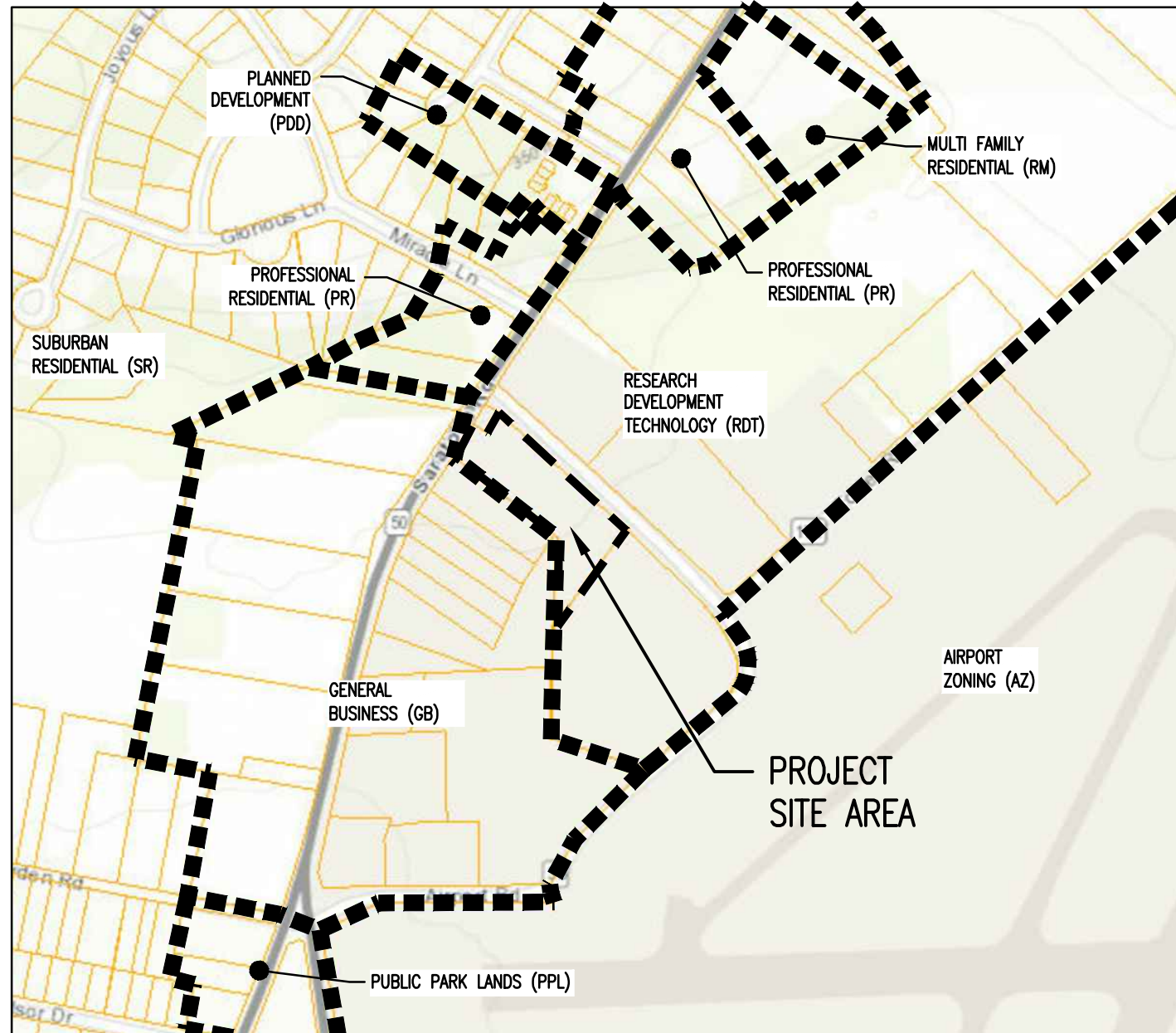


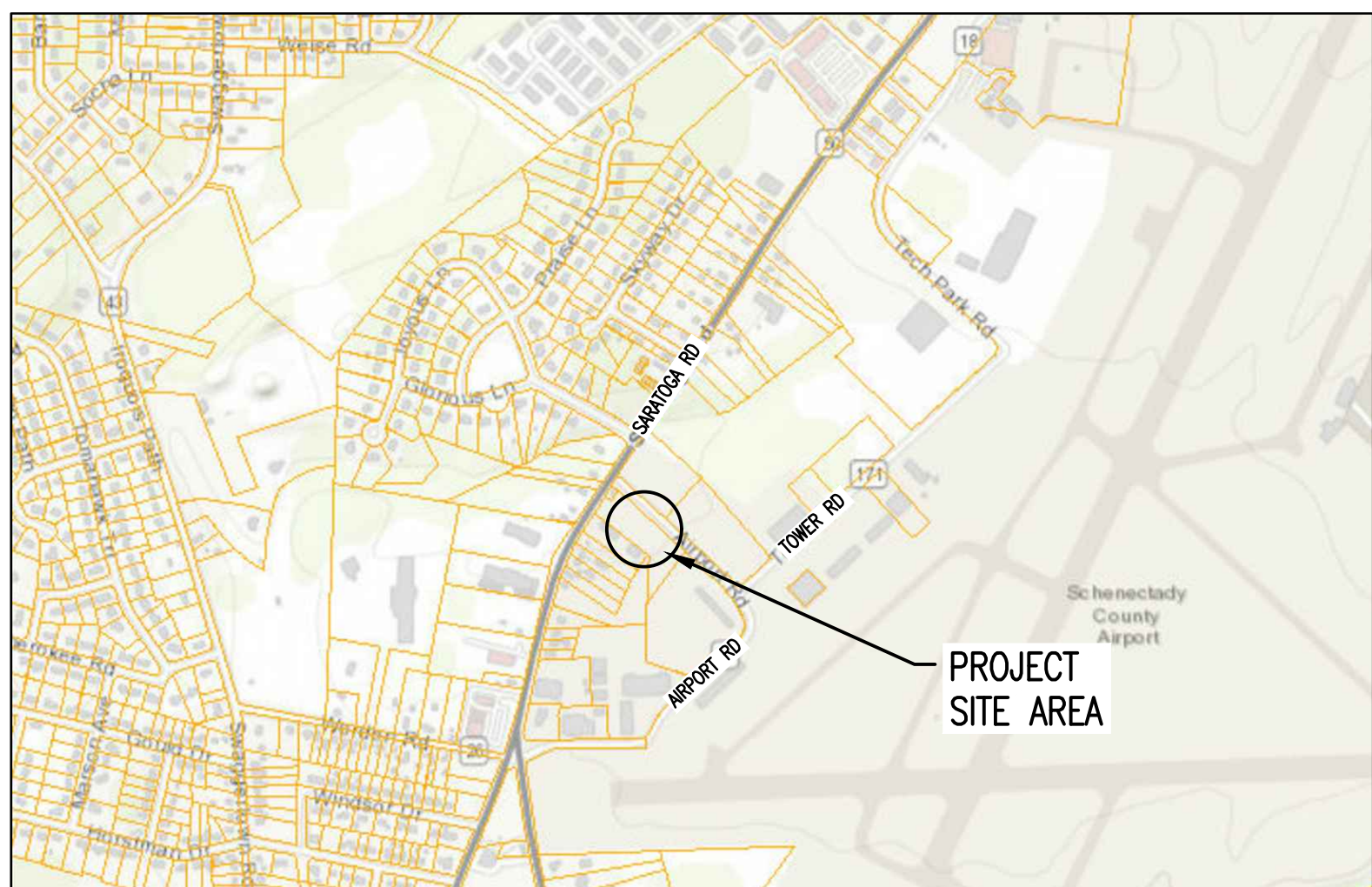
TAX MAP

SCALE: 1" = 250'



SURROUNDING ZONING DISTRICT MAP

SCALE: 1" = 500'



VICINITY MAP

SCALE: 1" = 1,000'

SUBJECT PROPERTY:

TAX MAP PARCEL 30.-1-44
TOWN OF GLENVILLE, SCHENECTADY COUNTY, NEW YORK

APPLICANT/OWNER:

MID-STATE INDUSTRIES, LLC
1105 CATALYN STREET
SCHENECTADY, NY 12303

CONSULTANT/DESIGNER

ENGINEERING VENTURES, PC
414 UNION STREET
SCHENECTADY, NY 12303
(518) 205-9141
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EV PROJECT NO. 23533

GENERAL NOTES

1. EXISTING OBJECT LOCATIONS MAY DIFFER FROM THAT AS SHOWN, AND ADDITIONAL SUB-SURFACE AND SURFACE UTILITIES AND STRUCTURES MAY EXIST. THE CONTRACTOR IS TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK.
2. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES. ALL DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. SITE CONTRACTOR SHALL CALL UTILITY LOCATOR SERVICE AND UTILITY OWNERS 72 HOURS, EXCLUSIVE OF WEEKENDS AND HOLIDAYS, PRIOR TO ANY DIGGING, DRILLING, OR BLASTING:
 - A. DIG SAFE (TEL: #811)
 - B. NON DIG SAFE MEMBER FACILITY OPERATORS IF KNOWN. (A LIST OF DIG SAFE MEMBERS BY STATE CAN BE FOUND ON THE DIG SAFE WEB SITE WWW.DIGSAFE.COM)
 - C. TOWN OF GLENVILLE DEPARTMENT OF PUBLIC WORKS (518-688-1200 EXT. 402)
3. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL FROM THE ENGINEER.
4. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
5. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO EXISTING CONDITIONS OR BETTER AS DETERMINED BY THE ENGINEER. ANY DAMAGED TREES, SHRUBS AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
7. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL BUILDING PERMITS. THE CONTRACTORS SHALL BE RESPONSIBLE FOR ALL WORK PERMITS, INSPECTIONS, AND CERTIFICATES.
8. THE CONTRACTOR WILL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS, AND COORDINATE WORK WITH ALL CONTRACTS FOR THE SITE.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT EXPLORATORY TEST PITS AS MAY BE REQUIRED TO DETERMINE UNDERGROUND CONDITIONS.
11. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS FOR CONSTRUCTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK. DEWATERING METHOD MUST BE APPROVED BY THE OWNER AND COORDINATED WITH TOWN OF GLENVILLE.
13. MAINTAIN FLOW FOR ALL EXISTING UTILITIES, UNLESS NOTED OTHERWISE.
14. CONTRACTOR TO GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND IMPERVIOUS SURFACES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND HIS REPRESENTATIVES BEFORE UTILITIES WILL BE ACCEPTED.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION, MONITORING, MAINTENANCE AND REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURES AND TAKING PRECAUTIONARY STEPS TO AVOID ANY SEDIMENT TRANSFER TO NEIGHBORING SITES OR WATERS OF THE STATE.
17. ALL IMPORTED SITE FILL SHALL MEET REQUIREMENTS OF THE EARTHWORK SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

SHEET INDEX

<u>SHEET SHEET TITLE</u>	
C001	SITE LEGEND AND NOTES
C101	EXISTING CONDITIONS AND DEMOLITION PLAN
C102	SITE PLAN
C103	UTILITY PLAN
C104	EROSION AND SEDIMENT CONTROL PLAN (PRE MAJOR EARTH MOVING)
C105	EROSION AND SEDIMENT CONTROL PLAN (POST MAJOR EARTH MOVING)
C301	UTILITY PROFILES
C501	SITE DETAILS (1 OF 2)
C502	SITE DETAILS (2 OF 2)
C503	EROSION AND SEDIMENT CONTROL DETAILS (1 OF 2)
C504	EROSION AND SEDIMENT CONTROL DETAILS (2 OF 2)
C505	STORMWATER DETAILS
C506	SANITARY SEWER AND WATER DETAILS

SURVEY NOTES

1. EXISTING PHYSICAL FEATURES, BOUNDARIES, AND TOPOGRAPHY SHOWN HEREIN ARE BASED ON PLANS ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY FOR A 2 LOT SUBDIVISION", PREPARED BY MJ ENGINEERING AND LAND SURVEYING, PC, AND DATED APRIL 9, 2019.
2. ENGINEERING VENTURES HAS NOT PERFORMED ANY BOUNDARY OR TOPOGRAPHIC SURVEYS. THE PROPERTY LINES, EASEMENTS, AND OTHER REAL PROPERTY DESCRIPTIONS PROVIDED ON THESE PLANS DO NOT DEFINE LEGAL RIGHTS OR MEET LEGAL REQUIREMENTS FOR A LAND SURVEY AS DESCRIBED IN NY STATUTES, AND SHALL NOT BE USED AS THE BASIS OF ANY LAND TRANSFER OR ESTABLISHMENT OF ANY PROPERTY RIGHT.
3. CONTOUR INTERVAL DEPICTED HEREIN IS ONE (1) FOOT.
4. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITIES SHOWN ON THE PLANS WERE TAKEN FROM FIELD OBSERVATIONS OF VISIBLE UTILITIES AND PREVIOUS MAPS AND RECORD UTILITY DRAWINGS AND NOT GUARANTEED TO BE ACCURATE OR COMPLETE.

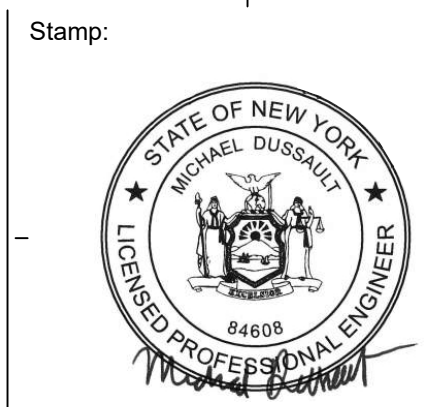


SYMBOL LEGEND

PROPOSED FEATURES	EXISTING FEATURES
 BOUND	 BOUND
 BENCHMARK	 BENCHMARK
 DRILL HOLE	 DRILL HOLE
 SURVEY POINT	 SURVEY POINT
 IRON PIN	 IRON PIN
 TP1	 TP1
 B1	 B1
 BORING	 BORING
 PERC TEST	 PERC TEST
 CATCH BASIN (SQUARE)	 CATCH BASIN (SQUARE)
 CATCH BASIN (ROUND)	 CATCH BASIN (ROUND)
 HEADWALL	 HEADWALL
 FLARED END SECTION	 FLARED END SECTION
 STONE APRON	 STONE APRON
 DRAIN MANHOLE (DMH)	 DRAIN MANHOLE (DMH)
 DRAINAGE CLEAN OUT	 DRAINAGE CLEAN OUT
 SANITARY SEWER MANHOLE (SMH)	 SANITARY SEWER MANHOLE (SMH)
 SANITARY CLEAN OUT	 SANITARY CLEAN OUT
 HYDRANT	 HYDRANT
 WATER SHUTOFF	 WATER SHUTOFF
 TAPPING SLEEVE & VALVE	 TAPPING SLEEVE & VALVE
 GATE VALVE	 GATE VALVE
 WELL	 WELL
 UTILITY POLE	 UTILITY POLE
 GUY POLE	 GUY POLE
 ELECTRICAL MANHOLE	 ELECTRICAL MANHOLE
 FLOOD LIGHT	 FLOOD LIGHT
 LIGHT POST	 LIGHT POST
 TELEPHONE MANHOLE	 TELEPHONE MANHOLE
 NATURAL GAS MANHOLE	 NATURAL GAS MANHOLE
 COMMUNICATION MANHOLE	 COMMUNICATION MANHOLE
 BOLLARD	 BOLLARD
 SINGLE POLE SIGN	 SINGLE POLE SIGN
 DOUBLE POLE SIGN	 DOUBLE POLE SIGN
 SPOT ELEVATION	 SPOT ELEVATION
 ACCESSIBLE PARKING STALL	 ACCESSIBLE PARKING STALL
ELECTRIC VEHICLE PARKING STALL	ELECTRIC VEHICLE PARKING STALL
DRAINAGE FLOW	DRAINAGE FLOW
DECIDUOUS TREE	DECIDUOUS TREE
CONIFEROUS TREE	

