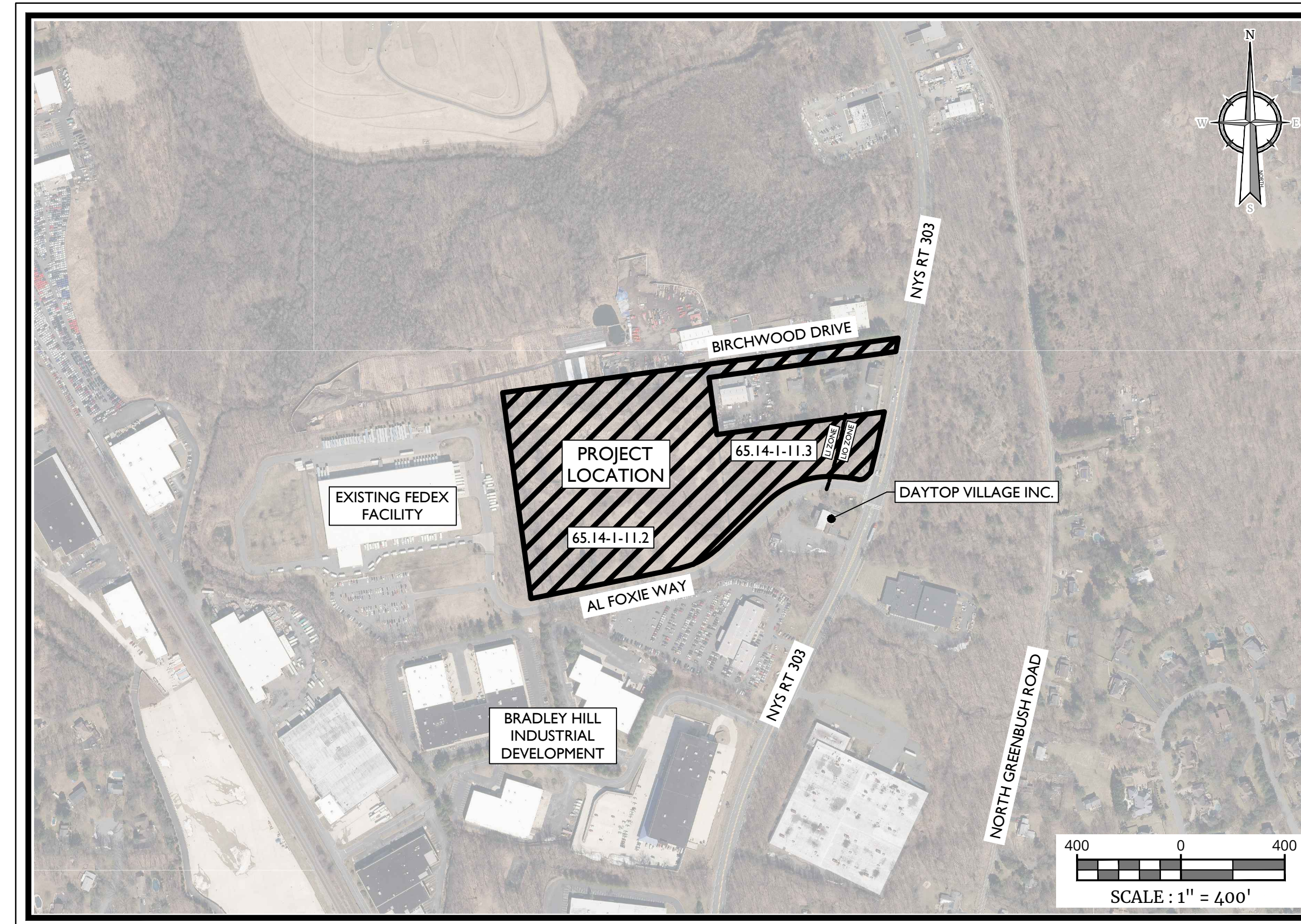


PRELIMINARY SITE PLAN FOR 622 ROUTE 303 LLC 622 ROUTE 303 COMMERCIAL DEVELOPMENT SECTION 65.14, BLOCK 1, LOTS 11.2 & 11.3 TOWN OF ORANGETOWN ROCKLAND COUNTY NEW YORK STATE



PROJECT LOCATION AND AERIAL MAP

SOURCE: NYS CLEARING HOUSE

GENERAL INFORMATION

1. THE SUBJECT PROPERTY IS KNOWN AS SECTION 65.14, BLOCK 1, LOTS 11.2 & 11.3, IN THE TOWN OF ORANGETOWN, ROCKLAND COUNTY, NEW YORK.
2. THE PROPERTY IS LOCATED IN THE LI (LIGHT INDUSTRIAL) ZONING DISTRICT AND LO (LABORATORY-OFFICE) ZONING DISTRICT, AND CONTAINS A TOTAL TRACT AREA OF 1.185 ACRES.
- APPLICANT: 622 ROUTE 303 LLC
21 PHILIPS PARKWAY
MAHWAH, NJ 07430
- OWNER: 622 ROUTE 303 LLC
21 PHILIPS PARKWAY
MAHWAH, NJ 07430
3. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON IS TAKEN FROM A PLAN ENTITLED "BOUNDARY SURVEY PREPARED FOR 622 NEW YORK 303 SECTION 65.14 BLOCK 1 LOTS 11.2 & 11.3" PREPARED BY CLEARPOINT SURVEYING, INC., DATED 02/27/2023 REVISED 04/12/2023.
4. UNDERGROUND WATER UTILITY WITHIN AL FOXIE WAY SHOWN FOR REFERENCE ONLY. PER DESIGN DRAWINGS BY MCLAREN ENGINEERING GROUP DATED 6/21/10 SHEETS C-301 AND C-302 (NOT REVIEWED AS-BUILT DRAWINGS), CONTRACTOR TO VERIFY LOCATION AND SIZE WITH TEST PITS PRIOR TO CONNECTING.
5. BUILDING INFORMATION SHOWN HEREON REFERENCES A SET OF PRELIMINARY ARCHITECTURAL FLOOR PLANS PREPARED BY ANDERSON DESIGN GROUP DATED 06/27/2023.
6. THE HORIZONTAL DATUM IS RELATIVE TO NAD83. THE VERTICAL DATUM IS RELATIVE TO NAD83. BENCHMARK ELEVATION OF 90.55 REFERENCED FROM SURVEY MAP CITED IN NOTE #3 ABOVE.
7. THE LIMITS OF FRESHWATER WETLANDS SHOWN HEREON WERE FIELD DELINEATED BY ECOLOGICAL SOLUTIONS, LLC, ON FEBRUARY 8, 2022.
8. NO 100 YEAR FLOOD PLANS ARE KNOWN TO EXIST ON THE SITE PER THE FLOOD INSURANCE RATE MAPS DATED 07/2014 PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.
9. THIS SET OF PLANS IS NOT DEPICTING ENVIRONMENTAL CONDITIONS OR A CERTIFICATION/WARRANTY REGARDING THE PRESENCE OR ABSENCE OF ENVIRONMENTALLY IMPACTED SITE CONDITIONS. COLLIER'S ENGINEERING & DESIGN HAS PERFORMED NO EXPLORATORY OR TESTING SERVICES, INTERPRETATIONS, CONCLUSIONS OR OTHER SITE ENVIRONMENTAL SERVICES RELATED TO THE DETERMINATION OF THE POTENTIAL FOR CHEMICAL, TOXIC, RADIOACTIVE OR OTHER TYPE OF CONTAMINANTS AFFECTING THE PROPERTY AND THE UNDERSIGNED PROFESSIONAL IS NOT QUALIFIED TO DETERMINE THE EXISTENCE OF SAME. SHOULD ENVIRONMENTAL CONTAMINATION OR WASTE BE DISCOVERED, THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LAWS AND REGULATIONS.
10. THIS IS A SITE DEVELOPMENT PLAN AND UNLESS SPECIFICALLY NOTED ELSEWHERE HEREON, IS NOT A SURVEY.
11. DO NOT SCALE DRAWINGS AS THEY PERTAIN TO ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC. THEY ARE SCHEMATIC ONLY EXCEPT WHERE DIMENSIONS ARE SHOWN THEREON.
12. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL APPROVALS REQUIRED HAVE BEEN OBTAINED. ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED AND THE DRAWINGS HAVE BEEN STAMPED "ISSUED FOR CONSTRUCTION". THIS SHALL INCLUDE APPROVAL OF ALL CATALOG CUTS, SHOP DRAWINGS AND/OR DESIGN CALCULATIONS AS REQUIRED BY THE PROJECT OWNER AND/OR MUNICIPAL ENGINEER.
13. THE CONTRACTOR IS RESPONSIBLE FOR PROJECT SAFETY, INCLUDING PROVISION OF ALL APPROPRIATE SAFETY DEVICES AND TRAINING REQUIRED.
14. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CALL 811 TO REQUEST A UTILITY MARKOUT.
15. INFORMATION HEREON INCORPORATES THE CONTENT IN THE FOLLOWING REPORTS:
 - STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY COLLIER'S ENGINEERING & DESIGN LAST REVISED, AUGUST 2023.
 - GEOTECHNICAL DATA REPORT (IN-SITU INFILTRATION TESTING) PREPARED BY COLLIER'S ENGINEERING & DESIGN DATED DECEMBER 21, 2022.
 - TRAFFIC IMPACT STUDY PREPARED BY COLLIER'S ENGINEERING & DESIGN LAST REVISED AUGUST 14, 2023.

SITE NOTES

1. BUILDING FOOTPRINT DIMENSIONS SHOWN HEREON ARE APPROXIMATE. FINAL BUILDING FOOTPRINT DIMENSIONS FOR THE BUILDING SHALL BE FURNISHED ON THE INDIVIDUAL ARCHITECTURAL PLANS AT THE TIME OF APPLICATION FOR A BUILDING PERMIT. ALL STRUCTURES SHALL CONFORM TO THE APPROVED ZONING REQUIREMENTS.
2. CURBS SHALL BE DEPRESSED FLUSH WITH PAVEMENT, AND HANDICAP ACCESSIBLE RAMPS INSTALLED WHERE SIDEWALKS AND CROSSWALKS INTERSECT SAME. DETECTABLE MANNINGS SHALL BE INCLUDED ON HANDICAP ACCESSIBLE RAMPS.
3. TRAFFIC SIGNAGE AND STRIPING SHALL CORRESPOND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
4. REFUSE AND RECYCLABLES SHALL BE STORED WITHIN OUTDOOR ROLL-OFF CONTAINERS AND PICKED UP BY PRIVATE WASTE DISPOSAL HAULER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL WASTE MATERIALS IN ACCORDANCE WITH GOVERNING REGULATIONS AND AGENCIES.
6. THERE SHALL BE NO ON-SITE BURIAL OF CONSTRUCTION MATERIALS, TREE BRANCHES, STUMPS, OR OTHER DELETERIOUS MATERIALS.
7. MATERIALS, WORKMANSHIP, AND CONSTRUCTION FOR THE SITE IMPROVEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH:
 - A. NEW YORK STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", 2018, AS SUPPLEMENTED.
 - B. CURRENT PREVAILING MUNICIPAL, COUNTY AND/OR STATE AGENCY SPECIFICATIONS, STANDARDS, CONDITIONS, AND REQUIREMENTS.
 - C. CURRENT PREVAILING UTILITY COMPANY/AUTHORITY SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.
 - D. CURRENT MANUFACTURER SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.

UTILITY NOTES

1. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTIONS, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS, AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER THE DESIGN HEREON INAPPROPRIATE OR INEFFECTIVE.
2. UTILITY RELOCATIONS SHOWN HEREON, IF ANY, ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REPRESENT ALL REQUIRED UTILITY RELOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING AND/OR COORDINATING ALL REQUIRED UTILITY RELOCATIONS IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANY/AUTHORITY.
3. STORM SEWERS SHALL BE CLASS III (OR HIGHER IF NOTED) REINFORCED CONCRETE PIPE (RCP) WITH "O" RING GASKETS OR INTERNALLY PNEUMATICALLY GASKETED (TYLUX SUPERSLIP) OR EQUIVALENT, ADS IN-11 HIGH DENSITY POLYETHYLENE PIPE (HDPE), AS NOTED ON THE PLAN, OR APPROVED EQUAL. PROPER PIPE COVERAGE SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. PIPE LENGTHS SHOWN HEREON ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
4. WATER SERVICE TO BE PROVIDED FROM THE EXISTING WATER MAIN LINE WITHIN THE 30' UTILITY EASEMENT, OWNED AND OPERATED BY VIOLA WATER. PROPOSED WATER MAIN EXTENSIONS AND FIRE HYDRANT LOCATIONS ARE SUBJECT TO MUNICIPAL REVIEW AND APPROVAL. PIPE MATERIALS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52, WITH ASPHALTIC EPOXY TYPE COATING. POTABLE WATER SERVICE PIPES TO BE TYPE K SEAMLESS COPPER. AS NOTED ON THE PLANS, WATER MAINS SHALL BE INSTALLED TO PROVIDE A MINIMUM 4' OF COVER FROM THE TOP OF PIPE TO THE PROPOSED GRADE.
5. SANITARY SEWER SERVICE SHALL BE PROVIDED BY MUNICIPAL SEWER WITHIN AL FOXIE WAY, OWNED AND OPERATED BY THE TOWN OF ORANGETOWN SEWER DEPARTMENT. PROPOSED SEWER SERVICE CONNECTION IS SUBJECT TO MUNICIPAL REVIEW AND APPROVAL. PIPE MATERIALS SHALL BE PVC SDR-35, EXCEPT AS NOTED OTHERWISE ON THE PLANS. EXCEPT WHERE SHALLOWER DEPTHS ARE PERMITTED BY THE MUNICIPALITY OR UTILITY AUTHORITY, SEWER LINES, INCLUDING FORCE MAINS AND LATERALS, SHALL BE INSTALLED TO PROVIDE A MINIMUM 4 FEET OF COVER FROM THE TOP OF PIPE TO PROPOSED GRADE.
6. ALL WATER MAINS SHOULD BE SEPARATED FROM SANITARY AND STORM SEWER AND INDUSTRIAL DISCHARGE LINES BY A MINIMUM HORIZONTAL DISTANCE OF 10 FEET, IF SUCH HORIZONTAL SEPARATION IS NOT POSSIBLE, THE WATER AND SEWER LINES SHALL BE IN SEPARATE TRENCHES (STEP TRENCHES ARE PROHIBITED) WITH THE TOP OF THE SEWER LINE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN ENCASED IN CONCRETE OR WITH SUCH SEPARATION EXPRESSLY APPROVED BY THE DEPARTMENT OF HEALTH.
7. GAS, ELECTRIC, LIGHTING, CABLE TELEVISION, AND ELECTRICAL SERVICE PLANS, IF REQUIRED, SHALL BE PREPARED BY THE RESPECTIVE UTILITY COMPANIES THAT SERVICE THE AREA PRIOR TO SITE CONSTRUCTION AND SHALL BE INSTALLED UNDERGROUND PER ORDINANCE OR LOCAL UTILITY COMPANIES REQUIREMENTS. CROSSINGS OF PROPOSED PAVEMENTS WILL BE INSTALLED PRIOR TO THE CONSTRUCTION OF PAVEMENT BASE COURSE.

INDEX OF SHEETS		
SHT. No.	DESCRIPTION	LATEST REVISION
1	COVER SHEET	8/30/2023
2	EXISTING CONDITIONS AND DEMOLITION PLAN	8/30/2023
3	OVERALL DIMENSION PLAN	8/30/2023
4	DIMENSION PLAN WEST	8/30/2023
5	DIMENSION PLAN EAST	8/30/2023
6	GRADING AND DRAINAGE PLAN WEST	8/30/2023
7	GRADING AND DRAINAGE PLAN EAST	08/30/2023
8	UTILITIES PLAN WEST	8/30/2023
9	UTILITIES PLAN EAST	8/30/2023
10	WATERMAIN PROFILE	8/30/2023
11	SOIL EROSION AND SEDIMENT CONTROL PLAN	8/30/2023
12	SOIL EROSION AND SEDIMENT CONTROL DETAILS	8/30/2023
13	LANDSCAPE PLAN WEST	8/30/2023
14	LANDSCAPE PLAN EAST	8/30/2023
15	LIGHTING PLAN WEST	8/30/2023
16	LIGHTING PLAN EAST	8/30/2023
17-21	CONSTRUCTION DETAILS	8/30/2023

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REV	DATE	DRAWN BY	DESCRIPTION

REV	DATE	DRAWN BY	DESCRIPTION

Cory Daniel Robinson
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 103788
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A.#: 0017069

PRELIMINARY SITE PLAN
FOR
622 ROUTE 303 LLC

SBL: 65.14-1-11.2 & 11.3

TOWN OF ORANGETOWN
ROCKLAND COUNTY
NEW YORK STATE

Colliers
Engineering & Design

555 Hudson Valley Avenue
Suite 101
New Windsor, NY 12553
Phone: 845.564.4495

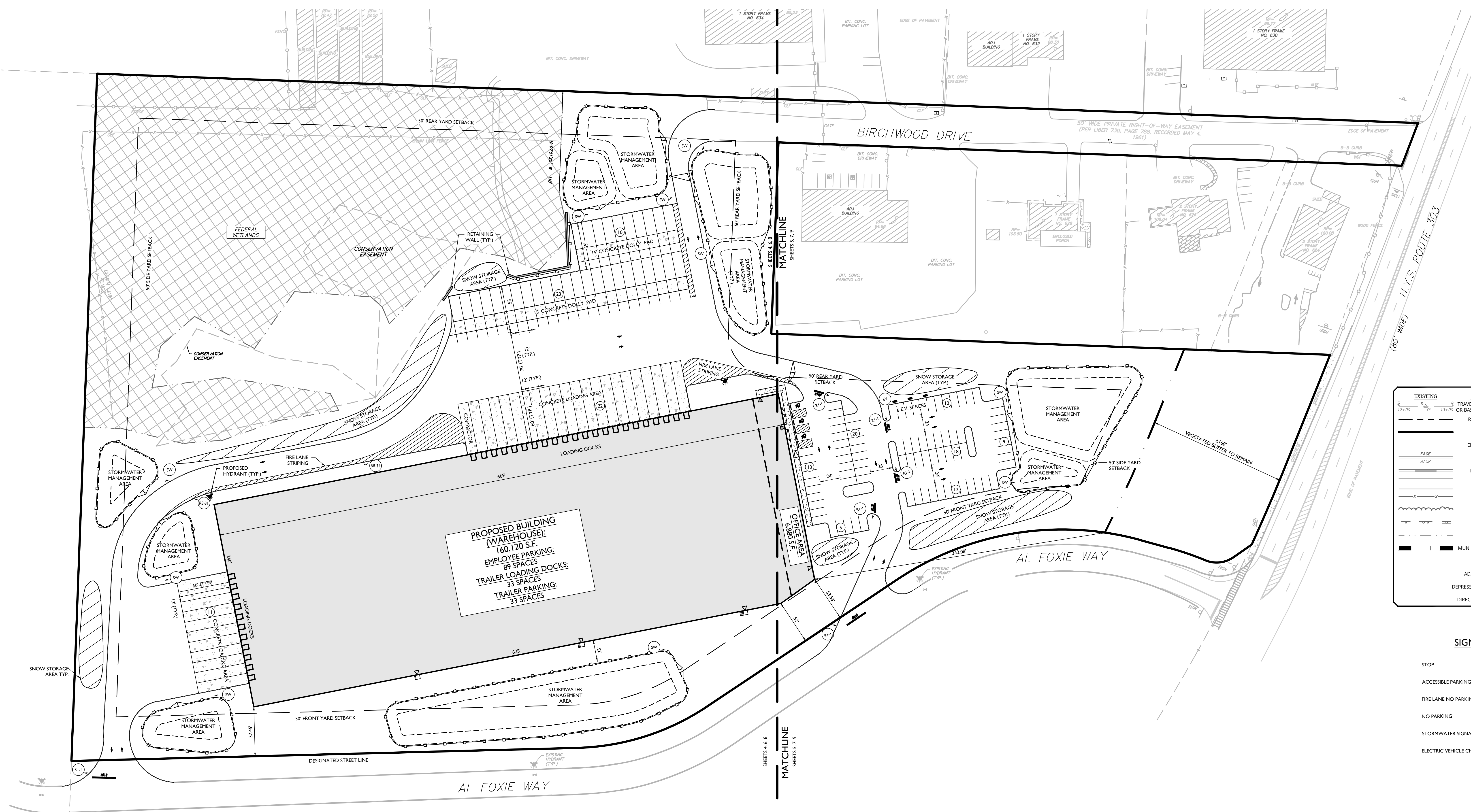
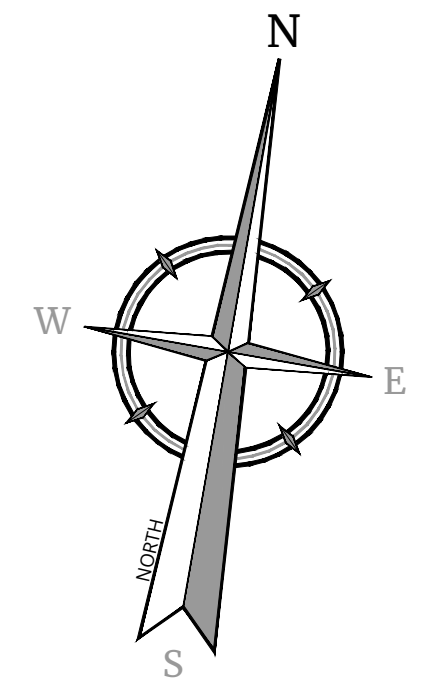
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DOES BUSINESS AS MASER CONSULTING ENGINEERS & LAND SURVEYING.

SCALE: AS SHOWN DATE: 01/03/2023 DRAWN BY: MAS CHECKED BY: CDR
PROJECT NUMBER: 22002634A DRAWING NAME: C-CYR

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
01 of 21

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



EXISTING	LEGEND	PROPOSED
12+00	TRAVERSE LINE, CENTER LINE	13+00
---	RIGHT OF WAY LINE	---
---	PROPERTY LINE	---
---	EDGE OF PAVEMENT	---
FACE	CURB	FACE
BACK	DEPRESSED CURB	BACK
---	SIDEWALK	---
---	FENCES	---
---	TREELINE	---
---	ROADWAY SIGNS	---
---	WETLAND LINE	---
---	MUNICIPAL BOUNDARY LINE	---
---	STALL COUNT	10
---	ADA ACCESSIBLE STALL	♿
---	DEPRESSED CURB AND ADA RAMP	FC
---	DIRECTION OF TRAFFIC FLOW	→

SIGN LEGEND:

- STOP (R1-1)
- ACCESSIBLE PARKING (ADA)
- FIRE LANE NO PARKING (R8-31)
- NO PARKING (R8-3A)
- STORMWATER SIGNAGE (SW)
- ELECTRIC VEHICLE CHARGING (EV)

BULK TABLE

ZONING DISTRICT: I1 (LIGHT INDUSTRIAL)
USE PERMITTED BY RIGHT: WHOLESALERS OR STORAGE, WAREHOUSES, BUSINESS & PROFESSIONAL OFFICES

TABLE OF BULK REQUIREMENTS			
MINIMUM	REQUIRED	PROVIDED	REMARKS
LOT AREA	2 ACRES	± 805,725 S.F. / 18.5 ACRES	OK
FRONT YARD SETBACK	50 FEET	52.0 FEET	OK
REAR YARD SETBACK	50 FEET	69.8 FEET	OK
SIDE YARD SETBACK	50 FEET	154.8 FEET	OK
TOTAL SIDE YARD	100 FEET	496.7 FEET	OK
STREET FRONTAGE ⁽¹⁾	150 FEET	±1,290 FEET	OK
LOT WIDTH ⁽¹⁾	150 FEET	±1,290 FEET	OK
OPEN AREA	20%	58.1% (492,945)	OK
MAXIMUM			
BUILDING HEIGHT ⁽²⁾	6' PER FOOT OF DISTANCE FROM LOT LINE ⁽³⁾ (24 FEET)	50 FEET	VARIANCE REQUIRED
LAND COVERAGE	80%	41.9 (35,245)	OK
F.A.R. (FLOOR AREA RATIO)	0.50	0.20 (169,815)	OK

(1) MEASURED ALONG AL FOXIE WAY
(2) BUILDING HEIGHT: THE VERTICAL DISTANCE MEASURED FROM THE AVERAGE ELEVATION OF THE PROPOSED FINISHED GRADE ALONG THE WALL OF A BUILDING, OR ADJACENT TO THE SIDE OF A NON-BUILDING USE, TO THE HIGHEST POINT OF THE ROOF PARAPET FOR FLAT ROOFS OR SHED ROOFS, TO THE DECK LINE FOR MANARD ROOFS, AND TO THE MEAN BETWEEN EAVES AND RIDGE FOR GABLE, HIP AND GAMBREL ROOFS OF SUCH BUILDING OR NON-BUILDING USE, EXCEPT AS SPECIFICALLY EXEMPT IN SECTION 5.2.3.
(3) PER CHAPTER 43 ATTACHMENT 18, NOTE #7 STATES THAT REQUIRED FRONT YARD AND MAXIMUM BUILDING HEIGHT ARE SUBJECT TO SECTION 5.11 WHERE THE DESIGNATED STREET LINE CAN BE USED AS A LOT LINE. IN THIS INSTANCE THE DESIGNATED STREET LINE IS THE LOT LINE BORDERING AL FOXIE WAY(S) FROM THE PROPOSED BUILDING.

