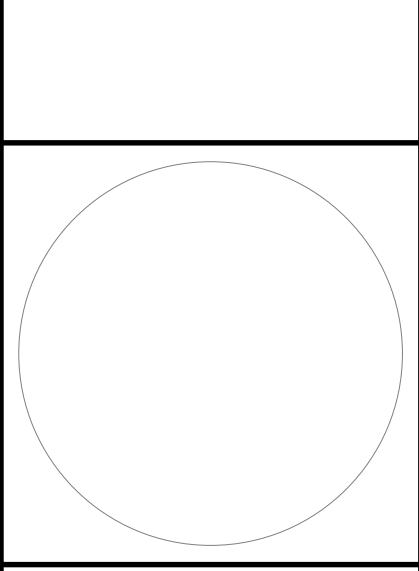
- INFILTRATION BASINS
 - BASINS SHALL BE INSPECTED ANNUALLY AND FOLLOWING MAJOR STORM EVENTS TO ENSURE THE SYSTEM OPERATES IN THE MANNER ORIGINALLY INTENDED. THE INSPECTION SHOULD INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING COMPONENTS: EMBANKMENT, EMERGENCY SPILLWAY, DRAIN, ACCUMULATION OF SEDIMENT, AND GENERAL EROSION CONTROL MEASURES.
 - RE-GRADING AND RE-VEGETATION SHALL BE PERFORMED AS NECESSARY AND RIP-RAP SHALL BE REPLACED AS NECESSARY.
 - EMBANKMENTS SHALL BE MOVED A MINIMUM OF TWICE PER YEAR TO DISCOURAGE WOODY GROWTH AND CONTROL WEEDS.
 - DEBRIS AND LITTER SHALL BE REMOVED FROM BASINS DURING REGULAR MOWING OPERATIONS OR MORE FREQUENTLY AS NECESSARY.
 - ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE INFILTRATION AREA WHEN 10 PERCENT OF THE BASIN CAPACITY HAS BEEN LOST DUE TO SEDIMENTATION OR AT A MINIMUM OF EVERY 10 TO 20 YEARS.
- OPEN CHANNELS
 - OPEN CHANNELS SHALL BE INSPECTED ANNUALLY AND FOLLOWING MAJOR STORM EVENTS TO ENSURE THE SYSTEM OPERATES IN THE MANNER ORIGINALLY INTENDED.
 - REMOVAL OF SEDIMENT BUILD-UP WITHIN THE BOTTOM OF THE CHANNEL OR FILTER STRIP SHALL BE REQUIRED WHEN 25% OF THE CHANNEL VOLUME HAS BEEN EXCEEDED.
- SOIL RESTORATION
 - INITIAL INSPECTIONS FOR THE FIRST SIX (6) MONTHS (ONCE AFTER EACH STORM GREATER THAN HALF-INCH).
 - RESEEDING TO REPAIR BARE OR ERODING AREAS TO ENSURE GRASS STABILIZATION.
 - WATER ONCE EVERY THREE (3) DAYS FOR FIRST MONTH, THEN PROVIDE A HALF INCH OF WATER PER WEEK DURING FIRST YEAR. IRRIGATION PLAN TO BE ADJUSTED ACCORDING TO RAIN EVENTS.
 - FERTILIZATION MAY BE NEEDED IN THE FALL AFTER THE FIRST GROWING SEASON TO INCREASE PLANT VIGOR.
 - PLANT APPROPRIATE GROUND COVER WITH DEEP ROOTS TO MAINTAIN SOIL STRUCTURE.
 - KEEP DECOMPACTED AREAS FREE OF VEHICULAR AND FOOT TRAFFIC OR OTHER HEAVY LOADS.
 - DETATCH TURF EVERY FEW YEARS OR AS NECESSARY.

NEW YORK STATE DEPARTMENT ENVIRONMENTAL CONSERVATION																	
NYSDEC CONSTRUCTION CERTIFICATION NOTE: THE CONSTRUCTION OF THE SANITARY SEWERS DEPICTED ON THESE PLANS SHALL BE UNDER THE SUPERVISION OF A PERSON OR FIRM QUALIFIED TO PRACTICE PROFESSIONAL ENGINEERING IN THE STATE OF NEW YORK UNDER THE EDUCATION LAW OF THE STATE OF NEW YORK, WITHIN THIRTY (30) DAY FOLLOWING THE COMPLETION OF THE CONSTRUCTION THE ENGINEER SHALL CERTIFY TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND TO THE OWNER THAT THE CONSTRUCTED FACILITIES HAVE BEEN CONSTRUCTED UNDER THE SUPERVISION AND THE WORK HAS BEEN FULLY COMPLETED IN ACCORDANCE WITH THE APPROVED ENGINEERING REPORT AND PLANS. THE PROJECT DEVELOPER MUST RECEIVE WRITTEN ACCEPTANCE OF SUCH CERTIFICATION FROM THE DEPARTMENT PRIOR TO PLACING THE FACILITIES IN SERVICE.																	
TOWN OF MOREAU PLANNING BOARD	SARATOGA COUNTY SEWER DISTRICT #1	NEW YORK STATE DEPARTMENT OF HEALTH															
<table><tr><th>RECORD OF SUBMITTALS</th><th>DATE</th><th>BY</th></tr><tr><td>PRELIMINARY SUBMISSION TO TOWN PLANNING BOARD</td><td>3/31/2025</td><td>JAC</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>			RECORD OF SUBMITTALS	DATE	BY	PRELIMINARY SUBMISSION TO TOWN PLANNING BOARD	3/31/2025	JAC									
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ENVIRONMENTAL DESIGN PARTNERSHIP, LLP. 908 Route 146 Clifton Park, New York 12065 (518) 371-7621 edp@edp.com																	



PROPOSED RESIDENTIAL COMMUNITY FOR
JACOBIE'S PARKSIDE FARM
CERRONE BUILDERS
11-29 MOREAU REC ROAD
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

DRAWN BY	JAC
CHECKED BY	JAC
ESP PROJECT NUMBER	12648
THE PREPARATION OF THESE DOCUMENTS IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ENVIRONMENTAL DESIGN PARTNERSHIP, LLP, IS PROHIBITED. ANY VIOLATION OF THIS POLICY SHALL BE SUBJECT TO LEGAL ACTION.	
REVISION	DATE BY
TOWN PRELIMINARY SUBMISSION	10/31/2023 JAC



SCALE:
AS NOTED

NOT FOR CONSTRUCTION

SHEET TITLE:
COVER SHEET

SHEET:
1 of 21

EXISTING ZONING	R-2 RESIDENTIAL
PROPOSED ZONING	PUD PLANNED UNIT DEVELOPMENT DISTRICT
PARCEL AREA OVERALL	27.19± ACRES
LOT ID 50.-3-28.2	12.74± ACRES
LOT ID 64.-1-54	14.45± ACRES
PROPOSED USE	PARK FRONT MIXED RESIDENTIAL
RESIDENTIAL USES	
APARTMENTS — PARKSIDE	68 UNITS (2 BUILDINGS)
APARTMENTS — FLATS	32 UNITS (2 BUILDINGS)
TOWNHOMES	32 UNITS (12 BUILDINGS)
CARRIAGE HOMES	28 UNITS (14 BUILDINGS)
COTTAGE HOMES	<u>21 UNITS (21 BUILDINGS)</u>
TOTAL RESIDENTIAL UNITS	181 UNITS
PROJECT RESIDENTIAL DENSITY	7± UNITS PER ACRE
LENGTH OF ROAD	RECONFIGURED REC ROAD —2,000± SF
COMMON OPEN SPACE	8.0± ACRES
UTILITY PROVISIONS:	
STORMWATER MANAGEMENT	ONSITE
WATER PROVISIONS	MUNICIPAL WATER
SANITARY PROVISIONS	MUNICIPAL CONNECTION

	DIAL NUMBER		
	SHEET NUMBER		DETAIL KEY
			PARKING OR TRAFFIC SIGN WITH LABEL
			ACCESSIBLE OR PARKING STRIPING
			ACCESSIBLE RAMP PATTERN
			DETECTABLE WARNING STRIP
			NUMBER OF PARKING SPACES DESIGNATION
	SINGLE		DOUBLE
	WALL CLOCK		LAMP POST
			SITE LIGHTING
PAVEMENT LIMITS:			
			ASPHALT WING CURB
			AREA OF ASPHALT PAVEMENT
			AREA OF ASPHALT SIDEWALK
			AREA OF CONCRETE
COMMON OPEN SPACE			

RESIDENTIAL USE	MIN LOT AREA (FT)	MIN LOT WIDTH (FT)	MIN LOT DEPTH (FT)	LOT COVERAGE (%)	MIN FLOOR AREA (SF)	MAX STRUCTURE HEIGHT (FT)	FRONT YARD SETBACK (FT)	SIDE YARD SETBACK (FT)	REAR YARD SETBACK (FT)	PORCH SETBACK (FT)
COTTAGE SINGLE—FAMILY DETACHED	4,500	50	95	80	800	38	20	7.5	5	8
CARRIAGE SINGLE—FAMILY ATTACHED/DUPLEX	4,500	40	95	80	800	38	10	7.5	20	8
TOWNHOME	2,500	30	95	80	800	38	20	7.5	5	8
APARTMENT—FLATS	20,000	N/A	N/A	80	N/A	42	25	25		N/A
APARTMENT—PARKSIDE RESIDENCE	20,000	N/A	N/A	80	N/A	42	5	25	25	N/A



DRAWN BY	JAC
CHECKED BY	JCD
EDP PROJECT NUMBER	12646
THE ALTERATION OF THESE DOCUMENTS IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OR ARCHITECT IS PROHIBITED. THE ENGINEER OR ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT OR ANY OTHER PARTY. THE ENGINEER OR ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT OR ANY OTHER PARTY.	
REVISION	DATE
TOWN PRELIMINARY SUBMISSION	03/31/2025

[illegible]

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SCALE: 1" = 60'

NOT FOR CONSTRUCTION

SHEET TITLE:

COMMUNITY
MASTER
PLAN

SHEET:

2 of 21

SOIL DATA

THE FOLLOWING TEST PITS WERE OBSERVED BY ENVIRONMENTAL DESIGN PARTNERSHIP, LLP ON DECEMBER 21, 2021.

TP#1 0"-8" TOPSOIL 8"-35" LIGHT BROWN FINE SAND 35"-96" LIGHT BROWN LOOSE MEDIUM COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED	TP#2 (LOW SPOT) 0"-5" TOPSOIL 5"-20" ORANGE BROWN FINE SAND 20"-62" LIGHT BROWN COARSE SAND 62"-92" LIGHT BROWN COARSE SAND SLIGHT MOTTLING OBSERVED AT 62"
TP#2 0"-8" TOPSOIL 8"-24" LIGHT BROWN FINE SAND 24"-96" LIGHT BROWN LOOSE MEDIUM COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED	TP#5 0"-9" TOPSOIL 9"-22" ORANGSH BROWN FINE SAND 22"-96" LIGHT BROWN LOOSE MEDIUM COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED
TP#3 0"-6" TOPSOIL 6"-16" ORANGE BROWN, FINE SAND 16"-96" LIGHT BROWN MEDIUM COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED	TP#9 0"-13" TOPSOIL 13"-32" ORANGSH BROWN FINE SAND 30"-96" LIGHT BROWN LOOSE MEDIUM COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED
TP#4 0"-10" TOPSOIL 10"-96" LIGHT BROWN FINE SAND NO EVIDENCE OF GROUNDWATER OBSERVED	TP#10 0"-9" TOPSOIL 9"-24" LIGHT BROWN FINE SAND 24"-96" LIGHT BROWN LOOSE COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED
TP#5 0"-11" TOPSOIL 7"-30" LIGHT BROWN FINE SAND 30"-96" LIGHT BROWN LOOSE MEDIUM COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED	TP#11 0"-8" TOPSOIL 8"-27" LIGHT BROWN FINE SAND 27"-96" LIGHT BROWN LOOSE MEDIUM COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED
TP#6 0"-9" TOPSOIL 9"-32" LIGHT BROWN FINE SAND 32"-96" LIGHT BROWN LOOSE MEDIUM COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED	TP#12 0"-10" TOPSOIL 10"-32" LIGHT BROWN FINE SAND 32"-96" LIGHT BROWN LOOSE MEDIUM COARSE SAND NO EVIDENCE OF GROUNDWATER OBSERVED

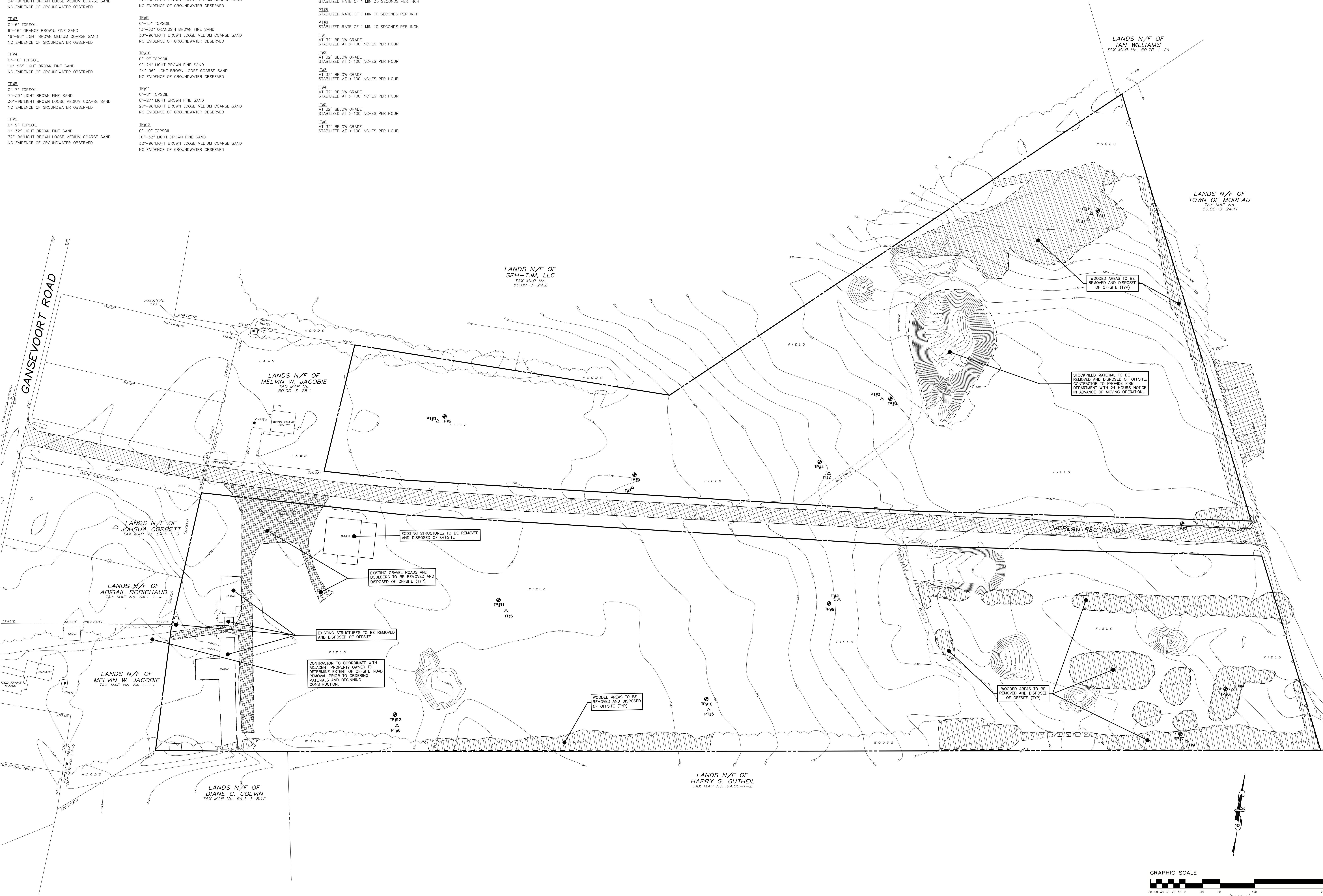
THE FOLLOWING PERCOLATION TESTS AND INFILTRATION TESTS WERE PERFORMED BY ENVIRONMENTAL DESIGN PARTNERSHIP, LLP ON DECEMBER 21, 2020. ALL PERCOLATION TESTS PRESOAKED WITH 12" OF WATER AND ALLOWED TO COMPLETELY DRAIN.

PT#1 STABILIZED RATE OF 1 MIN 20 SECONDS PER INCH	PT#3 STABILIZED RATE OF 1 MIN 10 SECONDS PER INCH
PT#2 STABILIZED RATE OF 1 MIN 10 SECONDS PER INCH	PT#4 STABILIZED RATE OF 1 MIN 35 SECONDS PER INCH
PT#3 STABILIZED RATE OF 1 MIN 10 SECONDS PER INCH	PT#5 STABILIZED RATE OF 1 MIN 10 SECONDS PER INCH
PT#4 STABILIZED RATE OF 1 MIN 10 SECONDS PER INCH	PT#6 STABILIZED RATE OF 1 MIN 10 SECONDS PER INCH
PT#5 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR	PT#7 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR
PT#6 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR	PT#8 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR
PT#7 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR	PT#9 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR
PT#8 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR	PT#10 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR
PT#9 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR	PT#11 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR
PT#10 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR	PT#12 AT 32" BELOW GRADE STABILIZED AT > 100 INCHES PER HOUR

MAP REFERENCE:
1) MAP ENTITLED: "MAP OF A SURVEY MADE FOR KINGSWOOD VILLAGE, LLC"
MAP DATE: NOVEMBER 1, 2004
PREPARED BY: Van DUSEN & STEVES, LAND SURVEYORS

REMOVALS LEGEND:

- DENOTES EXISTING PAVEMENT AREA TO BE REMOVED
- DENOTES EXISTING PAVEMENT AREA TO BE MILLED AND REPAVED
- DENOTES EXISTING VEGETATION TO BE REMOVED
- DENOTES APPROXIMATE LOCATION OF REMOVAL LIMITS



PROPOSED RESIDENTIAL COMMUNITY FOR
JACOBIE'S PARKSIDE FARM
CERRONE BUILDERS

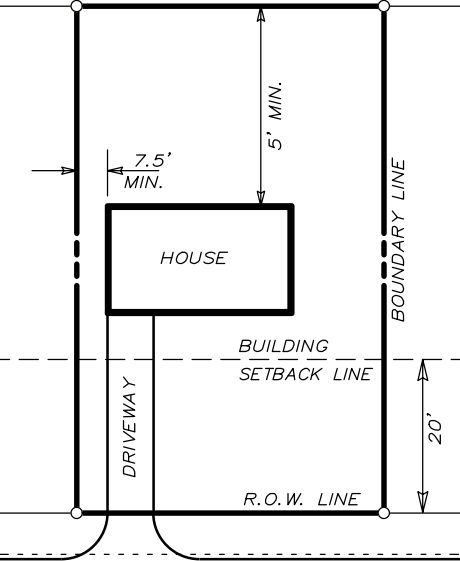
11-29 MOREAU REC ROAD
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

DRAWN BY	JAC
CHECKED BY	JAC
ESP PROJECT NUMBER	12643
DATE	10/19/2020
BY	JAC

REVISION	DATE	BY
1	10/19/2020	JAC

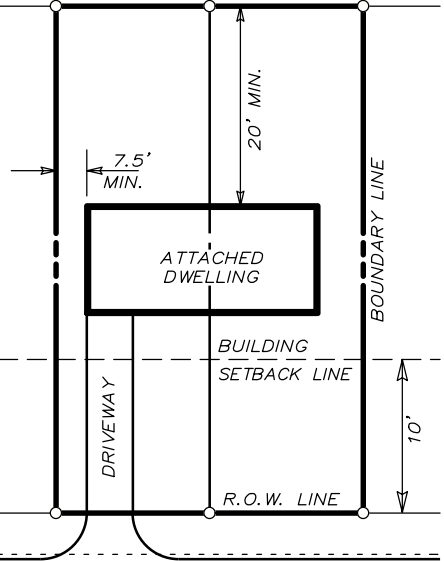
SCALE:	1" = 60'
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SHEET TITLE:	EXISTING CONDITIONS AND REMOVALS PLAN
SHEET:	3 of 21

COTTAGE SINGLE-FAMILY
DETACHED



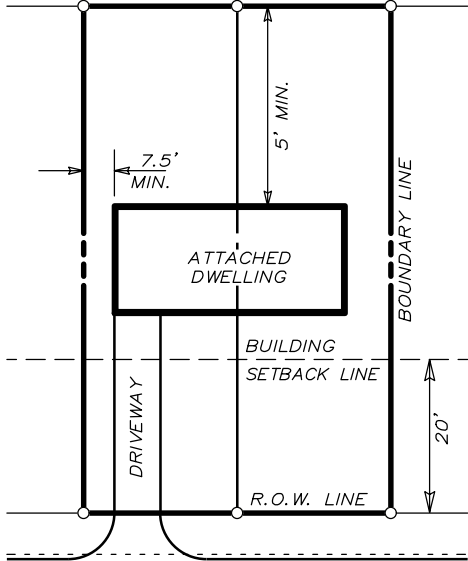
TYPICAL LOT
NOT TO SCALE

CARRIAGE SINGLE-FAMILY
ATTACHED/DUPLEX



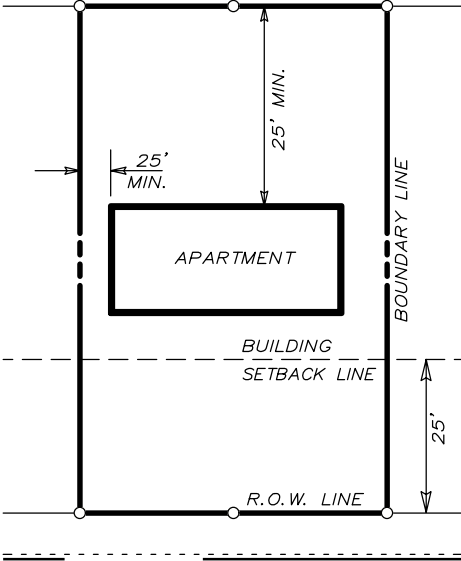
TYPICAL LOT
NOT TO SCALE

TOWNHOME



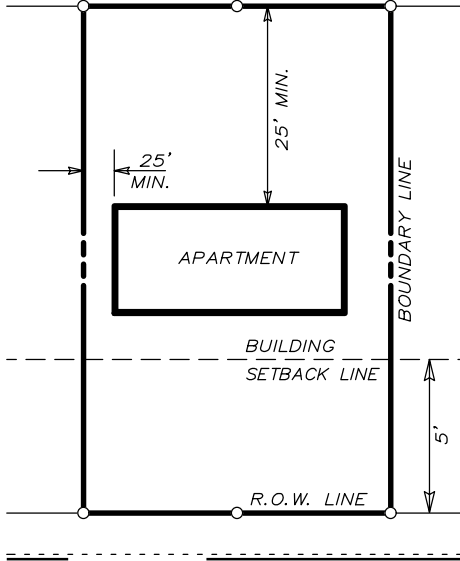
TYPICAL LOT
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APARTMENT-FLATS



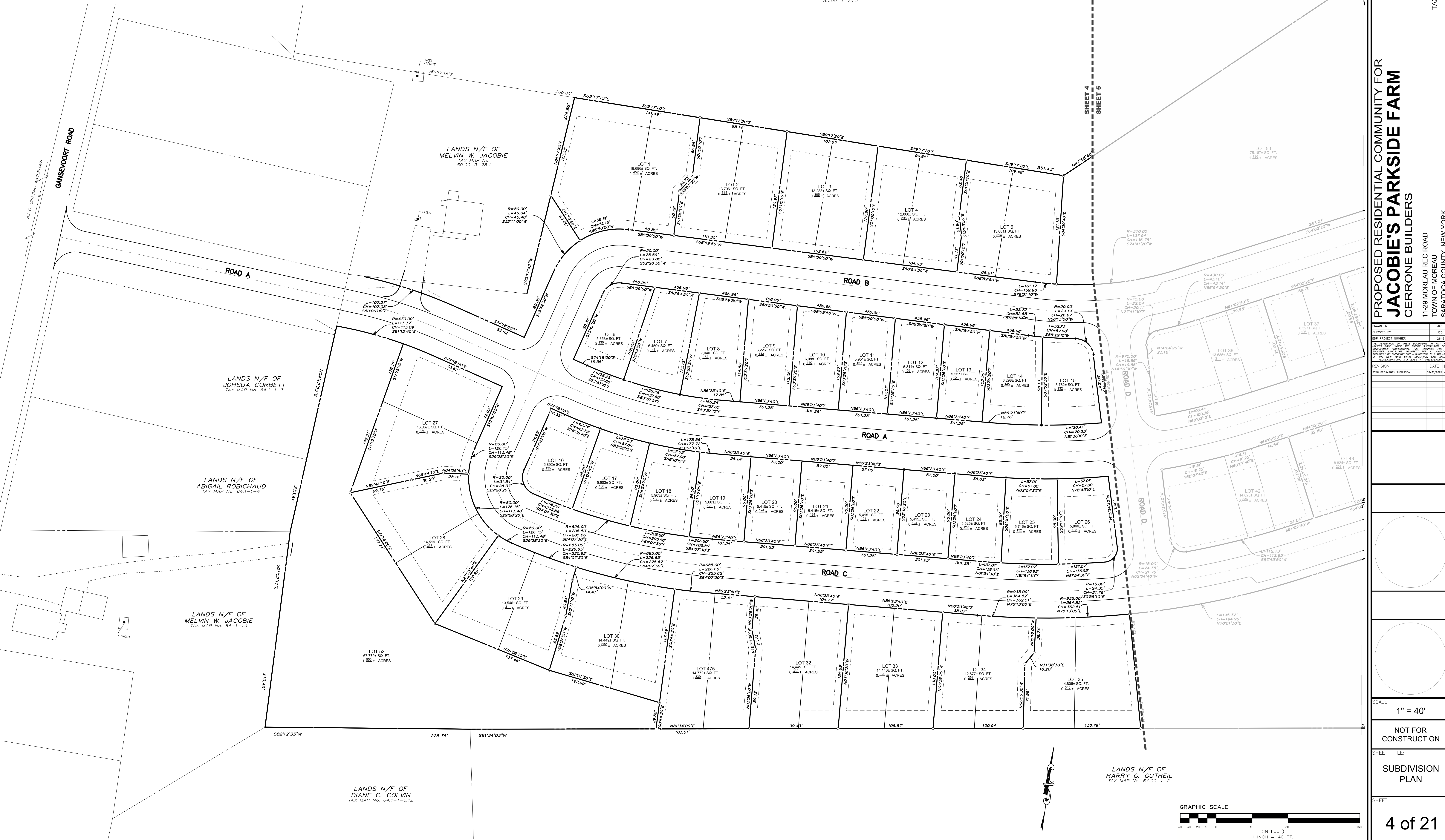
TYPICAL LOT
NOT TO SCALE

APARTMENT-PARKSIDE
RESIDENCE



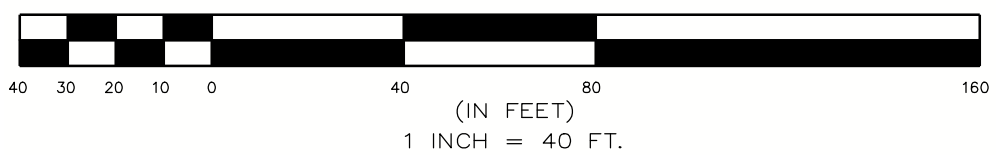
TYPICAL LOT
NOT TO SCALE

LANDS N/F OF
SRH-TJM, LLC
TAX MAP NO.
50.00-3-29.2



LANDS N/F OF
HARRY G. GUTHEIL
TAX MAP NO. 64.00-1-2

GRAPHIC SCALE



PROPOSED RESIDENTIAL COMMUNITY FOR
JACOBIE'S PARKSIDE FARM
CERRONE BUILDERS

11-29 MOREAU REC ROAD
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

DRAWN BY	JAC	
CHECKED BY	JCD	
PROJECT NUMBER	12646	
CERTIFICATION OF THESE DOCUMENTS IN ANY FORM OR MANNER UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL (P.E.) ENGINEER FOR A LANDSCAPE ARCHITECTURE FOR A LANDSCAPE ARCHITECTURE IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND REGULATIONS AND IS A CLASS "A" MISDEMEANOR.		
REVISION	DATE	BY
PRELIMINARY SUBMISSION	03/31/2025	

1	12/14/2023	JAC
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1	12/14/2023	JAC
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SCALE:
1" = 40'

NOT FOR
CONSTRUCTION

SHEET TITLE:

SUBDIVISION
PLAN

SHEET:

4 of 21



LANDS N/F OF
SRH-TJM, LLC

LANDS N/F OF
TOWN OF MOREAU

PROPOSED RESIDENTIAL COMMUNITY FOR
JACOBIE'S PARKSIDE FARM

CERRONE BUILDERS
11-29 MOREAU REC ROAD
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