LINETYPE LEGEND

PROPOSED FEATURES		EXISTING FEATURES
100 MAJOR CONTOUR		100 MAJOR CONTOUR
98 MINOR CONTOUR		98 MINOR CONTOUR
PROPERTY LINE		PROPERTY LINE
SETBACK		SETBACK
EASEMENT		EASEMENT
CENTERLINE		CENTERLINE
EDGE OF PAVEMENT		EDGE OF PAVEMENT
EDGE OF GRAVEL		EDGE OF GRAVEL
EDGE OF CONCRETE		EDGE OF CONCRETE
CURB		CURB
X X FENCE (BARBED WIRE)		X X FENCE (BARBED WIRE)
O O FENCE (CHAIN LINK)		O O FENCE (CHAIN LINK)
□ □ FENCE (WOODEN)		□ □ FENCE (WOODEN)
○ ○ ○ ○ GUARD RAIL		○ ○ ○ ○ GUARD RAIL
~ ~ ~ ~ TREE LINE		~ ~ ~ ~ TREE LINE
○○○○○○○○ STONE WALL		○○○○○○○○ STONE WALL
S SANITARY SEWER		S SANITARY SEWER
(S) SANITARY SEWER APPROX.		(S) SANITARY SEWER APPROX.
FM SEWER FORCEMAIN		FM SEWER FORCEMAIN
SD STORM LINE		SD STORM LINE
(SD) STORM LINE APPROX.		(SD) STORM LINE APPROX.
UD UNDER DRAIN		UD UNDER DRAIN
FD FOUNDATION DRAIN		FD FOUNDATION DRAIN
RD ROOF DRAIN		RD ROOF DRAIN
- - - - DITCH/SWALE		- - - - DITCH/SWALE
UGT UNDERGROUND TELECOMM		UGT UNDERGROUND TELECOMM
OHT OVERHEAD TELECOMM		OHT OVERHEAD TELECOMM
UGE UNDERGROUND ELECTRIC		UGE UNDERGROUND ELECTRIC
OHE OVERHEAD ELECTRIC		OHE OVERHEAD ELECTRIC
6" W 6" WATER LINE		W WATER LINE
8" W 8" WATER LINE		(V) WATER APPROX.
		-- -- NRCS SOIL BOUNDARY



Project:
NEW CONSTRUCTION
FOR:
MID-STATE INDUSTRIES
OFFICE & WAREHOUSE
Airport Road Town of Glenville, N

No.	REVISION #	DATE:

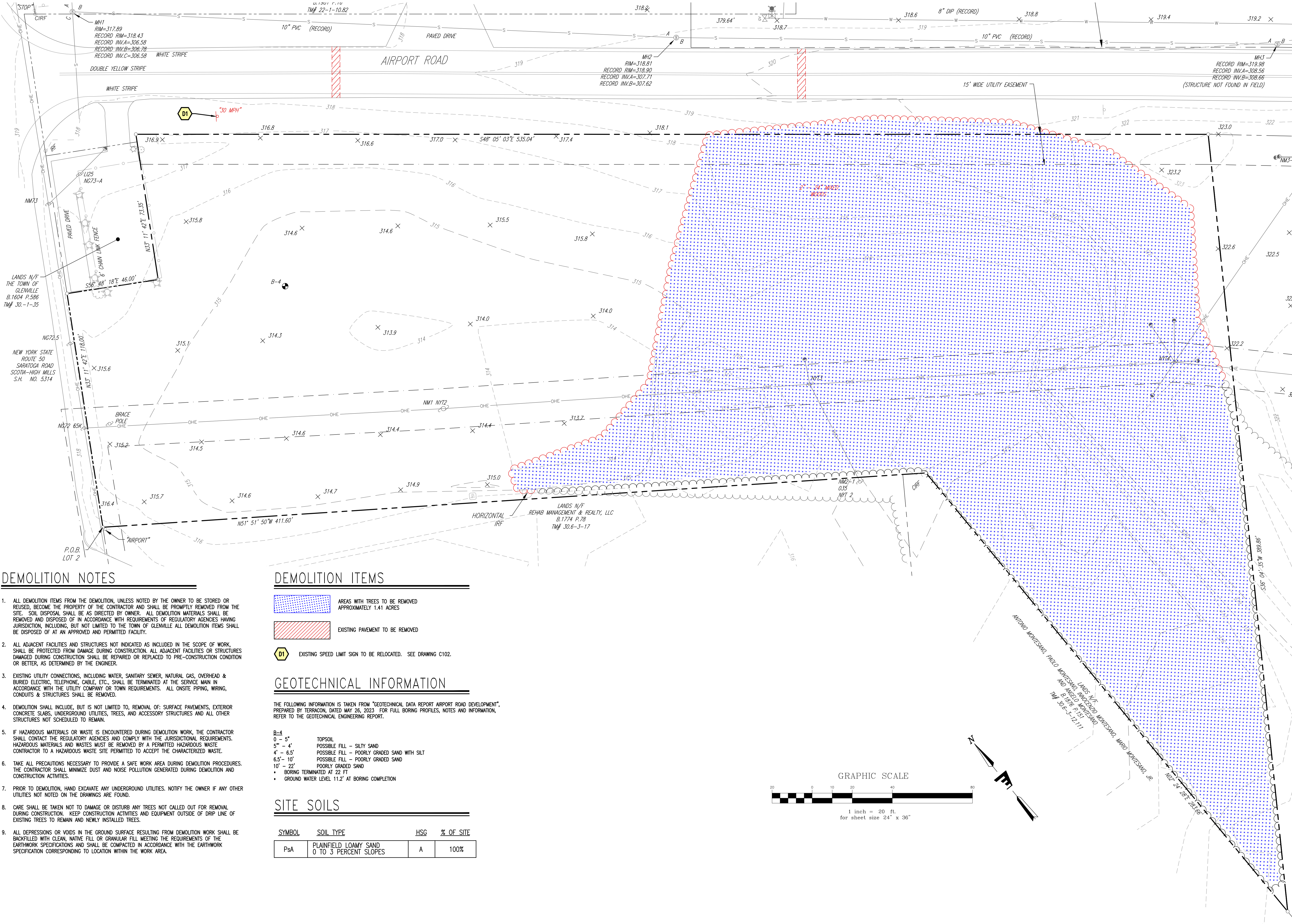
Drawn By:	Engineering Ventures
Scale:	As Noted
Date:	2/12/2024
Job No:	EV #23533

SITE LEGEND AND NOTES

Sheet Number

COO 1

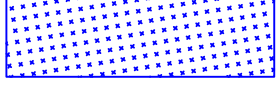
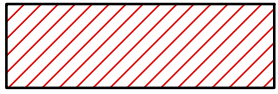

PLOT DATE: 2/9/2024 11:36:04 AM



DEMOLITION NOTES

- ALL DEMOLITION ITEMS FROM THE DEMOLITION, UNLESS NOTED BY THE OWNER TO BE STORED OR REUSED, BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE. SOIL DISPOSAL SHALL BE AS DIRECTED BY OWNER. ALL DEMOLITION MATERIALS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH REQUIREMENTS OF REGULATORY AGENCIES HAVING JURISDICTION, INCLUDING, BUT NOT LIMITED TO THE TOWN OF GLENVILLE ALL DEMOLITION ITEMS SHALL BE DISPOSED OF AT AN APPROVED AND PERMITTED FACILITY.
- ALL ADJACENT FACILITIES AND STRUCTURES NOT INDICATED AS INCLUDED IN THE SCOPE OF WORK SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ALL ADJACENT FACILITIES OR STRUCTURES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO PRE-CONSTRUCTION CONDITION OR BETTER, AS DETERMINED BY THE ENGINEER.
- EXISTING UTILITY CONNECTIONS, INCLUDING WATER, SANITARY SEWER, NATURAL GAS, OVERHEAD & BURIED ELECTRIC, TELEPHONE, CABLE, ETC., SHALL BE TERMINATED AT THE SERVICE MAIN IN ACCORDANCE WITH THE UTILITY COMPANY OR TOWN REQUIREMENTS. ALL ONSITE PIPING, WIRING, CONDUITS & STRUCTURES SHALL BE REMOVED.
- DEMOLITION SHALL INCLUDE, BUT IS NOT LIMITED TO, REMOVAL OF: SURFACE PAVEMENTS, EXTERIOR CONCRETE SLABS, UNDERGROUND UTILITIES, TREES, AND ACCESSORY STRUCTURES AND ALL OTHER STRUCTURES NOT SCHEDULED TO REMAIN.
- IF HAZARDOUS MATERIALS OR WASTE IS ENCOUNTERED DURING DEMOLITION WORK, THE CONTRACTOR SHALL CONTACT THE REGULATORY AGENCIES AND COMPLY WITH THE JURISDICTIONAL REQUIREMENTS. HAZARDOUS MATERIALS AND WASTES MUST BE REMOVED BY A PERMITTED HAZARDOUS WASTE CONTRACTOR TO A HAZARDOUS WASTE SITE PERMITTED TO ACCEPT THE CHARACTERIZED WASTE.
- TAKE ALL PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK AREA DURING DEMOLITION PROCEDURES. THE CONTRACTOR SHALL MINIMIZE DUST AND NOISE POLLUTION GENERATED DURING DEMOLITION AND CONSTRUCTION ACTIVITIES.
- PRIOR TO DEMOLITION, HAND EXCAVATE ANY UNDERGROUND UTILITIES. NOTIFY THE OWNER IF ANY OTHER UTILITIES NOT NOTED ON THE DRAWINGS ARE FOUND.
- CARE SHALL BE TAKEN NOT TO DAMAGE OR DISTURB ANY TREES NOT CALLED OUT FOR REMOVAL DURING CONSTRUCTION. KEEP CONSTRUCTION ACTIVITIES AND EQUIPMENT OUTSIDE OF DRIP LINE OF EXISTING TREES TO REMAIN AND NEWLY INSTALLED TREES.
- ALL DEPRESSIONS OR VOIDS IN THE GROUND SURFACE RESULTING FROM DEMOLITION WORK SHALL BE BACKFILLED WITH CLEAN, NATIVE FILL OR GRANULAR FILL MEETING THE REQUIREMENTS OF THE EARTHWORK SPECIFICATIONS AND SHALL BE COMPACTED IN ACCORDANCE WITH THE EARTHWORK SPECIFICATION CORRESPONDING TO LOCATION WITHIN THE WORK AREA.

DEMOLITION ITEMS

-  AREAS WITH TREES TO BE REMOVED
APPROXIMATELY 1.41 ACRES
-  EXISTING PAVEMENT TO BE REMOVED
-  EXISTING SPEED LIMIT SIGN TO BE RELOCATED. SEE DRAWING C102.

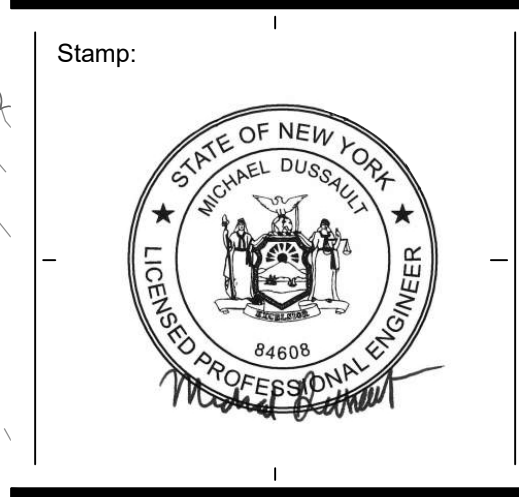
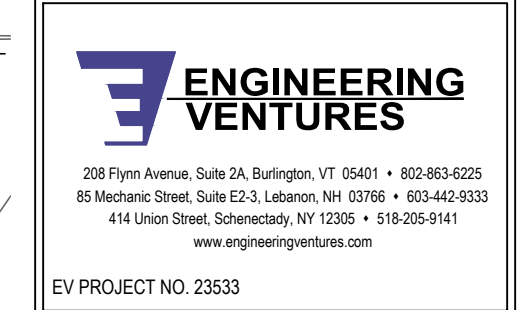
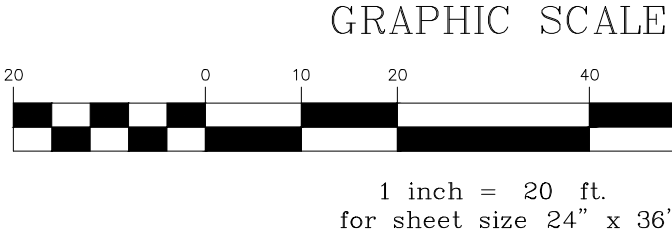
GEOTECHNICAL INFORMATION

THE FOLLOWING INFORMATION IS TAKEN FROM "GEOTECHNICAL DATA REPORT AIRPORT ROAD DEVELOPMENT", PREPARED BY TERRACON, DATED MAY 26, 2023. FOR FULL BORING PROFILES, NOTES AND INFORMATION, REFER TO THE GEOTECHNICAL ENGINEERING REPORT.

- B-4
0 - 5" TOPSOIL
5" - 4" POSSIBLE FILL - SILTY SAND
4" - 6.5" POSSIBLE FILL - POORLY GRADED SAND WITH SILT
6.5" - 10' POSSIBLE FILL - POORLY GRADED SAND
10' - 22' POORLY GRADED SAND
• BORING TERMINATED AT 22 FT
• GROUND WATER LEVEL 11.2' AT BORING COMPLETION

SITE SOILS

SYMBOL	SOIL TYPE	HSG	% OF SITE
PsA	PLAINFIELD LOAMY SAND 0 TO 3 PERCENT SLOPES	A	100%

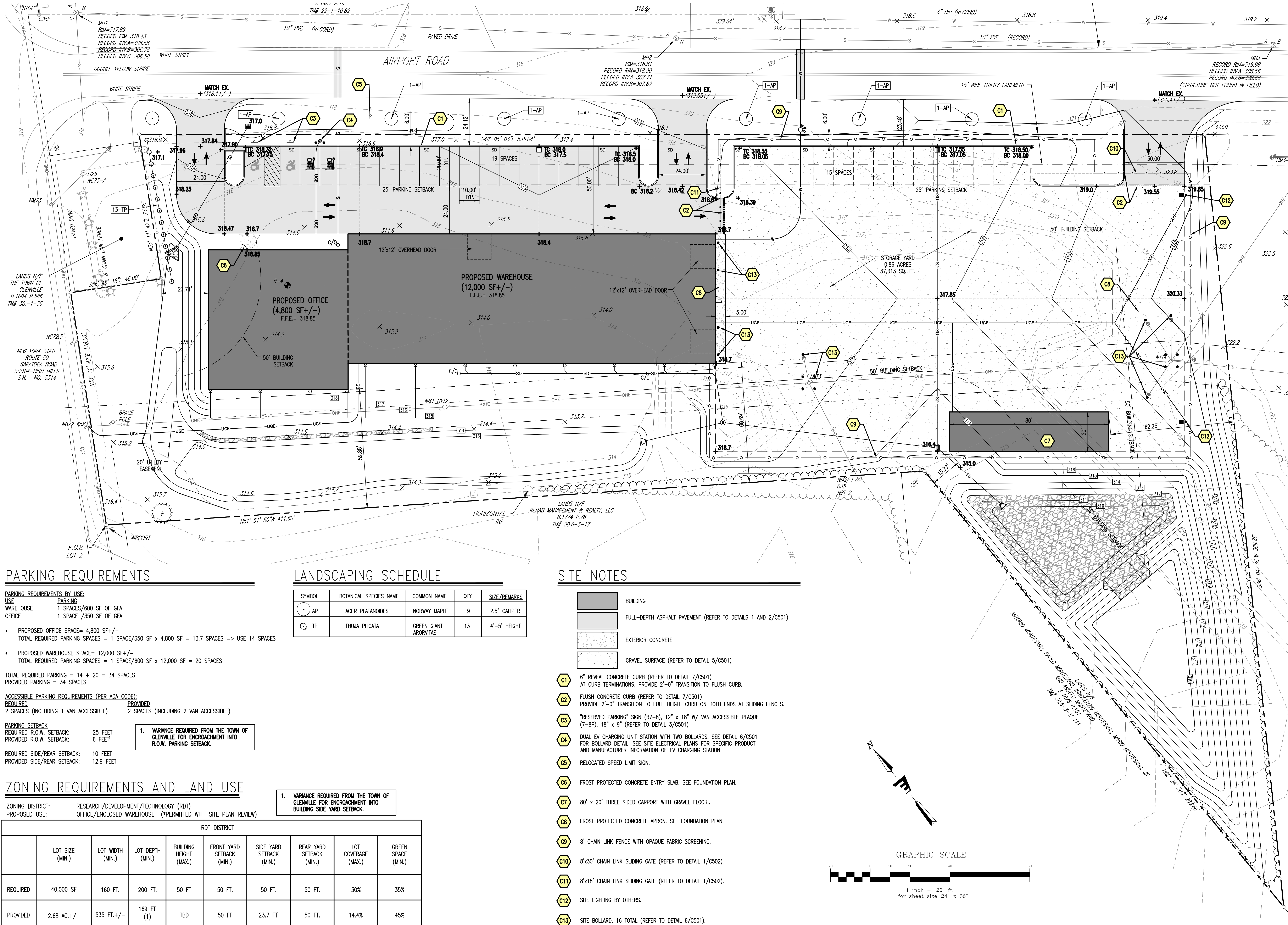


Project: NEW CONSTRUCTION
FOR:
MID-STATE INDUSTRIES
OFFICE & WAREHOUSE
Airport Road Town of Glenville, NY