PARKING & LOADING REQUIREMENTS:

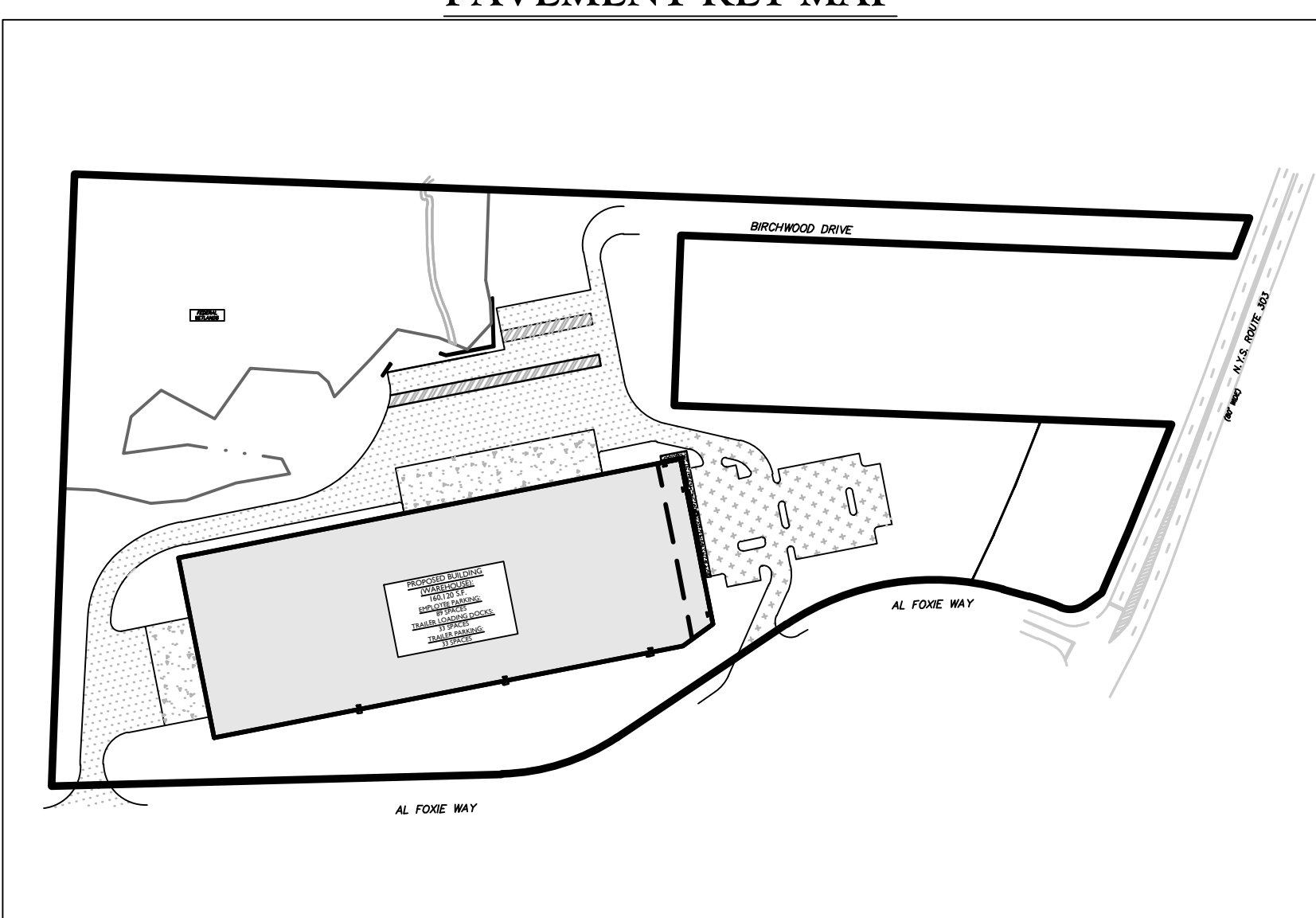
REQUIRED PARKING:
WAREHOUSE (160,120 S.F.):
1 PER 2 EMPLOYEES; 102 EMPLOYEES = 51 SPACES
OFFICE (6,880 S.F.):
1 PER 200 S.F. OF FLOOR AREA
6,880 / 200 = 35 SPACES REQUIRED
TOTAL REQUIRED PARKING: 86 SPACES
TOTAL PROVIDED PARKING: 89 SPACES

LOADING BERTHS:
WAREHOUSE:
1 PER 10,000 S.F. OF FLOOR AREA AND ONE ADDITIONAL BERTH FOR EACH ADDITIONAL 20,000 S.F.: (160,120-10,000) / 20,000 = 9 REQUIRED
OFFICE:
NOT REQUIRED
TOTAL PROVIDED LOADING BERTHS:
33 LOADING BERTHS PROVIDED

TAX LOT:

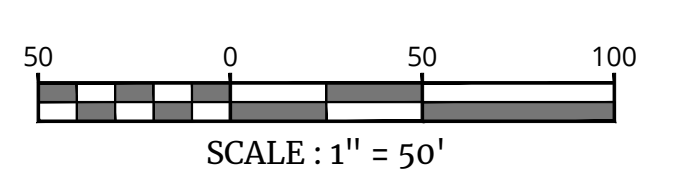
EXISTING TAX LOTS:
SBL: 65.14-1-11.2
± 157,925 S.F. / ± 3.6 ACRES
SBL: 65.14-1-11.3
± 447,793 S.F. / ± 10.2 ACRES
PROPOSED COMBINED TAX LOT:
± 805,725 S.F. / ± 18.5 ACRES

PAVEMENT KEY MAP



PAVEMENT LEGEND

- CONCRETE PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE DOLLY PAD
- STANDARD ASPHALT PAVEMENT



SCALE: 1" = 50'

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PRELIMINARY SITE PLAN
FOR
622 ROUTE 303 LLC

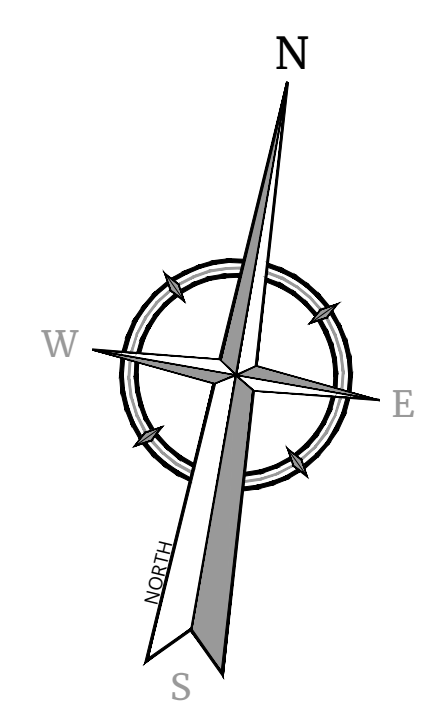
SBL: 65.14-1-11.2 & 11.3

TOWN OF ORANGETOWN
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SHEET NUMBER:
03 of 21

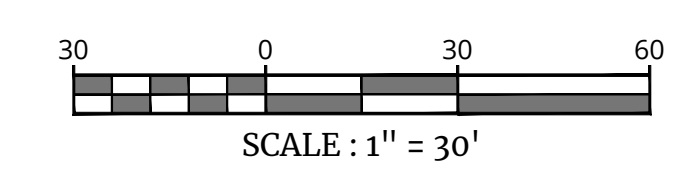
OVERALL DIMENSION PLAN



SIGN LEGEND:

- STOP (RI-1)
- ACCESSIBLE PARKING (ADA)
- FIRE LANE NO PARKING (RB-31)
- NO PARKING (RB-3A)
- STORMWATER SIGNAGE (SW)
- ELECTRIC VEHICLE CHARGING (EV)

EXISTING	LEGEND	PROPOSED
	TRAVERSE LINE, CENTER LINE OR BASELINE (LABEL AS SUCH)	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EDGE OF PAVEMENT	
	CURB	
	DEPRESSED CURB	
	SIDEWALK	
	FENCES	
	TREELINE	
	ROADWAY SIGNS	
	WETLAND LINE	
	MUNICIPAL BOUNDARY LINE	
	STALL COUNT	
	ADA ACCESSIBLE STALL	
	DEPRESSED CURB AND ADA RAMP	
	DIRECTION OF TRAFFIC FLOW	



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REV	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

REV	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

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Cory Daniel Robinson
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N.Y. C.O.A.#: 0017609

PRELIMINARY SITE PLAN
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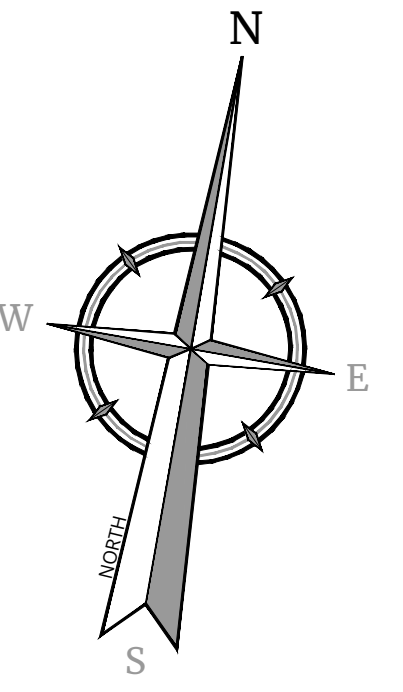
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ENGINEERING & LAND SURVEYING

SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	01/03/2023	MAS	CDR
PROJECT NUMBER:	DRAWING NAME:		
22002634A	C-LAY1		

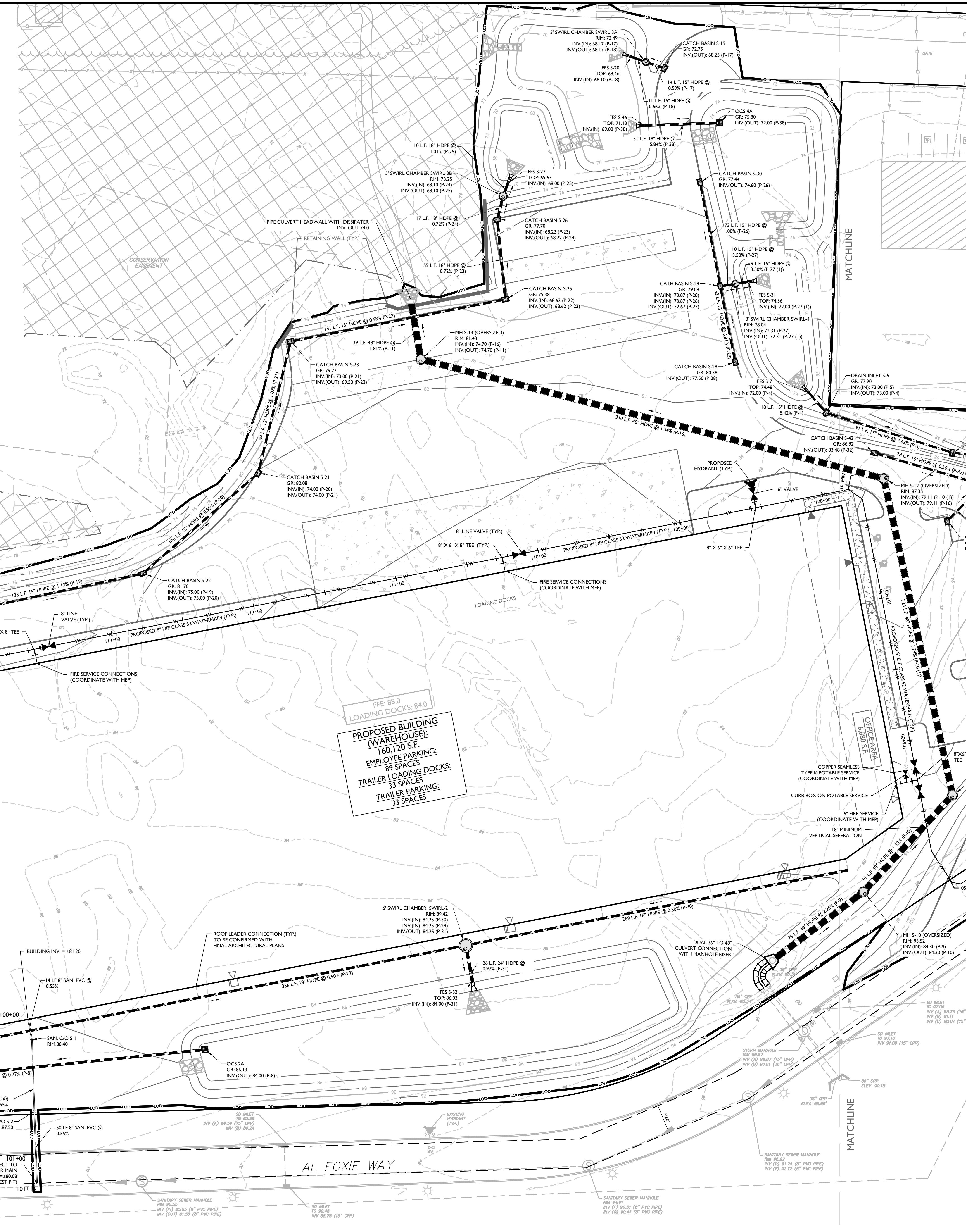
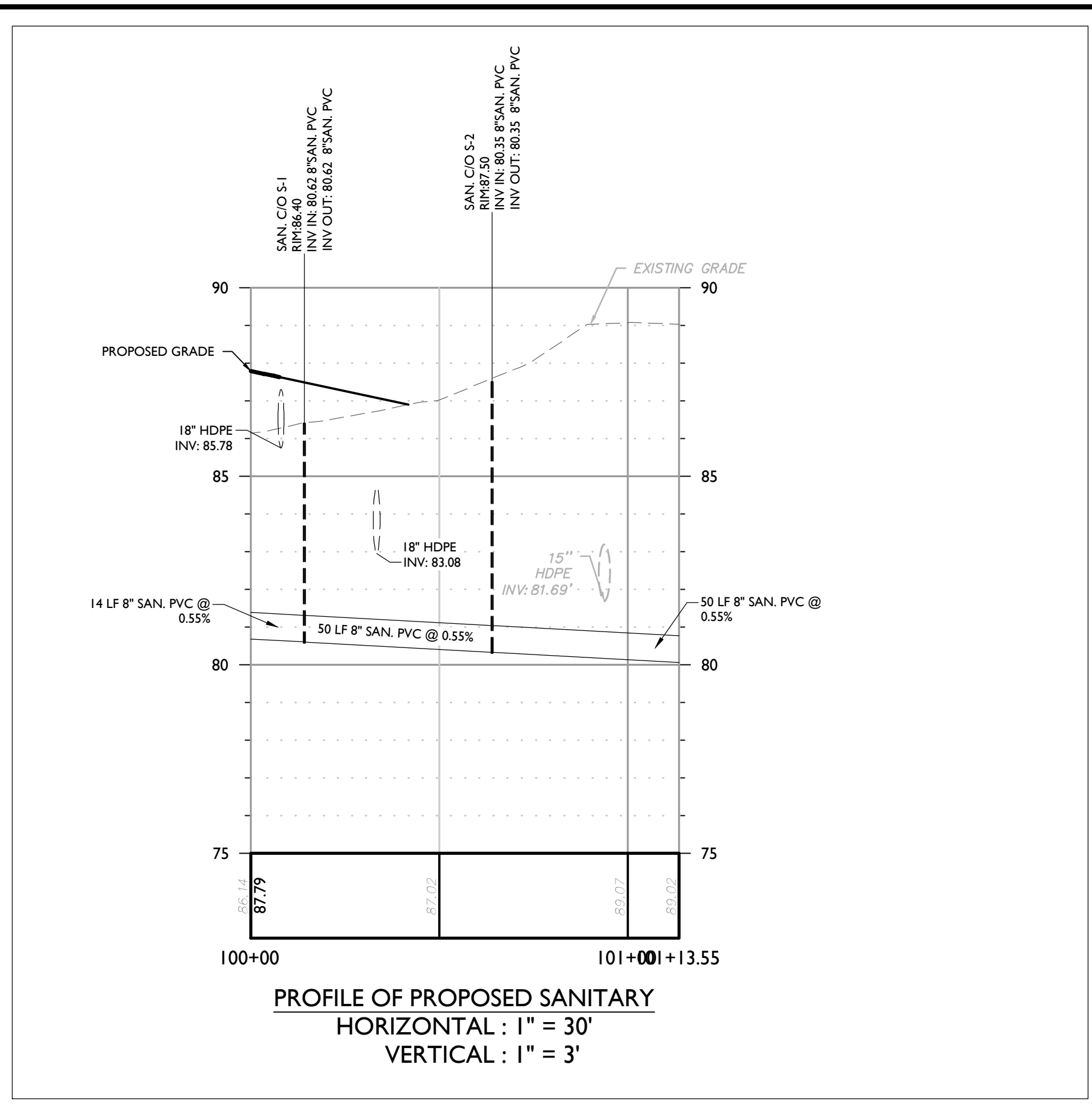
SHEET TITLE:
DIMENSION PLAN
EAST
SHEET NUMBER:
05 of 21

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



UTILITY NOTES

- LOCATION OF ALL EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. ALL CONNECTION POINTS SHALL BE VERIFIED IN FIELD BY GC AND ENGINEER. SHALL BE NOTIFIED IMMEDIATELY REGARDING ANY DISCREPANCIES. CONSTRUCTION SHALL COMMENCE BEGINNING AT LOWEST INVERT AND PROGRESS UP-GRADE. PROPOSED CROSSING OF EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL DEFINE AND LOCATE VERTICALLY AND HORIZONTALLY ALL ACTIVE UTILITY AND/OR SERVICES THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE SYSTEMS THAT ARE TO REMAIN DURING SITE CONSTRUCTION.
- THE CONTRACTOR TO INSTALL ALL STORMSANITARY SEWERS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES.
- ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND. ALL TO BE INSTALLED IN ACCORDANCE WITH THE LOCAL UTILITY/SERVICE PROVIDER SPECIFICATIONS AND STANDARDS.
- WATER SERVICE TO BE PROVIDED FROM THE EXISTING WATER MAIN LINE ON AL FOXIE WAY, OWNED AND OPERATED BY MIDVA NORTH AMERICA. PROPOSED WATER MAIN EXTENSIONS AND FIRE HYDRANT LOCATIONS ARE SUBJECT TO MUNICIPAL REVIEW AND APPROVAL, ACCORDING TO THE AMERICAN WATERWORKS ASSOCIATION STANDARDS. PIPE MATERIALS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52, WITH ASPHALTIC EXOSKELETIC COATING. ALL WATER SERVICE PIPES TO BE 1" DIAMETER TYPE K SEAMLESS COPPER. WATER MAINS SHALL BE INSTALLED TO PROVIDE A MINIMUM 4 FEET OF COVER FROM THE TOP OF PIPE TO THE PROPOSED GRADE.
- SANITARY SEWER SERVICE SHALL BE PROVIDED BY GRAVITY CONNECTION TO EXISTING SEWER MAIN ON AL FOXIE WAY, OWNED AND OPERATED BY ORANGETOWN SEWER DISTRICT. PROPOSED SEWER MAIN EXTENSIONS AND MANHOLE LOCATIONS ARE SUBJECT TO MUNICIPAL REVIEW AND APPROVAL. PIPE MATERIALS SHALL BE PVC DSR-35, EXCEPT AS NOTED OTHERWISE ON THE PLANS. EXCEPT WHERE SHALLOWER DEPTHS ARE PERMITTED BY THE MUNICIPALITY OR UTILITY AUTHORITY, SEWER LINES, INCLUDING FORCE MAINS AND LATERALS, SHALL BE INSTALLED TO PROVIDE A MINIMUM 4 FEET OF COVER FROM THE TOP OF PIPE TO THE PROPOSED GRADE.
- ALL MATERIALS USED FOR SANITARY SEWER SYSTEMS SHALL BE MANUFACTURED IN THE UNITED STATES, WHEREVER AVAILABLE, AS GOVERNED BY P.L. 1982, c. 107, EFFECTIVE DATE OCTOBER 3, 1982.
- SANITARY SEWERS SHALL BE SEPARATED FROM WATER MAINS BY AT LEAST 10 FEET HORIZONTALLY. IF SUCH SEPARATION IS NOT POSSIBLE, THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SANITARY SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. ANY WATER SERVICE LOCATED IN THE SAME TRENCH AS A SEWER LINE MUST BE LOCATED ABOVE AND TO ONE SIDE OF THE SEWER LINE AT LEAST ONE FOOT AWAY FROM THE SEWER LINE. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS ARE AS FAR AWAY AS POSSIBLE FROM THE WATER.
- GAS, ELECTRIC, LIGHTING, CABLE TELEVISION, AND ELECTRICAL SERVICE PIPES, IF REQUIRED, SHALL BE PREPARED BY THE RESPECTIVE UTILITY COMPANIES THAT SERVICE THE AREA PRIOR TO SITE CONSTRUCTION AND SHALL BE INSTALLED PER ORDINANCE REQUIREMENTS.
- TELEPHONE, ELECTRIC, AND GAS LINES WILL BE INSTALLED UNDERGROUND. CROSSINGS OF PROPOSED PAVEMENTS WILL BE INSTALLED PRIOR TO THE CONSTRUCTION OF PAVEMENT BASE COURSE.
- UTILITY RELOCATIONS SHOWN HEREON, IF ANY, ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REPRESENT ALL REQUIRED UTILITY RELOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING AND/OR COORDINATING ALL REQUIRED UTILITY RELOCATIONS IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANY/AUTHORITY.
- STORM SEWERS SHALL BE CLASS III (OR HIGHER IF NOTED) REINFORCED CONCRETE PIPE (RCP) WITH "O" RING GASKETS OR INTERNALLY PRELUBRICATED GASKET (TYLUX SUPERSEAL OR EQUIVALENT), ADS N-12 HIGH DENSITY POLYETHYLENE PIPE (HDPE), HANCOCK BURKOL, HIGH DENSITY POLYETHYLENE PIPE (HDPE) OR APPROVED EQUAL AS NOTED. PROPER PIPE COVERAGE SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. PIPE LENGTHS SHOWN HEREON ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- A COPY OF THE ENGINEER'S CERTIFICATION, SANITARY SEWER TEST RESULTS AND AS-BUILTS ARE TO BE SENT TO THE ROCKLAND COUNTY HEALTH DEPARTMENT.
- THE TOWN OF ORANGETOWN WILL NOT RELEASE CERTIFICATES OF OCCUPANCY UNTIL A CERTIFICATE OF APPROVAL HAS BEEN RELEASED BY THE ROCKLAND COUNTY HEALTH DEPARTMENT.
- THE TOWN OF ORANGETOWN SEWER INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY AND ALL CONSTRUCTION ON OR NEAR EXISTING AND PROPOSED SANITARY SEWER FACILITIES.