DRAWN BY	JAC	
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EDP PROJECT NUMBER	12646	
THE ALTERATION OF THESE DOCUMENTS IN ANY WAY UNLESS DONE UNDER THE DIRECT SUPERVISION OF A COMPARABLE PROFESSIONAL (I.E. ENGINEER FOR A ENGINEER, LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT OR SURVEYOR FOR A SURVEYOR) IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND REGULATIONS AND IS A CLASS "A" MISDEMEANOR		
REVISION	DATE	BY
TOWN PRELIMINARY SUBMISSION	03/31/2025	JAC

1	02/02/2025	JAC
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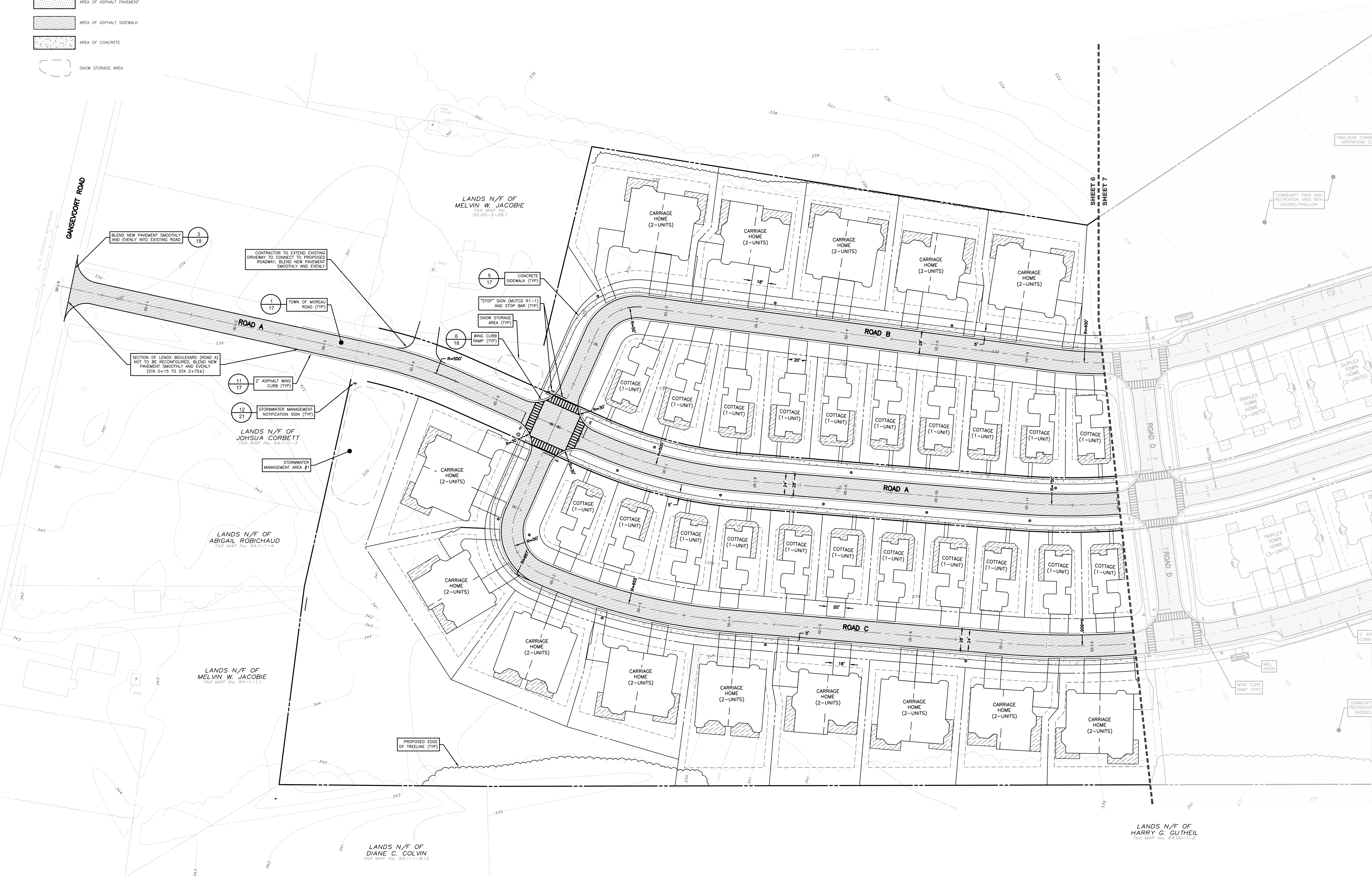
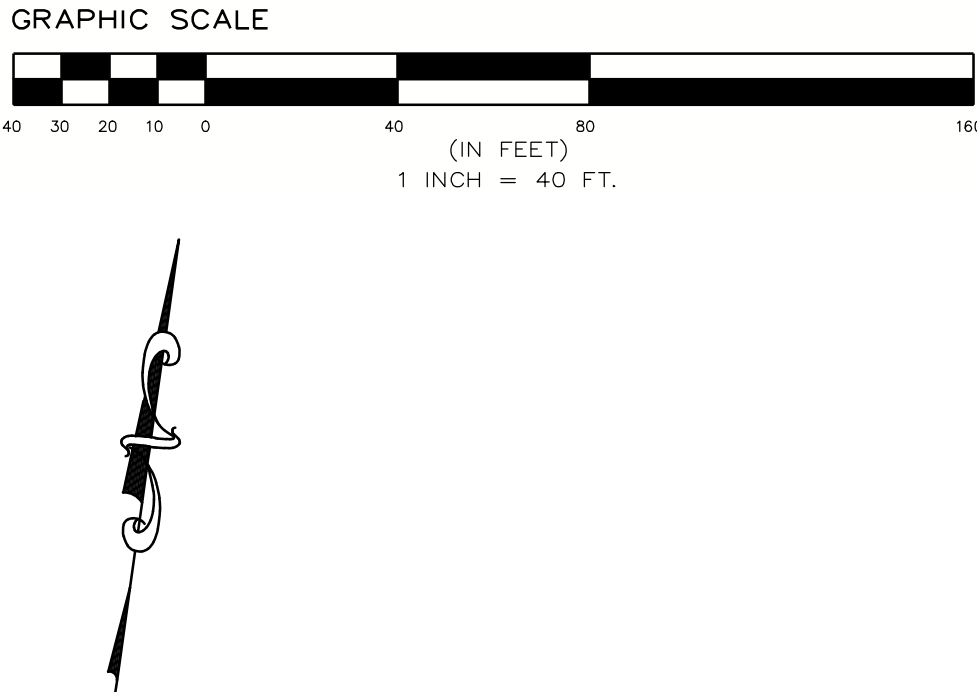
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1	02/02/2025	JAC
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SITE PLAN LEGEND:

- 1
12
DETAIL NUMBER
SHEET NUMBER
- ACCESSIBLE PARKING SYMBOL
PARKING OR TRAFFIC SIGN WITH LABEL
ACCESSIBLE OR PARKING STRIPING
ACCESSIBLE RAMP PATTERN
DETECTABLE WARNING STRIP
NUMBER OF PARKING SPACES DESIGNATION
SHIELD SOURCE LAMP POST
WALL PACK
SITE LIGHTING
PAVEMENT LIMITS
ASPHALT WING CURB
AREA OF ASPHALT PAVEMENT
AREA OF ASPHALT SIDEWALK
AREA OF CONCRETE
SNOW STORAGE AREA



PROPOSED RESIDENTIAL COMMUNITY FOR
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CERRONE BUILDERS

11-29 MOREAU REC ROAD
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

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THE ALTERATION OF THESE DOCUMENTS IN ANY MANNER WITHOUT THE DIRECT SUPERVISION OF A COMPARABLE PROFESSIONAL (I.E. ENGINEER OR ARCHITECT, LANDSCAPE ARCHITECT, OR LANDSCAPE ARCHITECT OR SURVEYOR FOR A LANDSCAPE ARCHITECT OR SURVEY	

1	10/1/2023	JAC
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1	10/1/2023	JAC
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1	10/1/2023	JAC
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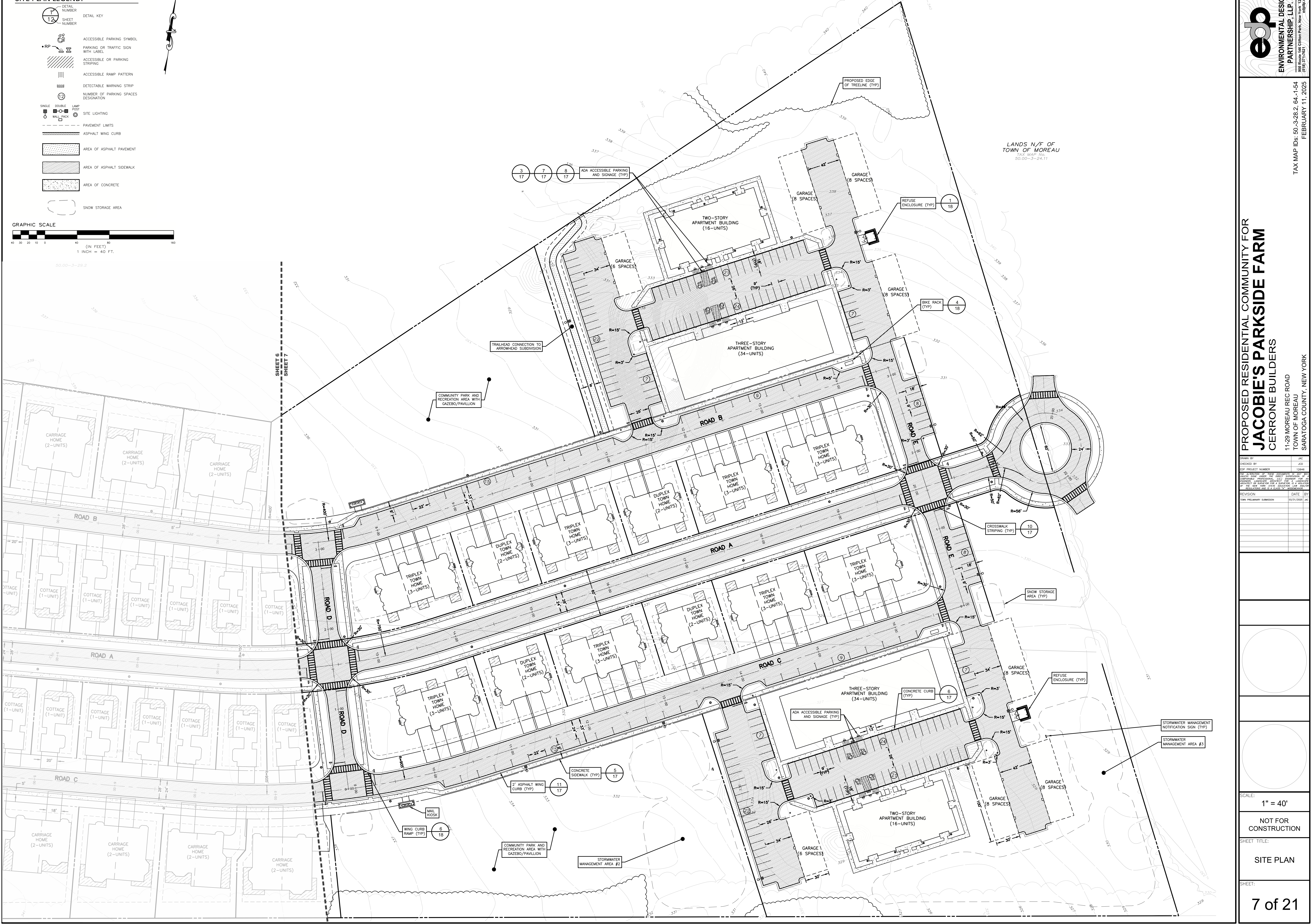
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1	10/1/2023	JAC
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SITE PLAN LEGEND:

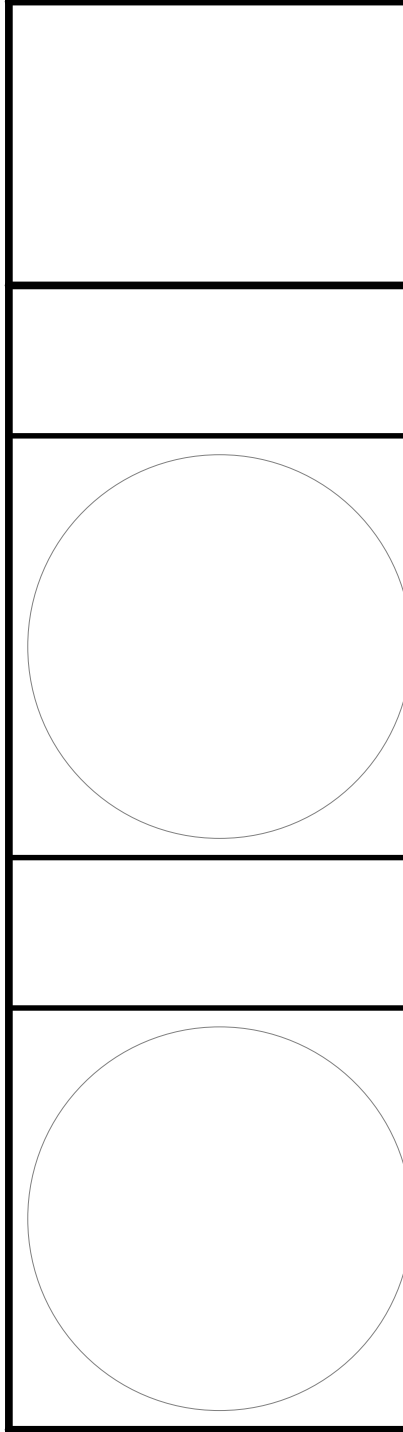
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12 SHEET NUMBER
- ACCESSIBLE PARKING SYMBOL
PARKING OR TRAFFIC SIGN WITH LABEL
ACCESSIBLE OR PARKING STRIPING
ACCESSIBLE RAMP PATTERN
DETECTABLE WARNING STRIP
NUMBER OF PARKING SPACES DESIGNATION
- SINGLE DOUBLE LAMP
POST POST
WALL BACK
- SITE LIGHTING
PAVEMENT LIMITS
ASPHALT WING CURB
AREA OF ASPHALT PAVEMENT
AREA OF ASPHALT SIDEWALK
AREA OF CONCRETE
SNOW STORAGE AREA



PROPOSED RESIDENTIAL COMMUNITY FOR
JACOBIE'S PARKSIDE FARM
CERRONE BUILDERS

11-29 MOREAU REC ROAD
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

DRAWN BY	JAC
CHECKED BY	JAC
DATE	12/14/21
PROJECT NUMBER	12644
THIS IS A PRELIMINARY DESIGN. THE DESIGNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE DESIGNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE DESIGNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREON.	
REVISION	DATE
1. PRELIMINARY SUBMISSION	10/11/2020



SCALE:
1" = 40'

NOT FOR
CONSTRUCTION

SHEET TITLE:
SITE PLAN

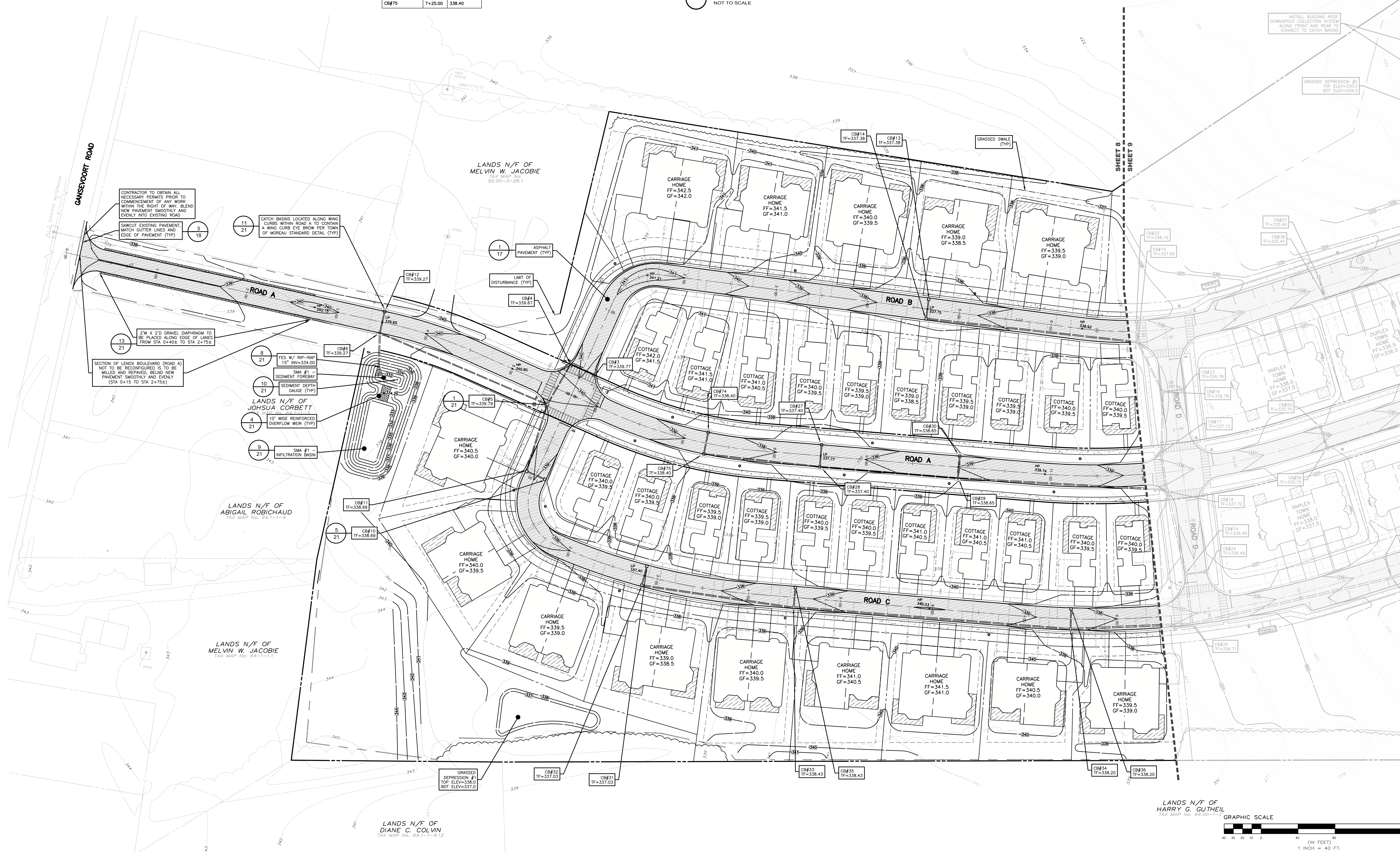
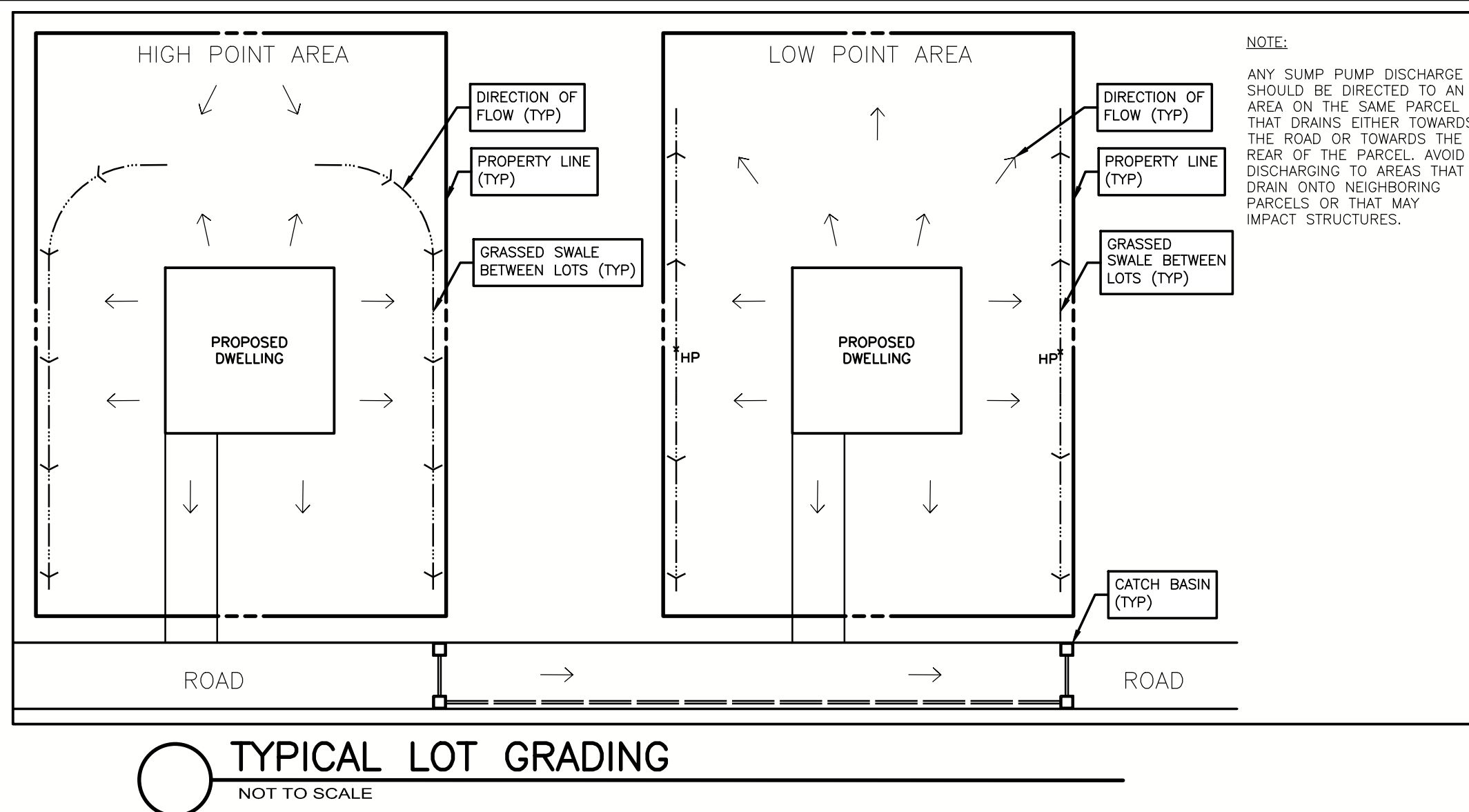
SHEET:
7 of 21

	DETAIL NUMBER
	SHEET NUMBER
DETAIL KEY	
	PAVEMENT LIMITS
	PAVED OR GRASSED SWALE
	CONTOUR LINE
	SQUARE OR ROUND CATCH BASINS
	FLARED END SECTION WITH RIP-RAP OUTLET
	RIP-RAP OVERFLOW
	GRAVEL DIAPHRAGM
	SPOT ELEVATION
	SANITARY MANHOLE
	FIRE HYDRANT
	PARKING, TRAFFIC OR STORMWATER MANAGEMENT SIGN WITH LABEL

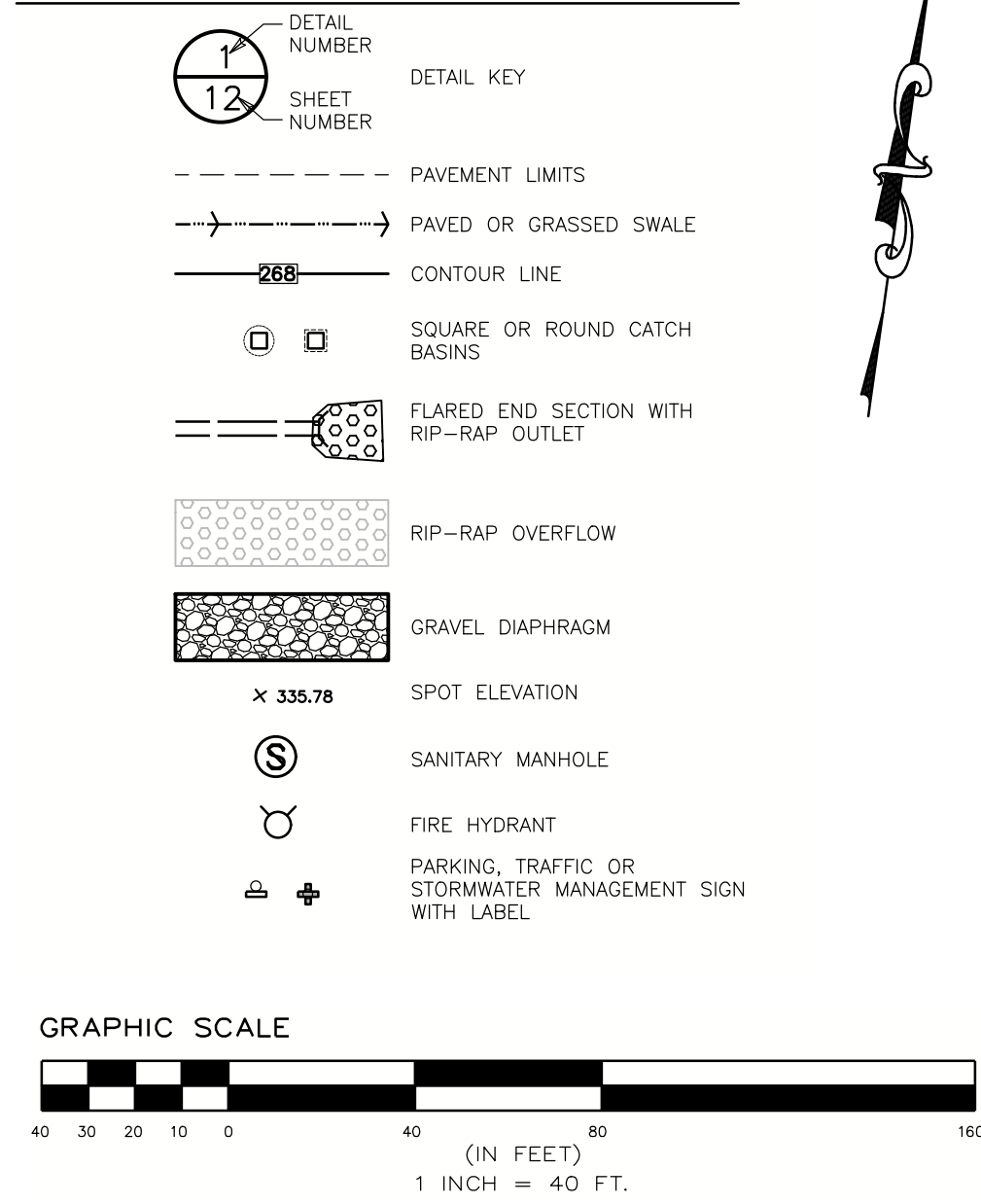


STORM STRUCTURE DATA		
STRUCTURE NAME	STATION	RIM ELEVATION
CB#3	5+84.45	339.77
CB#4	5+55.62	339.67
CB#5	5+49.33	339.79
CB#6	3+50.00	339.27
CB#10	0+95.00	338.69
CB#11	0+95.00	338.69
CB#12	3+50.00	339.27
CB#13	4+65.02	337.38
CB#14	4+65.02	337.40
CB#27	8+50.00	337.40
CB#28	8+50.00	337.40
CB#29	10+00.00	338.65
CB#30	10+00.00	338.65
CB#31	2+85.45	337.03
CB#32	2+85.45	337.03
CB#33	4+65.02	338.43
CB#34	7+50.00	338.20
CB#35	4+50.00	338.43
CB#36	7+50.00	338.20
CB#74	7+25.00	338.40
CB#75	7+25.00	338.40

STORMWATER END SECTOIN DATA	
STRUCTURE NAME	FES INV ELEVATION
FES#1	334.00



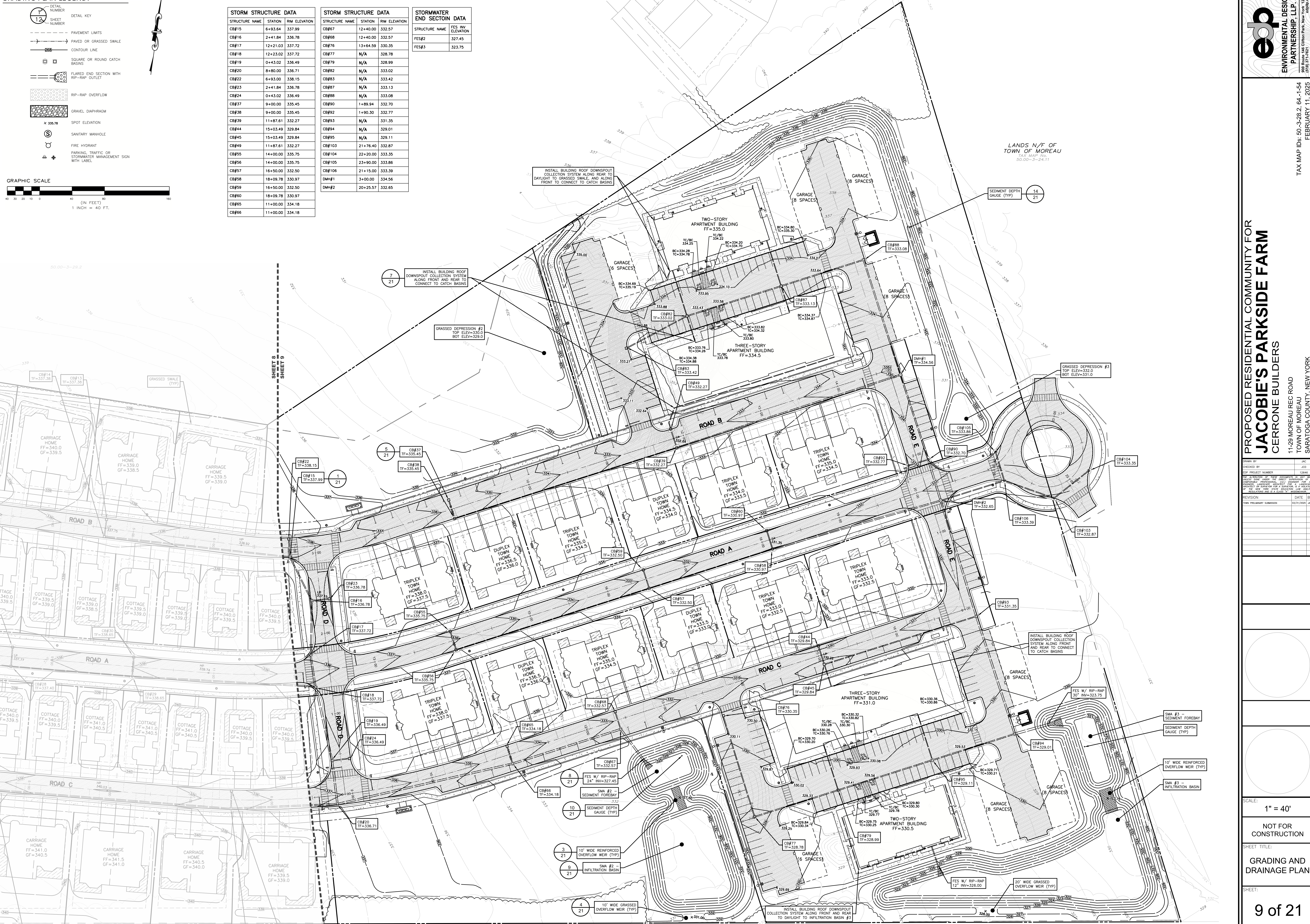
GRADING PLAN LEGEND:



