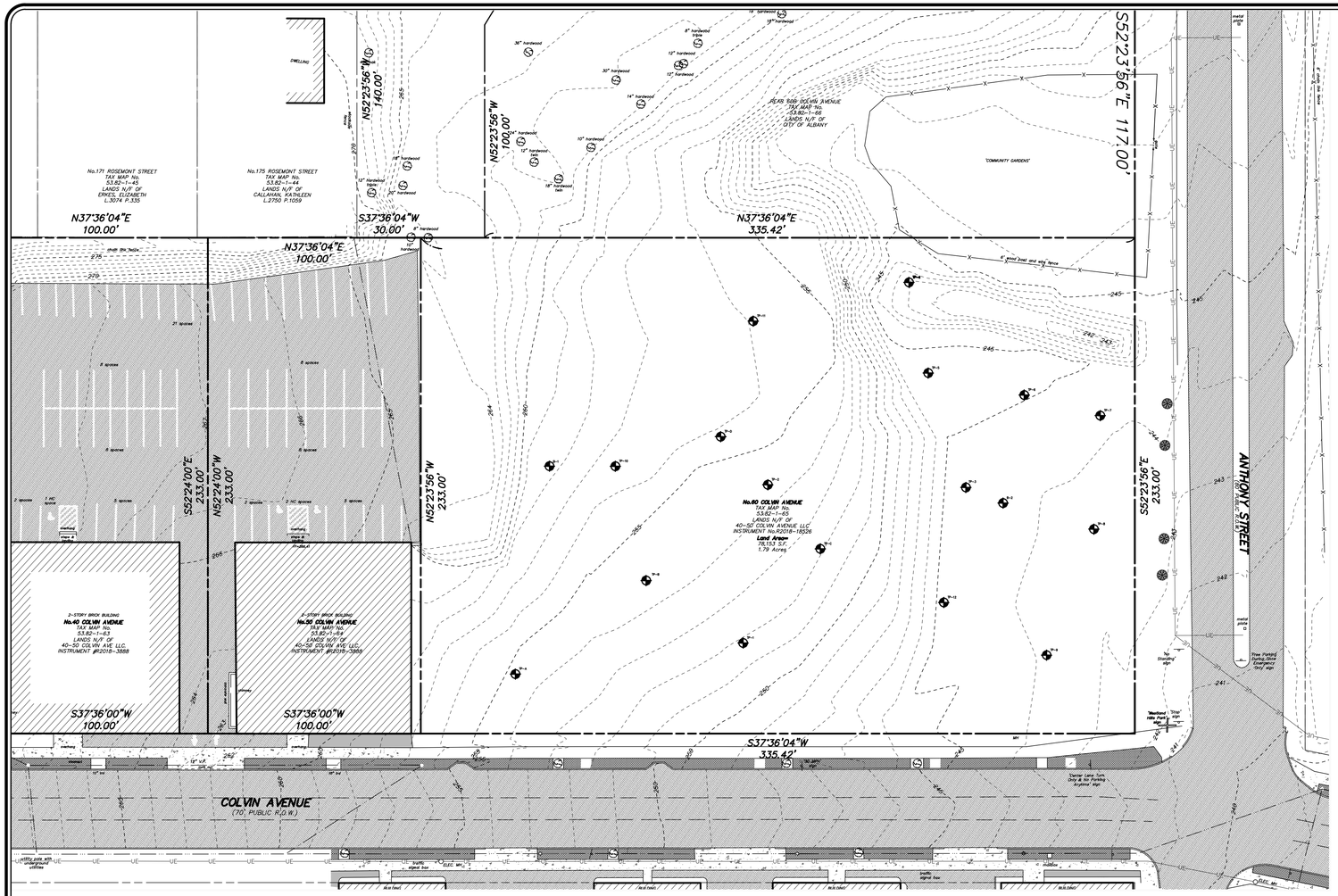
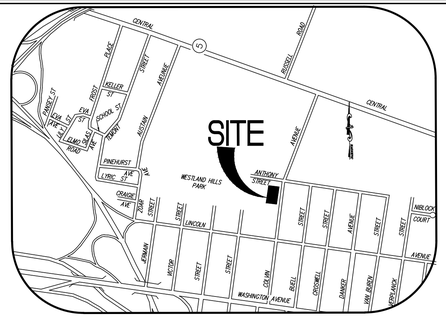


LEGEND

R.O.W.	RIGHT OF WAY	⊡	MONUMENT
No.	NUMBER	○	IRON ROD
enc.	ENCROACHMENT	MH ○	MANHOLE
P.O.B.	POINT OF BEGINNING	⊞	CATCHBASIN
S.F.	SQUARE FEET	▭	SIGN
N/F	NOW OR FORMERLY	•	BOLLARD
Ft.	FEET	—x—	FENCE LINE
Deg.	DEGREE		GUARD RAIL
R	RECORD		OVERHEAD WIRE, UTILITY POLE & GUY WIRE
M	MEASURED		TRAFFIC FLOW ACCESS AREA
N	NORTH	WS	WATER SHUT OFF
S	SOUTH	WV	WATER VALVE
E	EAST		HYDRANT
W	WEST	GV	GAS VALVE
tel.	TELEPHONE		STREET LIGHT
elec.	ELECTRIC		LIGHT POLE
L.	LIBER		CONCRETE
P.	PAGE		PAVEMENT
♿	HANDICAPPED PARKING SPACE		
0	PARKING METER		



SITE LOCATION MAP

NOT TO SCALE

BORING TABLE:
TP-1 TO TP-12
TP-A TO TP-D
B1 TO B2

PERFORMED BY:
DENTE ENGINEERING (JUNE 2006)
DANIEL G. LOUCKS (MAY 2019)
DENTE ENGINEERING (JUNE 2006)

MAGNETIC

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

SCHEDULE OF DRAWINGS

1 EXISTING CONDITIONS PLAN
2 SITE PLAN
3 UTILITY PLAN
4 SWPPP PLAN AND DETAILS
5 EROSION AND SEDIMENT CONTROL PLAN
6 EROSION AND SEDIMENT CONTROL DETAILS
7 WATER PLAN AND DETAILS
8 SEWER PLAN AND DETAILS
9 SITE DETAILS
10 DETAILS
11 GREEN ROOF DETAILS
12 LIGHTING PLAN
13 MAINTENANCE AND PROTECTION OF TRAFFIC PLAN
14 MAINTENANCE AND PROTECTION OF TRAFFIC UTILITY PLAN
15 WORK ZONE TRAFFIC PROTECTION PLAN
16 TRUCK ROUTING PLAN
17 RETAINING WALL DETAILS 1
18 RETAINING WALL DETAILS 2
19 LANDSCAPING PLAN

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

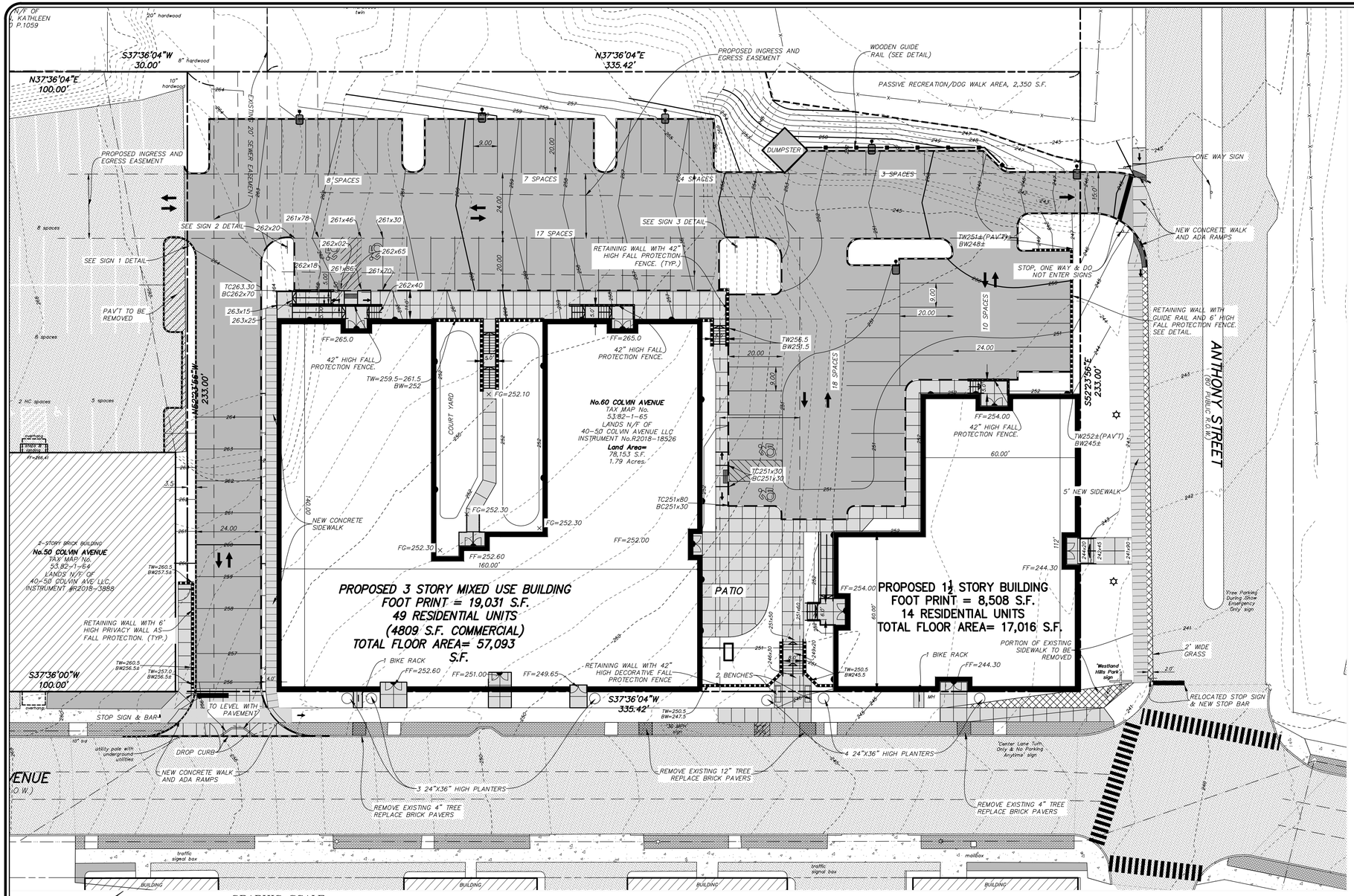
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STATE OF NEW YORK
DANIEL R. HERSHBERG
LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR
044226

REVISIONS	DATE
REMARKS	
JANUARY 23, 2019 REVIEW MEMO	6/29/20
RESPONSE REVISIONS	8/4/20

EXISTING CONDITIONS PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 190162 | SCALE: 1"=30' | BY: AS | CHK: DRH | DATE: 6/19/2020 | 190162-ELDWG



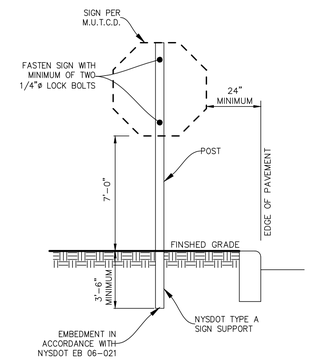
NOTE;
FALL PROTECTION FENCE IS REQUIRED WHERE VERTICAL ELEVATION DIFFERENTIAL ON THE RETAINING WALLS IS 30" OR GREATER. SEE FALL PROTECTION FENCE DETAIL ON SHEET C-9

PARKING TABLE:

REQUIRED PARKING		
RESIDENTIAL UNITS(63)	1 PER UNIT	63
RESTAURANT (2887 SF)	1 PER 150 SF	20
GENERAL RETAIL (1922 SF)	1 PER 400 SF	5
SUBTOTAL		88
SHARED PARKING CORRECTION (1.1)		-8
PROXIMITY TO TRANSIT (20%)		-17
TOTAL REQUIRED		63
PROVIDED		67
OUTDOOR BICYCLE PARKING		10
(NOTE: INDOOR BICYCLE PARKING WILL BE AVAILABLE FOR ALL TO USE)		

RECREATION AREAS

PASSIVE RECREATION/DOG WALK AREA	2,350	SF
COURTYARD	2,782	SF
ADJOINING PATIO	1,130	SF
FITNESS CENTER/LOUNGE	1,720	SF
TOTAL PROVIDED	7,982	SF
TOTAL REQUIRED	7,815	SF



SIGN INSTALLATION DETAIL
NOT TO SCALE



SIGN 1 SIGN 2 SIGN 3

DIRECTIONAL SIGNAGE DETAILS
NOT TO SCALE

LEGEND

R.O.W.	RIGHT OF WAY		MONUMENT
No.	NUMBER		IRON ROD
enc.	ENCROACHMENT	MH	MANHOLE
P.O.B.	POINT OF BEGINNING		CATCHBASIN
S.F.	SQUARE FEET		SIGN
N/F	NOW OR FORMERLY		BOLLARD
Ft.	FEET		FENCE LINE
Deg.	DEGREE		GUARD RAIL
R	RECORD		OVERHEAD WIRE, UTILITY POLE & GUY WIRE
M	MEASURED		TRAFFIC FLOW ACCESS AREA
N	NORTH	WV	WATER SHUT OFF
S	SOUTH	WV	WATER VALVE
E	EAST		HYDRANT
W	WEST	WV GV	GAS VALVE
tel.	TELEPHONE		STREET LIGHT
elec.	ELECTRIC	GV	LIGHT POLE
L.	LIBER		CONCRETE
P.	PAGE		PAVEMENT
	HANDICAPPED PARKING SPACE		
0	PARKING METER		

PAVEMENT MARKINGS	HANDICAPPED PARKING	U/T	EXISTING TELEPHONE
	STOP BAR	199	EXISTING CONTOURS
	TRAFFIC FLOW MARKING	200	EXISTING CONTOURS
	EXIST. TREE LINE	W	EXISTING WATER MAIN
280x90	FINISH GRADE SPOT ELEVATION		EXISTING HYDRANT
	PROPOSED BUILDING	S	EXISTING SEWER MAIN
	PROPOSED CURB	MH	EXISTING MANHOLE
	PROPOSED RETAINING WALL	W	EXISTING WATER MAIN
	PROPOSED PAVEMENT		EXISTING LIGHT POLE
	PROPOSED SIDEWALK AND HANDICAPPED RAMP -DETECTABLE SURFACE		EXISTING UTILITY POLE
	PROPOSED CONCRETE PAVEMENT		EXISTING OVERHEAD WIRE
			BUILDING MOUNTED LIGHTS
			LIGHT POLE
			BOLLARD LIGHT
		199	PROPOSED CONTOURS
		200	PROPOSED CONTOURS
		W	PROPOSED WATER MAIN
			PROPOSED HYDRANT & VALVE
		S	PROPOSED SAN. SEWER
		57	PROPOSED STORM SEWER
		RD	PROPOSED ROOF DRAIN
			PROPOSED STORM MANHOLE
			PROPOSED STORM MANHOLE

EXISTING SITE COVERAGE STATISTICS			
DESCRIPTION	S.F.	ACRES	%
GROSS SITE AREA	78,153	1.79	100.00%
IMPERVIOUS AREA	0	0	0
BUILDING COVERAGE	0	0	0
PAVEMENT/SIDEWALK COVERAGE	0	0	0
PERVIOUS AREA	78,153	1.79	100.00

PROPOSED SITE COVERAGE STATISTICS			
DESCRIPTION	S.F.	ACRES	%
GROSS SITE AREA	78,153	1.79	100.00%
IMPERVIOUS AREA	59,672	1.37	76.4
BUILDING COVERAGE	19,031	0.44	24.4
PAVEMENT/SIDEWALK COVERAGE	40,641	0.93	52.0
PERVIOUS AREA	18,481	0.42	23.6

NOTES

1. THE CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT AND A STREET ACCESS APPLICATION (CURB-CUT) FROM THE DEPARTMENT OF GENERAL SERVICES FOR ANY WORK WITHIN THE CITY'S ROW. CONTACT GARY BOHL AT 518-462-3529

2. A GRADING PERMIT IS REQUIRED. CONTRACTOR TO CONTACT PATRICK MCCUTCHEON, ENGINEERING DEPARTMENT (518-434-2387) FOR APPLICATION AND REVIEW.

3. CONTRACTOR IS TO PROVIDE 48 HOURS NOTICE TO THE DEPARTMENTT OF WATER PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY. IN ADDITION, THE CONTRACTOR SHALL CALL 48 HOURS IN ADVANCE TO SCHEDULE INSPECTIONS.

4. WATER AND SEWER PERMITS WILL BE REQUIRED PRIOR TO THE START OF CONSTRUCTION.

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Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

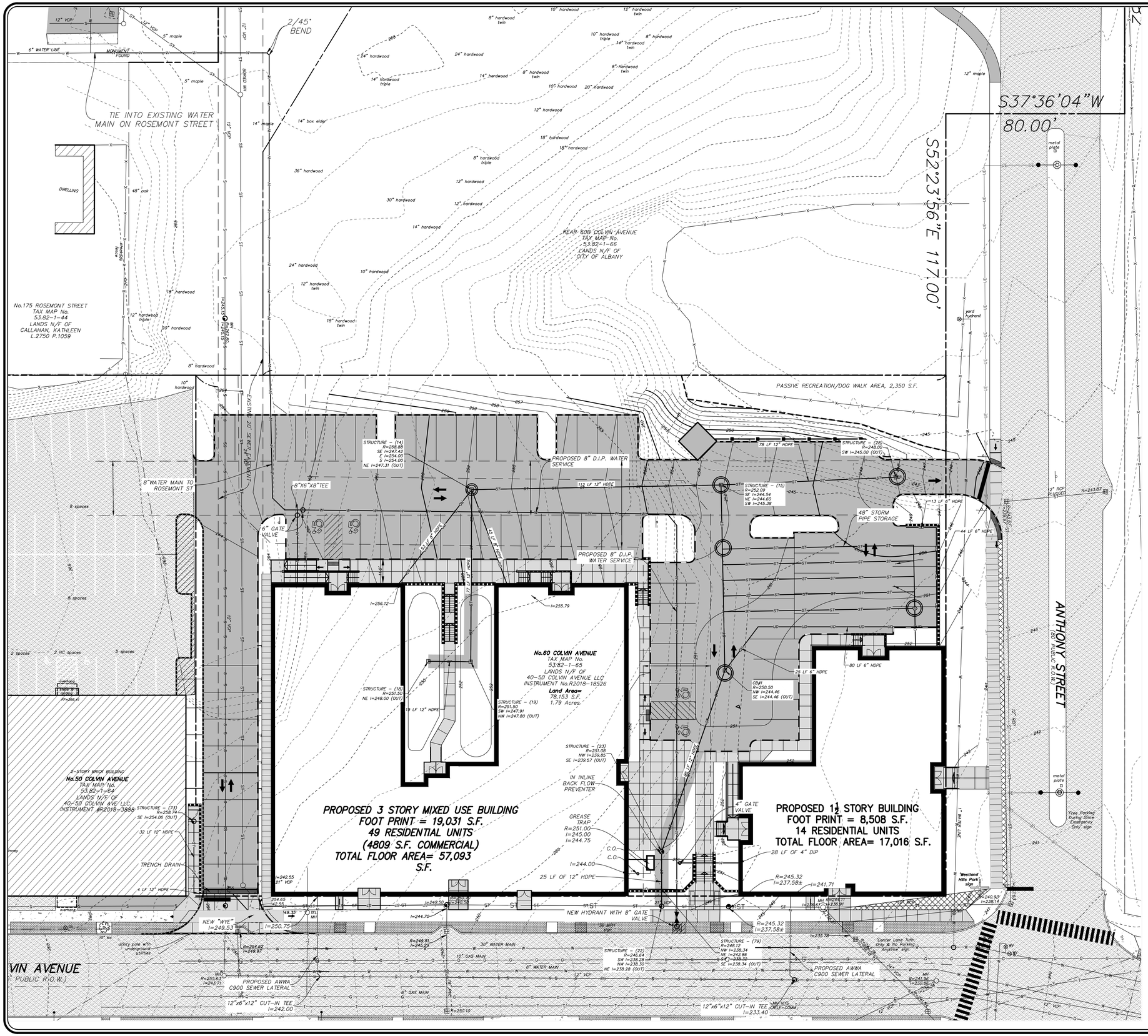
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STATE OF NEW YORK DANIEL R. HERSHBERG LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR 044226

REVISIONS		
REMARKS	DATE	
JANUARY 23, 2019 REVIEW MEMO	6/28/20	
RESPONSE REVISIONS	8/4/20	
RESPONSE REVISIONS	11/3/20	
BUILDING REVISIONS	11/29/20	

