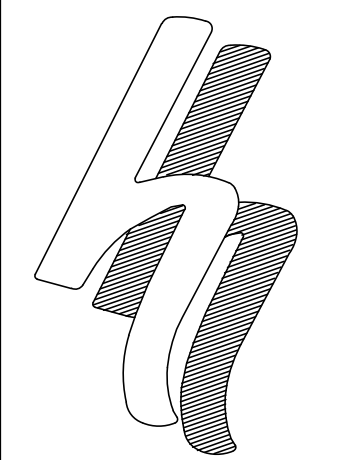
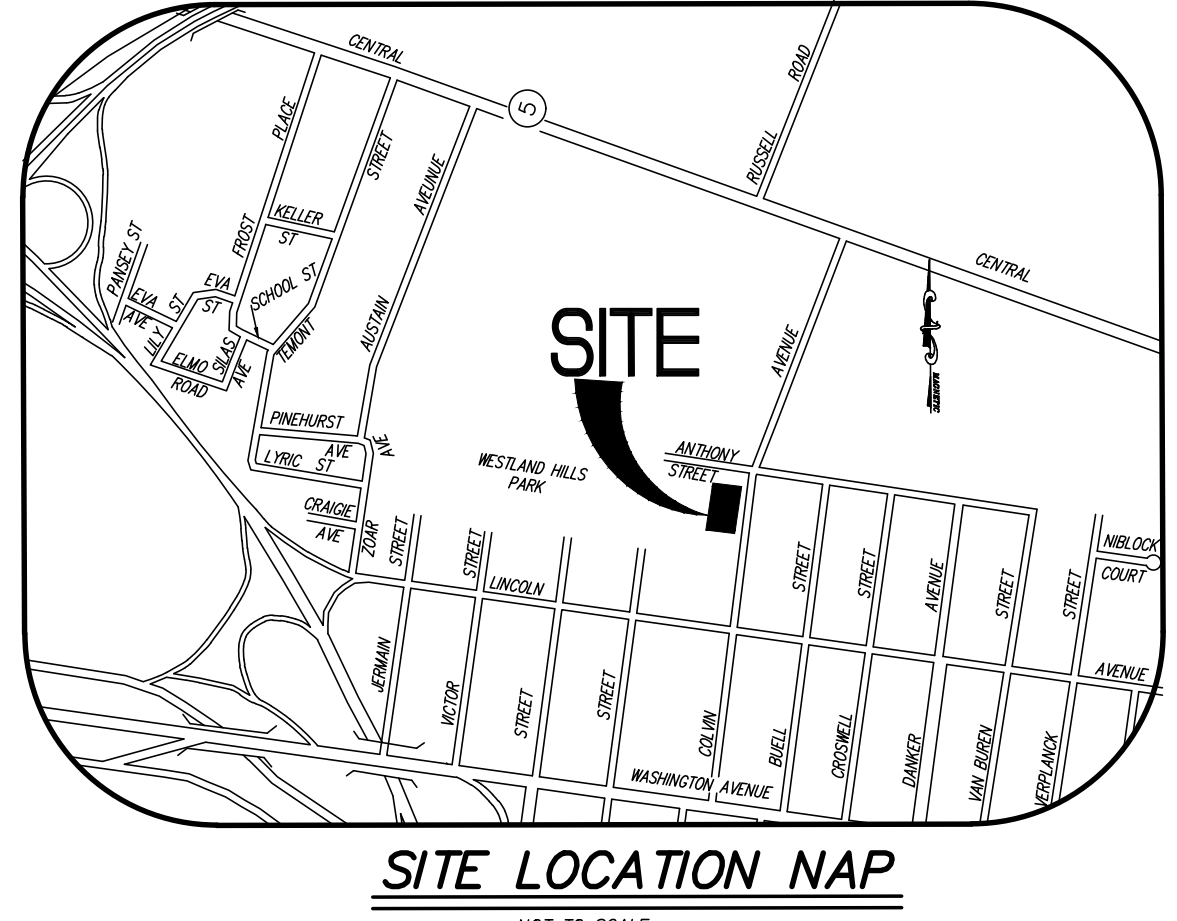
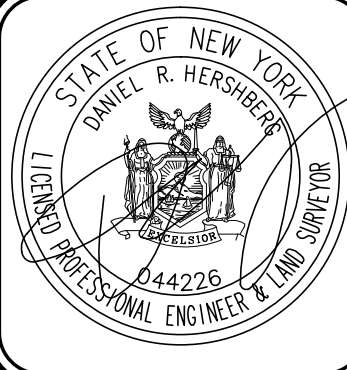


LEGEND			
R.O.W.	RIGHT OF WAY	○	MONUMENT
No.	NUMBER	○	IRON ROD
enc.	ENCROACHMENT	○	MANHOLE
P.O.B.	POINT OF BEGINNING	⊕	CATCH-BASIN
S.F.	SQUARE FEET	⊕	SIGN
N/F	NOW OR FORMERLY	⊕	BOLLARD
FL	FEET	⊕	FENCE LINE
Deg.	DEGREE	⊕	GUARD RAIL
R	RECORD	⊕	OVERHEAD WIRE, UTILITY POLE & GUY WIRE
M	MEASURED	⊕	TRAFFIC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



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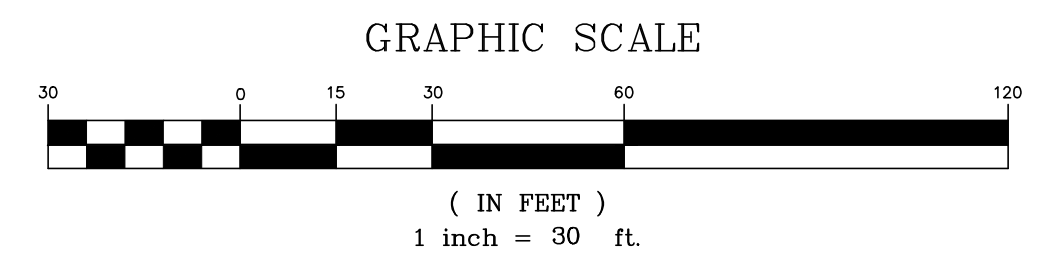
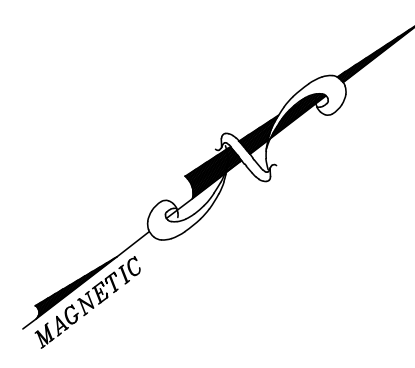


SCHEDULE OF DRAWINGS

- 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

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

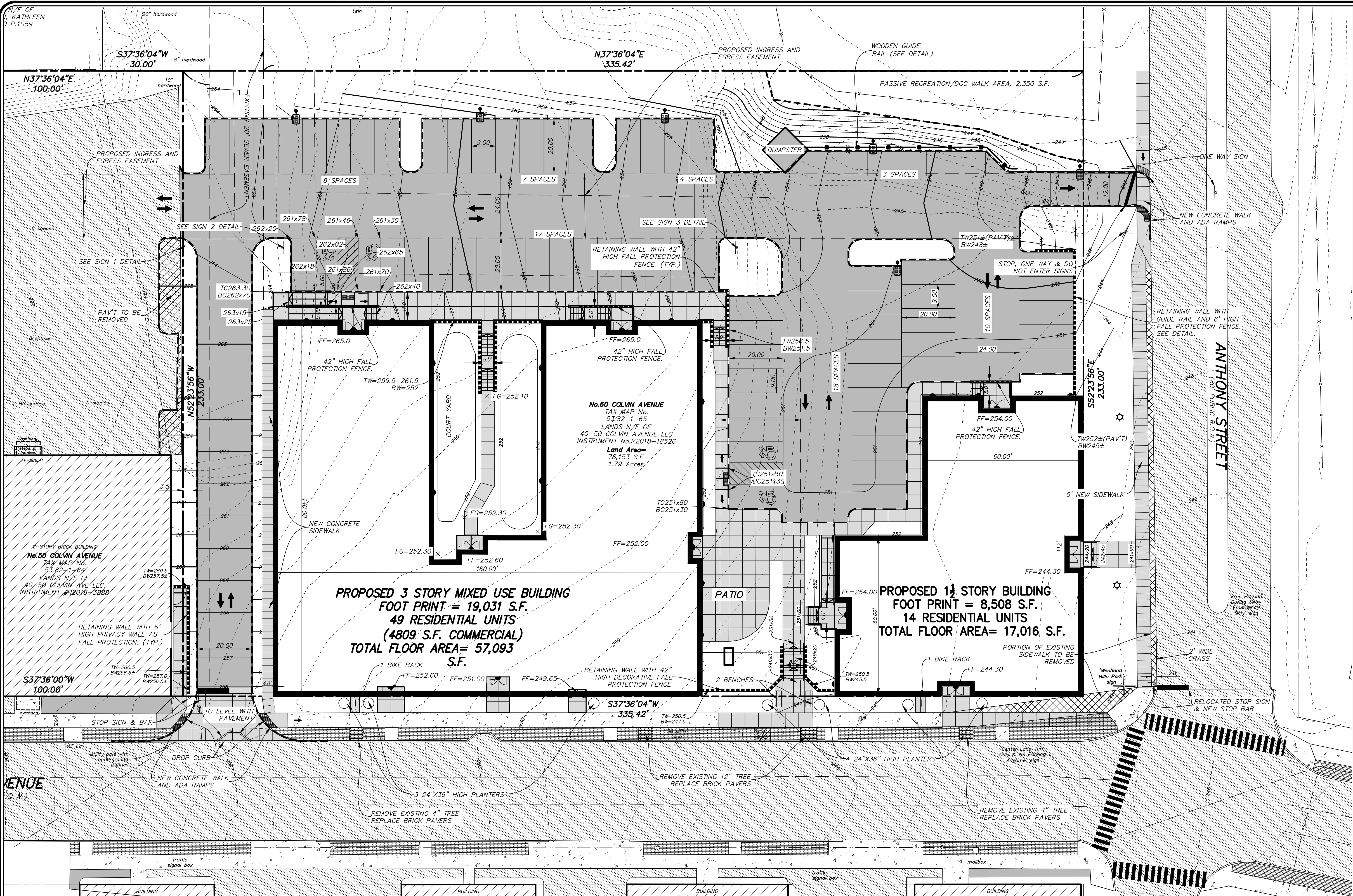
PERFORMED BY:
 DENTE ENGINEERING (JUNE 2006)
 DANIEL G. LOUCKS (MAY 2019)
 DENTE ENGINEERING (JUNE 2006)



DATE	REVISIONS
6/29/20	
8/14/20	

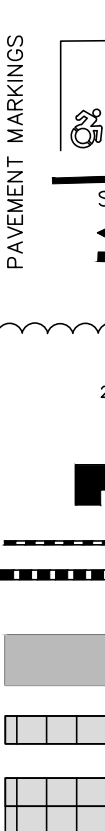
EXISTING CONDITIONS PLAN
 60 COLVIN AVENUE
 ALBANY, NEW YORK

FILE: 190162
 SCALE: 1"=30'
 DATE: 6/19/2020
 CHK: DRW
 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 | NEW 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 | ⊕ | WATER SHUT OFF |
| S | SOUTH | ⊗ | WATER VALVE |
| E | EAST | ⊙ | HYDRANT |
| W | WEST | ⊖ | GAS VALVE |
| tel. | TELEPHONE | ⊙ | STREET LIGHT |
| elec. | ELECTRIC | ⊙ | LIGHT POLE |
| L | LIBER | □ | CONCRETE |
| P. | PAGE | □ | PAVEMENT |
| O | PARKING METER | □ | |
-
- | | |
|-----|--------------------------|
| U/T | EXISTING TELEPHONE |
| --- | EXISTING CONTOURS |
| --- | EXISTING WATER MAIN |
| --- | EXISTING HYDRANT |
| --- | EXISTING SEWER MAIN |
| --- | EXISTING MANHOLE |
| --- | EXISTING WATER MAIN |
| --- | EXISTING LIGHT POLE |
| --- | EXISTING UTILITY POLE |
| --- | EXISTING OVERHEAD WIRE |
| --- | BUILDING MOUNTED LIGHTS |
| --- | LIGHT POLE |
| --- | BOLLARD LIGHT |
| --- | PROPOSED CONTOURS |
| --- | PROPOSED CONTOURS |
| --- | PROPOSED WATER MAIN |
| --- | PROPOSED HYDRANT & VALVE |
| --- | PROPOSED SAN. SEWER |
| --- | PROPOSED STORM SEWER |
| --- | PROPOSED ROOF DRAIN |
| --- | PROPOSED STORM MANHOLE |
| --- | PROPOSED STORM MANHOLE |



EXISTING SITE COVERAGE STATISTICS

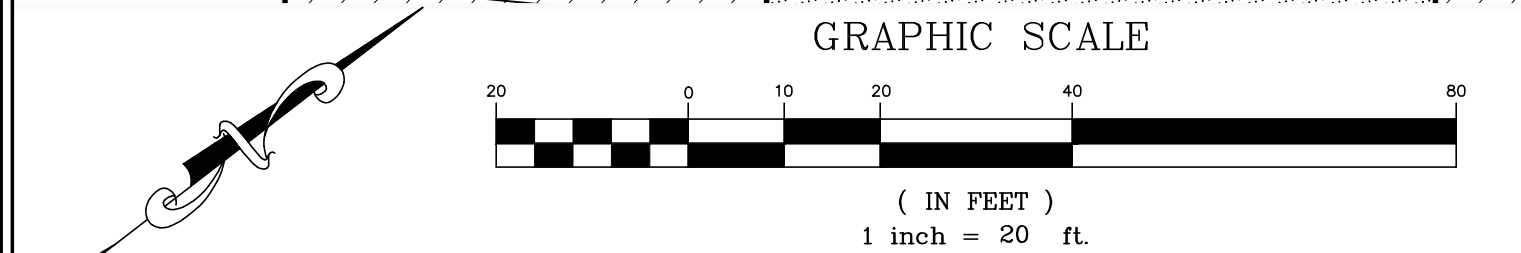
DESCRIPTION	S.F.	ACRES	%
GROSS SITE AREA	78,153	1.79	100.00%
IMPERVIOUS AREA	0	0	0
BUILDING COVERAGE	0	0	0
PAVEMENT/SIDEWALK COVERAGE	0	0	0
PERVIOUS AREA	78,153	1.79	100.00

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

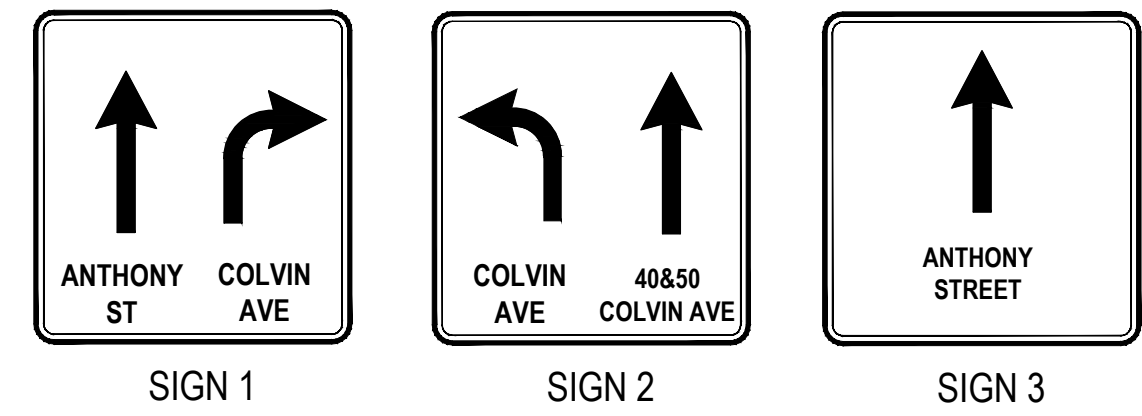
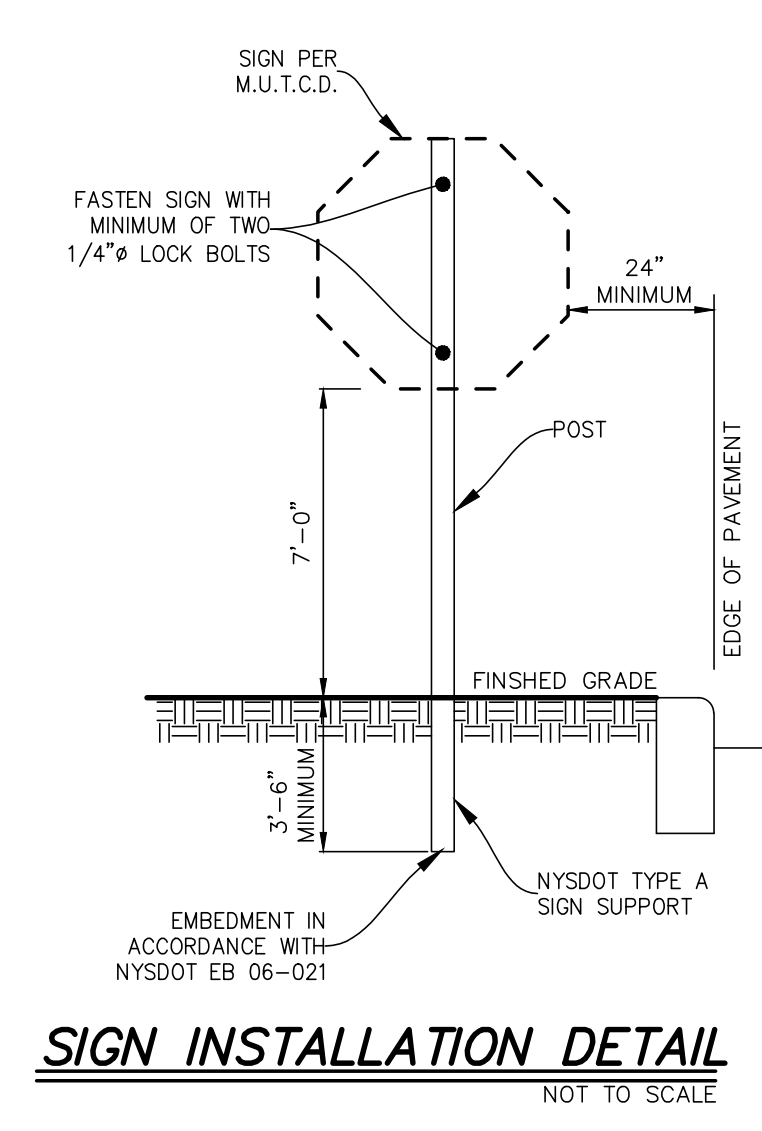
NOTES

- 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
- A GRADING PERMIT IS REQUIRED. CONTRACTOR TO CONTACT PATRICK MCCUTCHEON, ENGINEERING DEPARTMENT (518-434-2387) FOR APPLICATION AND REVIEW.
- CONTRACTOR IS TO PROVIDE 48 HOURS NOTICE TO THE DEPARTMENT OF WATER PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY. IN ADDITION, THE CONTRACTOR SHALL CALL 48 HOURS IN ADVANCE TO SCHEDULE INSPECTIONS.
- WATER AND SEWER PERMITS WILL BE REQUIRED PRIOR TO THE START OF CONSTRUCTION.



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)	30	
	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



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 C17-C18.