STORM STRUCTURE DATA		
STRUCTURE NAME	STATION	RIM ELEVATION
CB#15	6+93.64	337.99
CB#16	2+41.84	336.78
CB#17	12+21.03	337.72
CB#18	12+23.02	337.72
CB#19	0+43.02	336.49
CB#20	8+80.00	336.71
CB#22	6+93.00	338.15
CB#23	2+41.84	336.78
CB#24	0+43.02	336.49
CB#37	9+00.00	335.45
CB#38	9+00.00	335.45
CB#39	11+87.61	332.27
CB#44	15+03.49	329.84
CB#45	15+03.49	329.84
CB#49	11+87.61	332.27
CB#55	14+00.00	335.75
CB#56	14+00.00	335.75
CB#57	16+50.00	332.50
CB#58	18+09.78	330.97
CB#59	16+50.00	332.50
CB#60	18+09.78	330.97
CB#65	11+00.00	334.18
CB#66	11+00.00	334.18

STORM STRUCTURE DATA		
STRUCTURE NAME	STATION	RIM ELEVATION
CB#67	12+40.00	332.57
CB#68	12+40.00	332.57
CB#76	13+64.59	330.35
CB#77	N/A	328.78
CB#79	N/A	328.99
CB#82	N/A	333.02
CB#83	N/A	333.42
CB#87	N/A	333.13
CB#88	N/A	333.08
CB#90	1+89.94	332.70
CB#92	1+90.30	332.77
CB#93	N/A	331.35
CB#94	N/A	329.01
CB#95	N/A	329.11
CB#103	21+76.40	332.87
CB#104	22+20.00	333.35
CB#105	23+90.00	333.86
CB#106	21+15.00	333.39
DMH#1	3+00.00	334.56
DMH#2	20+25.57	332.65

STORMWATER END SECTION DATA		
STRUCTURE NAME	FES INV. ELEVATION	
FES#2	327.45	
FES#3	323.75	



PROPOSED RESIDENTIAL COMMUNITY FOR
JACOBIE'S PARKSIDE FARM
CERRONE BUILDERS

11-29 MOREAU REC ROAD
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

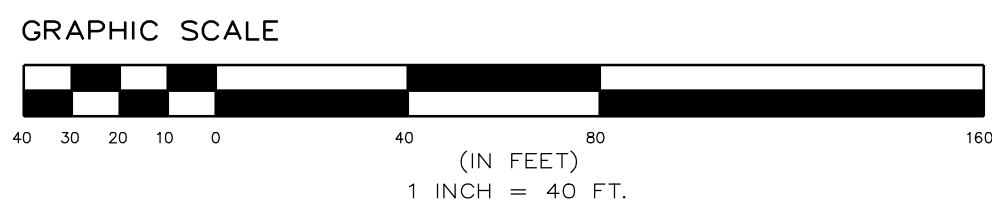
DRAWN BY	JAC
CHECKED BY	21
DATE	12/24
PROJECT NUMBER	12644
REVISION	
DATE	10/17/2020
BY	21
DESCRIPTION	

SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	GRADING AND DRAINAGE PLAN
SHEET:	9 of 21

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
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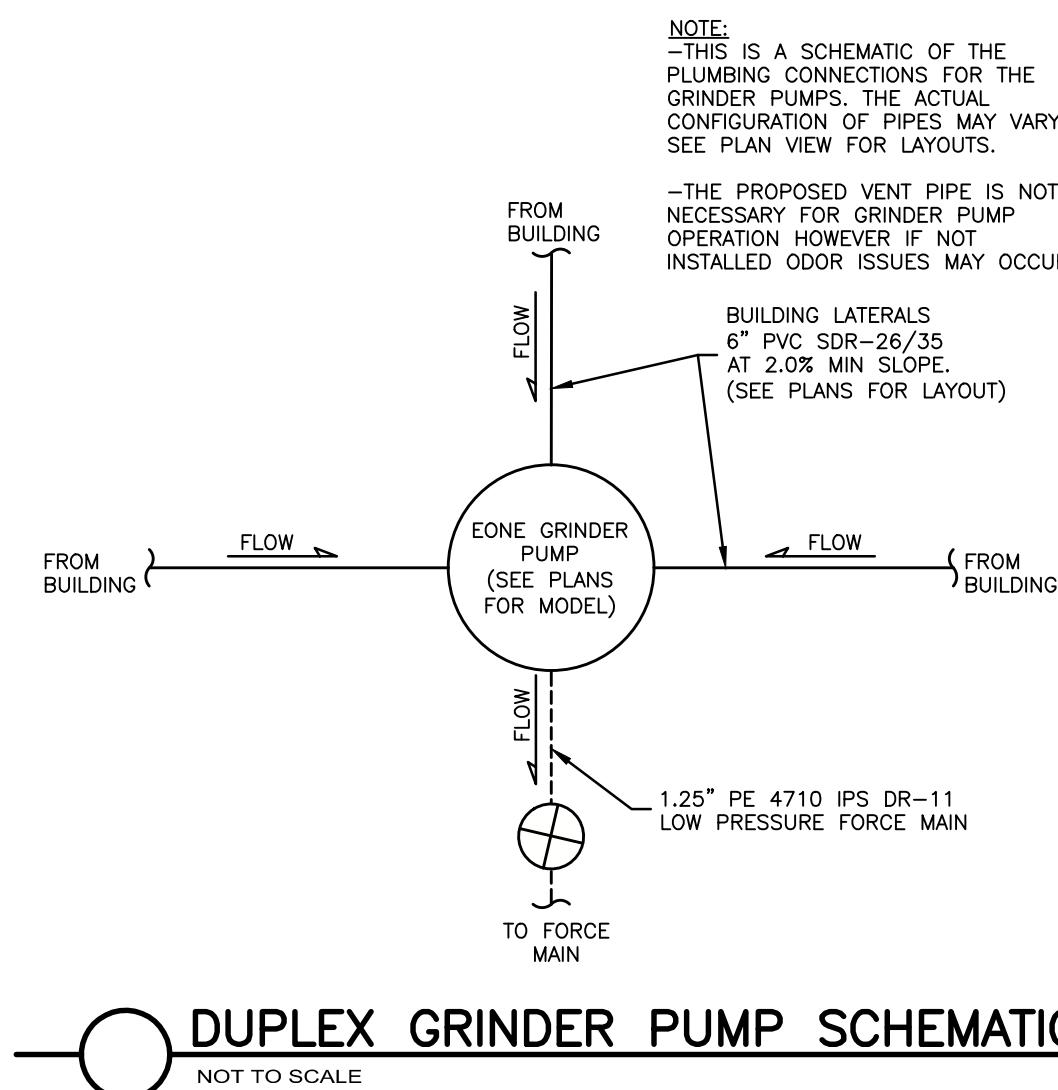
GRADING PLAN LEGEND:



- DETAIL NUMBER
12
SHEET NUMBER
- PAVEMENT LIMITS
- PAVED OR GRASSSED SWALE
- CONTOUR LINE
- SQUARE OR ROUND CATCH BASINS
- FLARED END SECTION WITH RIP-RAP OUTLET
- RIP-RAP OVERFLOW
- GRAVEL DIAPHRAGM
- SPOT ELEVATION
- SANITARY MANHOLE
- FIRE HYDRANT
- PARKING, TRAFFIC OR STORMWATER MANAGEMENT SIGN WITH LABEL

STORM STRUCTURE DATA				
STRUCTURE NAME	STATION	RIM ELEVATION	PIPE INVERT IN	PIPE INVERT OUT
CB#3	5+84.45	339.77	12"-335.80 (FROM CB#3)	12"-335.95 (TO CB#4)
CB#4	5+55.62	339.67	12"-335.80 (FROM CB#3)	12"-335.80 (TO CB#5)
CB#5	5+49.35	339.79	12"-335.40 (FROM CB#11)	12"-335.40 (TO CB#6)
CB#6	5+50.00	339.27	12"-334.50 (FROM CB#5)	15"-334.25 (TO FES#1)
CB#10	0+95.00	338.69	12"-335.85 (TO CB#11)	
CB#11	0+95.00	338.69	12"-335.70 (FROM CB#10)	12"-335.70 (TO CB#5)
CB#12	3+50.00	339.27	12"-336.45 (TO CB#6)	
CB#13	4+465.00	337.36	12"-334.55 (TO CB#14)	
CB#14	4+465.00	337.36	12"-334.15 (FROM CB#13)	15"-334.15 (TO CB#15)
CB#27	8+50.00	337.40	12"-334.60 (TO CB#28)	
CB#28	8+50.00	337.40	12"-334.45 (FROM CB#27)	15"-334.20 (TO CB#29)
CB#29	10+00.00	338.65	15"-333.50 (FROM CB#28)	15"-333.50 (TO CB#18)
CB#30	10+00.00	338.65	12"-334.70 (TO CB#29)	
CB#31	2+805.45	337.03	12"-334.20 (TO CB#32)	
CB#32	2+885.45	337.03	12"-334.00 (FROM CB#31)	15"-333.80 (TO CB#33)
CB#33	4+50.00	338.43	15"-333.00 (FROM CB#32)	15"-333.00 (TO CB#34)
CB#34	7+50.00	338.20	12"-334.00 (FROM CB#33)	16"-331.25 (TO CB#20)
CB#35	4+50.00	338.43	12"-334.50 (TO CB#33)	
CB#36	7+50.00	338.20	12"-334.20 (TO CB#34)	
CB#74	7+25.00	338.40	12"-335.60 (TO CB#70)	
CB#75	7+25.00	338.40	12"-335.45 (TO CB#28)	

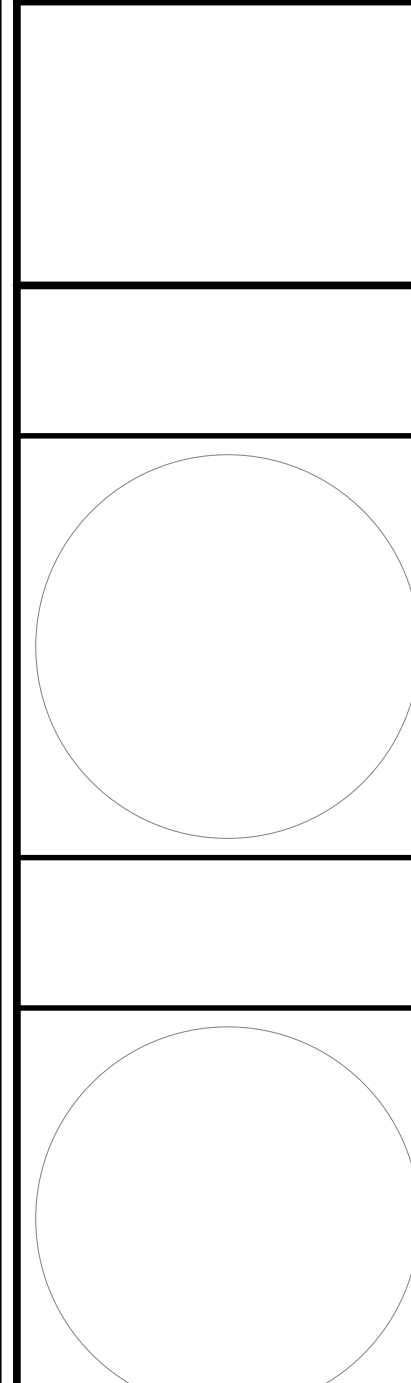
STORMWATER END SECTION DATA	
STRUCTURE NAME	FES INV ELEVATION
FES#1	334.00



PROPOSED RESIDENTIAL COMMUNITY FOR
JACOBIE'S PARKSIDE FARM
CERRONE BUILDERS

11-29 MOREAU REC ROAD
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

DRAWN BY	JAC
CHECKED BY	JAC
CDP PROJECT NUMBER	12646
THE ALTERATION OF THESE DOCUMENTS IN ANY MANNER, UNLESS DONE UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL (P.E.) ENGINEER FOR A CIVIL ENGINEER, LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT OR SUPERVISOR FOR A SURVEYOR, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND REGULATIONS AND IS A CLASS "A" MISDEMEANOR.	
REVISION	DATE
TOWN PRELIMINARY SUBMISSION	03/31/2025



SCALE:
1" = 40'

NOT FOR
CONSTRUCTION

SHEET TITLE:

UTILITY PLAN

SHEET:

10 of 21

SCALE:

NOT FOR

CONSTRUCTION

SHEET TITLE:

UTILITY PLAN

SHEET:

10 of 21

SCALE:

NOT FOR

CONSTRUCTION

SHEET TITLE:

UTILITY PLAN

SHEET:

10 of 21

DETAIL NUMBER
12
SHEET NUMBER
12

PAVEMENT LIMITS

PAVED OR GRASSED SWALE

CONTOUR LINE

28.8

SQUARE OR ROUND CATCH BASINS

FLARED END SECTION WITH RIP-RAP OUTLET

RIP-RAP OVERFLOW

GRAVEL DIAPHRAGM

X 335.78

SPOT ELEVATION

SANITARY MANHOLE

FIRE HYDRANT

PARKING, TRAFFIC OR STORMWATER MANAGEMENT SIGN WITH LABEL

GRAPHIC SCALE

0 10 20 30 40 50 60

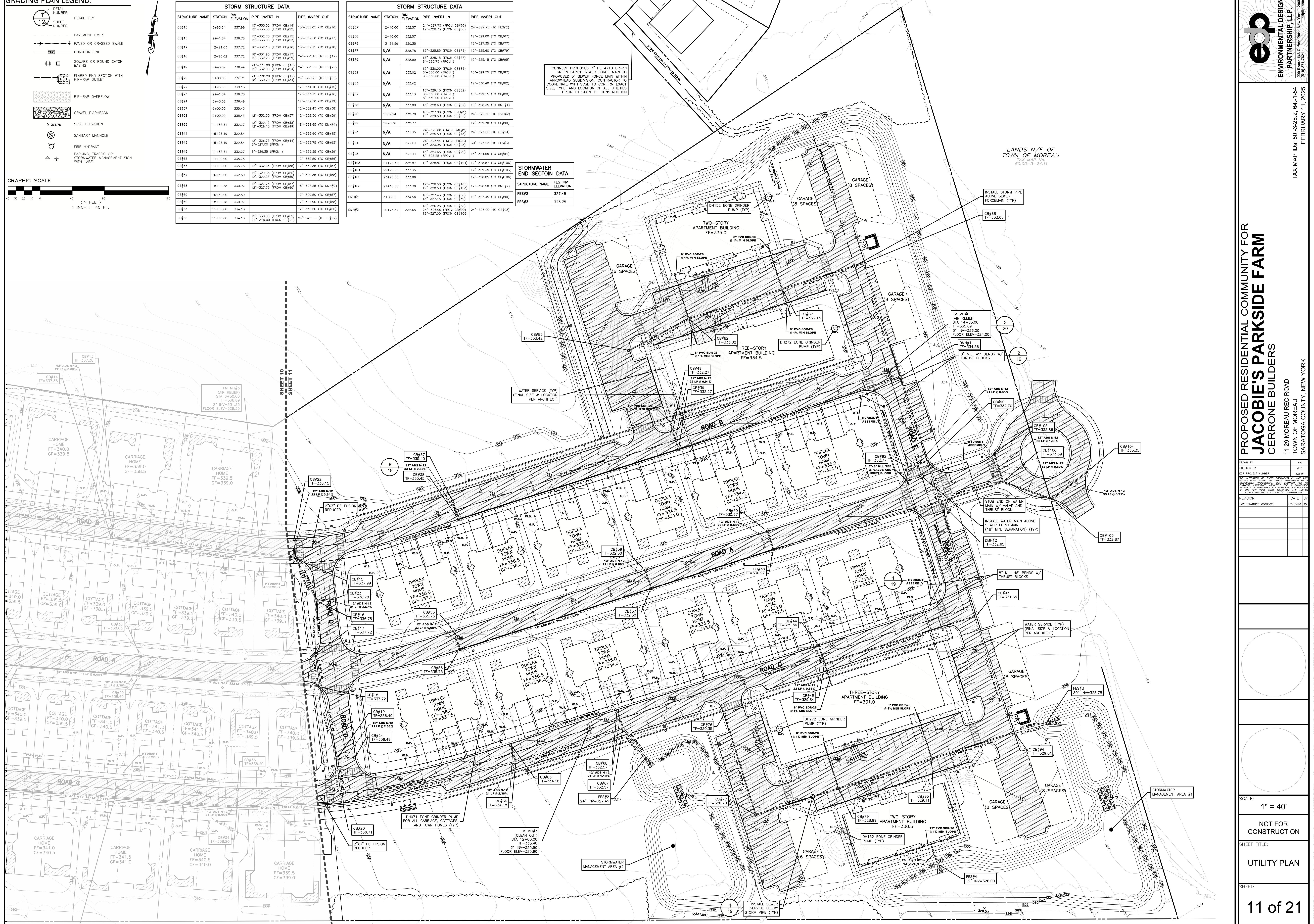
(IN FEET)

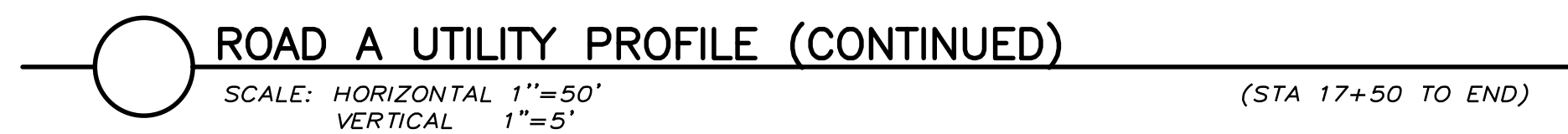
1 INCH = 40 FT.

STATION PERFORMANCE DATA				
STRUCTURE NAME	STATION	RM ELEVATION	PIPE INVERT N	PIPE INVERT D
CR#15	6+63.64	337.99	12'-533.05 (FROM CR#14) 12'-533.00 (FROM CR#25)	10'-335.05 (TO CR#16)
CR#16	2+41.84	356.78	10'-337.75 (FROM CR#15) 12'-333.00 (FROM CR#25)	10'-332.55 (TO CR#18)
CR#17	12+21.03	337.72	10'-332.15 (FROM CR#16) 12'-331.85 (FROM CR#17) 12'-532.00 (FROM CR#25)	10'-332.75 (TO CR#18)
CR#18	12+25.02	337.72	12'-331.85 (FROM CR#17) 12'-532.00 (FROM CR#25)	14'-351.45 (TO CR#19)
CR#19	0+43.02	356.49	24'-333.00 (FROM CR#18) 12'-532.00 (FROM CR#25)	14'-331.00 (TO CR#20)
CR#20	8+45.00	336.71	24'-330.20 (FROM CR#19) 12'-330.70 (FROM CR#25)	14'-330.20 (TO CR#16)
CR#22	6+93.00	338.15		12'-341.34 (TO CR#21)
CR#23	2+41.84	356.78		12'-333.75 (TO CR#16)
CR#24	0+43.02	356.49		12'-332.75 (TO CR#18)
CR#27	9+00.00	335.45		12'-334.25 (TO CR#30)
CR#38	9+00.00	335.45	12'-332.30 (FROM CR#37)	12'-332.30 (TO CR#38)
CR#39	11+87.61	332.84	12'-329.15 (FROM CR#38) 12'-329.15 (FROM CR#39)	10'-328.65 (TO CR#41)
CR#44	15+03.49	329.27		12'-326.90 (TO CR#43)
CR#45	15+03.49	329.84	12'-326.75 (FROM CR#44) 8'-327.00 (FROM)	12'-326.75 (TO CR#35)
CR#49	11+87.61	332.72	8'-329.35 (FROM)	12'-329.35 (TO CR#39)
CR#50	14+00.00	335.75		12'-332.50 (TO CR#56)
CR#51	14+00.00	335.75	12'-332.50 (FROM CR#50)	12'-332.50 (TO CR#57)
CR#56	16+50.00	332.50	12'-329.35 (FROM CR#50) 12'-329.35 (FROM CR#56)	12'-329.35 (TO CR#57)
CR#58	18+09.78	330.97	12'-327.75 (FROM CR#57) 12'-327.75 (FROM CR#60)	10'-327.25 (TO CR#42)
CR#59	16+50.00	332.50		12'-329.35 (TO CR#57)
CR#60	18+09.78	330.97		12'-327.25 (TO CR#58)
CR#65	11+00.00	354.18		12'-350.30 (TO CR#66)
CR#66	11+00.00	354.18	12'-330.00 (FROM CR#65) 24'-329.00 (FROM CR#65)	24'-329.00 (TO CR#67)

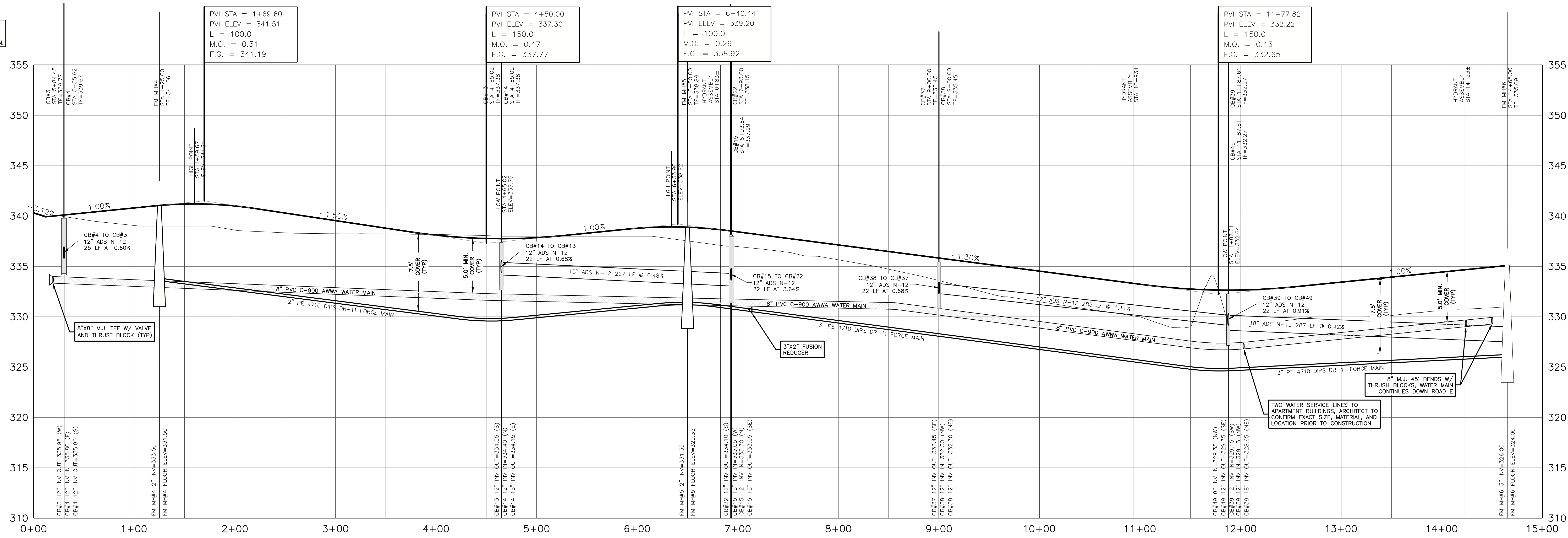
STORM STRUCTURE DATA			
STRUCTURE NAME	STATION	PIPE INVERT IN	PIPE INVERT OUT
CB#67	12+40.00	332.57 24'-321.75 (FROM CB#66) 12'-328.75 (FROM CB#68)	24'-323.75 (TO FES#2) 12'-329.75 (TO CB#70)
CB#68	12+40.00	332.57	12'-329.75 (TO CB#70)
CB#76	13+64.59	332.55	12'-330.75 (TO CB#77)
CB#77	N/A	328.78 12'-325.85 (FROM CB#76)	18'-325.60 (TO CB#79)
CB#79	N/A	328.99 12'-325.15 (FROM CB#77) 8'-325.75 (FROM CB#78)	15'-325.15 (TO CB#85)
CB#82	N/A	333.02 8'-330.00 (FROM CB#83) 8'-330.00 (FROM CB#84)	15'-329.75 (TO CB#86)
CB#83	N/A	333.42 8'-330.00 (FROM CB#82) 8'-330.00 (FROM CB#84)	12'-330.40 (TO CB#82)
CB#87	N/A	333.13 15'-329.15 (FROM CB#82) 8'-330.00 (FROM CB#84)	15'-329.15 (TO CB#88)
CB#88	N/A	333.08 15'-328.60 (FROM CB#87)	18'-325.35 (TO DM#1)
CB#90	+18+94	332.70 18'-327.00 (FROM DM#1) 12'-329.50 (FROM CB#92)	24'-326.50 (TO DM#2)
CB#92	+1+90.30	332.77 24'-325.00 (FROM DM#2) 12'-325.50 (FROM CB#45)	12'-329.70 (TO CB#90)
CB#93	N/A	331.31 24'-325.00 (FROM DM#2) 12'-325.50 (FROM CB#45)	24'-325.00 (TO DM#2)
CB#94	N/A	329.05 24'-323.95 (FROM CB#93) 15'-323.95 (FROM CB#95)	30'-323.95 (TO FES#3)
CB#95	N/A	329.11 15'-324.65 (FROM CB#93) 8'-325.00 (FROM CB#94)	15'-324.65 (TO CB#94)
CB#103	+17+46.40	332.87 12'-328.87 (FROM CB#104)	12'-328.87 (TO CB#106)
CB#104	+22+20.00	333.65 12'-328.87 (FROM CB#103)	12'-329.35 (TO CB#103)
CB#105	+23+80.00	333.86 12'-328.85 (FROM CB#104)	12'-328.85 (TO CB#106)
CB#106	+21+15.00	333.33 12'-328.50 (FROM CB#105) 12'-328.50 (FROM CB#103)	12'-328.50 (TO DM#2)
DM#1	+3+00.00	334.56 18'-327.45 (FROM CB#90) 12'-327.45 (FROM CB#93)	18'-327.45 (TO CB#90)
DM#2	+20+25.5	332.65 18'-326.25 (FROM CB#58) 24'-326.00 (FROM CB#93)	24'-326.00 (TO CB#93)

STORMWATER END SECTOIN DATA	
STRUCTURE NAME	FES INV ELEVATION
FES#2	327.45
FES#3	323.75

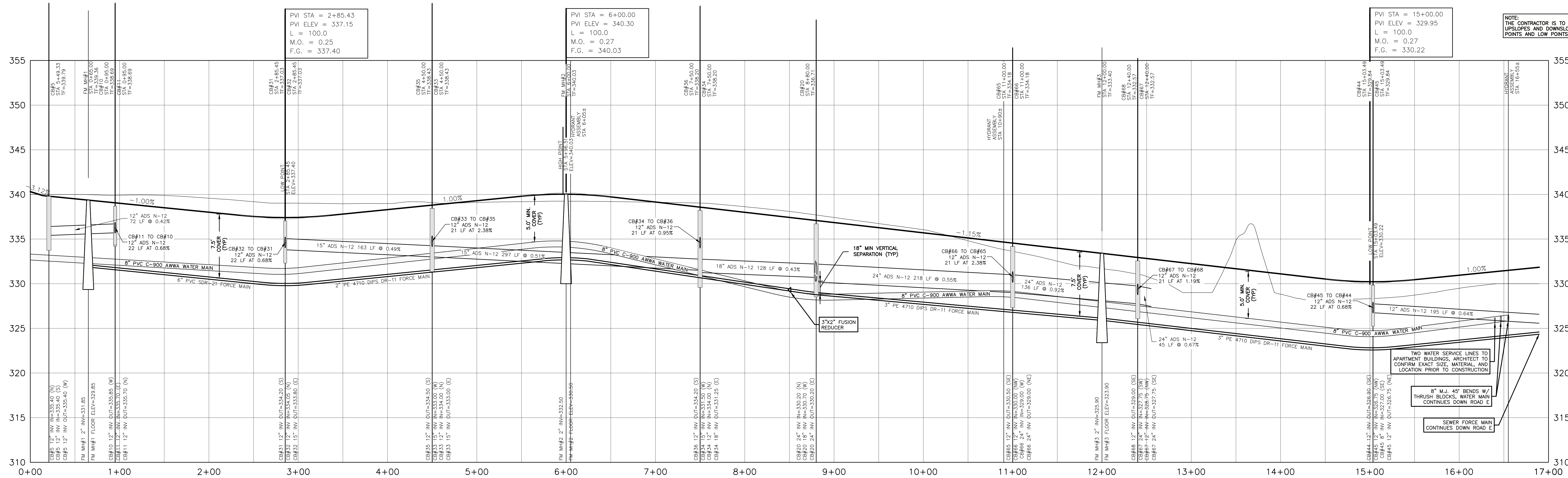




NOTE:
THE CONTRACTOR IS TO MAINTAIN CONTINUOUS
UPSLOPES AND DOWNSLOPES BETWEEN HIGH
POINTS AND LOW POINTS DURING CONSTRUCTION.