No.	REVISION #	DATE:

Drawn By: Engineering Ventures
Scale: As Noted
Date: 2/12/2024
Job No: EV #23533
Sheet Title:
EXISTING CONDITIONS
AND DEMOLITION PLAN
Sheet Number:

C101



PARKING REQUIREMENTS

- PARKING REQUIREMENTS BY USE:**
- | USE | PARKING |
|-----------|------------------------|
| WAREHOUSE | 1 SPACES/600 SF OF GFA |
| OFFICE | 1 SPACE /350 SF OF GFA |
- PROPOSED OFFICE SPACE= 4,800 SF +/-
TOTAL REQUIRED PARKING SPACES = 1 SPACE/350 SF x 4,800 SF = 13.7 SPACES => USE 14 SPACES
 - PROPOSED WAREHOUSE SPACE= 12,000 SF +/-
TOTAL REQUIRED PARKING SPACES = 1 SPACE/600 SF x 12,000 SF = 20 SPACES

TOTAL REQUIRED PARKING = 14 + 20 = 34 SPACES
PROVIDED PARKING = 34 SPACES

ACCESSIBLE PARKING REQUIREMENTS (PER ADA CODE):	
REQUIRED	PROVIDED
2 SPACES (INCLUDING 1 VAN ACCESSIBLE)	2 SPACES (INCLUDING 2 VAN ACCESSIBLE)

PARKING SETBACK	
REQUIRED R.O.W. SETBACK:	25 FEET
PROVIDED R.O.W. SETBACK:	6 FEET ¹
1. VARIANCE REQUIRED FROM THE TOWN OF GLENVILLE FOR ENCROACHMENT INTO R.O.W. PARKING SETBACK.	
REQUIRED SIDE/REAR SETBACK:	10 FEET
PROVIDED SIDE/REAR SETBACK:	12.9 FEET

ZONING REQUIREMENTS AND LAND USE

ZONING DISTRICT: RESEARCH/DEVELOPMENT/TECHNOLOGY (RDT)
PROPOSED USE: OFFICE/ENCLOSED WAREHOUSE (*PERMITTED WITH SITE PLAN REVIEW)

RDT DISTRICT								
	LOT SIZE (MIN.)	LOT WIDTH (MIN.)	LOT DEPTH (MIN.)	BUILDING HEIGHT (MAX.)	FRONT YARD SETBACK (MIN.)	SIDE YARD SETBACK (MIN.)	REAR YARD SETBACK (MIN.)	LOT COVERAGE (MAX.)
REQUIRED	40,000 SF	160 FT.	200 FT.	50 FT	50 FT.	50 FT.	50 FT.	30%
PROVIDED	2.68 AC.+/-	535 FT.+/-	169 FT (1)	TBD	50 FT	23.7 FT ¹	50 FT.	14.4%

LANDSCAPING SCHEDULE

SYMBOL	BOTANICAL SPECIES NAME	COMMON NAME	QTY	SIZE/REMARKS
AP	ACER PLATANOIDES	NORWAY MAPLE	9	2.5" CALIPER
TP	THUJA PLICATA	GREEN GIANT ARBORVITAE	13	4'-5" HEIGHT

SITE NOTES

- C1** 6" REVEAL CONCRETE CURB (REFER TO DETAIL 7/C501) AT CURB TERMINATIONS, PROVIDE 2'-0" TRANSITION TO FLUSH CURB.
- C2** FLUSH CONCRETE CURB (REFER TO DETAIL 7/C501) PROVIDE 2'-0" TRANSITION TO FULL HEIGHT CURB ON BOTH ENDS AT SLIDING FENCES.
- C3** "RESERVED PARKING" SIGN (R7-B), 12" x 18" W/ AN ACCESSIBLE PLAQUE (7-8P), 18" x 9" (REFER TO DETAIL 3/C501)
- C4** DUAL EV CHARGING UNIT STATION WITH TWO BOLLARDS. SEE DETAIL 6/C501 FOR BOLLARD DETAIL. SEE SITE ELECTRICAL PLANS FOR SPECIFIC PRODUCT AND MANUFACTURER INFORMATION OF EV CHARGING STATION.
- C5** RELOCATED SPEED LIMIT SIGN.
- C6** FROST PROTECTED CONCRETE ENTRY SLAB. SEE FOUNDATION PLAN.
- C7** 80' x 20' THREE SIDED CARPORT WITH GRAVEL FLOOR..
- C8** FROST PROTECTED CONCRETE APRON. SEE FOUNDATION PLAN.
- C9** 8' CHAIN LINK FENCE WITH OPAQUE FABRIC SCREENING.
- C10** 8'x30' CHAIN LINK SLIDING GATE (REFER TO DETAIL 1/C502).
- C11** 8'x18' CHAIN LINK SLIDING GATE (REFER TO DETAIL 1/C502).
- C12** SITE LIGHTING BY OTHERS.
- C13** SITE BOLLARD, 16 TOTAL (REFER TO DETAIL 6/C501).

DESIGN GROUP
WWW.C2-DESIGNGROUP.COM
24 AIRPORT ROAD
SCHENECTADY, NY 12302
518.320.8250

ENGINEERING VENTURES
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65 MEDICINE STREET, SUITE E3.3, LEBANON, NH 03756 • 603.442.9333
414 UNION STREET, SCHENECTADY, NY 12305 • 518.205.9141
WWW.ENGINEERINGVENTURES.COM

EV PROJECT NO. 23533

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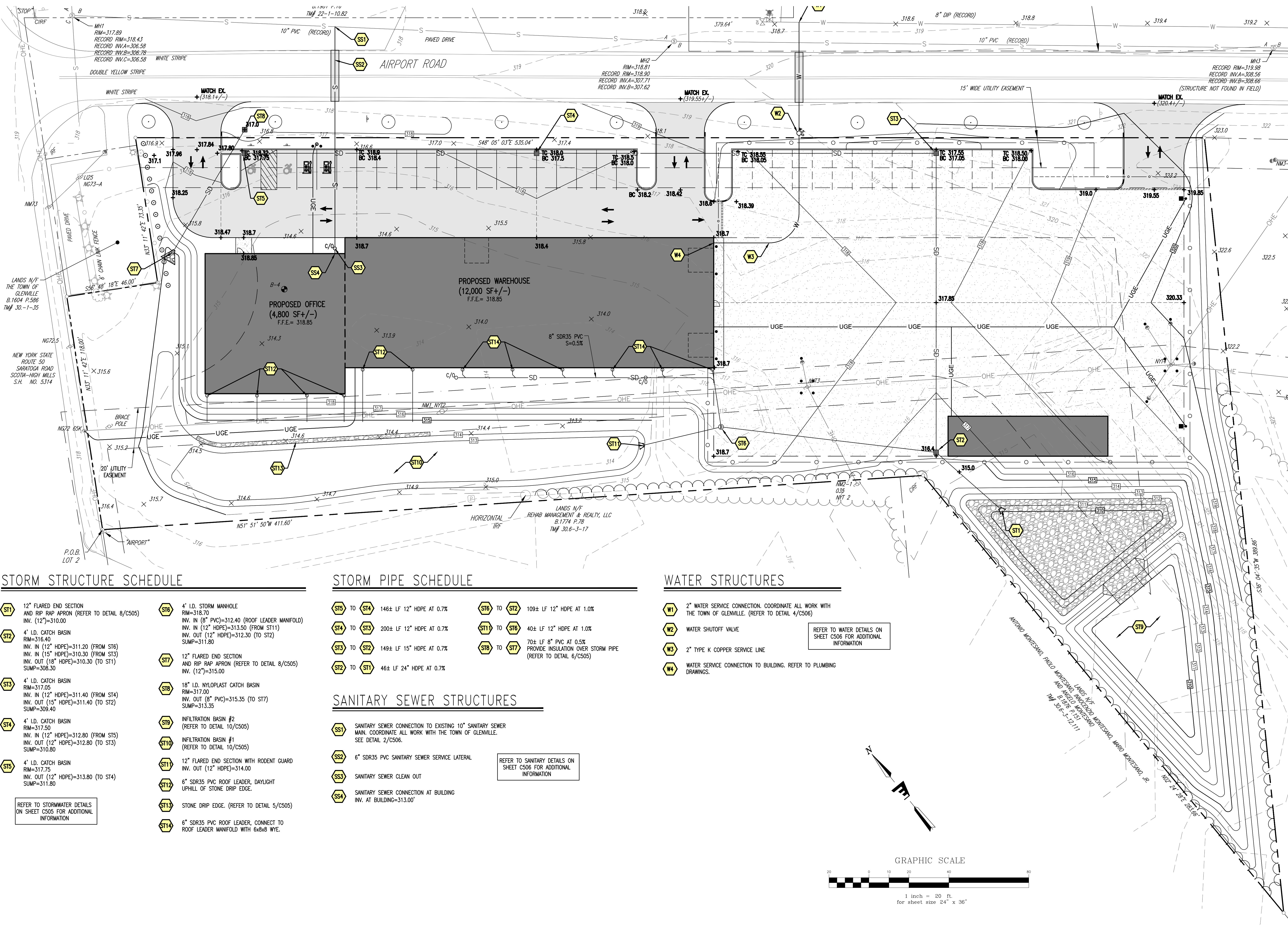
Project: NEW CONSTRUCTION
FOR: MID-STATE INDUSTRIES
OFFICE & WAREHOUSE
Airport Road Town of Glenville, NY

No.	REVISION #	DATE:

Drawn By: Engineering Ventures
Scale: As Noted
Date: 2/12/2024
Job No: EV #23533
Sheet Title: **SITE PLAN**
Sheet Number: **C102**

Plot Date: 2/9/2024 11:47:48 AM

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STORM STRUCTURE SCHEDULE

- ST1** 12" FLARED END SECTION AND RIP RAP APRON (REFER TO DETAIL 8/C505) INV. (12")=310.00
- ST2** 4' I.D. CATCH BASIN RIM=316.40 INV. IN (12" HDPE)=311.20 (FROM ST6) INV. IN (15" HDPE)=310.30 (FROM ST3) INV. OUT (18" HDPE)=310.30 (TO ST1) SUMP=308.30
- ST3** 4' I.D. CATCH BASIN RIM=317.05 INV. IN (12" HDPE)=311.40 (FROM ST4) INV. OUT (15" HDPE)=311.40 (TO ST2) SUMP=309.40
- ST4** 4' I.D. CATCH BASIN RIM=317.50 INV. IN (12" HDPE)=312.80 (FROM ST5) INV. OUT (12" HDPE)=312.80 (TO ST3) SUMP=310.80
- ST5** 4' I.D. CATCH BASIN RIM=317.75 INV. OUT (12" HDPE)=313.80 (TO ST4) SUMP=311.80
- ST6** 4' I.D. STORM MANHOLE RIM=318.70 INV. IN (8" PVC)=312.40 (ROOF LEADER MANIFOLD) INV. IN (12" HDPE)=313.50 (FROM ST11) INV. OUT (12" HDPE)=312.30 (TO ST2) SUMP=311.80
- ST7** 12" FLARED END SECTION AND RIP RAP APRON (REFER TO DETAIL 8/C505) INV. (12")=315.00
- ST8** 18" I.D. NYLOPLAST CATCH BASIN RIM=317.00 INV. OUT (8" PVC)=315.35 (TO ST7) SUMP=313.35
- ST9** INFILTRATION BASIN #2 (REFER TO DETAIL 10/C505)
- ST10** INFILTRATION BASIN #1 (REFER TO DETAIL 10/C505)
- ST11** 12" FLARED END SECTION WITH RODENT GUARD INV. OUT (12" HDPE)=314.00
- ST12** 6" SDR35 PVC ROOF LEADER, DAYLIGHT UPHILL OF STONE DRIP EDGE.
- ST13** STONE DRIP EDGE. (REFER TO DETAIL 5/C505)
- ST14** 6" SDR35 PVC ROOF LEADER, CONNECT TO ROOF LEADER MANIFOLD WITH 6x8x8 WYE.

REFER TO STORMWATER DETAILS ON SHEET C505 FOR ADDITIONAL INFORMATION

STORM PIPE SCHEDULE

- ST5** TO **ST4** 146± LF 12" HDPE AT 0.7%
- ST4** TO **ST3** 200± LF 12" HDPE AT 0.7%
- ST3** TO **ST2** 149± LF 15" HDPE AT 0.7%
- ST2** TO **ST1** 46± LF 24" HDPE AT 0.7%
- ST6** TO **ST2** 109± LF 12" HDPE AT 1.0%
- ST11** TO **ST6** 40± LF 12" HDPE AT 1.0%
- ST8** TO **ST7** 70± LF 8" PVC AT 0.5% PROVIDE INSULATION OVER STORM PIPE (REFER TO DETAIL 6/C505)

SANITARY SEWER STRUCTURES

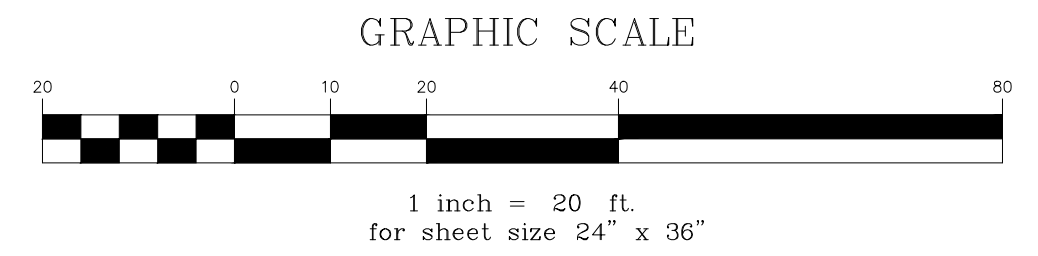
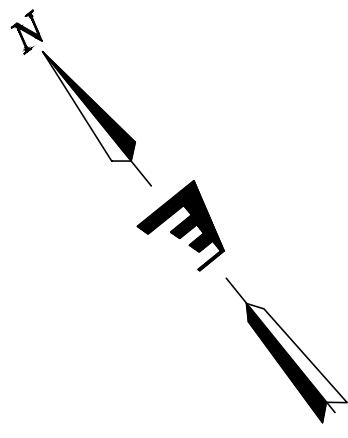
- SS1** SANITARY SEWER CONNECTION TO EXISTING 10" SANITARY SEWER MAIN. COORDINATE ALL WORK WITH THE TOWN OF GLENVILLE. SEE DETAIL 2/C506.
- SS2** 6" SDR35 PVC SANITARY SEWER SERVICE LATERAL
- SS3** SANITARY SEWER CLEAN OUT
- SS4** SANITARY SEWER CONNECTION AT BUILDING INV. AT BUILDING=313.00'

REFER TO SANITARY DETAILS ON SHEET C506 FOR ADDITIONAL INFORMATION

WATER STRUCTURES

- W1** 2" WATER SERVICE CONNECTION. COORDINATE ALL WORK WITH THE TOWN OF GLENVILLE. (REFER TO DETAIL 4/C506)
- W2** WATER SHUTOFF VALVE
- W3** 2" TYPE K COPPER SERVICE LINE
- W4** WATER SERVICE CONNECTION TO BUILDING. REFER TO PLUMBING DRAWINGS.