STREET EQUIPMENT:
BENCHES 2
BIKE RACKS 2
PLANTERS 7

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
PROFESSIONAL ENGINEER & LAND SURVEYOR
044228

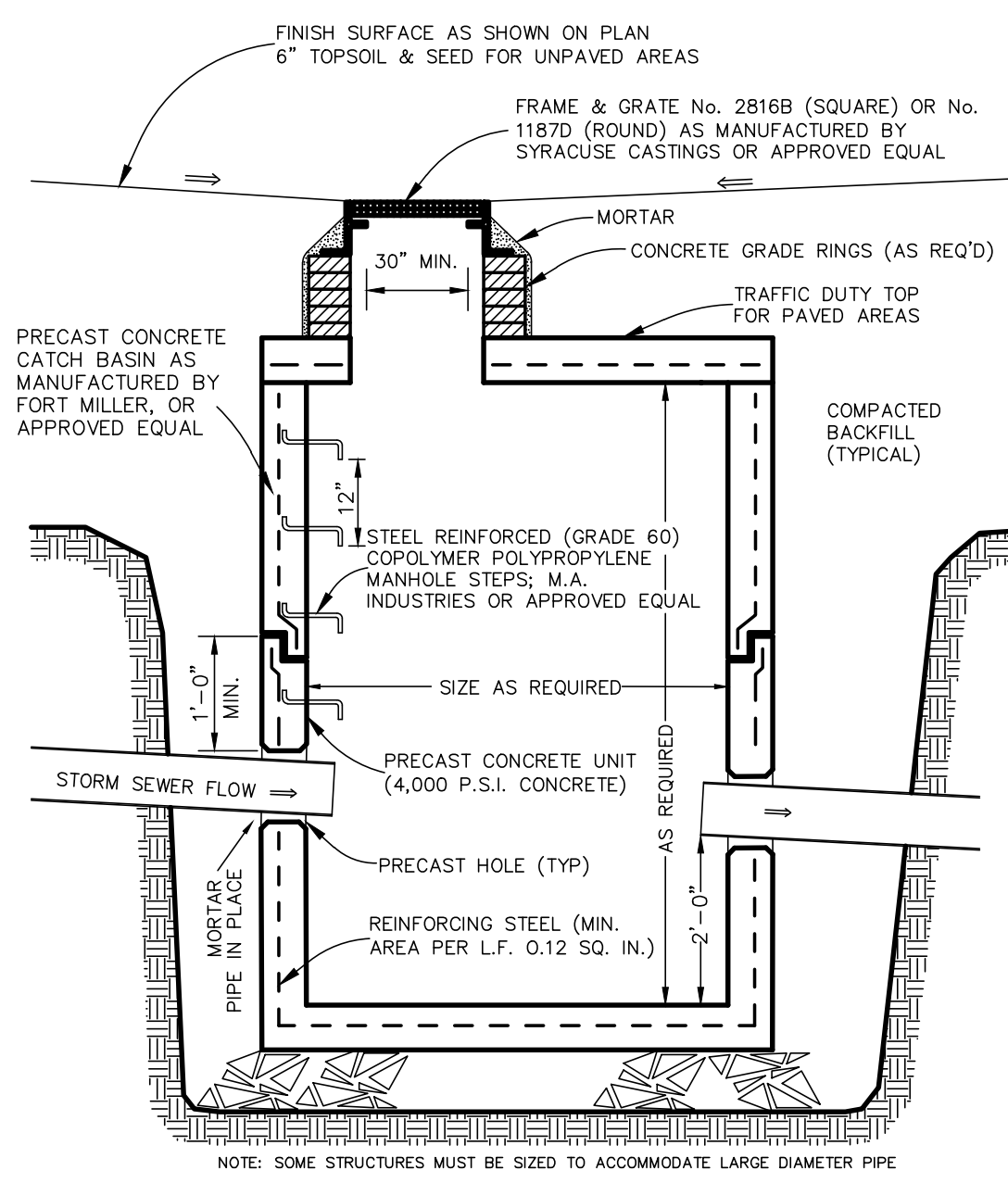
DATE	REVISIONS
6/29/20	RESPONSE REVISIONS
8/4/20	RESPONSE REVISIONS
11/9/20	BUILDING REVISIONS
11/29/20	BUILDING REVISIONS

REVISIONS

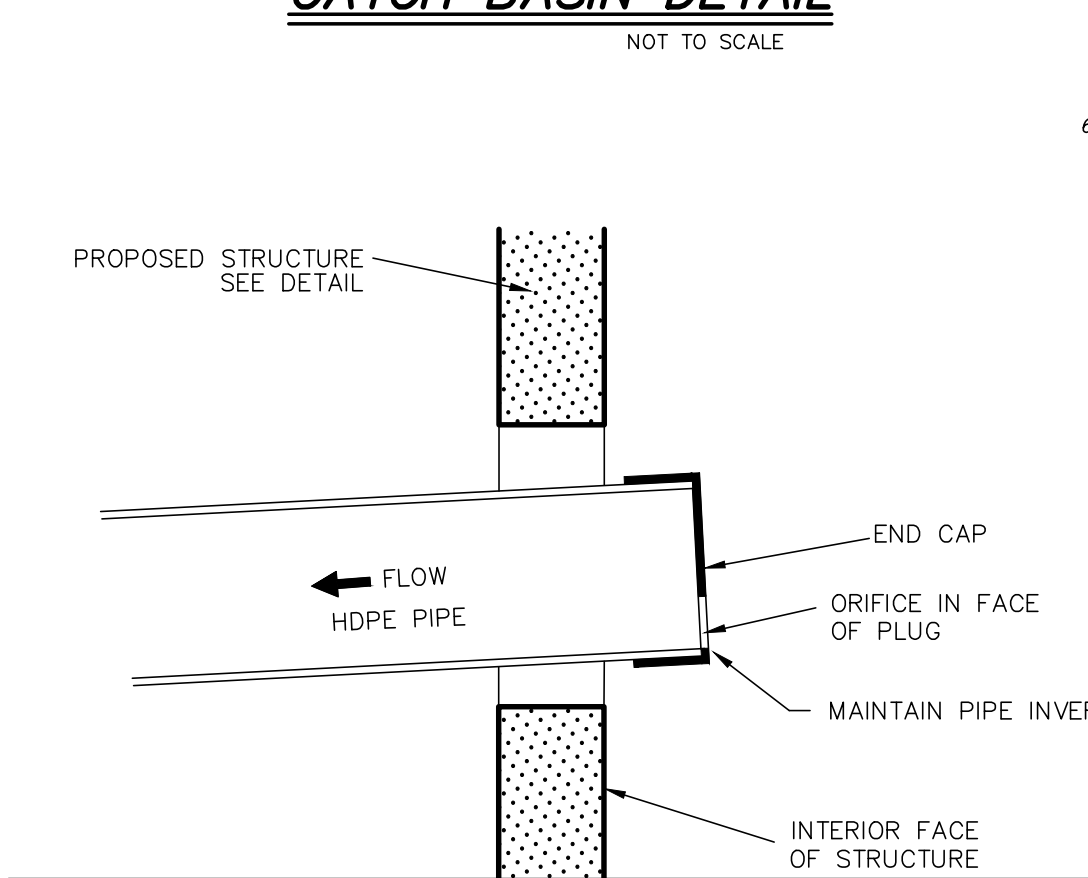
SITE PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

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

C2 OF 19



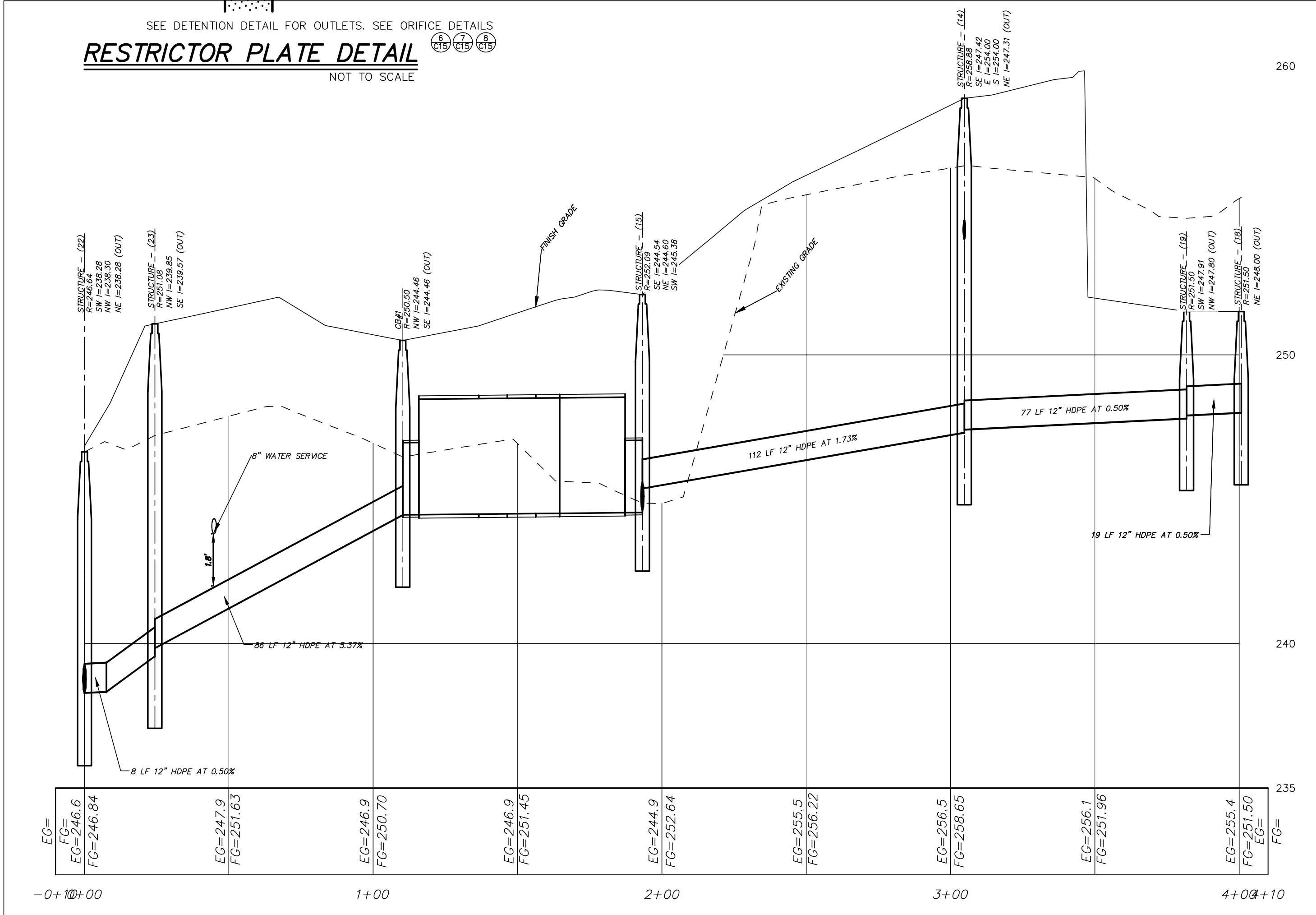
CATCH BASIN DETAIL
NOT TO SCALE



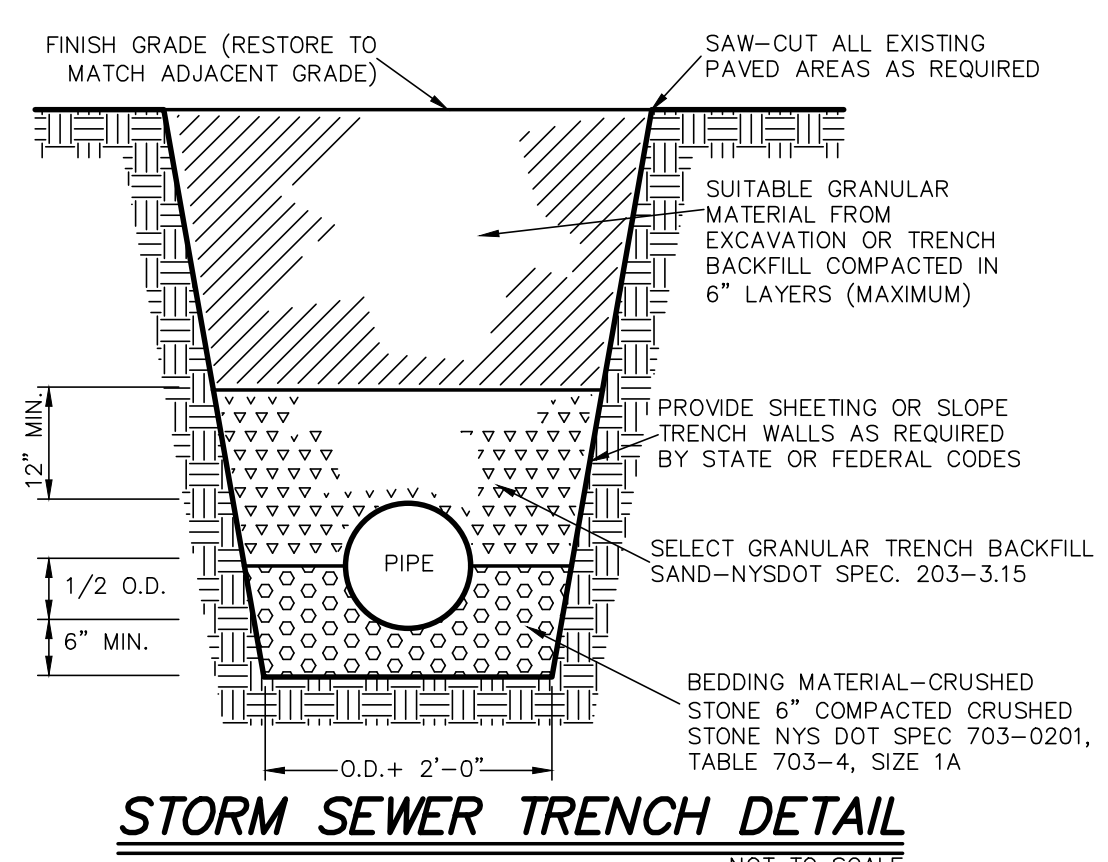
PLAN DETENTION MANHOLE PIPE STORAGE DETAIL
NOT TO SCALE



RESTRICTOR PLATE DETAIL
NOT TO SCALE

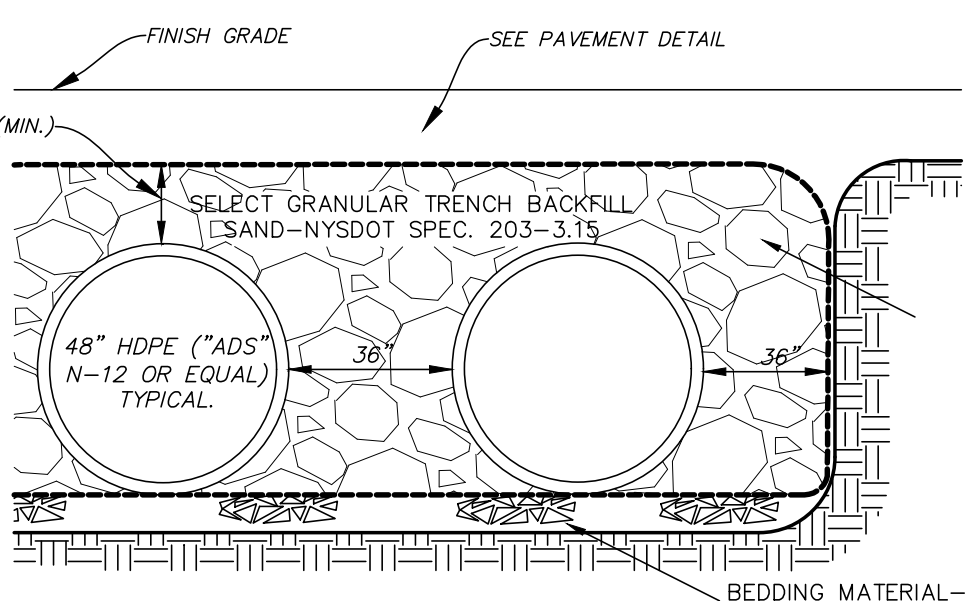


STORM SEWER PROFILE
SCALE: (H) 1"=30'
SCALE: (V) 1"=3'

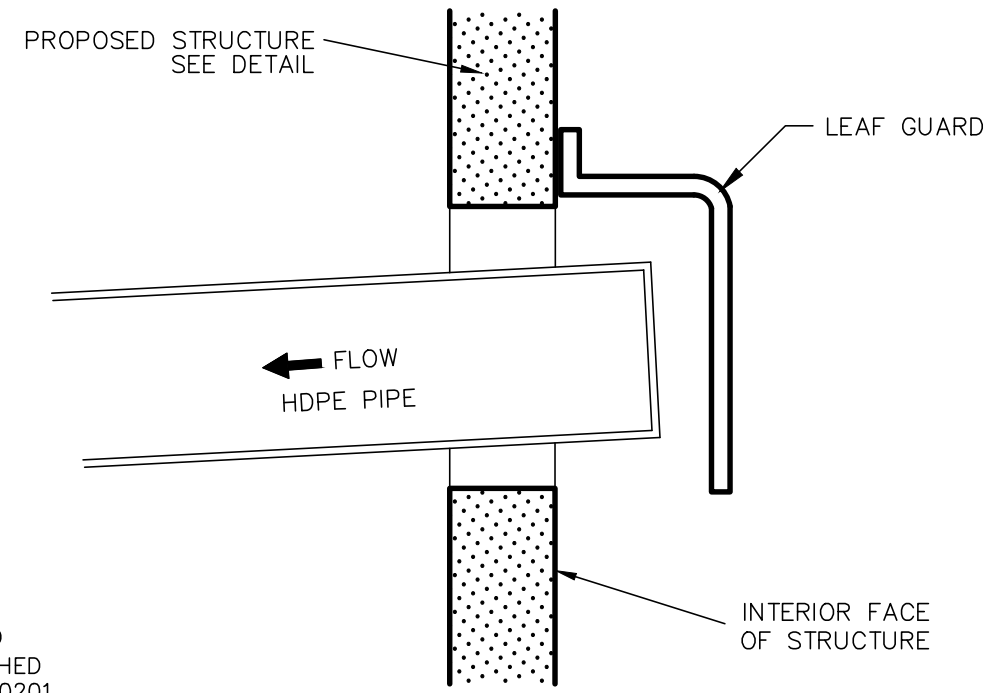


STORM SEWER TRENCH DETAIL
NOT TO SCALE

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.

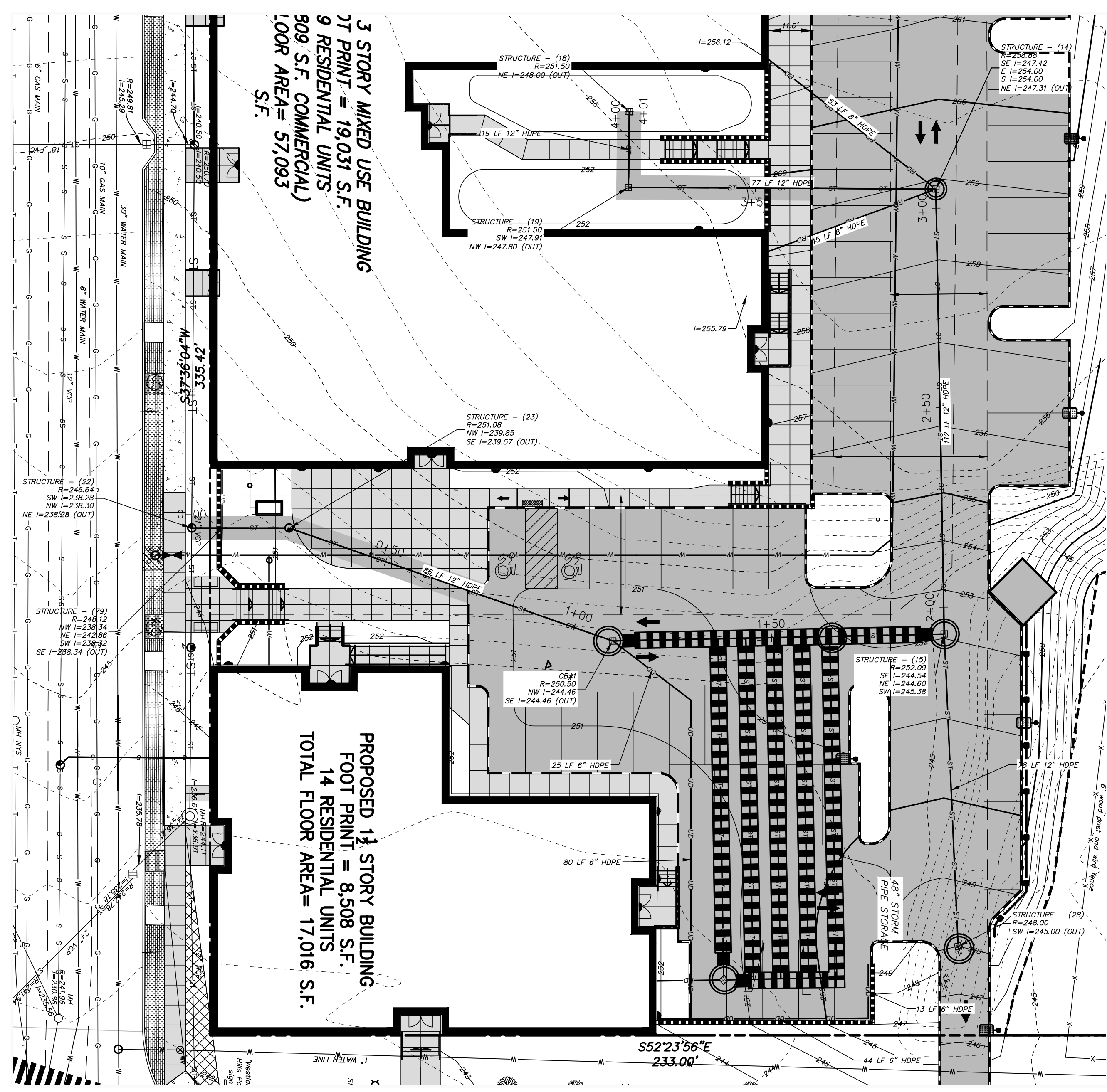


DETENTION GALLERY SECTION
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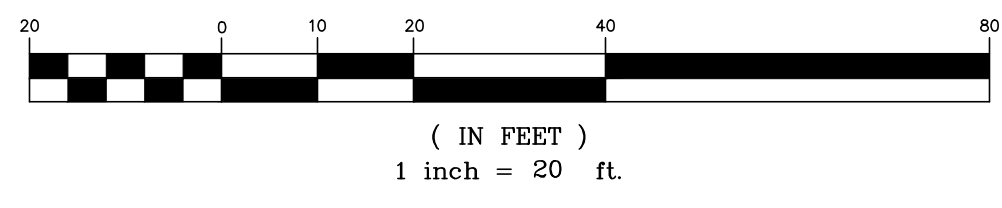