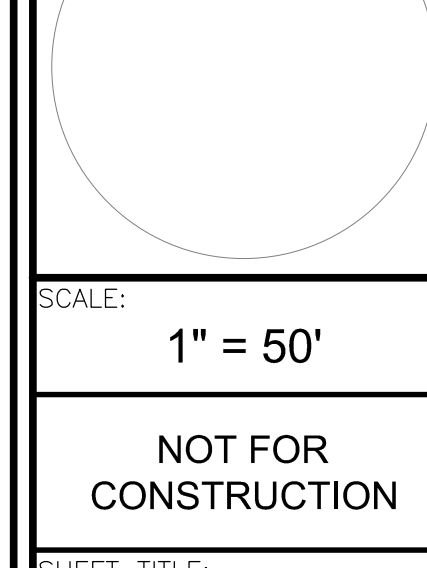
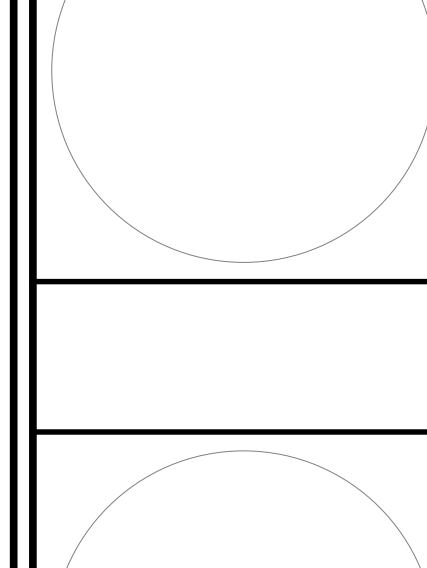
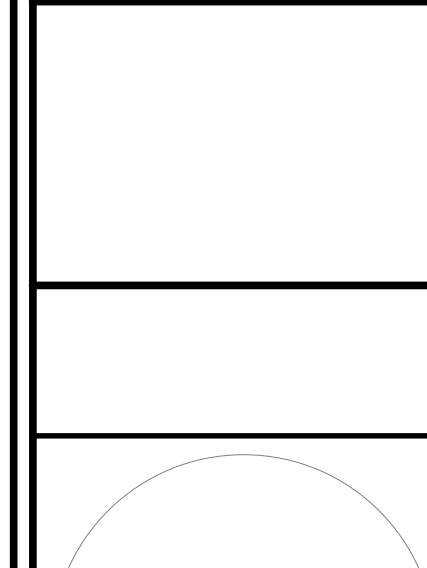


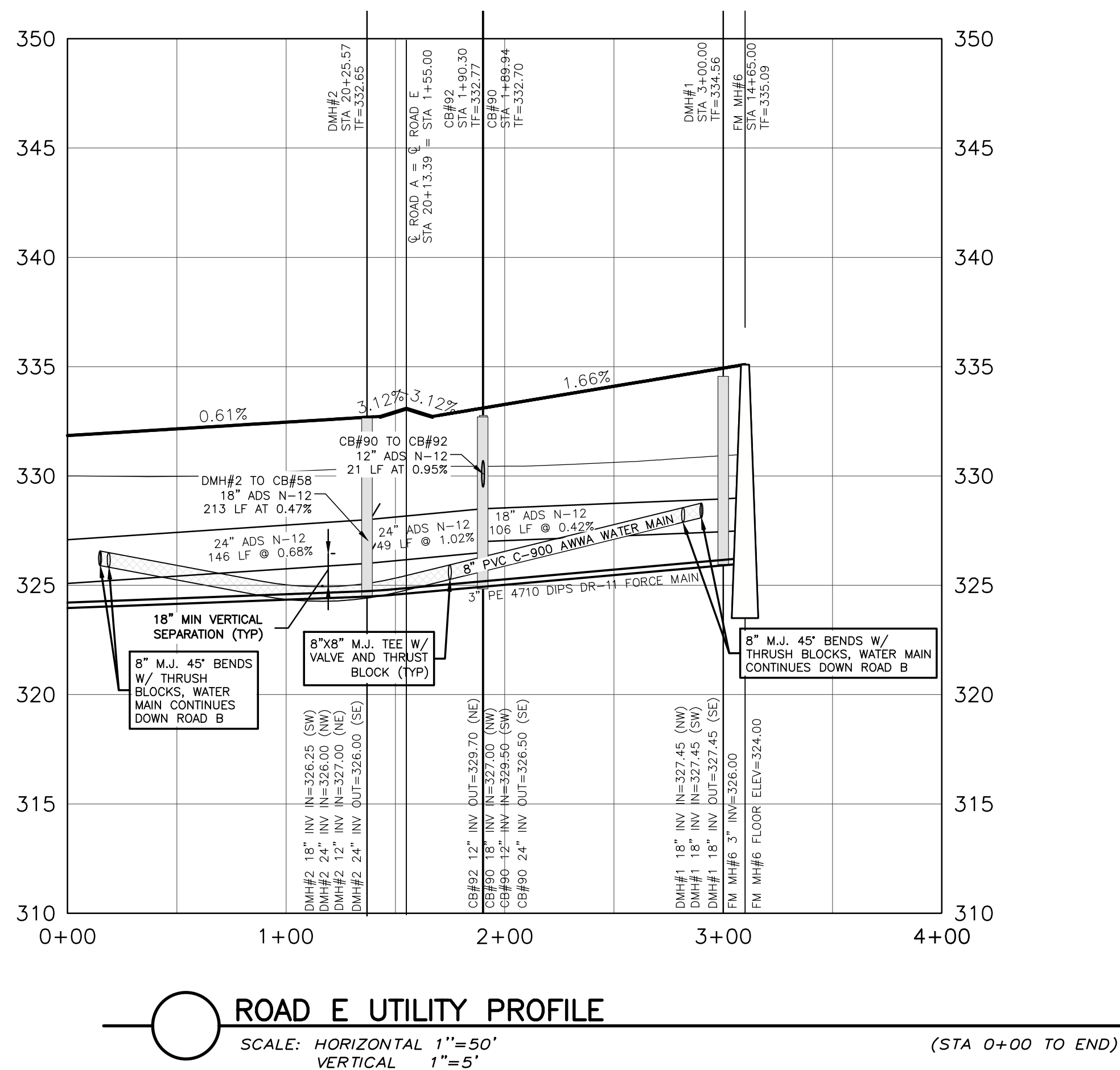
ROAD B UTILITY PROFILE
SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=5'

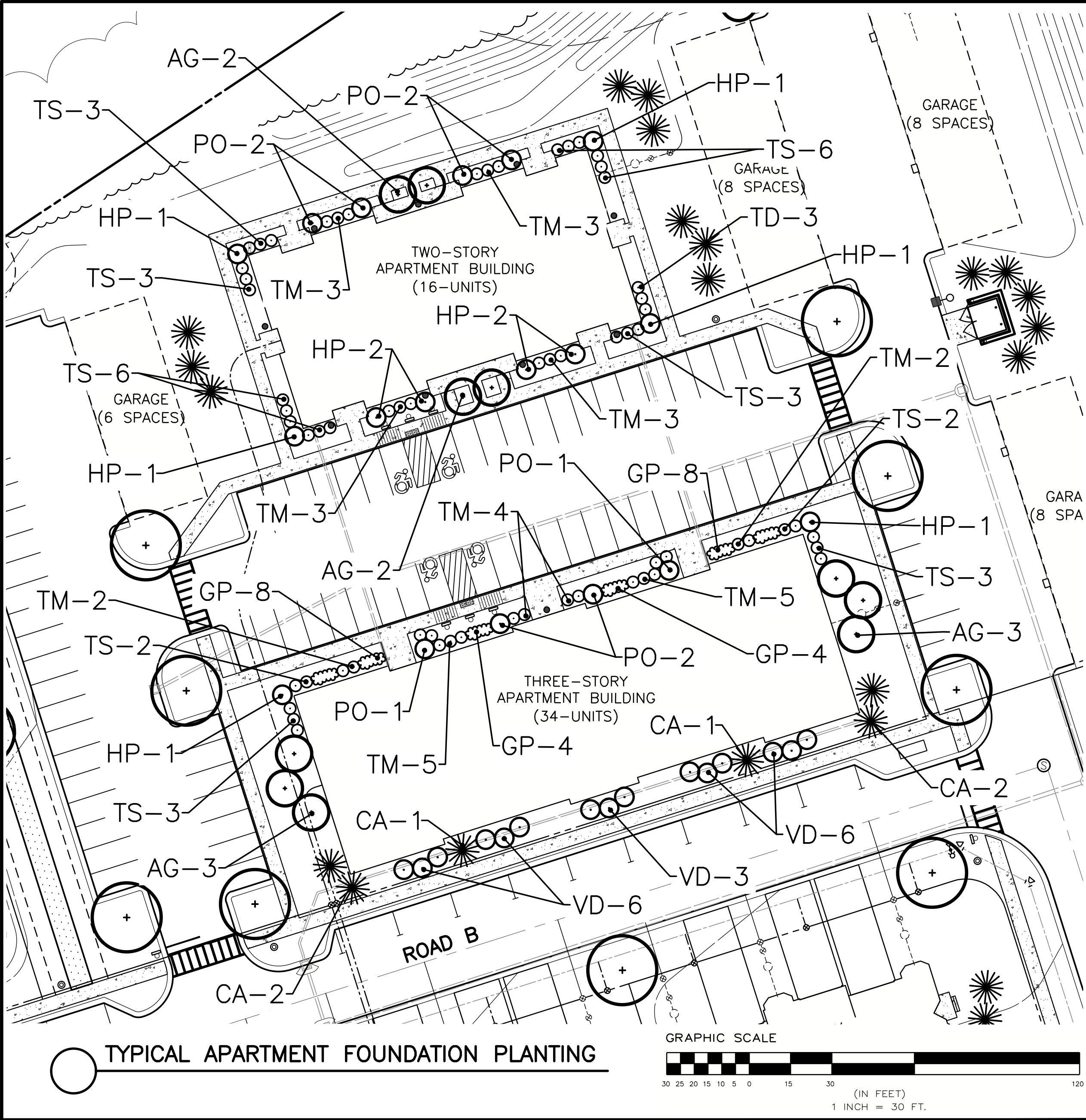


ROAD C UTILITY PROFILE
SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=5'

DRAWN BY:	JAC
CHECKED BY:	JAC
DATE:	02/11/2025
PROJECT NUMBER:	1264
REVISION:	
DATE:	
BY:	







PLANTING NOTES:

1. PLANTING CONTRACTOR SHALL VERIFY FINAL SELECTION OF PLANT MATERIALS WITH THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. ALL AREAS OF SITE WHICH ARE NOT LANDSCAPED, PAVED, SHALL BE TOPSOILED, SEEDING, AND MULCHED (MULCH - STRAW, HYDROSEED MIX, OR BIODEGRADABLE NETTING.) MIXTURES TO BE APPLIED SHALL BE DETERMINED BY OWNER'S LANDSCAPE ARCHITECT. TOPSOIL TO BE 4" MINIMUM.
3. EXISTING VEGETATION SHALL REMAIN UNDISTURBED WITHIN ALL AREAS OF SITE WHICH DO NOT REQUIRE GRADING.
4. ALL PLANTING BEDS TO RECEIVE 3" MINIMUM BARK MULCH WITH FILTER FABRIC WEED CONTROL OR EQUAL.
5. THIS PLAN IS FOR PLANTING PURPOSES ONLY. REFER TO SITE PLAN FOR DETAILED GRADING AND UTILITY INFORMATION.
6. GUARANTEE: FOR A PERIOD OF TWELVE MONTHS FROM THE DATE THAT THE WORK UNDER CONTRACT IS CERTIFIED AS COMPLETE, THE CONTRACTOR SHALL:

1. GUARANTEE ALL PLANTS AND SEEDS AREAS UNDER THIS CONTRACT.
 2. REMOVE AND REPLACE DURING THIS GUARANTEE PERIOD, PLANTS WHICH DIE OR ARE IN A BADLY IMPAIRED CONDITION.
 3. REPLANT WITH STOCK OF SAME SIZE AND QUALITY AS ORIGINALLY SPECIFIED.
 4. GUY AND MAINTAIN AS SPECIFIED HEREIN, AT NO ADDITIONAL COST.
- B. REPLACEMENTS MADE WITHIN SIX MONTHS AFTER BEGINNING OF THE "GUARANTEE PERIOD" SHALL NOT EXTEND THE "GUARANTEE PERIOD" OF THESE PARTICULAR PLANTS. THOSE REPLACEMENTS MADE SIX MONTHS OR MORE AFTER THE BEGINNING OF THE "GUARANTEE PERIOD" SHALL BE MAINTAINED AND GUARANTEED FOR A PERIOD OF SIX MONTHS FROM THE TIME OF REPLACEMENT.

PLANTING NOTE:

PLANTS LISTED IN THE PLANTING SCHEDULE CAN BE SUBSTITUTED FOR SIMILAR SPECIES OF THE SAME SIZE WITH THE APPROVAL OF THE OWNER/DEVELOPER AND/OR PROJECT LANDSCAPE ARCHITECT.

PLANTING BED PREPARATION NOTE:

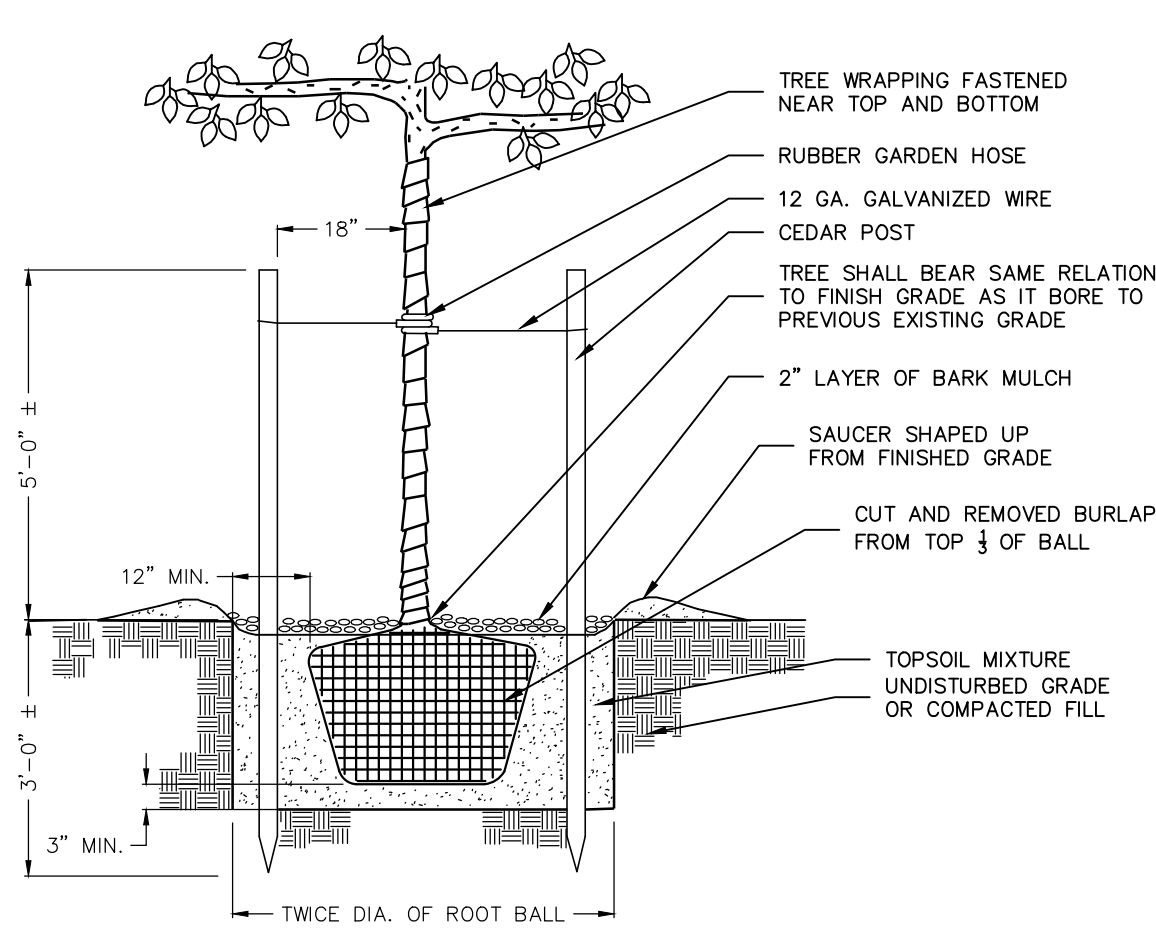
ALL PAVEMENT, AND GRAVEL BASE SHALL BE REMOVED FROM PROPOSED PLANTING BEDS AREAS. COMPACTED SUB-BASE MATERIALS SHALL BE DECOMPACTED FOR A DEPTH OF 12" PLANTING BEDS SHALL BE FREE OF ROOTS TILLED TO A DEPTH 12". INCORPORATE 2" OF COMPOST INTO SOIL AND TOP DRESS WITH 3" OF HARDWOOD MULCH.

TOPSOIL NOTE:

ALL LAWN AREAS OF THE SITE SHALL RECEIVE A MINIMUM OF 4" OF TOPSOIL. ALL LANDSCAPE BEDS SHALL RECEIVE A MINIMUM OF 12" OF TOPSOIL. TOP SOIL SHALL HAVE: 2% ORGANIC MATTER PH OF 6-7.8% MAXIMUM PARTICLE SIZE 1.5"

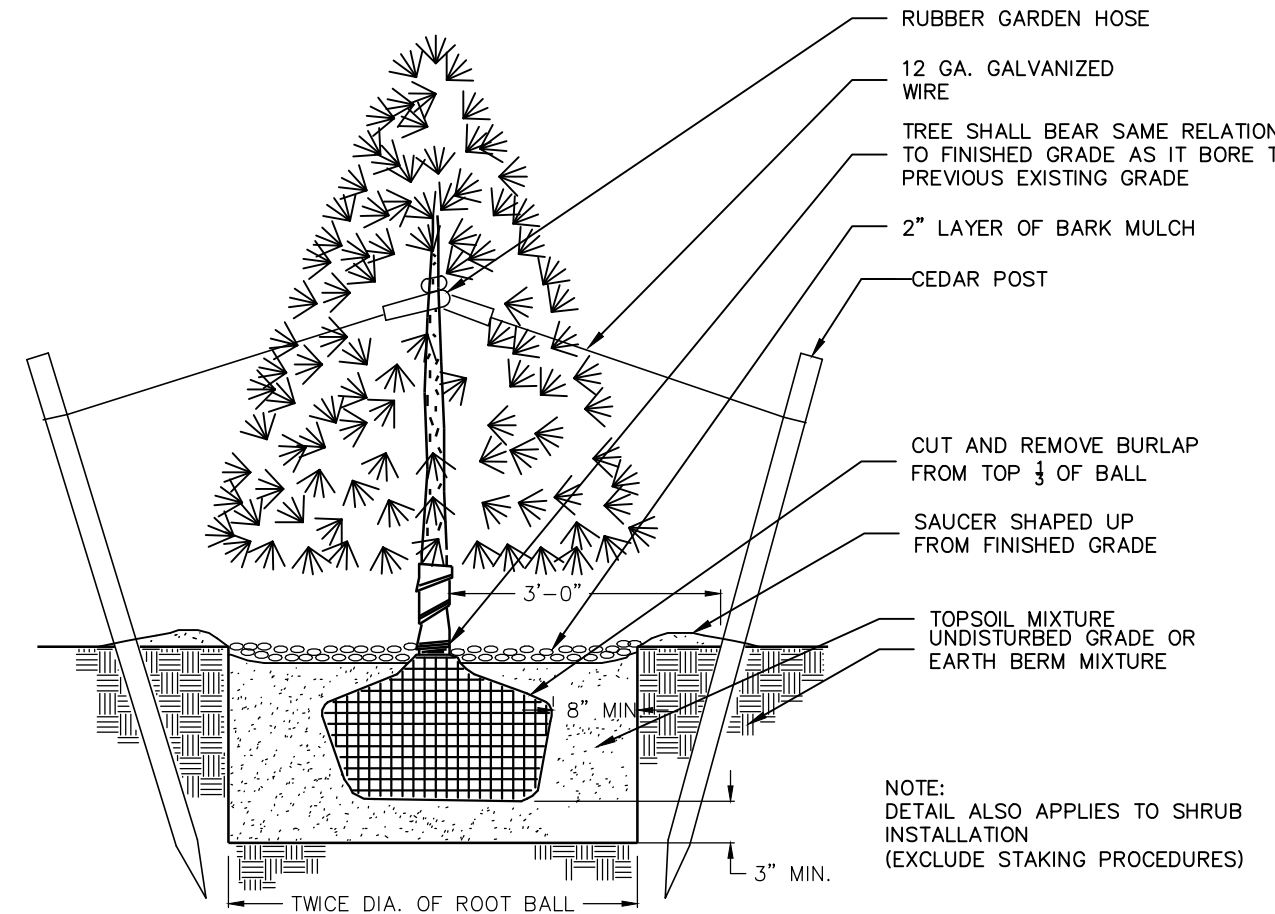
LAWN SEED MIX:

SEED LAWN AREAS WITH GRASS SEED CONTAINING A MINIMUM 20% KENTUCKY BLUE GRASS, 20% RESCUE AND A MAXIMUM OF 20% ANNUAL RYE GRASS. SEED SHALL BE APPLIED AT A RATE OF 7-10 LBS PER 1,000 SF.



DECIDUOUS TREE

NOT TO SCALE



CONIFEROUS TREE

NOT TO SCALE

PLANTING SCHEDULE

KEY	COMMON	BOTANICAL	SIZE	NO.	REMARKS
AG	ROBIN HILL SERVICEBERRY	AMELANCHIER GRANDIFLORA	2.5"-3.0" CAL.	33	B&B
AR	ARMSTRONG RED MAPLE	ACER RUBRUM 'ARMSTRONG'	2.5"-3.0" CAL.	35	B&B
AS	SUGAR MAPLE	ACER SACCHARUM	2.5"-3.0" CAL.	26	B&B
CA	WEeping BLUE ATLAS CEDAR	CEDRUS ATLANTICA GLAUCA PENDULA	6'-7' HT.	36	B&B
CB	PYRAMIDAL EUROPEAN HORNBARK	CARPINUS BETULUS 'ASTIGATA'	2.5"-3.0" CAL.	26	B&B
GP	ORNAMENTAL GRASS OR PERENNIAL	VARIOUS SPECIES	12"-18" HT.	48	CG
HP	QUICK FIRE HYDRANGEA	HYDRANGEA PANICULATA 'QUICK FIRE'	#7 CONTAINER	20	CG
PA	NORWAY SPRUCE	PICEA ABIES	5'-6' HT.	31	B&B
PB	BLOODGOOD LONDON PLANE	PLATANUS ACERIFOLIA BLOODGOOD	2.5"-3.0" CAL.	36	B&B
PO	COMMON WINEBARK	PHYSCOCARPUS OPULIFOLIUS	36"-42" HT.	16	CG
PS	EASTERN WHITE PINE	PINUS STROBUS	5'-6' HT.	26	B&B
TC	GREENSPARE LINDEN	TILIA CORDATA	2.5"-3.0" CAL.	28	B&B
TM	SPREADING YEW	TAXUS X MEDIA 'DENSIFORMIS'	18"-24" HT.	52	B&B
TS	GLOBE ARBORVITAE	THUJA OCCIDENTALIS	18"-24" HT.	68	CG
VD	ARROWWOOD VIBURNUM	VIBURNUM DENTATUM	4'-5' HT.	30	CG

PLANTING NOTE:

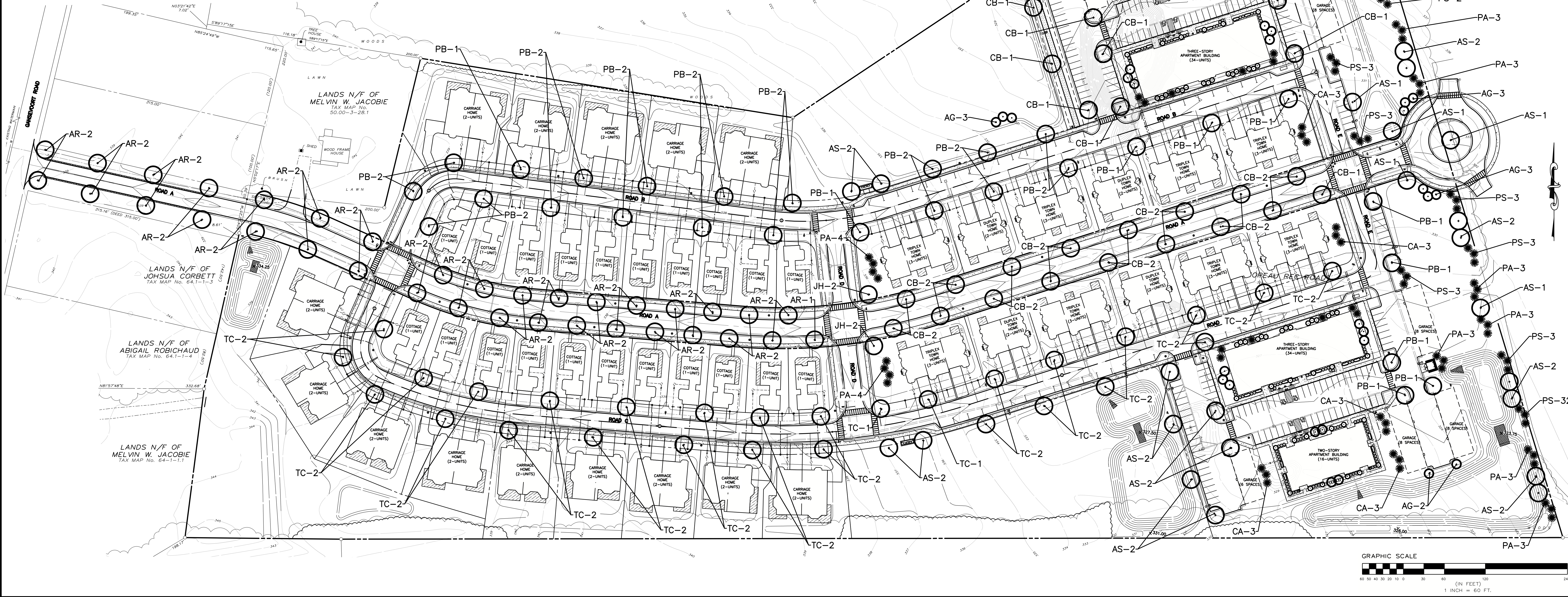
PLANTS LISTED IN THE PLANTING SCHEDULE CAN BE SUBSTITUTED FOR SIMILAR SPECIES OF THE SAME SIZE WITH THE APPROVAL OF THE OWNER/DEVELOPER AND/OR PROJECT LANDSCAPE ARCHITECT.

SHOULD A SUBSTITUTION BE OFFERED, THE DESIGN PROFESSIONAL SHALL BE NOTIFIED TO CONFIRM THAT THE SUBSTITUTED SPECIES ARE NOT REGULATED OR PROHIBITED SPECIES AS DETERMINED BY THE NYDEC PART 575 INVASIVE SPECIES REGULATIONS.