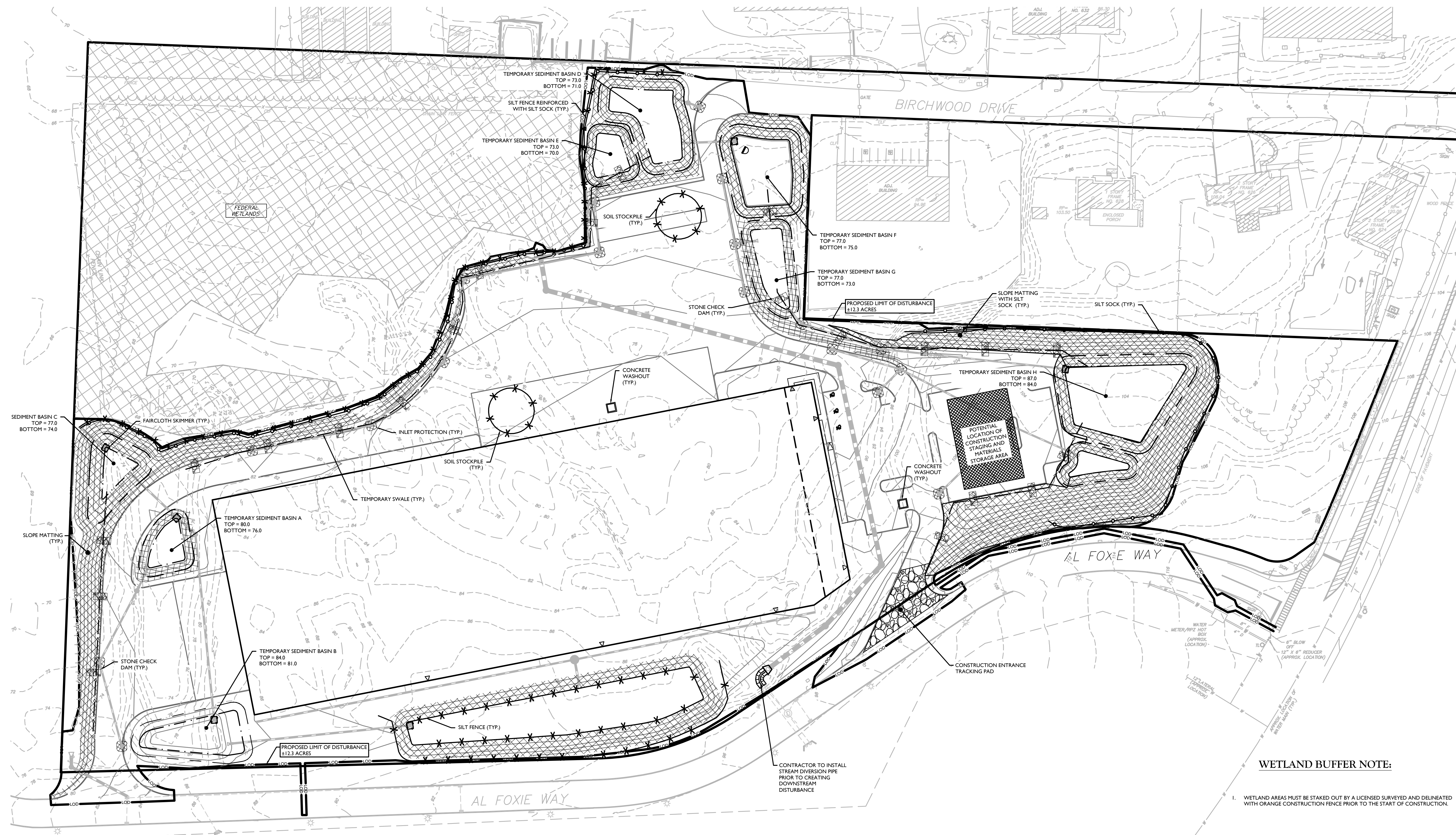
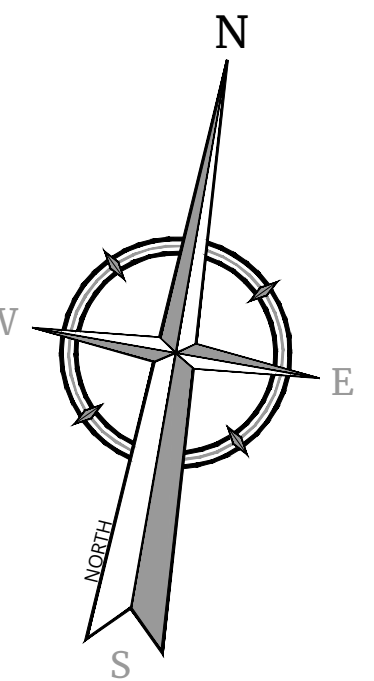


FFE: 88.0
LOADING DOCKS: 84.0

PROPOSED BUILDING (WAREHOUSE):
160,120 S.F.
EMPLOYEE PARKING:
89 SPACES
TRAILER LOADING DOCKS:
33 SPACES
TRAILER PARKING:
33 SPACES

EXISTING	LEGEND	PROPOSED
12+00	TRaverse LINE, CENTER LINE	12+00
13+00	OR BASELINE (LABEL AS SUCH)	13+00
---	RIGHT OF WAY LINE	---
---	PROPERTY LINE	---
---	EDGE OF PAVEMENT	---
---	CURB	---
---	DEPRESSED CURB	---
---	SIDEWALK	---
---	FENCES	---
---	TREELINE	---
---	ROADWAY SIGNS	---
---	WETLAND LINE	---
---	MUNICIPAL BOUNDARY LINE	---
---	'B' INLET	---
---	'S' INLET	---
---	STORM MANHOLE	---
---	SANITARY MANHOLE	---
---	FLARED END SECTION	---
---	HEADWALL	---
---	HYDRANT	---
---	POLE MOUNTED LIGHT	---
---	CATV	---
---	CABLE TV CONDUIT	---
---	WATER MAIN	---
---	GAS MAIN	---
---	TELEPHONE CONDUIT	---
---	ELECTRIC CONDUIT	---
---	SANITARY PIPE	---
---	STORM PIPE	---

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.



GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE... 2. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN FOURTEEN (14) DAYS... 3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS... 4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE 2014 NEW YORK STANDARDS... 5. A SUBBASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING... 6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING... 7. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED... 8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES... 9. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID... 10. AT THE TIME THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION... 11. CONDUIT OUTLET PROTECTION MUST BE REVIEWED & SUPPLEMENTED... 12. UNFILTERED DEWATERING IS NOT PERMITTED... 13. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY... 14. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT... 15. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION... 16. STOCKPILES AND STAGING LOCATIONS DETERMINED IN THE FIELD... 17. CONCRETE WASHOUT, DUMPSTER, & STAGING AREA LOCATIONS... 18. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED... 19. ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES... 20. PAVEMENT AREAS ARE TO BE KEPT CLEAN AT ALL TIMES... 21. DURING CONSTRUCTION, ANY ADDITIONAL CONTROL MEASURES... 22. ALL TEMPORARY STRUCTURAL EROSION AND SEDIMENT CONTROL... 23. BOTTOM AND BERM ELEVATIONS OF TEMPORARY SEDIMENT BASINS... 24. WASHOUTS, STOCKPILES, AND STAGING AREAS SHOWN FOR SCHEMATIC...

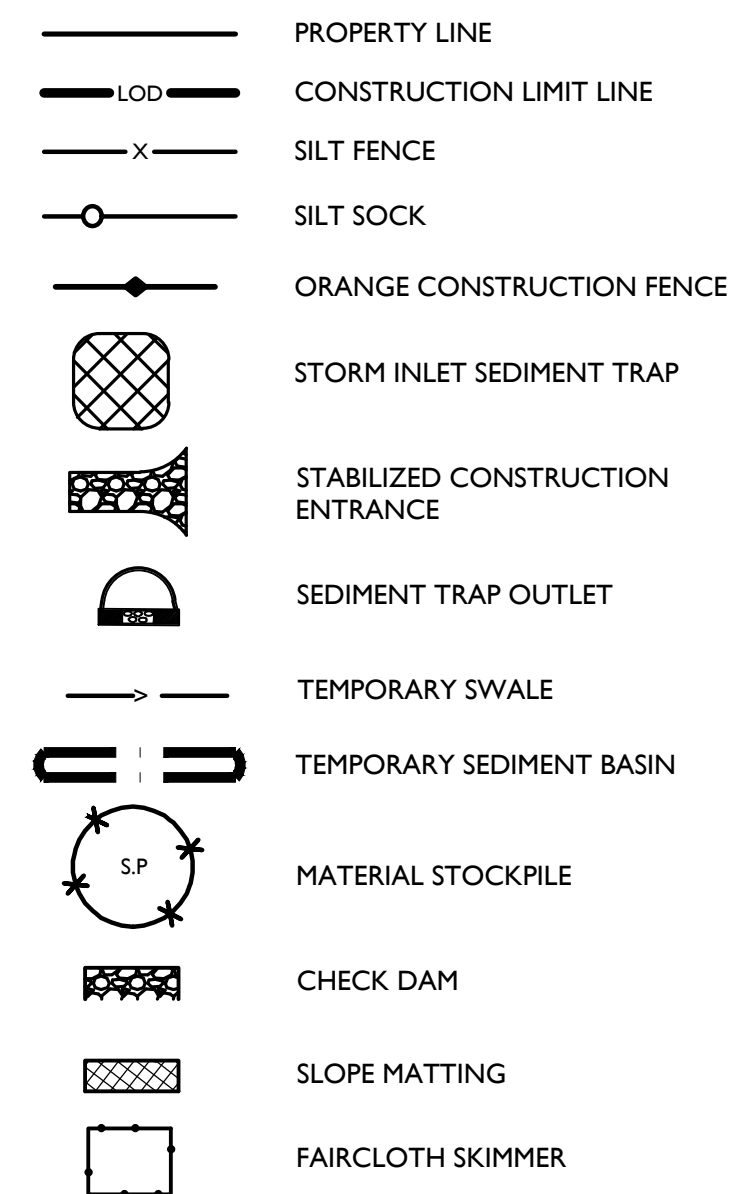
WETLAND BUFFER NOTE:

- 1. WETLAND AREAS MUST BE STAKED OUT BY A LICENSED SURVEYED AND DELINEATED WITH ORANGE CONSTRUCTION FENCE PRIOR TO THE START OF CONSTRUCTION.

INFILTRATION AREA PROTECTION DURING CONSTRUCTION

- 1. STORMWATER INFILTRATION AREAS MUST BE PROTECTED FROM SEDIMENTATION AND SURCHARGE LOADING FROM EQUIPMENT AT ALL TIMES DURING CONSTRUCTION.

LEGEND FOR EROSION CONTROL DURING CONSTRUCTION



CONSTRUCTION SEQUENCING NOTES:

- 1. PRIOR TO BREAKING GROUND, THE CONTRACTOR, OWNER, AND ENGINEER MUST ATTEND A PRECONSTRUCTION MEETING WITH THE TOWN REPRESENTATIVES... 2. END ALL APPLICABLE EROSION CONTROL MEASURES AS SHOWN ON THE PLAN... 3. THE CONTRACTOR SHALL INSTALL THE TEMPORARY SWALES AND SEDIMENT PONDS AS INDICATED... 4. DISTURBED SOIL SHALL BE TEMPORARILY STABILIZED AS SOON AS PRACTICAL... 5. TEMPORARY STABILIZATION - MEANS THAT EXPOSED SOIL HAS BEEN COVERED WITH MATERIALS... 6. THE CONTRACTOR SHALL GRADE THE SITE SYSTEMATICALLY... 7. THE SUBBASE AND CURBING SHALL BE INSTALLED AS SOON AS PRACTICABLE... 8. GRADE AND SPREAD TOPSOIL ON ALL LAWN AREAS AND SEED... 9. THE PROJECT SITE MUST MEET FINAL STABILIZATION CRITERIA... 10. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBANCE ACTIVITIES... 11. UPON FINAL STABILIZATION BEING MET, CONTRACTOR SHALL CLEAR... 12. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED...

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.

PRELIMINARY SITE PLAN

FOR 622 ROUTE 303 LLC

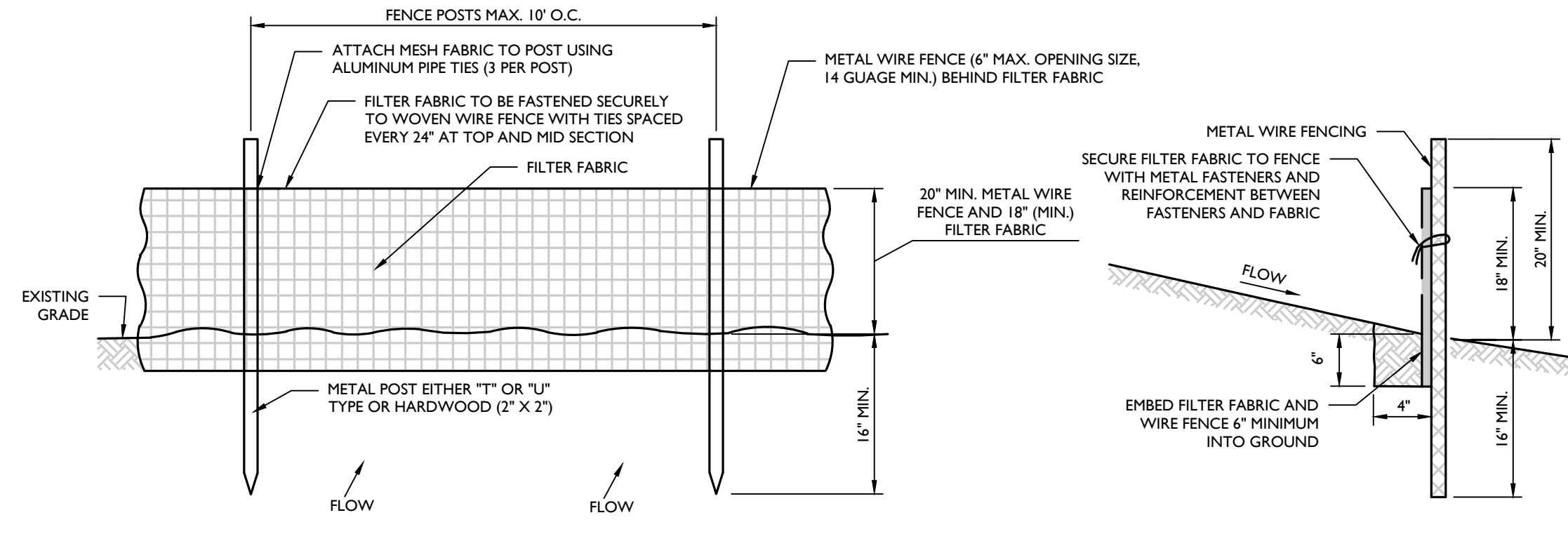
SBL: 65.14-1-11.2 & 11.3

TOWN OF ORANGETOWN ROCKLAND COUNTY NEW YORK STATE

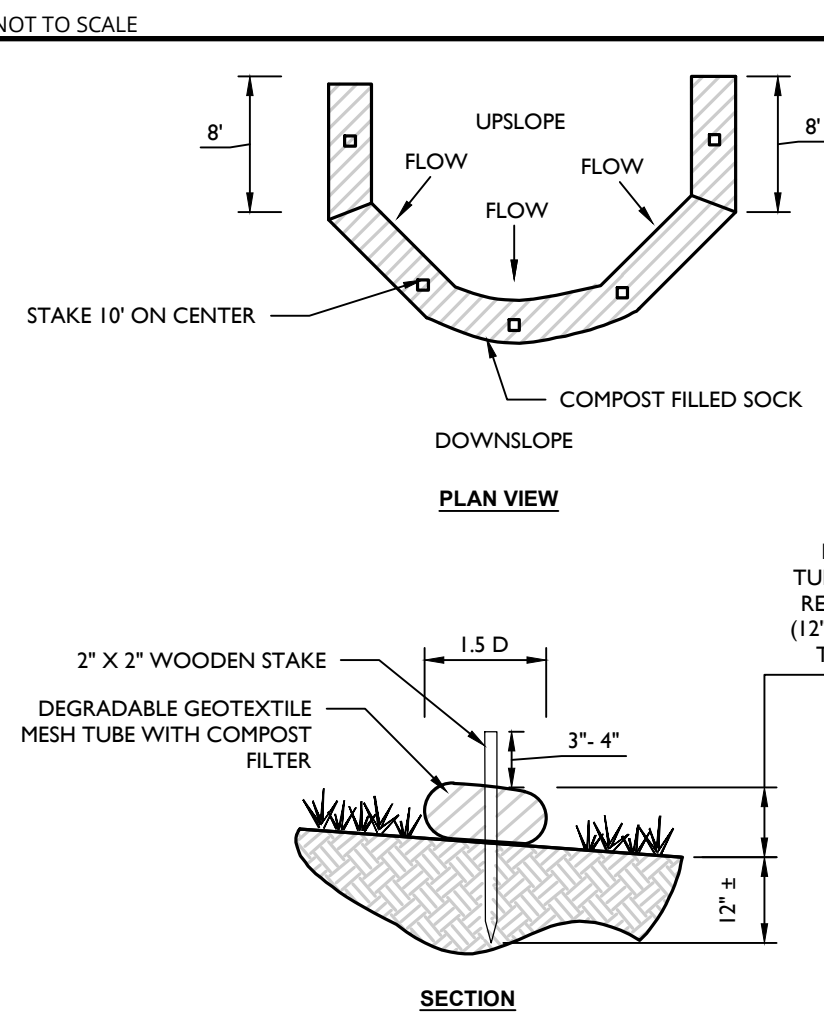
Colliers Engineering & Design logo and address: 555 Hudson Valley Avenue, Suite 101, New Windsor, NY 12553. Phone: 845.564.4495.

Table with columns: SHEET NUMBER, DATE, DRAWN BY, CHECKED BY, PROJECT NUMBER, DRAWING NAME.

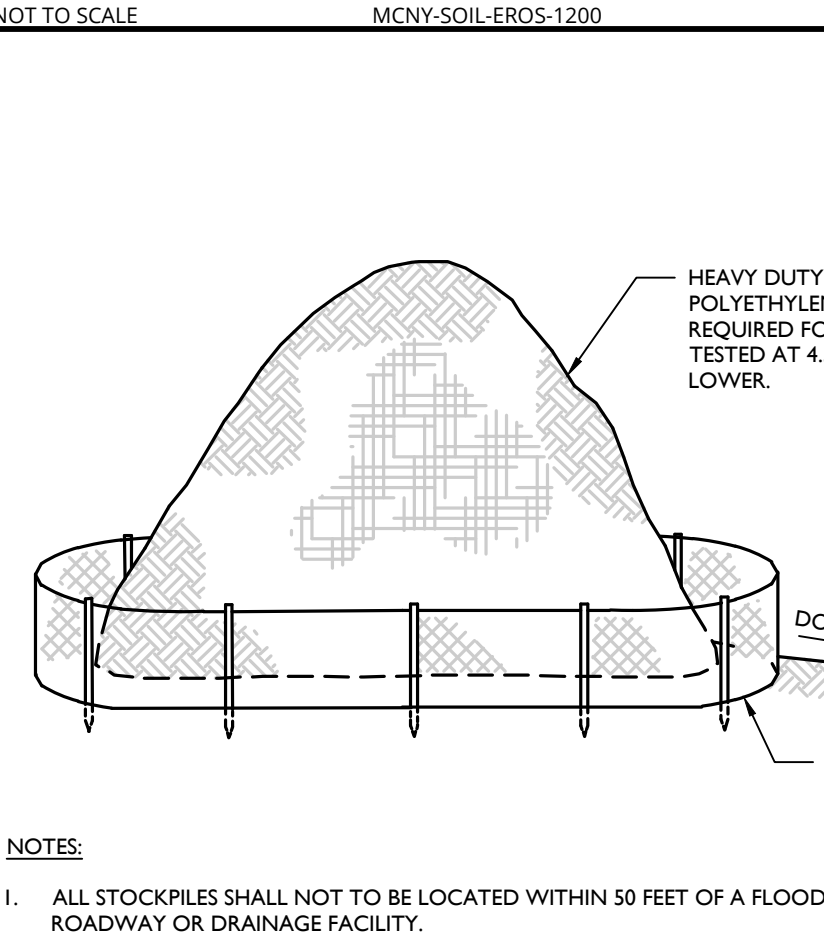
SOIL EROSION & SEDIMENT CONTROL PLAN



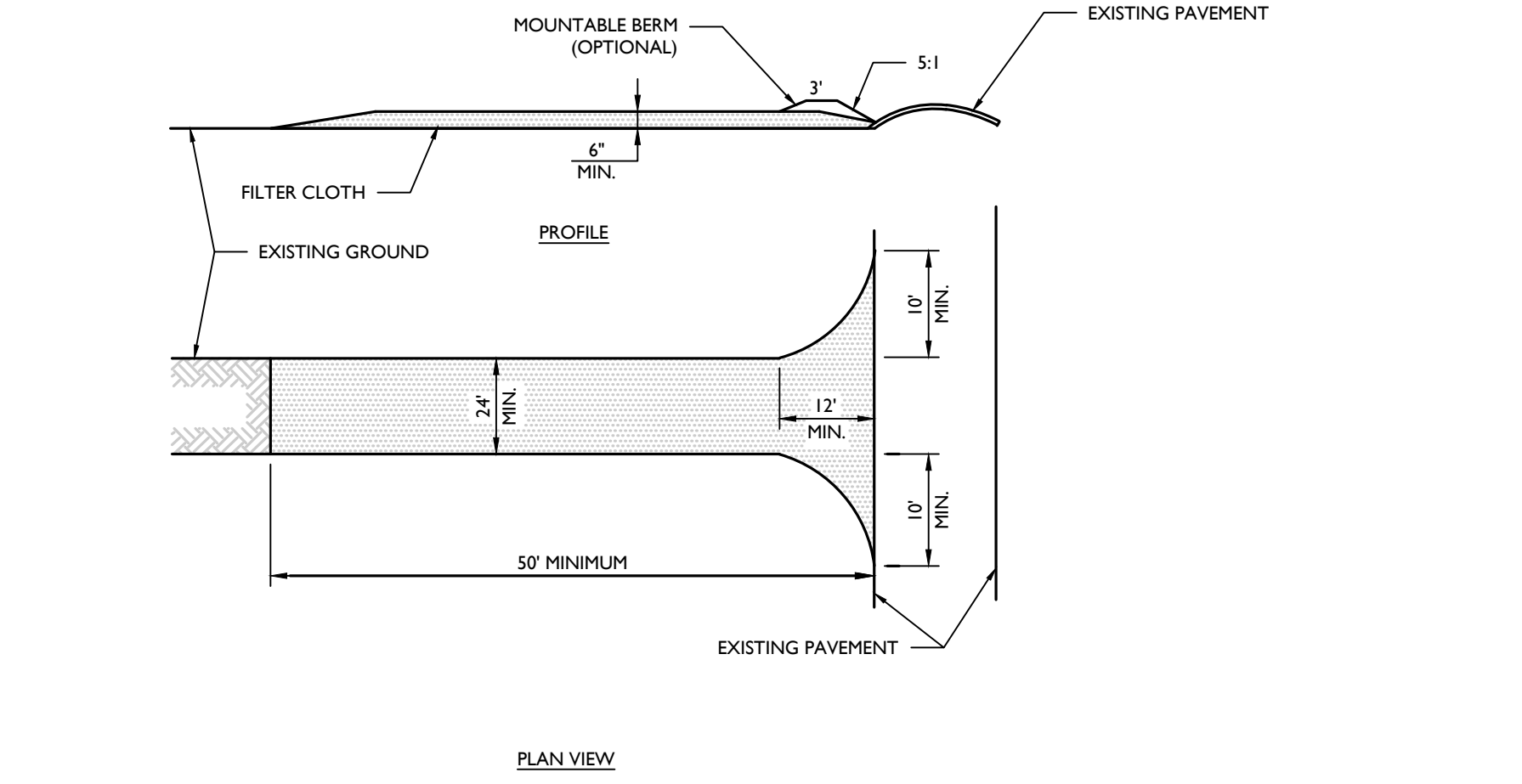
REINFORCED SILT FENCE (WITH WIRE FENCE) DETAIL
MCNYSOIL-EROS-1101 07/01/19



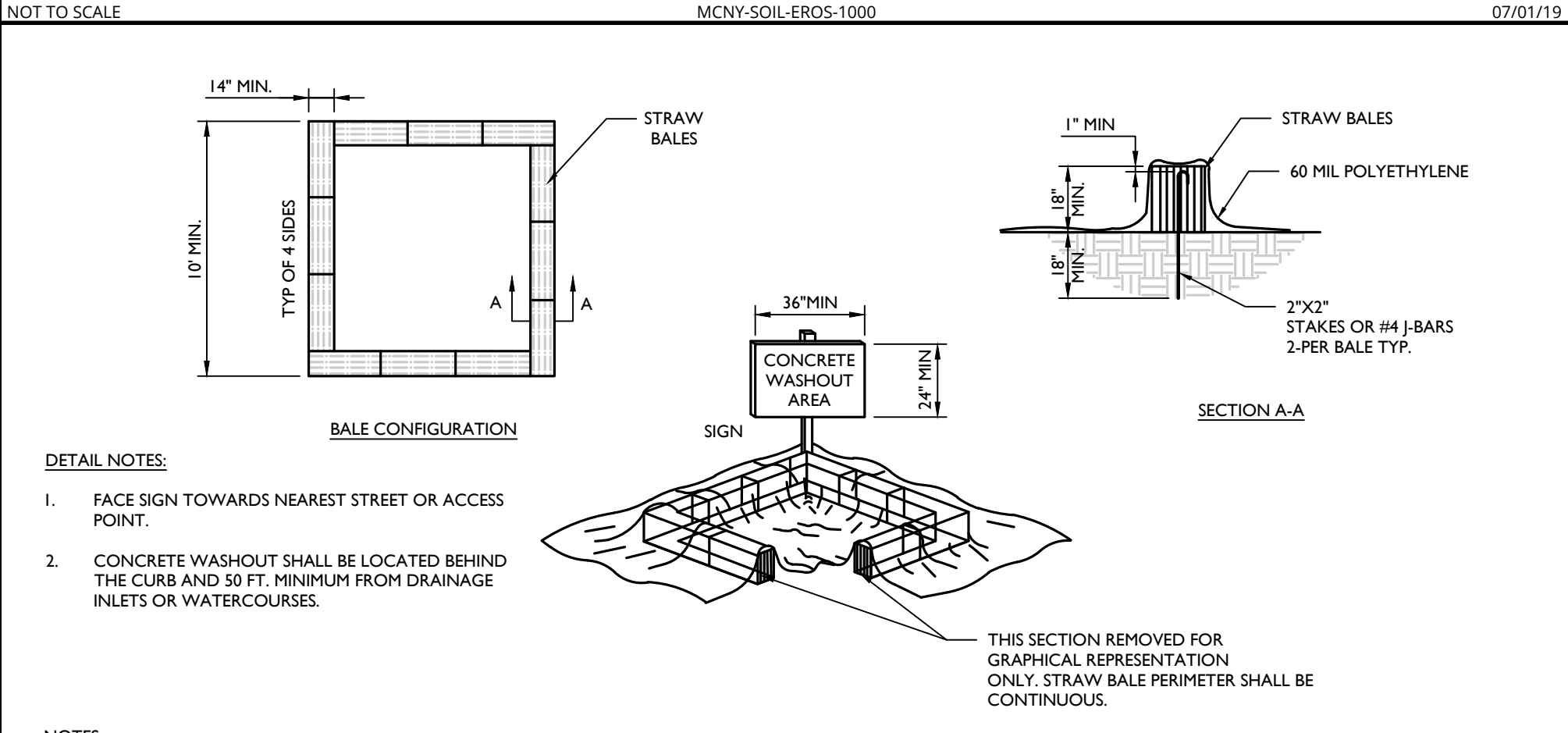
COMPOST FILTER SOCK DETAIL
MCNYSOIL-EROS-1200 05/01/17