LEAF GUARD DETAIL
NOT TO SCALE

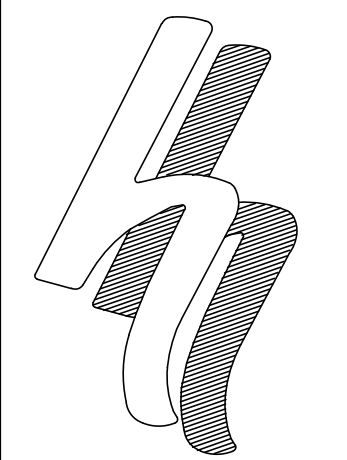
LEGEND	
	EXISTING TELEPHONE
	EXISTING CONTOURS
	EXISTING WATER MAIN
	EXISTING HYDRANT
	EXISTING SEWER MAIN
	EXISTING MANHOLE
	EXISTING WATER MAIN
	EXISTING LIGHT POLE
	EXISTING UTILITY POLE
	EXISTING OVERHEAD WIRE
	BUILDING MOUNTED LIGHTS
	BOLLARD LIGHT
	PROPOSED CONTOURS
	PROPOSED BUILDING
	PROPOSED RETAINING WALL
	PROPOSED PAVEMENT
	PROPOSED SIDEWALK AND RAMP
	PROPOSED CONCRETE PAVEMENT
	PROPOSED WATER MAIN
	PROPOSED HYDRANT & VALVE
	PROPOSED SAN. SEWER
	PROPOSED STORM SEWER
	PROPOSED ROOF DRAIN
	PROPOSED STORM MANHOLE



GRAPHIC SCALE



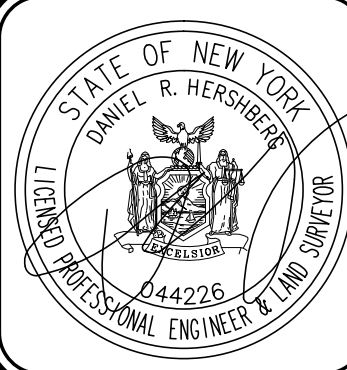
STORM SEWER PLAN
SCALE: 1"=20'



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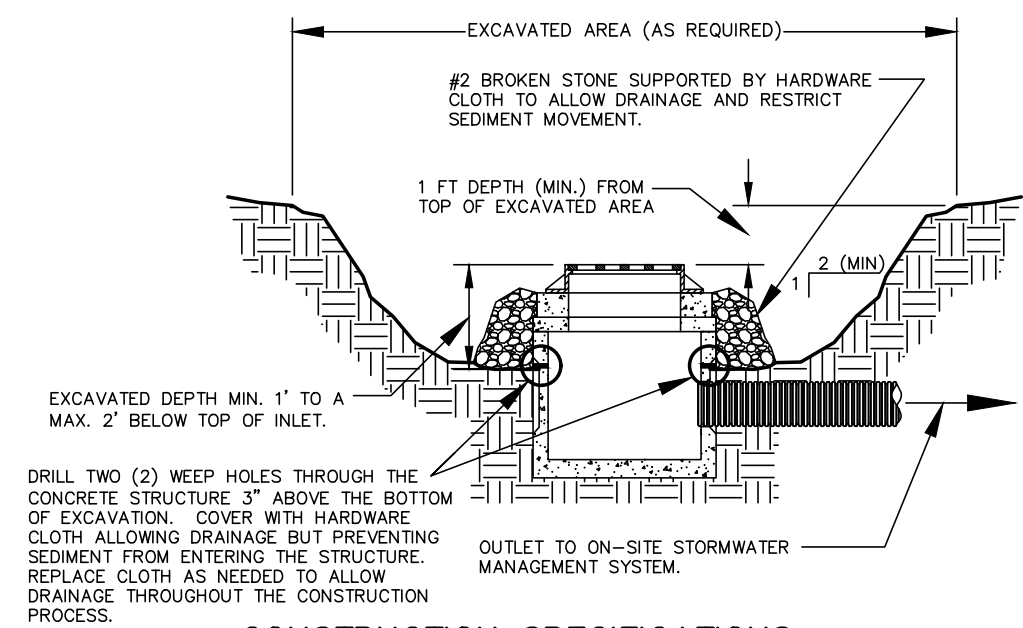
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DATE	REVISIONS
6/29/20	JANUARY 23, 2019 REVIEW MEMO
8/4/20	RESPONSE REVISIONS
11/3/20	RESPONSE REVISIONS
11/29/20	BUILDING REVISIONS

SWPPP PLAN AND DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

SCALE: AS SHOWN
DATE: 6/19/2020
CHK: DRW
BY: AS
FILE: 190162



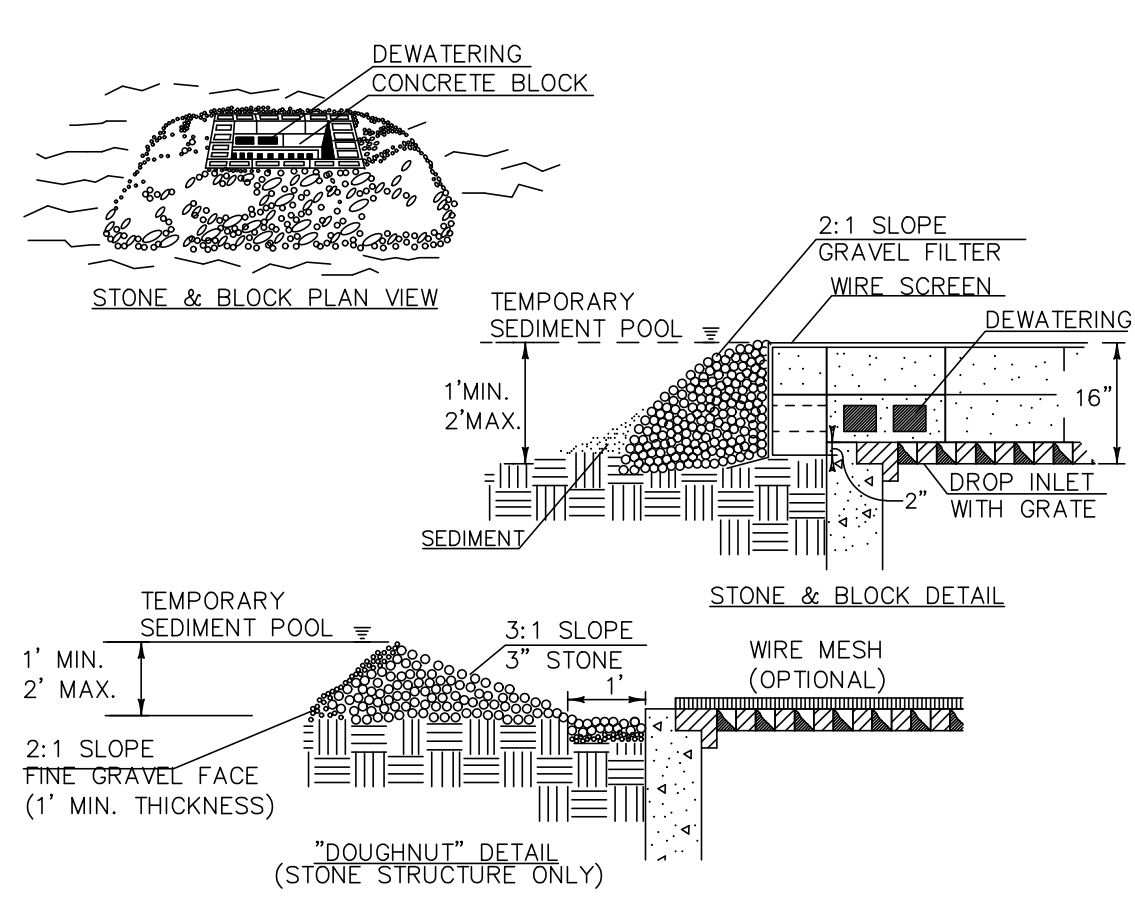
- CONSTRUCTION SPECIFICATIONS:**
1. INSTALL INLET PROTECTION IN ACCORDANCE WITH THE JULY 2016 "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL".
 2. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
 3. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
 4. WEEP HOLES SHALL BE PROTECTED BY 2" 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 THAN 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 800 CUBIC FEET PER ACRE OF DISTURBED AREA. WEEP HOLES, PROTECTED BY FABRIC AND STONE, SHOULD BE PROVIDED FOR DRAINING THE TEMPORARY POOL.

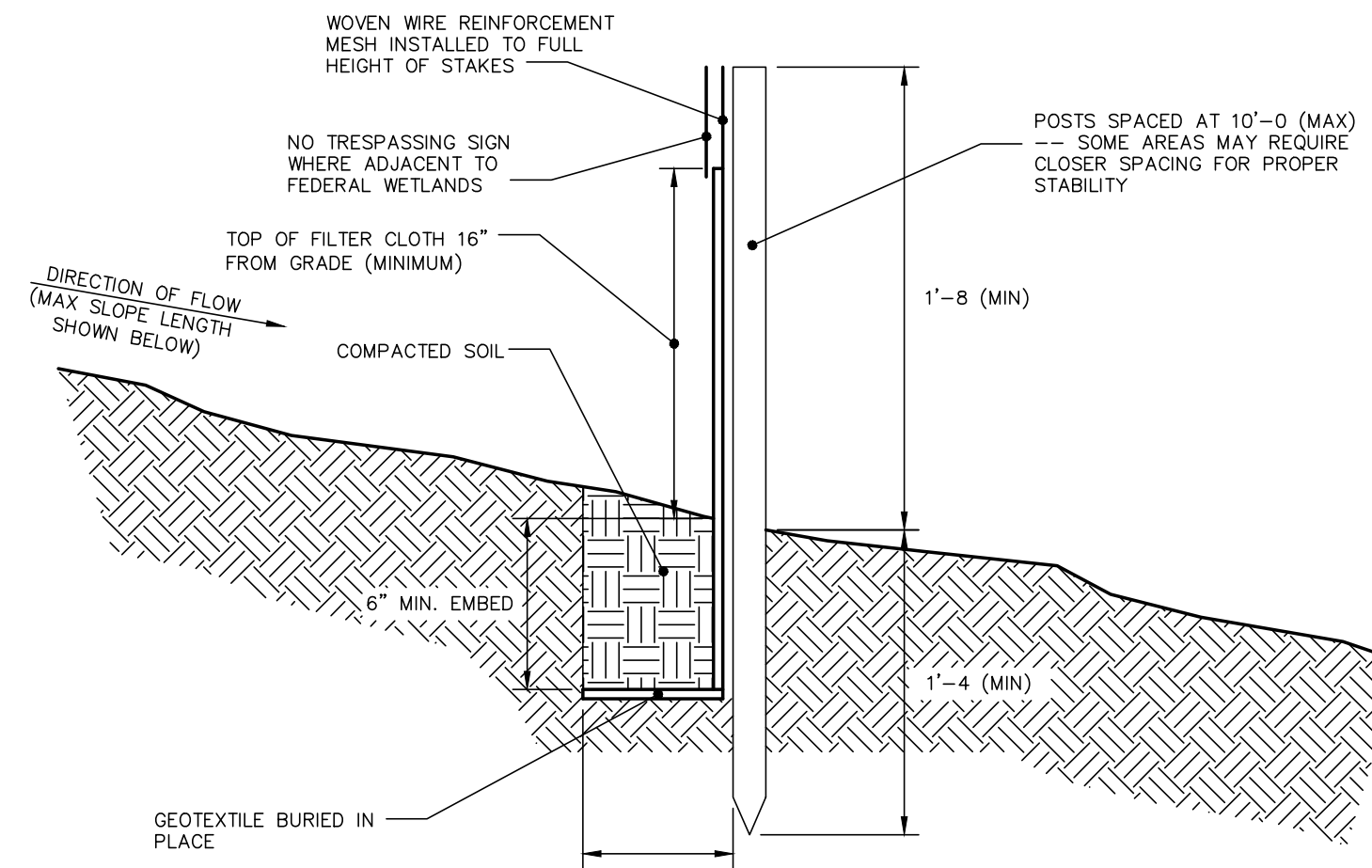
INSPECT AND CLEAN THE EXCAVATED BASIN AFTER EVERY STORM. SEDIMENT SHALL BE REMOVED WHEN 50 PERCENT OF THE STORAGE VOLUME IS ACHIEVED. THIS MATERIAL SHOULD BE INCORPORATED INTO THE SITE IN A STABILIZED MANNER.

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

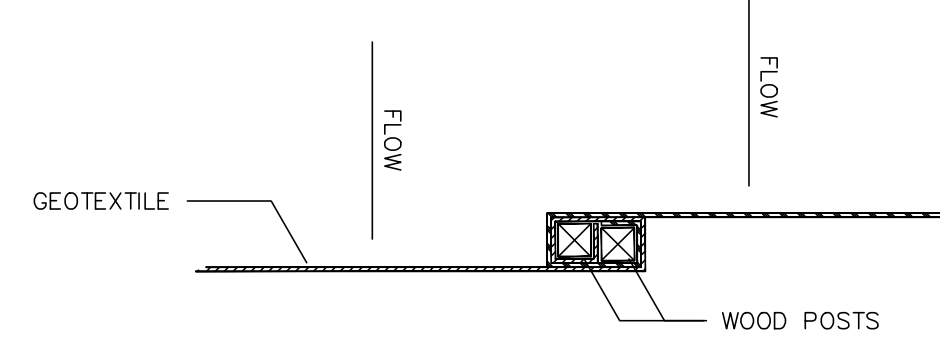
MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SECTION OF SILT FENCE SHALL BE AS FOLLOWS:

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

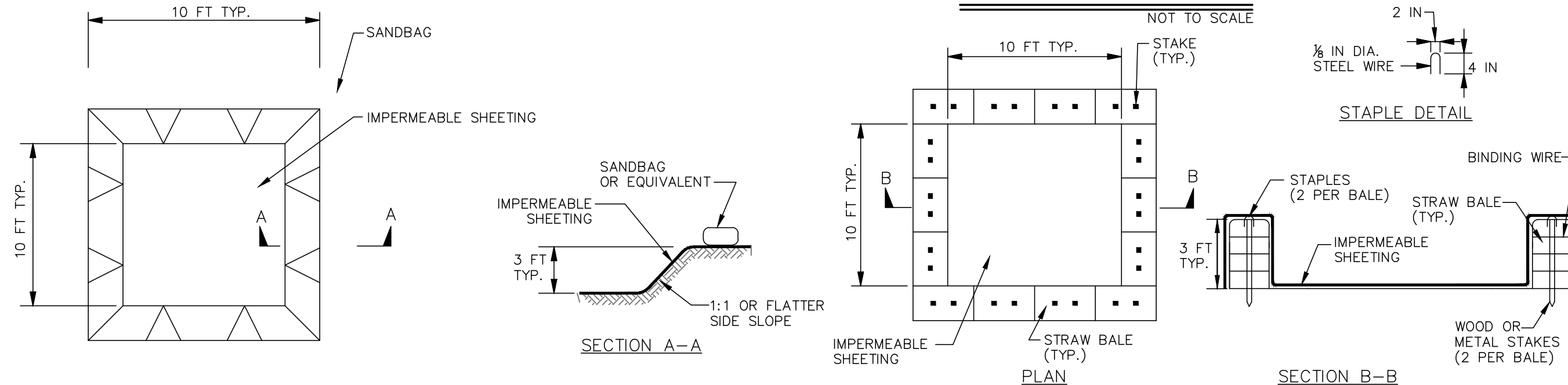
1. INSTALL SILT FENCE IN ACCORDANCE WITH "THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
2. WOVEN WIRE FENCE SHALL BE 12 1/2 GA., 6" MAXIMUM MESH OPENING, FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
3. FILTER CLOTH TO BE TO BE FASTENED SECURELY 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.



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

SILT FENCE JOINT DETAIL
NOT TO SCALE

SILT FENCE DETAIL
NOT TO SCALE



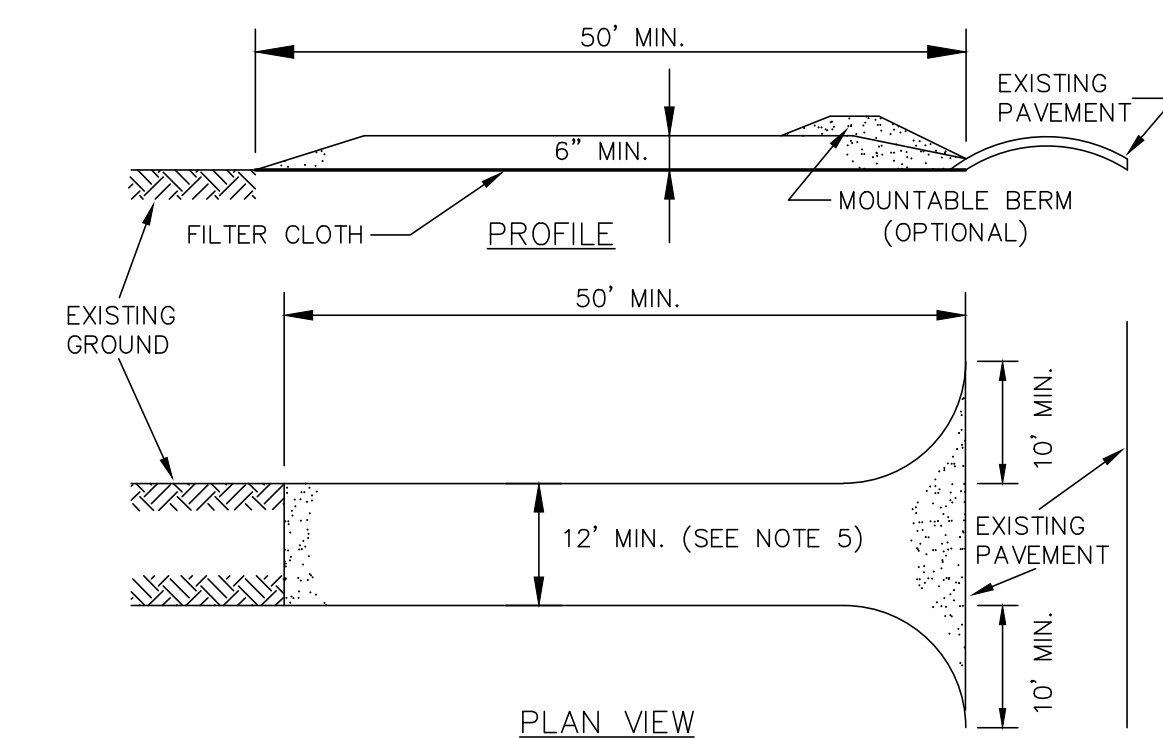
NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

WASHOUT STRUCTURE WITH STRAW BALES

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.