SOIL RESTORATION:

AS PER CHAPTER 5 OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL, SOIL RESTORATION IS REQUIRED ON THIS SITE IN ALL NON-IMPERVIOUS AREAS ONCE FINAL SUBGRADE ELEVATION IS ACHIEVED. IN AREAS OF CUT OR FILL THE SOILS SHALL BE AERATED AND 6 INCHES OF TOPSOIL SHALL BE APPLIED. IN AREAS OF HEAVY CONSTRUCTION TRAFFIC (ESPECIALLY IN AREAS 5 TO 25 FEET FROM BUILDING, BUT NOT WITHIN 5 FEET OF FOUNDATION WALLS) THE FOLLOWING RESTORATION MUST BE APPLIED:

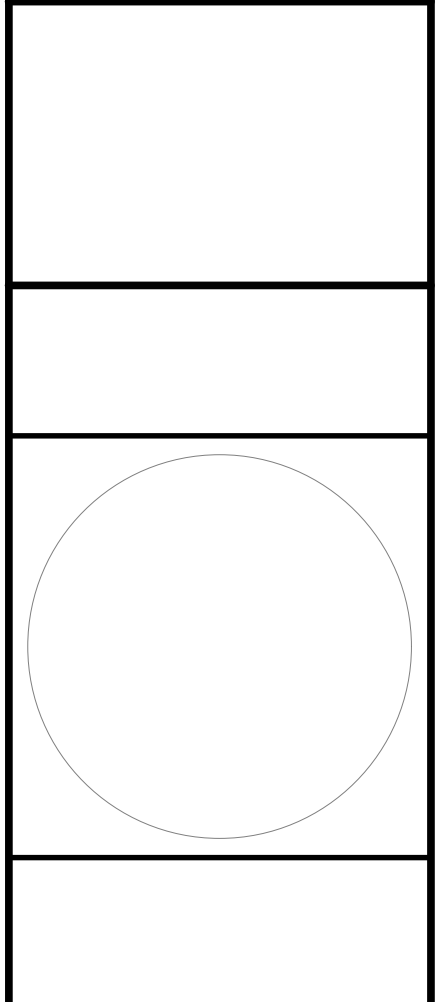
1. APPLY 3 INCHES OF COMPOST OVER SUBSOIL.
2. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MINING, AND CIRCULATING AIR AND COMPOST INTO SOIL.
3. ROCK-PICK UNTIL UNLIFTED STONE/ROCK MATERIALS OF 4 INCHES AND LARGER SIZE ARE CLEARED OFF THE SITE.
4. APPLY TOPSOIL TO A DEPTH OF 6 INCHES.
5. VEGETATE AS REQUIRED BY APPROVED PLAN.



PROPOSED RESIDENTIAL COMMUNITY FOR
JACOBIE'S PARKSIDE FARM
CERRONE BUILDERS

11-29 MOREAU REC ROAD
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

DRAWN BY	JAC	
CHECKED BY	JCD	
EDP PROJECT NUMBER	12646	
THE ALTERATION OF THESE DOCUMENTS IN ANY WAY, UNLESS DONE UNDER THE DIRECT SUPERVISION OF A COMPARABLE PROFESSIONAL (P.E.) ENGINEER FOR AN ENGINEER, LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT OR SURVEYOR FOR A SURVEYOR IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISFEASANCE.		
REVISION	DATE	BY
10N PRELIMINARY SUBMISSION	03/31/2020	JAC



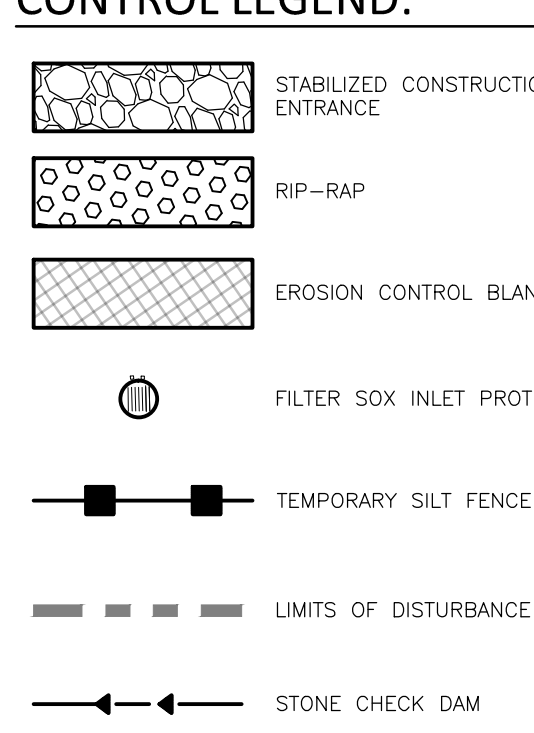
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NOT FOR CONSTRUCTION

SHEET TITLE: PLANTING PLAN

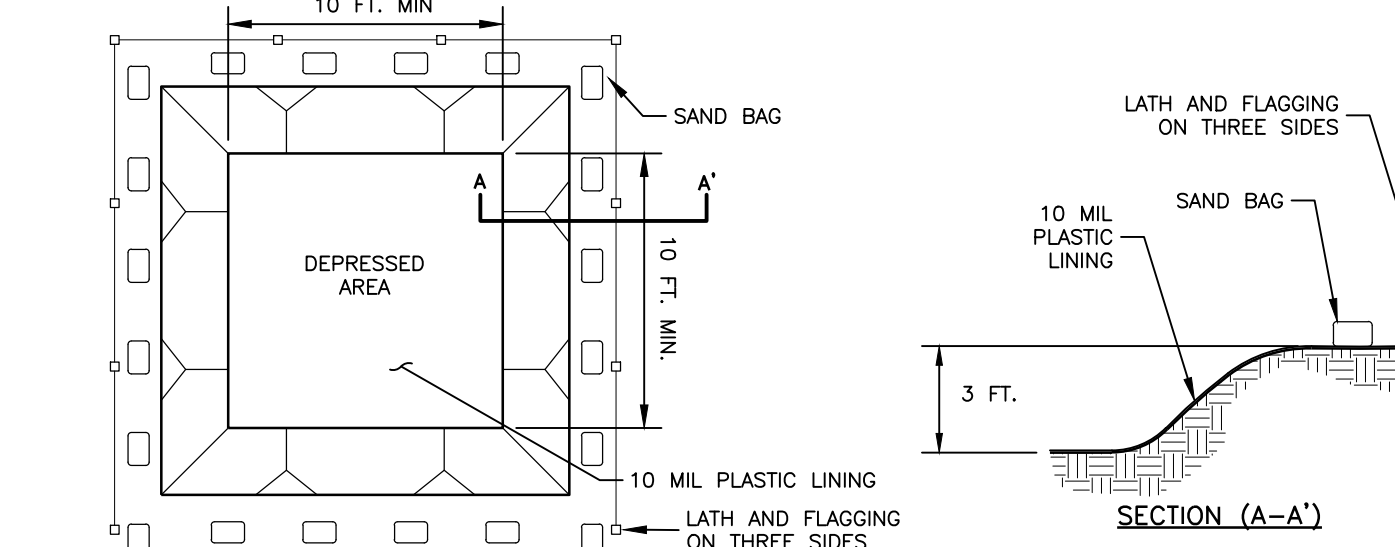
SHEET: 15 of 21

EROSION AND SEDIMENT CONTROL LEGEND:



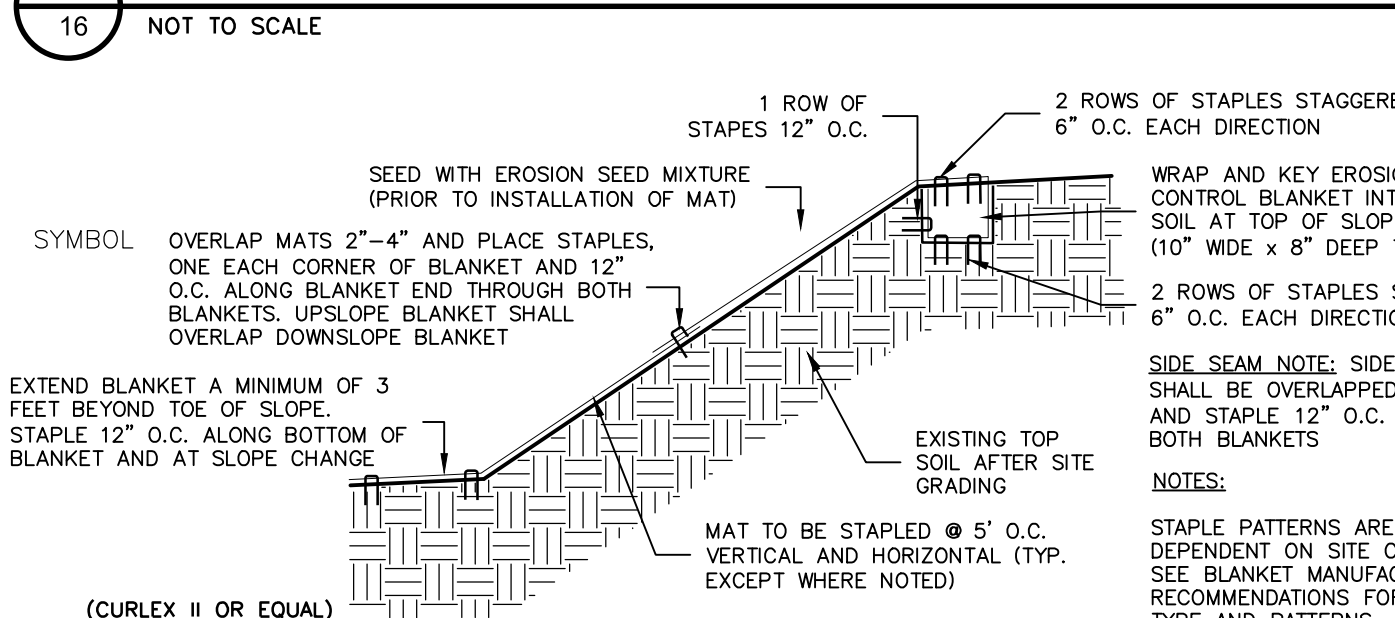
SOIL RESTORATION:

- AS PER CHAPTER 5 OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL, SOIL RESTORATION IS REQUIRED ON THIS SITE IN ALL NON-IMPERVIOUS AREAS ONCE FINAL SUBGRADE ELEVATION IS RECOVERED. IN AREAS OF CUT OR FILL, THE SOILS SHALL BE ADDED AND 6 INCHES OF TOPSOIL SHALL BE APPLIED. IN AREAS OF HEAVY CONSTRUCTION TRAFFIC (ESPECIALLY IN AREAS 5 TO 25 FEET FROM BUILDING, BUT NOT WITHIN 5 FEET OF FOUNDATION WALLS) THE FOLLOWING RESTORATION MUST BE APPLIED:
1. APPLY 3 INCHES OF COMPOST OVER SUBSOIL.
 2. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES (USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SOIL).
 3. ROCK-POCK UNTIL UNLIFTED STONE/ROCK MATERIALS OF 4 INCHES AND LARGER SIZE ARE CLEARED OFF THE SITE.
 4. APPLY TOPSOIL TO A DEPTH OF 6 INCHES
 5. VEGETATE AS REQUIRED BY APPROVED PLAN.



- CONSTRUCTION SPECIFICATIONS**
1. CONCRETE WASHOUT FACILITY SHALL BE LOCATED A MINIMUM OF FIFTY FEET (50') FROM SENSITIVE AREAS.
 2. THE BASIN DIMENSIONS DEPICTED ABOVE ARE REQUIRED MINIMUMS. CONCRETE WASHOUT FACILITY SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS (APPROXIMATELY 60 GALLONS OF WASTE AND WATER PER TRUCK).
 3. PLASTIC LINING MATERIAL SHALL BE A MINIMUM 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
 4. WASHOUT FACILITY MUST BE CLEARED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
- MAINTENANCE AND CLEANING**
1. DO NOT DISCHARGE LIQUID OR SLURRY TO WATERWAYS, STORM DRAINS OR DIRECTLY ONTO GROUND.
 2. DO NOT USE SANITARY SEWER WITHOUT LOCAL APPROVAL.
 3. PLACE A SECURE, NON COLLAPSING, NON-WATER COLLECTING COVER OVER THE FACILITY PRIOR TO PREDICTED WET WEATHER TO PREVENT ACCUMULATION AND OVERFLOW.
 4. REMOVE AND DISPOSE OF HARDEN CONCRETE AND RETURN THE STRUCTURE TO A FUNCTIONAL STATE.
 5. INSPECT THE WASHOUT FACILITY FOR SIGNS OF WEAKENING OR DAMAGE AND REPAIR AS NECESSARY/PRELINE THE STRUCTURE WITH NEW POLY SHEETING AFTER EACH PRELINE.

CONCRETE WASHOUT FACILITY



EROSION CONTROL BLANKET

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ADDITIONAL EROSION CONTROL AND GRADING NOTES:

1. MINIMAL EROSION CONTROL DEVICES ARE ILLUSTRATED ON SITE PLAN IN A SCHEMATIC MANNER BASED ON NY STATE GUIDELINES FOR EROSION AND SEDIMENT CONTROL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE NECESSARY MEASURES AND QUANTITY OF EROSION CONTROL DEVICES DEPENDING UPON FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THESE MEASURES AS REQUIRED TO PROTECT THE SITE.
2. SLOPES SHALL TYPICALLY BE GRADED AT A MAXIMUM OF 3:1 (3 HORIZ. 1 VERT.) WITHIN ALL CUT OR FILL AREAS, UNLESS OTHERWISE DESIGNATED ON PLANS.
3. SEED SHALL BE A COMMERCIALY AVAILABLE MIXTURE OF PERENNIAL RYE AND UTILITY GRASS. PERCENTAGE OF PERENNIAL RYE SHALL NOT EXCEED 50%.
4. SEEDING AREAS SHALL BE FULLY COVERED WITH A LEAN STRAW OR MULCH MATERIAL. F ORDERED BY THE ENGINEER OR MUNICIPALITY, A BIODEGRADABLE NETTING (E.G., EXCLOSUR BLANKET, CORI (GEOTEXTILE)) SHALL BE ANCHORED OVER SEEDING AREAS WHICH DEMONSTRATE "TULLING" OR OTHER EROSION PROCESSES.
5. TOPSOIL AND SEED SHALL BE REAPPLIED TO ANY AREAS WHICH FAIL TO ESTABLISH AS A RESULT OF INITIAL APPLICATION.
6. SILT FENCE BARRIERS SHALL BE PLACED WITHIN ALL AREAS OF EXPOSED SLOPES TO CONTROL SOIL EROSION DURING AND AFTER CONSTRUCTION.
7. EROSION CONTROL (ERO-MAT) OR APPROVED EQUAL, SHALL BE INSTALLED ON ALL 2:1 SLOPES AN ORGANIC FIBER PROTECTIVE MAT, HALF INCH LAYER OF SHIPPED STRAW, KNITTED INTO A RUGGED MAT WITH A THIN NETTING OF PHOTODEGRADABLE POLYPROPYLENE, SECURED MAT TO SLOPE WITH 6" STEEL U-SHAPED STAPLES, 2 STAPLES PER SQUARE YARD, OR AS PER MANUFACTURER'S INSTRUCTIONS.
8. STREAM REACHES ON-SITE AND DOWNSTREAM OF CONSTRUCTION SHALL NOT HAVE SUBSTANTIAL VISIBLE CONTRAST RELATIVE TO COLOR, PASTE, ODOOR, TURBIDITY AND SEDIMENT DEPOSITION FROM THE REACHES UPSTREAM OF THE CONSTRUCTION ACTIVITY.
9. VEHICULAR ACCESS POINTS SHALL BE MONITORED AND INSPECTED AT THE SAME FREQUENCY AS EROSION CONTROL FEATURES TO INSURE THAT DEPOSITS OF SAND, SILT OR OTHER MATERIAL, IS NOT BEING DEPOSITED ON PUBLIC ROADWAYS. IN THE EVENT ANY SIGNIFICANT DEPOSITS OCCUR THEY SHALL BE CLEANED UP IMMEDIATELY.
10. KEEP ALL CONSTRUCTION EQUIPMENT, TOPSOIL, STOCKPILES AND ANY TEMPORARY/PERMANENT GRAVEL AREAS OFF FUTURE SEPTIC AREAS.

SEQUENCE OF CONSTRUCTION ACTIVITIES:

1. CONSTRUCT TEMPORARY CONSTRUCTION EXITS AT LOCATIONS SHOWN.
2. INSTALL PERIMETER SILT FENCES AND TEMPORARY SEDIMENT BASIN IN THE LOCATIONS SHOWN AND OTHER LOCATIONS AS NECESSARY TO STABILIZE THE SITE.
3. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED WITHIN 14 DAYS AFTER CLEARING AND GRUBBING.
4. PREVENT WATERING OF THE EXCAVATION AND FILL AREAS SHALL BE DONE TO MINIMIZE WIND EROSION.
5. COMMENCE EROSION GRADING AND CONSTRUCTION.
6. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
7. INSTALL PROTECTIVE SILT FENCES / BARRIERS AT THE LOCATIONS OF ALL GRADE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
8. FINALIZE PAVEMENT SUBGRADE PREPARATIONS.
9. CONSTRUCT ALL CURB AND GUTTER, GUTTER INLETS, AREA INLETS, AND STORM SEWER MANHOLES AS SHOWN ON THE PLANS. INLET PROTECTION BARRIERS MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. PLACE REQUIRED RIPRAP AT LOCATIONS SHOWN ON THE PLANS.
10. REMOVE DROP INLET PROTECTION AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
11. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.
12. CARRY OUT FINAL GRADING AND SEEDING AND PLANTING.
13. REMOVE SILT FENCING ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.
14. REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION IN THESE AREAS (THESE AREAS ARE TO BE PAVED LAST).



- CONSTRUCTION SPECIFICATIONS**
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
 2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOP OF THE UPSTREAM DAM.
 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LOWER AS APPROPRIATE.
 5. ENSURE THAT CHANNEL APERTURES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
 6. MAXIMUM DRAINAGE AREA 2 ACRES.

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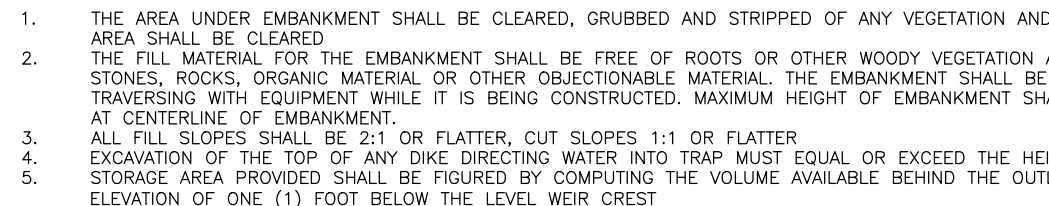
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- CONSTRUCTION SPECIFICATIONS**
1. THE AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
 2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED. MAXIMUM HEIGHT OF EMBANKMENT SHALL BE 5 FEET, MEASURED AT CENTERLINE OF EMBANKMENT.
 3. ALL FILL SLOPES SHALL BE 2:1 OR FLATTER. CUT SLOPES 1:1 OR FLATTER.
 4. ELEVATION OF THE TOP OF ANY ONE DRAINAGE WATER INTO TRAP MUST EQUAL OR EXCEED THE HEIGHT OF THE EMBANKMENT STORAGE AREA PROVIDED SHALL BE FIGURED BY COMPUTING THE VOLUME AVAILABLE BEHIND THE OUTLET CHANNEL UP TO AN ELEVATION OF ONE (1) FOOT BELOW THE LEVEL OF WEIR CREST.
 5. FILTER CLOTH SHALL BE PLACED OVER THE BOTTOM AND SIDES OF THE OUTLET CHANNEL PRIOR TO IT TO PLACEMENT IN STONE. SECTIONS OF FABRIC MUST OVERLAP AT LEAST 1 FOOT WITH SECTION NEAREST THE ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST 6 INCHES INTO EXISTING GROUND AT ENTRANCE OUTLET CHANNEL.
 6. STONE USED ON THE OUTLET CHANNEL SHALL BE A 12-18 INCH RIP-RAP, TO PROVIDE A FILTERING EFFECT. A LAYER OF FILTER CLOTH SHALL BE REMOVED 1-FOOT FROM THE ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST 6 INCHES INTO EXISTING GROUND AT ENTRANCE OUTLET CHANNEL.
 7. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 3 THE DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER IT WILL NOT CAUSE EROSION.
 8. THE STRUCTURE SHALL BE REPAIRED AFTER EACH RAIN AND AS NEEDED.
 9. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER EROSION AND WATER POLLUTION ARE MINIMIZED.
 10. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
 11. DRAINAGE FOR THIS AREA IS LIMITED TO 10 ACRES OR LESS.

STONE OUTLET SEDIMENT TRAP

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GENERAL NOTES:

THE ENVIRONMENTAL DESIGN PARTNERSHIP IS NOT RESPONSIBLE FOR ANY CONSTRUCTION WORK PERFORMED PRIOR TO FINAL APPROVAL OF ALL PLANS AND SECURING OF ALL PERMITS AND FILING OF ALL MAPS.

CONTRACTOR TO ARRANGE A PRECONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL DESIGN PARTNERSHIP AND MUNICIPALITY PRIOR TO CONSTRUCTION.

FIELD ADJUSTMENTS MUST BE APPROVED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP AND THE MUNICIPALITY'S ENGINEER PRIOR TO CONSTRUCTION.

CONTRACTOR IS TO VERIFY THAT ALL NECESSARY WORK PERMITS AND EASEMENTS ARE IN PLACE PRIOR TO COMMENCEMENT OF WORK.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AND TAKE ALL SPECIAL TEMPORARY AND PERMANENT PRECAUTIONS NECESSARY TO ENSURE A STABLE AND SECURE JOB.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY TOWN, COUNTY OR STATE HIGHWAY CUT PERMITS.

THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND EASEMENTS PRIOR TO CONSTRUCTION AND BECOME FAMILIAR WITH THE CONDITIONS OF EACH PERMIT.

THE CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT, ROADWAYS, AND DRIVEWAYS.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND RIGHT-OF-WAY PROPERTY LINES PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES SUCH AS GAS, POWER, TELEPHONE, CABLE TV, WATER, SEWER, ETC. PRIOR TO COMMENCEMENT OF CONSTRUCTION.

AS PER NYS INDUSTRIAL CODE 53: CONTRACTOR TO CALL DIG SAFELY NEW YORK, INC. AT 1-800-882-7862 TO LOCATE BURIED CABLES OR OTHER UNDERGROUND UTILITIES NO LESS THAN TWO OR MORE THAN TEN WORKING DAYS PRIOR TO DIGGING, DRILLING, EXCAVATING, DRIVING PILES, ETC.

CONTRACTOR MUST VERIFY THE ACCEPTABILITY OF ALL CONSTRUCTION MATERIALS WITH MUNICIPALITY'S ENGINEER PRIOR TO ORDERING.

INSTALLATION AND MATERIAL SPECIFICATIONS FOR STORM SEWER, SANITARY SEWER, WATER SERVICE CONNECTIONS SHALL CONFORM TO THE MUNICIPALITY'S STANDARD DETAILS AND REQUIREMENTS. INSTALLATION PROCEDURES AND MATERIALS MUST BE VERIFIED WITH MUNICIPALITY PRIOR TO CONSTRUCTION.

ANY EXISTING STORM SEWERS AND UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE DEPARTMENT INFORMATION ONLY. THE CONTRACTOR SHALL HAVE THEIR EXACT LOCATION CHECKED AT THE SITE BEFORE CONSTRUCTION BEGINS.

CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING PIPE INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES WHICH RESULT MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, GRADES, PIPE INVERTS AND ELEVATIONS AND REVIEW WITH CONSULTANT BEFORE CONSTRUCTION.

ALL EXCAVATION TO MEET OSHA AND NYS DOT SAFETY REGULATIONS AND STANDARDS.

THE CONTRACTOR SHALL FILL IN, AND RE-EXCAVATE, AS NECESSARY TO RESUME WORK, ANY EXCAVATIONS OR TRENCHES AT LOCATIONS AND AS OFTEN AS MAY BE REQUIRED TO ENSURE PROTECTION OF THE WORK, ANY ADJACENT EXISTING FACILITIES, OR THE PUBLIC.

THE CONTRACTOR SHALL CLEAN UP THE JOB SITE DAILY BEFORE LEAVING THE JOB SITE. ALL RUBBISH MUST BE CLEANED UP AND CONSTRUCTION EQUIPMENT MUST BE PROPERLY TAKEN CARE OF AND STORED AT THE END OF THE DAY.

CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND SAFETY DURING CONSTRUCTION.

THE CONTRACTOR SHALL FURNISH ALL FLAGMEN AND SIGNS, DELINEATORS, BARRIERS, AND DEVICES NECESSARY FOR TRAFFIC CONTROL DURING ANY EARTH-MOVING OPERATION OR OTHER CONSTRUCTION ACTIVITY WHICH INVOLVES PUBLIC HIGHWAYS.

ALL TRAFFIC SIGNS, CONTROL DEVICES AND INFORMATIONAL ITEMS, IF DISTURBED DURING CONSTRUCTION WITHIN CONTRACT LIMIT LINES, SHALL BE RELOCATED AS PER APPROVAL OF MUNICIPALITY.

RESTORATION OF PAVEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPLACE AND RESTORE PAVEMENT WITH MATERIAL TO A CONDITION EQUAL TO OR BETTER THAN PREEXISTING CONSTRUCTION. ALL PAVEMENT AND RIGHT-OF-WAY RESTORATION WORK TO BE DONE TO THE SATISFACTION OF THE STATE, COUNTY OR LOCAL MUNICIPAL HIGHWAY DEPARTMENT.

CONTRACTOR SHALL RESTORE ALL LAKES, DRIVEWAYS, WALKS, WALLS, CURBS, FENCES, ETC. TO A CONDITION AT LEAST AS GOOD AS THEY WERE BEFORE BEING DISTURBED.

BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM. SHRUBS AND HEDGES THAT MUST BE REMOVED DURING CONSTRUCTION SHALL BE REAPED OR REPLANTED IN AS GOOD A CONDITION AS THEY WERE BEFORE THEIR REMOVAL. ANY DAMAGED ITEMS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

POSTS, MALBOCKS, ETC. SHALL BE PROTECTED, OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. DAMAGED ITEMS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

IT MAY BE NECESSARY TO TO OR HOLD BACK UTILITY POLES DURING CONSTRUCTION. THIS SHOULD BE ACCOMPLISHED IN COOPERATION WITH UTILITY COMPANIES.

NO WORK, STORAGE OR RESSPAH SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENTS OR R.O.W. AS SHOWN.

CONTRACTOR TO COMPLY WITH ALL OSHA AND OTHER STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION (PROPER SHORING, ETC.).

SIDE SLOPES GREATER THAN 1:3 WILL REQUIRE GUIDE RAILS (1-FOOT VERTICAL, 3-FOOT HORIZONTAL).

ALL SITE WORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS. WHERE ACCESS OR WORK OUTSIDE OF PROPERTY BOUNDARY IS NECESSARY, THE PERMISSION OF ADJOINING PROPERTY OWNER MUST FIRST BE OBTAINED.

THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND RIGHT-OF-WAY PROPERTY LINES PRIOR TO CONSTRUCTION.

WHERE APPROPRIATE, SITE LAYOUT AND GRADING WORK SHALL BE COMPLETED BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR. LANDSCAPE ARCHITECT SHALL APPROVE ALL LAYOUT WORK PRIOR TO CONSTRUCTION.

CONTRACTOR TO NOTIFY ENGINEER AFTER ROUGH GRADING IS COMPLETED. FINISH GRADES TO BE ADJUSTED IN THE FIELD AFTER INITIAL GRADING IS COMPLETED. ALL CHANGES IN PROPOSED GRADES TO BE APPROVED BY OWNER AND ENGINEER.

ALL AREAS OF THE SITE WHICH ARE DISTURBED AND NOT PAVED SHALL BE TOPSOILED AND SEEDDED.

ALL PHYSICAL FEATURES INCLUDING SIDEWALKS, CURBING, DECKS, LAMPS, STAIRS, ETC. WITHIN FIVE FEET OF EXISTING BUILDING WALLS AND CANOPY OVERHANGS ARE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS. IF THE INTENT OF THESE DOCUMENTS TO ADDRESS SUCH DETAILS, WHICH ARE SHOWN ONLY FOR THE PURPOSE OF CONTINUITY BETWEEN THE SITE PLAN AND THE ARCHITECTURAL PLANS.

PROVISIONS FOR STORMWATER COLLECTION AND DRAINAGE PERTAINING TO THE ROOF AND TO PHYSICAL FEATURES WITHIN FIVE FEET OF THE EXISTING BUILDING WALLS AND CANOPY OVERHANGS ARE THE RESPONSIBILITY OF THE ARCHITECT.

ALL VERTICAL GRADE CHANGES GREATER THAN 30 INCHES SHALL BE ASSUME WITH SAFETY BARRIERS AS PER NYS BUILDING CODE (FENCES, RAILINGS, ETC. PER OWNER).

PRELIMINARY PAVEMENT AND SIDEWALK DESIGN SPECIFICATIONS ASSUME EXISTING SUBGRADE CONSISTS OF CLEAN, GRANULAR MATERIAL (SAND & GRAVEL) AND THAT THERE IS NO WATER TABLE INTERFERENCE PRIOR TO CONSTRUCTION. THE HIGHEST OWNER SHALL HAVE THE EXISTING SUBGRADE CONDITIONS EVALUATED BY A GEOTECHNICAL ENGINEER, WHO SHALL DETERMINE FINAL PAVEMENT AND SIDEWALK DESIGN SPECIFICATIONS. THE OWNER ASSUMES ALL RESPONSIBILITY FOR PAVEMENTS AND SIDEWALKS CONSTRUCTED WITHOUT A FINAL DESIGN. THE CONTRACTOR SHOULD NOT TO HIRE A GEOTECHNICAL ENGINEER.