SITE PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 190162 | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 6/19/2020 | 190162-6.DWG



LEGEND

R.O.W.	RIGHT OF WAY	⊡	MONUMENT
No.	NUMBER	○	IRON ROD
enc.	ENCROACHMENT	MH ○	MANHOLE
P.O.B.	POINT OF BEGINNING	⊞	CATCHBASIN
S.F.	SQUARE FEET	▭	SIGN
N/F	NOW OR FORMERLY	•	BOLLARD
Ft.	FEET	—x—	FENCE LINE
Deg.	DEGREE		GUARD RAIL
R	RECORD	—o—	OVERHEAD WIRE, UTILITY POLE & GUY WIRE
M	MEASURED		TRAFFIC FLOW ACCESS AREA
N	NORTH	WS	WATER SHUT OFF
S	SOUTH	⊗ WV	WATER VALVE
E	EAST		HYDRANT
W	WEST	⊗ GV	GAS VALVE
tel.	TELEPHONE	—○—	STREET LIGHT
elec.	ELECTRIC		LIGHT POLE
L.	LIBER		CONCRETE
P.	PAGE		PAVEMENT
	HANDICAPPED PARKING SPACE		
	PARKING METER		

PAVEMENT MARKINGS

- HANDICAPPED PARKING
- STOP BAR
- TRAFFIC FLOW MARKING

- EXIST. TREE LINE
- 280x90 FINISH GRADE SPOT ELEVATION
- PROPOSED BUILDING
- PROPOSED CURB / PROPOSED RETAINING WALL
- PROPOSED PAVEMENT
- PROPOSED SIDEWALK AND HANDICAPPED RAMP DETECTABLE SURFACE
- PROPOSED CONCRETE PAVEMENT

- U/T — EXISTING TELEPHONE
- 199 / 200 — EXISTING CONTOURS
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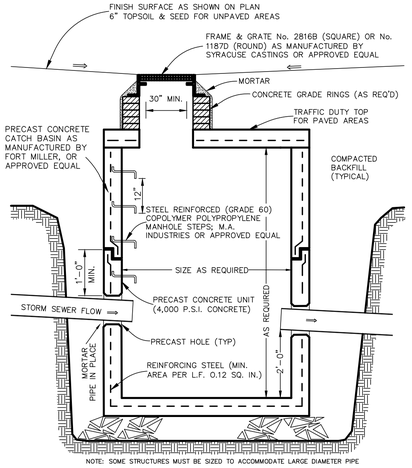
STATE OF NEW YORK — DANIEL R. HERSHBERG — LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR — 044226

REMARKS	DATE
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RESPONSE REVISIONS	11/3/20
BUILDING REVISIONS	11/29/20

REVISIONS

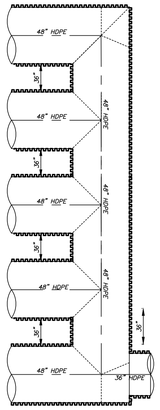
UTILITY PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

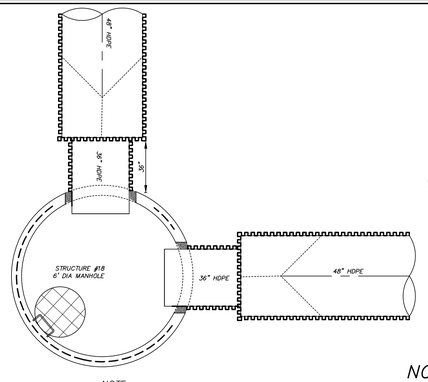
FILE: 190162 | SCALE: AS SHOWN | DFT: AS | CHK: DRH | DATE: 6/19/2020 | 190162-6.DWG



CATCH BASIN DETAIL

NOT TO SCALE



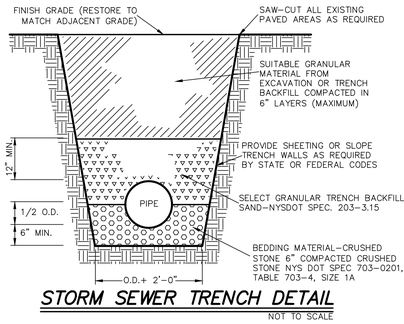


PLAN

DETENTION MANHOLE PIPE STORAGE DETAIL

NOT TO SCALE

NOTE:
SUBMIT SHOP DRAWINGS FOR APPROVAL



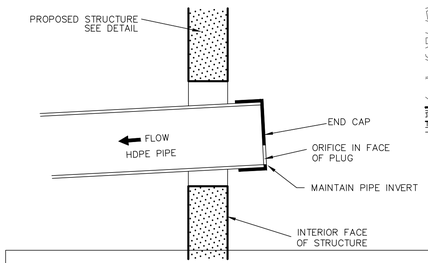
STORM SEWER TRENCH DETAIL

NOT TO SCALE

NOTE;
PRESSURE AND LEAKAGE TESTING OF THE WATER MAIN SHALL BE WITNESSED BY DEPARTMENT STAFF AND ACCEPTABLE BACTERIOLOGICAL TEST MUST BE SUBMITTED AND ACCEPTED BY THE DEPARTMENT PRIOR TO FINAL OF THE NEW WATER MAIN.

LEGEND

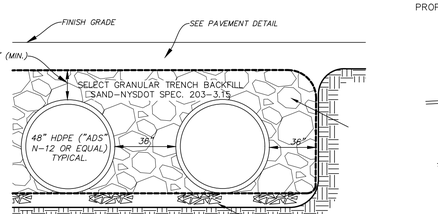
- PAVEMENT MARKINGS
- HANDICAPPED PARKING
- STOP BAR (STOP)
- TRAFFIC FLOW MARKING
- EXIST. TREE LINE
- FINISH GRADE SPOT ELEVATION (280x90)
- PROPOSED BUILDING
- PROPOSED CURB
- PROPOSED RETAINING WALL
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- ST — PROPOSED STORM SEWER
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- PROPOSED STORM MANHOLE



SEE DETENTION DETAIL FOR OUTLETS. SEE ORIFICE DETAILS (#15) (#17) (#18)

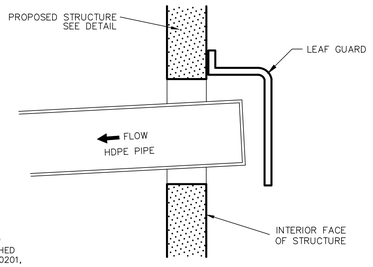
RESTRICTOR PLATE DETAIL

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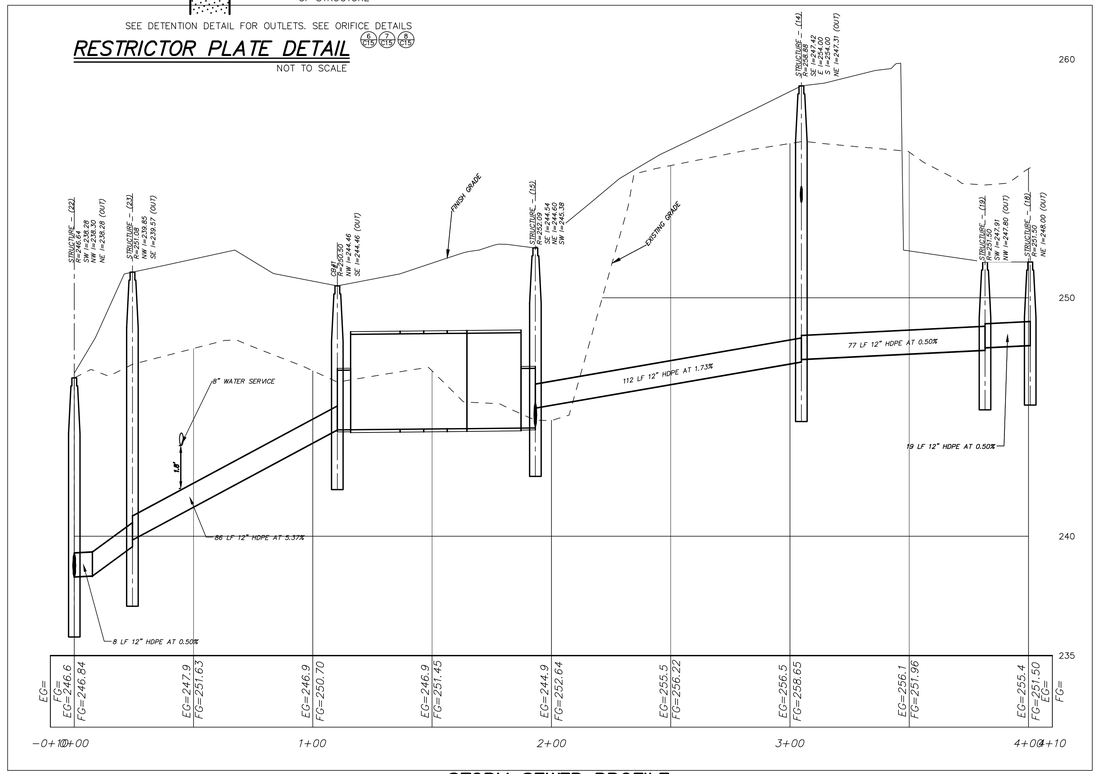
DETENTION GALLERY SECTION

NOT TO SCALE



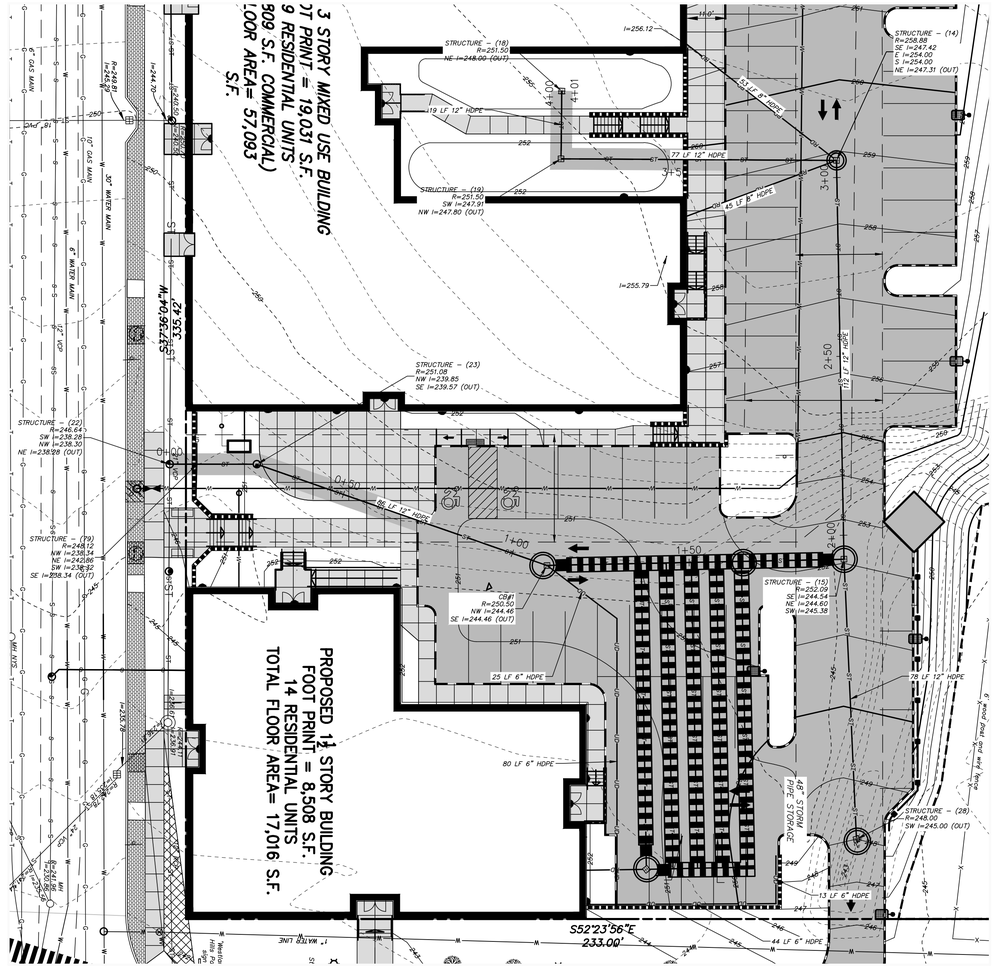
LEAF GUARD DETAIL

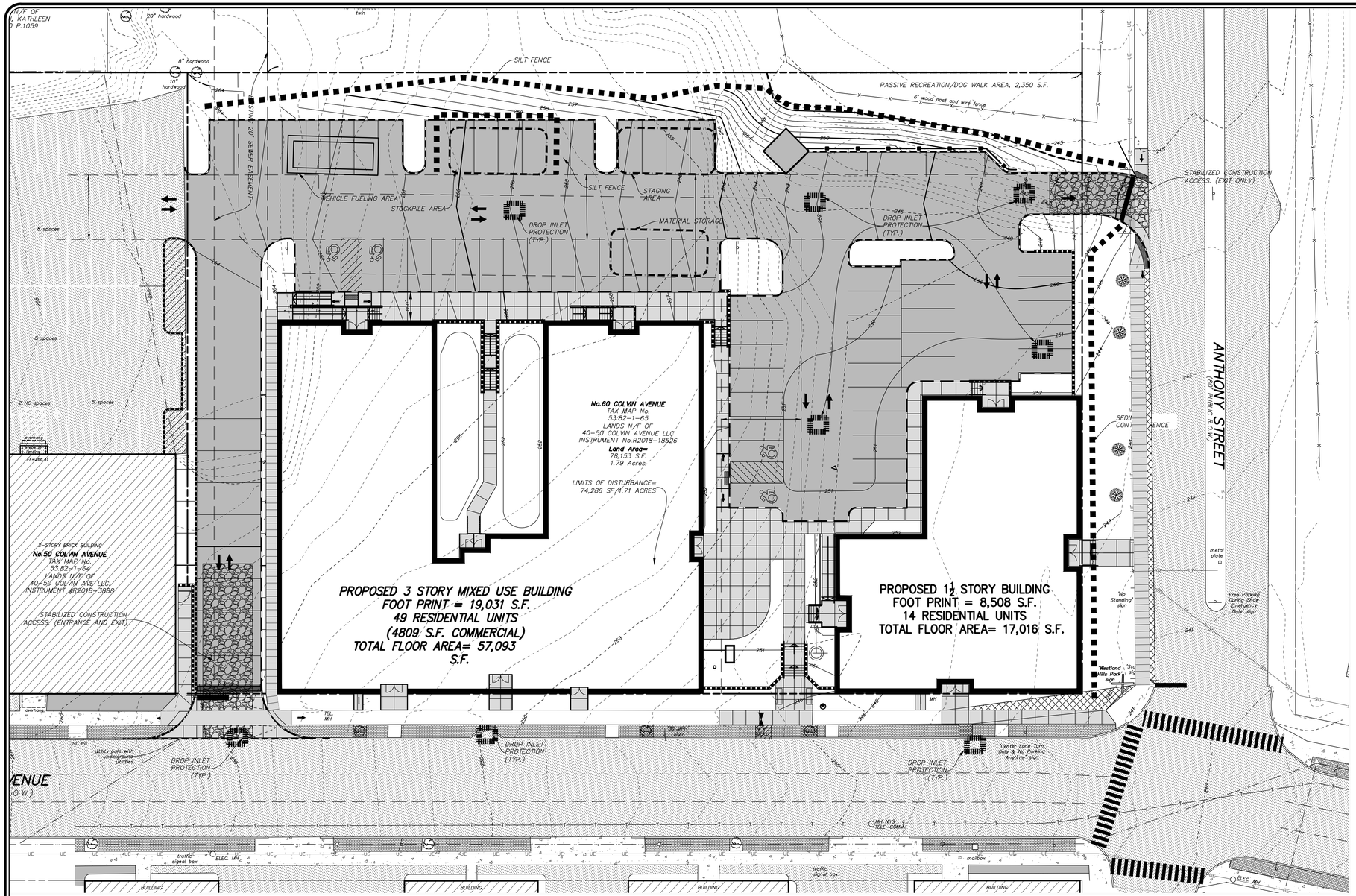
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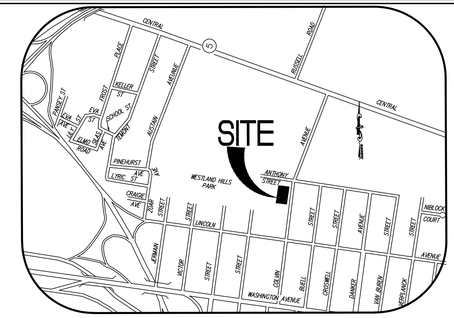


STORM SEWER PROFILE

SCALE: (H) 1"=30'
SCALE: (V) 1"=3'


3 STORY MIXED USE BUILDING
OT PRINT = 19,031 S.F.
9 RESIDENTIAL UNITS
909 S.F. COMMERCIAL)
LOOR AREA= 57,093 S.F.
PROPOSED 14 STORY BUILDING
FOOT PRINT = 8,508 S.F.
14 RESIDENTIAL UNITS
TOTAL FLOOR AREA= 17,016 S.F.
S32°36'04"W 335.42'
S52°23'56"E 233.00'
STRUCTURE - (18) R=248.00 NE I=248.00 (OUT)
STRUCTURE - (14) R=256.88 SE I=247.42 E I=254.00 S I=254.00 NE I=247.31 (OUT)
STRUCTURE - (19) R=251.50 SW I=247.91 NW I=247.80 (OUT)
STRUCTURE - (23) R=251.08 NW I=239.85 SE I=239.57 (OUT)
STRUCTURE - (22) R=246.64 SW I=238.26 NW I=238.30 NE I=238.26 (OUT)
STRUCTURE - (20) R=248.12 NW I=238.34 NE I=243.86 SW I=238.32 SE I=238.34 (OUT)
CB#1 R=250.50 NW I=244.46 SE I=244.46 (OUT)
STRUCTURE - (15) R=252.09 SE I=244.54 NE I=244.60 SW I=245.38
STRUCTURE - (28) R=248.00 SW I=245.00 (OUT)
19 LF 12" HDPE
77 LF 12" HDPE
112 LF 12" HDPE
80 LF 6" HDPE
25 LF 6" HDPE
13 LF 6" HDPE
44 LF 6" HDPE
75 LF 12" HDPE
8" WATER SERVICE
6" GAS MAIN
12" WATER MAIN
4" WATER MAIN
SAN MH
CB
I=256.12
I=255.79
I=255.79
I=256.70
I=256.70
I=256.70





SITE LOCATION NAP

NOT TO SCALE

LEGEND

PAVEMENT MARKINGS

- HANDICAPPED PARKING
- STOP BAR
- TRAFFIC FLOW MARKING
- EXIST. TREE LINE
- 280x90 FINISH GRADE SPOT ELEVATION
- PROPOSED BUILDING
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- PROPOSED RETAINING WALL
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- ST PROPOSED STORM SEWER
- RD PROPOSED ROOF DRAIN
- PROPOSED STORM MANHOLE
- PROPOSED STORM MANHOLE

EROSION AND SEDIMENT CONTROL NOTES

1. THIS PROJECT IS AUTHORIZED UNDER NYSDEC SPDES GENERAL PERMIT GP-0-15-002.

2. ANY CONTRACTOR INVOLVED IN EARTHWORK ACTIVITIES, INCLUDING BUT NOT LIMITED TO: CLEARING, GRADING AND TRENCHING, SHALL REVIEW ALL PERMIT CONDITIONS AND CERTIFY UNDERSTANDING OF THESE CONDITIONS, IN WRITING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL EROSION CONTROLS DESCRIBED IN GP-0-15-002, AND IT IS NOT THE INTENT OF THESE DRAWINGS TO REPLACE OR DISSEMINATE THE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH THE PERMIT AT ALL TIMES.

3. AT ALL TIMES SOIL DISTURBING ACTIVITIES SHALL REMAIN LESS THAN 1 ACRE. THE CONTRACTOR SHALL COORDINATE EARTHWORK ACTIVITIES AND IMPLEMENTATION OF SOIL STABILIZATION MEASURES TO ENSURE COMPLIANCE TO THIS PERMIT REQUIREMENT. THE SITE WILL BE MONITORED AT ALL TIMES TO ENSURE SOIL DISTURBANCE DOES NOT EXCEED 1 ACRE. IF THE SOIL DISTURBANCE EXCEEDS ONE ACRE AT ANY TIME, A STOP WORK ORDER WILL ISSUED UNTIL THE SITE RECEIVES COVERAGE UNDER SPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITY.

4. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION AND EQUIPMENT ENTRANCE WHENEVER PRACTICABLE.

5. DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OR SUSPENSION OF GRADING OPERATIONS.

6. INSTALL TEMPORARY & PERMANENT SEEDING IN ACCORDANCE WITH THE NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL STANDARD AND SPECIFICATION FOR TEMPORARY CONSTRUCTION AREA SEEDING AND FOR MULCHING:

STANDARD AND SPECIFICATIONS FOR TEMPORARY CONSTRUCTION AREA PLANTINGS, PAGE 4.58:
WATER MANAGEMENT PRACTICES MUST BE INSTALLED AS APPROPRIATE FOR SITE CONDITIONS. THE AREA MUST BE ROUGH GRADED AND SLOPES PHYSICALLY STABLE. LARGE DEBRIS AND ROCKS ARE USUALLY REMOVED. SEEDBED MUST BE SEEDED WITHIN 24 HOURS OF DISTURBANCE OR SCARIFICATION OF THE SOIL SURFACE WILL BE NECESSARY PRIOR TO SEEDING.

FERTILIZER OR LIME ARE NOT TYPICALLY USED FOR TEMPORARY SEEDINGS.

IF: SPRING OR SUMMER OR EARLY FALL, THEN SEED THE AREA WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE. (APPROXIMATELY 0.7 LB./1000 SQ. FT. OR USE 1 LB./1000 SQ. FT.)

IF: LATE FALL OR EARLY WINTER, THEN SEED CERTIFIED 'AROOSTOOK' WINTER RYE (CEREAL RYE) AT 1000 LBS. PER ACRE (2.5 LBS./1000 SQ. FT.).

ANY SEEDING METHOD MAY BE USED THAT WILL PROVIDE UNIFORM APPLICATION OF SEED TO THE AREA AND RESULT IN RELATIVELY GOOD SOIL TO SEED CONTACT.

MULCH THE AREA WITH HAY OR STRAW AT 2 TONS/ACRE (APPROX. 90 LBS./1000 SQ. FT. OR 2 BALES). QUALITY OF HAY OR STRAW MULCH ALLOWABLE WILL BE DETERMINED BASED ON LONG TERM USE AND VISUAL CONCERNS. MULCH ANCHORING WILL BE REQUIRED WHERE WIND OR AREAS OF CONCENTRATED WATER ARE OF CONCERN. WOOD FIBER HYDROMULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IF APPLIED ACCORDING TO MANUFACTURERS' SPECIFICATIONS. CAUTION IS ADVISED WHEN USING NYLON OR OTHER SYNTHETIC PRODUCTS. THEY MAY BE DIFFICULT TO REMOVE PRIOR TO FINAL SEEDING AND CAN BE A HAZARD TO YOUNG WILDLIFE SPECIES.

MULCH ANCHORING GUIDE – TABLE 4.3, PAGE 4.61:

TABLE 4.3
MULCH ANCHORING GUIDE

ANCHORING METHOD OR MATERIAL	KIND OF MULCH TO BE ANCHORED	HOW TO APPLY
PEG AND TWINE	HAY OR STRAW	AFTER MULCHING, DIVIDE AREAS INTO BLOCKS APPROXIMATELY 1 SQ. YD. IN SIZE. DRIVE 4–8 PEGS PER BLOCK TO WITHIN 2" TO 3" OF SOIL SURFACE. SECURE MULCH TO SURFACE BY STRETCHING TWINE BETWEEN PEGS IN CRISS–CROSS PATTERN ON SECURE TWINE AROUND EACH PEG WITH 2 OR MORE TIGHT TURNS. DRIVE PEGS FLUSH WITH SOIL. DRIVING STAKES INTO GROUND TIGHTENS THE TWINE.
MULCH NETTING	HAY OR STRAW	STAPLE THE LIGHT–WEIGHT PAPER, JUTE, WOOD FIBER, OR PLASTIC NETTINGS TO SOIL SURFACE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. SHOULD BE BIODEGRADABLE. MOST PRODUCTS ARE NOT SUITABLE FOR FOOT TRAFFIC.
WOOD CELLULOSE FIBER	HAY OR STRAW	APPLY WITH HYDROSEEDER IMMEDIATELY AFTER MULCHING. USE 500 LBS. WOOD FIBER PER ACRE. SOME PRODUCTS CONTAIN AN ADHESIVE MATERIAL ("TACKIFIER"), POSSIBLY ADVANTAGEOUS.
MULCH ANCHORING TOOL	HAY OR STRAW	APPLY MULCH AND PULL A MULCH ANCHORING TOOL (BLUNT, STRAIGHT DISCS) OVER MULCH AS NEAR TO THE CONTOUR AS POSSIBLE. MULCH MATERIAL SHOULD BE "TUCKED" INTO SOIL SURFACE ABOUT 3".
TACKIFIER	HAY OR STRAW	MIX AND APPLY POLYMERIC AND GUM TACKIFIERS ACCORDING TO MANUFACTURER'S INSTRUCTIONS. AVOID APPLICATION DURING RAIN. A 24–HOUR CURING PERIOD AND A SOIL TEMPERATURE HIGHER THAN 45° FAHRENHEIT ARE REQUIRED.

7. INSTALL PERMANENT RIP–RAP AT ALL PIPE END SECTIONS AT TIME OF INSTALLATION OF PIPE.

8. DURING EXCAVATION OF TEMPORARY SEDIMENT BASIN, FIELD VERIFY A MINIMUM OF 2' SEPARATION DISTANCE FROM GROUND WATER ELEVATION TO SURFACE SAND FILTERS WITH AN IMPERMEABLE BOTTOM AND 3' WITH A PERMEABLE BOTTOM. NOTIFY ENGINEER IMMEDIATELY IF THESE MINIMUM SEPARATION REQUIREMENTS DO NOT EXIST FOR ALTERNATIVE MEANS OF STORMWATER POLLUTION PREVENTION.

9. SEE REMAINDER OF PLANS FOR PERMANENT IMPROVEMENTS. PERMANENT IMPROVEMENTS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY.

10. PAVED AREAS ARE TO BE SWEPT DAILY TO REMOVE ANY SEDIMENT AND ALL NEWLY PAVED AREAS SHALL BE DIRECTED TO THE TEMPORARY OR FINAL SEDIMENT CONTROL BASINS.

MAGNETIC

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

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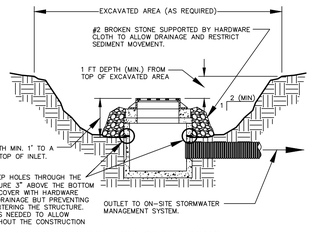
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REMARKS	DATE
JANUARY 23, 2019 REVIEW MEMO	6/29/20
RESPONSE REVISIONS	8/4/20
RESPONSE REVISIONS	11/3/20
BUILDING REVISIONS	11/29/20

REVISIONS

EROSION AND SEDIMENT CONTROL PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 19016Z | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 6/10/2020 | 19016Z-ESMP



CONSTRUCTION SPECIFICATIONS:

1. INSTALL INLET PROTECTION IN ACCORDANCE WITH THE JULY 2016 "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL".
2. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
3. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
4. WEEP HOLES SHALL BE PROTECTED BY 2"ø STONE OR GRAVEL.
5. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL EXCAVATION WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.
6. THE MAXIMUM DRAINAGE AREA SHALL BE 1 ACRE.

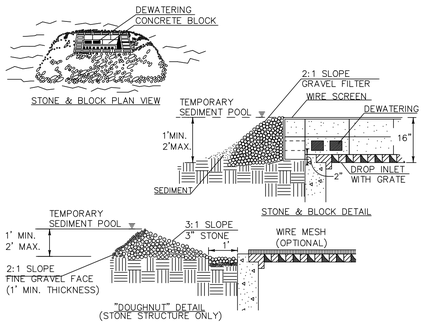
DESIGN CRITERIA:

LIMIT THE DRAINAGE AREA TO THE INLET DEVICE TO ONE (1) ACRE. EXCAVATED SIDE SLOPES SHALL BE NO STEEPER THEN 2:1. THE MINIMUM DEPTH SHALL BE 1 FOOT AND THE MAXIMUM DEPTH 2 FEET AS MEASURED FROM THE CREST OF THE INLET STRUCTURE. SHAPE THE EXCAVATED BASIN TO FIT CONDITIONS WITH THE LONGEST DIMENSION ORIENTATED TOWARD THE LONGEST INFLOW AREA TO PROVIDE MAXIMUM TRAP EFFICIENCY. THE CAPACITY OF THE EXCAVATED BASIN SHOULD BE ESTABLISHED TO CONTAIN 900 CUBIC FEET PER ACRE OF DISTURBED AREA. WEEP HOLES, PROTECTED BY FABRIC AND STONE, SHOULD BE PROVIDED FOR DRAINING THE TEMPORARY POOL.

INSPECT AND CLEAN THE EXCAVATED BASIN AFTER EVERY STORM. SEDIMENT SHOULD BE REMOVED WHEN 50 PERCENT OF THE STORAGE VOLUME IS ACHIEVED. THIS MATERIAL SHOULD BE INCORPORATED INTO THE SITE IN A STABILIZED MANNER.

EXCAVATED DROP INLET PROTECTION

NOT TO SCALE

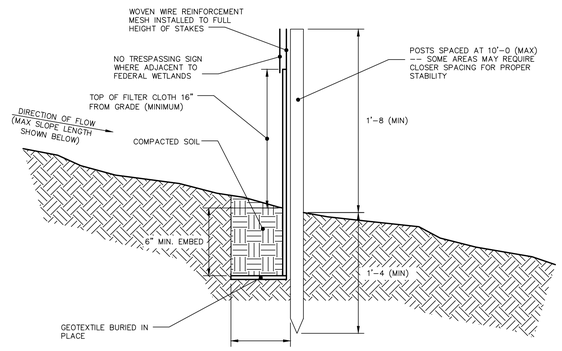


CONSTRUCTION SPECIFICATIONS

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2" MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2"– 3/4" IN DIAMETER PLACED 2" BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1' THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3" STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE

STONE AND BLOCK DROP INLET PROTECTION DETAIL

NOT TO SCALE



MAXIMUM ALLOWABLE SLOPE LENGTH

MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SECTION OF SILT FENCE SHALL BE AS FOLLOWS:

SLOPE STEEPNESS:	MAX. SLOPE LENGTH:
1:2	25 FT
1:3	50 FT
1:4	75 FT
1:5 OR FLATTER	100 FT

NOTE: MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO SILT FENCE SECTION SHALL NOT EXCEED 1/4 ACRE PER 100 FT OF FENCE. CONCENTRATED DISCHARGE OF SEDIMENT LADEN WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY TO THE FENCING.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

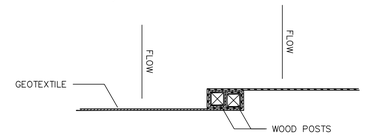
1. INSTALL SILT FENCE IN ACCORDANCE WITH "THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
2. WOVEN WIRE FENCE SHALL BE 12 1/2 GA., 6" MAXIMUM MESH OPENING, FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
3. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE WRAPPED TOGETHER PER SILT FENCE JOINT DETAIL ON THIS SHEET.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN ACCUMULATION REACHES 1/2 OF DESIGN CAPACITY OF FENCE (1/2 HEIGHT OF FILTER FABRIC) OR WHEN "BULGES" DEVELOP IN FENCING.

POSTS: STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD

FENCE: WOVEN WIRE, 12 1/2 GA. 6" MAX. MESH OPENING

FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

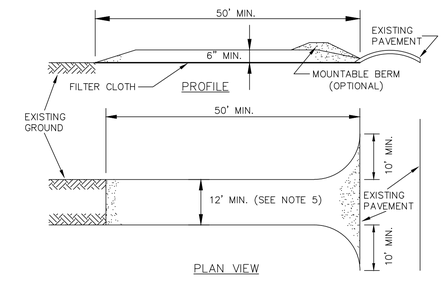


WRAP ENDS OF SILT FENCE SECTIONS TOGETHER TO PREVENT FLOW OF SEDIMENT BETWEEN SECTIONS

SILT FENCE JOINT DETAIL

SILT FENCE DETAIL

NOT TO SCALE

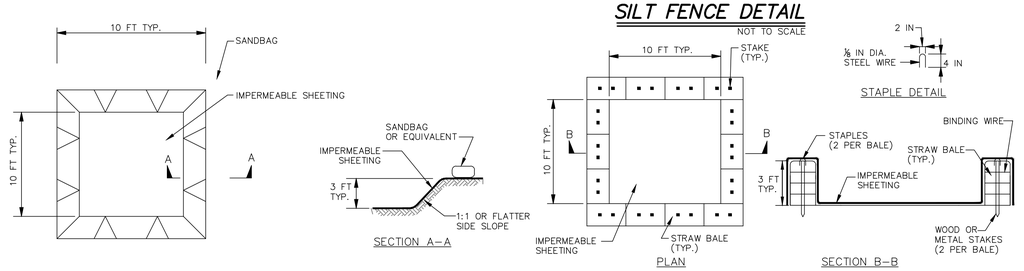


CONSTRUCTION SPECIFICATIONS:

1. INSTALL CONSTRUCTION ACCESS IN ACCORDANCE WITH "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
2. STONE SIZE –USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
3. LENGTH – NOT LESS THAN 50 FEET ‡EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
4. THICKNESS– NOT LESS THAN (6) INCHES.
5. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. IF CONSTRUCTED AS THE ONLY ENTRANCE TO THE SITE, WIDTH SHALL BE TWENTY–FOUR (24) FEET.
5. STABILIZATION FABRIC – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING DR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. ALL SEDIMENT SPILLED, DROPPED. WASHED OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS ONTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ACCESS DETAIL

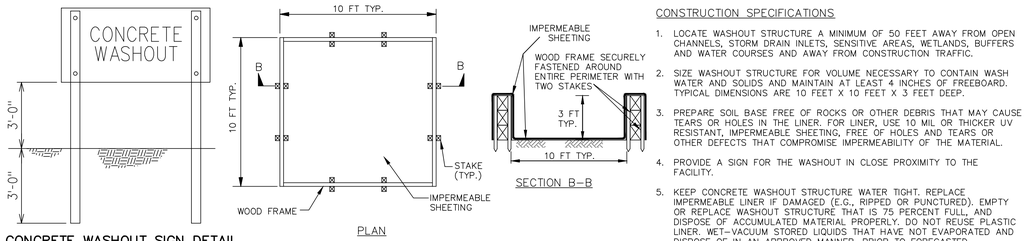
NOT TO SCALE



EXCAVATED WASHOUT STRUCTURE

NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

WASHOUT STRUCTURE WITH STRAW BALES



CONCRETE WASHOUT SIGN DETAIL
(OR EQUIVALENT)

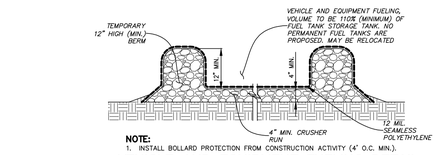
WASHOUT STRUCTURE WITH WOOD PLANKS

CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET–VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

ONSITE CONCRETE TRUCK WASHOUT STRUCTURE DETAIL

NOT TO SCALE



NOTE:
1. INSTALL BOLLARD PROTECTION FROM CONSTRUCTION ACTIVITY (4' O.C. MIN.).

VEHICLE AND EQUIPMENT FUELING DETAIL

NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES

1. THIS PROJECT IS AUTHORIZED UNDER NYSDEC SPDES GENERAL PERMIT GP–0–15–002.
2. ANY CONTRACTOR INVOLVED IN EARTHWORK ACTIVITIES, INCLUDING BUT NOT LIMITED TO: CLEARING, GRADING AND TRENCHING, SHALL REVIEW ALL PERMIT CONDITIONS AND CERTIFY UNDERSTANDING OF THESE CONDITIONS, IN WRITING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL EROSION CONTROLS DESCRIBED IN GP–0–15–002, AND IT IS NOT THE INTENT OF THESE DRAWINGS TO REPLACE OR DISSEMINATE THE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH THE PERMIT AT ALL TIMES.
3. AT ALL TIMES SOIL DISTURBING ACTIVITIES SHALL REMAIN LESS THAN 1 ACRE. THE CONTRACTOR SHALL COORDINATE EARTHWORK ACTIVITIES AND IMPLEMENTATION OF SOIL STABILIZATION MEASURES TO ENSURE COMPLIANCE TO THIS PERMIT REQUIREMENT. THE SITE WILL BE MONITORED AT ALL TIMES TO ENSURE SOIL DISTURBANCE DOES NOT EXCEED 1 ACRE. IF THE SOIL DISTURBANCE EXCEEDS ONE ACRE AT ANY TIME, A STOP WORK ORDER WILL ISSUED UNTIL THE SITE RECEIVES COVERAGE UNDER SPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITY.
4. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION AND EQUIPMENT ENTRANCE WHENEVER PRACTICABLE.
5. DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OR SUSPENSION OF GRADING OPERATIONS.
6. INSTALL TEMPORARY & PERMANENT SEEDING IN ACCORDANCE WITH THE NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL STANDARD AND SPECIFICATION FOR TEMPORARY CONSTRUCTION AREA SEEDING AND FOR MULCHING:

STANDARD AND SPECIFICATIONS FOR TEMPORARY CONSTRUCTION AREA PLANTINGS, PAGE 4.58:
WATER MANAGEMENT PRACTICES MUST BE INSTALLED AS APPROPRIATE FOR SITE CONDITIONS. THE AREA MUST BE ROUGH GRADED AND SLOPES PHYSICALLY STABLE. LARGE DEBRIS AND ROCKS ARE USUALLY REMOVED. SEEDBED MUST BE SEEDED WITHIN 24 HOURS OF DISTURBANCE OR SCARIFICATION OF THE SOIL SURFACE WILL BE NECESSARY PRIOR TO SEEDING.

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MULCH ANCHORING GUIDE – TABLE 4.3, PAGE 4.41:

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TACKIFIER	HAY OR STRAW	MIX AND APPLY POLYMERIC AND GUM TACKIFIERS ACCORDING TO MANUFACTURER'S INSTRUCTIONS. AVOID APPLICATION DURING RAIN. A 24–HOUR CURING PERIOD AND A SOIL TEMPERATURE HIGHER THAN 45° FAHRENHEIT ARE REQUIRED.

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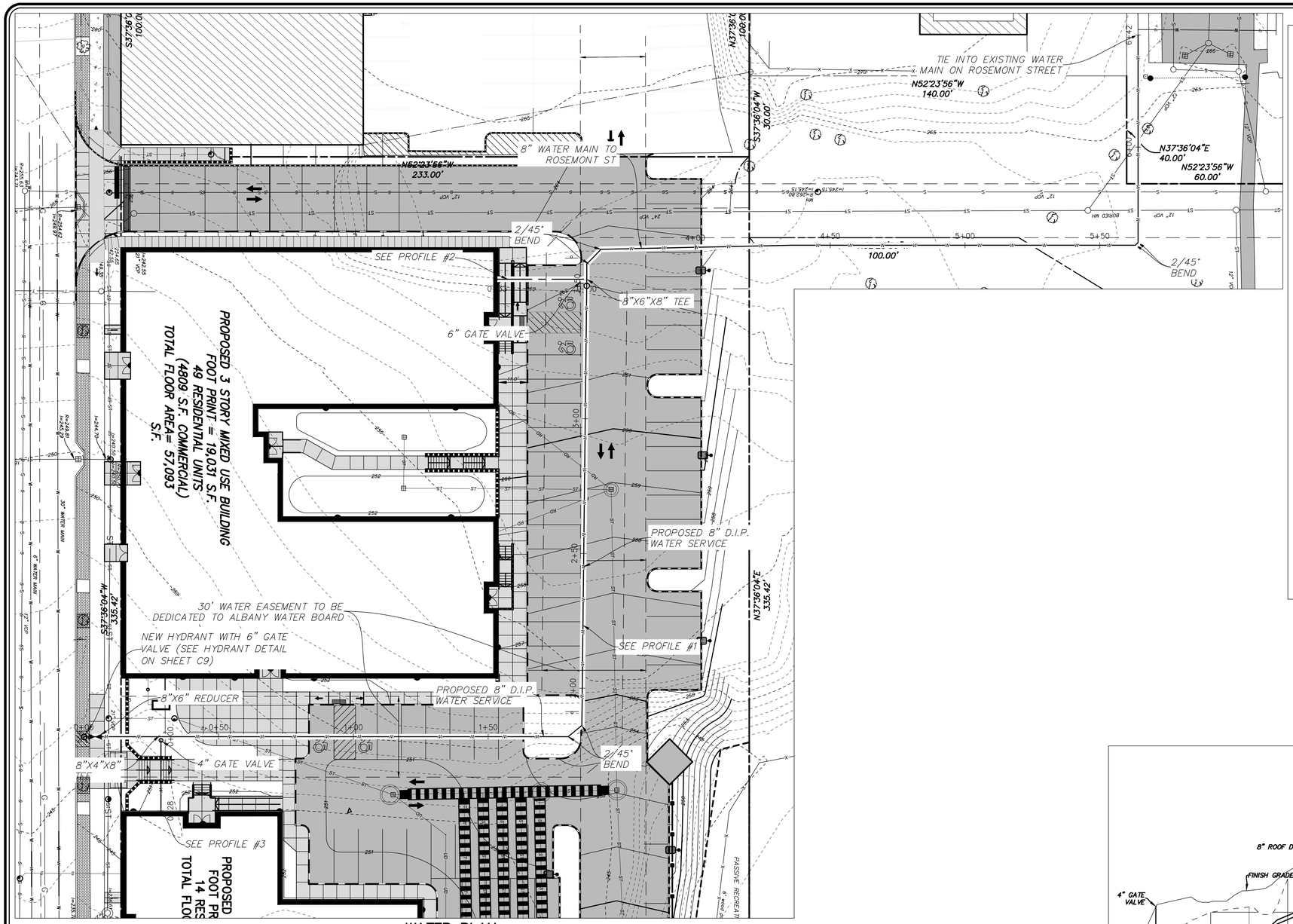
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STATE OF NEW YORK
DANIEL R. HERSHBERG
044226
LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR

REVISIONS	DATE
JANUARY 23, 2019 REVIEW MEMO	6/29/20
RESPONSE REVISIONS	8/4/20

EROSION AND SEDIMENT CONTROL DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 19016Z | SCALE: AS SHOWN | DFT: AS | CHK: DRH | DATE: 6/19/2020 | 19016Z–6.DWG



WATER PLAN

SCALE: 1"=20'

GRAPHIC SCALE

20 0 10 20 40 80

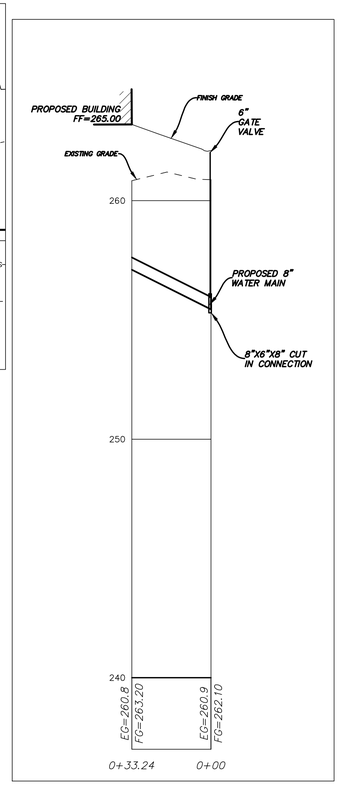
(IN FEET)
1 inch = 20 ft.