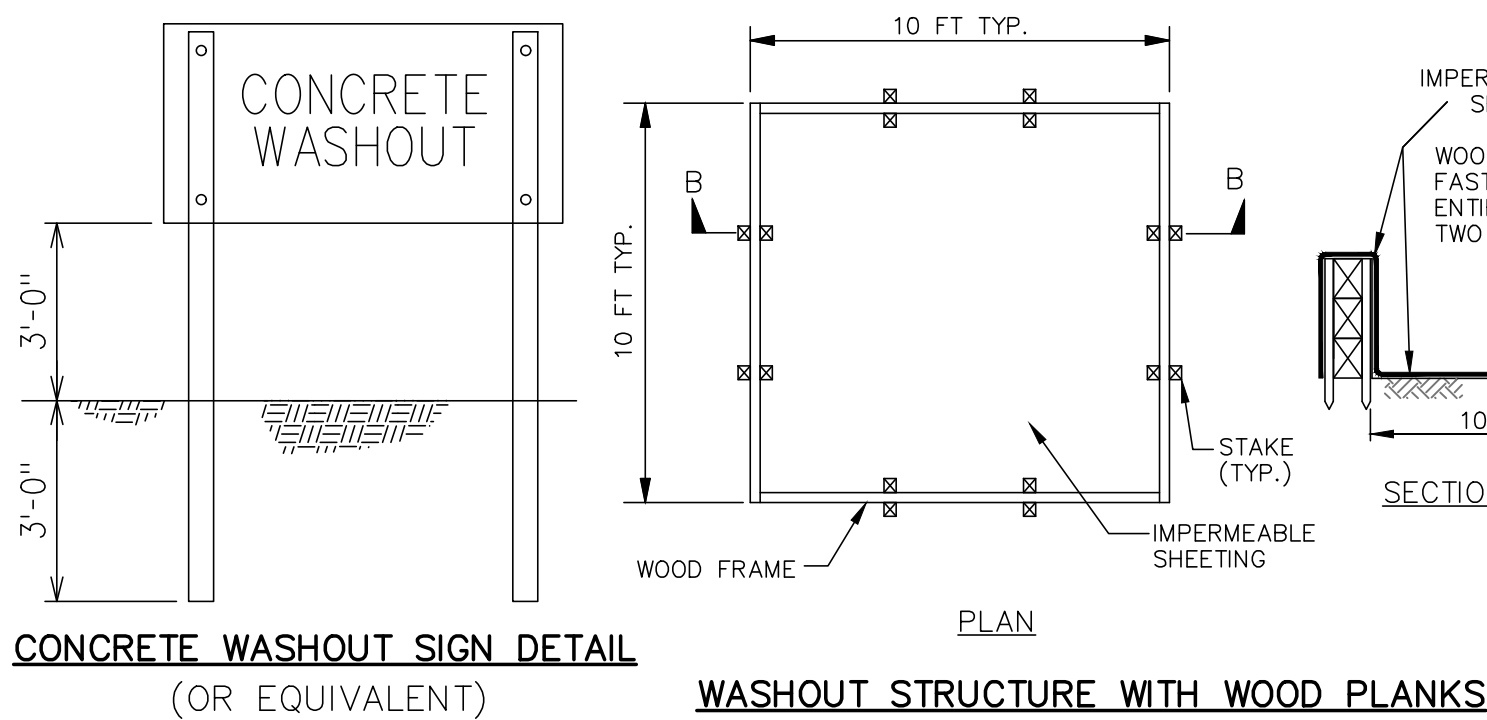
ONSITE CONCRETE TRUCK WASHOUT STRUCTURE DETAIL
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

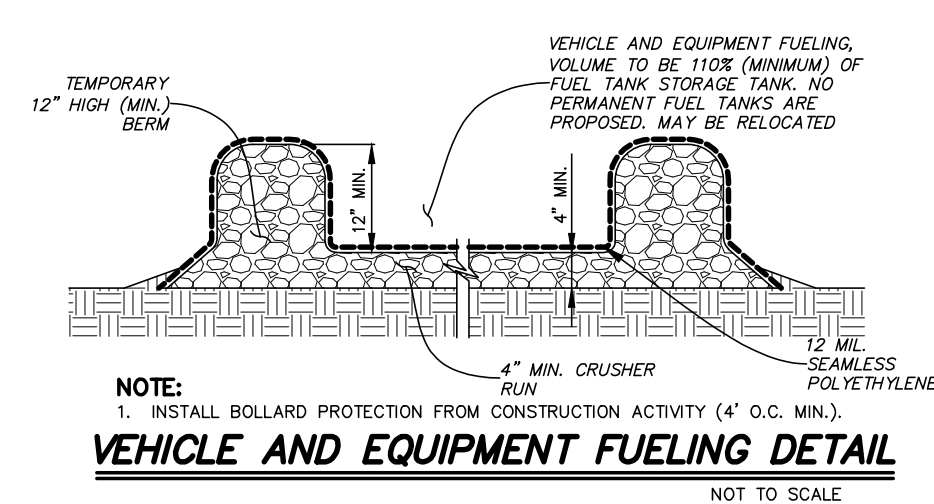
1. INSTALL CONSTRUCTION ACCESS IN ACCORDANCE WITH "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
2. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
3. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM 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.
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



CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)

WASHOUT STRUCTURE WITH WOOD PLANKS



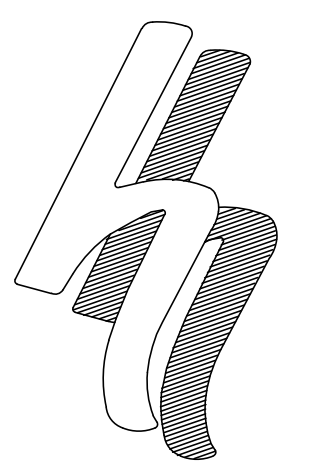
VEHICLE AND EQUIPMENT FUELING DETAIL
NOT TO SCALE

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 BE 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. SEEDING MUST BE SEEDING 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 HYPERGRASS (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 "AROSTOOK" 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 MUST BE REQUIRED WHERE WIND OR AREAS OF CONCENTRATED WATER ARE OF CONCERN. WOOD FIBER HYDROMULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON MESH OR MESH) MAY BE USED IF APPLIED ACCORDING TO MANUFACTURER'S 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 4-41.

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 CROSS-CROSS PATTERN ON SECURE TWINE AROUND EACH PEG WITH 2 OR MORE TIGHT TURNS. DRIVE PEGS FLUSH WITH SOIL, DRIVING STAKES INTO GROUND TIGHTLY TO 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 DRESS) 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.

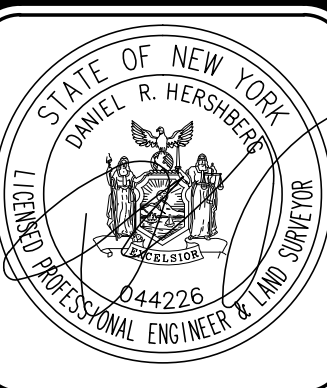
7. INSTALL PERMANENT RIP-RAP AT ALL PIPE END SECTIONS AT TIME OF INSTALLATION OF PIPE.
8. DURING EXCAVATION OF TEMPORARY SEDIMENT BASIN, FIELD VERIFY A MINIMUM OF 2' SEPARATION DISTANCE FROM GROUND WATER ELEVATION TO SURFACE SAND FILTERS WITH AN IMPERMEABLE BOTTOM AND 3' WITH A PERMEABLE BOTTOM. NOTIFY 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 SWEEP DAILY TO REMOVE ANY SEDIMENT AND ALL NEWLY PAVED AREAS SHALL BE DIRECTED TO THE TEMPORARY OR FINAL SEDIMENT CONTROL BASIN.



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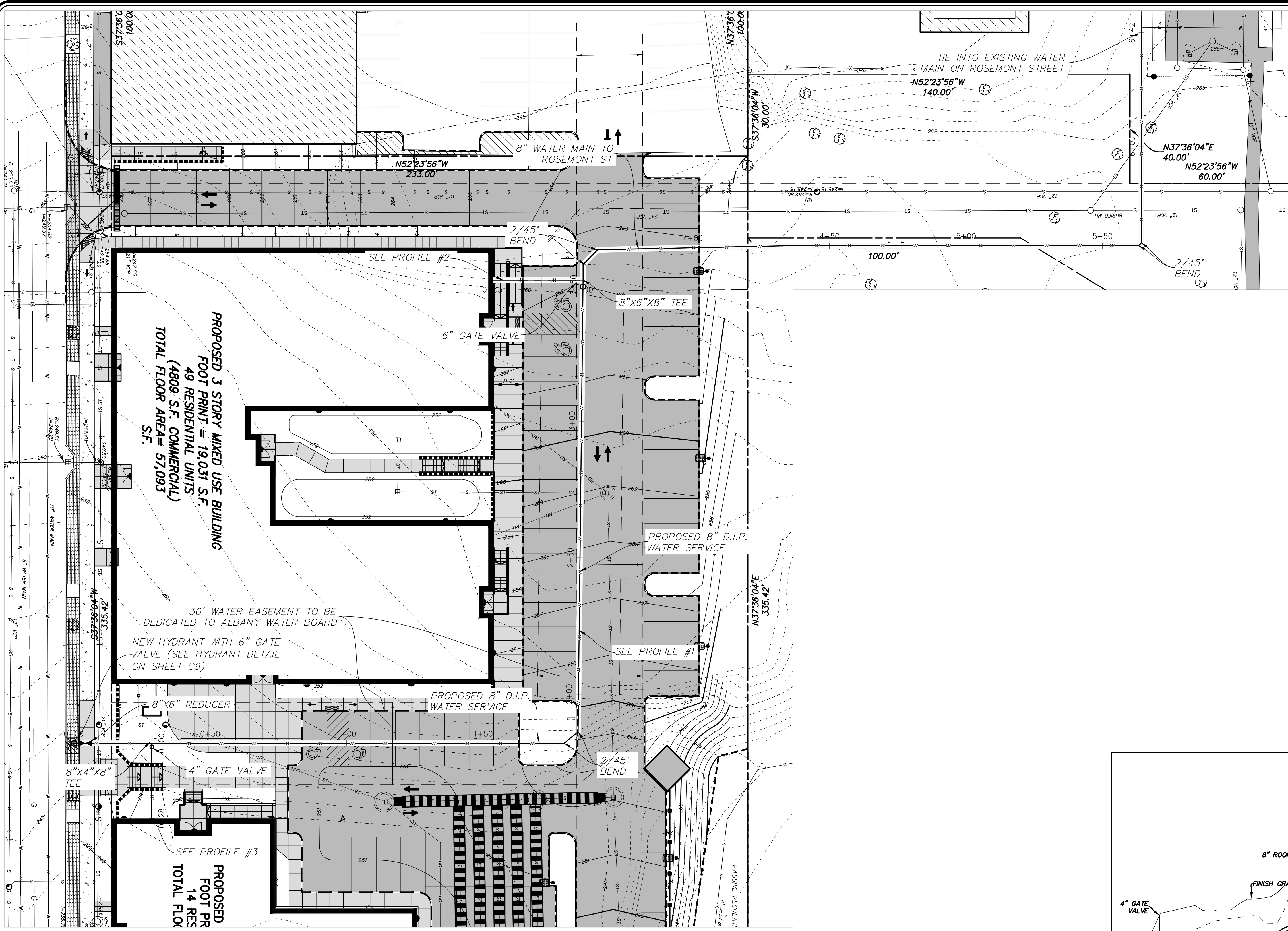
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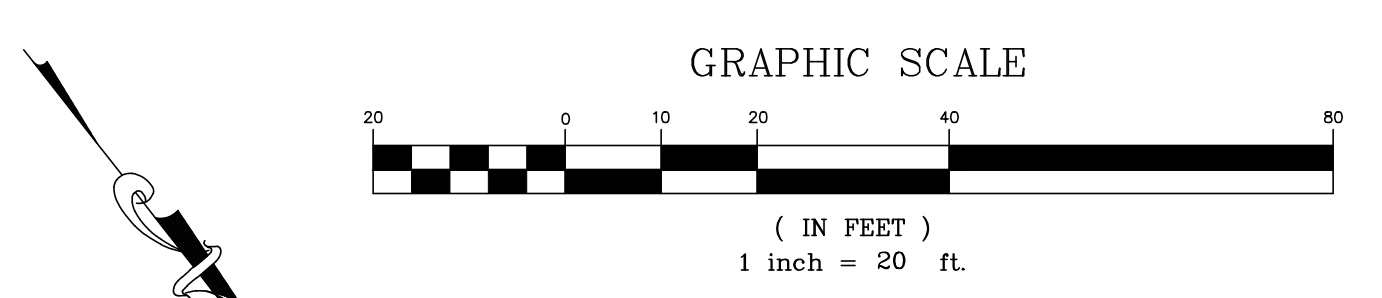
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EROSION AND SEDIMENT CONTROL DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

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FILE: 190162



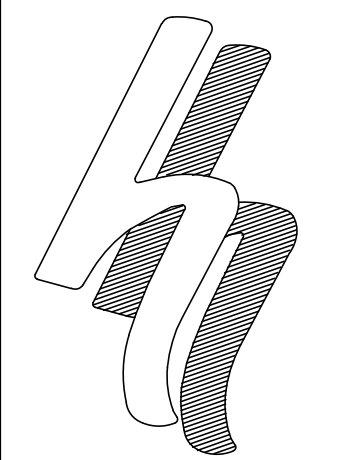
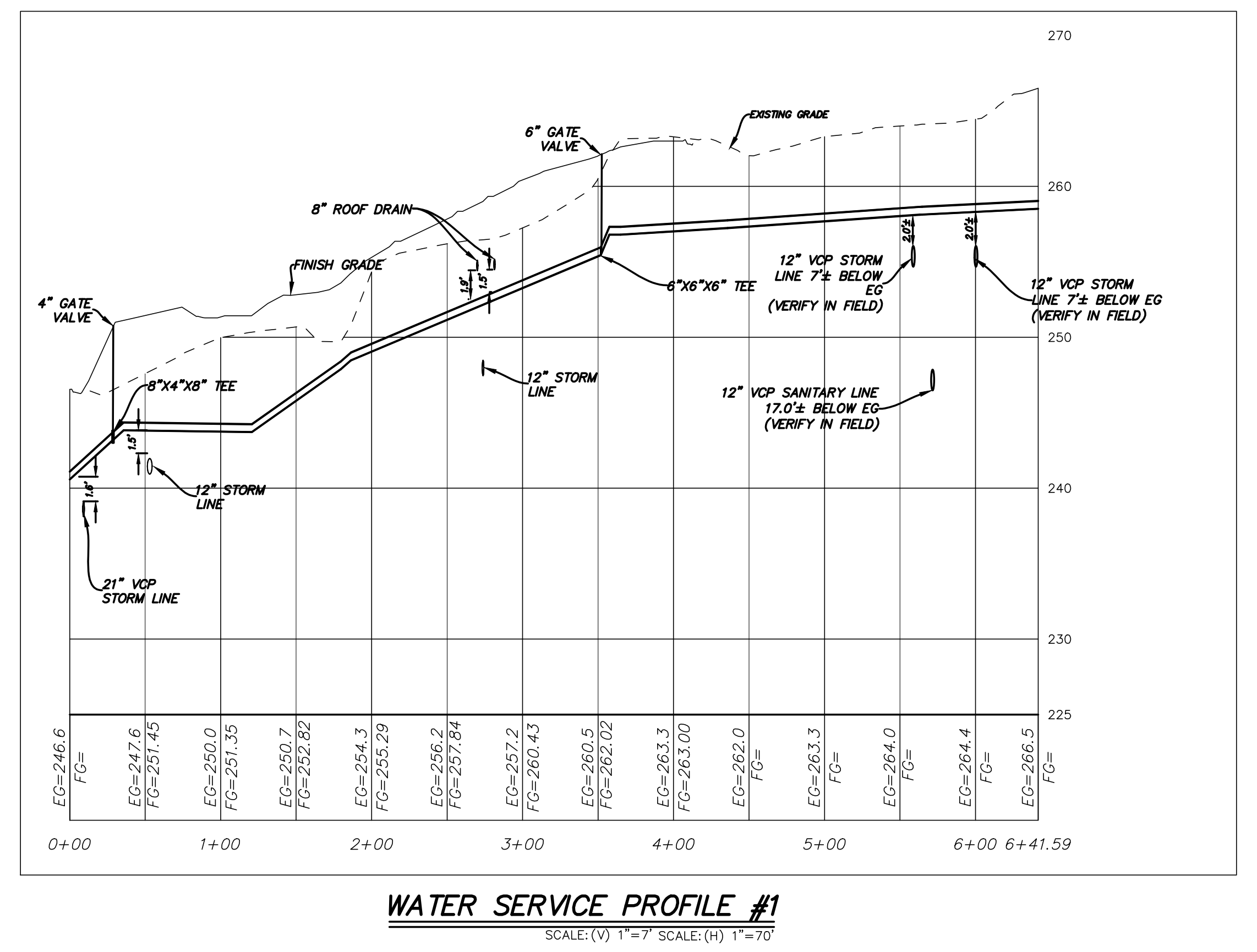
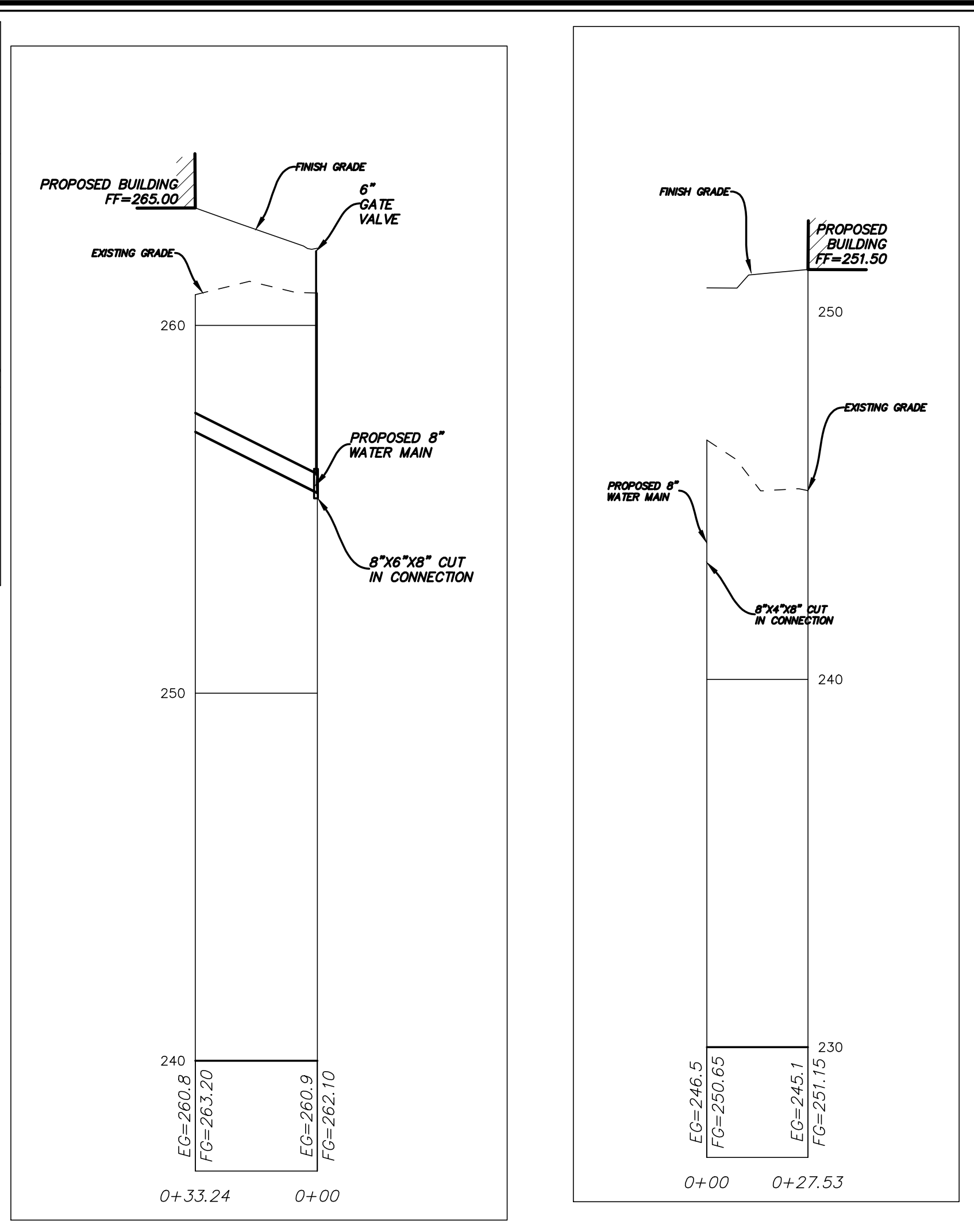
WATER PLAN
SCALE: 1"=20'



LEGEND

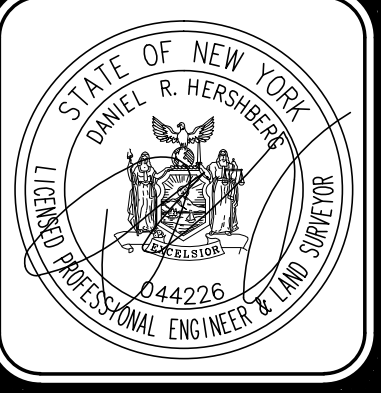
	EXISTING TELEPHONE
	HANDICAPPED PARKING
	STOP BAR
	TRAFFIC FLOW MARKING
	EXIST. TREE LINE
	FINISH GRADE SPOT ELEVATION
	PROPOSED BUILDING
	PROPOSED CURB
	PROPOSED RETAINING WALL
	PROPOSED PAVEMENT
	PROPOSED SIDEWALK AND HANDICAPPED RAMP
	PROPOSED CONCRETE PAVEMENT
	EXISTING CONTOURS
	EXISTING WATER MAIN
	EXISTING HYDRANT
	EXISTING SEWER MAIN
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	EXISTING UTILITY POLE
	EXISTING OVERHEAD WIRE
	BUILDING MOUNTED LIGHT POLE
	BOLLARD LIGHT
	PROPOSED CONTOURS
	PROPOSED WATER MAIN
	PROPOSED HYDRANT & VALVE
	PROPOSED SAN. SEWER
	PROPOSED STORM SEWER
	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.