ROADWAYS AND UNDERGROUND UTILITY FILL AREAS SHALL BE CONTROLLED FILLS PREPARED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS 253, EXCAVATION AND EMBANKMENT.

FILL AREAS SHALL BE STRIPPED OF SOO, TOPSOIL AND UNSUITABLE MATERIAL AND BE MECHANICALLY COMPACTED TO THE SATISFACTION OF THE ENGINEER IN ACCORDANCE WITH NYSDOT 203-3.03.A.

FILLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NYSDOT 253-3.03.B, EMBANKMENTS. COMPACTION AND LIFT THICKNESS SHALL BE IN ACCORDANCE WITH NYSDOT 253-3.03.C. UNDERWATER AREAS SHALL BE FILLED WITH SELECT GRANULAR FILL.

CONTROLLED FILL SHALL BE WITH SELECT GRANULAR MATERIAL WITH GRADATION: 100% PASSING #40 SIEVE, 0-70% PASSING #100 AND 0-12% PASSING #200 AND 0-1% PASSING #400 SIEVE. 733-11. FILLS SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" LOOSE THICKNESS AND SHALL BE MECHANICALLY COMPACTED TO 95% MINIMUM OF THE MAXIMUM ASTM SPECIFICATION D1557 DENSITY (MODIFIED PROCTOR). ALL CONTROLLED FILL SHALL BE FREE OF ORGANIC, CLODS AND/OR FROZEN MATERIALS.

EMBANKMENT SUBGRADE AREA (TWO FEET BELOW SUBGRADE ELEVATION) SHALL BE CONSTRUCTED IN ACCORDANCE WITH NYSDOT 253-2.02.B, SELECT BORROW AND SELECT FILL, COMPACTED PER 203-3.03.C.

ALL AREAS OF THE SUBGRADE SURFACE WITHIN THE ROADWAY OR OTHER PAVEMENT AREA LIMITS SHALL BE PROOF-ROLLED, WITH UNSTABLE AREAS CORRECTED TO THE SATISFACTION OF THE ENGINEER. PRIOR TO PLACEMENT OF SUBGRADE MATERIALS, BOTH EMBANKMENT AND CUT AREAS, IN ACCORDANCE WITH NYSDOT 203-3.03.D & 203-3.02.C.

FILL SPECIFICATIONS ARE CONSIDERED MINIMAL AND ARE SUBJECT TO CHANGE UPON DISCOVERY OF UNFAVORABLE SITE SOIL CONDITIONS AND/OR BY A GEOTECHNICAL ENGINEER RETAINED BY THE DEVELOPER.

SPECIFICATIONS FOR STREET LIGHTING ARE PER TOWN REQUIREMENTS.

ALL GRAVITY SANITARY SEWER PIPE AND FITTINGS SHALL BE PVC SDR-26 HEAVY WALL SEWER PER ASTM D3034, 115 PSI MINIMUM PIPE STIFFNESS FOR BURIAL DEPTHS UP TO 20 FEET.

PRIOR TO COMMENCEMENT OF STORM AND/OR SANITARY SEWER CONSTRUCTION, CONTRACTOR IS TO VERIFY BOTH HORIZONTAL AND VERTICAL POSITION OF EXISTING SEWER AT THE CONNECTION POINT. CONTRACTOR IS TO CONSTRUCT GRAVITY LINES PROGRESSIVELY FROM DOWNSTREAM TO UPSTREAM. ANY EXCEPTIONS TO THIS MUST BE APPROVED BY THE ENGINEER. ANY GRADE DISCREPANCIES MUST BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.

WATER AND SEWER SEPARATION REQUIREMENTS: MINIMUM 18 INCHES VERTICAL SEPARATION IS REQUIRED BETWEEN WATER MAINS AND ANY EXISTING OR PROPOSED SANITARY AND STORM SEWER AT ALL CROSSINGS, MEASURED OUTSIDE TO OUTSIDE OF PIPES, WITH JOINTS EQUIDISTANT FROM CROSSING POINT, PER NY STATE HEALTH DEPARTMENT REQUIREMENTS. PARALLEL LINES MUST BE SEPARATED A MIN. OF 10 FEET.

WHERE MINIMUM SEPARATIONS CANNOT BE MET, WITH CASE-BY-CASE-APPROVAL FROM NYS DOH:

- NEW SEWERS SHALL BE CONSTRUCTED OF MIN. PR 150 PSI AWWA WATER GRADE MATERIALS AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS.
- LESS THAN 10 FT. SEPARATION ONLY IF WATER MAIN IS LAID IN A SEPARATION TRENCH OR ON AN EARTH SHELVE LOCATED ON ONE SIDE OF THE SEWER AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18" ABOVE THE TOP OF THE GRAVITY SEWER.
- WHERE FORCE AND GRAVITY SEWERS PRE-EXIST, THE WATER MAIN SHALL BE INSTALLED WITHIN A PROTECTIVE CASING PIPE, CONSTRUCTED OF MIN. PR 150 PSI AWWA WATER GRADE MATERIALS, AND EXTEND TO 12" MIN. ON BOTH SIDES OF THE SEWER BEING CROSSED OR, WHERE PARALLEL, TO A POINT WHERE THE LINES ARE SEPARATED BY 10 FT.
- WHERE A WATER MAIN AND/OR WATER WELLS PRE-EXIST AND A FORCE MAIN IS BEING CONSTRUCTED, THE FORCE MAIN SHALL BE INSTALLED WITHIN A PROTECTIVE CASING PIPE, CONSTRUCTED OF MIN. PR 150 PSI AWWA WATER GRADE MATERIALS, AND EXTEND TO 12" MIN. ON BOTH SIDES OF THE WATER MAIN BEING CROSSED, WHERE PARALLEL, TO A POINT WHERE THE LINES ARE SEPARATED BY 10 FT.; OR TO A POINT WHERE THE ENDS OF THE CASING PIPE ARE 150 FT. MIN. FROM ANY WATER WELL.

CONTRACTOR TO VERIFY THE ELEVATION OF THE EXISTING WATER MAIN, TO AVOID CONFLICTS, PRIOR TO CONSTRUCTING OTHER UTILITIES.

ALL NEW WATER MAIN WORKS ARE TO BE HYDROSTATICALLY TESTED AT 150 PSID (MIN. AS MEASURED AT THE LOWEST POINT) IN ACCORDANCE WITH AWWA STANDARDS: C600-17 FOR DUCTILE IRON PIPE, MANUAL M25 FOR PVC, AND MANUAL M55 FOR PE. RESULTS TO BE SUBMITTED TO MUNICIPAL ENGINEER. MODIFICATIONS TO EXISTING WORKS SHALL BE VISUALLY TESTED FOR LEAKS UNDER NORMAL WORKING PRESSURE PRIOR TO BACKFILL.

ALL WATER MAIN WORKS SHALL BE DISINFECTED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C801-14 (SEE DISINFECTION PROCEDURE ON WATER DETAIL SHEET). RESULTS TO BE SUBMITTED TO THE MUNICIPAL ENGINEER.

POTABLE WATER MAIN PIPE TO BE:

- BLUE-COLORED PVC DR-18 AWWA C-900

POTABLE WATER SERVICE TUBING TO BE:

- TYPE K COPPER

ALL PLASTIC WATER MAIN AND WATER SERVICE TUBING SHALL BE BURIED WITH TRACER WIRE SECURED TO THE PIPE WITH GORILLA TAPE. BLUE-COLORED #10 BY KRIS-TECH WIRE CO. MAIN BRANCHES AND SERVICE CONNECTIONS SHALL BE MADE WITHOUT CUTTING THE MAIN WIRE, USING 3-WAY DIRECT-BURY LUGS WITH SILICONE GEL ENCAPSULATORS. SPICES AT ROAD ENDS SHALL BE MECHANICALLY AND ELECTRICALLY FASTENED BY TYPING WIRE IN A KNOT AND CONNECTING EXPOSED CONDUCTORS IN SILICONE GEL TYPED ENCAPSULATORS. DIRECT-BURY TRACER WIRE CONNECTIONS SUCH AS EPPOXON CONNECTORS BY COPPERHEAD INDUSTRIES, LLC, TRACER WIRE SHALL BE BROUGHT UP 12" MIN. ABOVE GRADE ON THE OUTSIDE OF ALL HYDRANTS, GATE & CURB BOXES.

ALL WATER PIPE SHALL HAVE 8-INCH WIDE, BLUE-COLORED PLASTIC WATER UTILITY LID. MARKING TAPE BURIED ON TOP OF THE COMPACTED INITIAL PIPE BACKFILL, 12" MIN. ABOVE THE PIPE.

THRUST BLOCKING TO COMPLY WITH THE MUNICIPAL STANDARDS. THRUST BLOCKS TO BE CAST-IN-PLACE CONCRETE MIN. 3,000 PSI (SEE DETAIL).

ALL STORM SEWER PIPE TO BE DUAL WALL HIGH-DENSITY POLYETHYLENE WITH SMOOTH INTERIOR AND ANNULAR CORRUGATED EXTERIOR. PIPE JOINTS ARE TO BE SEAL-TIGHT WITH EITHER INTEGRAL BELL & SPIGOT JOINTS WITH RUBBER GASKETS MEETING ASTM F477, BUT-TON PREMIUM BAND COUPLERS WITH RUBBER GASKETS OR STANDARD BAND COUPLERS WRAPPED WITH NON-WOVEN GEOTEXTILE FABRIC 4-FEET WIDE AND OVERLAPPED AT EACH END. WATERPROOF JOINTS ARE REQUIRED WHERE PE PIPE IS SPECIFIED FOR SMA BASIN INLET PIPE AND FITTINGS.

CATCH BASIN GRATES ARE TO BE BICYCLE SAFE.

THE INFORMATION REPRESENTED WITHIN THESE DOCUMENTS DOES NOT IMPLY ANY CONTRACT, OR OBLIGATION FOR, PERFORMING ANY OR ALL TOWN, COUNTY, OR STATE REQUIRED INSPECTIONS DURING THE COURSE OF CONSTRUCTION OR PURSUANT TO OBTAINING CERTIFICATE OF OCCUPANCY. SUCH INSPECTION SERVICES, IF PERFORMED BY THIS OFFICE, SHALL BE ESTABLISHED BY SEPARATE CONTRACT.

IN THE EVENT THAT THE CONSTRUCTION STAKEOUT AND INSPECTION OF THE WORK IS NOT PERFORMED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP (EDP), EDP WILL NOT BE HELD RESPONSIBLE FOR ANY ERRORS, OMISSIONS, COSTS, EXPENSES OR LIABILITY OF WHATEVER KIND AND NATURE, RESULTING FROM FIELD CHANGES AND/OR ERRORS WHICH EDP WOULD OTHERWISE HAVE HAD AN OPPORTUNITY TO CHECK AND CORRECT BEFORE THEY WERE IN A POSITION TO CONTROL THE PROJECT THROUGH STAKEOUT AND INSPECTION.

CLAIMS MADE AGAINST CONSULTANT FOR SURVEY STAKEOUT ERRORS WILL BE HONORED ONLY IF CONSULTANT IS NOTIFIED FOR VERIFICATION OF THE SAME IMMEDIATELY UPON DISCOVERY. BEFORE ANY CONTROL STAKES ARE DISTURBED. IF, AFTER VERIFICATION, IT IS DETERMINED THAT NO STAKEOUT ERROR OCCURRED, THE CLIENT SHALL REIMBURSE THE CONSULTANT FOR ADDITIONAL EXPENSES INCURRED FOR SUCH VERIFICATION.

ALL ERRORS, OMISSIONS AND DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENVIRONMENTAL DESIGN PARTNERSHIP IMMEDIATELY UPON DISCOVERY. OTHERWISE, THE ENVIRONMENTAL DESIGN PARTNERSHIP WILL ACCEPT NO RESPONSIBILITY FOR THE CONSTRUCTION OF THE PROJECT.

INSPECTION SERVICES BY THE ENVIRONMENTAL DESIGN PARTNERSHIP ARE NOT SUPERVISORY. ACCORDINGLY, THE ENVIRONMENTAL DESIGN PARTNERSHIP CAN NEITHER GUARANTEE THE PERFORMANCE OF THE CONSTRUCTION CONTRACTS BY CONTRACTORS NOR ASSUME RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO FURNISH AND PERFORM WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, GRADES, PIPE INVERTS AND ELEVATIONS AND REVIEW WITH CONSULTANT BEFORE CONSTRUCTION.

ALL EXCAVATION TO MEET OSHA AND NYS DOT SAFETY REGULATIONS AND STANDARDS.

THE CONTRACTOR SHALL FILL IN, AND RE-EXCAVATE, AS NECESSARY TO RESUME WORK, ANY EXCAVATIONS OR TRENCHES AT LOCATIONS AND AS OFTEN AS MAY BE REQUIRED TO ENSURE PROTECTION OF THE WORK, ANY ADJACENT EXISTING FACILITIES, OR THE PUBLIC.

THE CONTRACTOR SHALL CLEAN UP THE JOB SITE DAILY BEFORE LEAVING THE JOB SITE. ALL RUBBISH MUST BE CLEANED UP AND CONSTRUCTION EQUIPMENT MUST BE PROPERLY TAKEN CARE OF AND STORED AT THE END OF THE DAY.

CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND SAFETY DURING CONSTRUCTION.

THE CONTRACTOR SHALL FURNISH ALL FLAGMEN AND SIGNS, DELINEATORS, BARRIERS, AND DEVICES NECESSARY FOR TRAFFIC CONTROL DURING ANY EARTH-MOVING OPERATION OR OTHER CONSTRUCTION ACTIVITY WHICH INVOLVES PUBLIC HIGHWAYS.

ALL TRAFFIC SIGNS, CONTROL DEVICES AND INFORMATIONAL ITEMS, IF DISTURBED DURING CONSTRUCTION WITHIN CONTRACT LIMIT LINES, SHALL BE RELOCATED AS PER APPROVAL OF MUNICIPALITY.

RESTORATION OF PAVEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPLACE AND RESTORE PAVEMENT WITH MATERIAL TO A CONDITION EQUAL TO OR BETTER THAN PREEXISTING CONSTRUCTION. ALL PAVEMENT AND RIGHT-OF-WAY RESTORATION WORK TO BE DONE TO THE SATISFACTION OF THE STATE, COUNTY OR LOCAL MUNICIPAL HIGHWAY DEPARTMENT.

CONTRACTOR SHALL RESTORE ALL LAKES, DRIVEWAYS, WALKS, WALLS, CURBS, FENCES, ETC. TO A CONDITION AT LEAST AS GOOD AS THEY WERE BEFORE BEING DISTURBED.

BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM. SHRUBS AND HEDGES THAT MUST BE REMOVED DURING CONSTRUCTION SHALL BE REAPED OR REPLANTED IN AS GOOD A CONDITION AS THEY WERE BEFORE THEIR REMOVAL. ANY DAMAGED ITEMS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

POSTS, MALBOCKS, ETC. SHALL BE PROTECTED, OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. DAMAGED ITEMS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

IT MAY BE NECESSARY TO TO OR HOLD BACK UTILITY POLES DURING CONSTRUCTION. THIS SHOULD BE ACCOMPLISHED IN COOPERATION WITH UTILITY COMPANIES.

NO WORK, STORAGE OR RESSPAH SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENTS OR R.O.W. AS SHOWN.

CONTRACTOR TO COMPLY WITH ALL OSHA AND OTHER STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION (PROPER SHORING, ETC.).

SIDE SLOPES GREATER THAN 1:3 WILL REQUIRE GUIDE RAILS (1-FOOT VERTICAL, 3-FOOT HORIZONTAL).

ALL SITE WORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS. WHERE ACCESS OR WORK OUTSIDE OF PROPERTY BOUNDARY IS NECESSARY, THE PERMISSION OF ADJOINING PROPERTY OWNER MUST FIRST BE OBTAINED.

THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND RIGHT-OF-WAY PROPERTY LINES PRIOR TO CONSTRUCTION.

WHERE APPROPRIATE, SITE LAYOUT AND GRADING WORK SHALL BE COMPLETED BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR. LANDSCAPE ARCHITECT SHALL APPROVE ALL LAYOUT WORK PRIOR TO CONSTRUCTION.

CONTRACTOR TO NOTIFY ENGINEER AFTER ROUGH GRADING IS COMPLETED. FINISH GRADES TO BE ADJUSTED IN THE FIELD AFTER INITIAL GRADING IS COMPLETED. ALL CHANGES IN PROPOSED GRADES TO BE APPROVED BY OWNER AND ENGINEER.

ALL AREAS OF THE SITE WHICH ARE DISTURBED AND NOT PAVED SHALL BE TOPSOILED AND SEEDDED.

ALL PHYSICAL FEATURES INCLUDING SIDEWALKS, CURBING, DECKS, LAMPS, STAIRS, ETC. WITHIN FIVE FEET OF EXISTING BUILDING WALLS AND CANOPY OVERHANGS ARE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS. IF THE INTENT OF THESE DOCUMENTS TO ADDRESS SUCH DETAILS, WHICH ARE SHOWN ONLY FOR THE PURPOSE OF CONTINUITY BETWEEN THE SITE PLAN AND THE ARCHITECTURAL PLANS.

PROVISIONS FOR STORMWATER COLLECTION AND DRAINAGE PERTAINING TO THE ROOF AND TO PHYSICAL FEATURES WITHIN FIVE FEET OF THE EXISTING BUILDING WALLS AND CANOPY OVERHANGS ARE THE RESPONSIBILITY OF THE ARCHITECT.

ALL VERTICAL GRADE CHANGES GREATER THAN 30 INCHES SHALL BE ASSUME WITH SAFETY BARRIERS AS PER NYS BUILDING CODE (FENCES, RAILINGS, ETC. PER OWNER).

PRELIMINARY PAVEMENT AND SIDEWALK DESIGN SPECIFICATIONS ASSUME EXISTING SUBGRADE CONSISTS OF CLEAN, GRANULAR MATERIAL (SAND & GRAVEL) AND THAT THERE IS NO WATER TABLE INTERFERENCE PRIOR TO CONSTRUCTION. THE HIGHEST OWNER SHALL HAVE THE EXISTING SUBGRADE CONDITIONS EVALUATED BY A GEOTECHNICAL ENGINEER, WHO SHALL DETERMINE FINAL PAVEMENT AND SIDEWALK DESIGN SPECIFICATIONS. THE OWNER ASSUMES ALL RESPONSIBILITY FOR PAVEMENTS AND SIDEWALKS CONSTRUCTED WITHOUT A FINAL DESIGN. THE CONTRACTOR SHOULD NOT TO HIRE A GEOTECHNICAL ENGINEER.

ROADWAYS AND UNDERGROUND UTILITY FILL AREAS SHALL BE CONTROLLED FILLS PREPARED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS 253, EXCAVATION AND EMBANKMENT.

FILL AREAS SHALL BE STRIPPED OF SOO, TOPSOIL AND UNSUITABLE MATERIAL AND BE MECHANICALLY COMPACTED TO THE SATISFACTION OF THE ENGINEER IN ACCORDANCE WITH NYSDOT 203-3.03.A.

FILLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NYSDOT 253-3.03.B, EMBANKMENTS. COMPACTION AND LIFT THICKNESS SHALL BE IN ACCORDANCE WITH NYSDOT 253-3.03.C. UNDERWATER AREAS SHALL BE FILLED WITH SELECT GRANULAR FILL.

CONTROLLED FILL SHALL BE WITH SELECT GRANULAR MATERIAL WITH GRADATION: 100% PASSING #40 SIEVE, 0-70% PASSING #100 AND 0-12% PASSING #200 AND 0-1% PASSING #400 SIEVE. 733-11. FILLS SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" LOOSE THICKNESS AND SHALL BE MECHANICALLY COMPACTED TO 95% MINIMUM OF THE MAXIMUM ASTM SPECIFICATION D1557 DENSITY (MODIFIED PROCTOR). ALL CONTROLLED FILL SHALL BE FREE OF ORGANIC, CLODS AND/OR FROZEN MATERIALS.

EMBANKMENT SUBGRADE AREA (TWO FEET BELOW SUBGRADE ELEVATION) SHALL BE CONSTRUCTED IN ACCORDANCE WITH NYSDOT 253-2.02.B, SELECT BORROW AND SELECT FILL, COMPACTED PER 203-3.03.C.

ALL AREAS OF THE SUBGRADE SURFACE WITHIN THE ROADWAY OR OTHER PAVEMENT AREA LIMITS SHALL BE PROOF-ROLLED, WITH UNSTABLE AREAS CORRECTED TO THE SATISFACTION OF THE ENGINEER. PRIOR TO PLACEMENT OF SUBGRADE MATERIALS, BOTH EMBANKMENT AND CUT AREAS, IN ACCORDANCE WITH NYSDOT 203-3.03.D & 203-3.02.C.

FILL SPECIFICATIONS ARE CONSIDERED MINIMAL AND ARE SUBJECT TO CHANGE UPON DISCOVERY OF UNFAVORABLE SITE SOIL CONDITIONS AND/OR BY A GEOTECHNICAL ENGINEER RETAINED BY THE DEVELOPER.

SPECIFICATIONS FOR STREET LIGHTING ARE PER TOWN REQUIREMENTS.

ALL GRAVITY SANITARY SEWER PIPE AND FITTINGS SHALL BE PVC SDR-26 HEAVY WALL SEWER PER ASTM D3034, 115 PSI MINIMUM PIPE STIFFNESS FOR BURIAL DEPTHS UP TO 20 FEET.

PRIOR TO COMMENCEMENT OF STORM AND/OR SANITARY SEWER CONSTRUCTION, CONTRACTOR IS TO VERIFY BOTH HORIZONTAL AND VERTICAL POSITION OF EXISTING SEWER AT THE CONNECTION POINT. CONTRACTOR IS TO CONSTRUCT GRAVITY LINES PROGRESSIVELY FROM DOWNSTREAM TO UPSTREAM. ANY EXCEPTIONS TO THIS MUST BE APPROVED BY THE ENGINEER. ANY GRADE DISCREPANCIES MUST BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.

WATER AND SEWER SEPARATION REQUIREMENTS: MINIMUM 18 INCHES VERTICAL SEPARATION IS REQUIRED BETWEEN WATER MAINS AND ANY EXISTING OR PROPOSED SANITARY AND STORM SEWER AT ALL CROSSINGS, MEASURED OUTSIDE TO OUTSIDE OF PIPES, WITH JOINTS EQUIDISTANT FROM CROSSING POINT, PER NY STATE HEALTH DEPARTMENT REQUIREMENTS. PARALLEL LINES MUST BE SEPARATED A MIN. OF 10 FEET.

WHERE MINIMUM SEPARATIONS CANNOT BE MET, WITH CASE-BY-CASE-APPROVAL FROM NYS DOH:

- NEW SEWERS SHALL BE CONSTRUCTED OF MIN. PR 150 PSI AWWA WATER GRADE MATERIALS AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS.
- LESS THAN 10 FT. SEPARATION ONLY IF WATER MAIN IS LAID IN A SEPARATION TRENCH OR ON AN EARTH SHELVE LOCATED ON ONE SIDE OF THE SEWER AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18" ABOVE THE TOP OF THE GRAVITY SEWER.
- WHERE FORCE AND GRAVITY SEWERS PRE-EXIST, THE WATER MAIN SHALL BE INSTALLED WITHIN A PROTECTIVE CASING PIPE, CONSTRUCTED OF MIN. PR 150 PSI AWWA WATER GRADE MATERIALS, AND EXTEND TO 12" MIN. ON BOTH SIDES OF THE SEWER BEING CROSSED OR, WHERE PARALLEL, TO A POINT WHERE THE LINES ARE SEPARATED BY 10 FT.
- WHERE A WATER MAIN AND/OR WATER WELLS PRE-EXIST AND A FORCE MAIN IS BEING CONSTRUCTED, THE FORCE MAIN SHALL BE INSTALLED WITHIN A PROTECTIVE CASING PIPE, CONSTRUCTED OF MIN. PR 150 PSI AWWA WATER GRADE MATERIALS, AND EXTEND TO 12" MIN. ON BOTH SIDES OF THE WATER MAIN BEING CROSSED, WHERE PARALLEL, TO A POINT WHERE THE ENDS OF THE CASING PIPE ARE 150 FT. MIN. FROM ANY WATER WELL.

CONTRACTOR TO VERIFY THE ELEVATION OF THE EXISTING WATER MAIN, TO AVOID CONFLICTS, PRIOR TO CONSTRUCTING OTHER UTILITIES.

ALL NEW WATER MAIN WORKS ARE TO BE HYDROSTATICALLY TESTED AT 150 PSID (MIN. AS MEASURED AT THE LOWEST POINT) IN ACCORDANCE WITH AWWA STANDARDS: C600-17 FOR DUCTILE IRON PIPE, MANUAL M25 FOR PVC, AND MANUAL M55 FOR PE. RESULTS TO BE SUBMITTED TO MUNICIPAL ENGINEER. MODIFICATIONS TO EXISTING WORKS SHALL BE VISUALLY TESTED FOR LEAKS UNDER NORMAL WORKING PRESSURE PRIOR TO BACKFILL.

ALL WATER MAIN WORKS SHALL BE DISINFECTED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C801-14 (SEE DISINFECTION PROCEDURE ON WATER DETAIL SHEET). RESULTS TO BE SUBMITTED TO THE MUNICIPAL ENGINEER.

POTABLE WATER MAIN PIPE TO BE:

- BLUE-COLORED PVC DR-18 AWWA C-900

POTABLE WATER SERVICE TUBING TO BE:

- TYPE K COPPER

ALL PLASTIC WATER MAIN AND WATER SERVICE TUBING SHALL BE BURIED WITH TRACER WIRE SECURED TO THE PIPE WITH GORILLA TAPE. BLUE-COLORED #10 BY KRIS-TECH WIRE CO. MAIN BRANCHES AND SERVICE CONNECTIONS SHALL BE MADE WITHOUT CUTTING THE MAIN WIRE, USING 3-WAY DIRECT-BURY LUGS WITH SILICONE GEL ENCAPSULATORS. SPICES AT ROAD ENDS SHALL BE MECHANICALLY AND ELECTRICALLY FASTENED BY TYPING WIRE IN A KNOT AND CONNECTING EXPOSED CONDUCTORS IN SILICONE GEL TYPED ENCAPSULATORS. DIRECT-BURY TRACER WIRE CONNECTIONS SUCH AS EPPOXON CONNECTORS BY COPPERHEAD INDUSTRIES, LLC, TRACER WIRE SHALL BE BROUGHT UP 12" MIN. ABOVE GRADE ON THE OUTSIDE OF ALL HYDRANTS, GATE & CURB BOXES.

ALL WATER PIPE SHALL HAVE 8-INCH WIDE, BLUE-COLORED PLASTIC WATER UTILITY LID. MARKING TAPE BURIED ON TOP OF THE COMPACTED INITIAL PIPE BACKFILL, 12" MIN. ABOVE THE PIPE.

THRUST BLOCKING TO COMPLY WITH THE MUNICIPAL STANDARDS. THRUST BLOCKS TO BE CAST-IN-PLACE CONCRETE MIN. 3,000 PSI (SEE DETAIL).

ALL STORM SEWER PIPE TO BE DUAL WALL HIGH-DENSITY POLYETHYLENE WITH SMOOTH INTERIOR AND ANNULAR CORRUGATED EXTERIOR. PIPE JOINTS ARE TO BE SEAL-TIGHT WITH EITHER INTEGRAL BELL & SPIGOT JOINTS WITH RUBBER GASKETS MEETING ASTM F477, BUT-TON PREMIUM BAND COUPLERS WITH RUBBER GASKETS OR STANDARD BAND COUPLERS WRAPPED WITH NON-WOVEN GEOTEXTILE FABRIC 4-FEET WIDE AND OVERLAPPED AT EACH END. WATERPROOF JOINTS ARE REQUIRED WHERE PE PIPE IS SPECIFIED FOR SMA BASIN INLET PIPE AND FITTINGS.

CATCH BASIN GRATES ARE TO BE BICYCLE SAFE.

THE INFORMATION REPRESENTED WITHIN THESE DOCUMENTS DOES NOT IMPLY ANY CONTRACT, OR OBLIGATION FOR, PERFORMING ANY OR ALL TOWN, COUNTY, OR STATE REQUIRED INSPECTIONS DURING THE COURSE OF CONSTRUCTION OR PURSUANT TO OBTAINING CERTIFICATE OF OCCUPANCY. SUCH INSPECTION SERVICES, IF PERFORMED BY THIS OFFICE, SHALL BE ESTABLISHED BY SEPARATE CONTRACT.

IN THE EVENT THAT THE CONSTRUCTION STAKEOUT AND INSPECTION OF THE WORK IS NOT PERFORMED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP (EDP), EDP WILL NOT BE HELD RESPONSIBLE FOR ANY ERRORS, OMISSIONS, COSTS, EXPENSES OR LIABILITY OF WHATEVER KIND AND NATURE, RESULTING FROM FIELD CHANGES AND/OR ERRORS WHICH EDP WOULD OTHERWISE HAVE HAD AN OPPORTUNITY TO CHECK AND CORRECT BEFORE THEY WERE IN A POSITION TO CONTROL THE PROJECT THROUGH STAKEOUT AND INSPECTION.