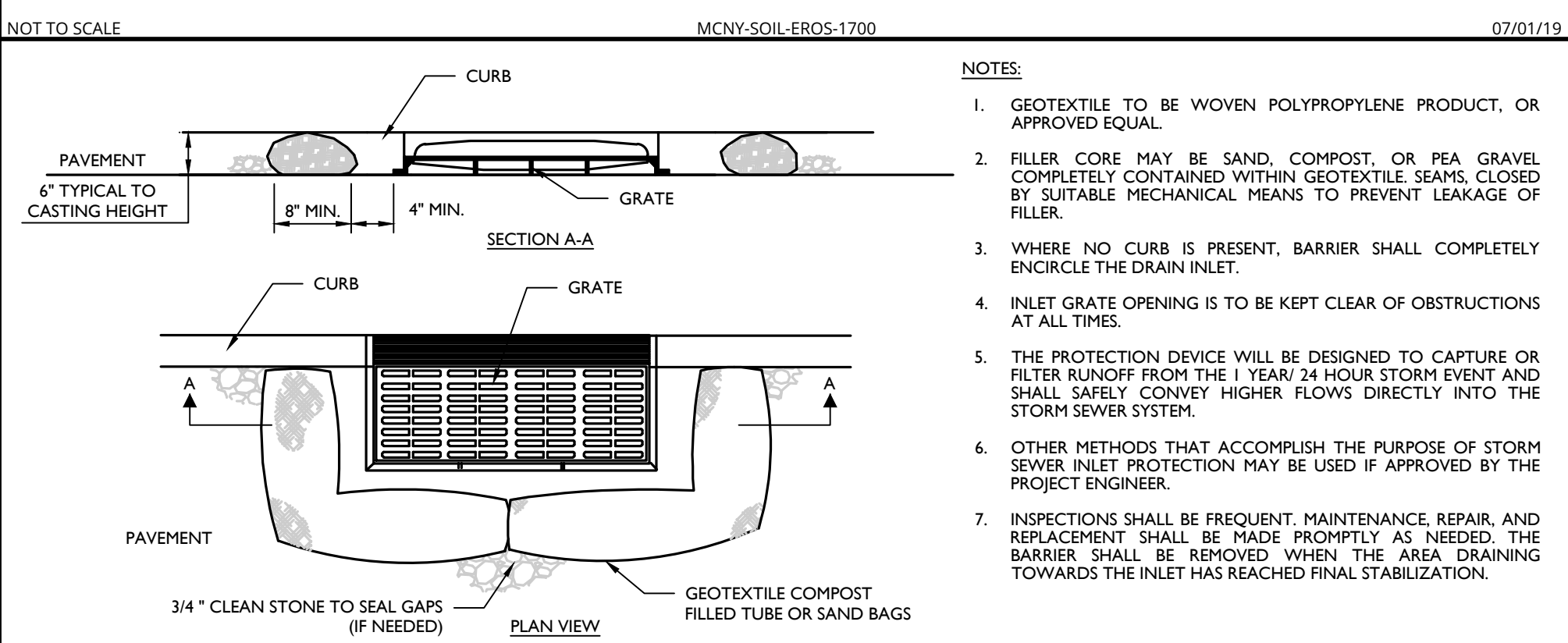
TOPSOIL STOCKPILE DETAIL
MCNYSOIL-EROS-2500 07/01/19



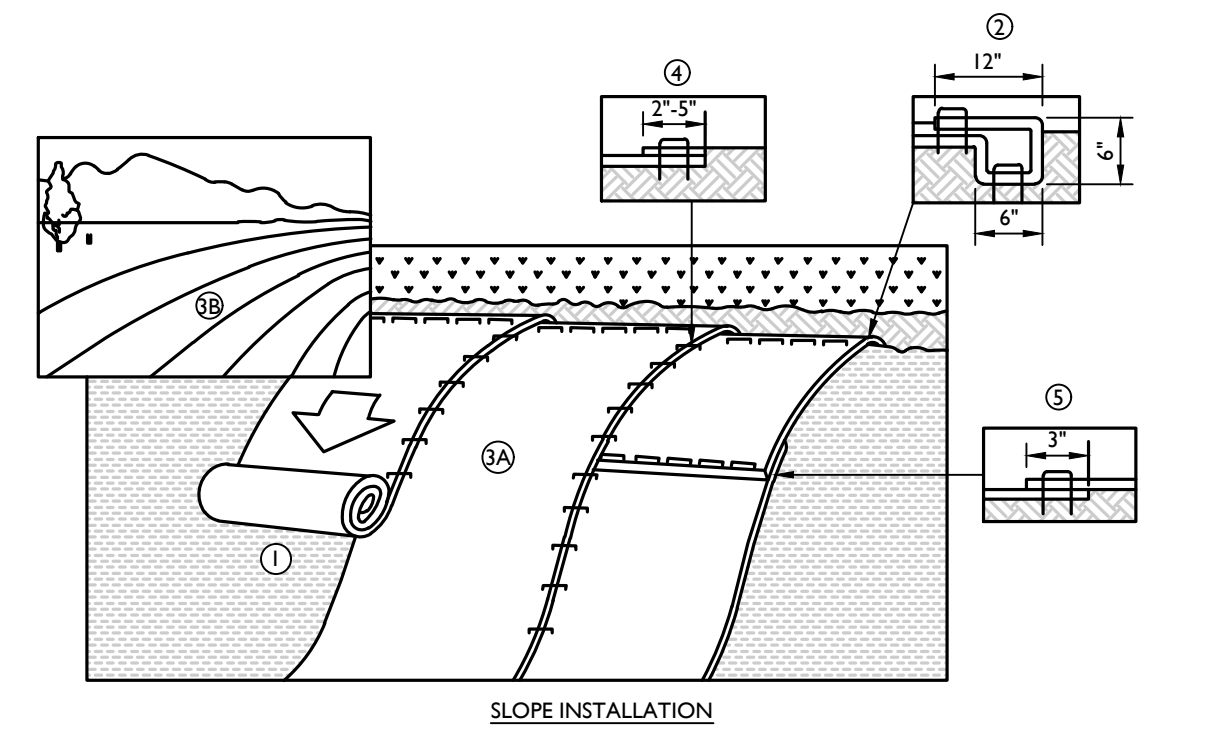
STABILIZED CONSTRUCTION ENTRANCE DETAIL
MCNYSOIL-EROS-1000 07/01/19



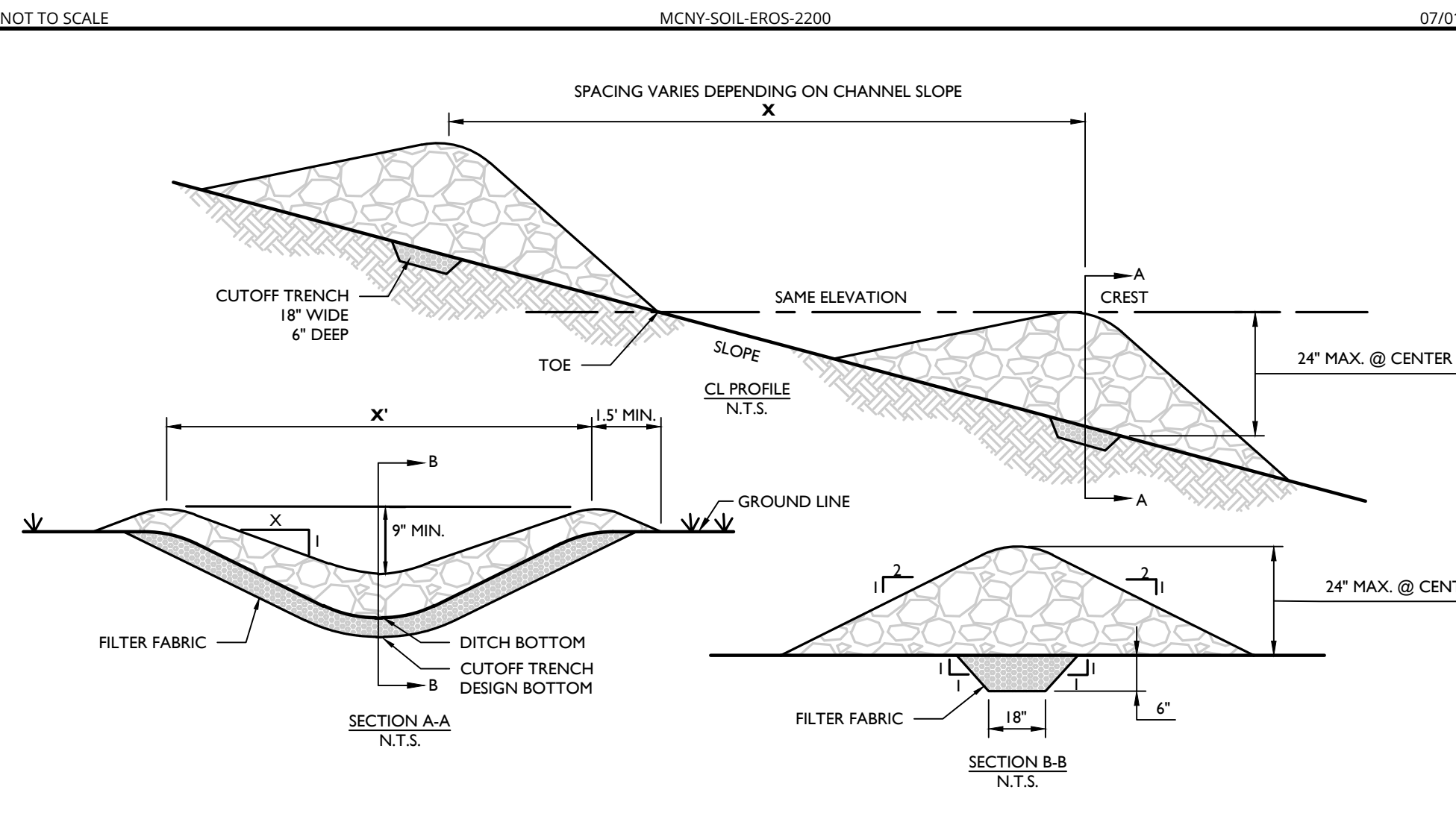
CONCRETE WASHOUT DETAIL
MCNYSOIL-EROS-1700 07/01/19



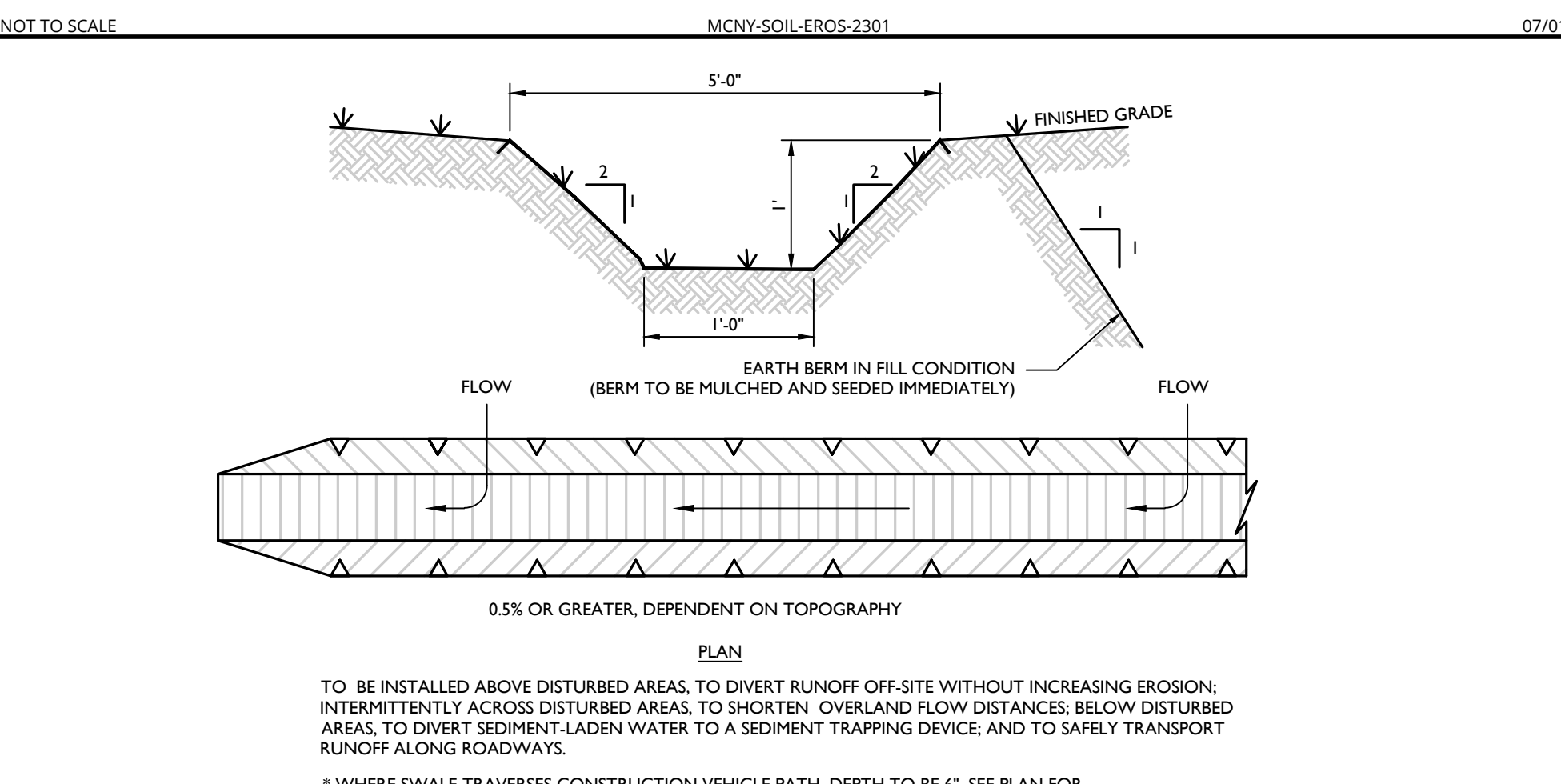
INLET PROTECTION (FILTER BARRIER) DETAIL
MCNYSOIL-EROS-1500 07/01/19



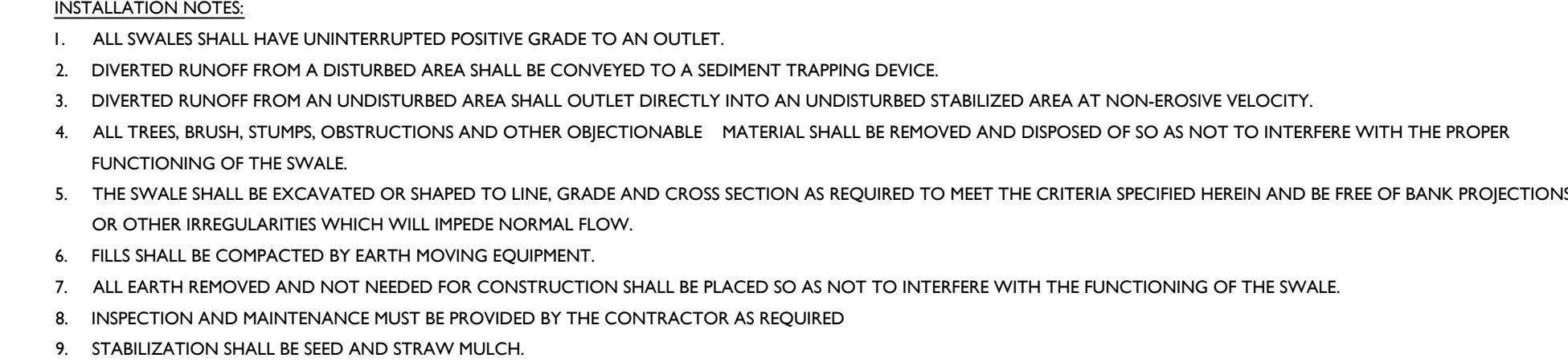
EROSION MATTING (CURLAX ENFORCER I) DETAIL
MCNYSOIL-EROS-2200 07/01/19



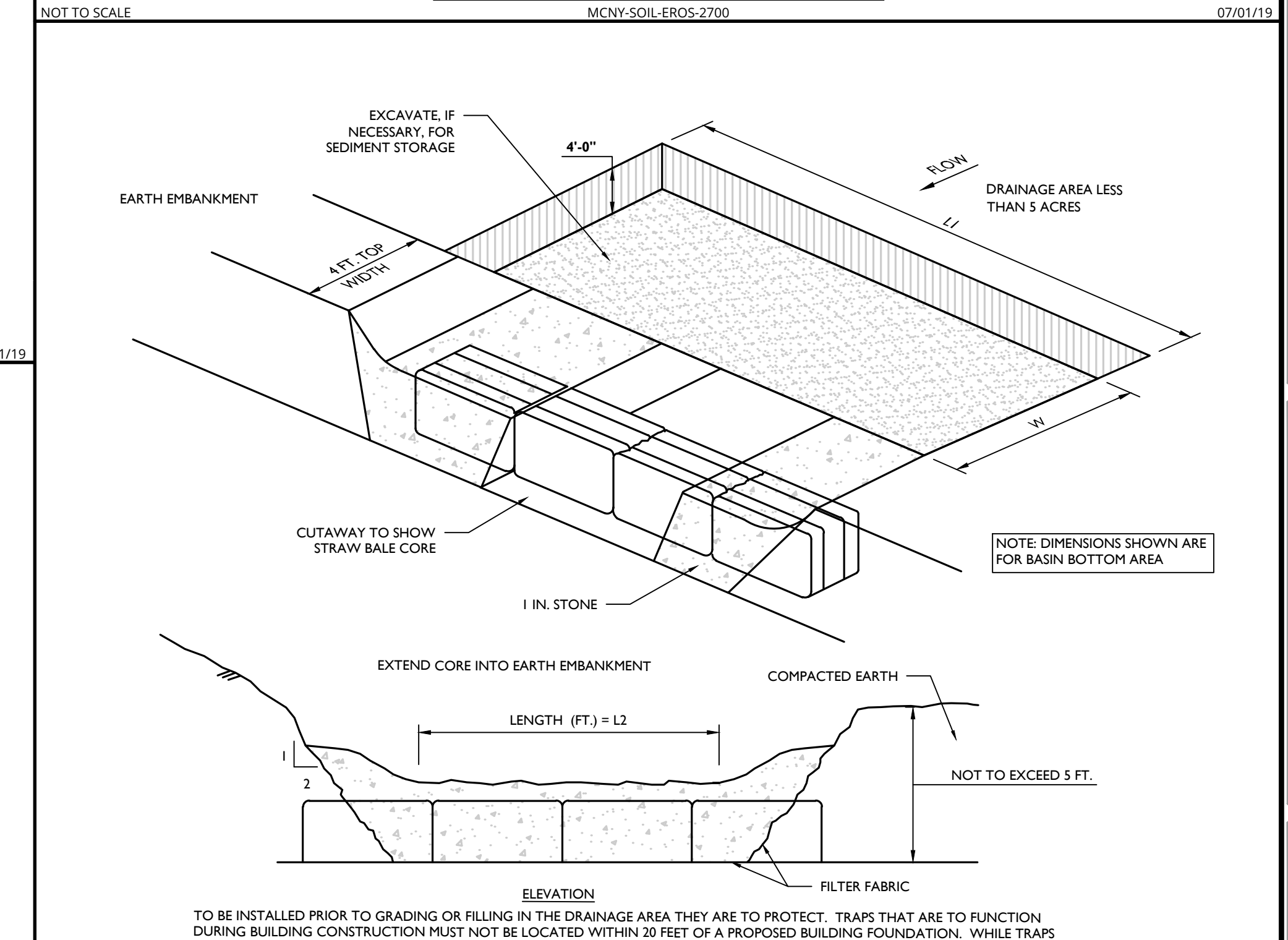
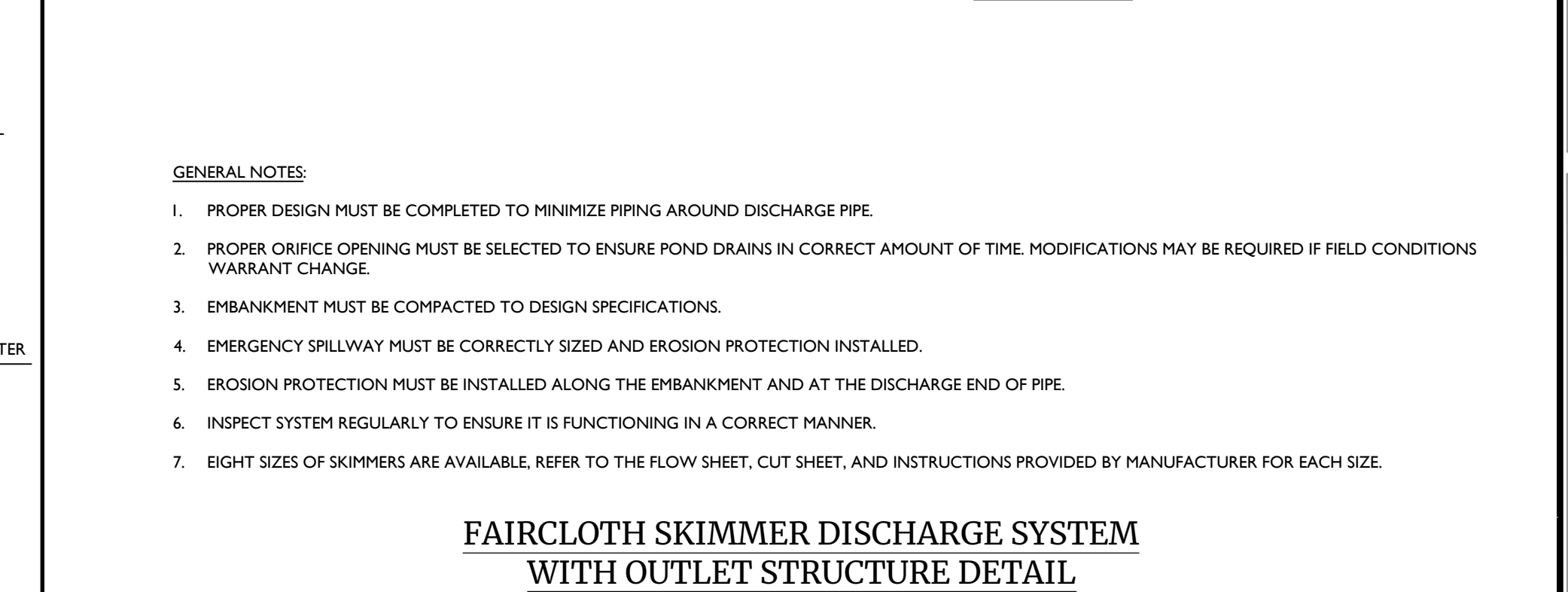
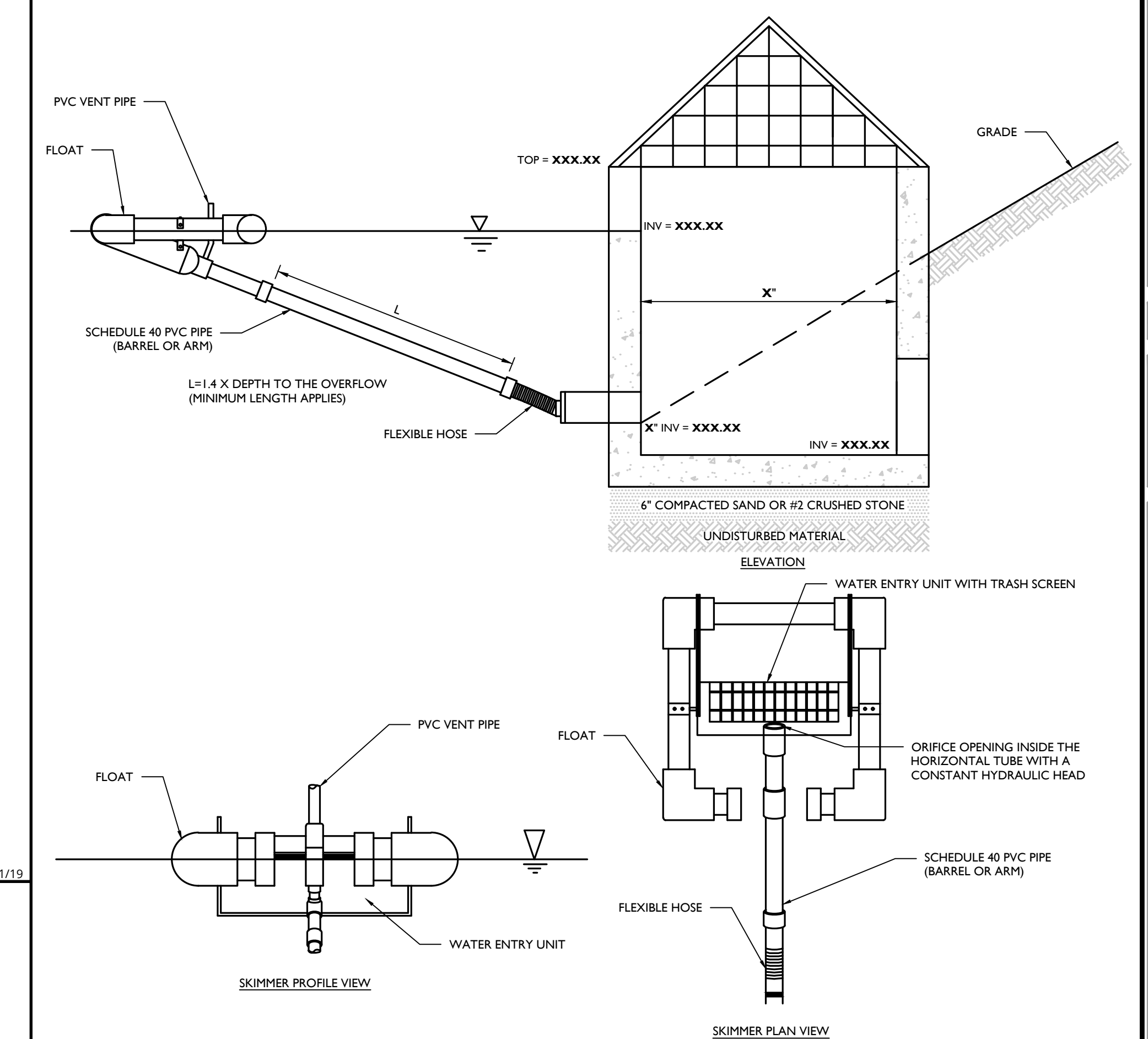
STONE CHECK DAM DETAIL
MCNYSOIL-EROS-2301 07/01/19



TEMPORARY SWALE & EARTH BERM DETAIL
MCNYSOIL-EROS-2302 07/01/19



FAIRCLOTH SKIMMER DISCHARGE SYSTEM WITH OUTLET STRUCTURE DETAIL
MCNYSOIL-EROS-2700 07/01/19



INSTALLATION NOTES

- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED AS WELL.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION, AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL AND OTHER QUESTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
- THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- ALL CUT AND FILL SLOPES SHALL BE 1:3 OR FLATTER.
- THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.