REFER TO WATER DETAILS ON SHEET C506 FOR ADDITIONAL INFORMATION



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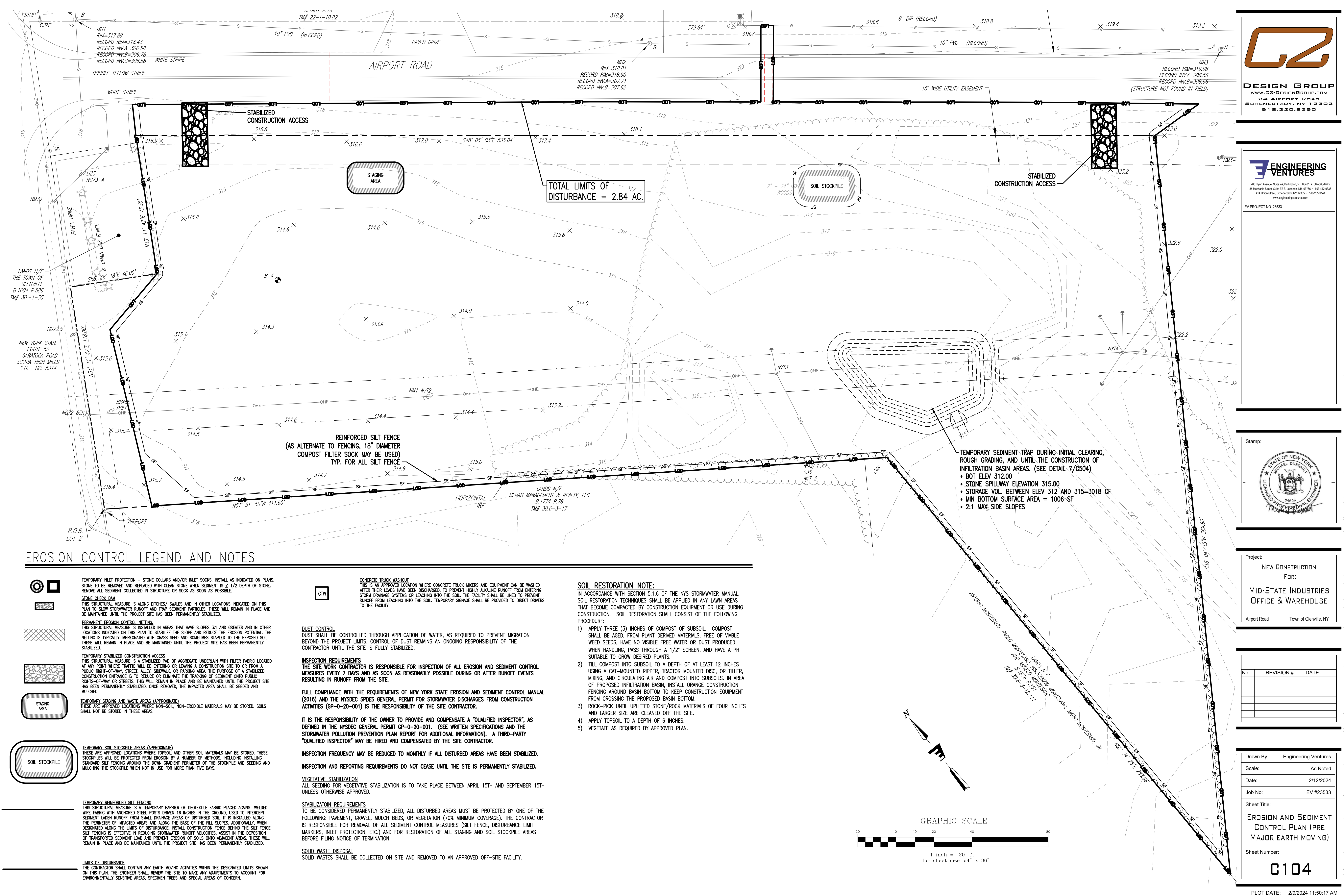
Project: **NEW CONSTRUCTION**
FOR:
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OFFICE & WAREHOUSE
Airport Road Town of Glenville, NY

No.	REVISION #	DATE:

Drawn By: Engineering Ventures
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Job No: EV #23533
Sheet Title:
UTILITY PLAN
Sheet Number:
C103

PLOT DATE: 2/9/2024 11:49:03 AM

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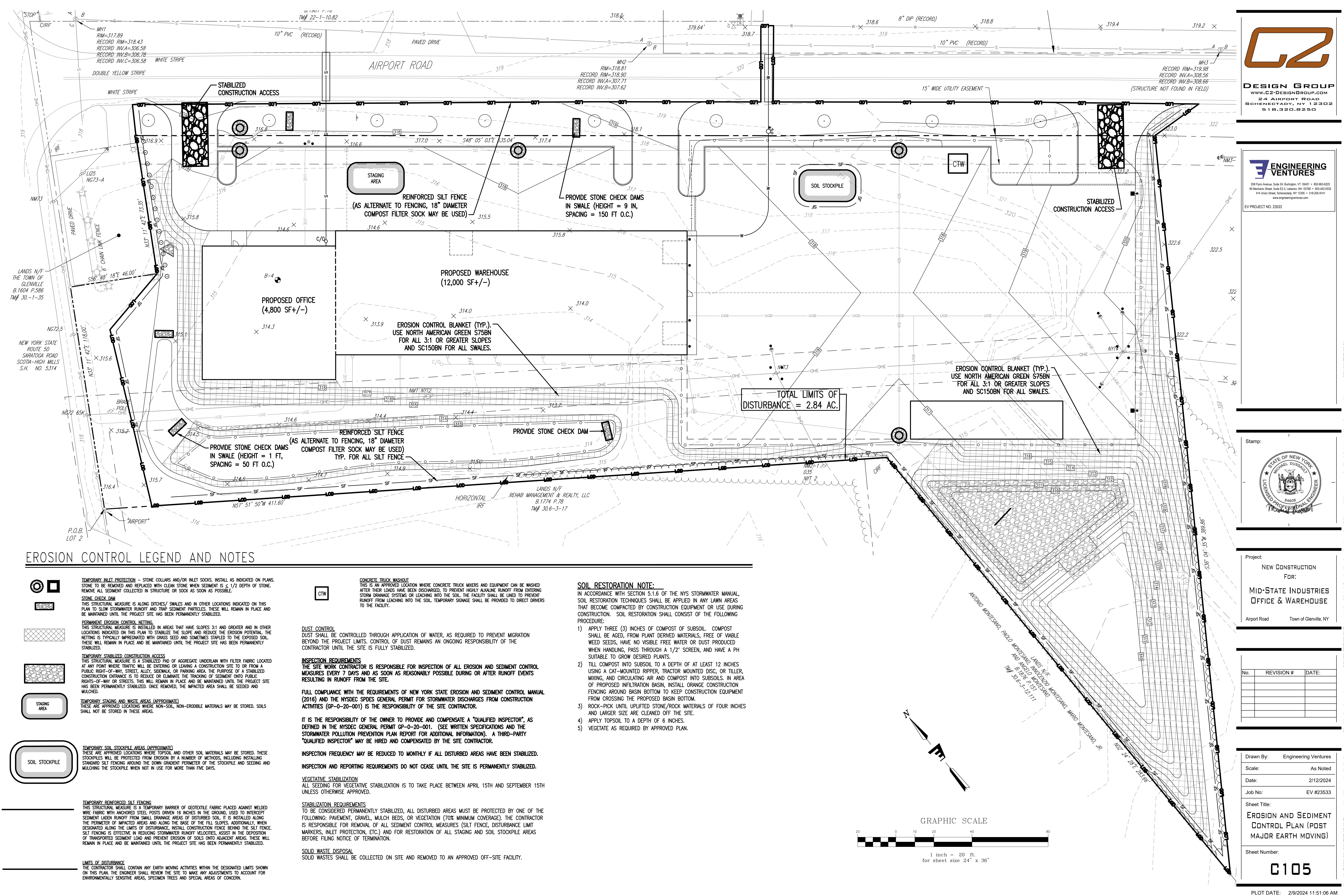
Job No: EV #23533

Sheet Title:
**EROSION AND SEDIMENT
CONTROL PLAN (PRE
MAJOR EARTH MOVING)**

Sheet Number:
C104

PLOT DATE: 2/9/2024 11:50:17 AM

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EROSION CONTROL LEGEND AND NOTES

TEMPORARY INLET PROTECTION - STONE COLLARS AND/OR INLET SOCKS. INSTALL AS INDICATED ON PLANS. STONE TO BE REMOVED AND REPLACED WITH CLEAN STONE WHEN SEDIMENT IS $\leq 1/2$ DEPTH OF STONE. REMOVE ALL SEDIMENT COLLECTED IN STRUCTURE OR SOCK AS SOON AS POSSIBLE.

STONE CHECK DAM
THIS STRUCTURAL MEASURE IS ALONG DITCHES/ SWALES AND IN OTHER LOCATIONS INDICATED ON THIS PLAN TO SLOW STORMWATER RUNOFF AND TRAP SEDIMENT PARTICLES. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED.

PERMANENT EROSION CONTROL NETTING
THIS STRUCTURAL MEASURE IS INSTALLED IN AREAS THAT HAVE SLOPES 3:1 AND GREATER AND IN OTHER LOCATIONS INDICATED ON THIS PLAN TO STABILIZE THE SLOPE AND REDUCE THE EROSION POTENTIAL. THE NETTING IS TYPICALLY IMPREGNATED WITH GRASS SEED AND SOMETIMES STAPLED TO THE EXPOSED SOIL. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED.

TEMPORARY STABILIZED CONSTRUCTION ACCESS
THIS STRUCTURAL MEASURE IS A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER FABRIC LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA. THE PURPOSE OF A STABILIZED CONSTRUCTION ENTRANCE IS TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY OR STREETS. THIS WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED. ONCE REMOVED, THE IMPACTED AREA SHALL BE SEEDED AND MULCHED.

TEMPORARY STAGING AND WASTE AREAS (APPROXIMATE)
THESE ARE APPROVED LOCATIONS WHERE NON-SOIL, NON-ERODIBLE MATERIALS MAY BE STORED. SOILS SHALL NOT BE STORED IN THESE AREAS.

TEMPORARY SOIL STOCKPILE AREAS (APPROXIMATE)
THESE ARE APPROVED LOCATIONS WHERE TOPSOIL AND OTHER SOIL MATERIALS MAY BE STORED. THESE STOCKPILES WILL BE PROTECTED FROM EROSION BY A NUMBER OF METHODS, INCLUDING INSTALLING STANDARD SILT FENCING AROUND THE DOWN GRADIENT PERIMETER OF THE STOCKPILE AND SEEDING AND MULCHING THE STOCKPILE WHEN NOT IN USE FOR MORE THAN FIVE DAYS.

TEMPORARY REINFORCED SILT FENCING
THIS STRUCTURAL MEASURE IS A TEMPORARY BARRIER OF GEOTEXTILE FABRIC PLACED AGAINST WELDED WIRE FABRIC WITH ANCHORED 18" STEEL POSTS DRIVEN 18" DEEP IN THE GROUND. USED TO INTERCEPT SEDIMENT LOADED RUNOFF FROM SMALL DRAINAGE AREAS OF DISTURBED SOIL. IT IS INSTALLED ALONG THE PERIMETER OF IMPACTED AREAS AND ALONG THE BASE OF THE FILL SLOPES. ADDITIONALLY, WHEN DESIGNATED ALONG THE LIMITS OF DISTURBANCE, INSTALL CONSTRUCTION FENCE BEHIND THE SILT FENCE. SILT FENCING IS EFFECTIVE IN REDUCING STORMWATER RUNOFF VELOCITIES, ASSIST IN THE DEPOSITION OF TRANSPORTED SEDIMENT LOAD AND PREVENT EROSION OF SOILS ONTO ADJACENT AREAS. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED.

LIMITS OF DISTURBANCE
THE CONTRACTOR SHALL CONTAIN ANY EARTH MOVING ACTIVITIES WITHIN THE DESIGNATED LIMITS SHOWN ON THIS PLAN. THE ENGINEER SHALL REVIEW THE SITE TO MAKE ANY ADJUSTMENTS TO ACCOUNT FOR ENVIRONMENTALLY SENSITIVE AREAS, SPECIMEN TREES AND SPECIAL AREAS OF CONCERN.

CONCRETE TRUCK WASHOUT
THIS IS AN APPROVED LOCATION WHERE CONCRETE TRUCK MIXERS AND EQUIPMENT CAN BE WASHED AFTER THEIR LOADS HAVE BEEN DISCHARGED, TO PREVENT HIGHLY ALKALINE RUNOFF FROM ENTERING STORM DRAINAGE SYSTEMS OR LEACHING INTO THE SOIL. THE FACILITY SHALL BE LINED TO PREVENT RUNOFF FROM LEACHING INTO THE SOIL. TEMPORARY SIGNAGE SHALL BE PROVIDED TO DIRECT DRIVERS TO THE FACILITY.

DUST CONTROL
DUST SHALL BE CONTROLLED THROUGH APPLICATION OF WATER, AS REQUIRED TO PREVENT MIGRATION BEYOND THE PROJECT LIMITS. CONTROL OF DUST REMAINS AN ONGOING RESPONSIBILITY OF THE CONTRACTOR UNTIL THE SITE IS FULLY STABILIZED.

INSPECTION REQUIREMENTS
THE SITE WORK CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES EVERY 7 DAYS AND AS SOON AS REASONABLY POSSIBLE DURING OR AFTER RUNOFF EVENTS RESULTING IN RUNOFF FROM THE SITE.

FULL COMPLIANCE WITH THE REQUIREMENTS OF NEW YORK STATE EROSION AND SEDIMENT CONTROL MANUAL (2016) AND THE NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES (GP-0-20-001) IS THE RESPONSIBILITY OF THE SITE CONTRACTOR.

IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE AND COMPENSATE A "QUALIFIED INSPECTOR", AS DEFINED IN THE NYSDEC GENERAL PERMIT GP-0-20-001. (SEE WRITTEN SPECIFICATIONS AND THE STORMWATER POLLUTION PREVENTION PLAN REPORT FOR ADDITIONAL INFORMATION). A THIRD-PARTY "QUALIFIED INSPECTOR" MAY BE HIRED AND COMPENSATED BY THE SITE CONTRACTOR.

INSPECTION FREQUENCY MAY BE REDUCED TO MONTHLY IF ALL DISTURBED AREAS HAVE BEEN STABILIZED.

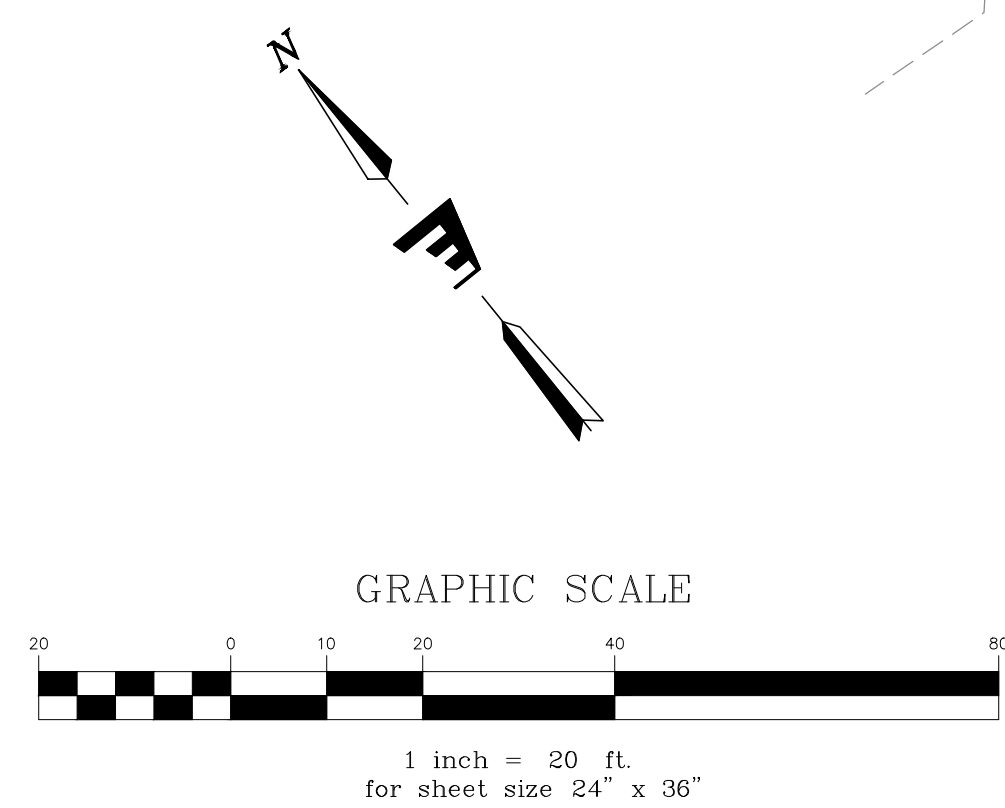
INSPECTION AND REPORTING REQUIREMENTS DO NOT CEASE UNTIL THE SITE IS PERMANENTLY STABILIZED.

VEGETATIVE STABILIZATION
ALL SEEDING FOR VEGETATIVE STABILIZATION IS TO TAKE PLACE BETWEEN APRIL 15TH AND SEPTEMBER 15TH UNLESS OTHERWISE APPROVED.

STABILIZATION REQUIREMENTS
TO BE CONSIDERED PERMANENTLY STABILIZED, ALL DISTURBED AREAS MUST BE PROTECTED BY ONE OF THE FOLLOWING: PAVEMENT, GRAVEL, MULCH BEDS, OR VEGETATION (70% MINIMUM COVERAGE). THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL SEDIMENT CONTROL MEASURES (SILT FENCE, DISTURBANCE LIMIT MARKERS, INLET PROTECTION, ETC.) AND FOR RESTORATION OF ALL STAGING AND SOIL STOCKPILE AREAS BEFORE FILING NOTICE OF TERMINATION.