CLAIMS MADE AGAINST CONSULTANT FOR SURVEY STAKEOUT ERRORS WILL BE HONORED ONLY IF CONSULTANT IS NOTIFIED FOR VERIFICATION OF THE SAME IMMEDIATELY UPON DISCOVERY. BEFORE ANY CONTROL STAKES ARE DISTURBED. IF, AFTER VERIFICATION, IT IS DETERMINED THAT NO STAKEOUT ERROR OCCURRED, THE CLIENT SHALL REIMBURSE THE CONSULTANT FOR ADDITIONAL EXPENSES INCURRED FOR SUCH VERIFICATION.

ALL ERRORS, OMISSIONS AND DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENVIRONMENTAL DESIGN PARTNERSHIP IMMEDIATELY UPON DISCOVERY. OTHERWISE, THE ENVIRONMENTAL DESIGN PARTNERSHIP WILL ACCEPT NO RESPONSIBILITY FOR THE CONSTRUCTION OF THE PROJECT.

INSPECTION SERVICES BY THE ENVIRONMENTAL DESIGN PARTNERSHIP ARE NOT SUPERVISORY. ACCORDINGLY, THE ENVIRONMENTAL DESIGN PARTNERSHIP CAN NEITHER GUARANTEE THE PERFORMANCE OF THE CONSTRUCTION CONTRACTS BY CONTRACTORS NOR ASSUME RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO FURNISH AND PERFORM WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, GRADES, PIPE INVERTS AND ELEVATIONS AND REVIEW WITH CONSULTANT BEFORE CONSTRUCTION.

ALL EXCAVATION TO MEET OSHA AND NYS DOT SAFETY REGULATIONS AND STANDARDS.

THE CONTRACTOR SHALL FILL IN, AND RE-EXCAVATE, AS NECESSARY TO RESUME WORK, ANY EXCAVATIONS OR TRENCHES AT LOCATIONS AND AS OFTEN AS MAY BE REQUIRED TO ENSURE PROTECTION OF THE WORK, ANY ADJACENT EXISTING FACILITIES, OR THE PUBLIC.

THE CONTRACTOR SHALL CLEAN UP THE JOB SITE DAILY BEFORE LEAVING THE JOB SITE. ALL RUBBISH MUST BE CLEANED UP AND CONSTRUCTION EQUIPMENT MUST BE PROPERLY TAKEN CARE OF AND STORED AT THE END OF THE DAY.

CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND SAFETY DURING CONSTRUCTION.

THE CONTRACTOR SHALL FURNISH ALL FLAGMEN AND SIGNS, DELINEATORS, BARRIERS, AND DEVICES NECESSARY FOR TRAFFIC CONTROL DURING ANY EARTH-MOVING OPERATION OR OTHER CONSTRUCTION ACTIVITY WHICH INVOLVES PUBLIC HIGHWAYS.

ALL TRAFFIC SIGNS, CONTROL DEVICES AND INFORMATIONAL ITEMS, IF DISTURBED DURING CONSTRUCTION WITHIN CONTRACT LIMIT LINES, SHALL BE RELOCATED AS PER APPROVAL OF MUNICIPALITY.

RESTORATION OF PAVEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPLACE AND RESTORE PAVEMENT WITH MATERIAL TO A CONDITION EQUAL TO OR BETTER THAN PREEXISTING CONSTRUCTION. ALL PAVEMENT AND RIGHT-OF-WAY RESTORATION WORK TO BE DONE TO THE SATISFACTION OF THE STATE, COUNTY OR LOCAL MUNICIPAL HIGHWAY DEPARTMENT.

CONTRACTOR SHALL RESTORE ALL LAKES, DRIVEWAYS, WALKS, WALLS, CURBS, FENCES, ETC. TO A CONDITION AT LEAST AS GOOD AS THEY WERE BEFORE BEING DISTURBED.

BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM. SHRUBS AND HEDGES THAT MUST BE REMOVED DURING CONSTRUCTION SHALL BE REAPED OR REPLANTED IN AS GOOD A CONDITION AS THEY WERE BEFORE THEIR REMOVAL. ANY DAMAGED ITEMS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

POSTS, MALBOCKS, ETC. SHALL BE PROTECTED, OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. DAMAGED ITEMS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

IT MAY BE NECESSARY TO TO OR HOLD BACK UTILITY POLES DURING CONSTRUCTION. THIS SHOULD BE ACCOMPLISHED IN COOPERATION WITH UTILITY COMPANIES.

NO WORK, STORAGE OR RESSPAH SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENTS OR R.O.W. AS SHOWN.

CONTRACTOR TO COMPLY WITH ALL OSHA AND OTHER STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION (PROPER SHORING, ETC.).

SIDE SLOPES GREATER THAN 1:3 WILL REQUIRE GUIDE RAILS (1-FOOT VERTICAL, 3-FOOT HORIZONTAL).

ALL SITE WORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS. WHERE ACCESS OR WORK OUTSIDE OF PROPERTY BOUNDARY IS NECESSARY, THE PERMISSION OF ADJOINING PROPERTY OWNER MUST FIRST BE OBTAINED.

THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND RIGHT-OF-WAY PROPERTY LINES PRIOR TO CONSTRUCTION.

WHERE APPROPRIATE, SITE LAYOUT AND GRADING WORK SHALL BE COMPLETED BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR. LANDSCAPE ARCHITECT SHALL APPROVE ALL LAYOUT WORK PRIOR TO CONSTRUCTION.

CONTRACTOR TO NOTIFY ENGINEER AFTER ROUGH GRADING IS COMPLETED. FINISH GRADES TO BE ADJUSTED IN THE FIELD AFTER INITIAL GRADING IS COMPLETED. ALL CHANGES IN PROPOSED GRADES TO BE APPROVED BY OWNER AND ENGINEER.

ALL AREAS OF THE SITE WHICH ARE DISTURBED AND NOT PAVED SHALL BE TOPSOILED AND SEEDDED.

ALL PHYSICAL FEATURES INCLUDING SIDEWALKS, CURBING, DECKS, LAMPS, STAIRS, ETC. WITHIN FIVE FEET OF EXISTING BUILDING WALLS AND CANOPY OVERHANGS ARE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS. IF THE INTENT OF THESE DOCUMENTS TO ADDRESS SUCH DETAILS, WHICH ARE SHOWN ONLY FOR THE PURPOSE OF CONTINUITY BETWEEN THE SITE PLAN AND THE ARCHITECTURAL PLANS.

PROVISIONS FOR STORMWATER COLLECTION AND DRAINAGE PERTAINING TO THE ROOF AND TO PHYSICAL FEATURES WITHIN FIVE FEET OF THE EXISTING BUILDING WALLS AND CANOPY OVERHANGS ARE THE RESPONSIBILITY OF THE ARCHITECT.

ALL VERTICAL GRADE CHANGES GREATER THAN 30 INCHES SHALL BE ASSUME WITH SAFETY BARRIERS AS PER NYS BUILDING CODE (FENCES, RAILINGS, ETC. PER OWNER).

PRELIMINARY PAVEMENT AND SIDEWALK DESIGN SPECIFICATIONS ASSUME EXISTING SUBGRADE CONSISTS OF CLEAN, GRANULAR MATERIAL (SAND & GRAVEL) AND THAT THERE IS NO WATER TABLE INTERFERENCE PRIOR TO CONSTRUCTION. THE HIGHEST OWNER SHALL HAVE THE EXISTING SUBGRADE CONDITIONS EVALUATED BY A GEOTECHNICAL ENGINEER, WHO SHALL DETERMINE FINAL PAVEMENT AND SIDEWALK DESIGN SPECIFICATIONS. THE OWNER ASSUMES ALL RESPONSIBILITY FOR PAVEMENTS AND SIDEWALKS CONSTRUCTED WITHOUT A FINAL DESIGN. THE CONTRACTOR SHOULD NOT TO HIRE A GEOTECHNICAL ENGINEER.

ROADWAYS AND UNDERGROUND UTILITY FILL AREAS SHALL BE CONTROLLED FILLS PREPARED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS 253, EXCAVATION AND EMBANKMENT.

FILL AREAS SHALL BE STRIPPED OF SOO, TOPSOIL AND UNSUITABLE MATERIAL AND BE MECHANICALLY COMPACTED TO THE SATISFACTION OF THE ENGINEER IN ACCORDANCE WITH NYSDOT 203-3.03.A.

FILLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NYSDOT 253-3.03.B, EMBANKMENTS. COMPACTION AND LIFT THICKNESS SHALL BE IN ACCORDANCE WITH NYSDOT 253-3.03.C. UNDERWATER AREAS SHALL BE FILLED WITH SELECT GRANULAR FILL.

CONTROLLED FILL SHALL BE WITH SELECT GRANULAR MATERIAL WITH GRADATION: 100% PASSING #40 SIEVE, 0-70% PASSING #100 AND 0-12% PASSING #200 AND 0-1% PASSING #400 SIEVE. 733-11. FILLS SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" LOOSE THICKNESS AND SHALL BE MECHANICALLY COMPACTED TO 95% MINIMUM OF THE MAXIMUM ASTM SPECIFICATION D1557 DENSITY (MODIFIED PROCTOR). ALL CONTROLLED FILL SHALL BE FREE OF ORGANIC, CLODS AND/OR FROZEN MATERIALS.

EMBANKMENT SUBGRADE AREA (TWO FEET BELOW SUBGRADE ELEVATION) SHALL BE CONSTRUCTED IN ACCORDANCE WITH NYSDOT 253-2.02.B, SELECT BORROW AND SELECT FILL, COMPACTED PER 203-3.03.C.

ALL AREAS OF THE SUBGRADE SURFACE WITHIN THE ROADWAY OR OTHER PAVEMENT AREA LIMITS SHALL BE PROOF-ROLLED, WITH UNSTABLE AREAS CORRECTED TO THE SATISFACTION OF THE ENGINEER. PRIOR TO PLACEMENT OF SUBGRADE MATERIALS, BOTH EMBANKMENT AND CUT AREAS, IN ACCORDANCE WITH NYSDOT 203-3.03.D & 203-3.02.C.

FILL SPECIFICATIONS ARE CONSIDERED MINIMAL AND ARE SUBJECT TO CHANGE UPON DISCOVERY OF UNFAVORABLE SITE SOIL CONDITIONS AND/OR BY A GEOTECHNICAL ENGINEER RETAINED BY THE DEVELOPER.

SPECIFICATIONS FOR STREET LIGHTING ARE PER TOWN REQUIREMENTS.

ALL GRAVITY SANITARY SEWER PIPE AND FITTINGS SHALL BE PVC SDR-26 HEAVY WALL SEWER PER ASTM D3034, 115 PSI MINIMUM PIPE STIFFNESS FOR BURIAL DEPTHS UP TO 20 FEET.

PRIOR TO COMMENCEMENT OF STORM AND/OR SANITARY SEWER CONSTRUCTION, CONTRACTOR IS TO VERIFY BOTH HORIZONTAL AND VERTICAL POSITION OF EXISTING SEWER AT THE CONNECTION POINT. CONTRACTOR IS TO CONSTRUCT GRAVITY LINES PROGRESSIVELY FROM DOWNSTREAM TO UPSTREAM. ANY EXCEPTIONS TO THIS MUST BE APPROVED BY THE ENGINEER. ANY GRADE DISCREPANCIES MUST BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.

WATER AND SEWER SEPARATION REQUIREMENTS: MINIMUM 18 INCHES VERTICAL SEPARATION IS REQUIRED BETWEEN WATER MAINS AND ANY EXISTING OR PROPOSED SANITARY AND STORM SEWER AT ALL CROSSINGS, MEASURED OUTSIDE TO OUTSIDE OF PIPES, WITH JOINTS EQUIDISTANT FROM CROSSING POINT, PER NY STATE HEALTH DEPARTMENT REQUIREMENTS. PARALLEL LINES MUST BE SEPARATED A MIN. OF 10 FEET.

WHERE MINIMUM SEPARATIONS CANNOT BE MET, WITH CASE-BY-CASE-APPROVAL FROM NYS DOH:

- NEW SEWERS SHALL BE CONSTRUCTED OF MIN. PR 150 PSI AWWA WATER GRADE MATERIALS AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS.
- LESS THAN 10 FT. SEPARATION ONLY IF WATER MAIN IS LAID IN A SEPARATION TRENCH OR ON AN EARTH SHELVE LOCATED ON ONE SIDE OF THE SEWER AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18" ABOVE THE TOP OF THE GRAVITY SEWER.
- WHERE FORCE AND GRAVITY SEWERS PRE-EXIST, THE WATER MAIN SHALL BE INSTALLED WITHIN A PROTECTIVE CASING PIPE, CONSTRUCTED OF MIN. PR 150 PSI AWWA WATER GRADE MATERIALS, AND EXTEND TO 12" MIN. ON BOTH SIDES OF THE SEWER BEING CROSSED OR, WHERE PARALLEL, TO A POINT WHERE THE LINES ARE SEPARATED BY 10 FT.
- WHERE A WATER MAIN AND/OR WATER WELLS PRE-EXIST AND A FORCE MAIN IS BEING CONSTRUCTED, THE FORCE MAIN SHALL BE INSTALLED WITHIN A PROTECTIVE CASING PIPE, CONSTRUCTED OF MIN. PR 150 PSI AWWA WATER GRADE MATERIALS, AND EXTEND TO 12" MIN. ON BOTH SIDES OF THE WATER MAIN BEING CROSSED, WHERE PARALLEL, TO A POINT WHERE THE ENDS OF THE CASING PIPE ARE 150 FT. MIN. FROM ANY WATER WELL.

CONTRACTOR TO VERIFY THE ELEVATION OF THE EXISTING WATER MAIN, TO AVOID CONFLICTS, PRIOR TO CONSTRUCTING OTHER UTILITIES.

ALL NEW WATER MAIN WORKS ARE TO BE HYDROSTATICALLY TESTED AT 150 PSID (MIN. AS MEASURED AT THE LOWEST POINT) IN ACCORDANCE WITH AWWA STANDARDS: C600-17 FOR DUCTILE IRON PIPE, MANUAL M25 FOR PVC, AND MANUAL M55 FOR PE. RESULTS TO BE SUBMITTED TO MUNICIPAL ENGINEER. MODIFICATIONS TO EXISTING WORKS SHALL BE VISUALLY TESTED FOR LEAKS UNDER NORMAL WORKING PRESSURE PRIOR TO BACKFILL.

ALL WATER MAIN WORKS SHALL BE DISINFECTED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C801-14 (SEE DISINFECTION PROCEDURE ON WATER DETAIL SHEET). RESULTS TO BE SUBMITTED TO THE MUNICIPAL ENGINEER.

POTABLE WATER MAIN PIPE TO BE:

- BLUE-COLORED PVC DR-18 AWWA C-900

POTABLE WATER SERVICE TUBING TO BE:

- TYPE K COPPER

ALL PLASTIC WATER MAIN AND WATER SERVICE TUBING SHALL BE BURIED WITH TRACER WIRE SECURED TO THE PIPE WITH GORILLA TAPE. BLUE-COLORED #10 BY KRIS-TECH WIRE CO. MAIN BRANCHES AND SERVICE CONNECTIONS SHALL BE MADE WITHOUT CUTTING THE MAIN WIRE, USING 3-WAY DIRECT-BURY LUGS WITH SILICONE GEL ENCAPSULATORS. SPICES AT ROAD ENDS SHALL BE MECHANICALLY AND ELECTRICALLY FASTENED BY TYPING WIRE IN A KNOT AND CONNECTING EXPOSED CONDUCTORS IN SILICONE GEL TYPED ENCAPSULATORS. DIRECT-BURY TRACER WIRE CONNECTIONS SUCH AS EPPOXON CONNECTORS BY COPPERHEAD INDUSTRIES, LLC, TRACER WIRE SHALL BE BROUGHT UP 12" MIN. ABOVE GRADE ON THE OUTSIDE OF ALL HYDRANTS, GATE & CURB BOXES.

ALL WATER PIPE SHALL HAVE 8-INCH WIDE, BLUE-COLORED PLASTIC WATER UTILITY LID. MARKING TAPE BURIED ON TOP OF THE COMPACTED INITIAL PIPE BACKFILL, 12" MIN. ABOVE THE PIPE.

THRUST BLOCKING TO COMPLY WITH THE MUNICIPAL STANDARDS. THRUST BLOCKS TO BE CAST-IN-PLACE CONCRETE MIN. 3,000 PSI (SEE DETAIL).

ALL STORM SEWER PIPE TO BE DUAL WALL HIGH-DENSITY POLYETHYLENE WITH SMOOTH INTERIOR AND ANNULAR CORRUGATED EXTERIOR. PIPE JOINTS ARE TO BE SEAL-TIGHT WITH EITHER INTEGRAL BELL & SPIGOT JOINTS WITH RUBBER GASKETS MEETING ASTM F477, BUT-TON PREMIUM BAND COUPLERS WITH RUBBER GASKETS OR STANDARD BAND COUPLERS WRAPPED WITH NON-WOVEN GEOTEXTILE FABRIC 4-FEET WIDE AND OVERLAPPED AT EACH END. WATERPROOF JOINTS ARE REQUIRED WHERE PE PIPE IS SPECIFIED FOR SMA BASIN INLET PIPE AND FITTINGS.

CATCH BASIN GRATES ARE TO BE BICYCLE SAFE.

THE INFORMATION REPRESENTED WITHIN THESE DOCUMENTS DOES NOT IMPLY ANY CONTRACT, OR OBLIGATION FOR, PERFORMING ANY OR ALL TOWN, COUNTY, OR STATE REQUIRED INSPECTIONS DURING THE COURSE OF CONSTRUCTION OR PURSUANT TO OBTAINING CERTIFICATE OF OCCUPANCY. SUCH INSPECTION SERVICES, IF PERFORMED BY THIS OFFICE, SHALL BE ESTABLISHED BY SEPARATE CONTRACT.

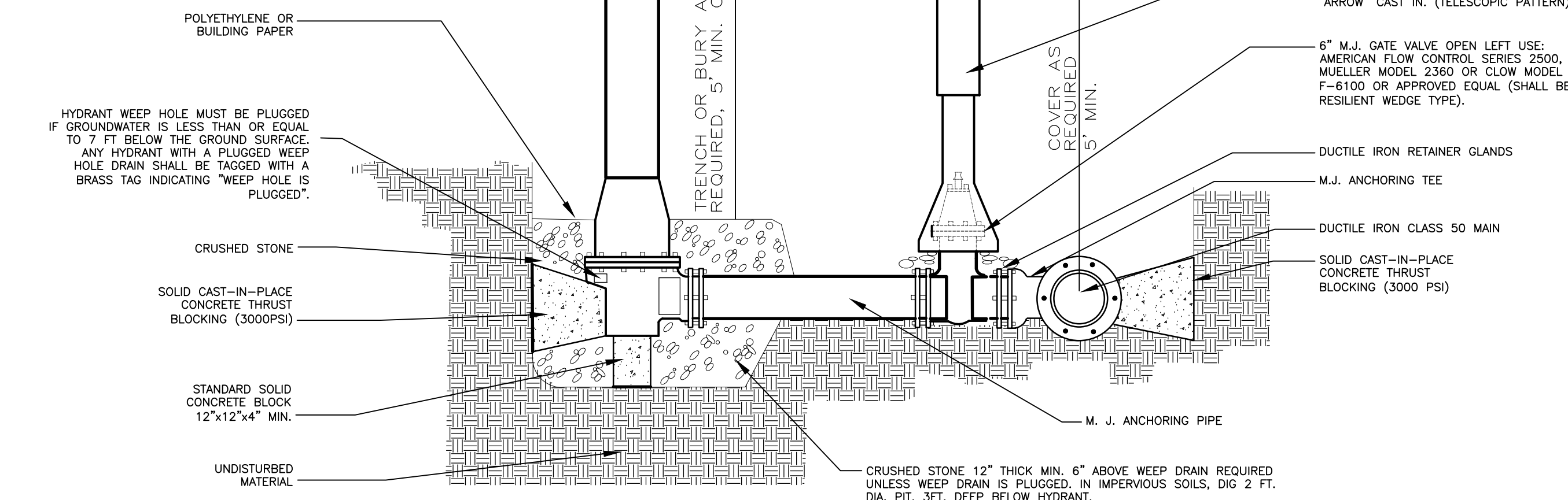
IN THE EVENT THAT THE CONSTRUCTION STAKEOUT AND INSPECTION OF THE WORK IS NOT PERFORMED BY THE ENVIRONMENTAL DESIGN PARTNERSHIP (EDP), EDP WILL NOT BE HELD RESPONSIBLE FOR ANY ERRORS, OMISSIONS, COSTS, EXPENSES OR LIABILITY OF WHATEVER KIND AND NATURE, RESULTING FROM FIELD CHANGES AND/OR ERRORS WHICH EDP WOULD OTHERWISE HAVE HAD AN OPPORTUNITY TO CHECK AND CORRECT BEFORE THEY WERE IN A POSITION TO CONTROL THE PROJECT THROUGH STAKEOUT AND INSPECTION.

CLAIMS MADE AGAINST CONSULTANT FOR SURVEY STAKEOUT ERRORS WILL BE HONORED ONLY IF CONSULTANT IS NOTIFIED FOR VERIFICATION OF THE SAME IMMEDIATELY UPON DISCOVERY. BEFORE ANY CONTROL STAKES ARE DISTURBED. IF, AFTER VERIFICATION, IT IS DETERMINED THAT NO STAKEOUT ERROR OCCURRED, THE CLIENT SHALL REIMBURSE THE CONSULTANT FOR ADDITIONAL EXPENSES INCURRED FOR SUCH VERIFICATION.

ALL ERRORS, OMISSIONS AND DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENVIRONMENTAL DESIGN PARTNERSHIP IMMEDIATELY UPON DISCOVERY. OTHERWISE, THE ENV

NOTES:

1. ALL FIRE HYDRANTS SHALL BE AMERICAN-DARLING MODEL B62B-5, KENNEDY GUARDIAN OR MUELLER SUPER CENTURION
2. HYDRANTS SHALL BE INSTALLED TRULY VERTICAL AND BE CAREFULLY PLUMBED, AND FINISH COAT PAINTED RED WITH SHERWIN WILLIAMS EXTERIOR ENAMEL AS PER WATER SUPERINTENDENT.
3. (REFERENCE - TEN STATE STANDARDS) HYDRANT DRAINS, WHERE ALLOWED, SHALL NOT BE LOCATED WITHIN 10 FEET OF SANITARY SEWERS, STORM SEWERS, OR STORM INLETS.



1 HYDRANT INSTALLATION (TYP)

19 NOT TO SCALE

REQUIRED AREAS (SQ. FT.) FOR THRUST BLOCKS*						THRUST REACTIONS - R(LB) PER 100PSI INTERNAL PRESSURE						THRUST BLOCK DIMENSIONS ON VERTICAL TRENCH WALL ORIGINAL GROUND (FEET)					
PIPE SIZE (INCHES)	TEE	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	PIPE SIZE (INCHES)	TEE	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	PIPE SIZE (INCHES)	TEE	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4	2.0	2.8	1.5	0.8	0.4	4	1,810	2,559	1,385	706	355	4	1.0X2.0	1.0X2.8	0.75X2.0	0.8X1.0	0.4X1.0
6	4.2	5.9	3.2	1.6	0.8	6	3,739	5,288	2,862	1,459	733	6	1.5X2.8	1.5X4.0	1.0X3.2	1.0X1.6	0.8X1.0
8	7.2	10.1	5.5	2.8	1.4	8	6,433	9,097	4,923	2,510	1,261	8	2.0X3.6	2.0X5.1	1.4X3.9	1.4X2.0	1.0X1.4
10	10.9	15.4	8.3	4.2	2.1	10	9,677	13,685	7,406	3,776	1,897	10	2.5X4.4	2.5X6.2	1.7X4.9	1.7X2.4	1.25X1.7
12	15.4	21.8	11.8	6.0	3.0	12	13,685	19,353	10,474	5,340	2,683	12	3.0X5.2	3.0X7.3	2.0X5.8	2.0X3.0	1.5X2.0
14	20.6	29.1	15.8	8.0	4.0	14	18,385	26,001	14,072	7,174	3,604	14	3.5X5.9	3.5X6.3	2.5X6.3	2.5X3.2	1.75X2.3
16	26.8	37.9	20.5	10.4	5.2	16	23,779	33,628	18,199	9,278	4,661	16	4.0X6.7	4.0X5.9	2.7X7.6	2.75X3.8	2.0X2.6
18	33.6	47.5	25.7	13.1	6.6	18	29,665	42,235	22,858	11,653	5,855	18	4.5X7.5	4.5X10.6	3.0X8.6	3.0X4.4	2.2X3.0
20	41.2	58.2	31.5	16.1	8.1	20	36,444	51,822	28,046	14,298	7,183	20	5.0X8.25	5.0X11.7	3.4X9.3	3.4X4.75	2.5X3.25
24	58.8	83.1	45.0	22.9	11.5	24	52,279	73,934	40,013	20,398	10,249	24	6.0X9.8	6.0X13.9	4.0X11.25	4.0X5.75	2.8X4.1
30	90.5	128.0	69.2	35.3	17.7	30	80,425	113,738	61,554	31,380	15,766	30	7.5X12.1	7.5X17.1	5.0X13.8	5.0X7.1	3.0X5.9
36	129.6	183.3	99.1	50.6	25.4	36	115,209	162,931	88,177	44,952	22,585	36	9.0X14.4	9.0X20.4	6.0X16.5	6.0X8.4	3.3X7.7

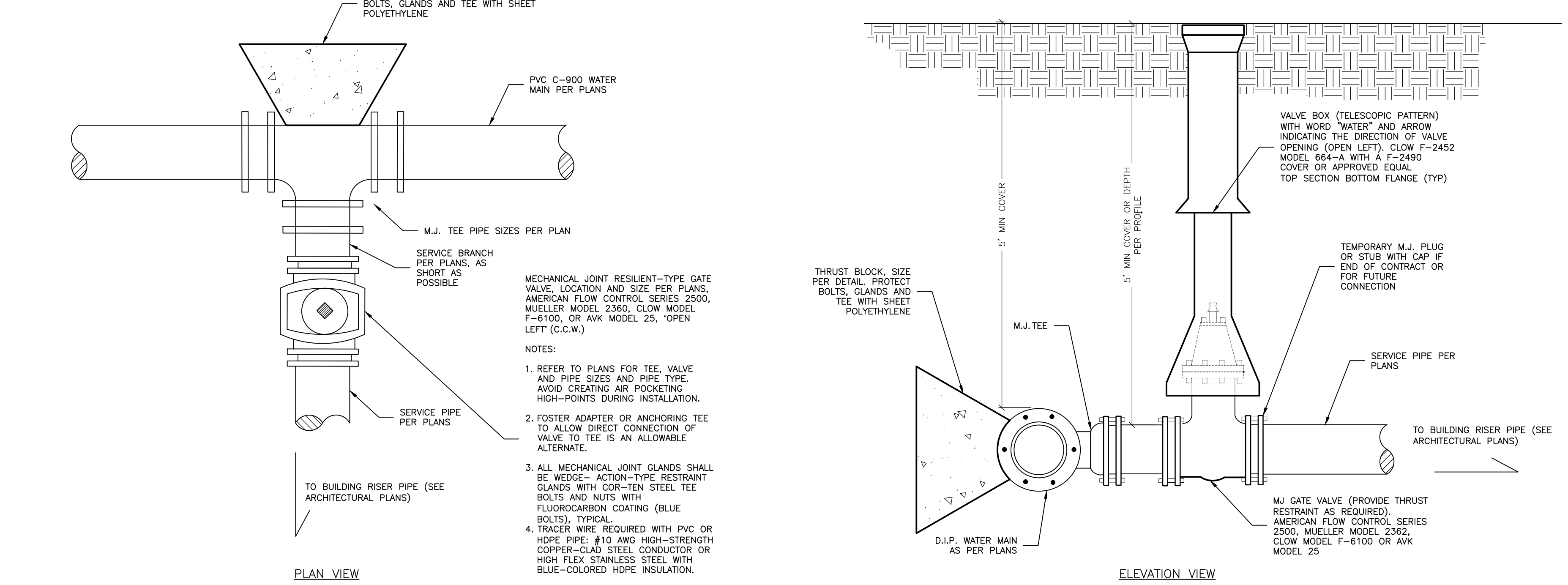
* A. FACTOR SAFETY OF 1.5
SOIL BEARING OF 3,000 PSI
225 DESIGN PRESSURE.

THRUST BLOCK NOTES:

1. VALUES FOR TEE APPLY TO TEES, END PLUGS, CAPS, AND TAPPING SLEEVES.
2. REQUIRED BEARING AREAS ARE DUE TO THRUSTS CAUSED BY 150 PSI WORKING PRESSURE PLUS 50K (75 PSF) SURGE ALLOWANCE RESULTING IN 225 PSI TOTAL INTERNAL PRESSURE.
3. REQUIRED BEARING AREAS ARE BASED ON ALLOWABLE SOIL BEARING CAPACITY OF 3,000 POUNDS PER SQ. FT. IF 90° BENDS ARE USED, THE BEARING AREAS MAY BE MODIFIED BY THE WATER SUPERINTENDENT.
4. IN MUCK, PEAT OR RECENTLY PLACED FILL ALL THRUSTS SHALL BE RESISTED BY PILES OR THE ROADS TO SOLID FOUNDATIONS, OR BY REMOVAL OF SUCH UNSTABLE MATERIAL AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILITY TO RESIST THE THRUSTS. ALL AS REQUIRED BY THE WATER SUPERINTENDENT.
5. ALL THRUST BLOCKS SHALL BE CAST-IN-PLACE.
6. ALL DUCTILE IRON WATER MAIN SHALL BE ENCASED IN POLYETHYLENE, IF TESTING WARRANTS.