GENERAL NOTES

- PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE.
- PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT CHANGE.
- EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
- EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
- EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF PIPE.
- INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
- EIGHT SIZES OF SKIMMERS ARE AVAILABLE. REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS PROVIDED BY MANUFACTURER FOR EACH SIZE.

NOTES

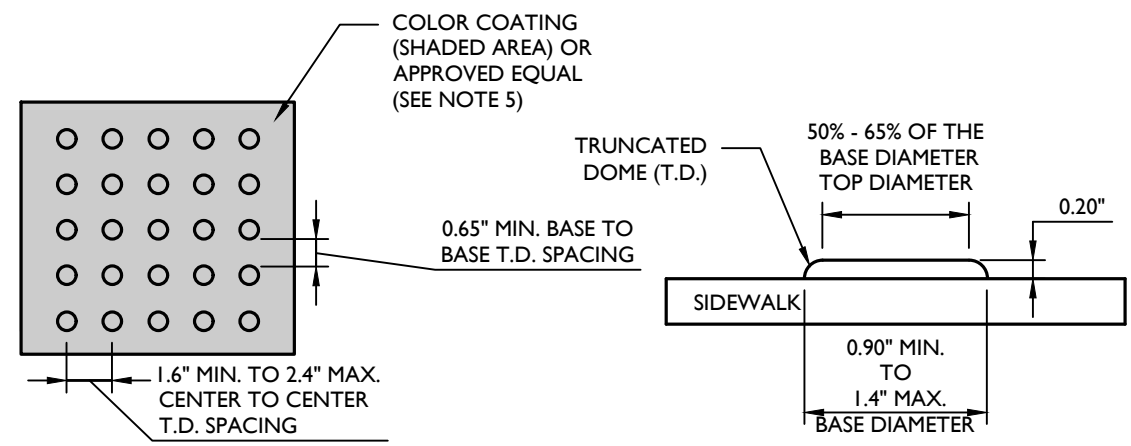
- 3,600 CUBIC FEET OF STORAGE REQUIRED PER ACRE OF DISTURBANCE.
- THIS IS THE MINIMUM AMOUNT OF SEDIMENT TRAPS. ADDITIONAL MAY BE REQUIRED BASED UPON OTHER ON-SITE CONDITIONS AND CONTRACTOR SCHEDULE AND PHASING ACTIVITIES.

NOT TO EXCEED 5 FT.

SEDM. TRAP	DRAINAGE AREA	AREA (FT ²)	DEPTH (FT)	VOLUME REQ'D (CF)	VOLUME PROVIDED (CF)	WEIR LENGTH (L)
A	21.5 AC.	1,410	4.0 FT.	5,400 C.F.	5,400 C.F.	4.0 FT.
B	22.7 AC.	3,760	3.0 FT.	9,720 C.F.	11,280 C.F.	4.0 FT.
C	21.1 AC.	1,125	3.0 FT.	3,660 C.F.	4,500 C.F.	4.0 FT.
D	22.2 AC.	3,950	2.0 FT.	1,900	3.0 FT.	12,400 C.F.
E	22.5 AC.	4,415	2.0 FT.	9,000 C.F.	18,550 C.F.	4.0 FT.
F	22.2 AC.	8,040	3.0 FT.	7,920 C.F.	24,120 C.F.	4.0 FT.

STONE OUTLET SEDIMENT TRAP TABLE

STONE OUTLET SEDIMENT TRAP DETAIL
MCNYSOIL-EROS-1601 07/01/19



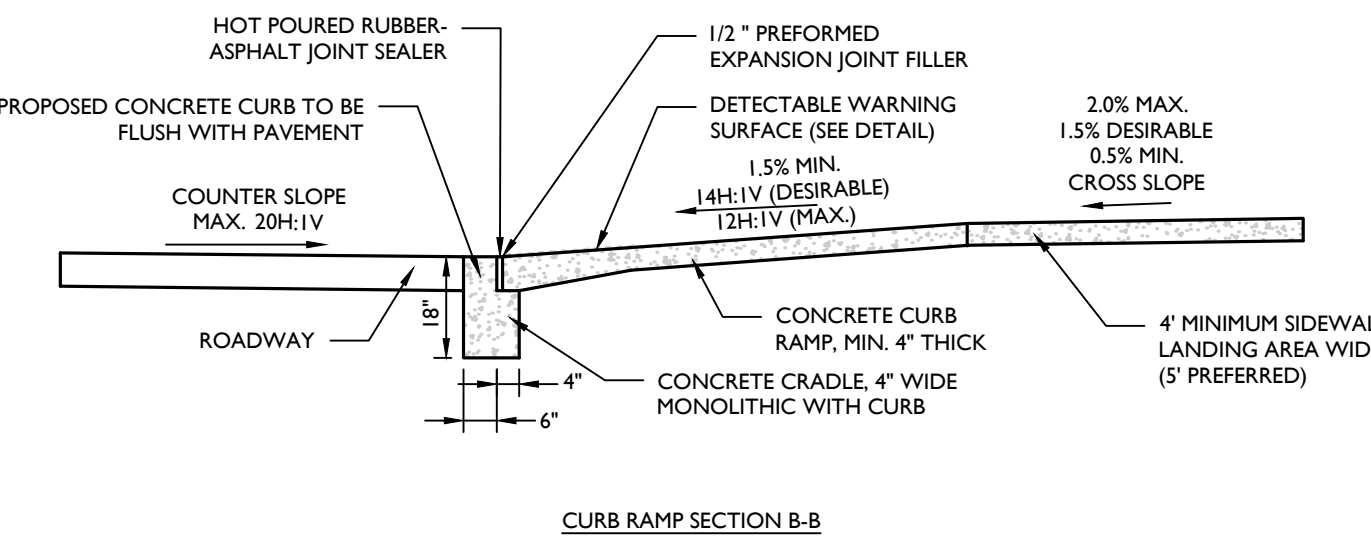
NOTES:

- 1. THE DETECTABLE WARNING SURFACE SHALL BE MANUFACTURED MATS THAT ARE EMBEDDED AND CAST-IN-PLACE IN THE CONCRETE.
2. IN LIEU OF A CAST IN PLACE DETECTABLE WARNING SURFACE, THE CONTRACTOR MAY UTILIZE A SURFACE APPLIED DETECTABLE WARNING SURFACE WITH PRIOR APPROVAL OF THE UNDERSIGNED ENGINEER AND PRIOR TO POURING OF THE CONCRETE RAMP.
3. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A SHOP DRAWING OF THE DETECTABLE WARNING SURFACE PRIOR TO CONSTRUCTION FOR APPROVAL.
4. THE CONTRACTOR SHALL PROVIDE A MANUFACTURER CERTIFICATION THAT THE DETECTABLE WARNING SURFACE COMPLIES WITH THE CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN AS PUBLISHED BY THE DEPARTMENT OF JUSTICE AND THE ADA STANDARDS AS SUPPORTED BY THE UNITED STATES ACCESS BOARD, AND THE STATE AND/OR LOCAL ADA STANDARDS.
5. SAFETY RED SHALL BE APPROVED BY THE LOCAL JURISDICTION PRIOR TO INSTALLATION. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. ALTERNATIVE COLOR MAY BE USED PROVIDED SUCH COLOR COMPLIES WITH CURRENT ADA STANDARDS.
6. DETECTABLE WARNINGS SHALL CONSIST OF A SURFACE OF TRUNCATED DOMES.
7. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 INCH (23 mm) MINIMUM AND 1.4 INCHES (36 mm) MAXIMUM AT TOP DIAMETER OR 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCH (5.1 mm).
8. TRUNCATED DOMES IN DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES (41 mm) MINIMUM AND 2.4 INCHES (61 mm) MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH (17 mm) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.

DETECTABLE WARNING SURFACE DETAIL

MCNY-SITE-HADA-2100

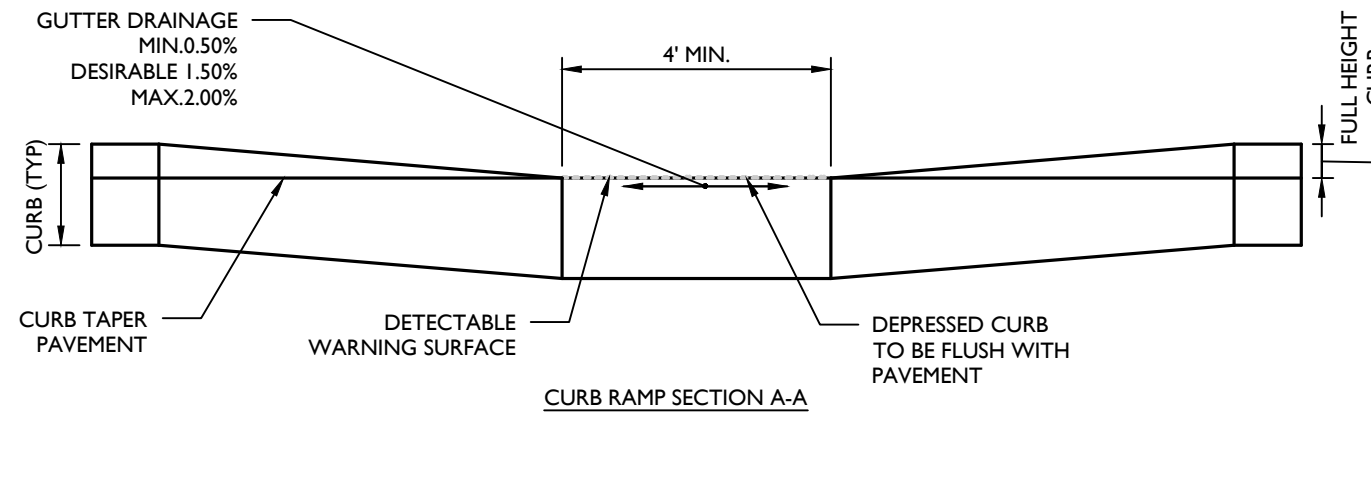
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CURB RAMP SECTIONS

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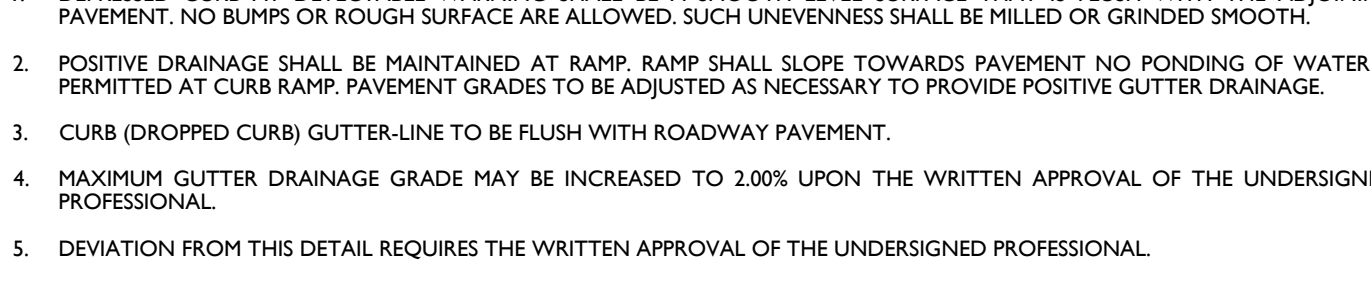
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CURB RAMP SECTION A.A

MCNY-SITE-HADA-1000

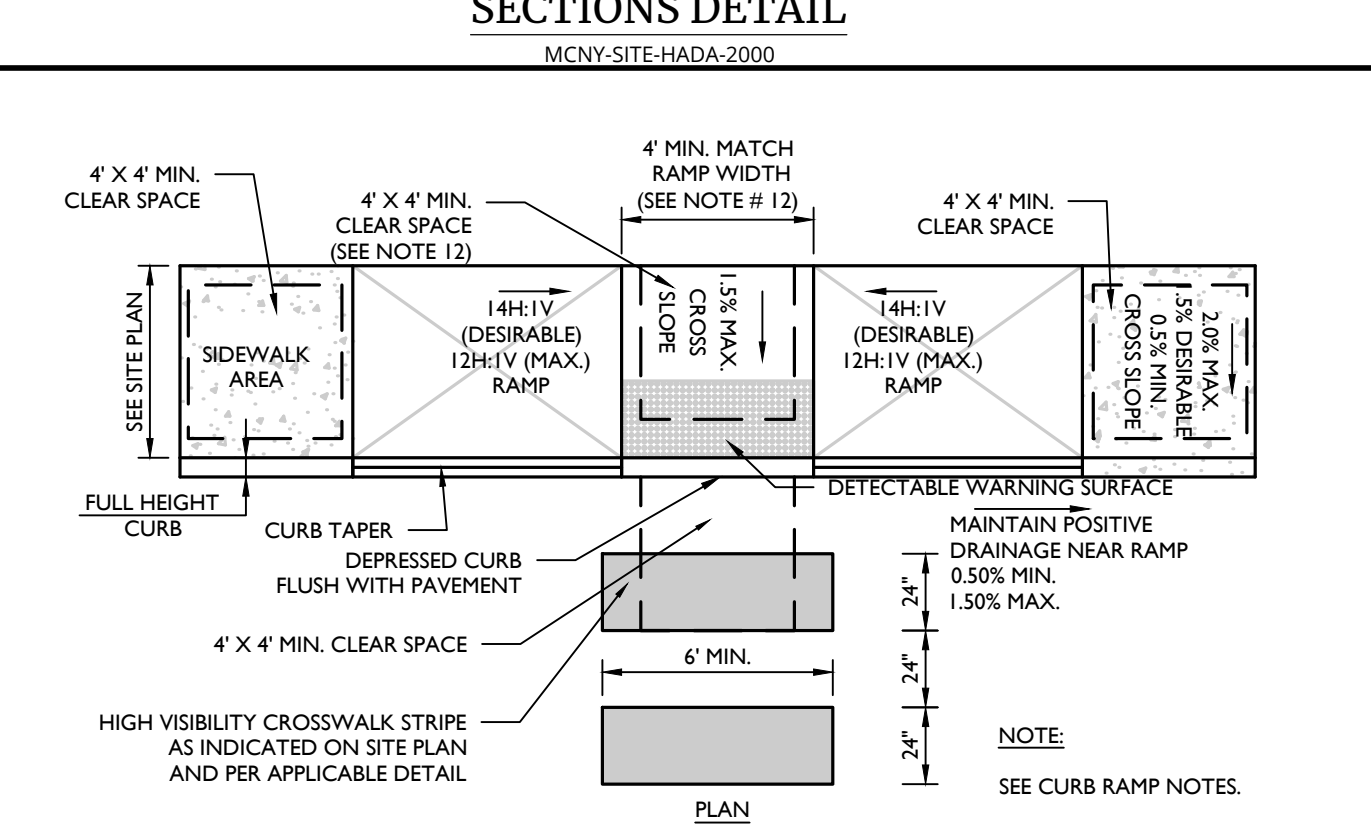
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CURB RAMP TYPE 7 DETAIL

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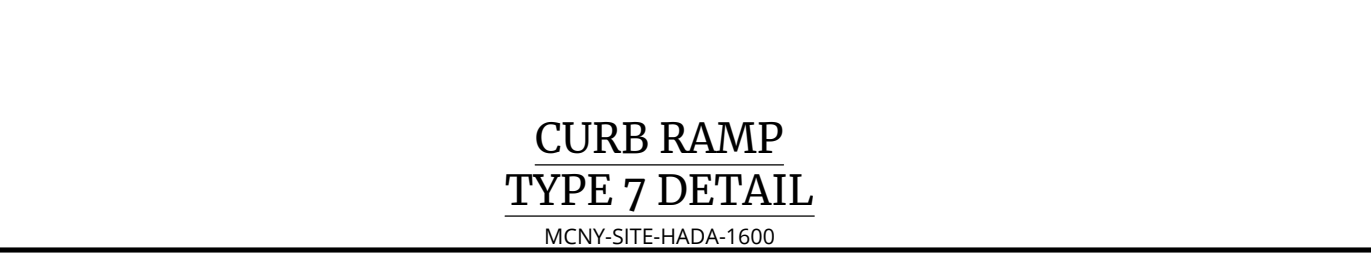
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CURB RAMP SECTIONS DETAIL

MCNY-SITE-HADA-2000

NOT TO SCALE 07/01/19



CURB RAMP TYPE 7 DETAIL

MCNY-SITE-HADA-1000

NOT TO SCALE 07/01/19



CURB RAMP SECTIONS DETAIL

MCNY-SITE-HADA-2000

NOT TO SCALE 07/01/19



CURB RAMP SECTIONS DETAIL

MCNY-SITE-HADA-2000

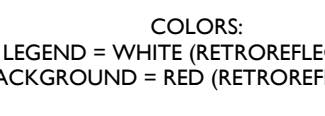
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R1-1 SIGN DETAIL

MCCM-SIGN-REGU-R1-1

NOT TO SCALE 12/01/20



R1-1 SIGN DETAIL

MCCM-SIGN-REGU-R1-1

NOT TO SCALE 12/01/20



R1-1 SIGN DETAIL

MCCM-SIGN-REGU-R1-1

NOT TO SCALE 12/01/20



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MCCM-SIGN-REGU-R1-1

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NOT TO SCALE 12/01/20



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R1-1 SIGN DETAIL

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NOT TO SCALE 12/01/20



R1-1 SIGN DETAIL

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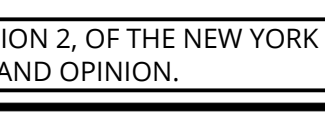
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R1-1 SIGN DETAIL

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R1-1 SIGN DETAIL

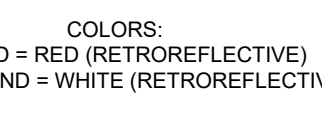
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R8-3a SIGN DETAIL

MCCM-SIGN-REGU-R8-3A

NOT TO SCALE 12/01/20



R8-3a SIGN DETAIL

MCCM-SIGN-REGU-R8-3A

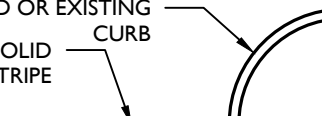
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R8-3a SIGN DETAIL

MCCM-SIGN-REGU-R8-3A

NOT TO SCALE 12/01/20



R8-3a SIGN DETAIL

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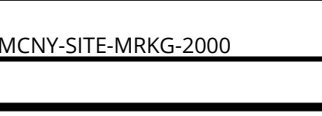
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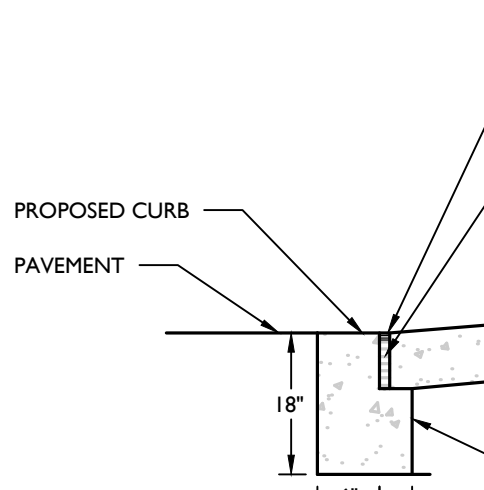
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R8-3a SIGN DETAIL

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TYPICAL STOP BAR DETAIL

MCNY-SITE-MRKG-1100

NOT TO SCALE 07/01/19



TYPICAL STOP BAR DETAIL

MCNY-SITE-MRKG-1100

NOT TO SCALE 07/01/19



TYPICAL STOP BAR DETAIL

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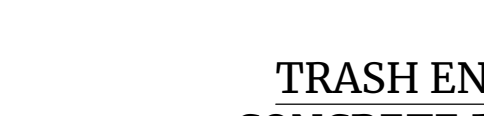
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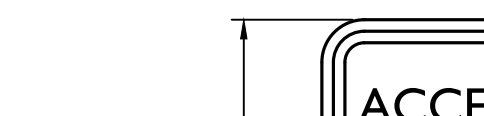
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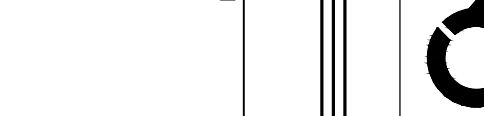
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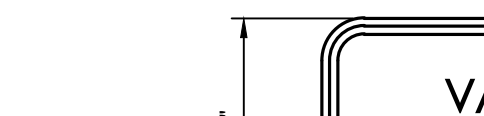
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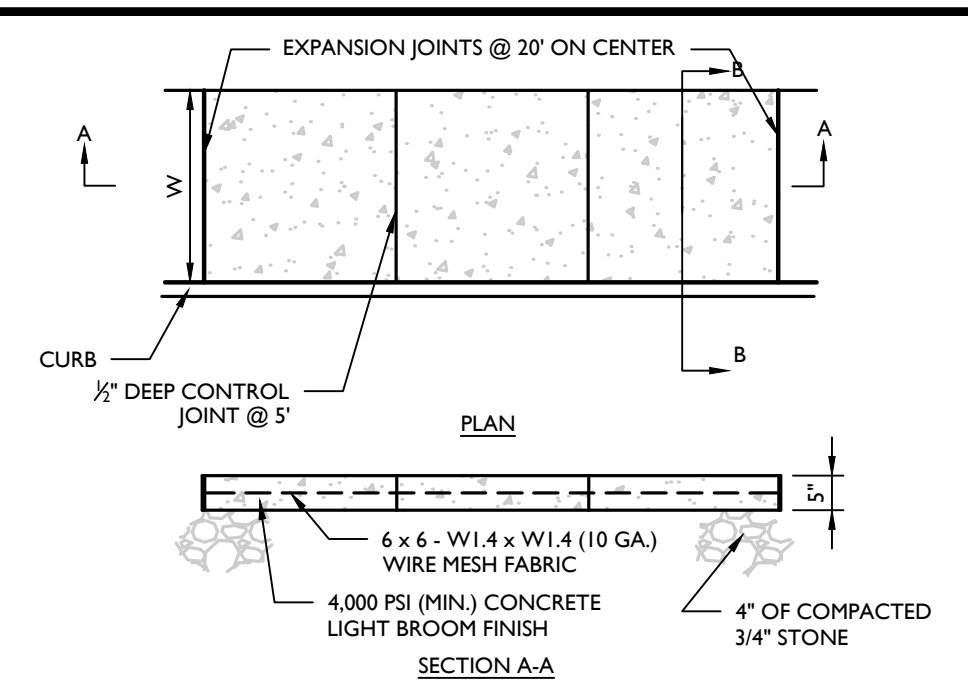
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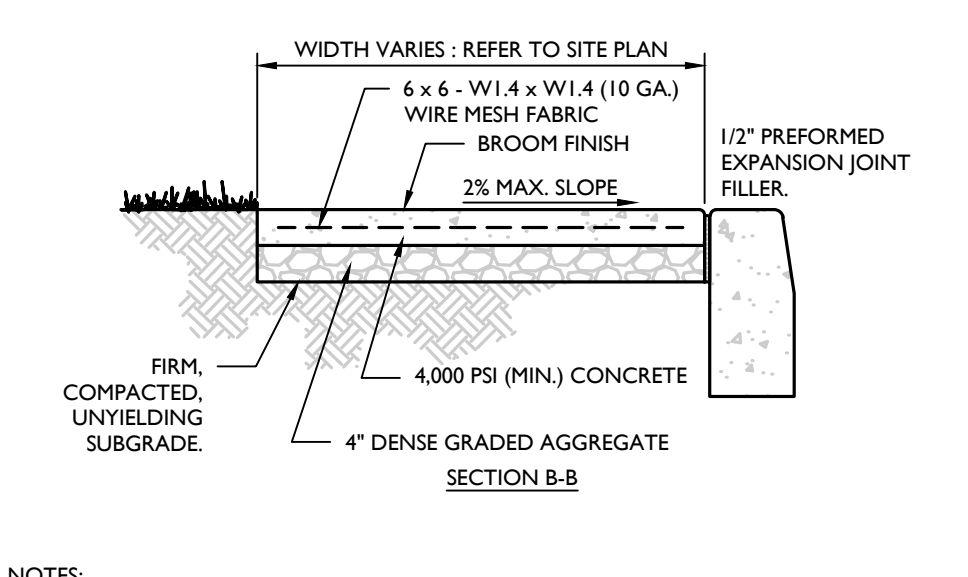
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STANDARD ASPHALT PAVEMENT DETAIL