SOLID WASTE DISPOSAL
SOLID WASTES SHALL BE COLLECTED ON SITE AND REMOVED TO AN APPROVED OFF-SITE FACILITY.

- SOIL RESTORATION NOTE:**
IN ACCORDANCE WITH SECTION 5.1.6 OF THE NYS STORMWATER MANUAL, SOIL RESTORATION TECHNIQUES SHALL BE APPLIED IN ANY LAWN AREAS THAT BECOME COMPACTED BY CONSTRUCTION EQUIPMENT OR USE DURING CONSTRUCTION. SOIL RESTORATION SHALL CONSIST OF THE FOLLOWING PROCEDURE:
- 1) APPLY THREE (3) INCHES OF COMPOST OF SUBSOIL. COMPOST SHALL BE AGED, FROM PLANT DERIVED MATERIALS, FREE OF VIABLE WEED SEEDS, HAVE NO VISIBLE FREE WATER OR DUST PRODUCED WHEN HANDLING, PASS THROUGH A 1/2" SCREEN, AND HAVE A PH SUITABLE TO GROW DESIRED PLANTS.
 - 2) TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS. IN AREA OF PROPOSED INFILTRATION BASIN, INSTALL ORANGE CONSTRUCTION FENCING AROUND BASIN BOTTOM TO KEEP CONSTRUCTION EQUIPMENT FROM CROSSING THE PROPOSED BASIN BOTTOM.
 - 3) ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE.
 - 4) APPLY TOPSOIL TO A DEPTH OF 6 INCHES.
 - 5) VEGETATE AS REQUIRED BY APPROVED PLAN.



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Airport Road Town of Glenville, NY

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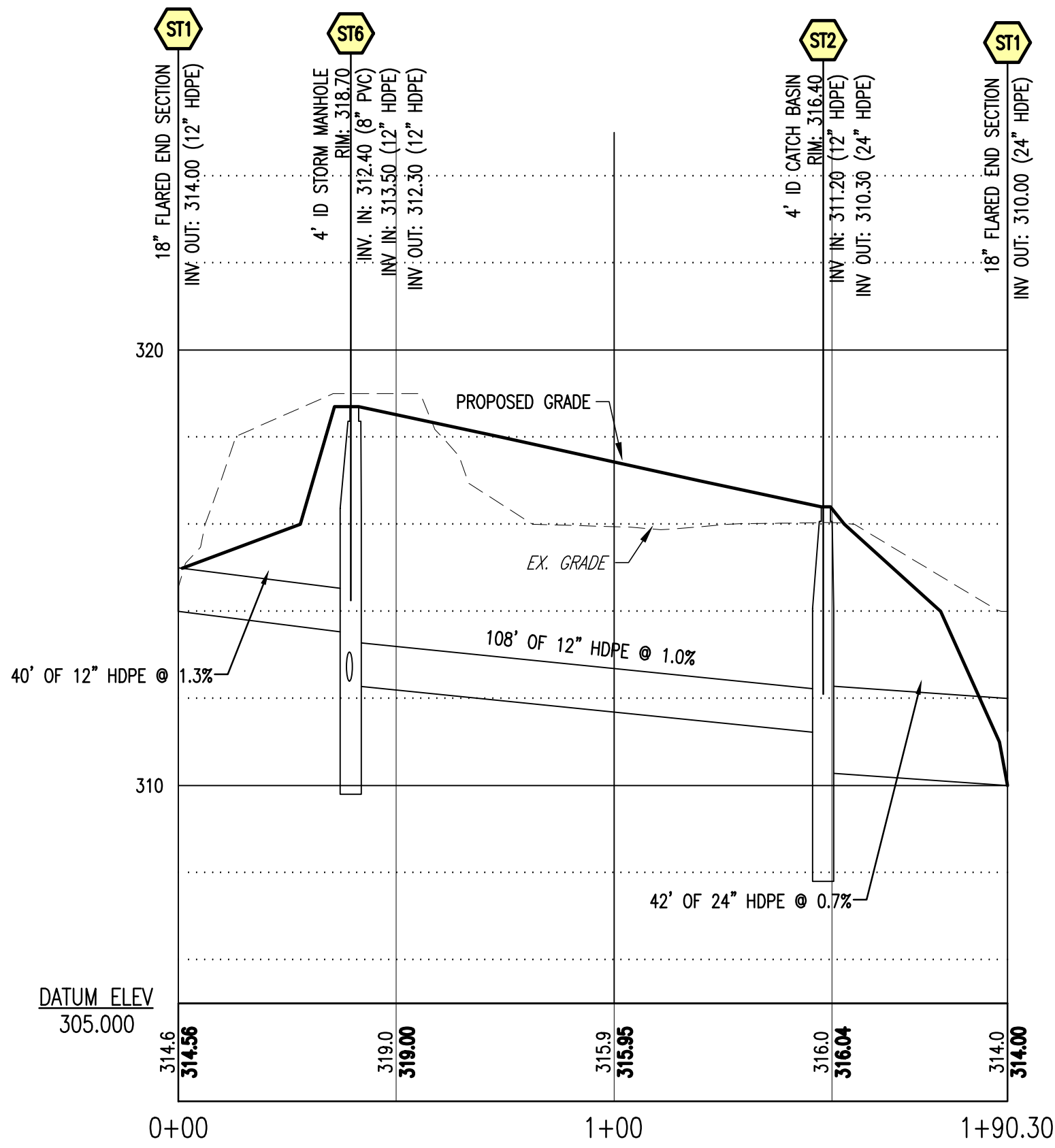
Job No: EV #23533

Sheet Title:
EROSION AND SEDIMENT CONTROL PLAN (POST MAJOR EARTH MOVING)

Sheet Number:
C105

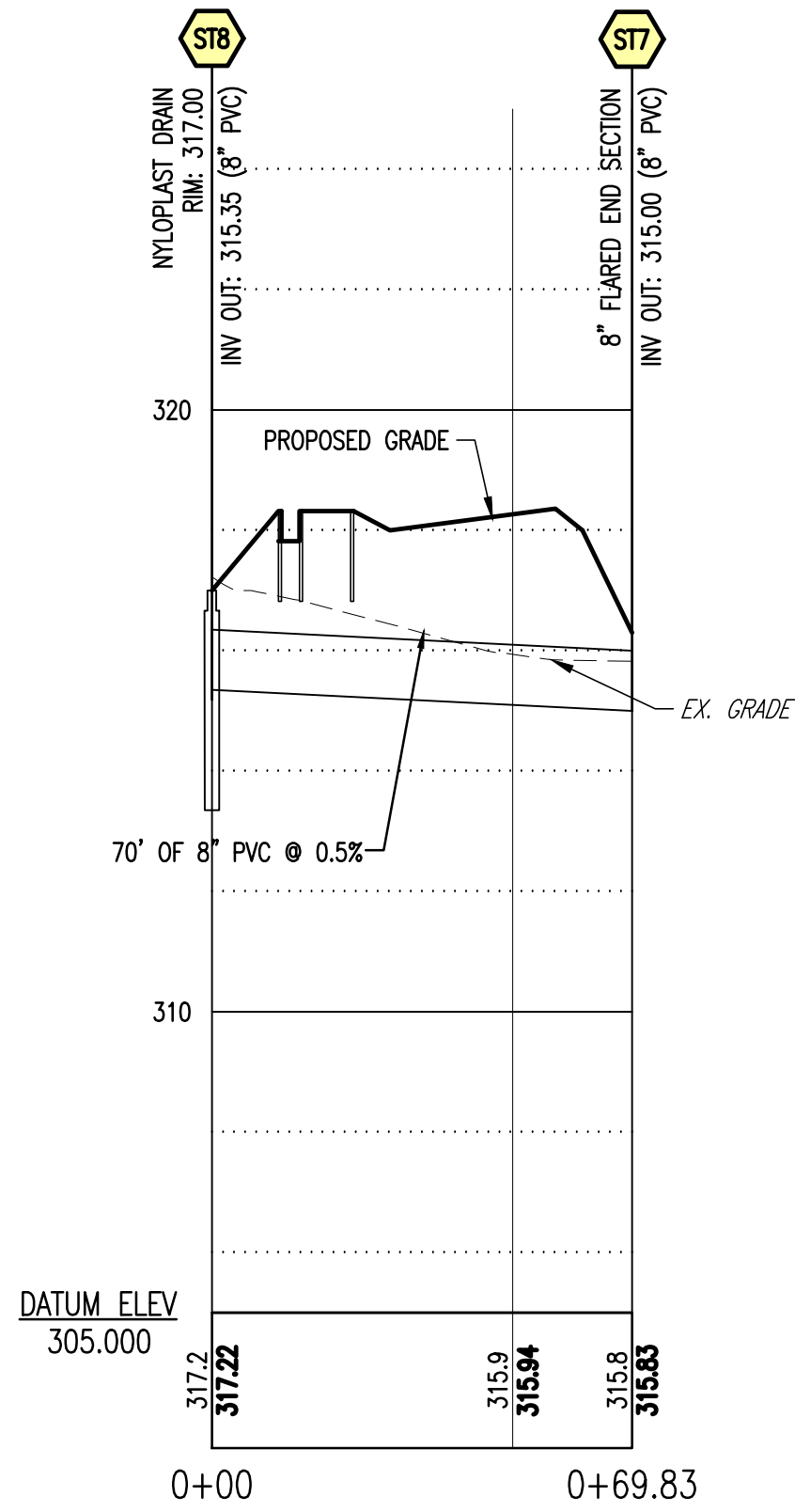
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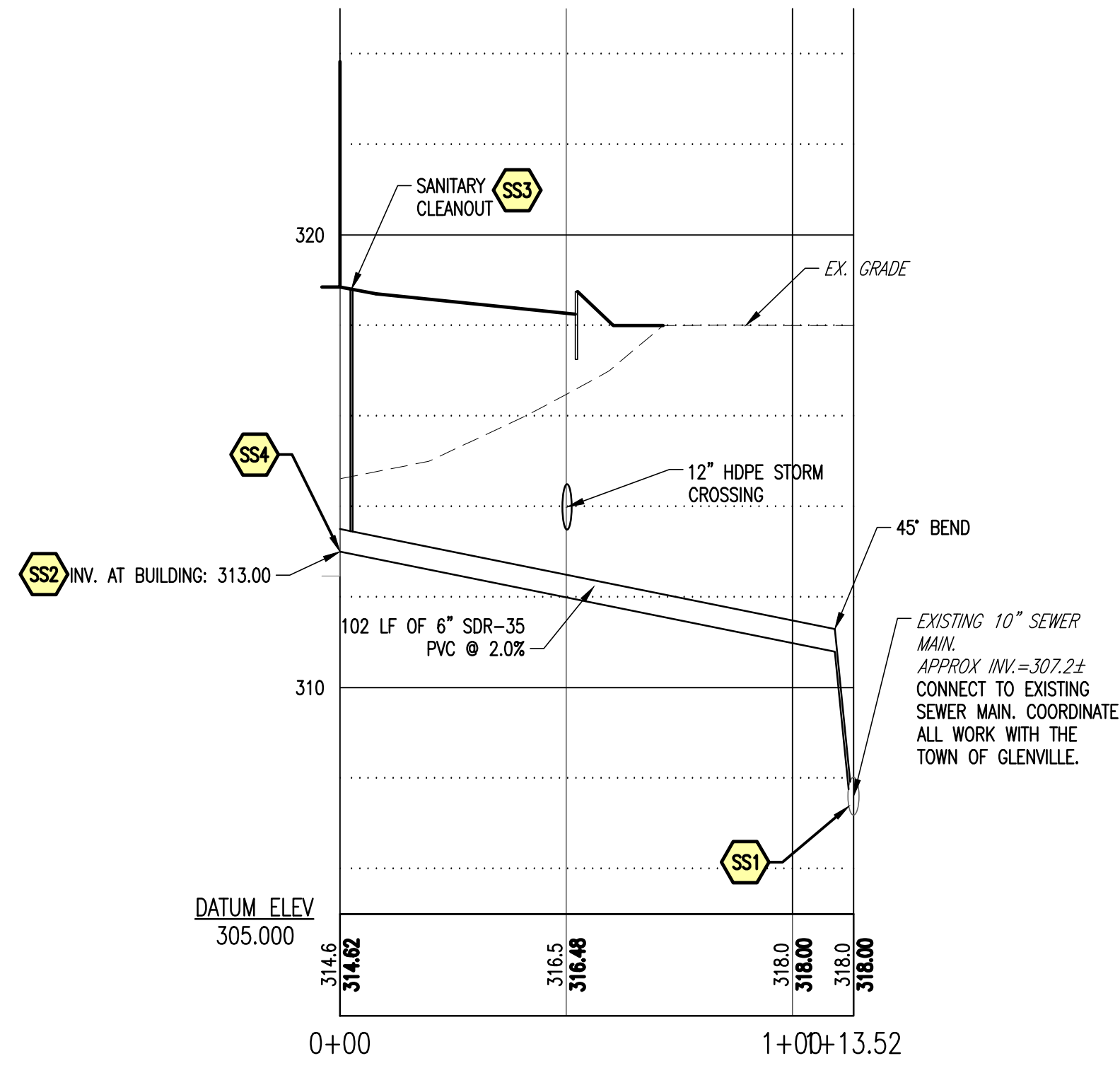
ST11 – ST1 PROFILE

SCALE: HORIZ. 1" = 30'
VERT.: 1" = 3'



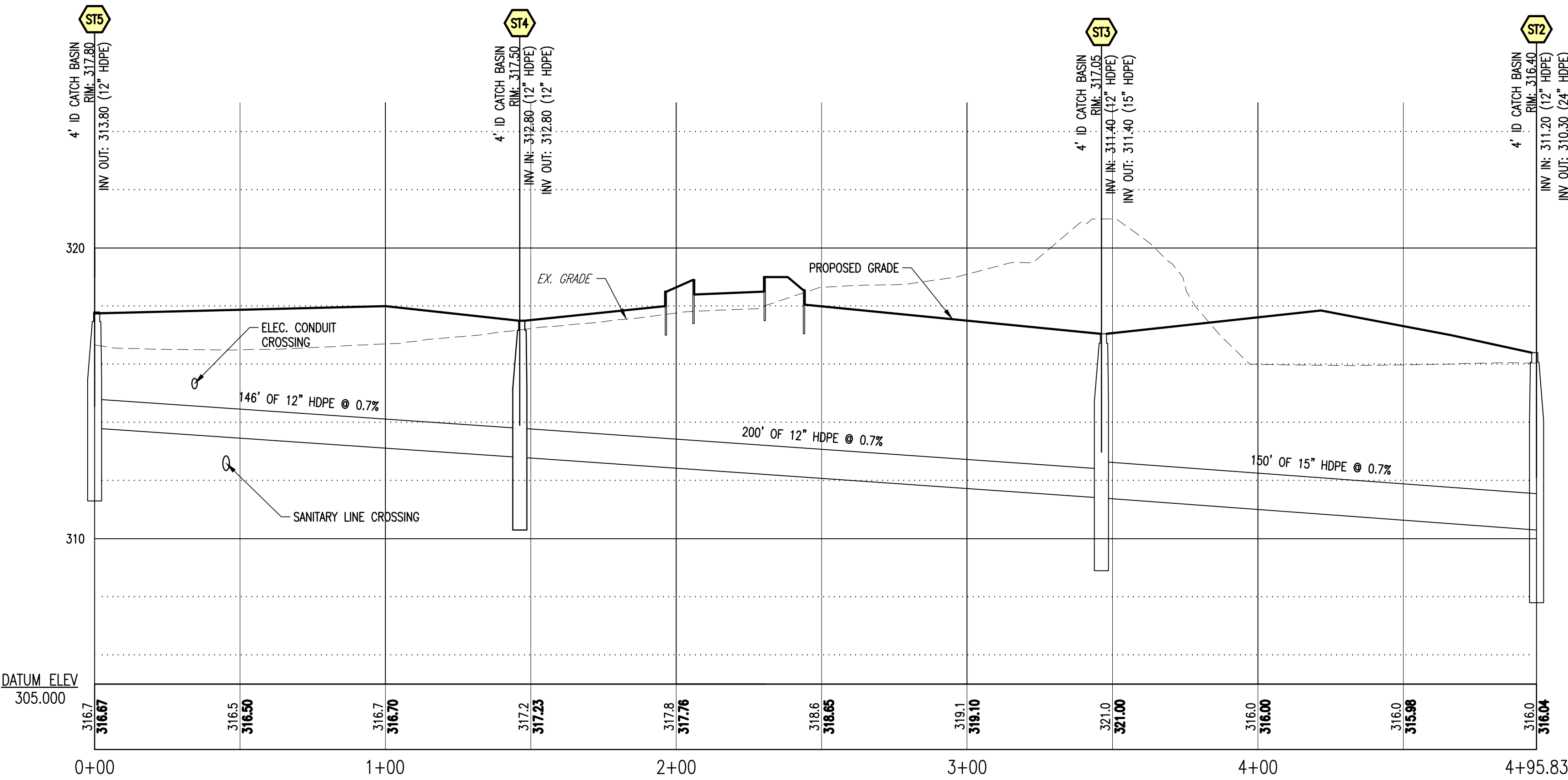
ST8 – ST7 PROFILE

SCALE: HORIZ. 1" = 30'
VERT.: 1" = 3'