LEGEND

- PAVEMENT MARKINGS
- HANDICAPPED PARKING
- STOP BAR
- STOP
- TRAFFIC FLOW MARKING
- EXIST. TREE LINE
- 280x90 FINISH GRADE SPOT ELEVATION
- PROPOSED BUILDING
- PROPOSED CURB
- PROPOSED RETAINING WALL
- PROPOSED PAVEMENT
- PROPOSED SIDEWALK AND HANDICAPPED RAMP — DETECTABLE SURFACE
- PROPOSED CONCRETE PAVEMENT
- U/T — EXISTING TELEPHONE
- 199 / 200 — EXISTING CONTOURS
- W — EXISTING WATER MAIN
- EXISTING HYDRANT
- S — EXISTING SEWER MAIN
- MH EXISTING MANHOLE
- W — EXISTING WATER MAIN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING OVERHEAD WIRE
- BUILDING MOUNTED LIGHTS
- LIGHT POLE
- BOLLARD LIGHT
- 199 — PROPOSED CONTOURS
- 200 — PROPOSED CONTOURS
- W — PROPOSED WATER MAIN
- PROPOSED HYDRANT & VALVE
- S — PROPOSED SAN. SEWER
- ST — PROPOSED STORM SEWER
- RD — PROPOSED ROOF DRAIN
- PROPOSED STORM MANHOLE
- PROPOSED STORM MANHOLE

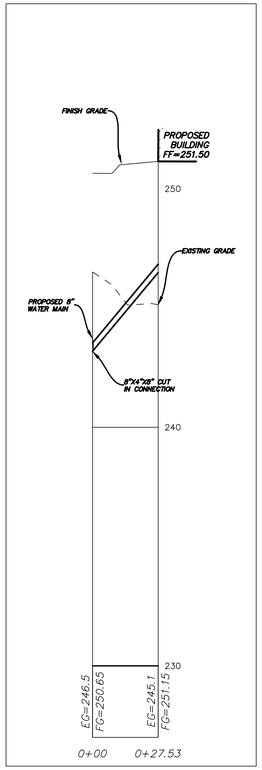
NOTES:
PRESSURE AND LEAKAGE TESTING OF THE WATER MAIN SHALL BE WITNESSED BY DEPARTMENT STAFF AND ACCEPTABLE BACTERIOLOGICAL TEST MUST BE SUBMITTED AND ACCEPTED BY THE DEPARTMENT PRIOR TO FINAL APPROVAL OF THE NEW WATER MAIN.

WATER MAINS SHALL BE WRAPPED WITH V-BIO WRAP BY USD PIPE OR APPROVED EQUAL.



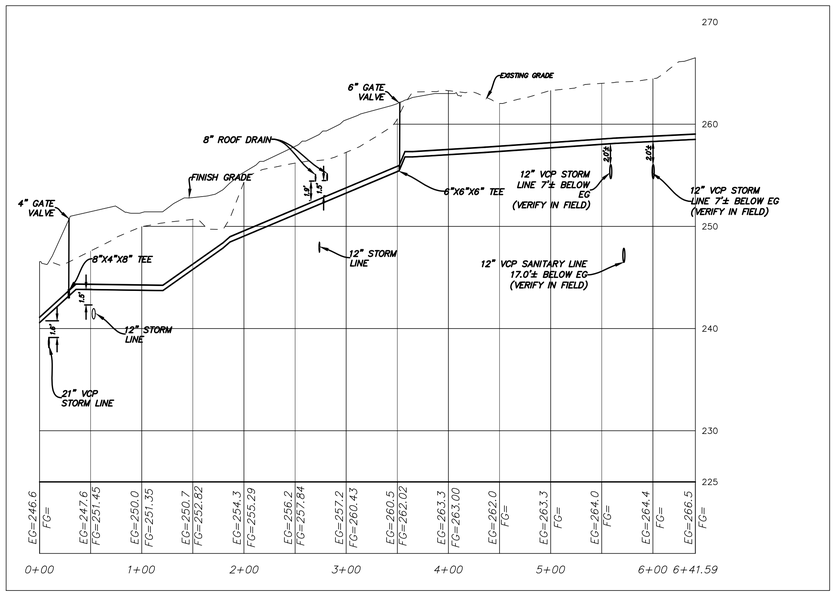
WATER SERVICE PROFILE #2

SCALE: (V) 1"=3' SCALE: (H) 1"=30'



WATER SERVICE PROFILE #3

SCALE: (V) 1"=3' SCALE: (H) 1"=30'



WATER SERVICE PROFILE #1

SCALE: (V) 1"=7' SCALE: (H) 1"=70'

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

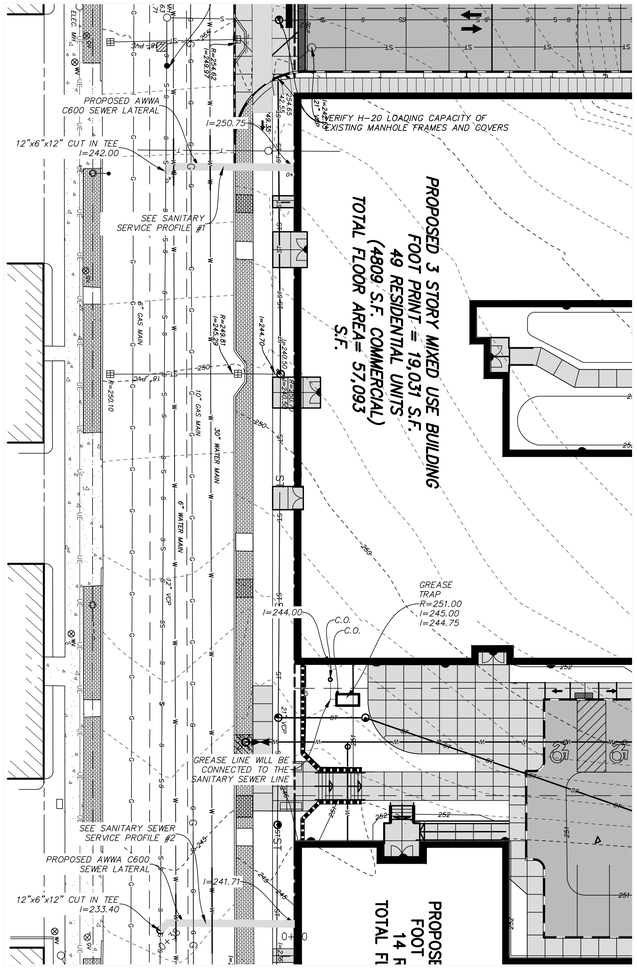
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STATE OF NEW YORK — DANIEL R. HERSHBERG — 044226 — LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR

REVISIONS	DATE
JANUARY 23, 2019 REVIEW MEMO	6/29/20
RESPONSE REVISIONS	8/4/20
RESPONSE REVISIONS	11/3/20
BUILDING REVISIONS	11/29/20

WATER PLAN FOR
60 COLVIN AVENUE
ALBANY, NEW YORK

DRAWN: BT: AS | SCALE: AS SHOWN | CHK: DRH | DATE: 6/19/2020 | FILE: 190162 | 190162-6.DWG



SANITARY SEWER PLAN

SCALE: 1"=20'

GRAPHIC SCALE

20 0 10 20 40 80

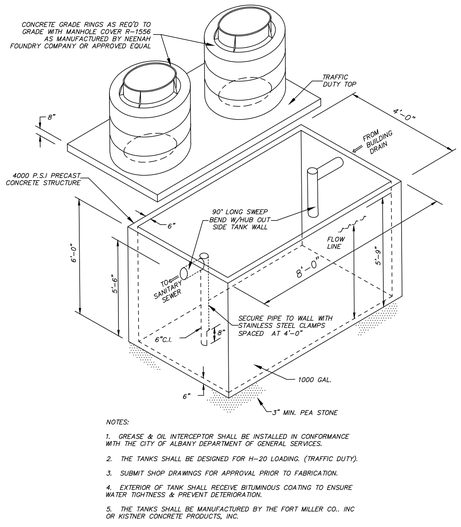
(IN FEET)

1 inch = 20 ft.

NOTE:
PROVIDE TEST PITS PRIOR TO UTILITY INSTALLATION.

LEGEND

- PAVEMENT MARKINGS
- HANDICAPPED PARKING
- STOP BAR
- TRAFFIC FLOW MARKING
- EXIST. TREE LINE
- 280x90 FINISH GRADE SPOT ELEVATION
- PROPOSED BUILDING
- PROPOSED CURB
- PROPOSED RETAINING WALL
- PROPOSED PAVEMENT
- PROPOSED SIDEWALK AND HANDICAPPED RAMP DETECTABLE SURFACE
- PROPOSED CONCRETE PAVEMENT
- U/T EXISTING TELEPHONE
- 199 / 200 EXISTING CONTOURS
- W EXISTING WATER MAIN
- EXISTING HYDRANT
- S EXISTING SEWER MAIN
- MH EXISTING MANHOLE
- W EXISTING WATER MAIN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING OVERHEAD WIRE
- BUILDING MOUNTED LIGHTS
- LIGHT POLE
- BOLLARD LIGHT
- 199 PROPOSED CONTOURS
- 200 PROPOSED CONTOURS
- W PROPOSED WATER MAIN
- PROPOSED HYDRANT & VALVE
- S PROPOSED SAN. SEWER
- ST PROPOSED STORM SEWER
- RD PROPOSED ROOF DRAIN
- PROPOSED STORM MANHOLE
- PROPOSED STORM MANHOLE

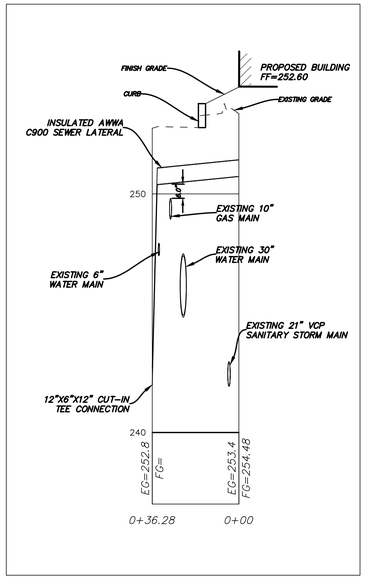


NOTES:

1. GREASE & OIL INTERCEPTOR SHALL BE INSTALLED IN CONFORMANCE WITH THE CITY OF ALBANY DEPARTMENT OF GENERAL SERVICES.
2. THE TANKS SHALL BE DESIGNED FOR H-20 LOADING. (TRAFFIC DUTY).
3. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.
4. EXTERIOR OF TANK SHALL RECEIVE BITUMINOUS COATING TO ENSURE WATER TIGHTNESS & PREVENT DETERIORATION.
5. THE TANKS SHALL BE MANUFACTURED BY THE FORT MILLER CO., INC OR KISTNER CONCRETE PRODUCTS, INC.

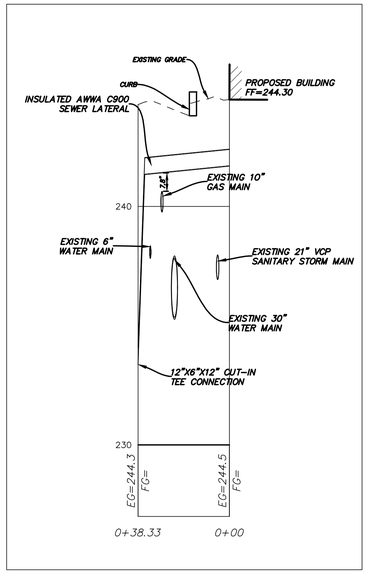
GREASE & OIL INTERCEPTOR DETAIL

NOT TO SCALE



SANITARY SEWER SERVICE PROFILE #1

SCALE: (V) 1"=3' SCALE: (H) 1"=30'



SANITARY SEWER SERVICE PROFILE #2

SCALE: (V) 1"=3' SCALE: (H) 1"=30'

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

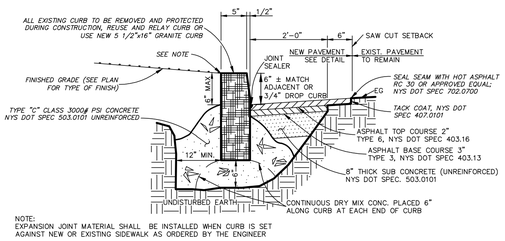
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STATE OF NEW YORK DANIEL R. HERSHBERG 044226 LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR

REVISIONS		
REMARKS	DATE	
JANUARY 23, 2019 REVIEW MEMO	6/29/20	
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RESPONSE REVISIONS	11/3/20	
BUILDING REVISIONS	11/29/20	

SEWER PLAN AND DETAILS FOR 60 COLVIN AVENUE ALBANY, NEW YORK

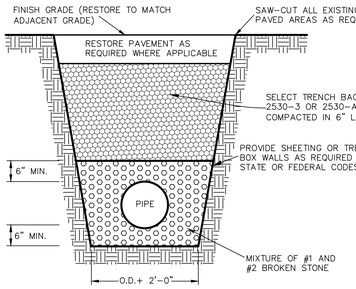
FILE: 190162 | SCALE: AS SHOWN | DIR: AS | CHK: DRH | DATE: 6/19/2020 | 190162-6.DWG



NOTE:
EXPANSION JOINT MATERIAL SHALL BE INSTALLED WHEN CURB IS SET AGAINST NEW OR EXISTING SIDEWALK AS ORDERED BY THE ENGINEER

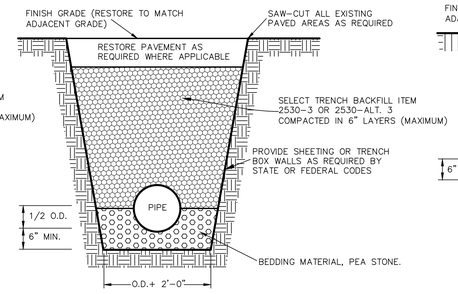
NEW OR RELAY CURB DETAIL (CITY R.O.W.)

NOT TO SCALE



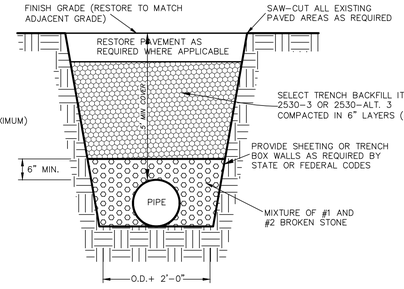
TYPICAL SANITARY SEWER TRENCH DETAIL

NOT TO SCALE



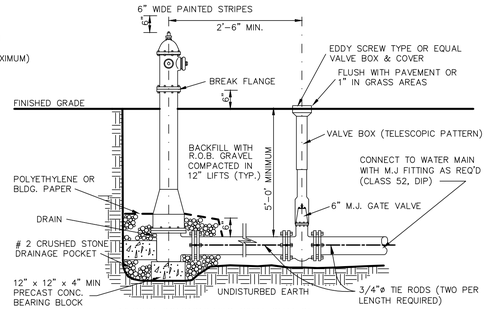
TYPICAL STORM SEWER TRENCH DETAIL

NOT TO SCALE



TYPICAL WATER PIPE TRENCH DETAIL

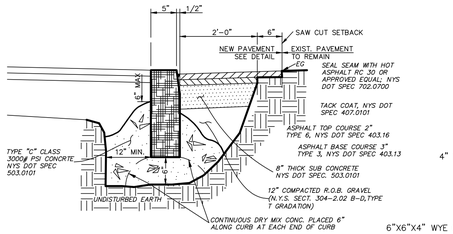
NOT TO SCALE



VERIFY COMPONENTS WITH CITY OF ALBANY DEPARTMENT OF WATER AND WATER SUPPLY PRIOR TO INSTALLATION.