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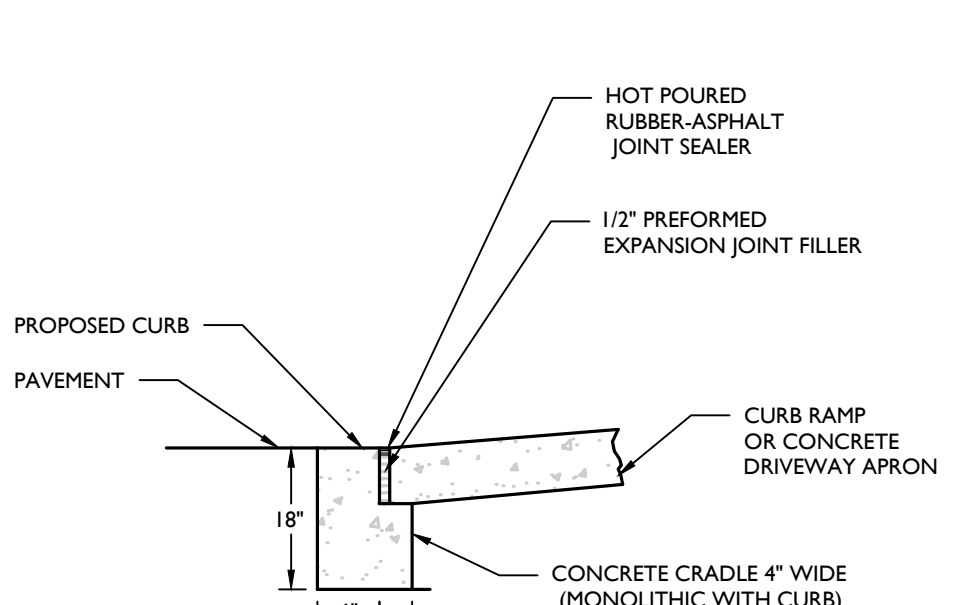
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REINFORCED CONCRETE SIDEWALK (NEXT TO CURB) DETAIL

MCNY-SITE-PVMT-1800

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FLUSH CURB AND CRADLE DETAIL

MCNY-SITE-HADA-2300

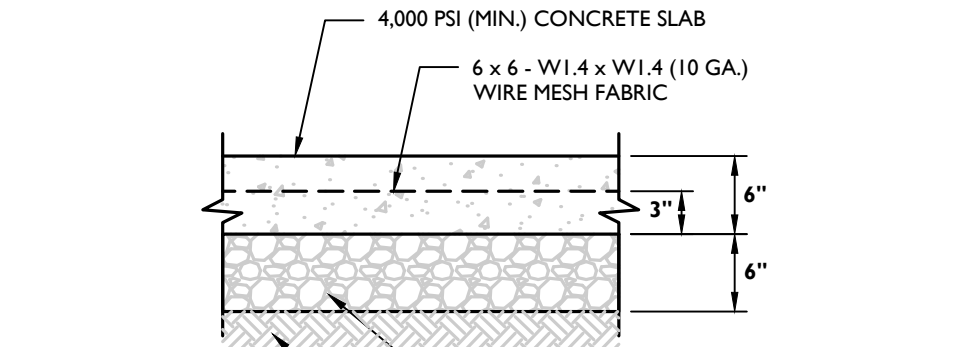
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TYPICAL PARKING STALL STRIPING DETAIL

MCNY-SITE-MRKG-1000

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TRASH ENCLOSURE CONCRETE PAD DETAIL

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NOT TO SCALE 07/01/19



BREAKAWAY SIGN POST DETAIL

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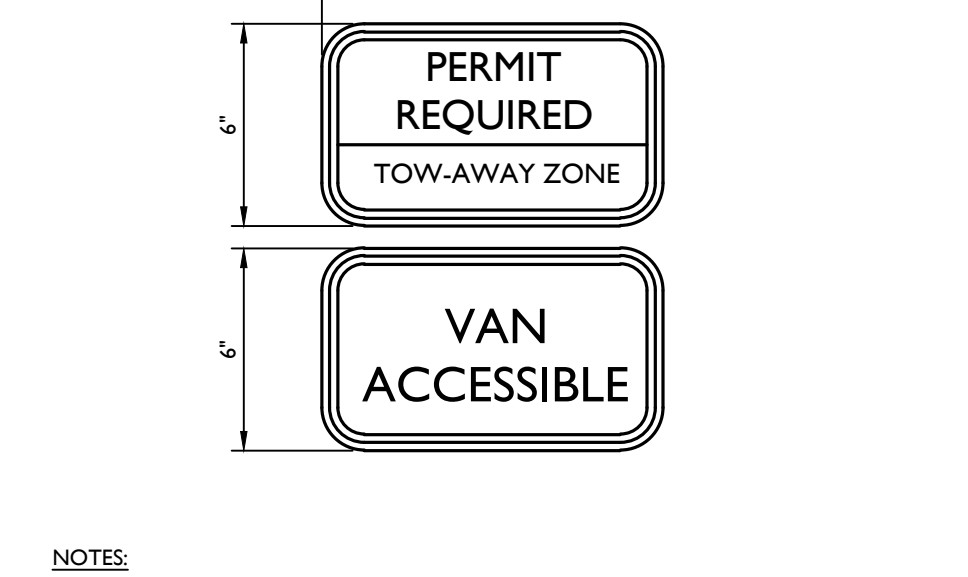
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R8-31 SIGN DETAIL

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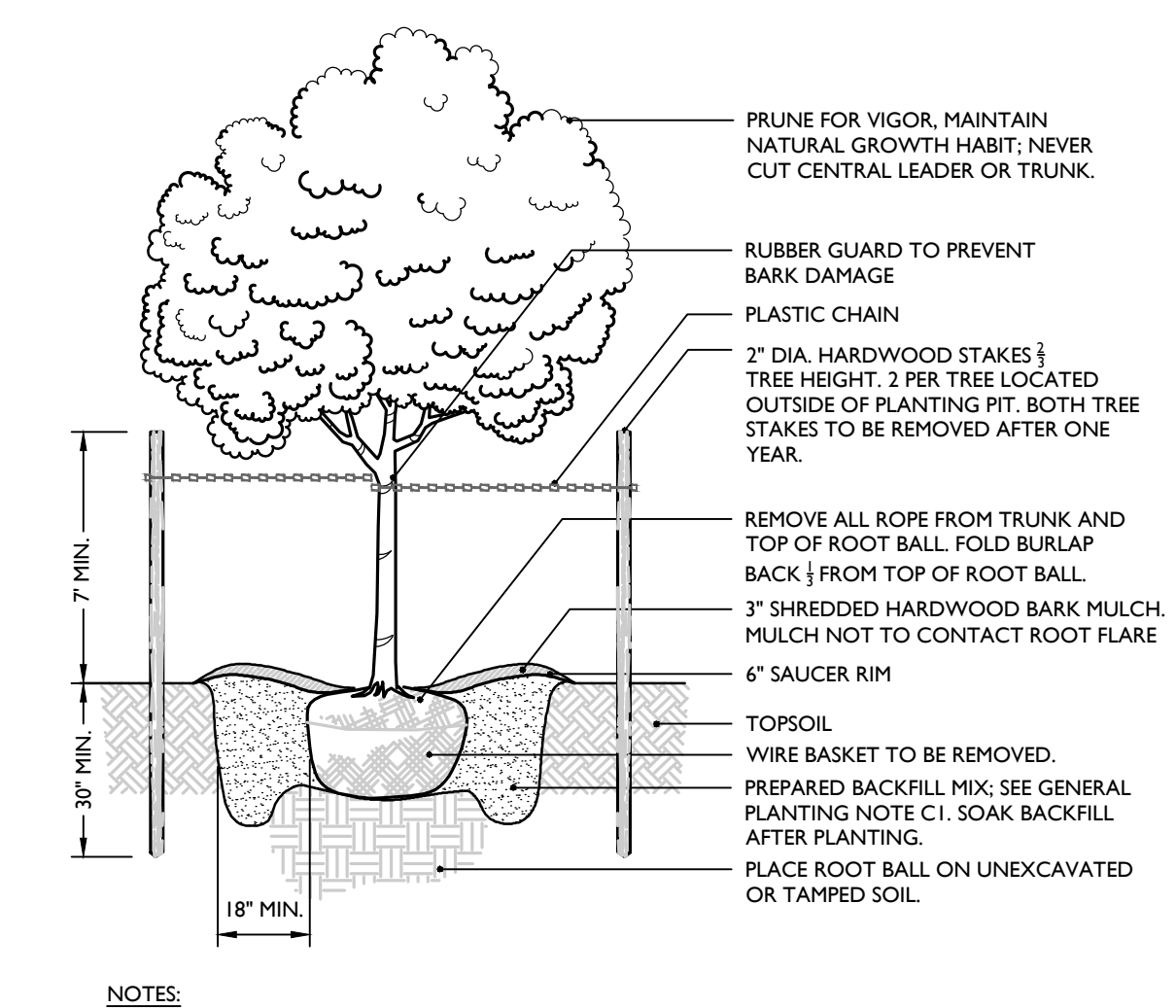


CONCRETE PAVING JOINTS DETAIL

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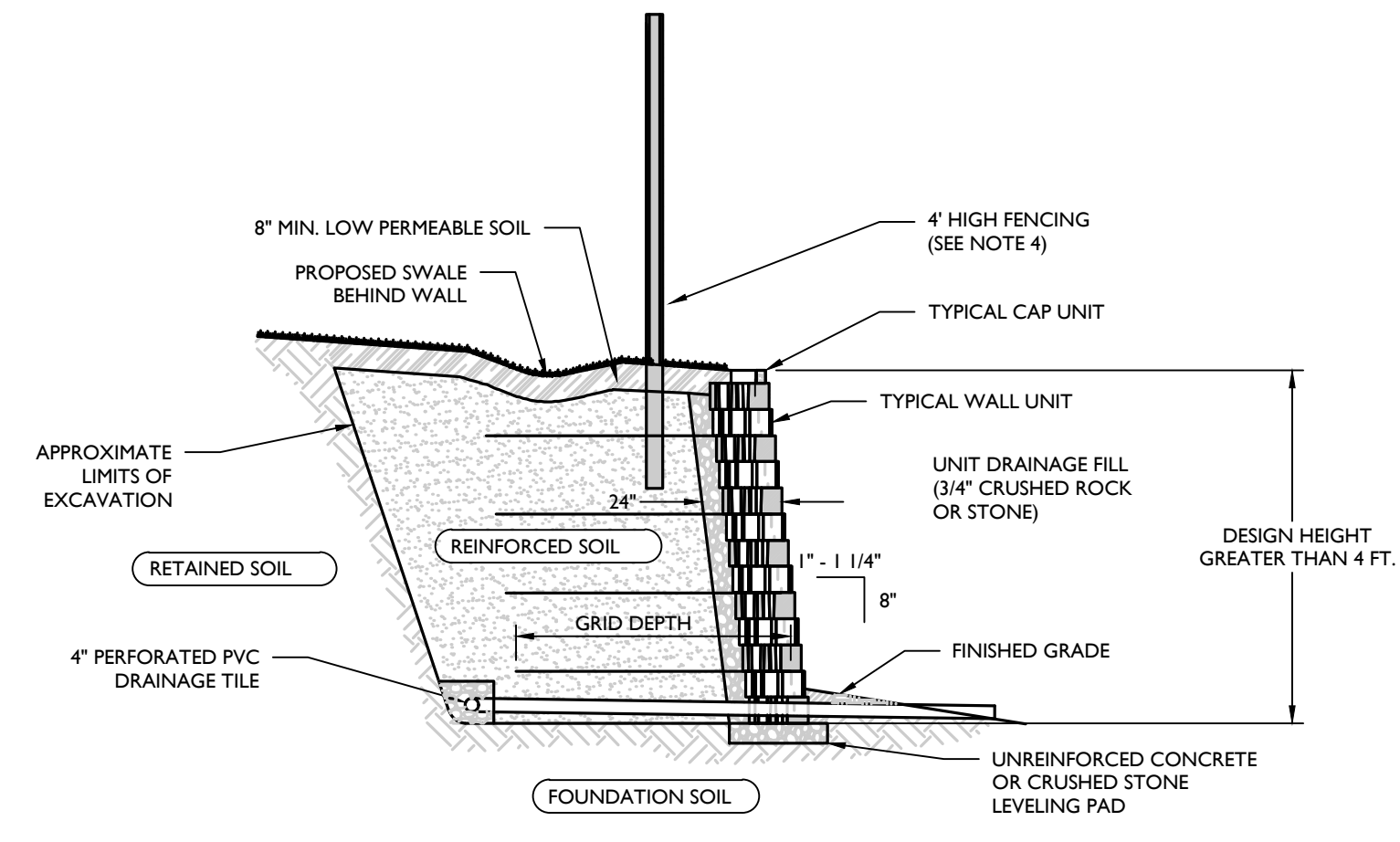
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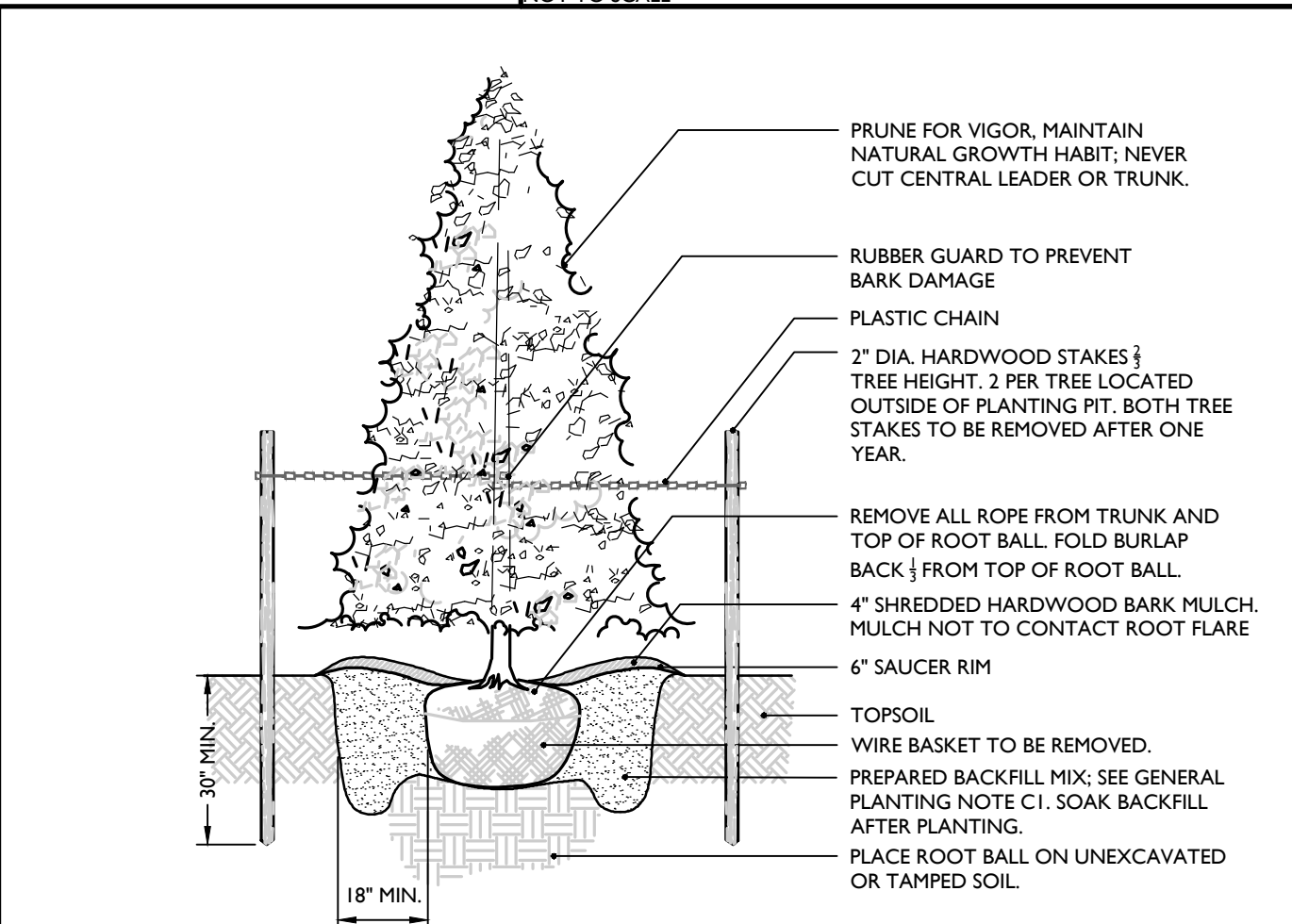
TREE PLANTING DETAIL

- NOTES: 1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.



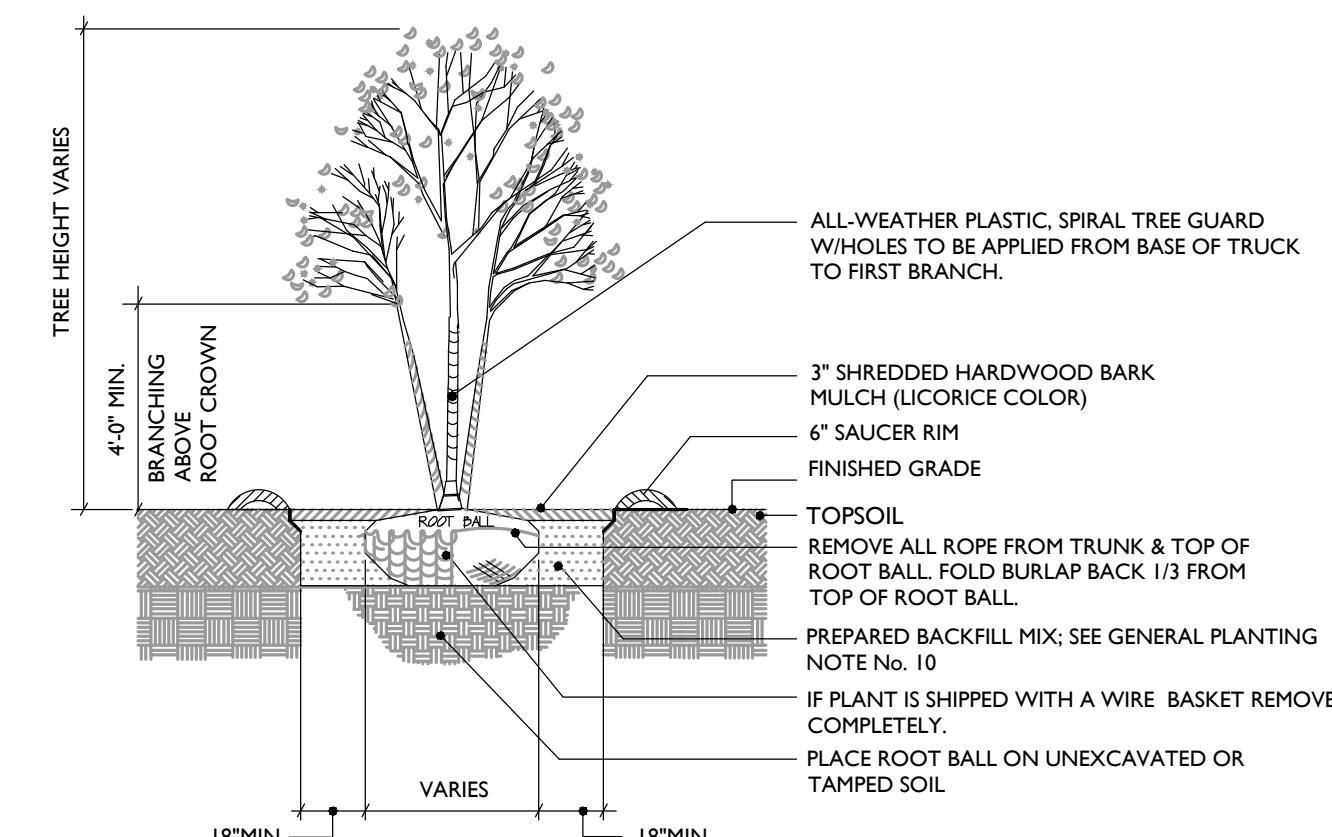
TYPICAL REINFORCED WALL SECTION (1\"/>

- NOTES: 1. THIS DETAIL IS A SCHEMATIC REPRESENTATION FOR MUNICIPAL AND/OR AGENCY APPROVALS AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION. 2. CONTRACTOR TO PROVIDE SITE-SPECIFIC SHOP DRAWINGS AND STRUCTURAL DESIGN CALCULATIONS FOR EACH RETAINING WALL PREPARED BY A STATE LICENSED PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. 3. MODULAR CONCRETE BLOCK WALL TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. 4. A SAFETY BARRIER (FENCING) IS REQUIRED ON ALL WALLS WHERE THE WALL HEIGHT EXCEEDS 30\"/>



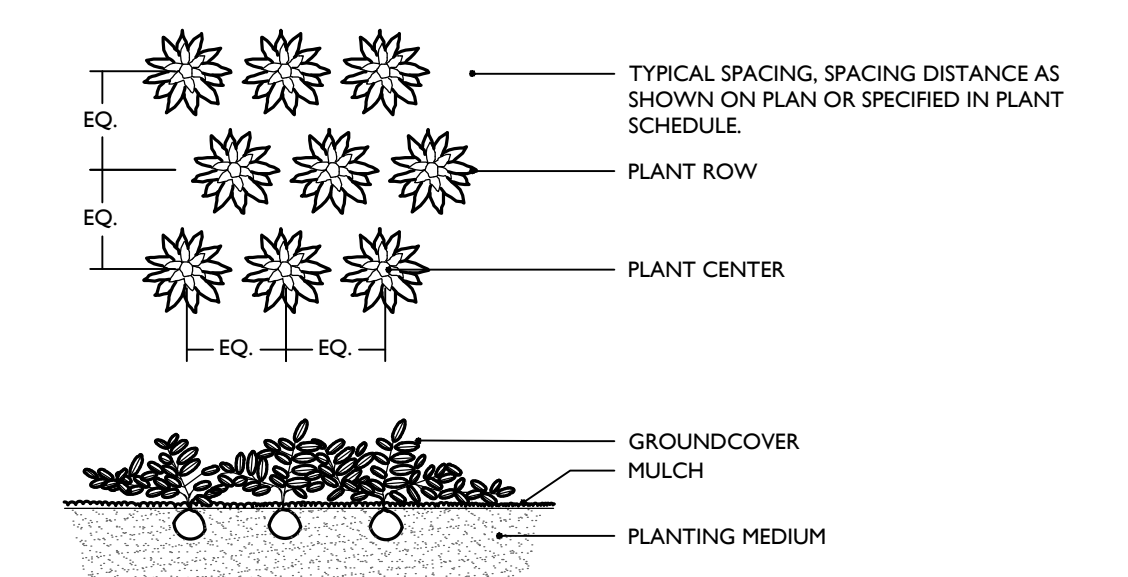
EVERGREEN TREE PLANTING DETAIL

- NOTES: 1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.