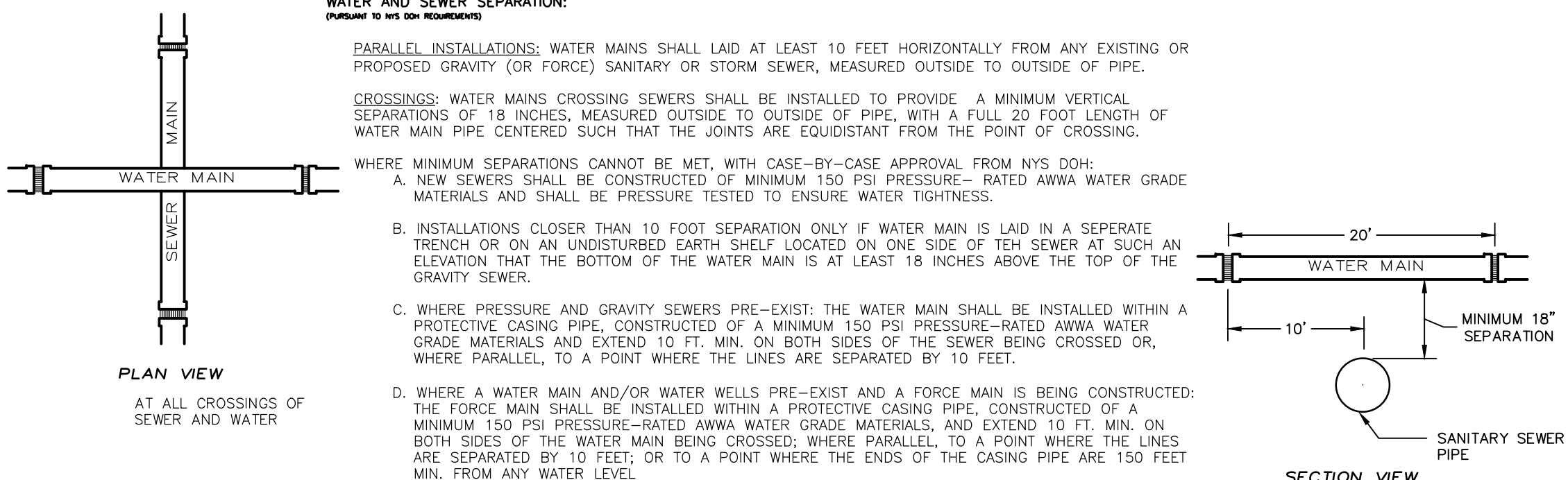
2 THRUST BLOCK (TYP)

19 NOT TO SCALE



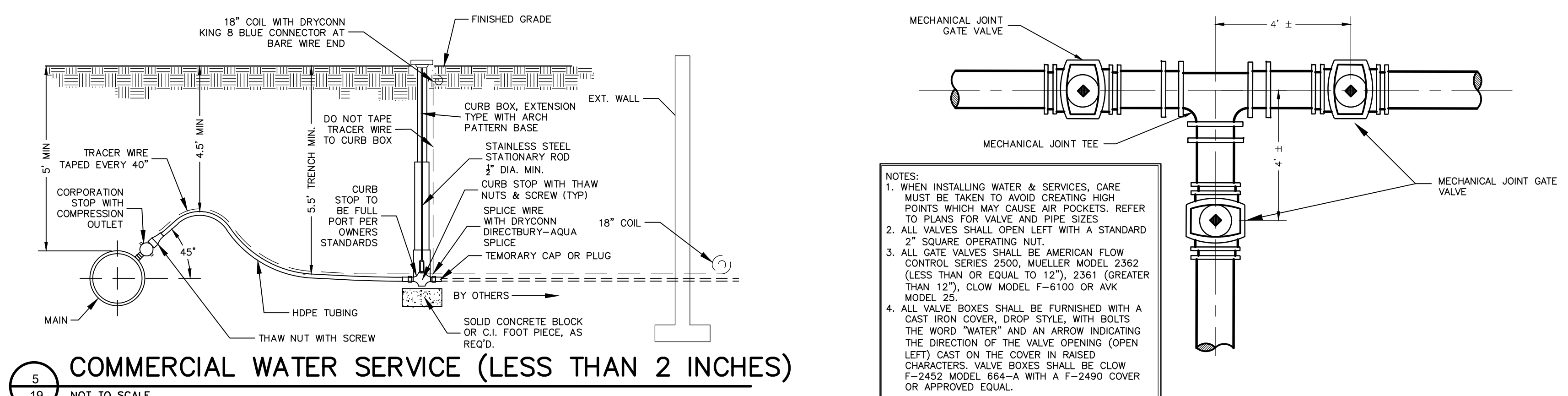
3 COMMERCIAL WATER SERVICE (TYP)

19 NOT TO SCALE



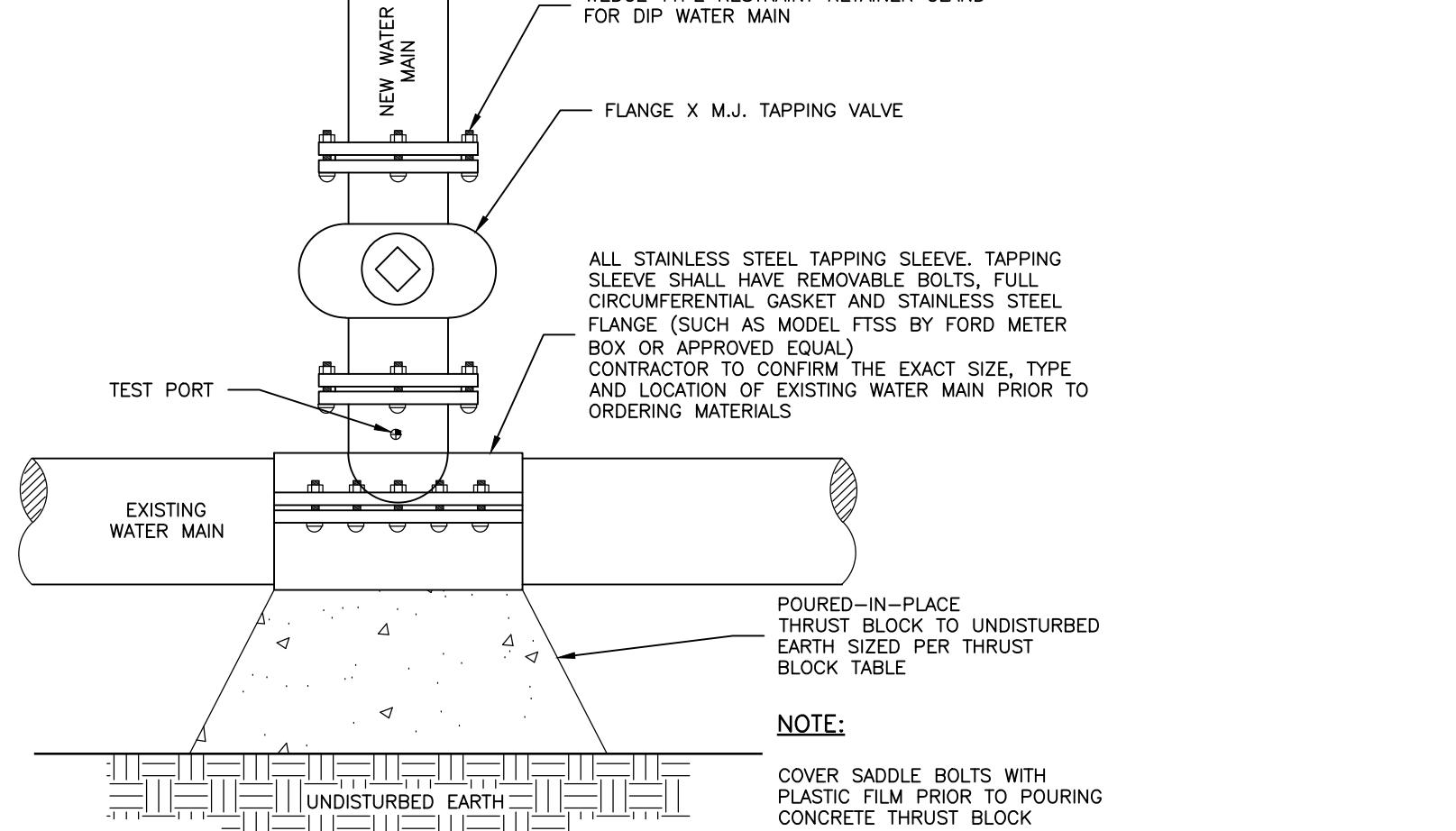
4 WATER SEWER SEPARATION (TYP)

19 NOT TO SCALE



5 COMMERCIAL WATER SERVICE (LESS THAN 2 INCHES)

19 NOT TO SCALE

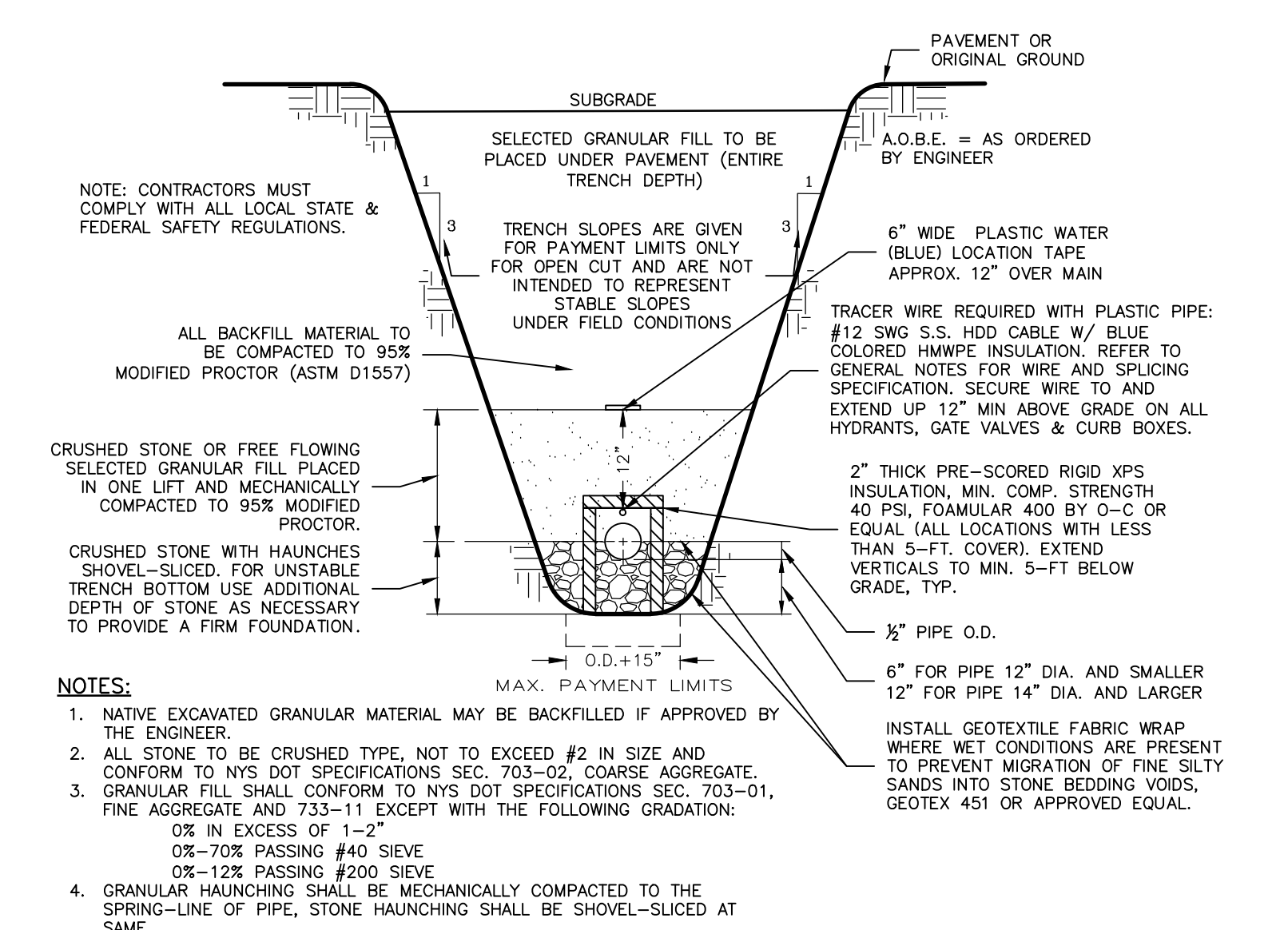


6 TAPPING SADDLE VALVE

19 NOT TO SCALE

7 TYPICAL JUNCTION TEE

19 NOT TO SCALE



8 WATER TRENCH DETAIL

19 NOT TO SCALE

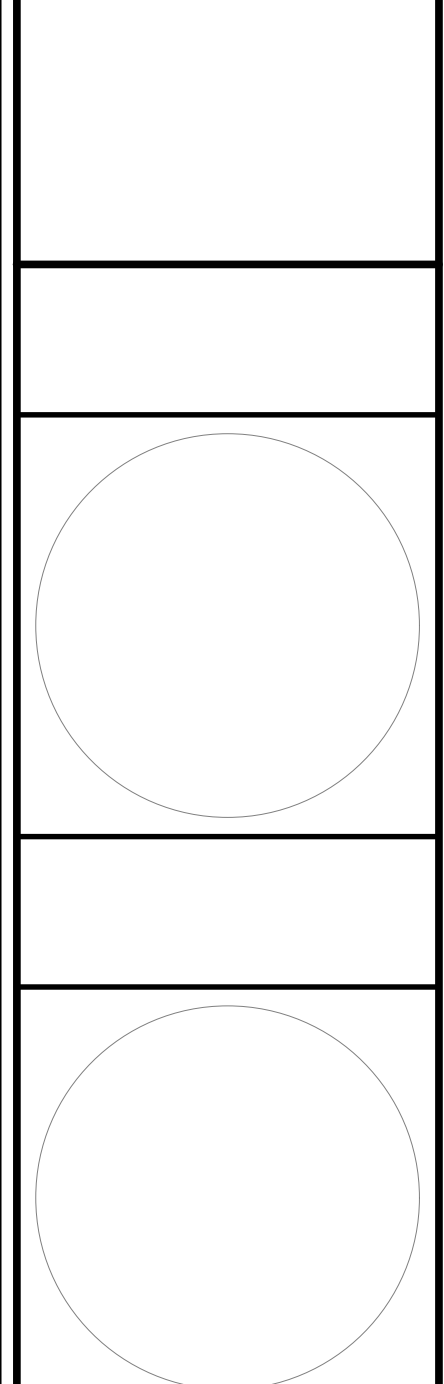
WATER NOTES:

1. ALL PIPE MATERIALS AND APPURTENANCES ARE SUBJECT TO APPROVAL BY THE MUNICIPAL ENGINEER.
2. THE CONTRACTOR SHALL VERIFY SIZE, TYPE, HORIZONTAL AND VERTICAL LOCATION OF THE MAIN AT THE PROPOSED CONNECTION POINTS PRIOR TO CONSTRUCTION. CONFLICTS WITH OTHER UTILITIES TO BE CONSTRUCTED ARE TO BE AVOIDED. DISCREPANCIES OR CONFLICTS WITH EXISTING UTILITIES SHALL BE REPORTED TO THE ENGINEER OF RECORD IMMEDIATELY.
3. MINIMUM WATER MAIN DEPTH (TOP OF PIPE TO FINISH GRADE) SHALL BE 5'-0"
4. ALL FILL BELOW WATER MAIN SHALL BE COMPACTED GRANULAR MATERIAL (MIN 95% MODIFIED PROCTOR TYP)
5. ALL TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED TO PREVENT SETTLEMENT. TOP TRENCH WITH 12" MIN. APPROVED GRAVEL IN PAVED AREAS AND ALONG SIDE OF EXISTING ROAD FOR SHOULDER BASE. REPLACE DAMAGED PAVEMENTS WITH LIKE KIND AND LIKE THICKNESS.
6. WATER MAINS SHALL BE PVC DR-18 AWWA C900.
7. WATER SERVICE PIPE SHALL BE PVC DR-18 AWWA C900 AND PE 4710 IPS DR-11.
8. WATER MAINS ARE TO BE INSTALLED IN ACCORDANCE WITH AWWA STANDARDS: C605 & MANUAL M23 FOR PVC PIPE.
9. MOLDED OR FABRICATED PIPE FITTINGS SHALL NOT BE USED. ALL FITTINGS SHALL BE EITHER MECHANICAL JOINT DUCTILE IRON, STAINLESS STEEL OR SERVICE BRASS AND INSTALLED IN ACCORDANCE WITH AWWA STANDARD C600-17.
10. ALL WATER PIPE AND APPURTENANCES SHALL BE EITHER NSF OR UL APPROVED FOR USE WITH POTABLE WATER AND SHALL BEAR THEIR RESPECTIVE SEAL.
11. GATE VALVES SHALL CONFORM TO AWWA C500-09. HYDRANTS SHALL CONFORM TO AWWA C502-14.
12. HYDRANTS SHALL BE LOCATED AT STREET INTERSECTIONS AND AT INTERMEDIATE POINTS AS INDICATED ON THE PLANS. CARE SHALL BE USED, WHEN LAYING MAINS, SO AS TO AVOID CREATING HIGH POINTS BETWEEN HYDRANTS.
13. MINIMUM SEPARATIONS BETWEEN WATER MAINS AND SANITARY AND STORM SEWERS ARE REQUIRED PER TEN STATE STANDARDS AT CROSSINGS, 18" MIN. WHERE PARALLEL, 10 FT. MIN. (MEASURED O.D. TO O.D.)
WHERE MINIMUM SEPARATIONS CANNOT BE MAINTAINED:
NEW SEWERS SHALL BE CONSTRUCTED OF MATERIALS AND WITH JOINTS EQUIVALENT TO WATER WORKS GRADE 150 PSI (1.0 MPA) PRESSURE RATED PIPE MEETING AWWA STANDARDS OR PIPE APPROVED BY THE REVIEWING AUTHORITY AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS.
WHERE SEWERS PRE-EXIST, THE WATER MAIN SHALL BE ENCASED IN A WATER TIGHT CARRIER PIPE (CONSTRUCTED OF WATER MAIN MATERIALS) AND EXTEND TO 10' MIN ON BOTH SIDES OF SEWER BEING CROSSED OR TO A POINT WHERE LINES ARE SEPARATED TO 10'.
14. TRIGGER BLOCKING SHALL BE CAST-IN-PLACE CONCRETE AND SHALL BE SIZED AS PER TRENCH BLOCK SCHEDULE.
15. ALL NEW WATER MAIN WORKS ARE TO BE HYDROSTATICALLY TESTED AT 150 PSIG MIN. (AS MEASURED AT THE LOWEST POINT) IN ACCORDANCE WITH AWWA STANDARDS C600-17 FOR DUCTILE IRON PIPE, MANUAL M23 FOR PVC, AND MANUAL M55 FOR PE. RESULTS TO BE SUBMITTED TO MUNICIPAL ENGINEER. MODIFICATIONS TO EXISTING WORKS SHALL BE VISUALLY TESTED FOR LEAKS UNDER NORMAL WORKING PRESSURE PRIOR TO BACKFILL.
16. ALL WATER MAIN WORKS SHALL BE DISINFECTED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C651-14 (SEE DISINFECTION PROCEDURE ON THIS SHEET AND NYS DOH REQUIREMENTS. RESULTS TO BE SUBMITTED TO THE MUNICIPAL ENGINEER.
17. ALL NEW WATER MAINS ARE TO BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARDS: C600-99 SECT. 4 FOR DUCTILE IRON. RESULTS TO BE SUBMITTED TO WATER SUPERINTENDENT. MODIFICATIONS TO EXISTING MAINS SHALL BE DISINFECTED BY SWAB METHOD AND VISUALLY TESTED FOR LEAKS UNDER NORMAL WORKING PRESSURE PRIOR TO BACKFILL.
18. ALL WATER MAINS SHALL BE DISINFECTED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C651-99 (SEE DISINFECTION PROCEDURE THIS SHEET) RESULTS TO BE SUBMITTED TO THE WATER SUPERINTENDENT.
19. CURB BOXES ARE TO BE INSTALLED SO THAT CAPS EXTEND ABOVE FINISHED GRADE 1" AND IDENTIFIED WITH 2"4 LUMBER MARKER IN GRASSY AREAS. IN PAVED AREAS, USE TWO PECE CURB BOX CAP (PENTAGONAL PLUG) AND CAST IRON CURB BOX SLEEVE TO ALLOW ADJUSTMENT OF THE GROUND KEY LID (MUELLER H-10342 OR APPROVED EQUAL).
20. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO ADHERE STRICTLY TO ALL RELEVANT NYS OSHA LABOR SAFETY STANDARDS INCLUDING, BUT NOT LIMITED TO, THOSE RELATING TO CONSTRUCTION SAFETY AND TRENCH SHORING.
21. ALL PIPES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS.
22. ALL WATER PIPE SHALL HAVE 6-INCH WIDE, BLUE COLORED PLASTIC WATER UTILITY I.D. MARKING TAPE BURIED ON THE TOP OF THE COMPACTED INITIAL PIPE BACKFILL, 12" MIN. ABOVE THE PIPE.
23. ALL PLASTIC WATER MAIN AND WATER SERVICE TUBING SHALL BE BURIED WITH TRACER WIRE SECURED TO THE PIPE WITH GORILLA TAPE. BLUE-COLORED #10 BY KRIS-TECH WIRE CO. MAIN BRANCHES AND SERVICE CONNECTIONS SHALL BE MADE WITHOUT CUTTING THE MAIN WIRE. USING 3-WAY DIRECT-BURY UTILITY WITH STYRENE GEL ENCAPSULATOR. TRACER WIRE ENDS SHALL BE MECHANICALLY AND ELECTRICALLY FASTENED BY TYING WIRE IN A KNOT AND CONNECTED EXPANDED CONDUCTORS IN SILICONE GEL. TRACER WIRE SHALL BE BROUGHT UP 12" MIN. ABOVE GRADE ON THE OUTSIDE OF ALL HYDRANTS, GATE & CURB BOXES.
24. IT MAY BE NECESSARY TO "TIE BACK" OR HOLD UTILITY POLES DURING CONSTRUCTION. THIS SHOULD BE ACCOMPLISHED IN COOPERATION WITH UTILITY COMPANIES DIRECTLY BY THE CONTRACTOR.
25. THE INFORMATION REPRESENTED WITHIN THESE DOCUMENTS DOES NOT IMPLY ANY CONTRACT OR OBLIGATION FOR PERFORMING ANY OR ALL TOWN, COUNTY OR STATE REQUIRED INSPECTIONS DURING THE COURSE OF CONSTRUCTION OR PURSUANT TO OBTAINING CERTIFICATE OF OCCUPANCY. SUCH INSPECTION SERVICES IF PERFORMED BY THIS OFFICE SHALL BE ESTABLISHED BY SEPARATE CONTRACT.
26. ALL GENERAL AND SPECIFIC NOTES AND DETAILS ON OTHER PLAN SHEETS THAT ARE PART OF THESE PLANS SHALL APPLY.
27. ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES SUCH AS GAS, WATER, TELEPHONE, POWER, CABLE TV, ETC. PRIOR TO COMMENCEMENT OF CONSTRUCTION.
28. AS PER NYS INDUSTRIAL CODE 53, CONTRACTOR TO CALL 1-800-962-7962 TO LOCATED BURIED OR OTHER UNDERGROUND UTILITIES NO LESS THAN TWO OR MORE THAN TEN WORKING DAYS PRIOR TO DIGGING, DRILLING, EXCAVATING, DRIVING POSTS, ETC.

DISINFECTION: ALL POTABLE WATER PIPE SHALL BE DISINFECTED AND BACTERIOLOGICALLY VERIFIED (TESTED) PRIOR TO USE IN ACCORDANCE WITH AWWA C651-14 AS FOLLOWS:

1. WORK CLEAN: PREVENT CONTAMINATING MATERIALS FROM ENTERING THE WATER MAIN DURING STORAGE, CONSTRUCTION, OR REPAIR.
2. PREVENT BACKFLOW: PROTECT THE EXISTING DISTRIBUTION SYSTEM FROM ANY BACKFLOW CAUSED BY HYDROSTATIC PRESSURE TESTING AND DISINFECTION PROCEDURES. THE SUPPLY VALVE SHALL BE KEPT CLOSED AT ALL TIMES, EXCEPT DURING FLUSHING AND DISINFECTION FEED OPERATIONS.
3. PRE-FLUSH:
A. FILL THE WATER MAIN AND ELIMINATE ALL AIR POCKETS.
B. FLUSH THE WATER MAIN AT A VELOCITY NOT LESS THAN 3.0 FT/SEC TO REMOVE PARTICULATES.
4. DOSE CHLORINE (CONTINUOUS METHOD):
A. INSTALL A TEST TAP NOT MORE THAN 10 FT. DOWNSTREAM FROM THE BEGINNING OF THE NEW MAIN.
B. TO WATER ENTERING THE NEW MAIN, FEED A DOSE OF CHLORINE AT A CONSTANT RATE SUCH THAT THE WATER SHALL HAVE A RESIDUAL NOT LESS THAN 25 MG/L OF FREE CHLORINE. VERIFY CHLORINE CONCENTRATIONS AT ALL HYDRANTS, TAPS, AND SERVICE LATERALS. DOSING SHALL CONTINUE UNTIL HEAVILY CHLORINATED WATER IS CONTINUOUS THROUGHOUT THE NEW MAIN AND ALL VALVES AND HYDRANTS HAVE BEEN OPERATED TO PROVIDE CHLORINE CONTACT.
5. CONTACT TIME: AFTER A 24-HOUR MINIMUM RETENTION PERIOD, THE TREATED WATER SHALL HAVE A RESIDUAL OF NOT LESS THAN 10 MG/L OF FREE CHLORINE. VERIFY CHLORINE CONCENTRATIONS AT ALL HYDRANTS, TAPS, AND SERVICE LATERALS. REPEAT STEP 4.B. IF RESIDUAL IS LESS THAN 10 MG/L.
6. FLUSH/ NEUTRALIZE: FLUSH THE HEAVILY CHLORINATED WATER FROM THE MAIN UNTIL A RESIDUAL OF NOT MORE THAN 1.0 MG/L REMAINS. APPLY A NEUTRALIZING CHEMICAL TO ELIMINATE THE RESIDUAL CHLORINE IF THERE IS ANY POSSIBILITY THAT HEAVILY CHLORINATED WATER DISCHARGE WILL CAUSE DAMAGE TO THE ENVIRONMENT.
7. BACTERIOLOGICAL VERIFICATION PER SECTION 5.1: TWO CONSECUTIVE SETS OF ACCEPTABLE SAMPLES, TAKEN FROM THE SAME SAMPLING SITES, A SEPARATE SET OF 16 HOURS APART, SHALL BE COLLECTED FROM THE NEW WORKS AS FOLLOWS: ONE SET PER 1200 LF OF NEW MAIN PLUS ONE SET FROM THE END-OF-THE-LINE AND ONE SET FROM EACH BRANCH - AT A MINIMUM. EACH SAMPLE SHALL BE TESTED FOR BOTH HPC (METRORETROPHIC PLATE COUNT) AND TOTAL COLIFORM (TC). THE HPC TEST IS WAIVED FOR THE REPEAT SAMPLES IF THE INITIAL RESULTS ARE LESS THAN 500 CFU/ml. WHEN HPC RESULTS EXCEED 500 CFU/ml, THE WORKS SHALL BE FLUSHED AND SAMPLED UNTIL NO COLIFORM ARE PRESENT AND THE HPC IS LESS THAN 500 CFU/ml. IF REPEAT SAMPLES FAIL, THE MAIN SHALL BE RECHLORINATED, FLUSHED AND SAMPLED UNTIL SATISFACTORY RESULTS ARE OBTAINED. ALL TEST RESULTS SHALL BE FURNISHED TO THE ENGINEER.

DESIGNED BY	JAC	
CHECKED BY	JCD	
CDP PROJECT NUMBER	12646	
THE ALLOCATION OF THESE GOODWILLS IS A MATTER AND, UNLESS SOON UNDER THE DIRECT SUPERVISION OF A COMPETENT PROFESSIONAL, (1) FOR EMPLOYER FOR A FUTURE LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT OR SUPERVISOR FOR A LANDSCAPE ARCHITECT OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" LANDSCAPE ARCHITECT.		
REVISION	DATE	BY
TOWN PRELIMINARY SUBMISSION	03/31/2020	JAC



SCALE:
AS SHOWN

NOT FOR CONSTRUCTION

SHEET TITLE:
WATER DETAILS

SHEET:
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