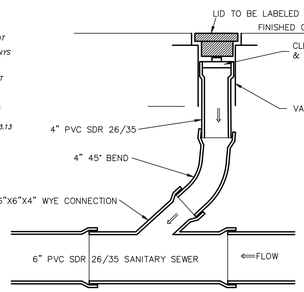
TYPICAL HYDRANT DETAIL

NOT TO SCALE



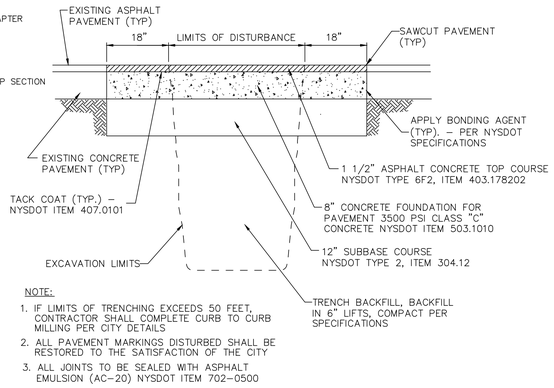
GRANITE DROP CURB DETAIL

NOT TO SCALE



IN LINE CLEANOUT DETAIL

NOT TO SCALE

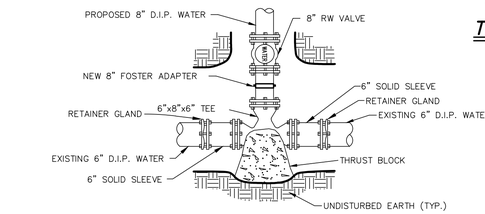


NOTE:

1. IF LIMITS OF TRENCHING EXCEEDS 50 FEET, CONTRACTOR SHALL COMPLETE CURB TO CURB MILLING PER CITY DETAILS
2. ALL PAVEMENT MARKINGS DISTURBED SHALL BE RESTORED TO THE SATISFACTION OF THE CITY
3. ALL JOINTS TO BE SEALED WITH ASPHALT EMULSION (AC-20) NYSDOT ITEM 702-0500

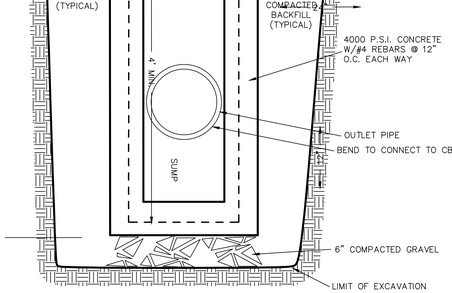
STREET RESTORATION CONCRETE PAVEMENT DETAIL SR-2

NOT TO SCALE



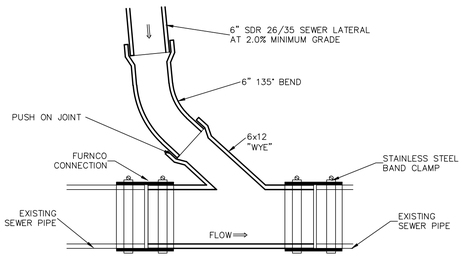
CUT IN TEE DETAIL

NOT TO SCALE



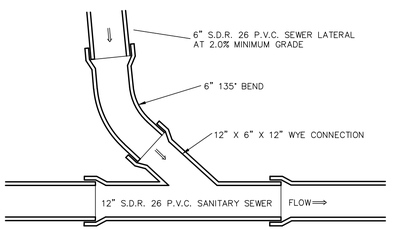
DRAINAGE TRENCH DETAIL

NOT TO SCALE



PLAN SECTION WYE CONNECTION DETAIL

NOT TO SCALE



PLAN SECTION WYE CONNECTION DETAIL

NOT TO SCALE

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Consulting Engineers and Land Surveyors
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Albany, New York 12203

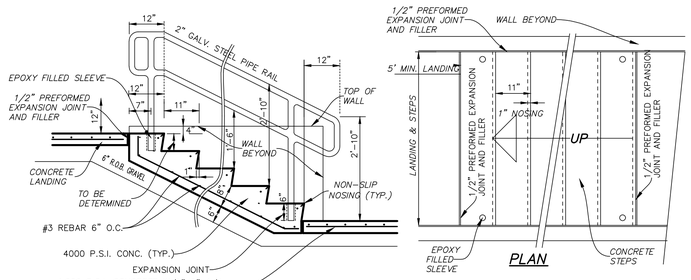
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STATE OF NEW YORK — DANIEL R. HERSHBERG — 044226 — PROFESSIONAL ENGINEER & LAND SURVEYOR

REVISIONS		
REMARKS	DATE	
JANUARY 23, 2019 REVIEW MEMO	6/29/20	
RESPONSE REVISIONS	8/4/20	

DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 190162
SCALE: AS SHOWN
BY: AS
CHK: DRH
DATE: 6/19/2020
190162-ILDWG



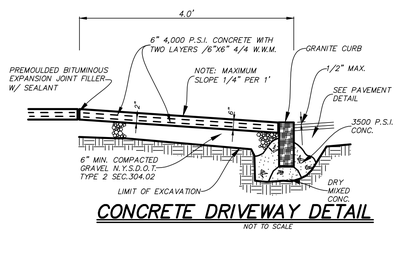
LONGITUDINAL SECTION

PLAN

CONCRETE STEPS & RAIL DETAIL

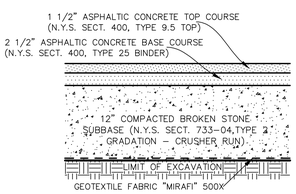
NOT TO SCALE

STEP NOTES:
1. ALL CONCRETE SHALL BE 4,000 P.S.I.
2. PROVIDE A DURABLE NON SLIP NOSING WITH ANCHOR STRAPS AT ALL STEPS
3. RAIL TO BE SET IN A GALVANIZED STEEL SLEEVE WITH EPOXY FILLER
4. PROVIDE A 3/4" CHAMFER AT ALL EXPOSED CORNERS
5. TREADS TO RECEIVE A LIGHT BROOM FINISH. ALL OTHER EXPOSED SURFACES SHALL RECEIVE A HAND RUB FINISH
6. SUBMIT SHOP DRAWINGS FOR ALL MATERIALS TO BE USED AT STEPS FOR APPROVAL
7. ALL HANDRAILS SHALL BE FINISHED WITH 1 COAT RUSTPROOF & 2 COATS OF EXTERIOR BASE ENAMEL, COMPATIBLE WITH GALVANIZED COATING. COLOR TO BE SELECTED BY THE ARCHITECT.
8. GRAVEL – 6", NYSDOT STANDARD SPECIFICATIONS 304-2.02A, TYPE 4, ITEM NO. 304.05
9. NON-SLIP STAIR NOSING STYLE AX 3" WIDE, NICKEL BRONZE, AS MANUFACTURED BY SAFE T METAL COMPANY, INC.



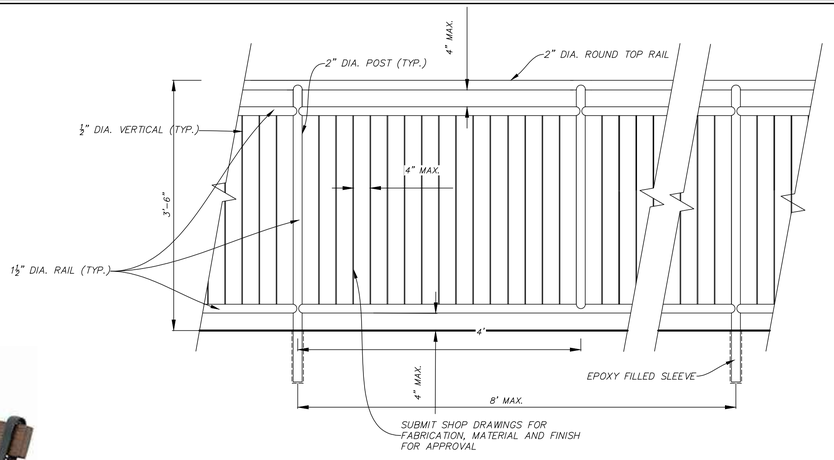
CONCRETE DRIVEWAY DETAIL

NOT TO SCALE



PAVEMENT DETAIL

NOT TO SCALE



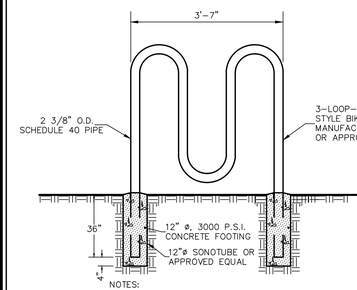
FALL PROTECTION RAILING

NOT TO SCALE



4' LONG BN-151

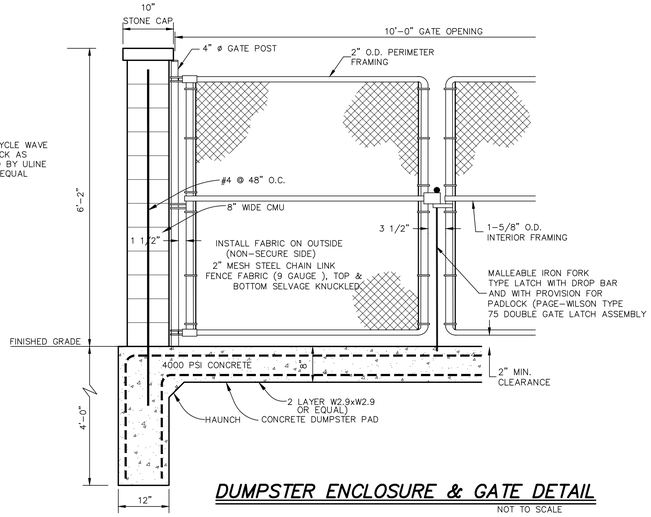
NOT TO SCALE



NOTES:
1. FINISH TO BE SELECTED BY ARCHITECT
2. SUBMIT SHOP DRAWINGS FOR APPROVAL

BICYCLE LOOP RACK DETAIL

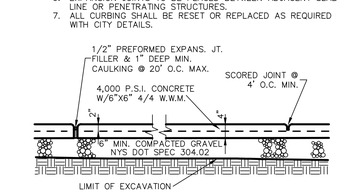
NOT TO SCALE



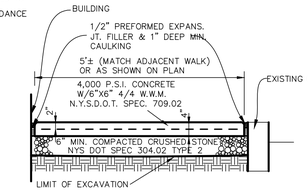
DUMPSTER ENCLOSURE & GATE DETAIL

NOT TO SCALE

NOTES:
1. SIDEWALK SLOPE FROM BUILDING WALL TO CURB TO BE 1/8" PER FOOT
2. SIDEWALK FINISH TO BE MAGNESIUM FLOAT FINISH
3. CONCRETE WALK TO CONFORM TO CITY OF ALBANY ENGINEERING SPECIFICATIONS
4. CONCRETE USED SHALL HAVE AN AIR CONTENT OF 5% MIN. TO 7% MAX., AND A SLUMP OF THREE INCHES MIN. TO FIVE INCHES MAX.
5. ALL CONCRETE SIDEWALK REPLACEMENT SHALL BE TO FULL PANEL LIMITS. PARTIAL REPLACEMENTS WILL NOT BE ALLOWED.
6. EXPANSION JOINTS TO BE PLACED BETWEEN ADJACENT SLABS, AT BUILDING LINE OR PENETRATING STRUCTURES.
7. ALL CURBING SHALL BE RESET OR REPLACED AS REQUIRED IN ACCORDANCE WITH CITY DETAILS.



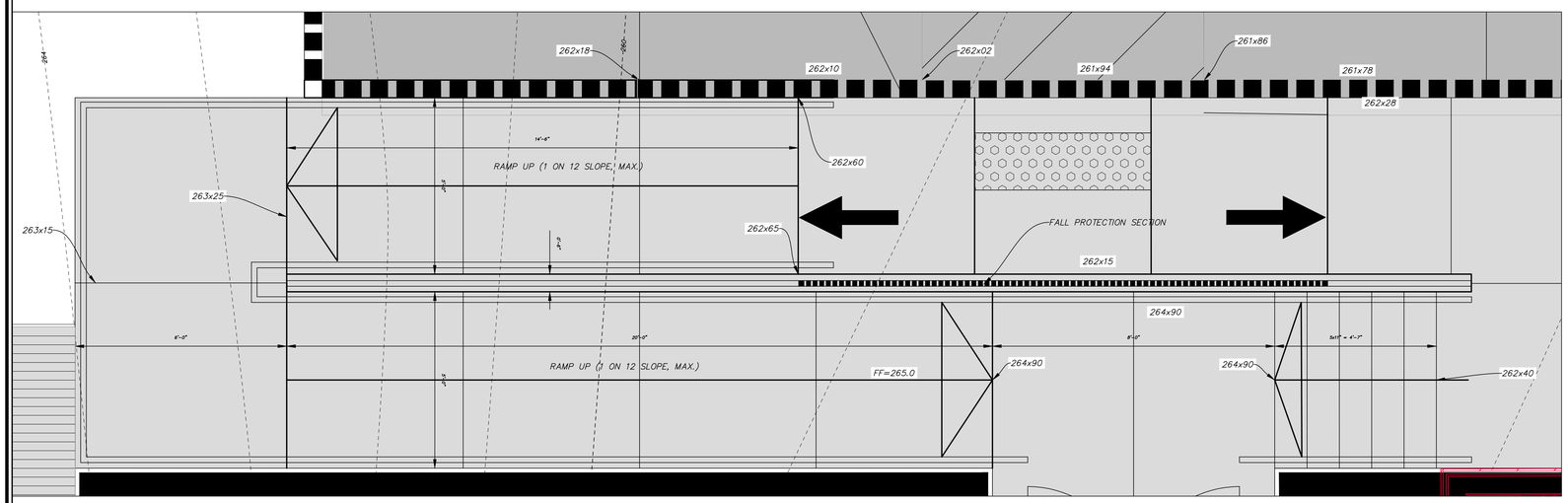
LONGITUDINAL SECTION



CROSS SECTION

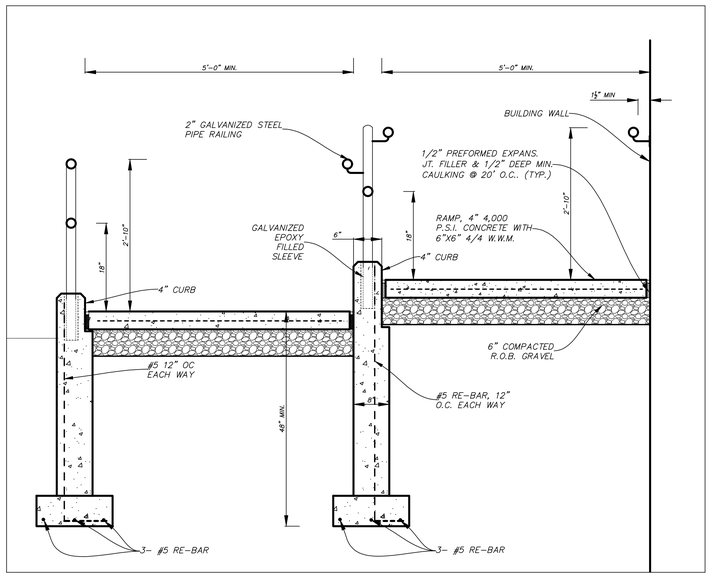
CONCRETE WALK REPAIR DETAIL IN CITY R.O.W.

NOT TO SCALE



HANDICAPPED RAMP PLAN

NOT TO SCALE



HANDICAPPED RAMP SECTION

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18 Locust Street
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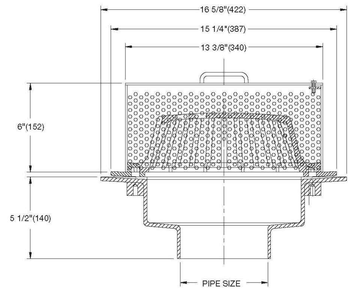
REVISIONS		
REMARKS	RESPONSE REVISIONS JANUARY 23, 2019 REVIEW MEMO	
DATE	6/29/20	8/4/20

DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 190162 | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 6/19/2020 | 190162-6.DWG

WATTS | **GRD-690** Tag: _____ | **Green Roof Shallow Planter Drain**

SPECIFICATION: Watts Drainage GRD-690 epoxy coated cast iron green roof drain with flashing clamp, self-locking ductile iron dome, perforated stainless steel gravel guard with secured solid cover and lift handle, and no hub (standard) outlet.



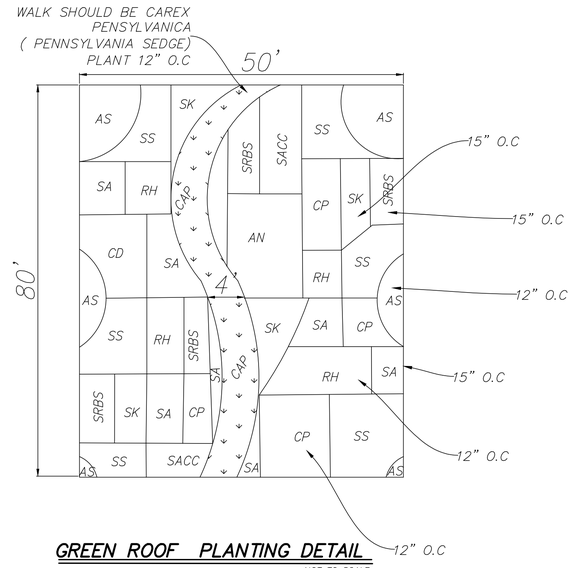
Pipe Sizing (Select One) Suffix	Description	
-2	2"(51) Pipe Size (NH Only)	☐
-3	3"(76) Pipe Size	☐
-4	4"(102) Pipe Size	☐
-5	5"(127) Pipe Size (NH Only)	☐
-6	6"(152) Pipe Size	☐
-8	8"(203) Pipe Size	☐
-10	10"(254) Pipe Size (NH Only)	☐

Outlet Type (Select One) Suffix	Description	
NH	No Hub (MJ)	☐
P	Push On	☐
X	Inside Caulk	☐

Options (Select One or More) Suffix	Description	
-15	Galvanized Body & Flashing Clamp	☐
-B	Sump Receiver	☐
-D	Underdeck Clamp	☐
-F	Deck Flange/Adj. Extension	☐
-US	Buy American Compliant	☐

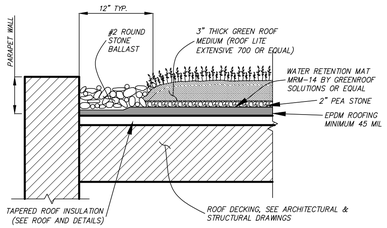
ROOF DRAIN FOR GREEN ROOF DETAIL

NOT TO SCALE



GREEN ROOF PLANTING DETAIL

NOT TO SCALE



*CONTRACTOR SHALL PROVIDE A COMPLETE SUBMITTAL PACKAGE FOR **ARCHITECT & ENGINEER** TO REVIEW PRIOR TO ORDERING.*

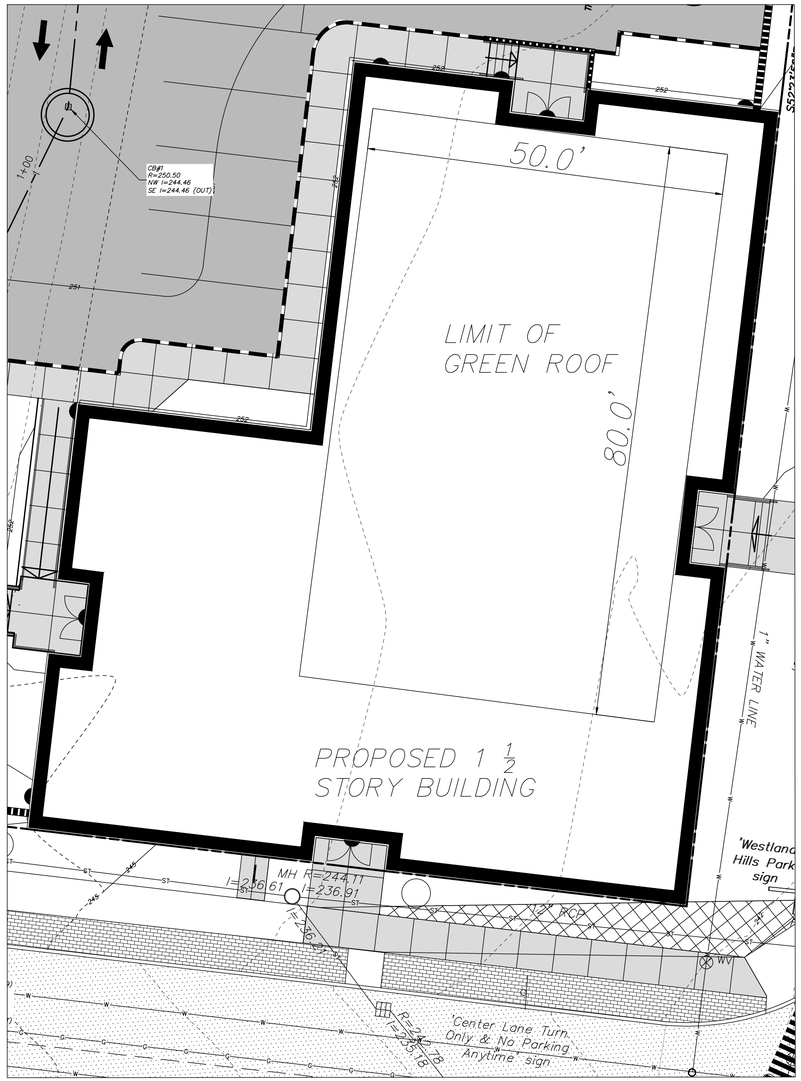
UTILIZE WATTS DRAINAGE GRD690 GREEN ROOF DRAINS

2 / C12 **GREEN ROOF DETAIL**

NOT TO SCALE

PLANT MATERIAL SCHEDULE (GREEN ROOF)

SYM	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
		PERENNIALS		
AN	ASTER NOVAE-ANGLIA	NEW ENGLAND ASTER	#2 CONT.	24" O.C.
AS	WILD CHIVES	ALLIUM SCHOENPRAVUM	#1 CONT.	12" O.C.
CAP	CAREX PENSYLVANICA	PENNSYLVANIA SEDGE	1 YR PLANTS	12" O.C.
CP	COREOPSIS PALMATA	PRARIE COREPSIS	#1 CONT.	18" O.C.
RH	RUELLA HUMILIS	WILD PETUNIA	LP 50 PLUGS	12" O.C.
SA	SEDUM ALBUM	WHITE STONECROP	4CM PLUGS	15" O.C.
SACC	SEDUM ALBUM 'CORAL CARPET'	CORAL CARPET SEDUM	4CM PLUGS	15" O.C.
SK	SEDUM KAMTSCHATICUM VAR. FLORIFERUM 'WEIHENSTEPHANER GOLD'	ORANGE STONECROP	4CM PLUGS	12" O.C.
SRBS	SEDUM REFLEXUM 'BLUE SPRUCE'	SHOWY STONECROP	4CM PLUGS	15" O.C.
SS	SEDUM SEXANQULARE	TASTELESS STONECROP	4CM PLUGS	12" O.C.



GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

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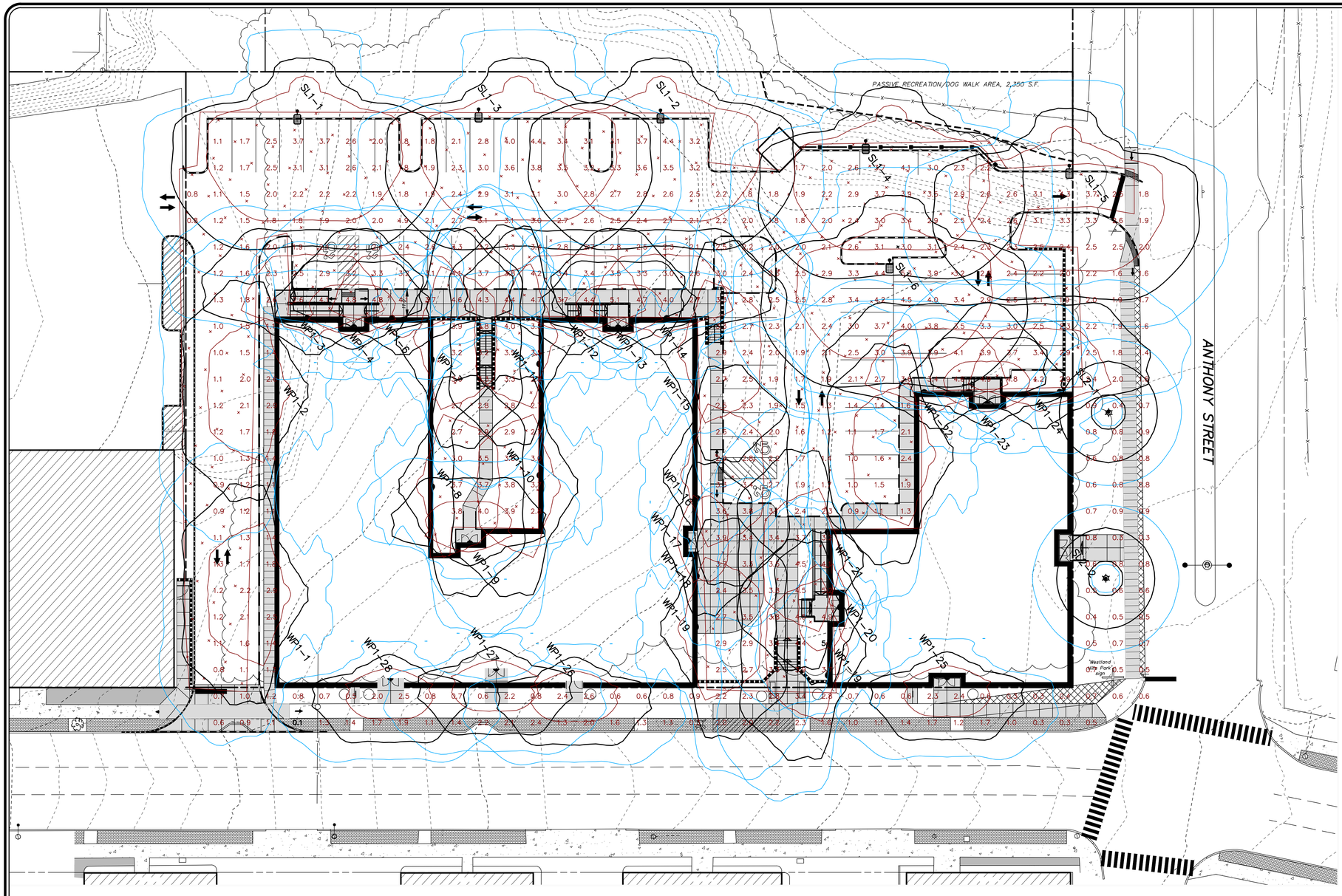
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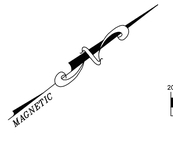
STATE OF NEW YORK — DANIEL R. HERSHBERG — 044226 — PROFESSIONAL ENGINEER & LAND SURVEYOR

REVISIONS		
REMARKS	DATE	
JANUARY 23, 2019 REVIEW MEMO	6/29/20	
RESPONSE REVISIONS	8/4/20	

GREEN ROOF DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 190162 | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 6/19/2020 | 190162-6.DWG





GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 inch = 20 ft.

Schedule

Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	LLF	Wattage	Distribution	Polar Plot
	SL1		6	Lithonia Lighting	DSX0 LED P5 40K T4M MVOLT SPA DDBXD SSS 16 4C DM19AS DDB	DSX0 LED P5 40K T4M MVOLT	LED	0.9	89	TYPE IV, SHORT, BUG RATING: B2 – U0 – G5	
	WP1		28	Lithonia Lighting	DSXW1 LED 20C 700 40K T3M MVOLT	DSXW1 LED WITH (2) 10 LED LIGHT ENGINES, TYPE T3M OPTIC, 4000K, @ 700mA.	LED	0.9	45.7	TYPE IV, MEDIUM, BUG RATING: B1 – U0 – G2	
	SL2		2	American Electric Lighting	HTFL P30 AS 40K R5 AA 9R BK N FBK POLE: WD A 12 F4J 17 P05 ABG BK	HARDSFIELD LED, P30, 4000K TYPE 5, ACYRLIC 9" REFRACTOR	LED Array	0.9	49.5	TYPE IV, MEDIUM, BUG RATING: B1 – U0 – G2	

Note:
1.FIXTURE TYPE SL1 IS SHOWN POLE MOUNTED AT 18' ABOVE FINISHED GRADE (16' POLE, 2' ABOVE GRADE BASE).
2. FIXTURE TYPE WP1 IS SHOWN WALL MOUNTED AT 15' ABOVE FINISHED GRADE.
3. FIXTURE TYPE SL2 IS SHOWN POLE MOUNTED ON 12' DECORATIVE POLE.

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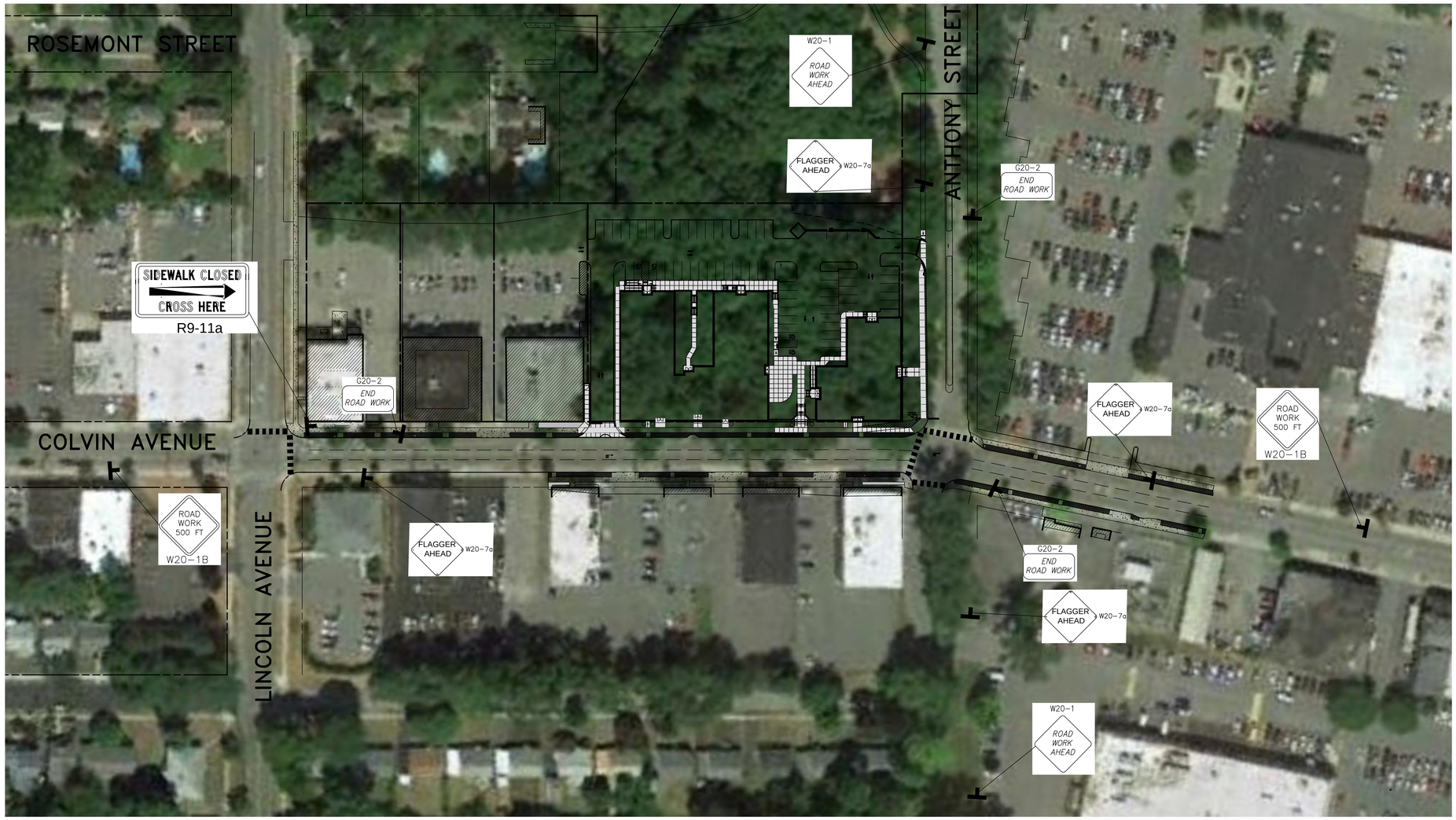
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044226

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LIGHTING PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 190162
SCALE: AS SHOWN
DRT: AS
CHK: DRH
DATE: 6/19/2020
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LEGEND	
▽	CONE
	FLAGGER
	BUSHES
	SIGN
	WORK AREA

NOTES:

1. UTILITY INSTALLATION TO OCCUR DURING THE HOURS OF 9:00 PM TO 5:00 AM.
2. ALTERNATE LANES AND USE FLAGGER BETWEEN 9:00 PM TO 5:00 AM
3. STEEL PLATE EXCAVATION AND RE-OPEN LANE BETWEEN 5:00 AM TO 9:00 PM

GENERAL NOTES

1. ACCESS FOR CITY'S MAINTENANCE STAFF/REPRESENTATIVES MUST BE MAINTAINED AT ALL TIMES TO THE TRAFFIC SIGNAL EQUIPMENT AT THIS INTERSECTION.

2. CONTRACTOR MUST PROTECT THE TRAFFIC SIGNAL EQUIPMENT BOTH ABOVE AND BELOW EXISTING GRADE, AT THIS INTERSECTION, FROM DAMAGE FROM WORK ACTIVITIES AT THIS SITE.

3. DAMAGE TO CITY SIDEWALKS, CURBS, AND ROADWAYS WILL BE THE SOLE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTORS.

4. DEVELOPER AND CONTRACTORS ARE RESPONSIBLE FOR CALLING THE OFFICE OF THE CHIEF SUPERVISOR OF TRAFFIC ENGINEERING TO ARRANGE FOR PARKING RESTRICTIONS FOR THE PROJECT. ANY FEE FOR THE PARKING OR METER SPACES WILL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR. METER PARKING IS ON BROADWAY AND NON-METER PARKING IS ON LIVINGSTON AVE.

5. ONCE APPROVED THIS PLAN WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS A MODIFIED PLAN IS SUBMITTED AND APPROVED BY THE OFFICE OF CHIEF SUPERVISOR OF TRAFFIC ENGINEERING.

6. PER BILL TRUDEAU; KEEP 2 LANES OPEN ON COLVIN AVENUE AND PROVIDE BUSHES TO KEEP TRAFFIC FROM CROSSING OVER GRASS MEDIAN ON ANTHONY STREET.

MAGNETIC

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 OF THE JANUARY 1, 2019 NYS STANDARD SPECIFICATIONS AND THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) DATED MAY 2012 AND ALL OTHER APPLICABLE PROVISIONS CONTAINED IN THIS CONTRACT. ALL SIGN NUMBERS REFER TO THE M.U.T.C.D.
2. THE FINAL RESPONSIBILITY FOR THE PROTECTION OF THE TRAVELING PUBLIC AND HIS OWN PERSONNEL SHALL REST WITH THE CONTRACTOR.
3. PRIOR TO THE START OF WORK, THE CONTRACTOR MAY SUBMIT ANY PROPOSED CHANGES TO THE TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL. ANY CHANGE WHICH ALTERS THE BASIC CONCEPT OF THE PLAN MUST BE APPROVED BY THE REGIONAL DIRECTOR OR HIS DESIGNEE.
4. VEHICLES AND CONSTRUCTION EQUIPMENT BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL BE MOVED A MINIMUM OF 30 FEET FROM THE EDGE OF PAVEMENT DURING NON-WORKING HOURS.
5. DURING WORKING HOURS, NO CONSTRUCTION MATERIAL MAY BE STORED ON THE ROADWAY OR ROADBED EXCEPT IN A PROTECTED WORK ZONE.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES IN THE VICINITY OF THE PROJECT SITE AT ALL TIMES.
7. SIGN LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. ACTUAL LOCATION SHALL BE ADAPTED TO PREVAILING CONDITIONS.
8. SIGNS THAT ARE NOT APPLICABLE SHALL BE COVERED OR OBSCURED FROM SIGHT.
9. THE W20-7 FLAGGER SIGN SHALL BE USED WHENEVER FLAGGING OCCURS FOR MORE THAN A BRIEF PERIOD OF TIME. THE SIGN SHALL BE PROMPTLY REMOVED, COVERED OR FACED AWAY FROM TRAFFIC WHEN THE FLAGGING OPERATION CEASES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TRAFFIC CONTROL DEVICES REQUIRED DURING CONSTRUCTION AND MAKING SURE ALL SIGNS, CONES AND DRUMS ARE IN PLACE AND IN GOOD CONDITION.
11. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SIGNS FOR THE DURATION OF THE PROJECT OR UNTIL NEW REPLACEMENT SIGNS ARE INSTALLED. ALL COSTS TO WORK AROUND, REPLACE ON TEMPORARY POSTS OR TO TEMPORARILY RELOCATE EXISTING SIGNS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 – BASIC MAINTENANCE & PROTECTION OF TRAFFIC .
12. LENGTH OF TAPERS SHOWN ON THE MAINTENANCE AND PROTECTION OF TRAFFIC GENERAL PLAN SHALL BE DETERMINED FROM SECTION 6C.08 OF THE M.U.T.C.D.. CONE SPACING SHALL BE DETERMINED FROM SECTION 6F.64 OF THE M.U.T.C.D..
13. NO ATTEMPT HAS BEEN MADE TO SHOW THE LOCATION OF ANY UNDERGROUND UTILITIES WHICH MAY EXIST WITHIN OR ADJACENT TO THE PROJECT AREA. PRIOR TO THE UTILIZATION OF THE INFORMATION SHOWN HERON, U.F.P.O. SHOULD BE NOTIFIED (811) FOR THE VERIFICATION OF THE EXISTENCE OF ANY AND ALL SUCH UTILITIES.
14. IT SHALL BE BE THE CONTRACTOR'S SOLE RESPONSIBILITY FOR ANY DAMAGE INCURRED DURING EXCAVATION OPERATIONS. ALL COSTS RELATED TO THE REPAIR OF DAMAGED UTILITIES SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
15. ALL CONSTRUCTION SIGNS SHALL BE PAID FOR UNDER ITEM 619.02. CONSTRUCTION SIGN MATERIALS SHALL COMPLY WITH SECTION 619-2 OF THE NYSDOT STANDARD SPECIFICATIONS.
16. WORK ZONES LEFT OVERNIGHT SHALL BE PROTECTED WITH THE APPROPRIATE WARNING SIGNS SUPPLEMENTED WITH TYPE "A" LOW INTENSITY WARNING LIGHTS. DRUMS OR BARRICADES SHALL BE USED FOR CHANNELIZATION. TWO-WAY TRAVEL SHALL BE PROVIDED DURING NON-WORKING HOURS.

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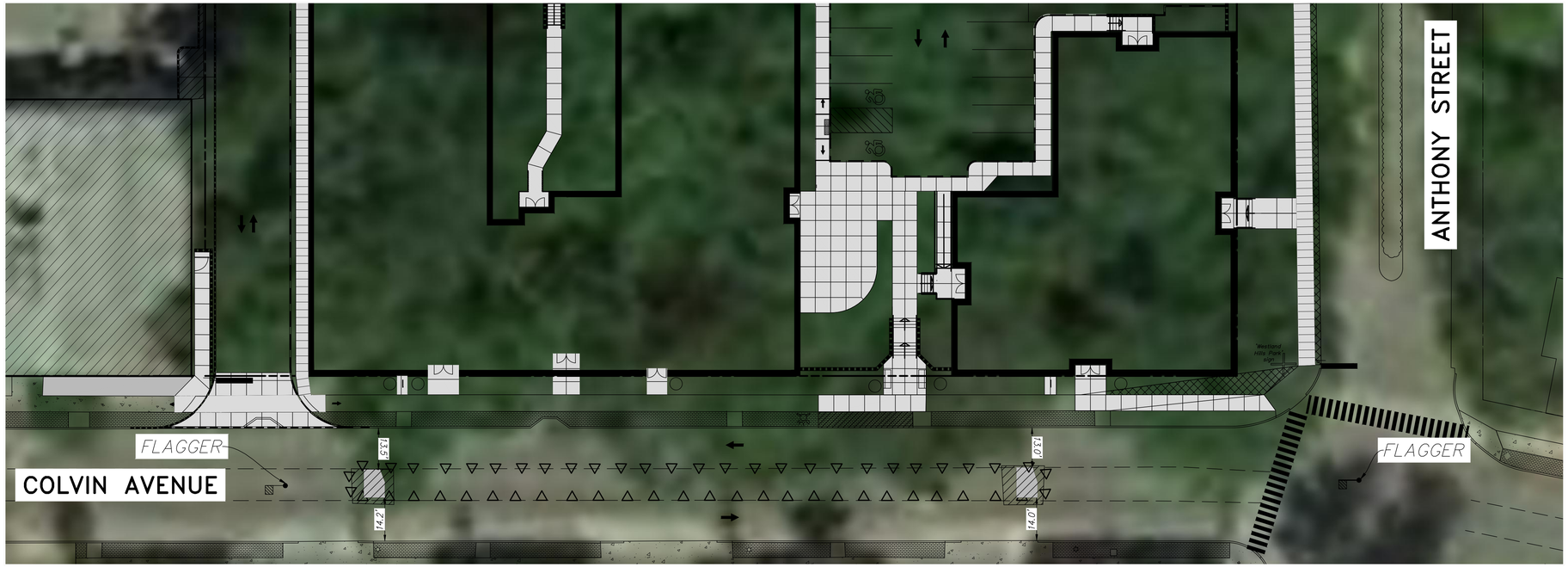
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044226

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8/4/20	RESPONSE REVISIONS	

MAINTENANCE PROTECTION TRAFFIC PLAN OVERIVEW
60 COLVIN AVENUE
ALBANY, NEW YORK

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MAINTENANCE AND PROTECTION OF TRAFFIC PLAN – PHASE ONE

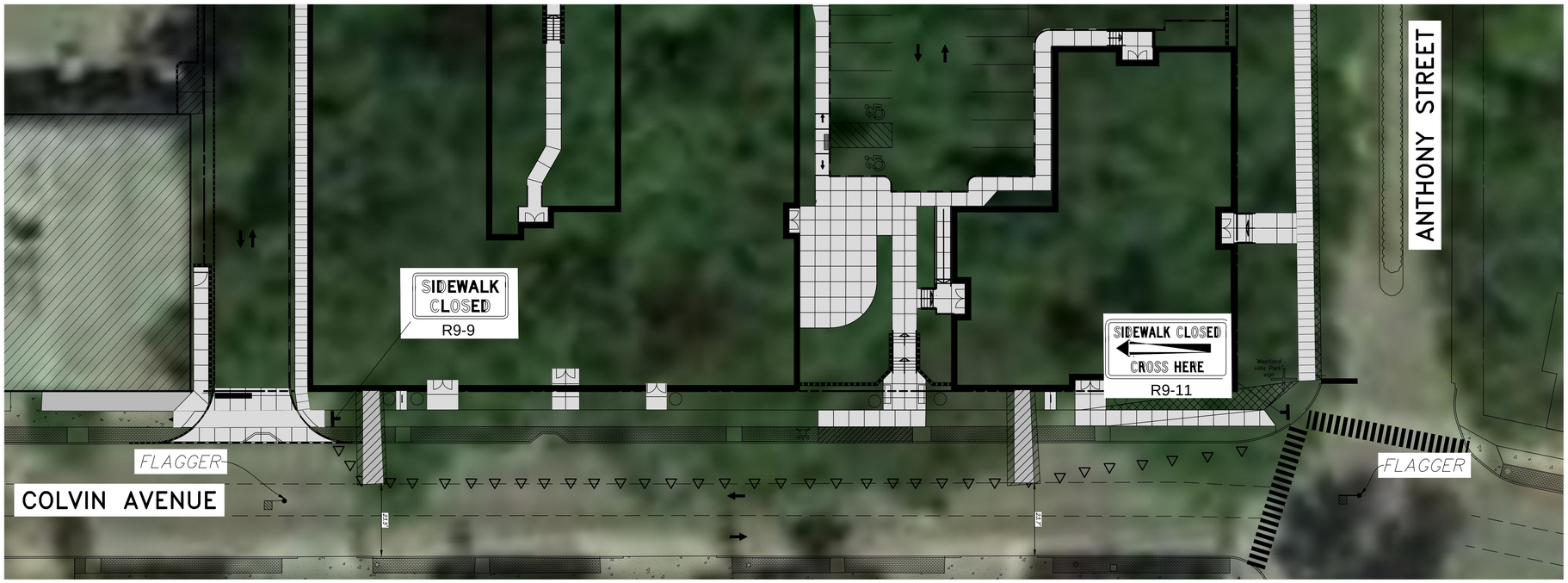
SCALE: 1"=20'