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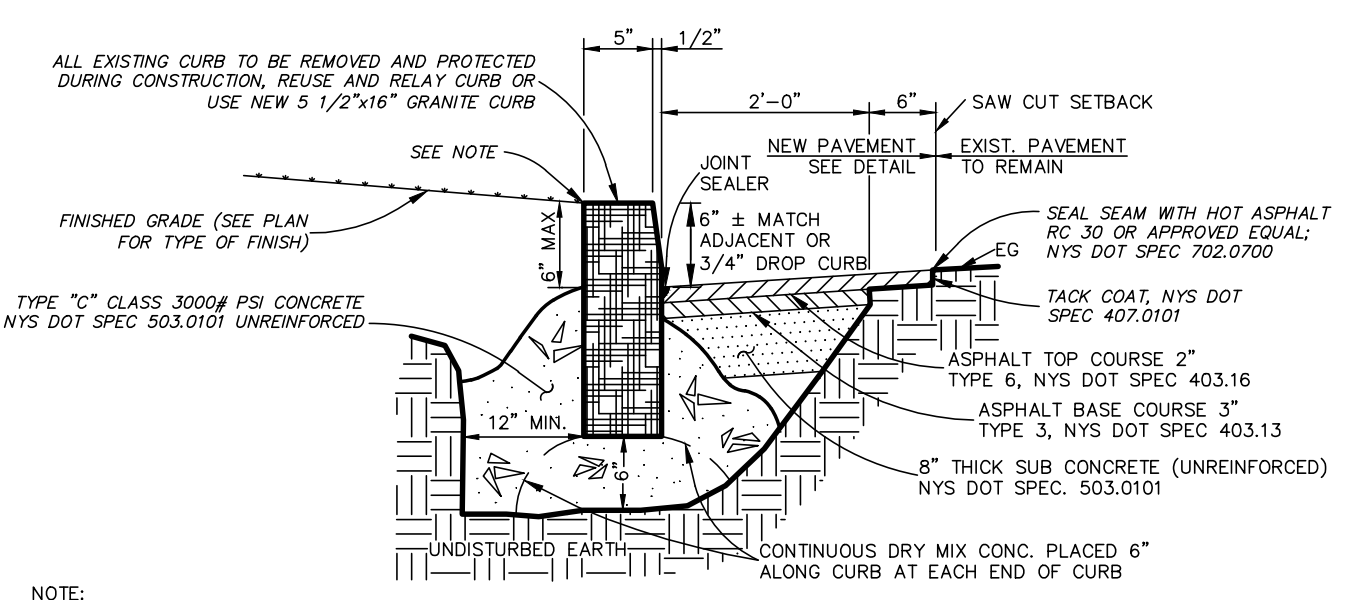


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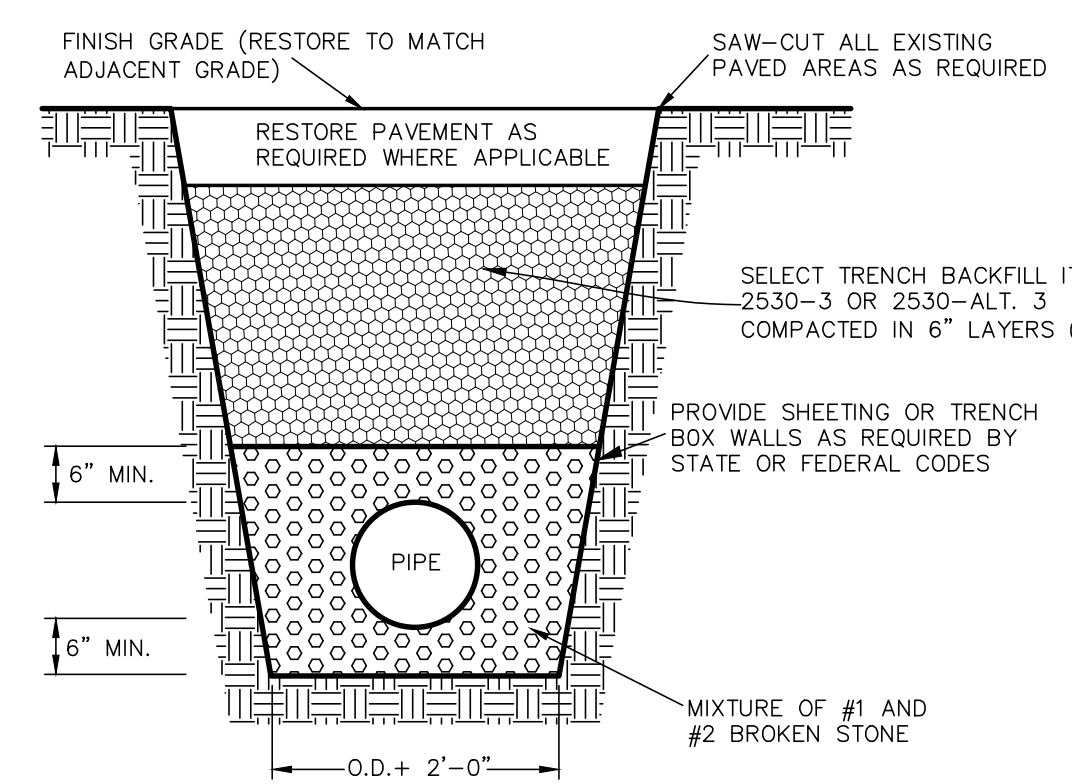
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8/4/20	RESPONSE REVISIONS
11/3/20	RESPONSE REVISIONS
11/29/20	BUILDING REVISIONS

**WATER PLAN FOR
60 COLVIN AVENUE
ALBANY, NEW YORK**

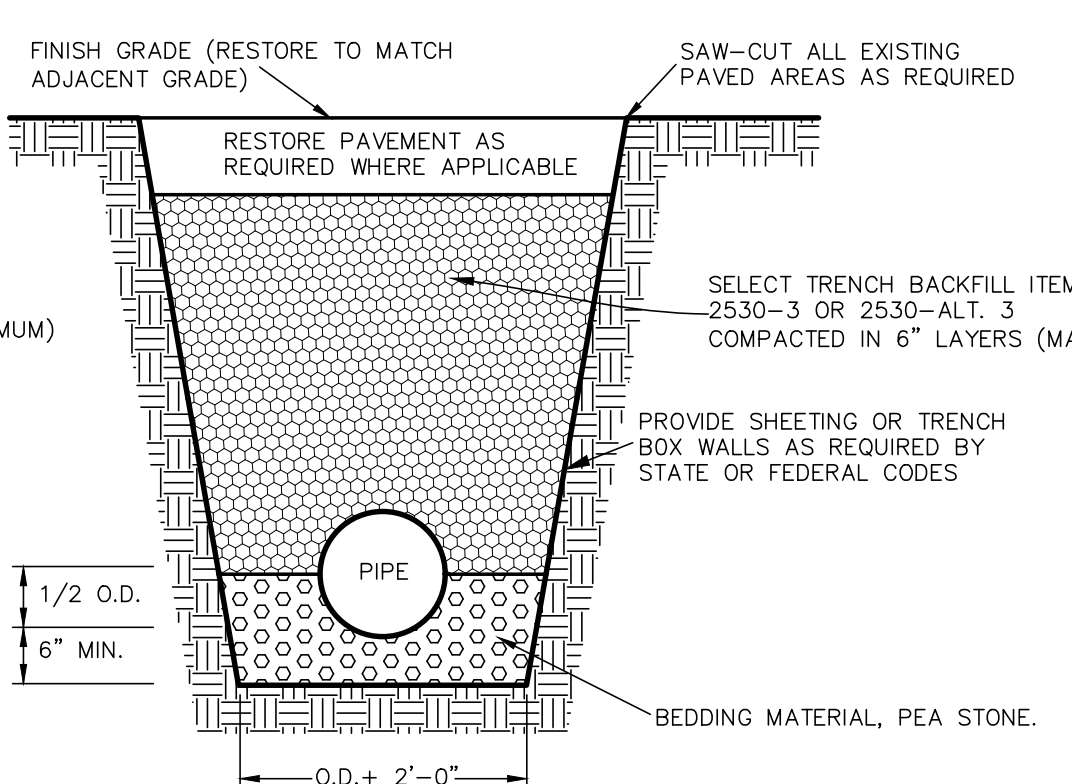
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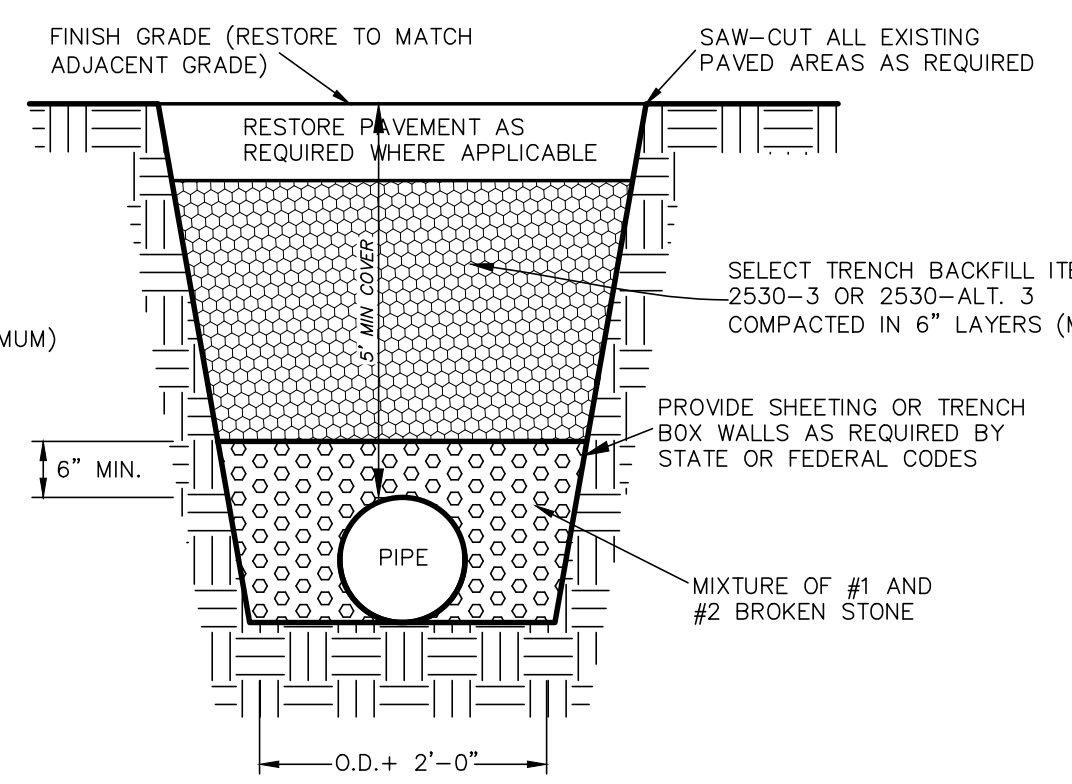
NEW OR RELAY CURB DETAIL (CITY R.O.W.)
NOT TO SCALE



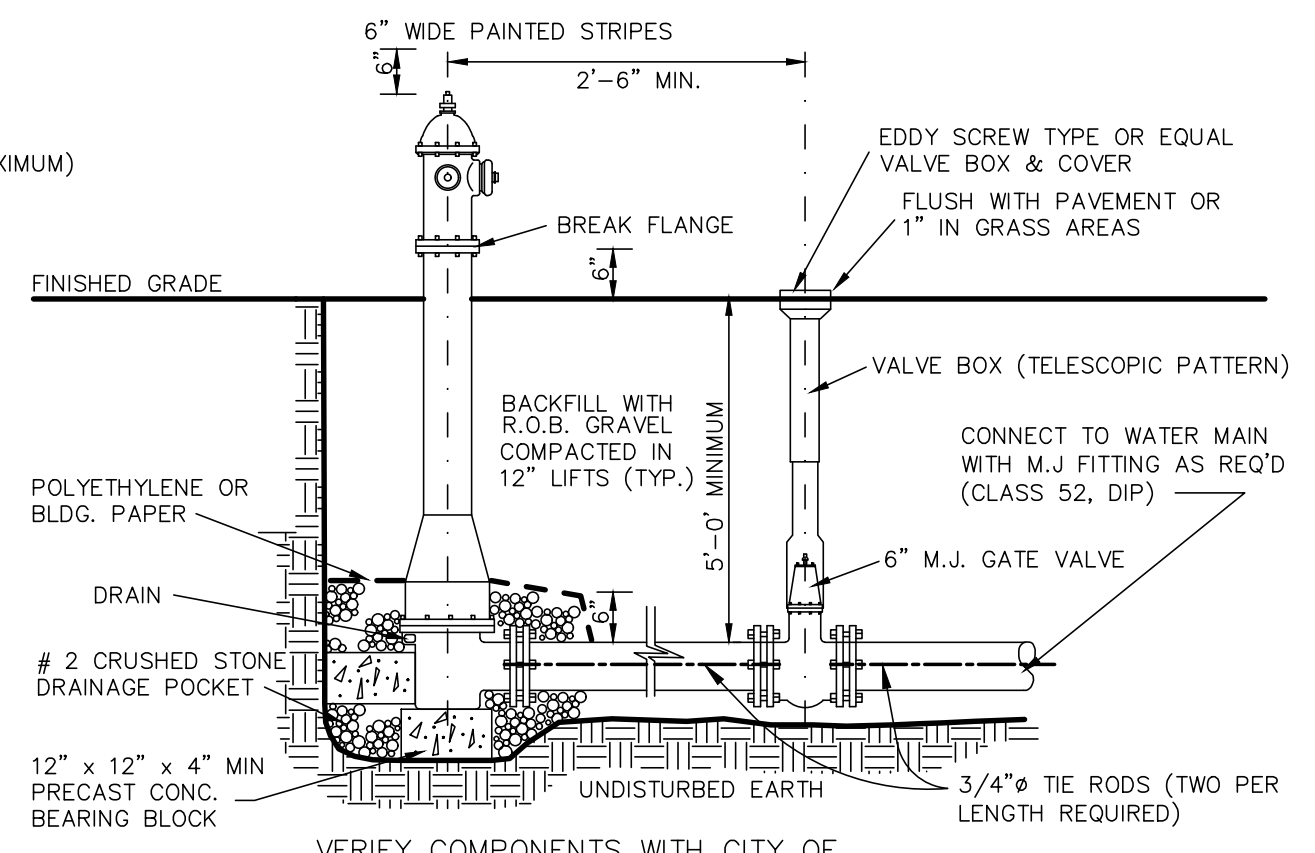
TYPICAL SANITARY SEWER TRENCH DETAIL
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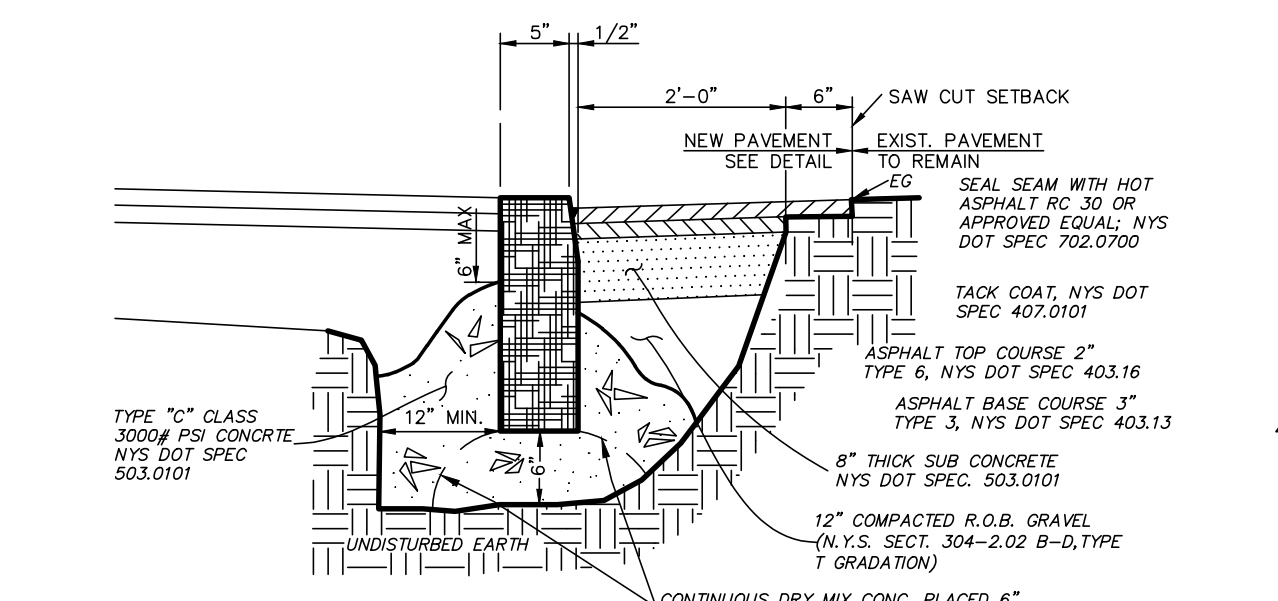
TYPICAL STORM SEWER TRENCH DETAIL
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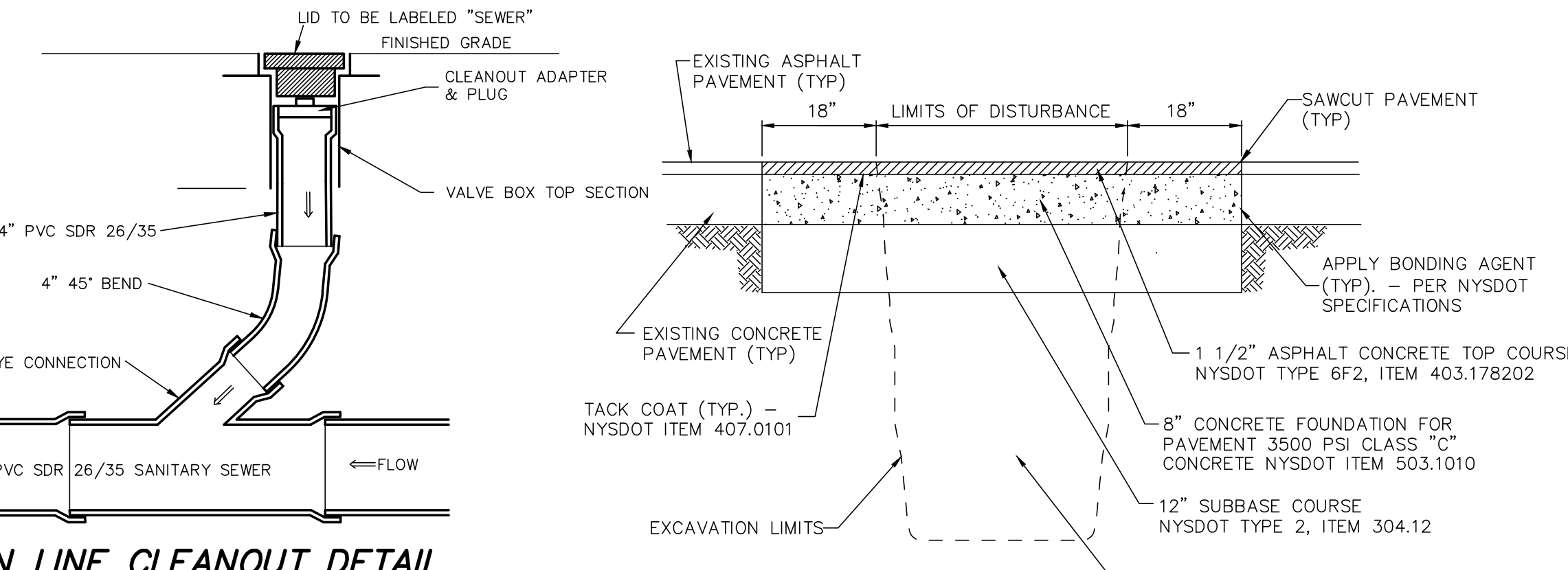
TYPICAL WATER PIPE TRENCH DETAIL
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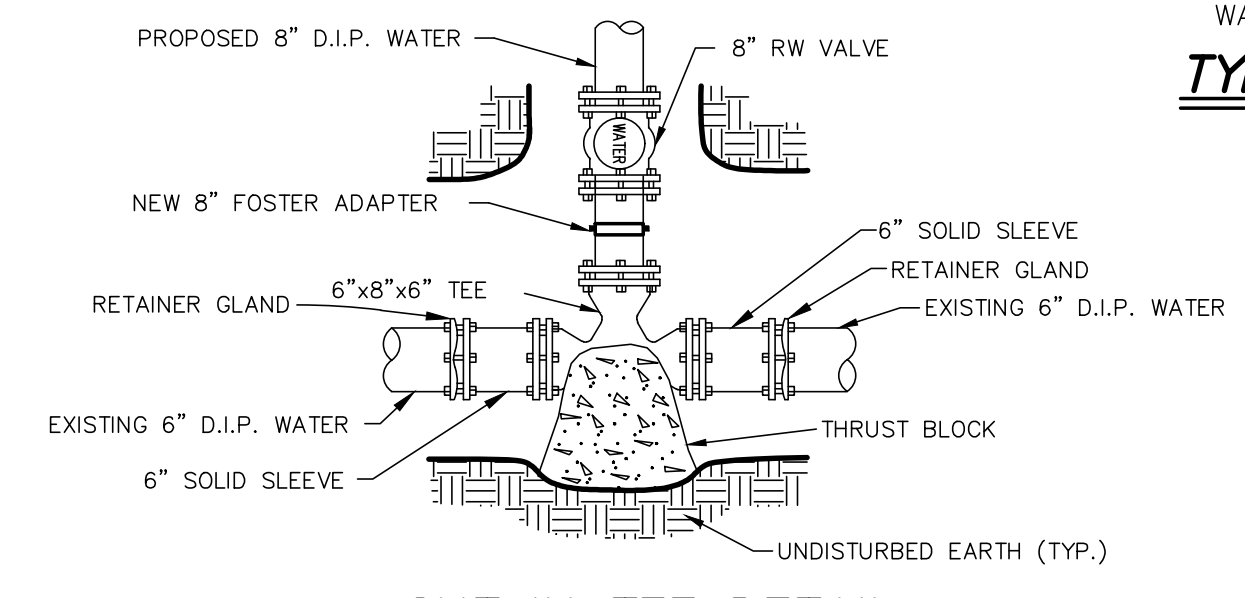
TYPICAL HYDRANT DETAIL
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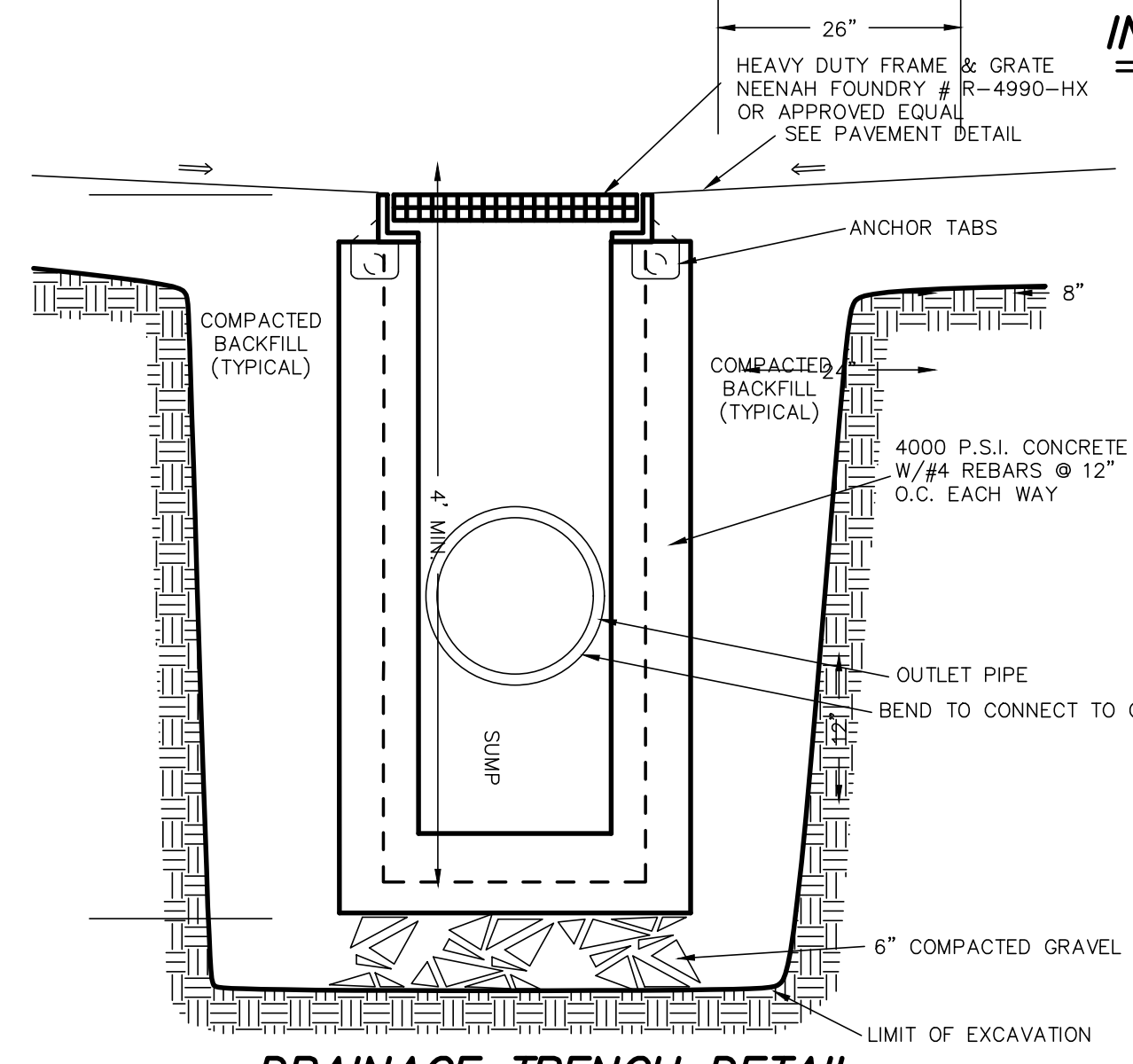
GRANITE DROP CURB DETAIL
NOT TO SCALE