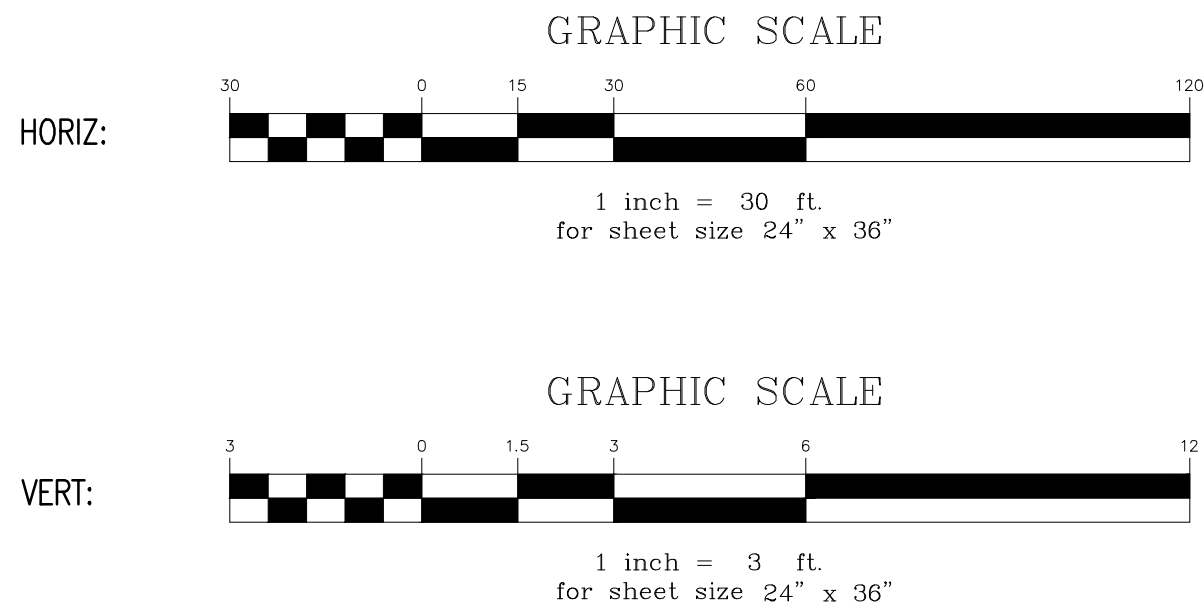
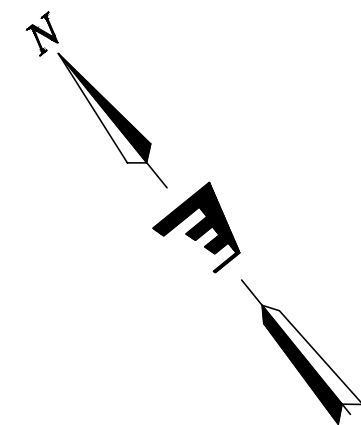
SANITARY SEWER PROFILE

SCALE: HORIZ. 1" = 30'
VERT.: 1" = 3'



ST5 – ST2 PROFILE

SCALE: HORIZ. 1" = 30'
VERT.: 1" = 3'



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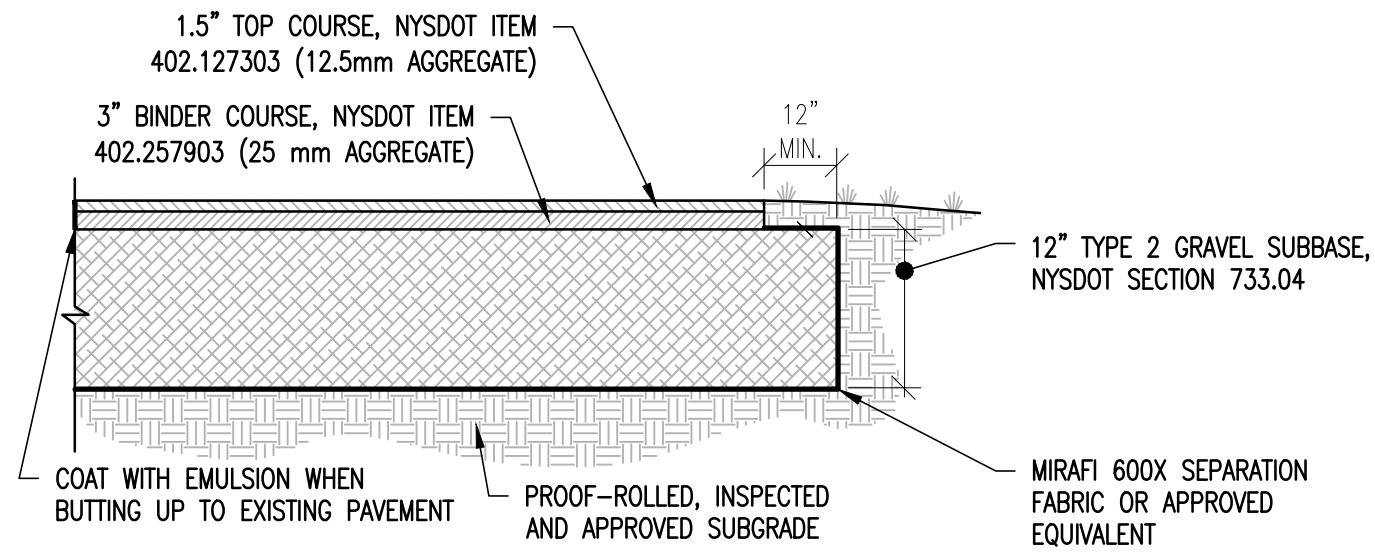
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Job No: EV #23533
Sheet Title:
UTILITY PROFILES
Sheet Number:
C301

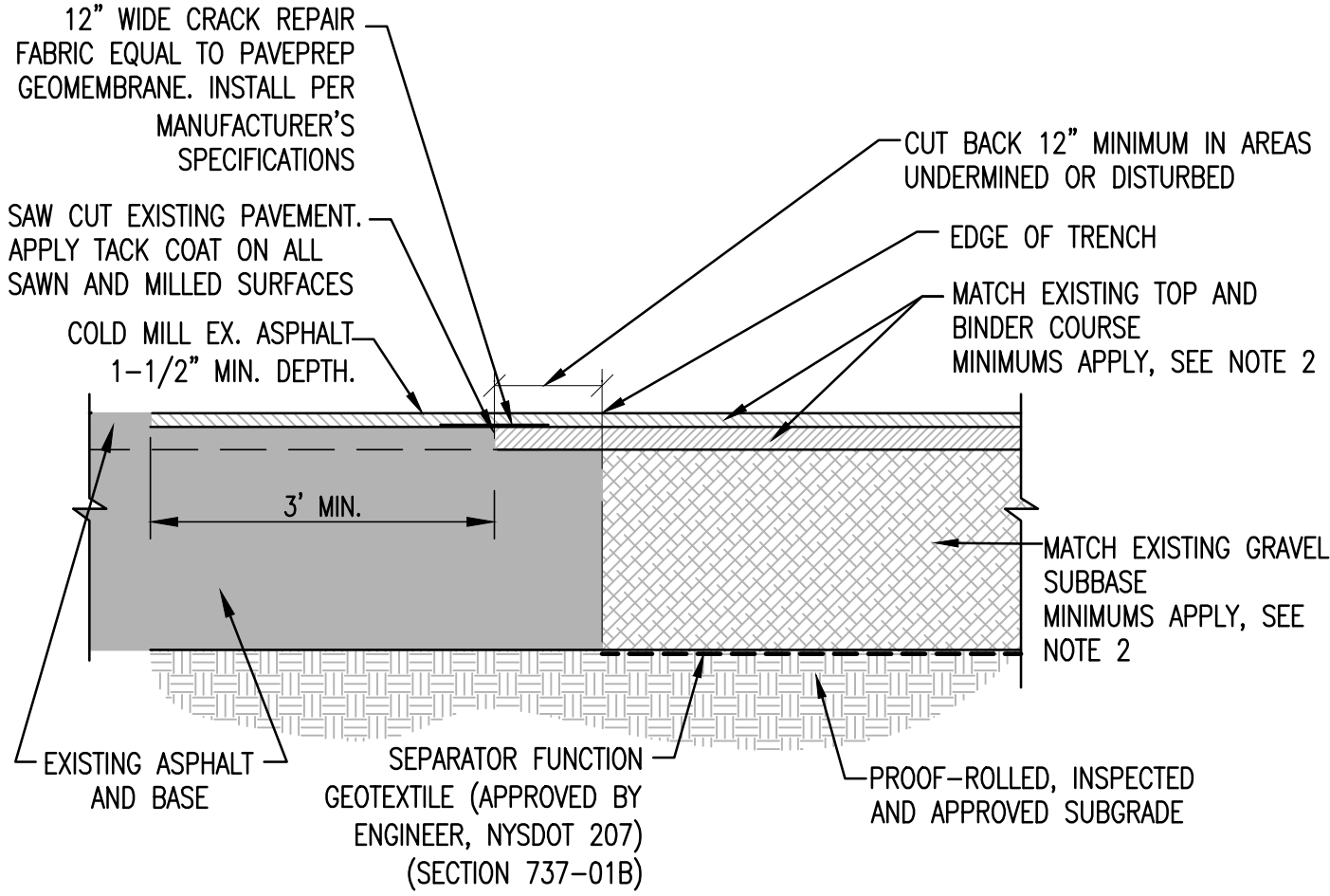
PLOT DATE: 2/9/2024 11:41:24 AM



- NOTES:**
1. REFER TO SITE/EARTHWORK SPECIFICATIONS FOR PREPARATION OF SUBGRADE, PLACEMENT OF FILL MATERIALS (INCLUDING GRAVEL SUBBASE), COMPACTION REQUIREMENTS, AND TESTING REQUIREMENTS.

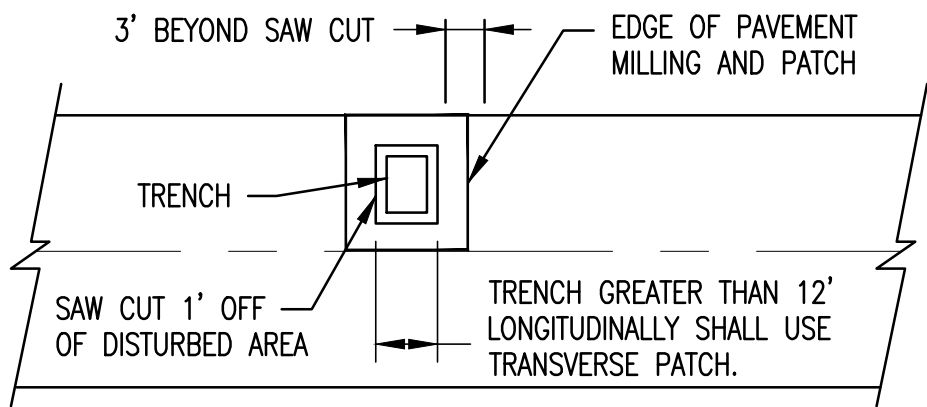
ASPHALT PAVEMENT DETAIL

NOT TO SCALE 1

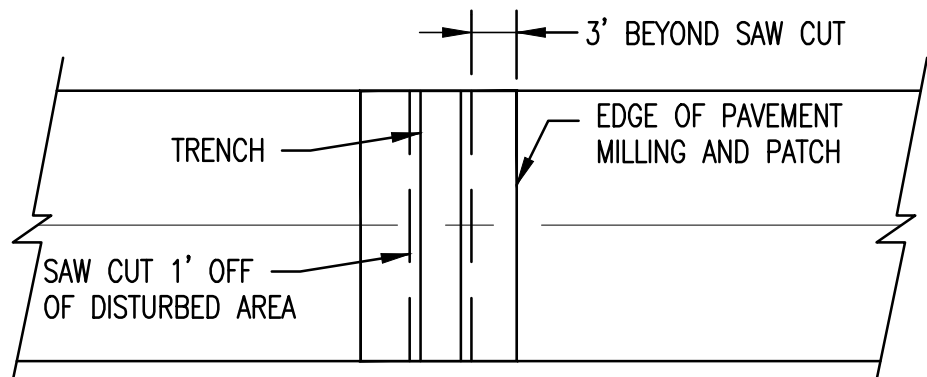


- NOTES:**
1. THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT AND BASE WILL BE CONNECTED TO EXISTING PAVEMENT AND BASE.
 2. MINIMUM THICKNESS OF TOP COURSE SHALL BE 1.5 INCHES. MINIMUM THICKNESS OF BINDER COURSE SHALL BE 3 INCHES. MINIMUM THICKNESS OF GRAVEL SUBBASE SHALL BE 12". SEE DETAIL 1 - ASPHALT PAVEMENT THIS SHEET FOR MATERIAL SPECIFICATIONS.