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

MAGNETIC



MAINTENANCE AND PROTECTION OF TRAFFIC PLAN – PHASE TWO

SCALE: 1"=20'

LEGEND	
▽	CONE
	FLAGGER
	BUSHES
	SIGN
	WORK AREA

NOTES:

1. UTILITY INSTALLATION TO OCCUR DURING THE HOURS OF 9:00 PM TO 5:00 AM.
2. ALTERNATE LANES AND USE FLAGGER BETWEEN 9:00 PM TO 5:00 AM
3. STEEL PLATE EXCAVATION AND RE-OPEN LANE BETWEEN 5:00 AM TO 9:00 PM

GENERAL NOTES

1. ACCESS FOR CITY'S MAINTENANCE STAFF/REPRESENTATIVES MUST BE MAINTAINED AT ALL TIMES TO THE TRAFFIC SIGNAL EQUIPMENT AT THIS INTERSECTION.
2. CONTRACTOR MUST PROTECT THE TRAFFIC SIGNAL EQUIPMENT BOTH ABOVE AND BELOW EXISTING GRADE, AT THIS INTERSECTION, FROM DAMAGE FROM WORK ACTIVITIES AT THIS SITE.
3. DAMAGE TO CITY SIDEWALKS, CURBS, AND ROADWAYS WILL BE THE SOLE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTORS.
4. DEVELOPER AND CONTRACTORS ARE RESPONSIBLE FOR CALLING THE OFFICE OF THE CHIEF SUPERVISOR OF TRAFFIC ENGINEERING TO ARRANGE FOR PARKING RESTRICTIONS FOR THE PROJECT. ANY FEE FOR THE PARKING OR METER SPACES WILL BE THE RESPONSIBLY OF THE DEVELOPER/CONTRACTOR. METER PARKING IS ON BROADWAY AND NON-METER PARKING IS ON LIVINGSTON AVE.
5. ONCE APPROVED THIS PLAN WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS A MODIFIED PLAN IS SUBMITTED AND APPROVED BY THE OFFICE OF CHIEF SUPERVISOR OF TRAFFIC ENGINEERING.
6. PER BILL TRUDEAU; KEEP 2 LANES OPEN ON COLVIN AVENUE AND PROVIDE BUSHES TO KEEP TRAFFIC FROM CROSSING OVER GRASS MEDIAN ON ANTHONY STREET.

CONSTRUCTION SIGNS – ITEM 619.02

TEXT	M.U.T.C.D. NO.	APPROX. AREA (S.F.)
END ROAD WORK	G20-2	36" X 24" (6.0 S.F.)
ROAD WORK 500 FT	W20-1B	36" X 36" (9.0 S.F.)
FLAGGER AHEAD	W20-7A	36" X 36" (9.0 S.F.)
ROAD WORK AHEAD	W20-1	36" X 36" (9.0 S.F.)
SIDEWALK CLOSED	W9-9	24" X 12" (2.0 S.F.)
SIDEWALK CLOSED CROSS HERE	W9-11	24" X 12" (2.0 S.F.)

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MAINTENANCE AND PROTECTION OF TRAFFIC
UTILITY PHASE 1 AND 2
60 COLVIN AVENUE
ALBANY, NEW YORK

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LINCOLN AVENUE

ANTHONY STREET

6' HIGH CHAIN LINK CONSTRUCTION FENCE

PROPOSED 3 STORY MIXED USE BUILDING
FOOT PRINT = 19,031 S.F.
48 RESIDENTIAL UNITS

PROPOSED 1½ STORY BUILDING
FOOT PRINT = 8,508 S.F.

TEMPORARY REMOVE CURB AND INSTALL ADA ACCESS RAMP

6' HIGH CHAIN LINK CONSTRUCTION FENCE AT EDGE OF SIDEWALK

"CONSTRUCTION AHEAD" AND "CAUTION: TRUCK ENTERING' SIGNS

250'

EXISTING TURNING LANE

TEMPORARY CENTER LINE

14.35'

14.35'

5'

LINE OF JERSEY BARRIERS

5' WIDE PEDESTRIAN WALKWAY

250'

"CONSTRUCTION AHEAD" AND "CAUTION: TRUCK ENTERING' SIGNS

COLVIN AVENUE

MAGNETIC

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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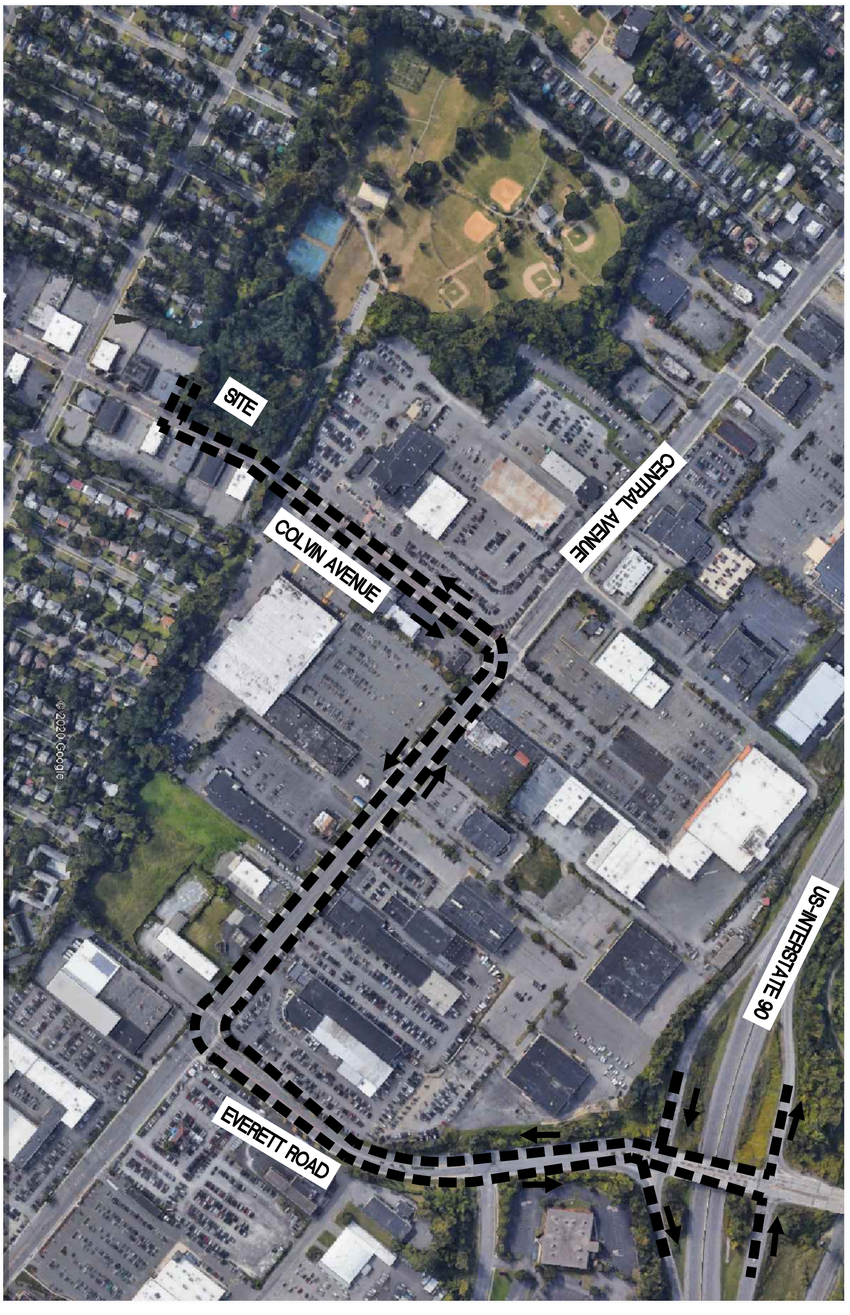
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REMARKS	DATE
JANUARY 23, 2019 REVIEW MEMO	6/29/20
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REVISIONS

WORK ZONE TRAFFIC PROTECTION PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 190162
SCALE: AS SHOWN
BY: AS
CHK: DRH
DATE: 6/19/2020
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TRUCK ROUTING PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

C16 OF 19

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REVISIONS	REMARKS	DATE
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CONCRETE NOTES

1. THE FOUNDATION CONTRACTOR SHALL SUBMIT FOUR COPIES OF SHOP DRAWINGS TO THE ENGINEER FOR REVIEW FOR THE FOLLOWING ITEMS:
   - A. CONCRETE MIX DESIGNS
   - B. STEEL REINFORCEMENT PLACEMENT DRAWINGS SHOWING ALL REINFORCEMENT REQUIRED, INCLUDING BAR SCHEDULES WITH LENGTHS, BENDS ETC.
2. MEASURE, MIX, BATCH AND DELIVER CONCRETE IN ACCORDANCE WITH ASTM C 94.
3. WHEN AIR TEMPERATURE IS BELOW 40 DEG. F. OR IS EXPECTED TO FALL BELOW 40 DEG. F. CONCRETE SHALL BE PLACED AND CURED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 306 "COLD WEATHER CONCRETE".
4. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304 "GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE". CONSOLIDATE PLACED CONCRETE BY MECHANICAL VIBRATION.
5. ALL CONCRETE FOR WALLS AND FOUNDATION SLABS SHALL HAVE A COMPRESSIVE STRENGTH f'c @ 28 DAYS OF 4000 PSI. MAXIMUM SLUMP SHALL BE 4". ALL WALL CONCRETE SHALL BE AIR-ENTRAINED TO AN AIR CONTENT OF 6%, (+/- 1%).
6. ALL EXTERIOR SLAB / STAIR CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS:
   1. COMPRESSIVE STRENGTH f'c = 4000 psi
   2. REQUIRED MAXIMUM AGGREGATE SIZE = MIN. 3/4"
   3. SUPERPLASTIZERS WILL NOT BE ALLOWED WITHOUT APPROVAL OF THE ENGINEER
   4. SLUMP PRIOR TO ADDITION OF WATER REDUCING ADMIXTURES SHALL NOT EXCEED 3 INCHES.
   5. W/C RATIO SHALL NOT EXCEED 0.40.
   6. CONCRETE SHALL BE AIR ENTRAINED TO AN AIR CONTENT OF 6%, (+/- 1%).
7. ALL CEMENT SHALL BE PORTLAND CEMENT MEETING THE REQUIREMENTS OF ASTM C 150, TYPE I OR II.
8. ALL REINFORCEMENT SHALL COMPLY WITH ASTM A615, GR. 60.
9. LAP LENGTHS FOR CONCRETE REINFORCEMENT SHALL BE BASED ON THE FOLLOWING TABLE:

SIZE	F'c = 3 ksi	F'c = 4 ksi
#3	17"	15"
#4	22"	19"
#5	28"	24"
#6	33"	29"
#7	48"	42"
#8	55"	48"
#9	62"	54"

10. EXTERIOR SLABS / STAIR CONCRETE SHALL RECEIVE BROOM FINISH TRANSVERSE TO ANY SLOPES. WET CURE SLAB A MINIMUM OF 7 DAYS BY MISTING OR COVERING WITH BURLAP KEPT CONTINUOUSLY WET.
11. ALL CONCRETE SHALL BE TESTED AND SAMPLED. A SET OF COMPRESSION TEST SAMPLES SHALL CONSIST OF FOUR CYLINDERS. OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIX EXCEEDING 5 CU. YD., PLUS ONE ADDITIONAL SET FOR EACH ADDITIONAL 30 CU. YD. OR FRACTION THEREOF. TEST EACH SAMPLE AS FOLLOWS:

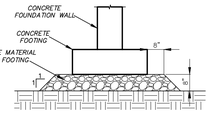
    SLUMP - ASTM C 143
    AIR ENTRAINMENT - ASTM C 231
    CONCRETE TEMPERATURE - ASTM C 1064
    COMPRESSIVE STRENGTH TEST - ASTM C 39 - TEST ONE SPECIMEN AT 7 days AND TWO AT 28 days. HOLD ONE SPECIMEN FOR TESTING AT 56 days, IF REQUIRED.

    SEND ONE COPY OF EACH WRITTEN REPORT SUMMARIZING THE TEST RESULTS TO THE ENGINEER.
12. THE CONTRACTOR SHALL CHECK WITH THE CIVIL AND SITE DRAWINGS AND THE SUBCONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS AND OTHER ITEMS RELATED TO THE CONCRETE WORK, AND SHALL ASSUME RESPONSIBILITY FOR THEIR PROPER LOCATION.
13. SEALANT FOR SLAB JOINTS SHALL BE TWO-COMPONENT FLEXIBLE EPOXY, SIKADUR 51 NS/SL, AS MANUFACTURED BY SIKA CORP. OR EQUIVALENT.
14. REINFORCING BAR COUPLERS SHALL BE THREADED COUPLERS AS MANUFACTURED BY DAYTON SUPERIOR, INC., OR APPROVED EQUIVALENT.

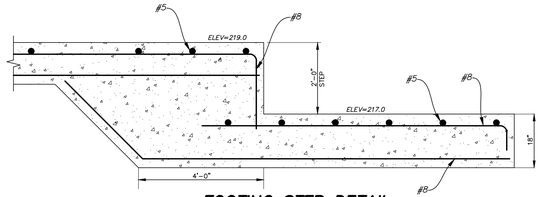
EARTHWORK NOTES

1. FOUNDATIONS HAVE BEEN DESIGNED BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 3000 psf AS RECOMMENDED IN THE GEOTECHNICAL INVESTIGATION PREPARED BY DENTE ENGINEERING OF WATERVLIET, NY DATED APRIL 28, 2016.
2. PRIOR TO FOUNDATION CONSTRUCTION THE SITE SHALL BE PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REFERENCED IN THE NOTE ABOVE INCLUDING DEWATERING AS MAY BE NECESSARY.
3. EXCAVATION SHALL BE TO ELEVATIONS INDICATED WITH A TOLERANCE OF PLUS MINUS 1". EXCAVATIONS SHALL BE OF SUFFICIENT SIZE FOR PLACING AND REMOVING FORMS, AS WELL AS INSPECTIONS. EXCAVATIONS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
4. STRUCTURAL BACKFILL MATERIALS SHALL BE AN ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND CONFORMING TO NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 304-2, TYPE 4. COMPACT ALL BACKFILL IN MAXIMUM 12" LIFTS TO A MINIMUM OF 92% OF MODIFIED PROCTOR DENSITY PER ASTM D-1557.
5. CRUSHED STONE, WHERE CALLED FOR ON THE DRAWINGS, SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 703-02, SIZE DESIGNATION 2. THE STONE SHALL BE PLACED IN MAXIMUM 12" LIFTS AND SHALL BE WELL COMPACTED WITH A VIBRATORY PLATE TAMPER OR OTHER SUITABLE EQUIPMENT.
6. THE CONTRACTOR SHALL COORDINATE WITH THE INDEPENDENT QUALIFIED GEOTECHNICAL TESTING AGENCY, RETAINED BY THE OWNER TO PERFORM SOIL COMPACTION TESTING. SUBMIT ONE COPY OF ALL TEST REPORTS TO THE OWNER AND THE ENGINEER. FIELD IN-PLACE DENSITY TESTS SHALL BE PERFORMED BY EITHER ASTM D 1556 (SAND CONE METHOD) OR ASTM D 2922 (NUCLEAR METHOD). TESTS SHALL BE PERFORMED AS FOLLOWS:

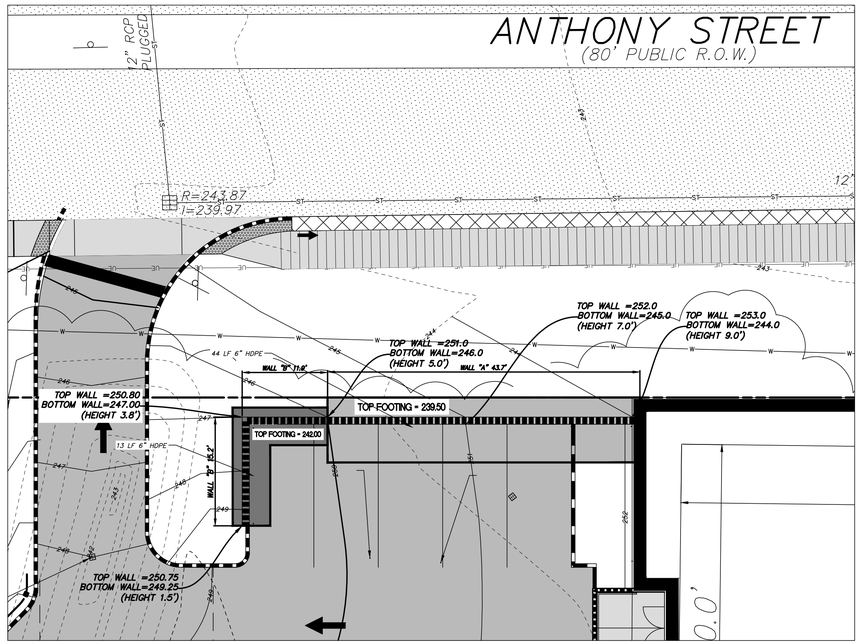
   - FOUNDATION WALL BACKFILL - ONE TEST PER EACH BACKFILL LIFT.