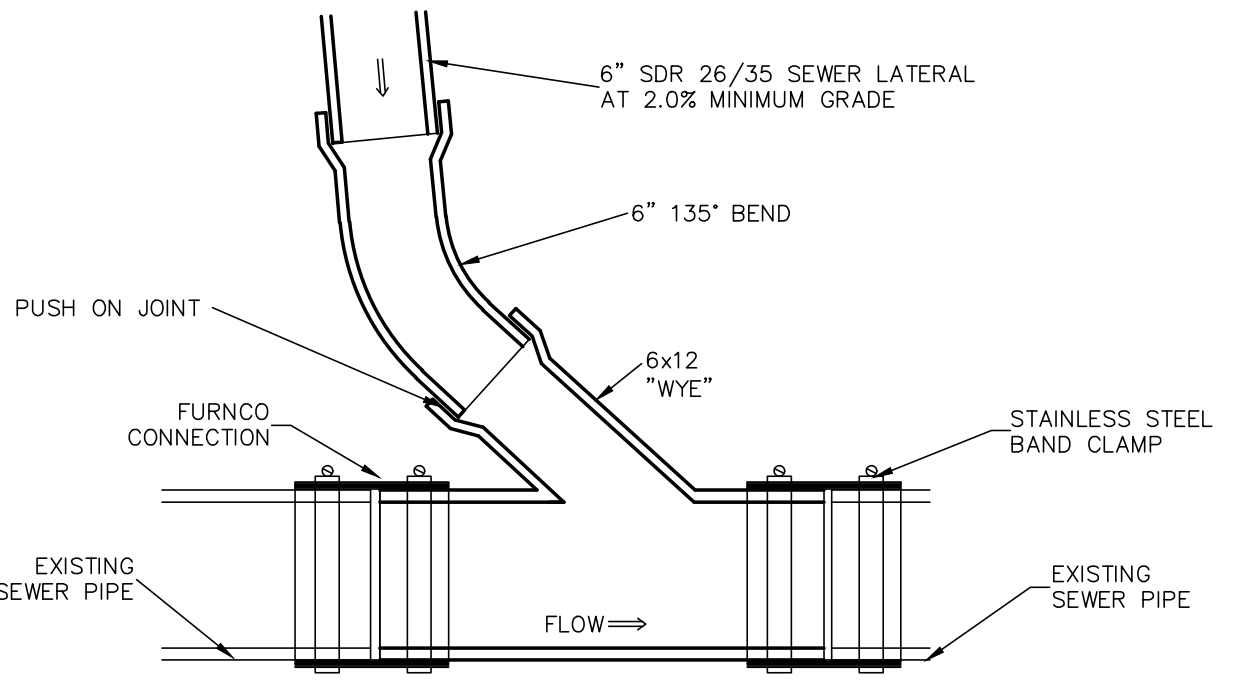
IN LINE CLEANOUT DETAIL
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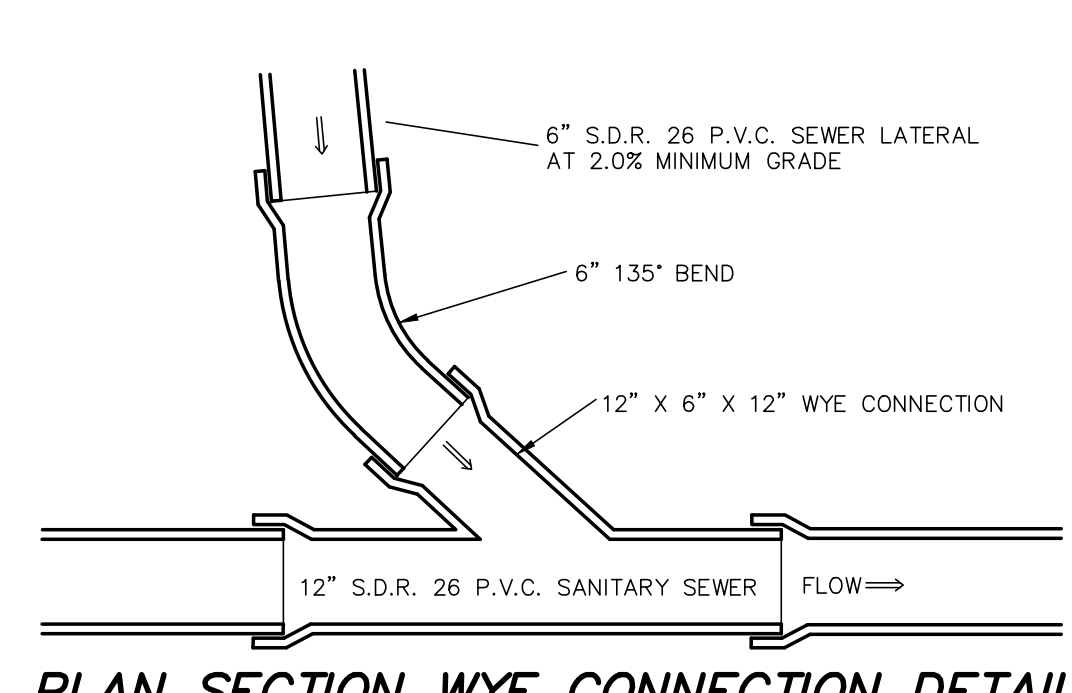
CUT IN TEE DETAIL
NOT TO SCALE



DRAINAGE TRENCH DETAIL
NOT TO SCALE



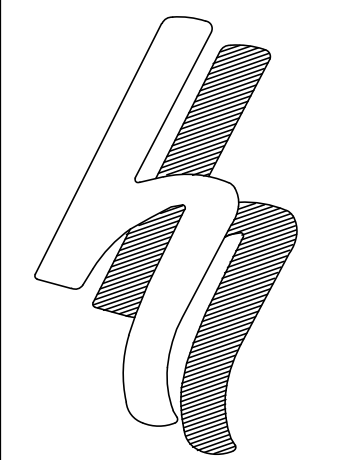
PLAN SECTION WYE CONNECTION DETAIL
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PLAN SECTION WYE CONNECTION DETAIL
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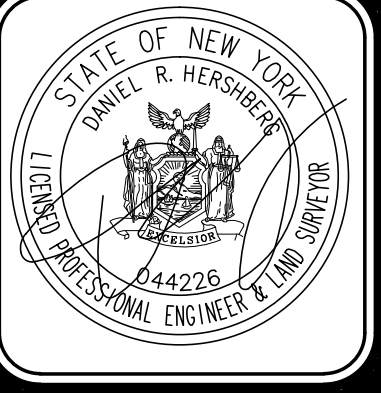
STREET RESTORATION CONCRETE PAVEMENT DETAIL SR-2
NOT TO SCALE

- 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) NYS DOT ITEM 702-0500



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DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

FILE: 190162
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BY: AS
CHK: DRW
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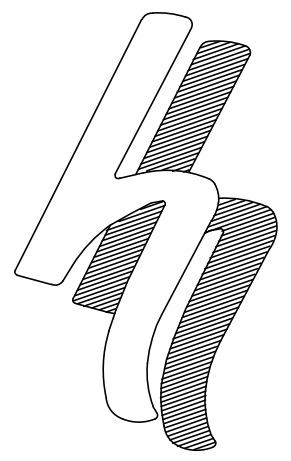
LEGEND	
	CONE
	FLAGGER
	BUSHES
	SIGN
	WORK AREA

NOTES:

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

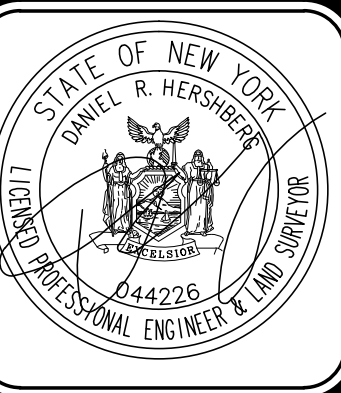
GENERAL NOTES

- ACCESS FOR CITY'S MAINTENANCE STAFF/REPRESENTATIVES MUST BE MAINTAINED AT ALL TIMES TO THE TRAFFIC SIGNAL EQUIPMENT AT THIS INTERSECTION.
- CONTRACTOR MUST PROTECT THE TRAFFIC SIGNAL EQUIPMENT BOTH ABOVE AND BELOW EXISTING GRADE, AT THIS INTERSECTION, FROM DAMAGE FROM WORK ACTIVITIES AT THIS SITE.
- DAMAGE TO CITY SIDEWALKS, CURBS, AND ROADWAYS WILL BE THE SOLE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTORS.
- 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.
- 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.
- PER BILL TRUDEAU; KEEP 2 LANES OPEN ON COLVIN AVENUE AND PROVIDE BUSHES TO KEEP TRAFFIC FROM CROSSING OVER GRASS MEDIAN ON ANTHONY STREET.

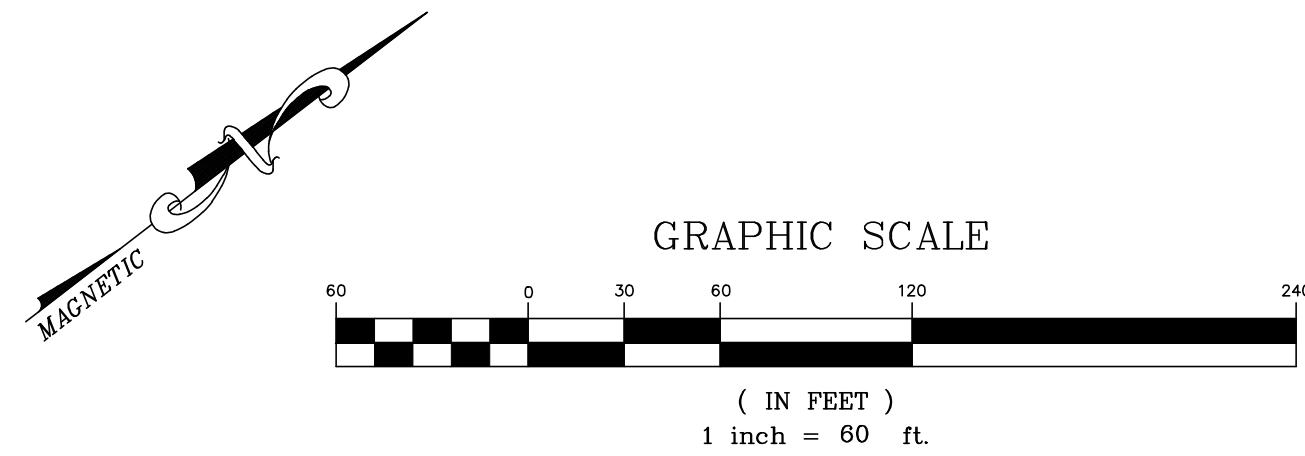


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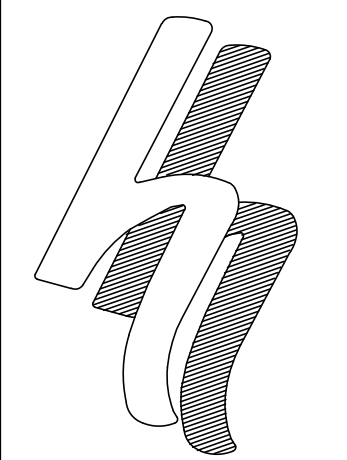
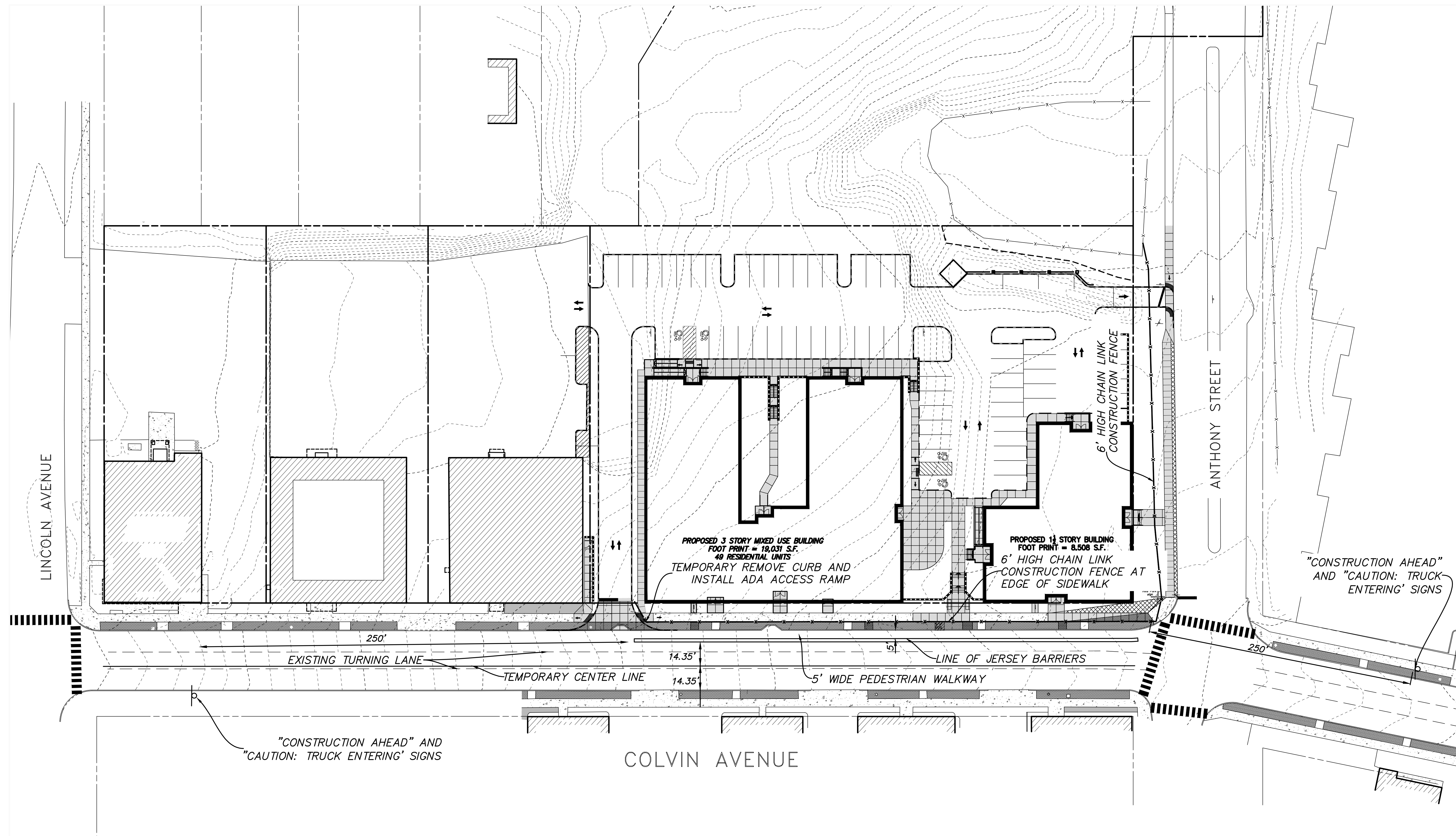


MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

- 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.
- THE FINAL RESPONSIBILITY FOR THE PROTECTION OF THE TRAVELING PUBLIC AND HIS OWN PERSONNEL SHALL REST WITH THE CONTRACTOR.
- 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.
- 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.
- DURING WORKING HOURS, NO CONSTRUCTION MATERIAL MAY BE STORED ON THE ROADWAY OR ROADBED EXCEPT IN A PROTECTED WORK ZONE.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES IN THE VICINITY OF THE PROJECT SITE AT ALL TIMES.
- SIGN LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. ACTUAL LOCATION SHALL BE ADAPTED TO PREVAILING CONDITIONS.
- SIGNS THAT ARE NOT APPLICABLE SHALL BE COVERED OR OBSCURED FROM SIGHT.
- 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.
- 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.
- 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 .
- 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..
- 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.
- 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.
- ALL CONSTRUCTION SIGNS SHALL BE PAID FOR UNDER ITEM 619.02. CONSTRUCTION SIGN MATERIALS SHALL COMPLY WITH SECTION 619-2 OF THE NYS DOT STANDARD SPECIFICATIONS.
- 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.