TRENCH CROSS SECTION DETAIL



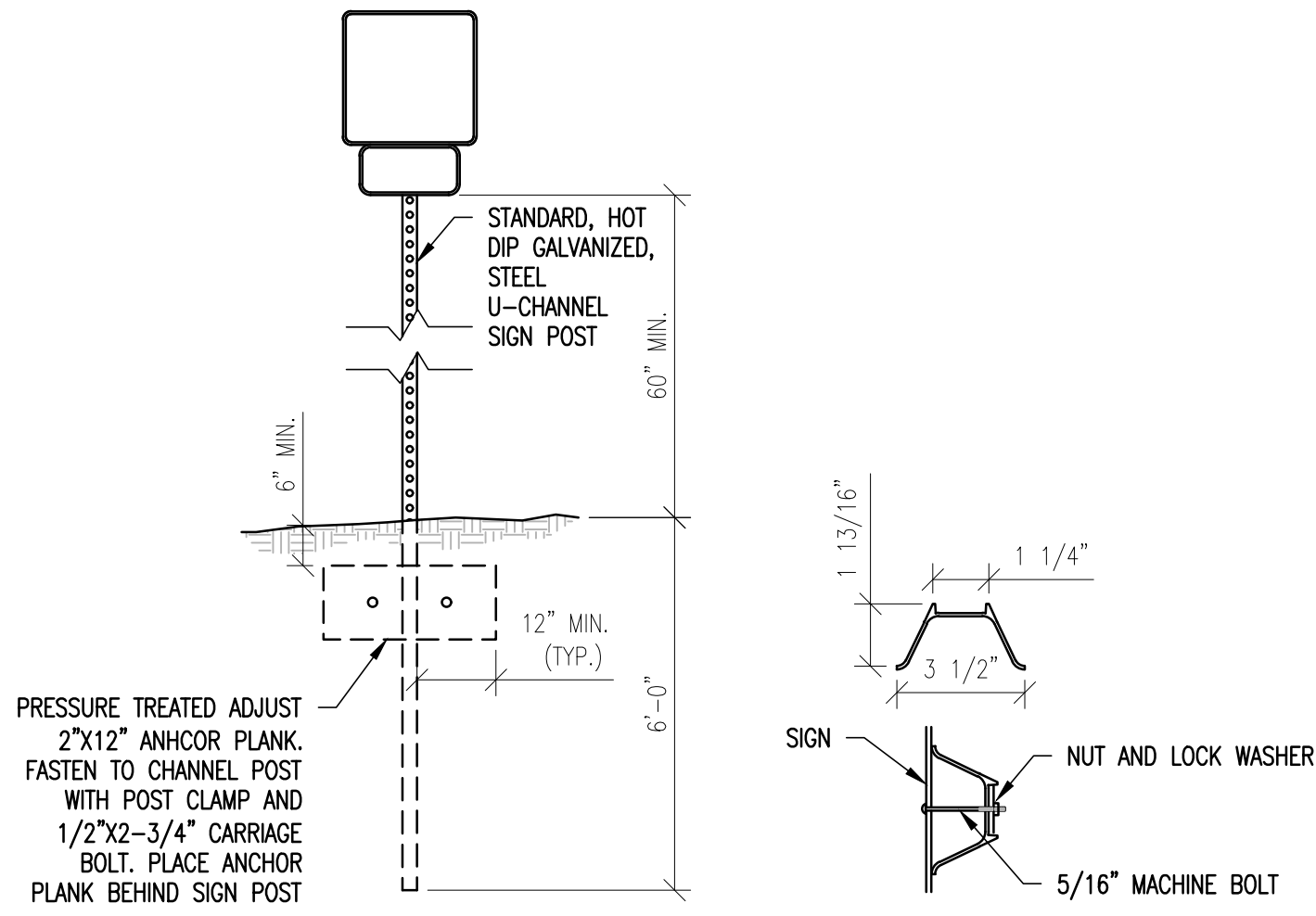
SINGLE LANE TRENCH PATCH



TRANSVERSE TRENCH PATCH

ASPHALT PAVEMENT TRENCH PATCH DETAIL

NOT TO SCALE 2

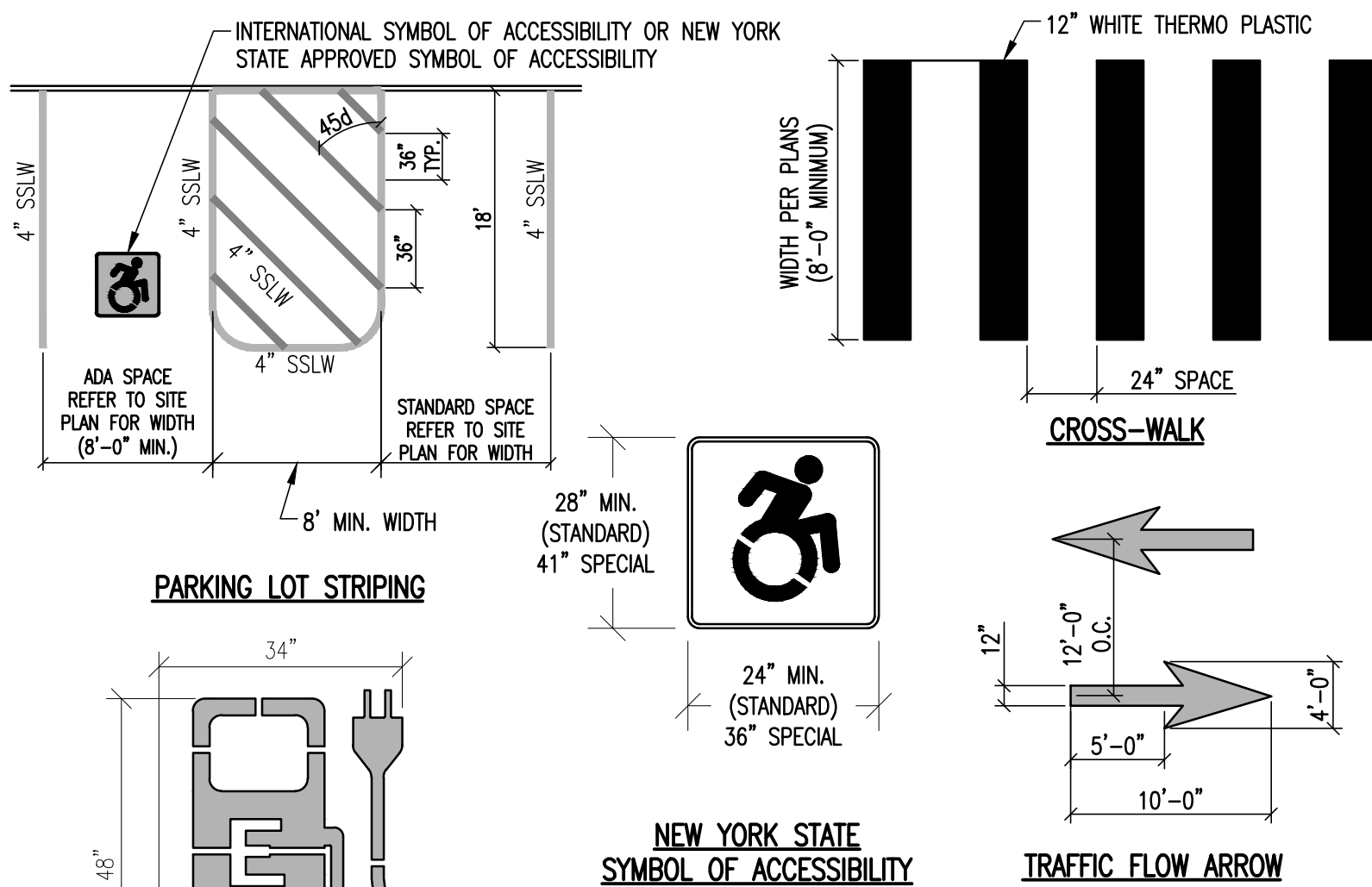


SIGN POST INSTALLATION

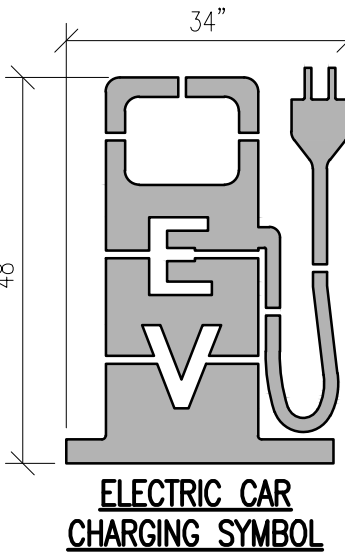
POST SECTION AND SIGN MOUNTING

SIGN DETAIL

NOT TO SCALE 3

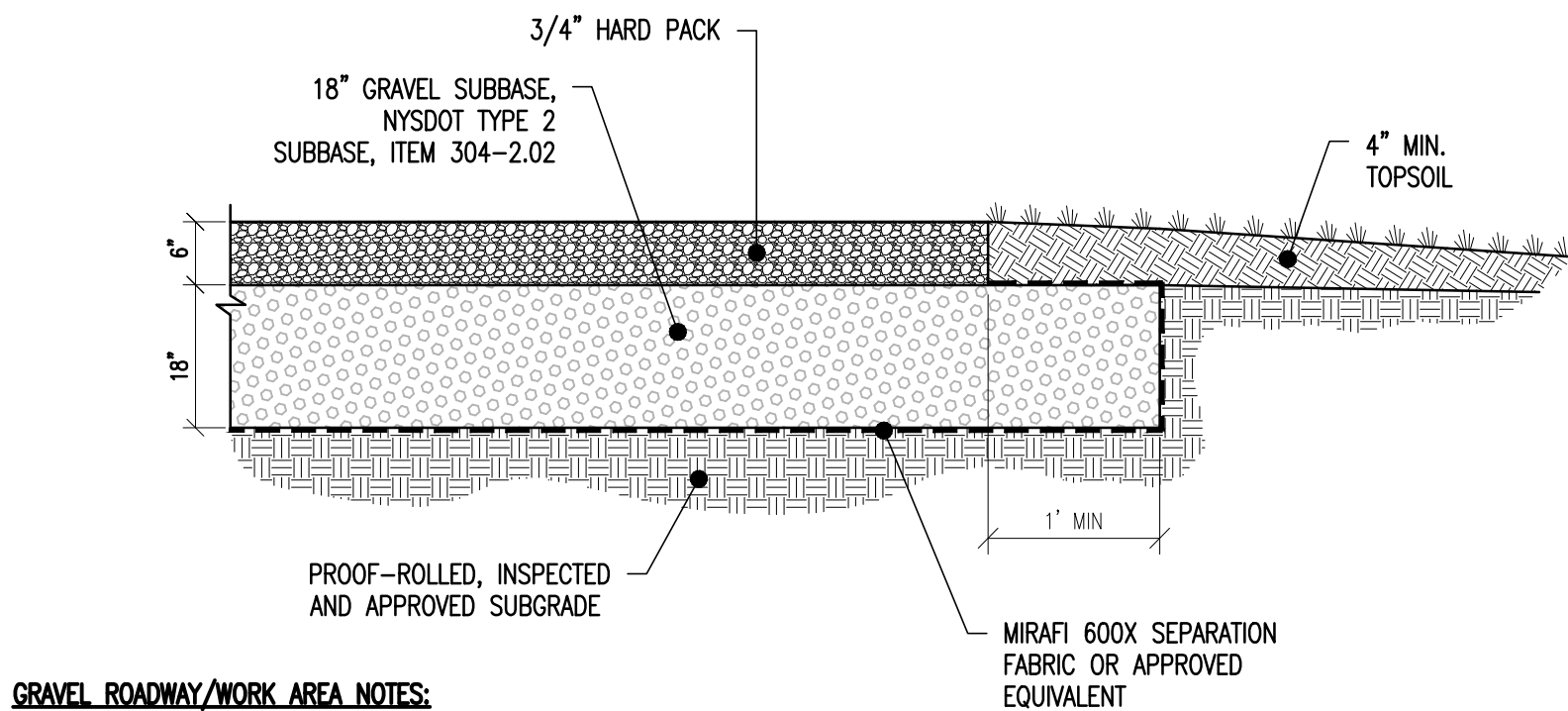


PARKING LOT STRIPING



PAVEMENT MARKINGS DETAIL

NOT TO SCALE 4

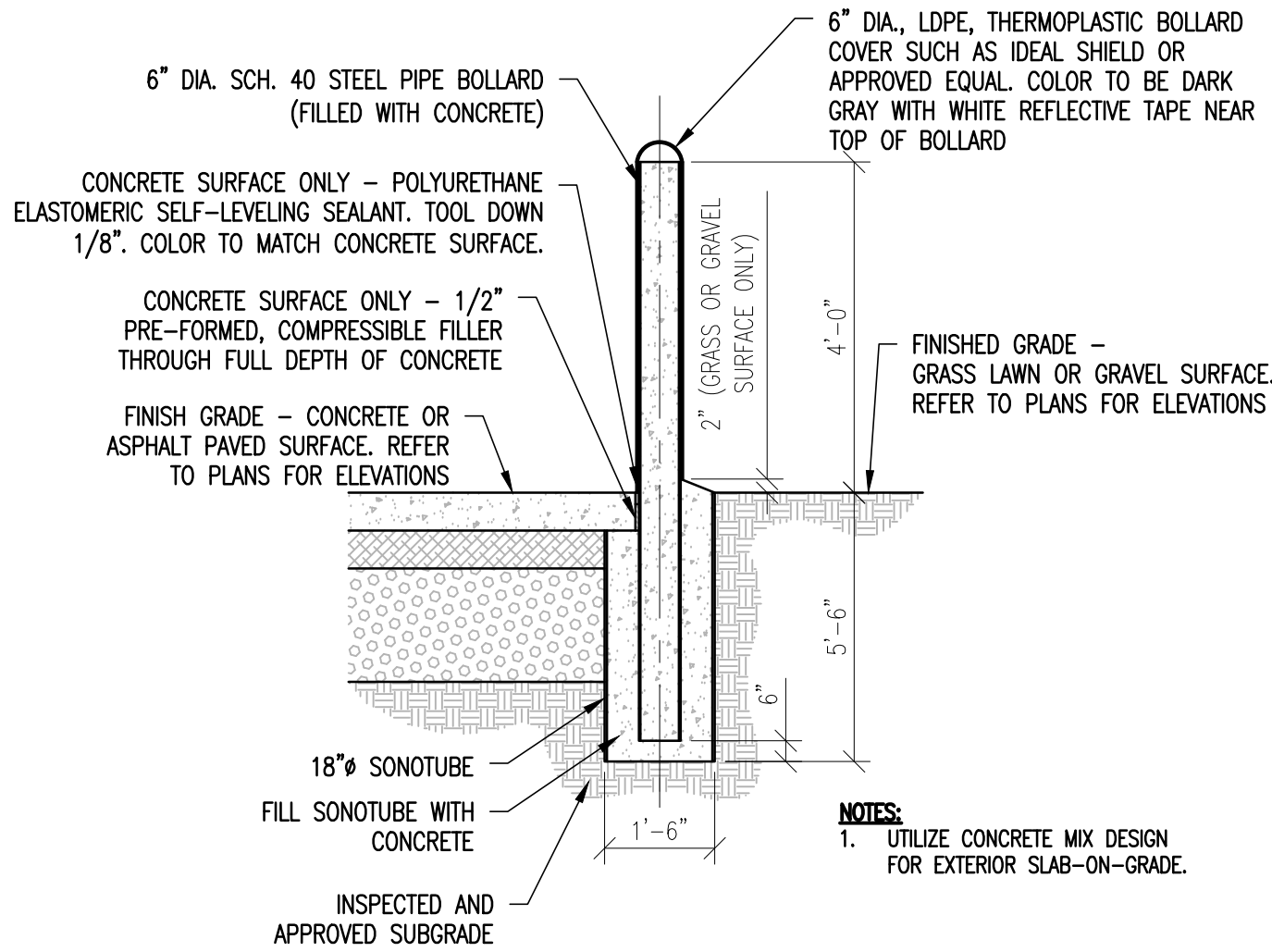


GRAVEL ROADWAY/WORK AREA NOTES:

1. SREFFER TO SITE/EARTHWORK SPECIFICATIONS FOR PREPARATION OF SUBGRADE, PLACEMENT OF FILL MATERIALS (INCLUDING GRAVEL SUBBASE AND HARD PACK), COMPACTION REQUIREMENTS, AND TESTING REQUIREMENTS.

GRAVEL YARD DETAIL

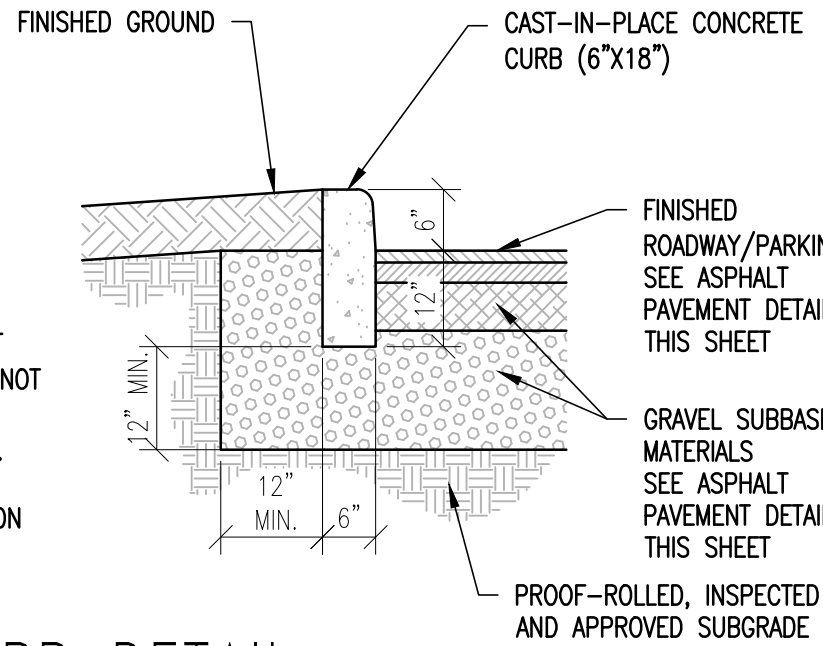
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SITE BOLLARD DETAIL