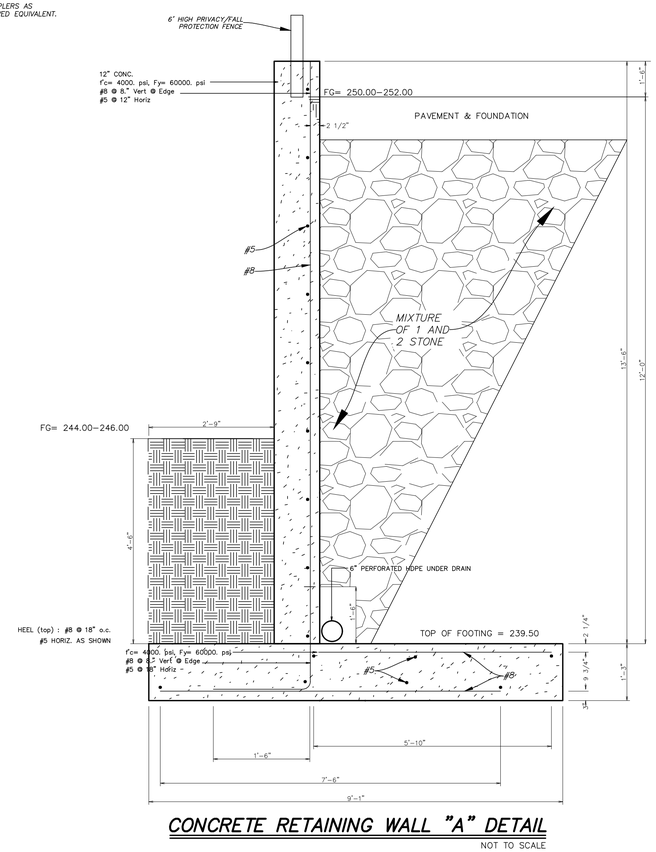
TYPICAL FOOTING BEARING DETAIL
NOT TO SCALE



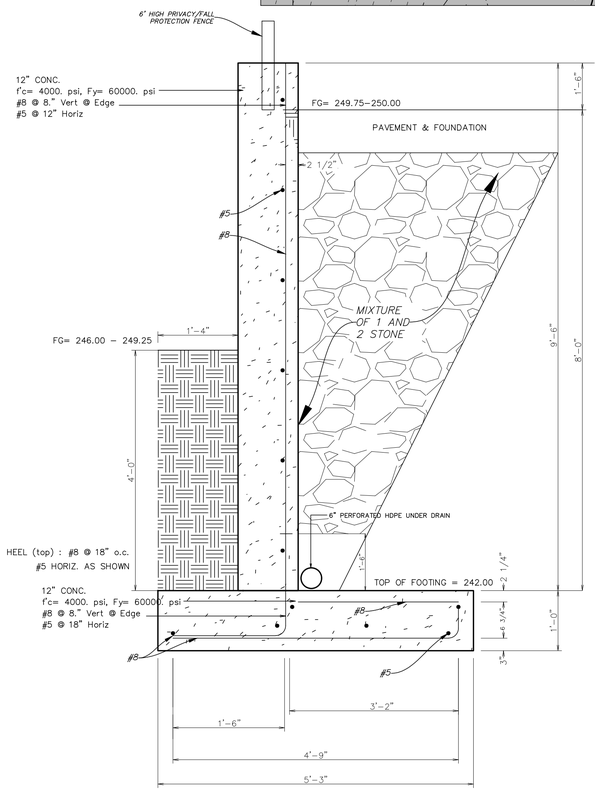
FOOTING STEP DETAIL
NOT TO SCALE



WALL PLAN
SCALE: 1"=10'



CONCRETE RETAINING WALL "A" DETAIL
NOT TO SCALE



CONCRETE RETAINING WALL "B" DETAIL
NOT TO SCALE

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Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

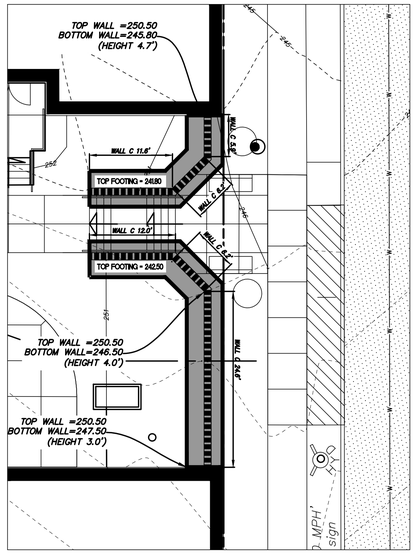
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STATE OF NEW YORK — DANIEL R. HERSHBERG — 044226 — PROFESSIONAL ENGINEER & LAND SURVEYOR

REVISIONS		
DATE	REMARKS	
6/29/20	JANUARY 23, 2019 REVIEW MEMO	
8/4/20	RESPONSE REVISIONS	

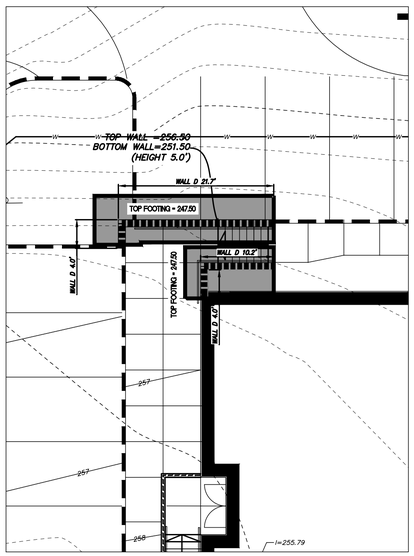
RETAINING WALL DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 190162 | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 6/19/2020 | 190162-6.DWG



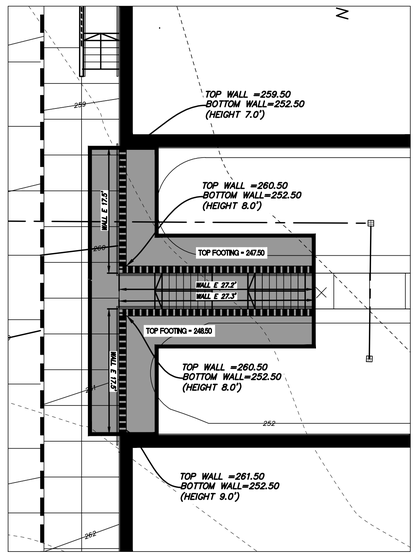
WALL PLAN–C

SCALE: 1"=10'



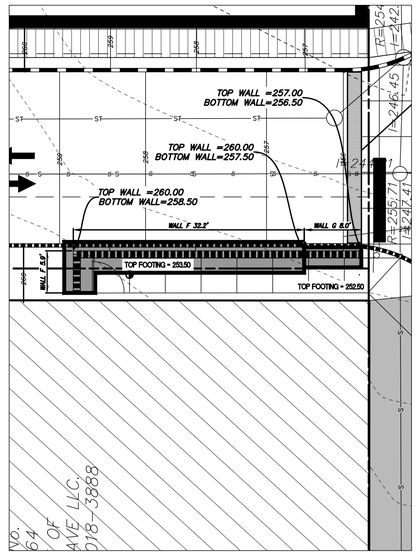
WALL PLAN–D

SCALE: 1"=10'



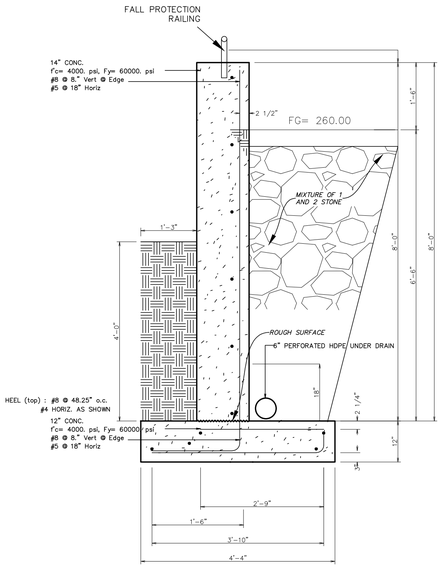
WALL PLAN–E

SCALE: 1"=10'



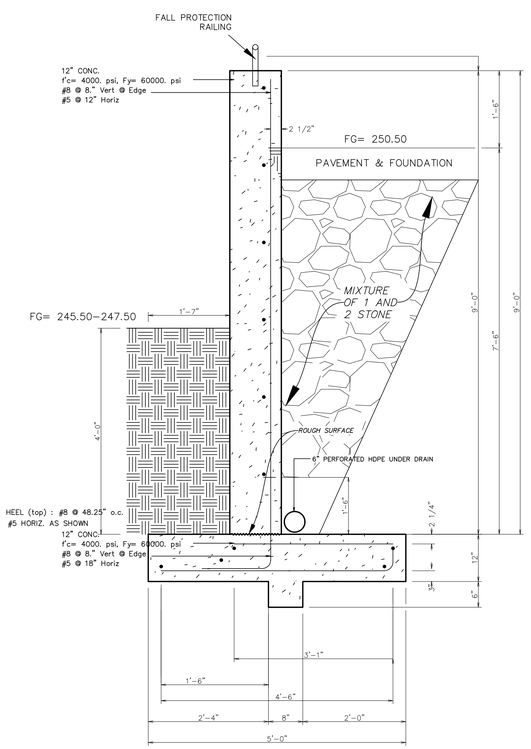
WALL PLAN–F&G

SCALE: 1"=10'



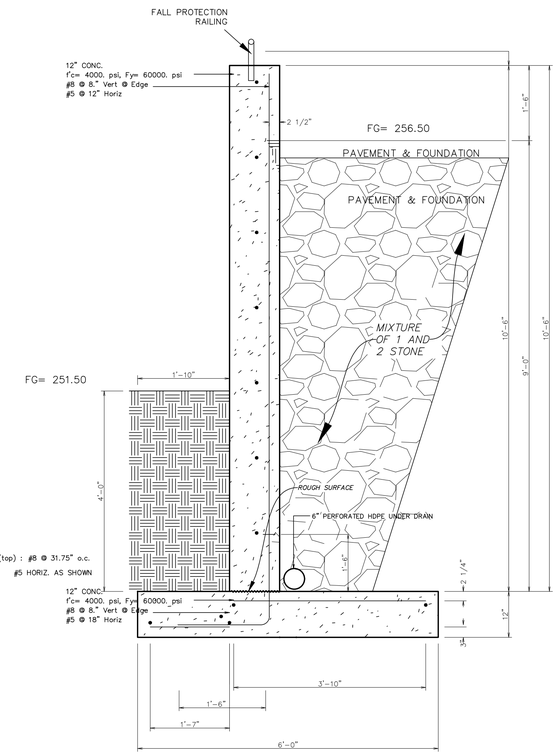
CONCRETE RETAINING WALL "F" DETAIL

NOT TO SCALE



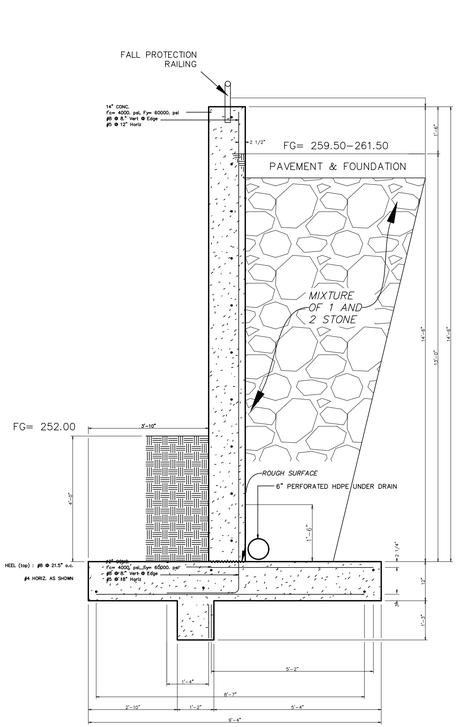
CONCRETE RETAINING WALL "C" DETAIL

NOT TO SCALE



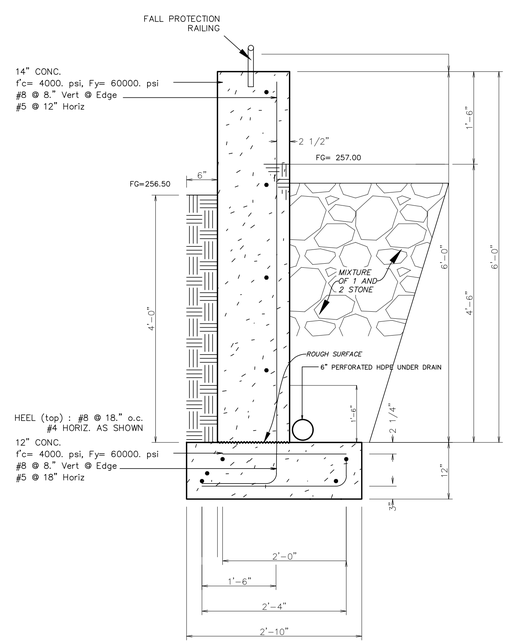
CONCRETE RETAINING WALL "D" DETAIL

NOT TO SCALE



CONCRETE RETAINING WALL "E" DETAIL

NOT TO SCALE



CONCRETE RETAINING WALL "G" DETAIL

NOT TO SCALE

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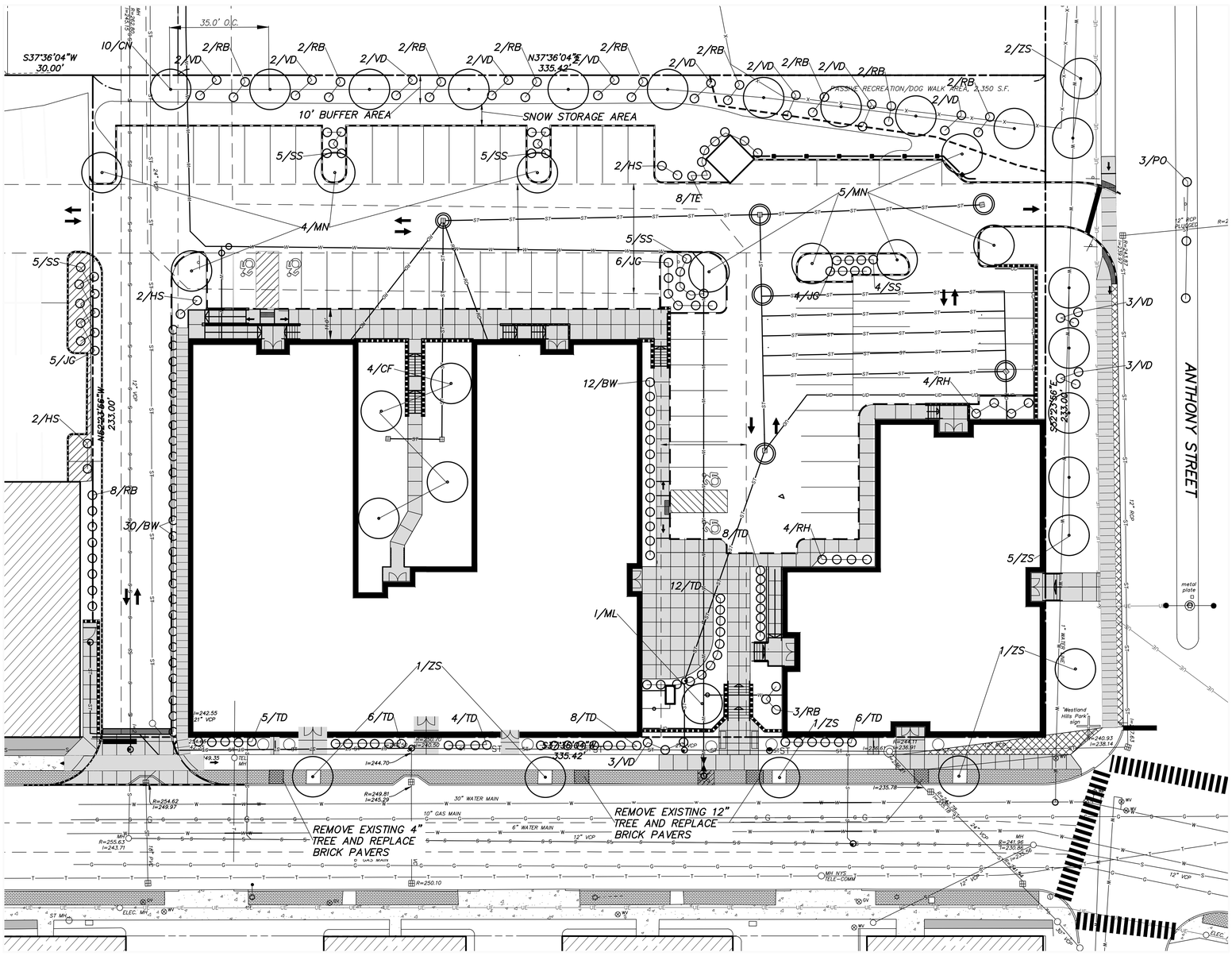
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REVISIONS

REMARKS	DATE
JANUARY 23, 2019 REVIEW MEMO	6/29/20
RESPONSE REVISIONS	8/4/20

RETAINING WALL DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

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PLANT MATERIAL SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	SIZE	AMT	COMMENTS
		SHRUBS			
BW	BUXUS x 'WINTER GEM'	WINTER GEM BOXWOOD	18" HT.	42	CONTAINER GROWN
HS	HIBISCUS SYRIACUS 'PINK GIANT'	PINK GIANT ROSE OF SHARON	4'-5' HT.	6	B & B
JG	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	18" HT.	15	B & B
RB	RHODODENDRON 'BOULE DE NEIGE'	BOULE DE NEIGE RHODODENDRON	48" HT.	29	B & B
RH	RHODODENDRON 'P.J.M.'	P.J.M. RHODODENDRON	2 1/2' HT.	8	B & B
TD	TAXUS X MEDIA 'DENSIFORMIS'	DENSE SPREADING YEW	24" HT.	49	B & B
TE	THUJA OCCIDENTALIS 'EMERALD GREEN'	EMERALD ARBORVITAE	6'-8' HT.	8	B & B
VD	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	4' HT.	23	CONTAINER GROWN, NYNS
		TREES			
CF	CORNUS FLORIDA	WHITE FLOWERING DOGWOOD	2 1/2" CAL.	4	B & B
CN	CARPINUS CAROLINIANA	IRONWOOD	2 1/2"-3" CAL.	10	B & B
MN	MALUS 'SNOWDRIFT'	SNOWDRIFT CRABAPPLE	2 1/2"-3" CAL.	9	B & B
ML	MAGNOLIA LILIIFLORA	JANE MAGNOLIA	7'-8' HT.	1	B & B
PO	PICEA OMORIKA	SERBIAN SPRUCE	5'-6' HT.	3	B & B
ZS	ZELKOVA SERRATA	JAPANESE ZELKOVA	2 1/2"-3" CAL.	12	B & B
		GRASSES			
SS	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUE STEM	#1 CONTAINER	24	CONTAINER GROWN

NOTE;
SEVEN PLANTERS ALONG COLVIN AVENUE TO BE PLANTED WITH ANNUAL FLOWERS

MAGNETIC

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

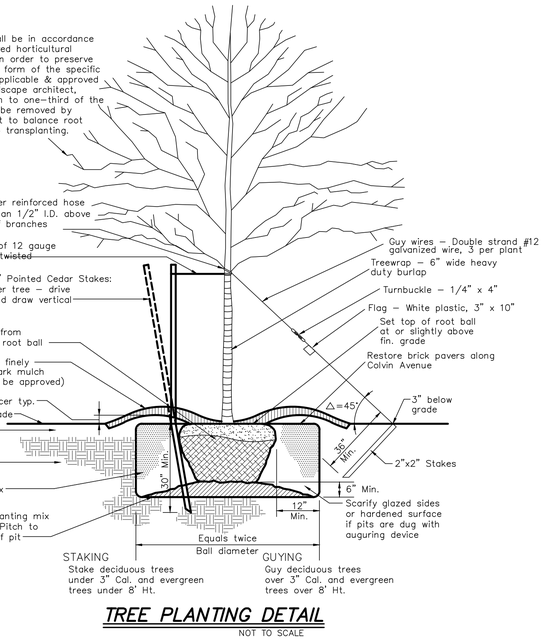
STREET TREE EQUIPMENT

ADD 1 CLO CELTIS OCCIDENTALIS TREE	1 TREE
ADD 12 ZS ZELKOVA SERRATA TREES	12 TREES

LEGEND

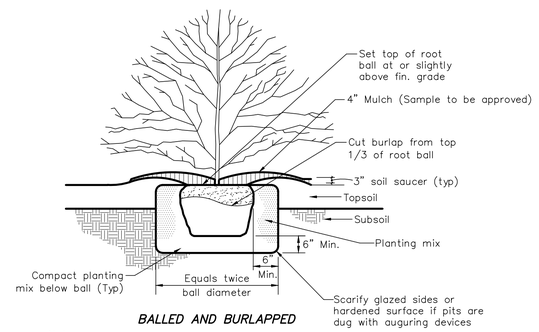
PAVEMENT MARKINGS
- HANDICAPPED PARKING
- STOP BAR
- TRAFFIC FLOW MARKING
- EXIST. TREE LINE
- 280x90 FINISH GRADE SPOT ELEVATION
- PROPOSED BUILDING
- PROPOSED CURB
- PROPOSED RETAINING WALL
- PROPOSED PAVEMENT
- PROPOSED SIDEWALK AND HANDICAPPED RAMP DETECTABLE SURFACE
- PROPOSED CONCRETE PAVEMENT

- U/T EXISTING TELEPHONE
- 199 EXISTING CONTOURS
- 200 EXISTING CONTOURS
- W EXISTING WATER MAIN
- EXISTING HYDRANT
- EXISTING SEWER MAIN
- MH EXISTING MANHOLE
- W EXISTING WATER MAIN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING OVERHEAD WIRE
- BUILDING MOUNTED LIGHTS
- LIGHT POLE
- BOLLARD LIGHT
- 199 PROPOSED CONTOURS
- 200 PROPOSED CONTOURS
- W PROPOSED WATER MAIN
- PROPOSED HYDRANT & VALVE
- S PROPOSED SAN. SEWER
- ST PROPOSED STORM SEWER
- RD PROPOSED ROOF DRAIN
- PROPOSED STORM MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TREE
- PROPOSED SHRUB



TREE PLANTING DETAIL

NOT TO SCALE



BALLED AND BURLAPPED

Notes:
1. In areas of mass planting, continuously excavate and mulch entire bed.
2. Do not add fertilizer to planting mix for fall planting.

SHRUB PLANTING DETAIL

NOT TO SCALE

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REVISIONS

LANDSCAPING PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

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