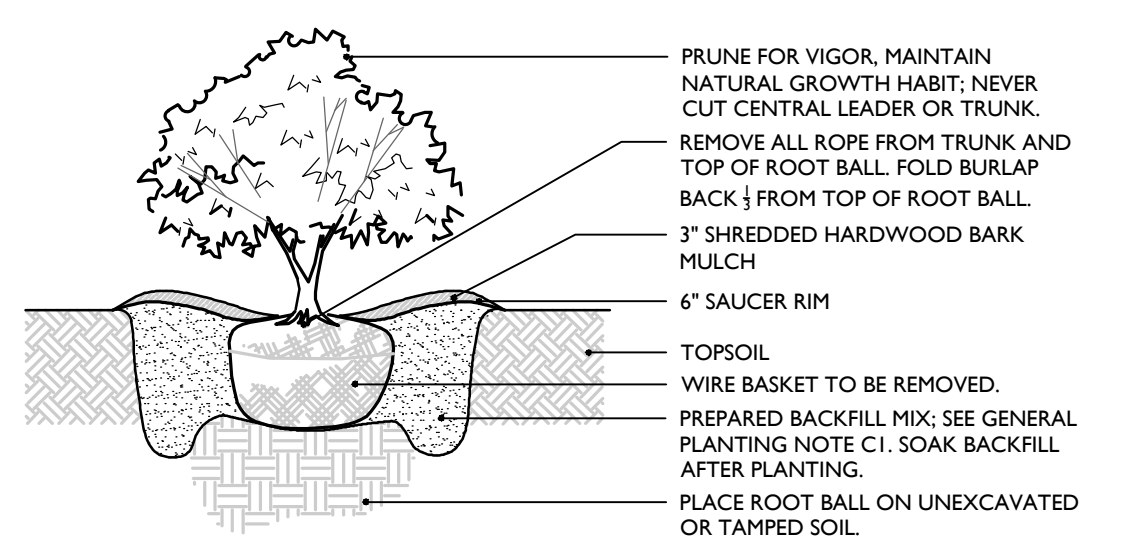
MULTI-STEM TREE PLANTING DETAIL

- NOTES: 1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.



PERENNIAL PLANTING DETAIL

- NOTES: 1. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.



SHRUB PLANTING DETAIL

- NOTES: 1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.

GENERAL PLANTING NOTES

- 1. THIS PLAN SHALL BE USED FOR LANDSCAPE PLANTING PURPOSES ONLY. EXAMINE ALL ENGINEERING DRAWINGS AND FIELD CONDITIONS FOR SPECIFIC LOCATIONS OF UTILITIES AND STRUCTURES AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR LOCATION CONFLICTS PRIOR TO PLANTING INSTALLATION. 2. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND VERIFY LOCATION OF ALL UTILITIES ON SITE PRIOR TO CONSTRUCTION. 3. ALL PLANT MATERIAL SHALL CONFORM TO GUIDELINES AS SET FORTH IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARD FOR NURSERY STOCK OR THE PLANT MATERIAL WILL BE UNACCEPTABLE. ALL PLANT MATERIAL SHALL BE TRUE TO SPECIES, VARIETY, SIZE AND BE CERTIFIED DISEASE AND INSECT FREE. THE OWNER AND/OR THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO APPROVE ALL PLANT MATERIAL ON SITE PRIOR TO INSTALLATION. 4. NO PLANT SUBSTITUTIONS SHALL BE PERMITTED WITH REGARD TO SIZE, SPECIES, OR VARIETY WITHOUT WRITTEN PERMISSION OF THE LANDSCAPE CONSULTANT. WRITTEN PROOF OF PLANT MATERIAL UNAVAILABILITY MUST BE DOCUMENTED. 5. THE LOCATION OF ALL PLANT MATERIAL INDICATED ON THE LANDSCAPE PLANS ARE APPROXIMATE. THE FINAL LOCATION OF ALL PLANT MATERIAL AND PLANTING BED LINES SHALL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT. 6. ALL STREET TREES AND SHADE TREES PLANTED NEAR PEDESTRIAN OR VEHICULAR ACCESS SHOULD NOT BE BRANCHED LOWER THAN 7'0\"/>

GENERAL SEEDING NOTES

- 1. TEMPORARY SEEDING SHALL CONSIST OF PERENNIAL RYEGRASS IN LAWN AREAS AND ANNUAL RYEGRASS IN AREAS TO BE SEED WITH A MEADOW MIX APPLIED AT A RATE OF 1.0 LBS. PER 1000 SF OR SPRING OATS APPLIED AT A RATE OF 2.0 LBS. PER 1000 SF. TEMPORARY SEEDING SHALL BE MULCHED AND MAINTAINED UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH PERMANENT SEEDING. 2. PERMANENT SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE OR APPROVED EQUAL - OPTIMUM SEEDING DATES ARE BETWEEN APRIL 1 AND MAY 31; AND AUGUST 15 AND OCTOBER 15. 1) LAWN AREAS MIXTURE: HARD FESCUE 120 LBS/ACRE, PERENNIAL RYE GRASS 30 LBS/ACRE, KENTUCKY BLUE GRASS (BLENDED) 40 LBS/ACRE. 2) BASIN MIX - (2.3 LBS./1000 SF. MINIMUM): CREEPING RED FESCUE (30%), TALL FESCUE (30%), PERENNIAL RYE GRASS (10%), BIRD'S FOOT TREFOIL (30%). 3. PERMANENT SEEDING TO BE APPLIED BY RAKING OR DRILLING INTO THE SOILS AT A RATE OF 1500 PER ACRE, SLOPED AREA TO BE COVERED WITH MULCH AS INDICATED IN NOTES. 4. FERTILIZER FOR THE ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE IN COMPLIANCE WITH THE LATEST NISDC REGULATIONS. A SOIL TEST PRIOR TO FERTILIZER APPLICATION IS RECOMMENDED. 5. IF SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY OR PERMANENT SEEDING, EXPOSED AREA TO BE STABILIZED WITH MULCH AS INDICATED IN NOTE 4. 6. MULCH TO CONSIST OF SMALL GRAIN STRAW OR SALT HAY ANCHORED WITH A WOOD AND FIBER MESH BRIDGE OR AN APPROVED EQUAL. MULCH WILL BE SPREAD AT RATES OF 90 TO 115 LBS. PER 1000 SF AND ANCHORED WITH A MULCH ANCHORING TOOL OR LIQUID MULCH BINDER, AND SHALL BE PROVIDED ON ALL SEEDINGS. HYDRO-MULCH SHALL ONLY BE USED DURING OPTIMUM GROWING SEASONS. 7. WORK LIME AND FERTILIZER INTO SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILT SOILS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE. 8. REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION, CLODS, LUMPS, OR OTHER UNSUITABLE MATERIAL. 9. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILED AND FIRMED AS ABOVE.

PLANT DETAIL NOTES

- 1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. MULCH SHALL NOT TOUCH THE TREE TRUNK. 2. PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY. 3. WIRE BASKETS AND NON-LUTE BURLAP MUST BE ENTIRELY REMOVED FROM THE ROOT BALL. LUTE BURLAP MUST BE REMOVED FROM THE TOP 1/3 OF THE ROOT BALL. 4. DEPTH OF PLANT PIT SHALL BE INCREASED BY 12\"/>

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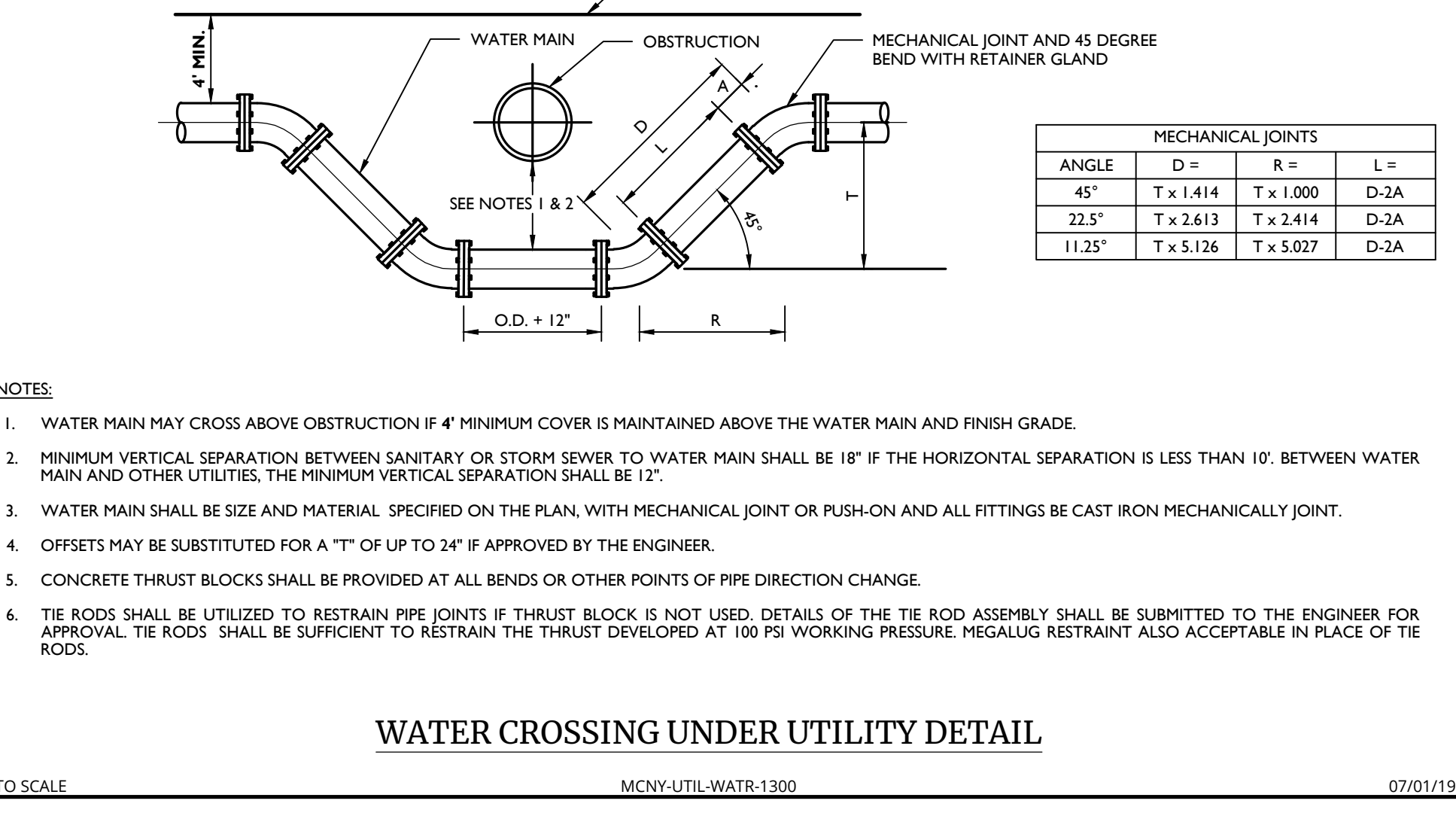
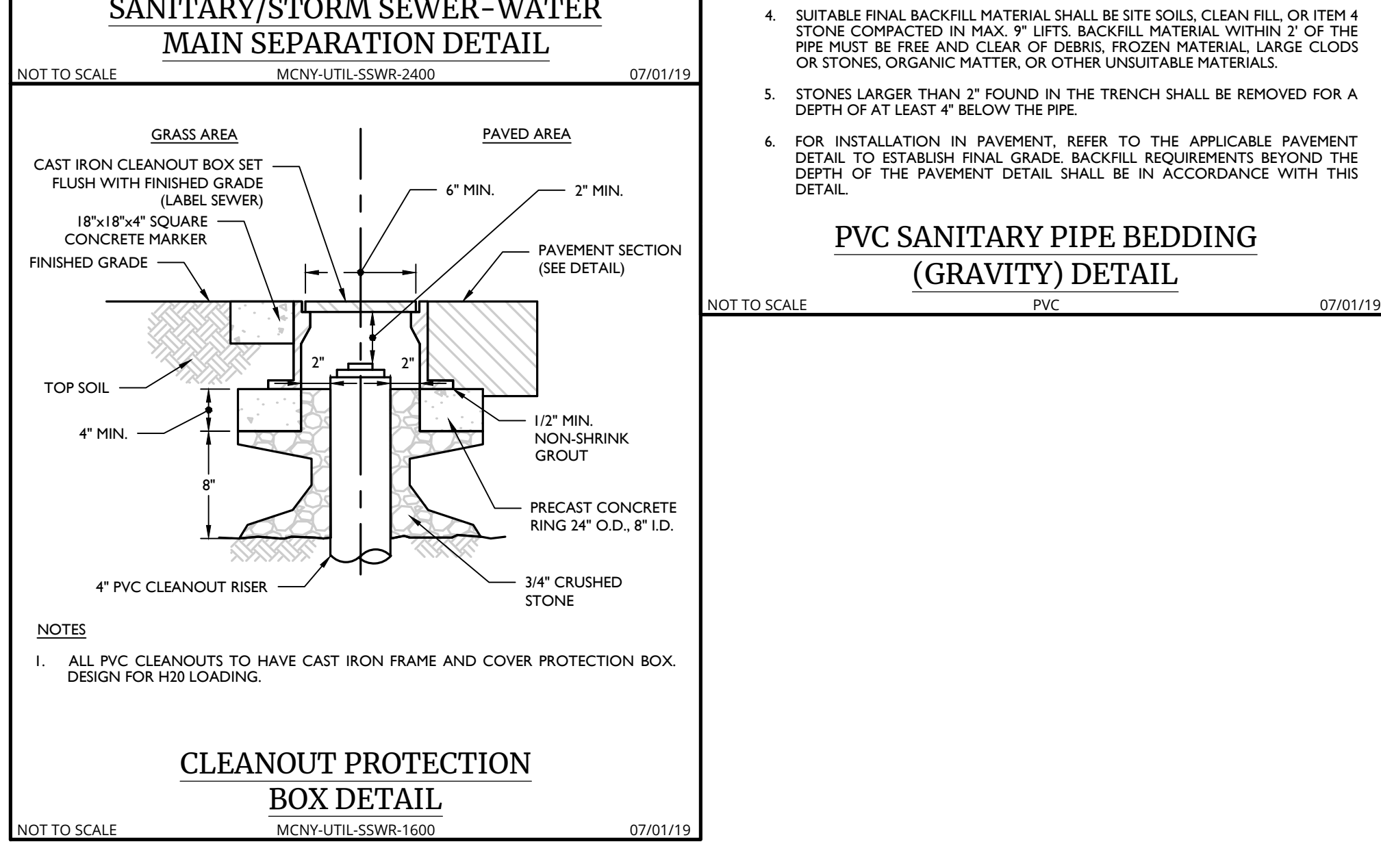
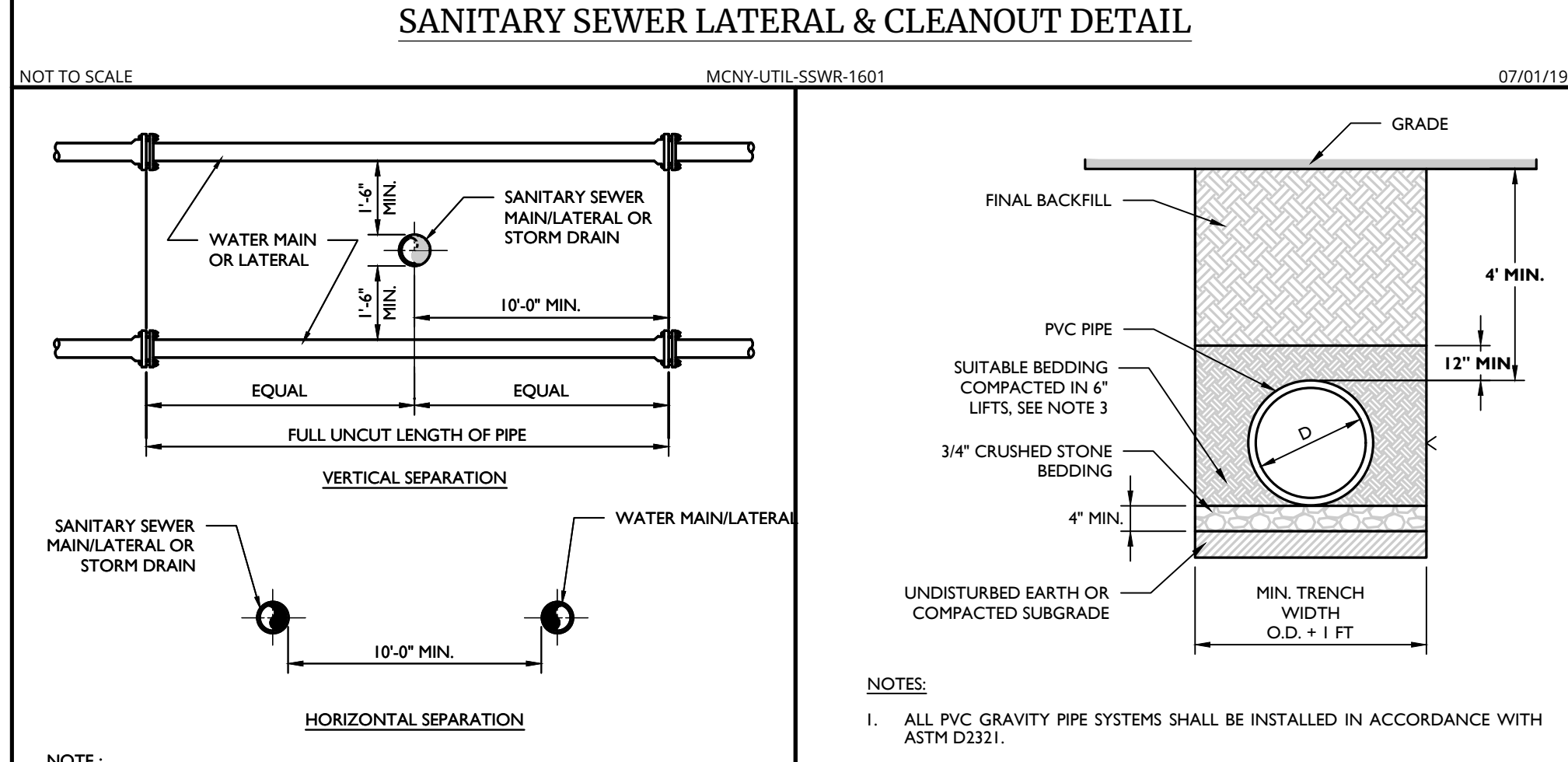
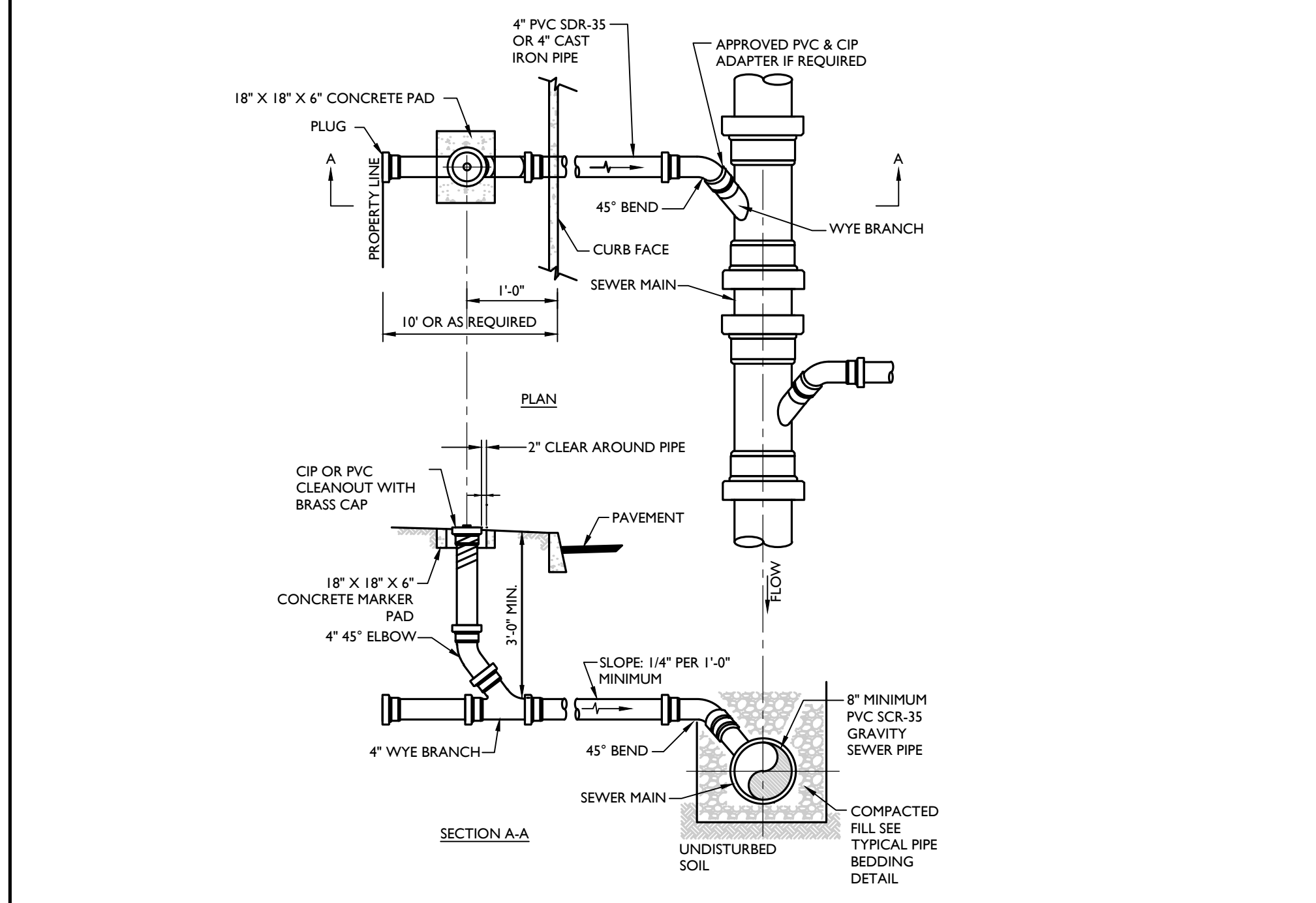
Cory Daniel Robinson, NEW YORK LICENSED PROFESSIONAL ENGINEER, LICENSE NUMBER: 103785, COLLIERS ENGINEERING & DESIGN CT, P.C., N.Y. C.O.A.# 0917059

PRELIMINARY SITE PLAN FOR 622 ROUTE 303 LLC, SBL: 65.14-1-11.2 & 11.3, TOWN OF ORANGETOWN, ROCKLAND COUNTY, NEW YORK STATE