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

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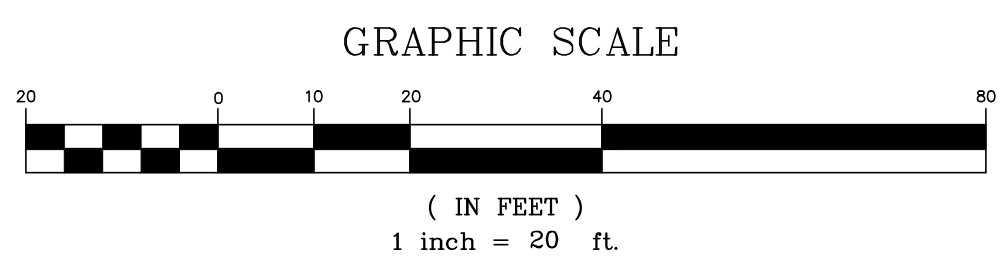
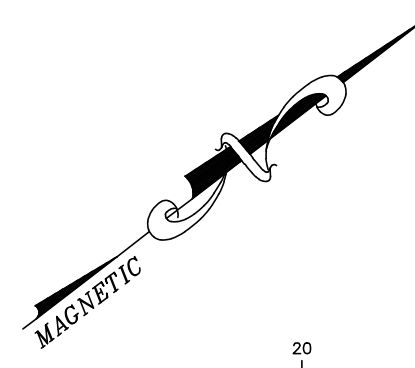
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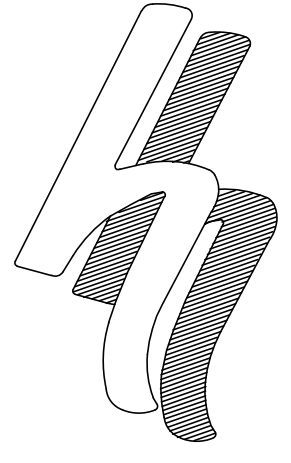
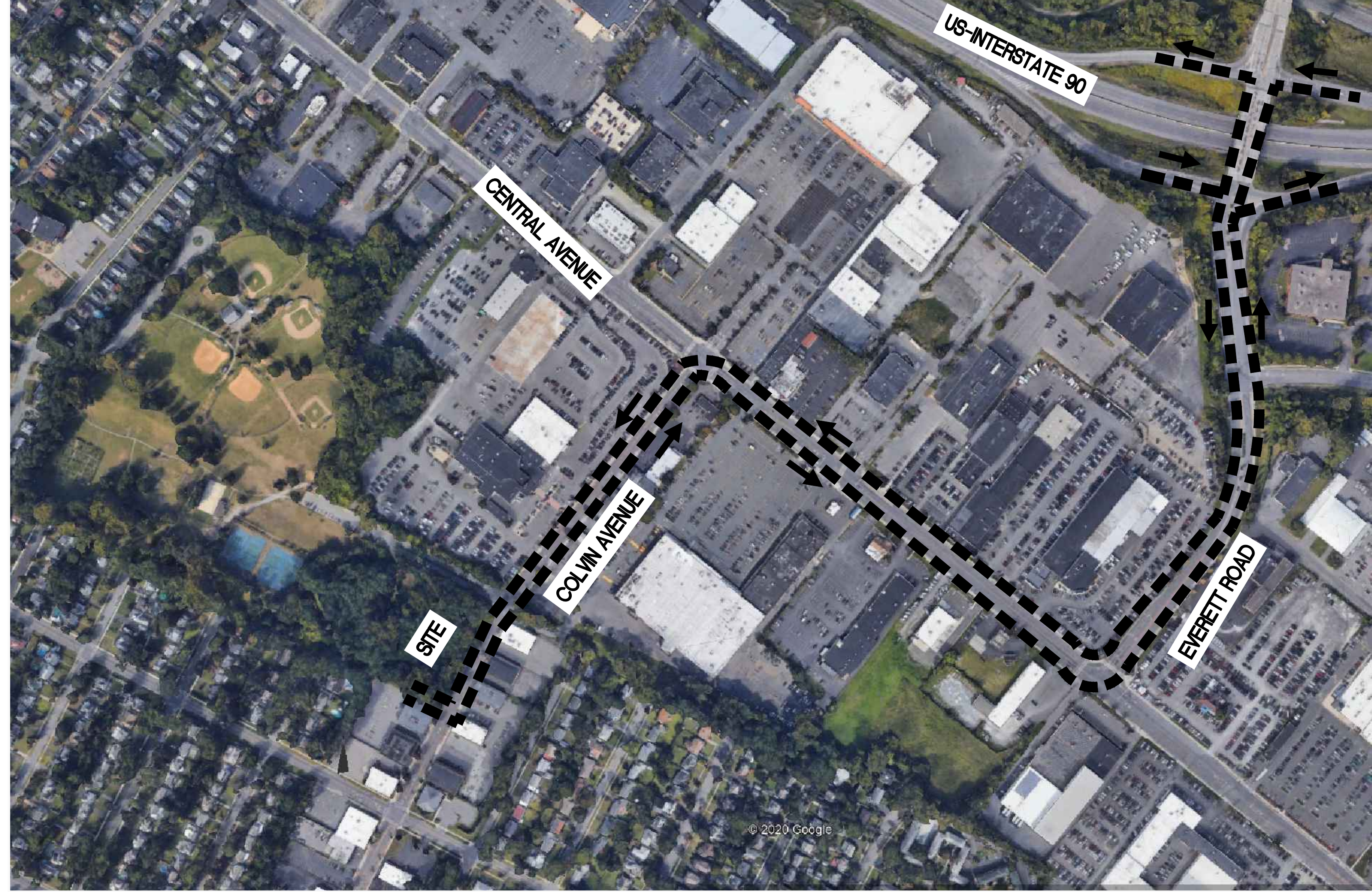


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BUILDING REVISIONS	11/29/20

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

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 CHK: DRW
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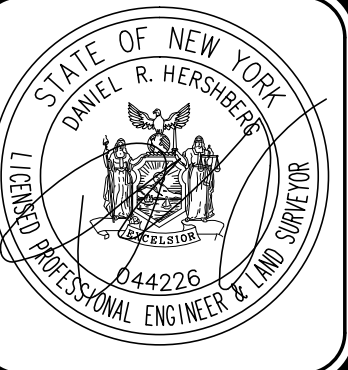




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TRUCK ROUTING PLAN
60 COLVIN AVENUE
ALBANY, NEW YORK

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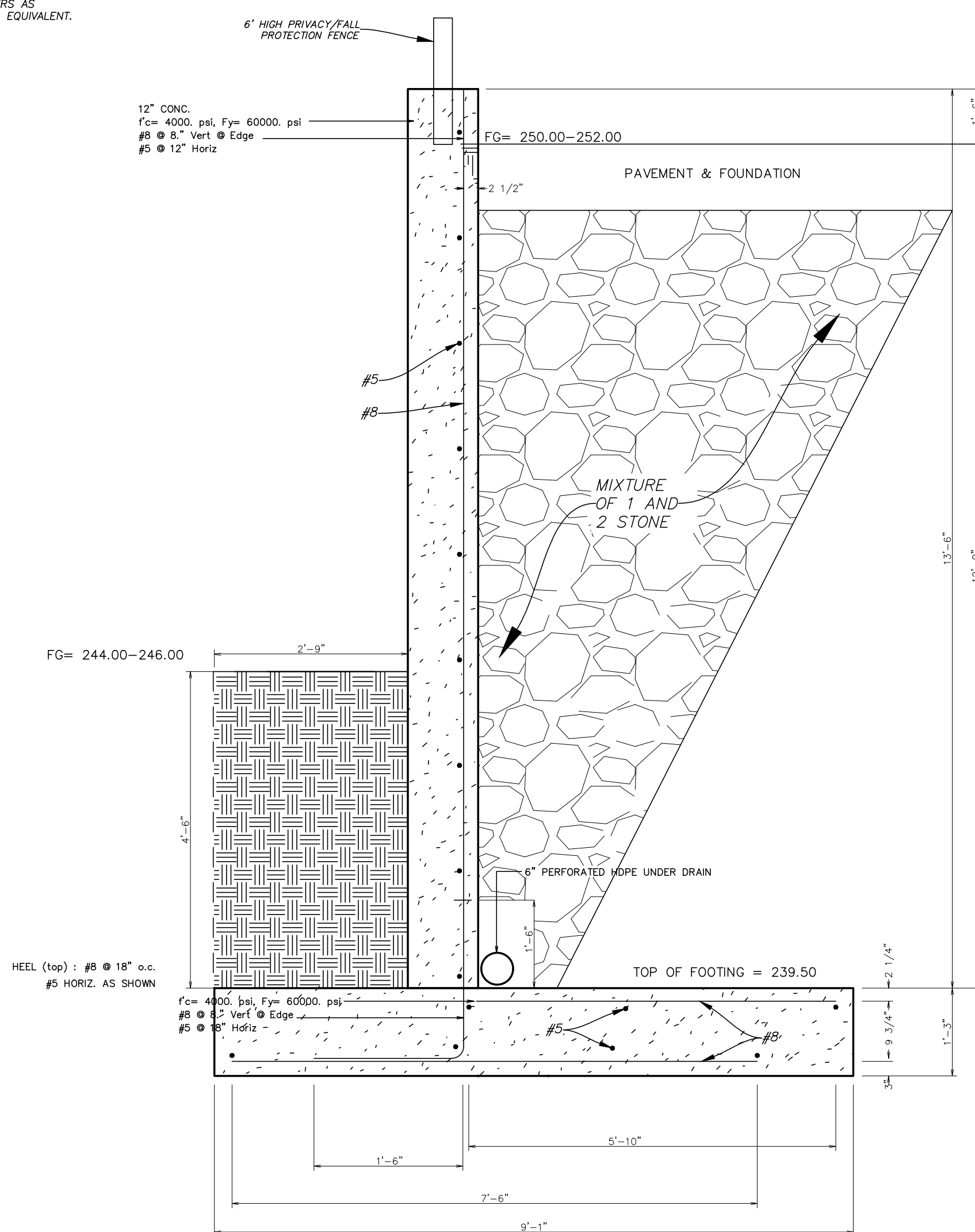
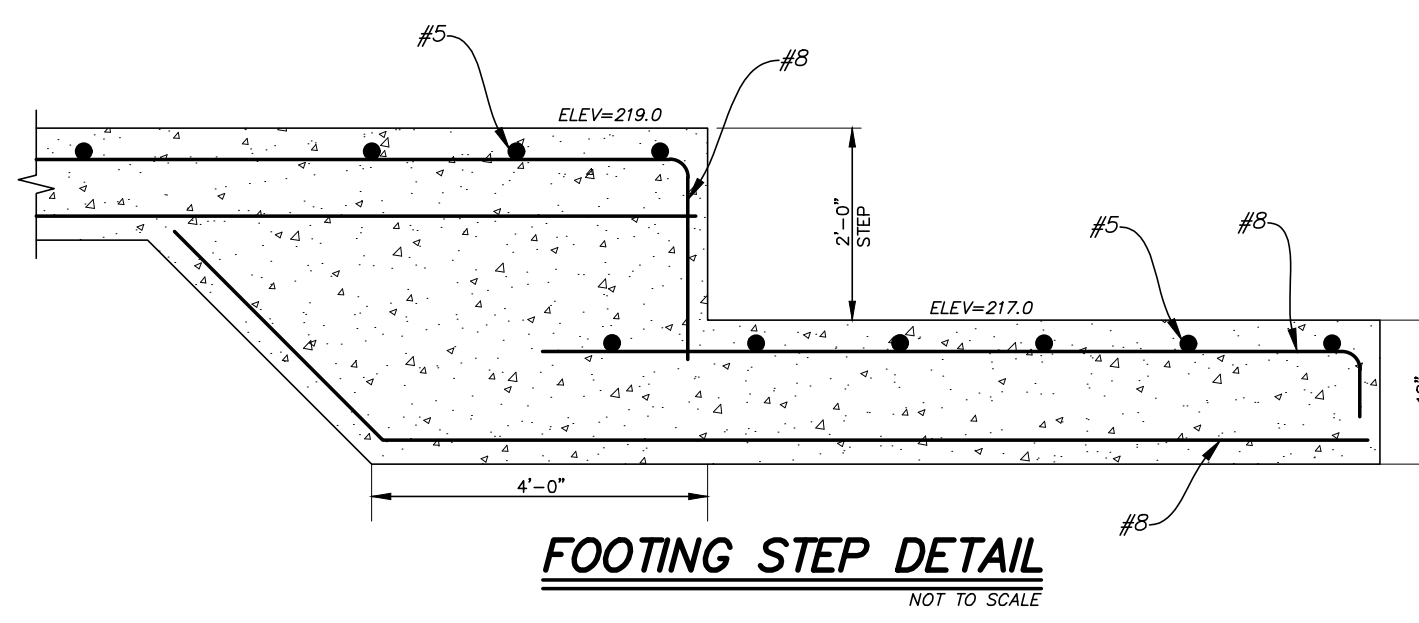
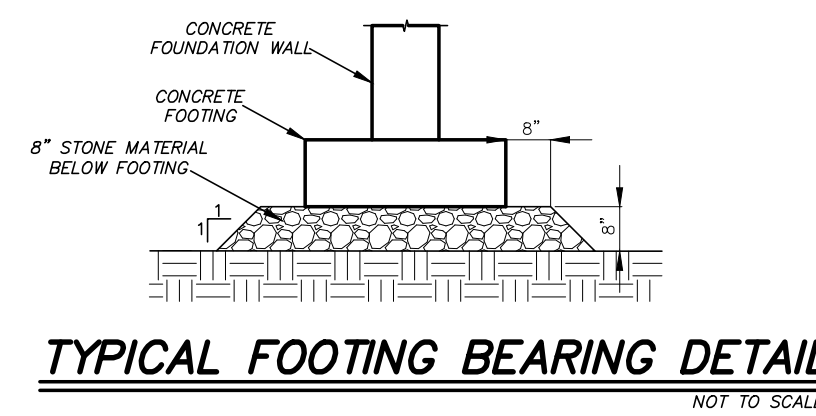
CONCRETE NOTES

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

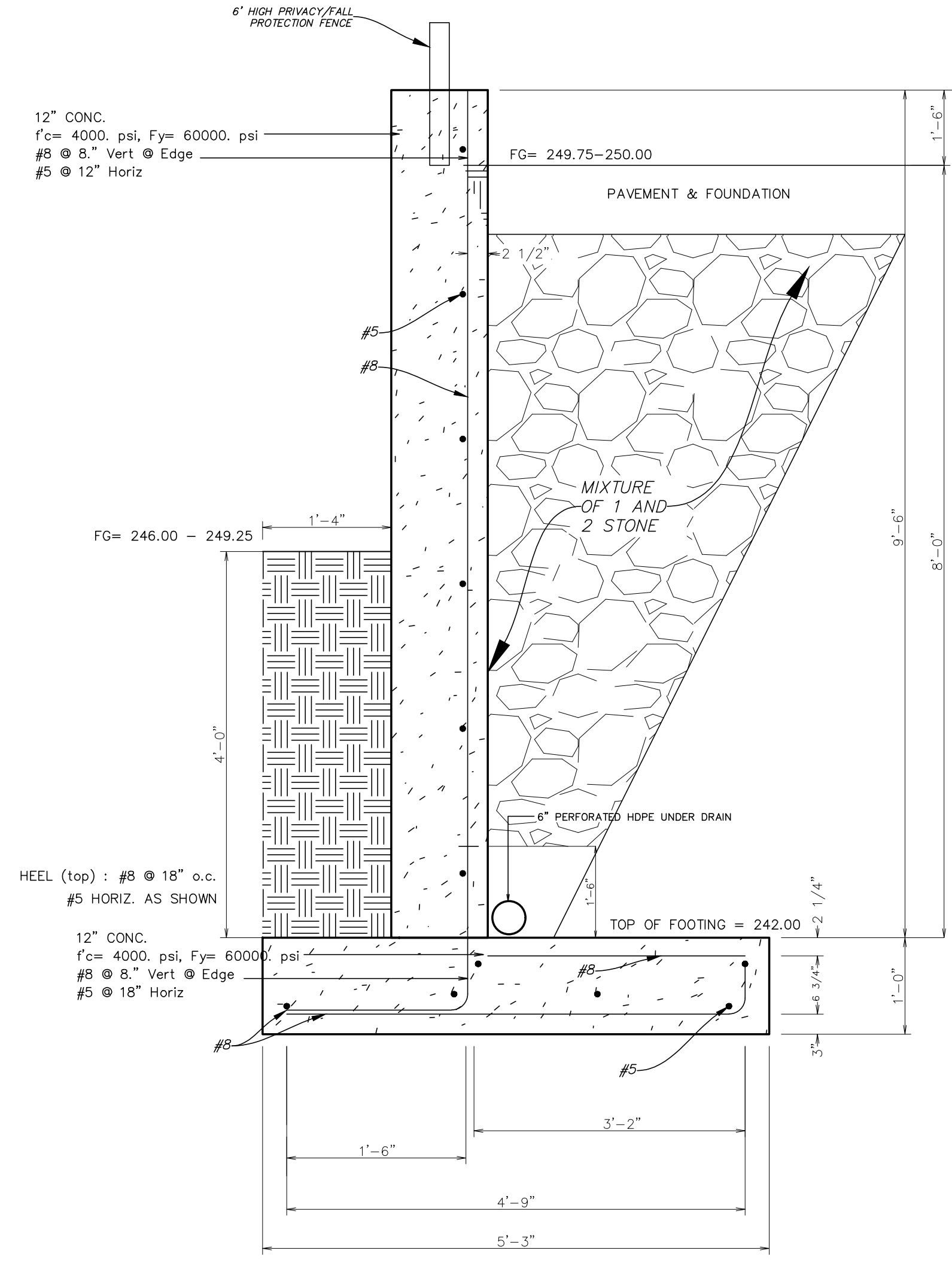
SIZE	f'_c = 3 ksi	f'_c = 4 ksi
#3	17"	15"
#4	22"	19"
#5	28"	24"
#6	33"	29"
#7	48"	42"
#8	55"	48"
#9	62"	54"
- EXTERIOR SLABS / STAIR CONCRETE SHALL RECEIVE BROOM FINISH TRANSVERSE TO ANY SLOPES. WET CURE SLAB A MINIMUM OF 7 DAYS BY MISTING OR COVERING WITH BURLAP KEPT CONTINUOUSLY WET.
- ALL CONCRETE 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 50 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.
- 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.
- SEALANT FOR SLAB JOINTS SHALL BE TWO-COMPONENT FLEXIBLE EPOXY, SIKADUR 51 NS/SL AS MANUFACTURED BY SIKKA CORP. OR EQUIVALENT.
- REINFORCING BAR COUPLERS SHALL BE THREADED COUPLERS AS MANUFACTURED BY DAYTON SUPERIOR, INC., OR APPROVED EQUIVALENT.