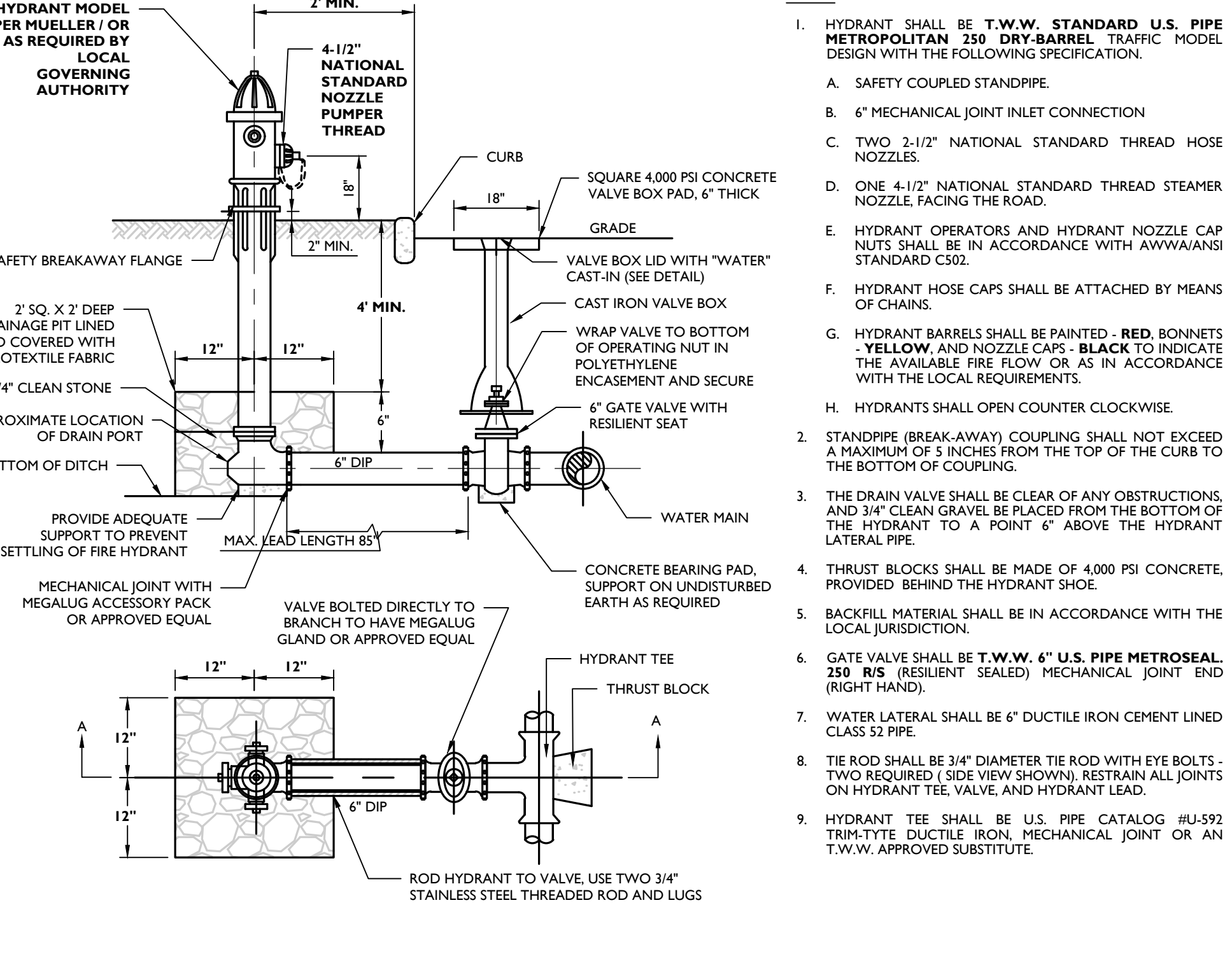
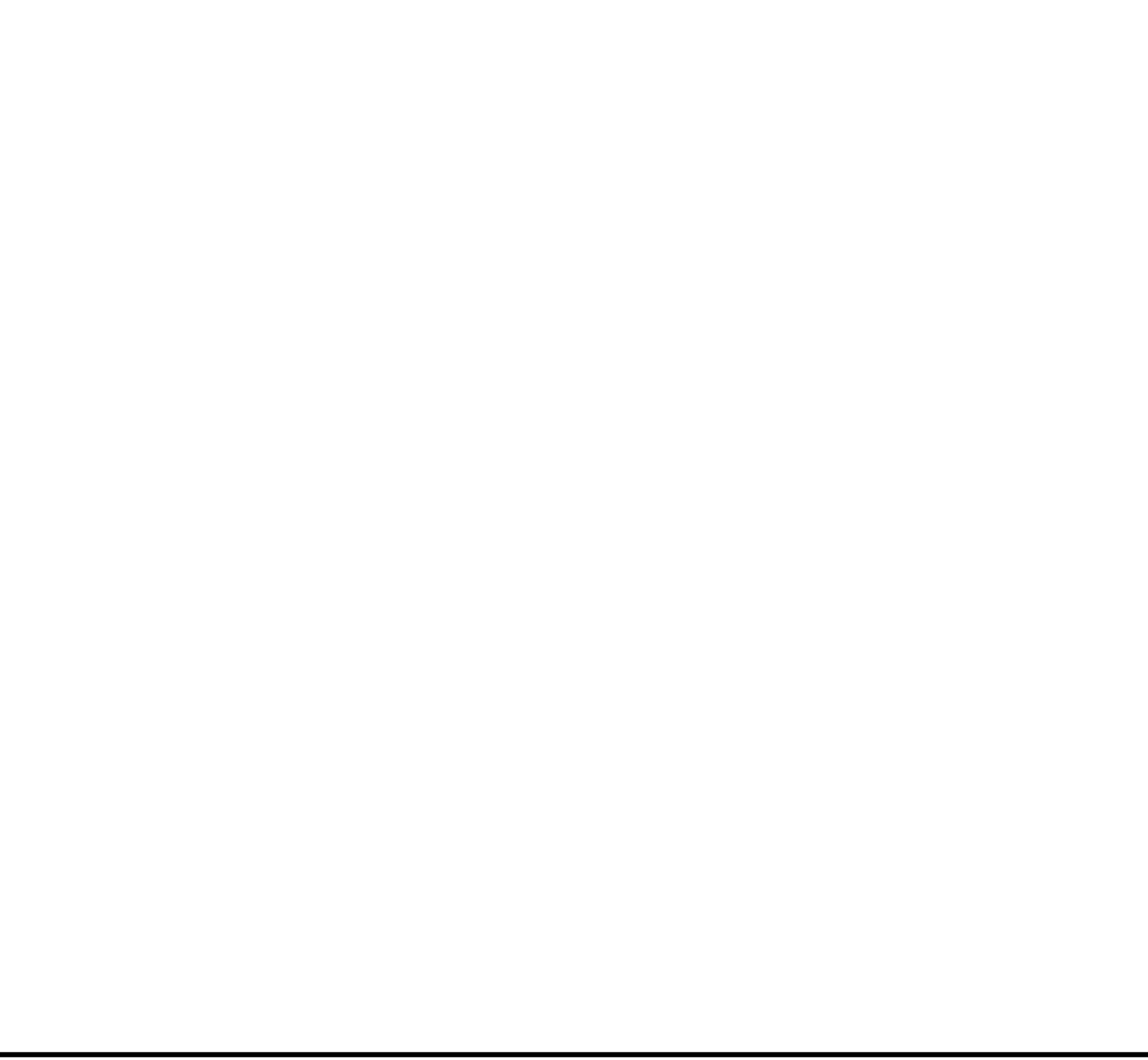
Colliers Engineering & Design, 555 Hudson Valley Avenue, Suite 101, New Windsor, NY 12553, Phone: 845.564.4495

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- WATER NOTES:**
- ALL METHODS, MATERIALS, FITTINGS, DEVICES, DIMENSIONAL REQUIREMENTS AND PROCEDURES NECESSARY TO COMPLETE THE WORK SHOWN HEREON SHALL MEET THE APPROPRIATE CURRENT AWWA SPECIFICATIONS IN EFFECT AS WELL AS ALL REQUIREMENTS DEMAILED APPLICABLE BY THE MUNICIPALITY OR ANY OTHER GOVERNMENTAL BODY HAVING JURISDICTION OVER SAID WORK.
 - ALL WATER MAIN PIPE SHALL BE AWWA C151/A21.51-02 THICKNESS CLASS FIFTY-TWO (52) CEMENT LINED DUCTILE IRON PUSH-ON (RUBBER GASKET) TYPE AND INSTALLED WITH THREE (3) BRONZE WEDGES PER JOINT. JOINT INSTALLATION SHALL BE "TYPE 2" AS DESCRIBED IN THE LATEST REVISION OF AWWA C600. MECHANICAL JOINTS SHALL HAVE RETAINER GLANDS.
 - ALL PIPE FITTINGS SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE AWWA SPECIFICATION C153/A21.53-00.
 - ALL GATE VALVES SHALL BE "MUELLER" OR APPROVED EQUAL, RESILIENT-SEATED GATE VALVES WITH MECHANICAL JOINT CONNECTIONS. OPENING SHALL BE LEFT (CCW) AND OPERATION SHALL BE BY 2" SQUARE WRENCH NUT. MINIMUM WORKING PRESSURE SHALL BE 250 PSI. GATE VALVES ARE TO BE IN ACCORDANCE WITH LATEST REVISION OF AWWA SPECIFICATION C309.
 - ALL VALVE BOXES SHALL BE EXTENSION TYPE BY MUELLER SET ON BRICKS AND POSITIONED PERPENDICULAR TO THE PIPE AND ON COMPACTED BACKFILL.
 - ALL CHANGES IN PIPE LINE DIRECTION, BOTH HORIZONTAL AND VERTICAL SHALL BE TIE-RODDED AND MECHANICALLY RESTRAINED AS DIRECTED BY THE ENGINEER.
 - FLUSH OUT ALL WATER MAINS AND APPURTENANCES AS DIRECTED BY THE MUNICIPALITY UNTIL THE WATER RUNS CLEAN AND FREE OF RUST AND DIRT. PRESSURIZE ALL LINES AND APPURTENANCES FOR FORTY-EIGHT (48) HOURS, OR AS DIRECTED BY THE MUNICIPALITY, TO REVEAL ANY LEAKS OR BROKEN PIPE. THIS SHALL ALL BE DONE EITHER AS A TOTAL PROJECT OR BETWEEN VALVE SECTIONS AS DIRECTED BY THE TOWN. IF PRESSURE TESTING REVEALS ANY LEAKS OR DIFFICULTIES THE CONTRACTOR SHALL PROMPTLY UNCOVER THE LEAK OR BROKEN PIPE AND IMMEDIATELY REPAIR AND RETEST SAME. THIS SHALL BE REPEATED AS MANY TIMES AS MAY BE REQUIRED TO DEMONSTRATE A TIGHT LEAK TO THE SATISFACTION OF THE TOWN & PROJECT ENGINEER. THE NEW WATER MAIN AND APPURTENANCES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH THE LATEST REVISION OF AWWA C600. RESULTS OF TESTS ARE TO BE SUBMITTED AND ACCEPTED BY THE MUNICIPALITY & PROJECT ENGINEER.
 - THE MUNICIPAL ENGINEER MUST BE NOTIFIED FORTY-EIGHT (48) HOURS PRIOR TO PRESSURE TESTING.
 - ALL WATER LINES AND APPURTENANCES SHALL BE DISINFECTED TO THE SATISFACTION OF THE MUNICIPALITY, PROJECT ENGINEER, AND IN ACCORDANCE WITH THE STANDARDS OF THE DEPT. OF HEALTH. THIS SHALL ALSO BE DONE IN ACCORDANCE WITH THE LATEST REVISION OF AWWA C651. A MINIMUM OF TWO (2) BACTERIAL TESTS TAKEN TWENTY FOUR (24) HOURS APART ARE REQUIRED. RESULTS OF TESTS ARE TO BE SUBMITTED AND ACCEPTED BY THE MUNICIPALITY & PROJECT ENGINEER. DISINFECTION PROCEDURE, FEED LOCATIONS, AND SAMPLE LOCATIONS MUST BE REVIEWED AND APPROVED BY THE MUNICIPALITY & PROJECT ENGINEER PRIOR TO TESTING. AS PER AWWA C651, LATEST REVISION, WATER MAIN DISINFECTION PROCEDURE SHALL GENERALLY BE AS FOLLOWS:
 - INSPECTING MATERIALS TO BE USED TO INSURE THEIR INTEGRITY.
 - PREVENTING CONTAMINATING MATERIALS FROM ENTERING THE WATER MAIN DURING STORAGE, CONSTRUCTION, OR REPAIR AND NOTING POTENTIAL CONTAMINATION AT THE CONSTRUCTION SITE.
 - REMOVING, BY FLUSHING OR OTHER MEANS, THOSE MATERIALS THAT MAY HAVE ENTERED THE WATER MAIN.
 - CHLORINATING ANY RESIDUAL CONTAMINATION THAT MAY REMAIN, AND FLUSHING THE CHLORINATED WATER FROM THE MAIN.
 - PROTECTING THE EXISTING DISTRIBUTION SYSTEM FROM BACKFLOW CAUSED BY HYDROSTATIC PRESSURE TEST AND DISINFECTION PROCEDURES.
 - DOCUMENTING THAT AN ADEQUATE LEVEL OF CHLORINE CONTACTED EACH PIPE TO PROVIDE DISINFECTION.
 - DETERMINING THE BACTERIOLOGICAL QUALITY BY LABORATORY TEST AFTER DISINFECTION.
 - FINAL CONNECTION OF THE APPROVED NEW WATER SERVICE TO THE ACTIVE DISTRIBUTION SYSTEM.
 - THE CONTINUOUS-FEED METHOD SHALL BE IMPLEMENTED FOR CHLORINATION, AS DESCRIBED IN AWWA C651, LATEST REVISION. AFTER CHLORINATION, THE CONTRACTOR SHALL FLUSH THE MAINS AS PER FINAL FLUSHING REQUIREMENTS OF AWWA C651, LATEST REVISION. WHEN CUTTING INTO OR REPAIRING AN EXISTING MAIN, DISINFECTION PROCEDURES SHALL BE OBSERVED AS DETAILED IN DISINFECTION PROCEDURES WHEN CUTTING INTO OR REPAIRING EXISTING MAINS OF AWWA C651, LATEST REVISION. THE TABLET METHOD FOR INTRODUCING CHLORINE TO THE SYSTEM SHALL NOT BE PERMITTED. VERIFICATION SHALL BE ACCOMPLISHED VIA BACTERIOLOGICAL TESTS. AFTER FINAL FLUSHING AND BEFORE THE NEW WATER MAIN IS CONNECTED TO THE DISTRIBUTION SYSTEM, TWO CONSECUTIVE SETS OF ACCEPTABLE SAMPLES, TAKEN AT LEAST 24 HR APART, SHALL BE COLLECTED FROM THE NEW MAIN. AT LEAST ONE SET OF SAMPLES SHALL BE COLLECTED FROM EVERY 1,200 FT OF THE NEW WATER MAIN, PLUS ONE SET FROM THE END OF THE LINE AND AT LEAST ONE SET FROM EACH BRANCH. SAMPLES SHALL BE TESTED FOR BACTERIOLOGICAL (CFU) AND PHYSICAL QUALITY IN ACCORDANCE WITH STANDARD METHODS FOR THE DETERMINATION OF WATER AND WASTEWATER AND SHALL SHOW THE ABSENCE OF COLIFORM ORGANISMS AND THE PRESENCE OF A CHLORINE RESIDUAL. SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED IN STERILE BOTTLES TREATED WITH SODIUM THIOSULFATE AS REQUIRED BY STANDARD METHODS FOR THE DETERMINATION OF WATER AND WASTEWATER. NO HOSE OR PRE-HYDRANT SHALL BE USED IN THE COLLECTION OF SAMPLES. THERE SHOULD BE NO WATER IN THE TRENCH UP TO THE CONNECTION FOR SAMPLING. THE SAMPLING PIPE MUST BE DEDICATED AND CLEAN AND DISINFECTED AND FLUSHED PRIOR TO SAMPLING. A CORPORATION COCK MAY BE INSTALLED IN THE MAIN WITH A COPPER TUBE GOOSENECK ASSEMBLY. AFTER SAMPLES HAVE BEEN COLLECTED, THE GOOSENECK ASSEMBLY MAY BE REMOVED AND RETAINED FOR FUTURE USE. IF SAMPLES FROM THE LAB INDICATE A MEASURED HPC GREATER THAN 500 COLONY-FORMING UNITS (CFU) PER ML, FLUSHING SHOULD BE RESUMED AND ANOTHER COLIFORM AND HPC SET OF SAMPLES SHOULD BE TAKEN UNTIL NO COLIFORMS ARE PRESENT AND THE HPC IS LESS THAN 500 CFU/ML. THE RECORD OF COMPLIANCE SHALL BE THE BACTERIOLOGICAL TEST RESULTS CERTIFYING THAT THE WATER SAMPLED FROM THE NEW WATER MAIN IS FREE OF COLIFORM BACTERIA CONTAMINATION AND IS EQUAL TO OR BETTER THAN THE BACTERIOLOGICAL WATER QUALITY IN THE DISTRIBUTION SYSTEM.
 - ALL OTHER REQUIREMENTS OF AWWA C651, LATEST REVISION, SHALL BE OBSERVED.
 - WATER SERVICE CROSSING SEWER OR STORM SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18" BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER OR STORM. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. AT CROSSING, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER OR STORM AS POSSIBLE. SPECIAL STRUCTURAL SUPPORT FOR THE WATER AND SEWER MAY BE REQUIRED.
 - WATER SERVICE SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER MAIN OR SERVICE.
 - WATER TIGHT PLUGS ARE TO BE INSTALLED IN THE ENDS OF PIPES WHEN WORK IS NOT IN PROGRESS.
 - LEAKAGE AND HYDROSTATIC PRESSURE TESTING SHALL BE PERFORMED AT 1.5 TIMES THE WORKING PRESSURE OR 150 PSI, WHICHEVER IS GREATER.
 - THE MAXIMUM DEFLECTION ALLOWED AT PIPE JOINTS SHALL BE LIMITED TO 80% OF THAT ALLOWED BY AWWA OR IN ACCORDANCE WITH THE MUNICIPALITY. FOR AWWA ALLOWABLE JOINT DEFLECTIONS SEE LATEST REVISION OF AWWA SPECIFICATION C600.
 - CONSTRUCTION MUST CONFORM TO ALL ORDINANCES.
 - CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING WATER AND OTHER UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - CONTRACTOR TO CALL UNDERGROUND MARK-OUT PRIOR TO COMMENCEMENT OF CONSTRUCTION AT 1-800-962-7962 FOR COMPLETE UTILITIES MARK-OUT.
 - CONTRACTOR TO CONTACT WATER DEPARTMENT AT LEAST 2 DAYS PRIOR TO CONSTRUCTION.
 - ALL IMPROVEMENTS SHALL BE INSPECTED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK AND CERTIFICATION SHALL BE PROVIDED TO THE MUNICIPALITY THAT THE SUBJECT IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS.
 - A CERTIFIED AS BUILT MAP OF THE WATER SYSTEM IMPROVEMENTS SHALL BE PROVIDED TO THE MUNICIPALITY'S WATER DEPARTMENT BY A LICENSED DESIGN PROFESSIONAL.

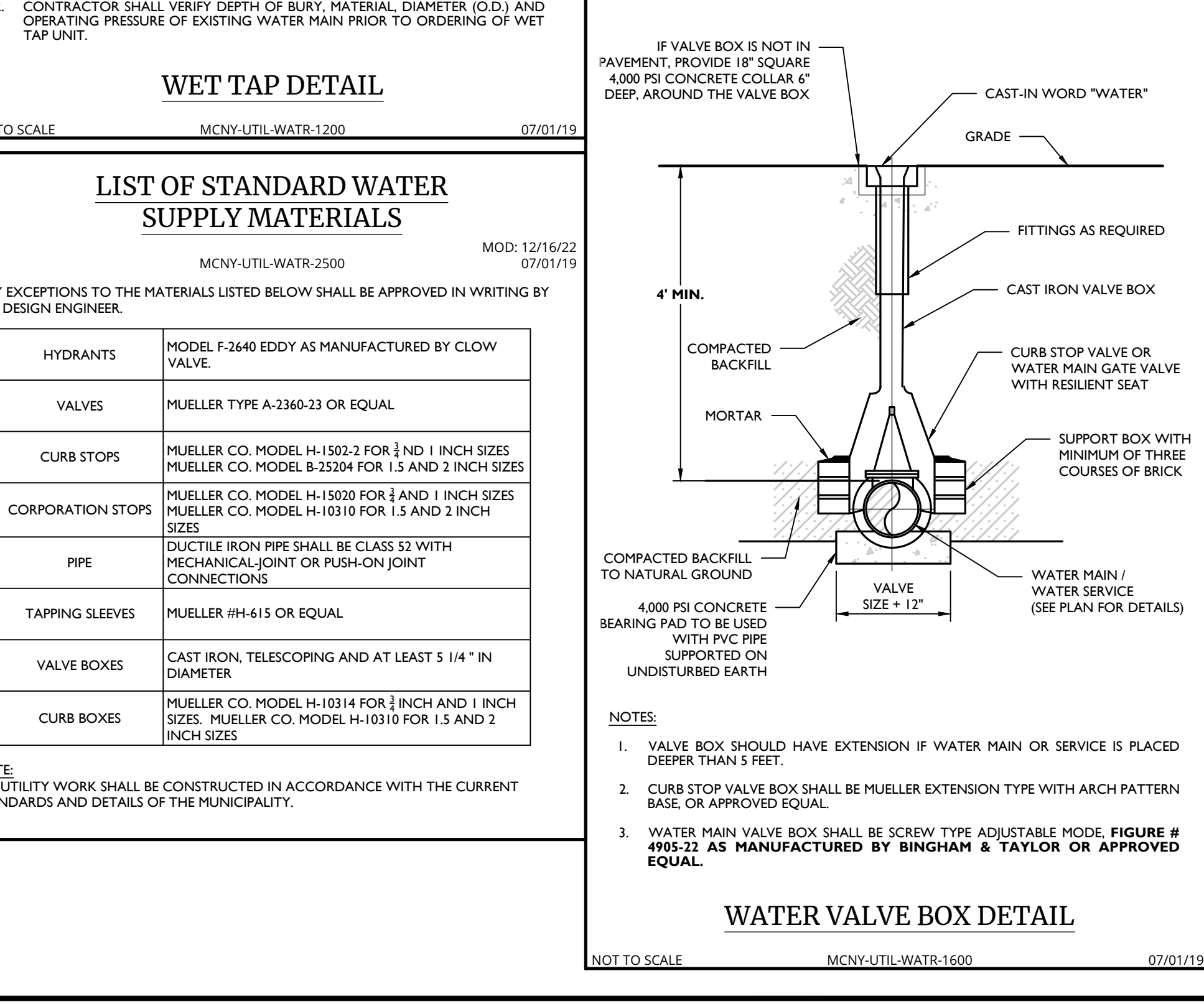
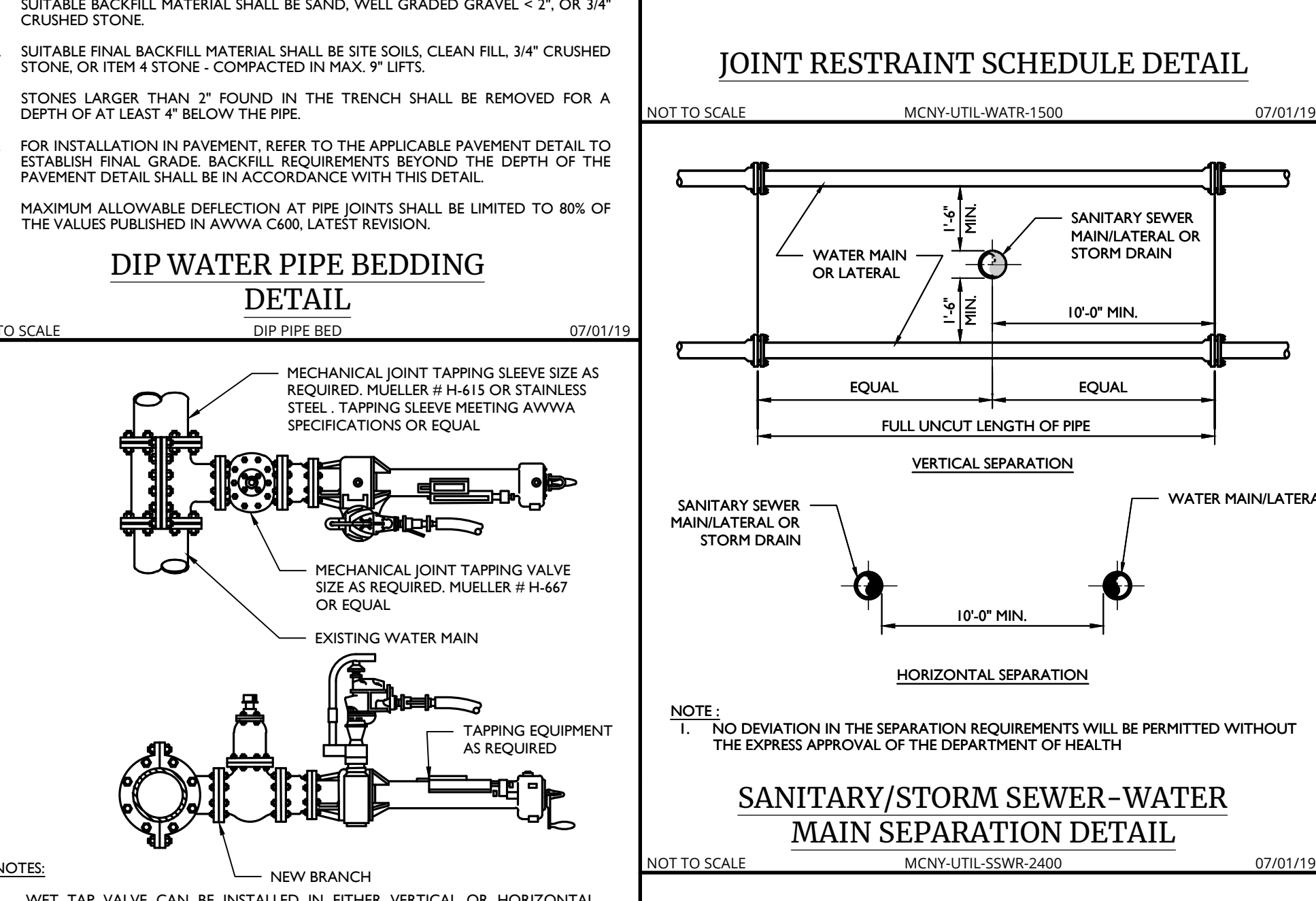


JOINT RESTRAINT SCHEDULE DETAIL
MCNY-UTIL-WATR-1300 07/01/19

NOT TO SCALE

PIPE SIZE IN INCHES	NUMBER AND SIZE OF RODS REQUIRED AND PIPE LENGTH IN FEET TO BE RESTRAINED				
	90° TEE OR DEAD END PLUG		45° BEND		
	No.	SIZE	No.	SIZE	
2	2	3/8"	10'	2	3/8"
4	2	3/8"	10'	2	3/8"
6	2	3/8"	40'	2	3/8"
8	4	3/8"	50'	2	3/8"
10	4	3/8"	60'	2	3/8"
12	4	3/8"	70'	2	3/8"
14	4	1"	80'	2	3/8"
16	4	1"	80'	2	3/8"

L² = LENGTH OF PIPE TO BE RESTRAINED IS FOR EACH SIDE OF BEND



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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	06/20/23	REVISED FOR REMOVAL OF SUBSTANTIAL INFLUENCING CHANGES	PS	

Cory Daniel Robinson
NEW YORK LICENSED PROFESSIONAL ENGINEER
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COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.E.A.#: 0017069

PRELIMINARY SITE PLAN
FOR
622 ROUTE 303 LLC

SBL: 65.14-1-11.2 & 11.3

**TOWN OF ORANGETOWN
ROCKLAND COUNTY
NEW YORK STATE**

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COLLIERS ENGINEERING & DESIGN CT, P.C.
ENGINEERS & LAND SURVEYORS

SCALE	DATE	DESIGNED BY	CHECKED BY
AS SHOWN	01/03/2023	MAS	CDR

DRAWING NAME: WATER & SEWER DETAILS
PROJECT NUMBER: 22002634A
SHEET TITLE: WATER & SEWER DETAILS
SHEET NUMBER: 21 of 21

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.