EARTHWORK NOTES

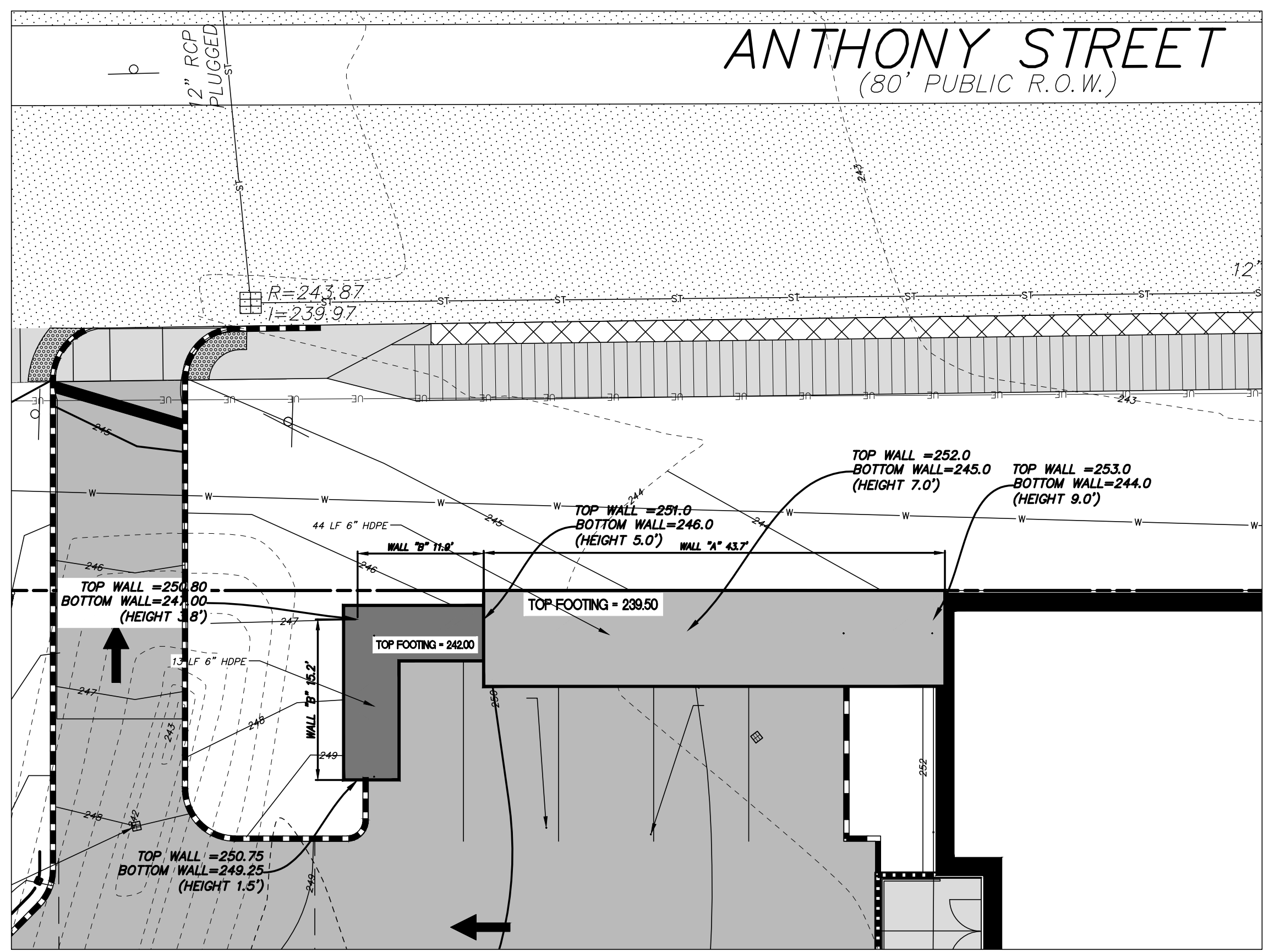
- FOUNDATIONS HAVE BEEN DESIGNED BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 5000 PSF AS RECOMMENDED IN THE GEOTECHNICAL INVESTIGATION PREPARED BY DENTE ENGINEERING OF WATERVILLE, NY DATED APRIL 28, 2016.
- PRIOR TO FOUNDATION CONSTRUCTION THE SITE SHALL BE PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REFERENCED IN THE NOTE ABOVE INCLUDING DEWATERING AS MAY BE NECESSARY.
- 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.
- 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.
- 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.
- 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.



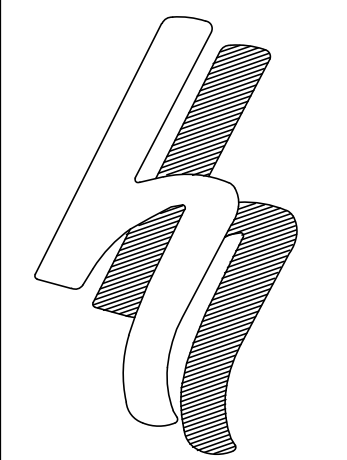
CONCRETE RETAINING WALL "A" DETAIL
NOT TO SCALE



CONCRETE RETAINING WALL "B" DETAIL
NOT TO SCALE



WALL PLAN
SCALE: 1"=10'



HERSHBERG & HERSHBERG
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18 Locust Street
Albany, New York 12203

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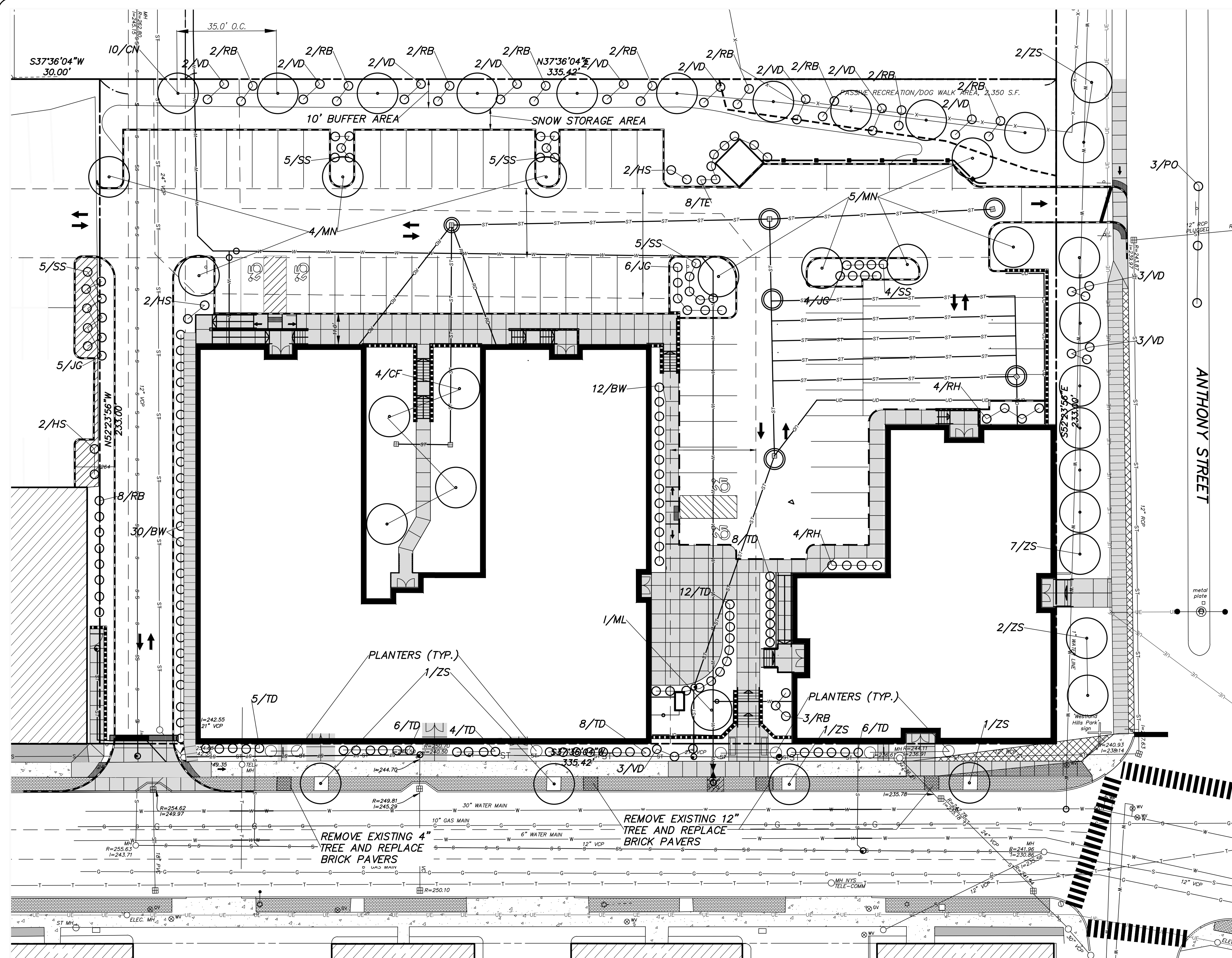


DATE	REVISIONS
JANUARY 23, 2019	REVIEW MEMO
6/29/20	
8/14/20	

REVISIONS

RETAINING WALL DETAILS
60 COLVIN AVENUE
ALBANY, NEW YORK

SCALE: AS SHOWN
DATE: 6/19/2020
CHK: DRW
BY: AS
FILE: 190162



LEGEND

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

Pruning shall be in accordance with approved horticultural standards in order to preserve the natural form of the specific plants. If applicable & approved by the landscape architect, one-fourth to one-third of the wood shall be removed by thinning out to balance root loss due to transplanting.

Black rubber reinforced hose not less than 1/2" I.D. above first set of branches

2 strands of 12 gauge galv. wire, twisted

2"x2"x8"-0" Pointed Cedar Stakes: 3 stakes per tree - drive at angle and draw vertical

Cut burlap from top 1/3 of root ball

4" Mulch - finely shredded bark mulch (Sample to be approved)

3" Soil saucer typ. Finished grade

Topsoil

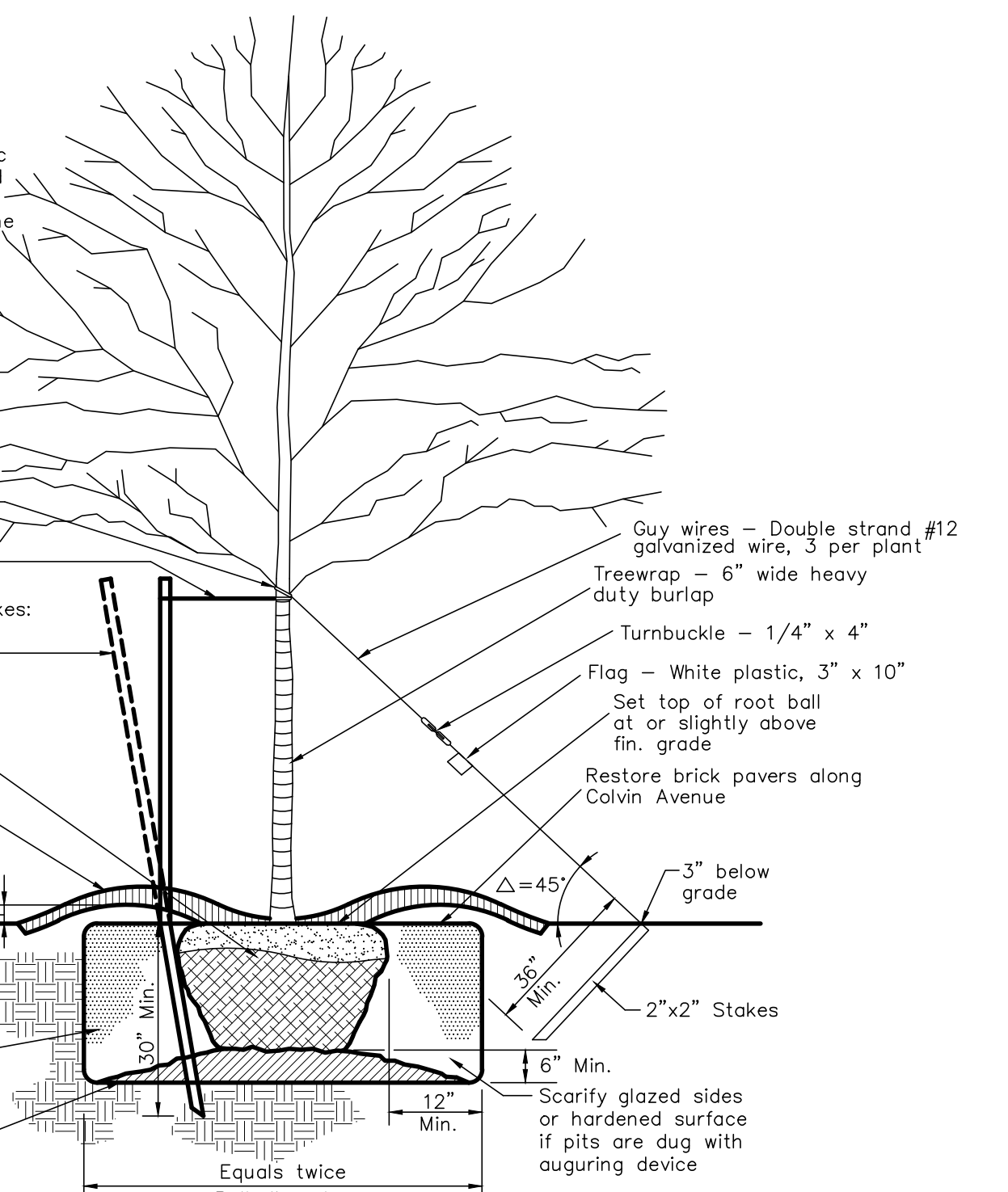
Subsoil

Planting mix

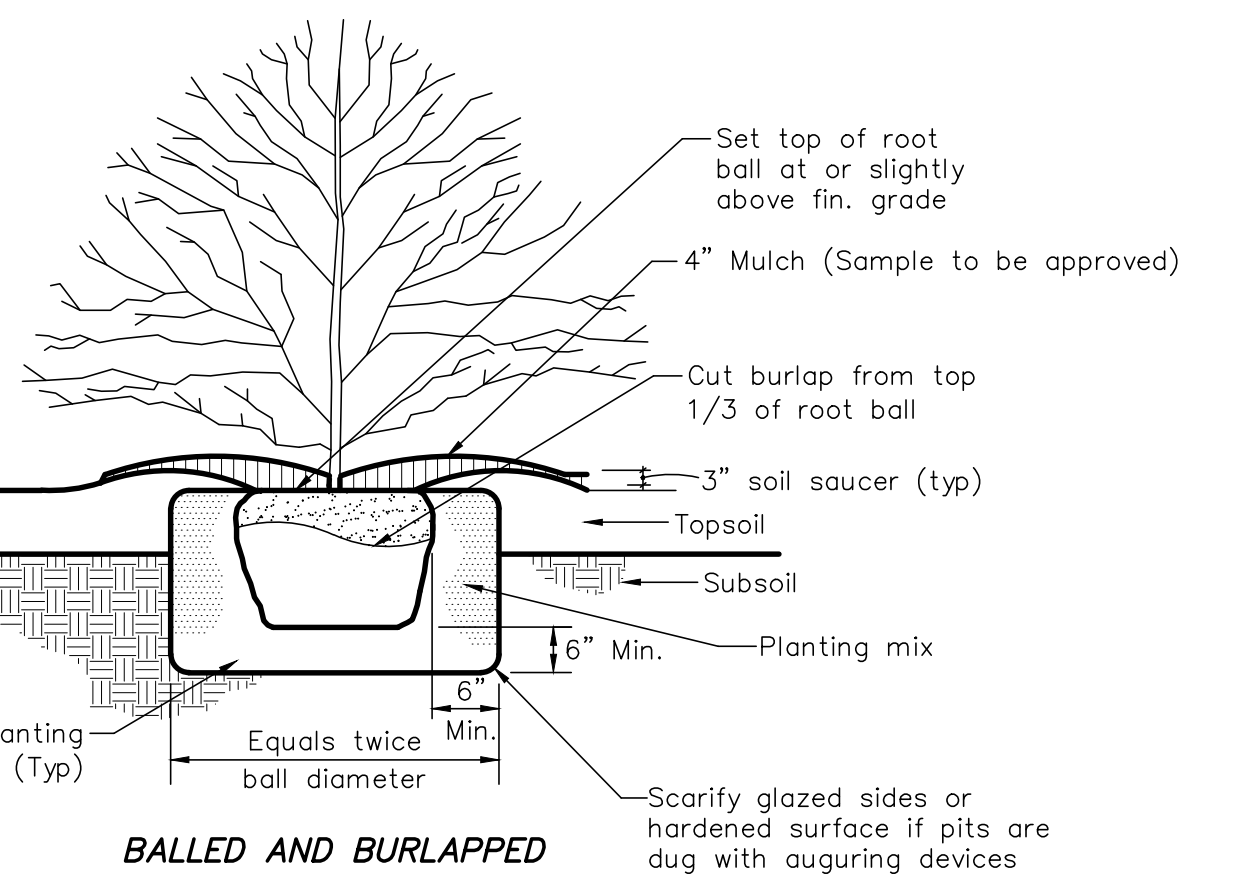
Compact planting mix below ball

Stake deciduous trees under 3" Cal. and evergreen trees under 8" Ht.

Cuying Guy deciduous trees over 3" Cal. and evergreen trees over 8" Ht.



TREE PLANTING DETAIL
NOT TO SCALE



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

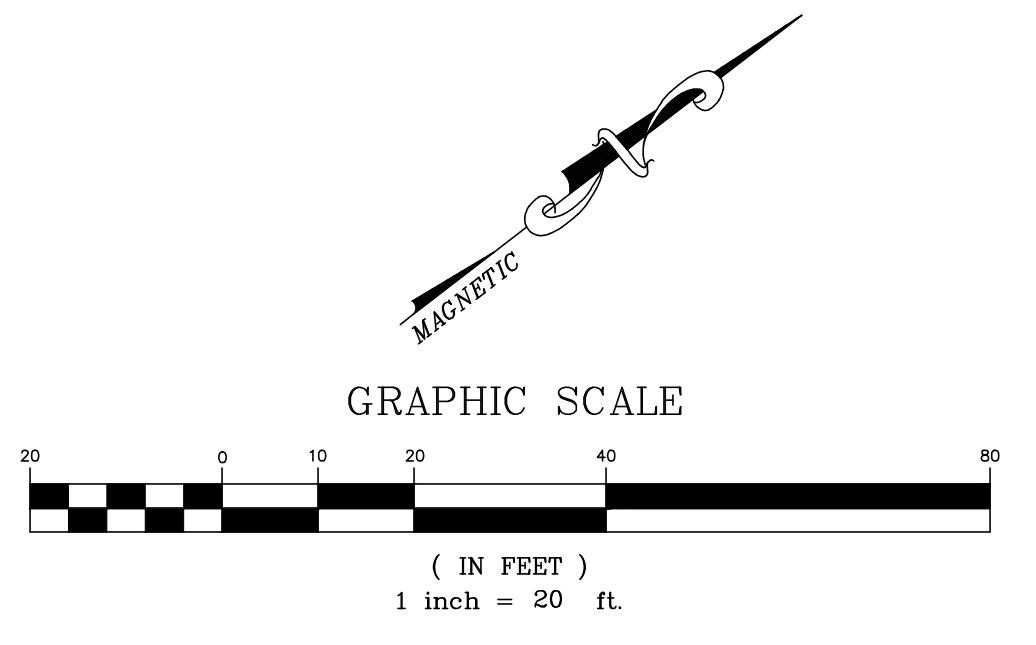
PLANT MATERIAL SCHEDULE

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	THILIA 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 LILIFLORA	JANE MAGNOLIA	7"-8" HT.	1	B & B
PO	PICEA OMORICA	SERBIAN SPRUCE	5"-6" HT.	3	B & B
ZS	ZELKOVA SERRATA	JAPANESE ZELKOVA	2 1/2"-3" CAL.	15	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

STREET TREE EQUIPMENT

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



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STATE OF NEW YORK
DANIEL R. HERSHBERG
LICENSED PROFESSIONAL ENGINEER IN LAND SURVEYING
044226

DATE	REVISION
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C19 OF 19