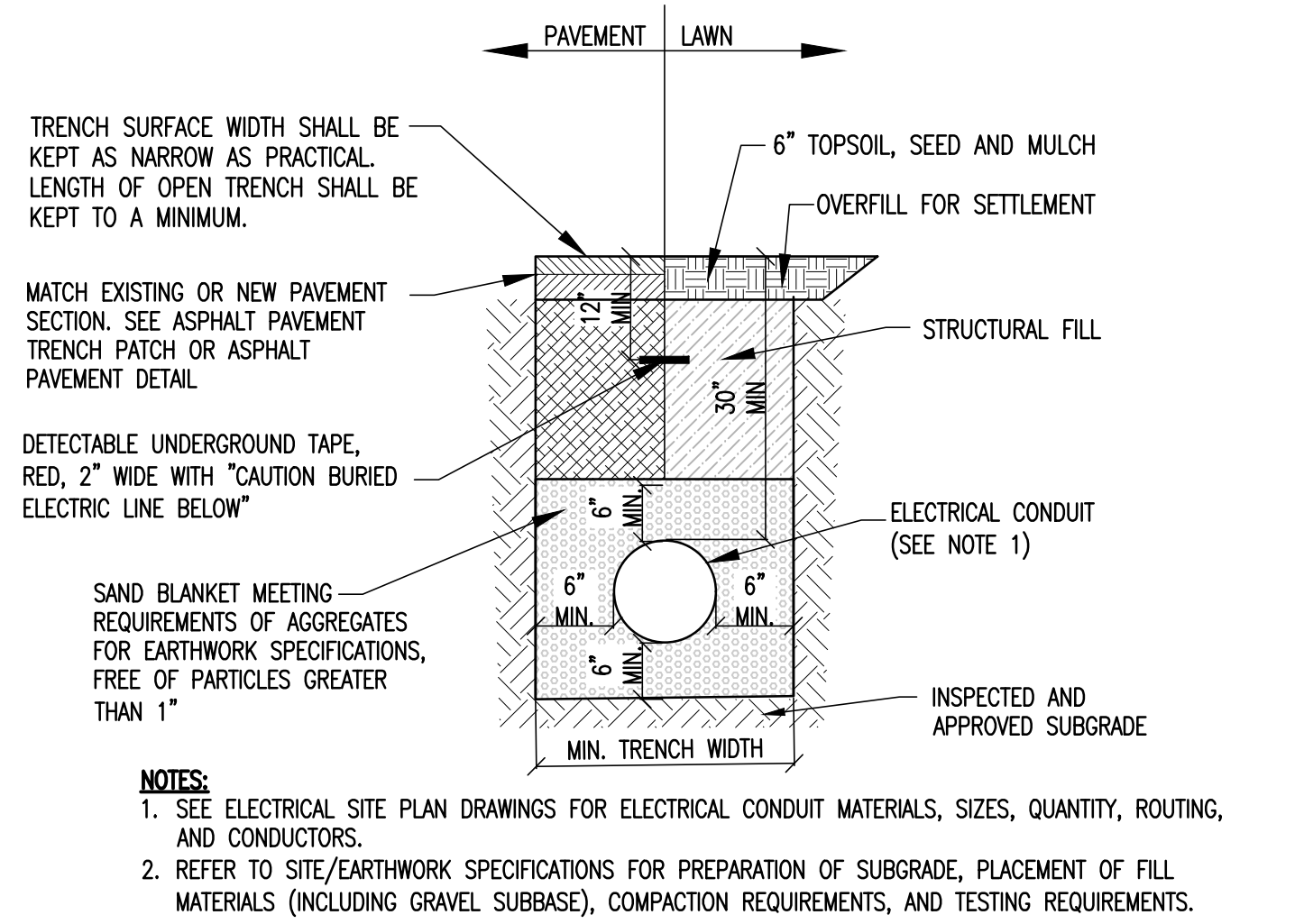
NOT TO SCALE 6

- NOTES:**
1. UTILIZE CONCRETE MIX DESIGN FOR EXTERIOR SLAB-ON-GRADE.
 2. PROVIDE EQUALLY SPACED CONTROL JOINTS AT SPACING AND PATTERN INDICATED ON PLANS (NOT TO EXCEED 10'-0").
 3. PROVIDE EXPANSION JOINT EVERY 20'-0" MAX.
 4. MAINTAIN CURB HEIGHT OF 18" FOR FULLY DEPRESSED CURB. ADJUST SUBGRADE ELEVATION TO MAINTAIN 12" MIN. GRAVEL SUBBASE.



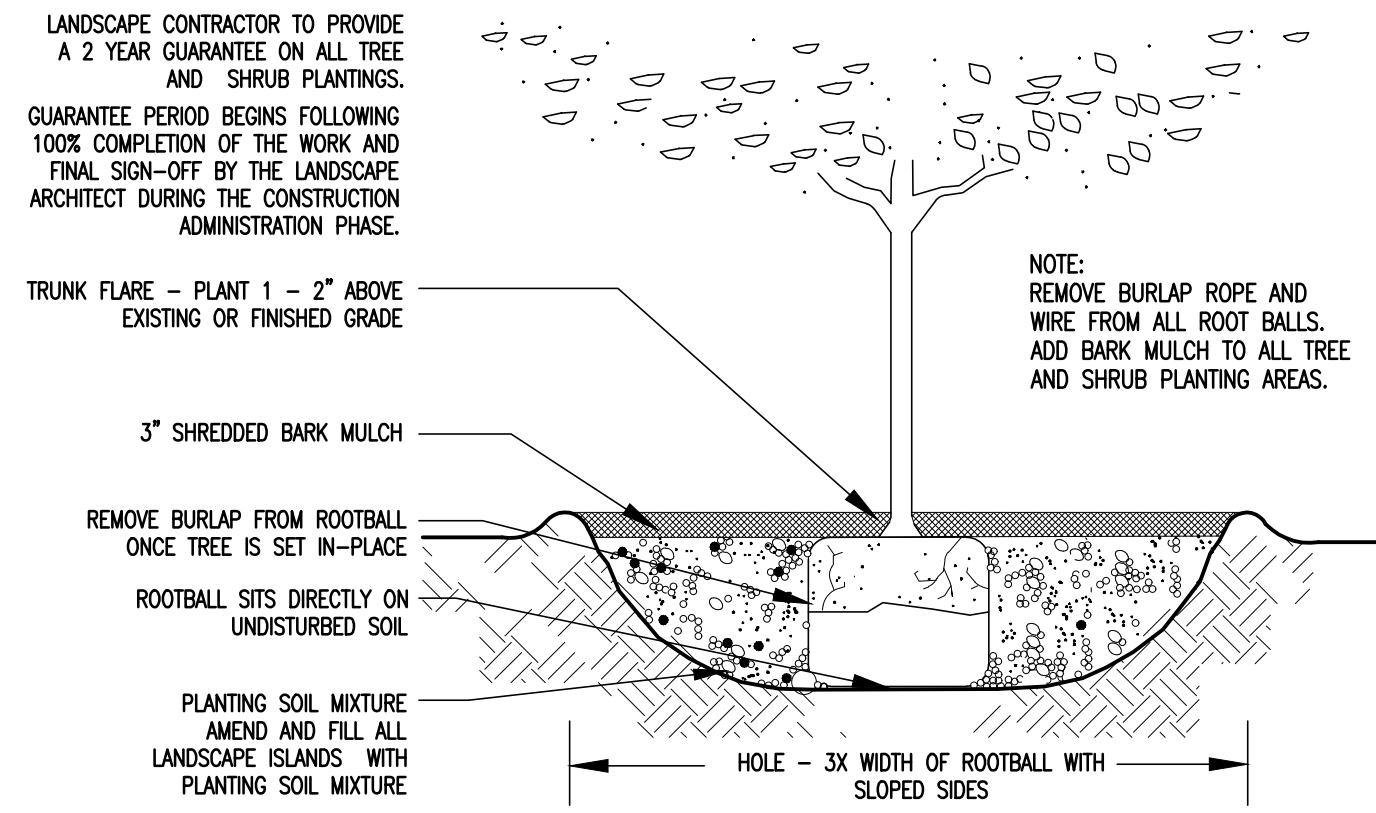
CONCRETE CURB DETAIL

NOT TO SCALE 7



TYPICAL UNDERGROUND CONDUIT DETAIL

NOT TO SCALE 8



TREE PLANTING DETAIL

NOT TO SCALE 9

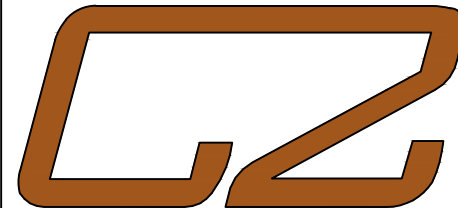
CONCRETE MIXTURE TABLE								
CONCRETE USAGE	MIN. COMPRESSIVE STRENGTH (f')	CONCRETE TYPE	EXPOSURE CLASSES	MAX. W/CM RATIO	PERMISSIBLE AIR CONTENT	REQUIRED CEMENT REPLACEMENT	MAX. AGGREGATE SIZE	ADDITIONAL REMARKS
SPREAD FOOTINGS	3,000 psi AT 56 DAYS	NWC	C0, F0	N/A	N/A	0 - 70%	1-1/2"	
FOUNDATION WALLS	4,000 psi AT 56 DAYS	NWC	C1, F1	0.45	4.5% MIN.	0 - 50%	1-1/2"	
EXTERIOR SLAB-ON-GRADE	4,500 psi AT 56 DAYS	NWC	C2, F2	0.40	5.5% MIN.	15 - 25%	1-1/2"	DO NOT POWER TROWEL

NOTES:

1. ALL CONCRETE SHALL BE CONSIDERED TO BE IN EXPOSURE CLASS FO, S0, P0, AND C0 ACCORDING TO ACI 318-08 UNLESS OTHERWISE NOTED IN TABLE ABOVE, IN NOTES BELOW, OR ELSEWHERE ON THE STRUCTURAL DRAWINGS.
2. THE REQUIREMENTS FOR VARIOUS EXPOSURE CLASSES RELATIVE TO CEMENT TYPE, AIR ENTRAINMENT REQUIREMENTS, CHLORIDE ION LIMITS AND POZZOLAN LIMITS.
3. FOR SLAB, COORDINATE AND PROVIDE MIX DESIGNS MEETING MAXIMUM CEMENT CONTENT FOR AGGREGATE SIZE TO COMPLY WITH TABLE 8.4.1B OF ACI 302-15.
4. WHERE INDICATED IN THE "ADDITIONAL REMARKS" ABOVE, CONCRETE SHALL BE PROPORTIONED FOR A MAXIMUM ALLOWABLE UNIT SHRINKAGE OF 0.035% MEASURED 28 DAYS AFTER CURING IN LIME WAS AS DETERMINED BY ASTM C157, USING AIR STORAGE.

CONCRETE MIX DESIGN

NOT TO SCALE 10



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NEW CONSTRUCTION
FOR:

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OFFICE & WAREHOUSE**

Airport Road

Town of Glenville, NY

No.	REVISION #	DATE:

Drawn By: Engineering Ventures

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Date: 2/12/2024

Job No: EV #23533

Sheet Title:

SITE DETAILS (1 OF 2)

Sheet Number:

C501

PLOT DATE: 2/8/2024 5:00:23 PM

No.	REVISION #	DATE:

Drawn By:	Engineering Ventures
Scale:	As Noted
Date:	2/12/2024
Job No:	EV #23533
Sheet Title:	SITE DETAILS (2 OF 2)
Sheet Number:	C502

SITE/EARTHWORK SPECIFICATIONS

- PRIOR TO THE START OF THE WORK, A PRE-CONSTRUCTION MEETING WILL BE HELD WITH THE CONTRACTOR, OWNER, AND PROJECT ENGINEER TO REVIEW PROCEDURES, AND IDENTIFY RESPONSIBILITIES. UNLESS STATED OTHERWISE, ALL MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE NEW YORK STATE SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
- CLEARING AND GRUBBING-- REMOVE ALL VEGETATION, TOPSOIL, ROCKS LARGER THAN 6 INCHES IN DIAMETER, AND ANY OTHER UNSUITABLE MATERIALS FROM THE CUT AND FILL AREAS.
- ANY FILL REQUIRED TO ESTABLISH FINAL GRADES OR SUBGRADES SHALL BE MADE USING APPROVED ONSITE MATERIALS (NATIVE FILL) OR IMPORTED STRUCTURAL FILL. EXCAVATED NATIVE FILL INTENDED TO BE USED AS BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF STRUCTURAL FILL. THE CONTRACTOR SHALL SUBMIT LABORATORY GRADATION ANALYSIS FOR NATIVE FILL FOR APPROVAL. NATIVE FILL NOT MEETING THE REQUIREMENTS OF STRUCTURAL FILL SHALL BE PROMPTLY REMOVED FROM THE SITE.
- ALL SITE AREAS NOT RECEIVING HARDSCAPE FEATURES, LANDSCAPING BEDS, GRAVEL SURFACES OR PAVEMENTS SHALL BE RECEIVE A MINIMUM OF 4 INCHES OF TOPSOIL, SEEDED AND MULCHED.
- THE SEEDING OF SLOPES EXCEEDING 3:1 AND DITCHES SHALL REQUIRE THE USE OF EROSION CONTROL MATTING AS SPECIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN DETAILS.
- COST OF INITIAL INSPECTION AND TESTING SHALL BE PAID BY THE OWNER. SUBSEQUENT TESTING OF MATERIALS NOT PASSING INITIAL INSPECTION, SHALL BE PAID BY THE CONTRACTOR.
- FOLLOWING REMOVAL OF VEGETATION AND TOPSOIL, THE EXPOSED SUBGRADE SHALL BE PROOF-ROLLED. PROOF-ROLLING SHALL BE WITNESSED BY A GEOTECHNICAL ENGINEER RETAINED BY THE CONTRACTOR. PROOF-ROLLING SHALL BE PERFORMED IN OVERLAPPING PASSES AND IN MUTUALLY PERPENDICULAR DIRECTION USING A COMPACTION ROLLER WITH MINIMUM SUBGRADE LOADING OF 10 TONS OPERATED IN A STATIC MODE. PROOF ROLLING WITHIN 10 FEET OF ANY EXISTING STRUCTURES SHALL BE PERFORMED USING PORTABLE WALK BEHIND EQUIPMENT.
- IF THE PROOF ROLL IDENTIFIES SUBGRADE MATERIALS THAT ARE WET, LOOSE, OR DISTURBED, THEY SHALL BE REMOVED BEFORE PLACING BASE MATERIALS OR CONCRETE AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. SOME REMOVAL SHOULD BE EXPECTED. REMOVED MATERIALS SHOULD BE REPLACED WITH IMPORTED STRUCTURAL FILL, CONFORMING TO THE GRADATION LIMITS OF NOTE 12 AND COMPACTED AS DESCRIBED IN NOTE 9.
- ALL FILL MATERIALS, INCLUDING NATIVE FILL, SAND BLANKET, GRAVEL SUBBASE, AND IMPORTED STRUCTURAL FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES LOOSE THICKNESS AND COMPACTED TO A DRY DENSITY OF AT LEAST 95 PERCENT OF THE MATERIAL'S MAXIMUM DRY DENSITY AS IT IS DEFINED BY THE MODIFIED PROCTOR COMPACTION TEST, ASTM DESIGNATION D-1557. #2 STONE SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES THICKNESS AND COMPACTED TO ENCOURAGE INTERLOCKING OF STONE TO LIMIT SETTLEMENT. TOPSOIL SHALL BE PLACED IN LIFTS NOT EXCEEDING 6 INCHES LOOSE THICKNESS AND COMPACTED TO A DRY DENSITY OF AT LEAST 90 PERCENT OF THE MATERIAL'S MAXIMUM DRY DENSITY AS IT IS DEFINED BY THE MODIFIED PROCTOR COMPACTION TEST, ASTM DESIGNATION D-1557.
- COMPACTION TESTING SHALL BE PERFORMED FOR EVERY LAYER OF MATERIAL PLACED AND FOR EVERY 500 SQUARE FEET OF AREA AND EVERY 100 LINEAR FEET OF UTILITY TRENCH. PERFORM A MINIMUM OF THREE TESTS PER LIFT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPACTION TESTING.
- UNLESS OTHERWISE NOTED, ASSUME CLASS "C" SOILS. PERFORM ALL EXCAVATIONS TO OSHA REQUIREMENTS.
- ALL EARTHWORK MATERIALS SHALL BE OBTAINED FROM APPROVED SOURCES. THEY SHALL CONSIST OF SATISFACTORILY GRADED, FREE DRAINING MATERIAL, REASONABLY FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIAL. EARTHWORK MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING TABLES:

A. SAND BLANKET/BEDDING:

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
2 INCHES	100
1 1/2 INCHES	90-100
1/2 INCH	70-100
NO. 4	60-100
NO. 100	0-20
NO. 200	0-8

B. GRAVEL SUBBASE: NYSDOT SECTION 304-2.02, TYPE 2:

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
2 INCH	100
1/4 INCHES	25 - 60
NO. 40	5 - 40
NO. 200	0 - 10

C. STRUCTURAL FILL:

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
4 INCH	100
1/4 INCH	90-100
NO. 40	50 - 95
NO. 200	0 - 10

D. #2 STONE:

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
1 1/2 INCHES	100
1 INCH	0 - 70
1/2 INCH	0 - 15

E. LIGHT STONE FILL (RIP RAP):

STONE SIZE	PERCENT OF TOTAL BY WEIGHT
LIGHTER THAN 100 LBS	90 - 100
LARGER THAN 6 INCHES	0 - 70
SMALLER THAN 1/2 INCHES	0 - 15

F. TOPSOIL:

TOPSOIL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE SPECIFICALLY STATED IN THE CONTRACT DOCUMENTS.

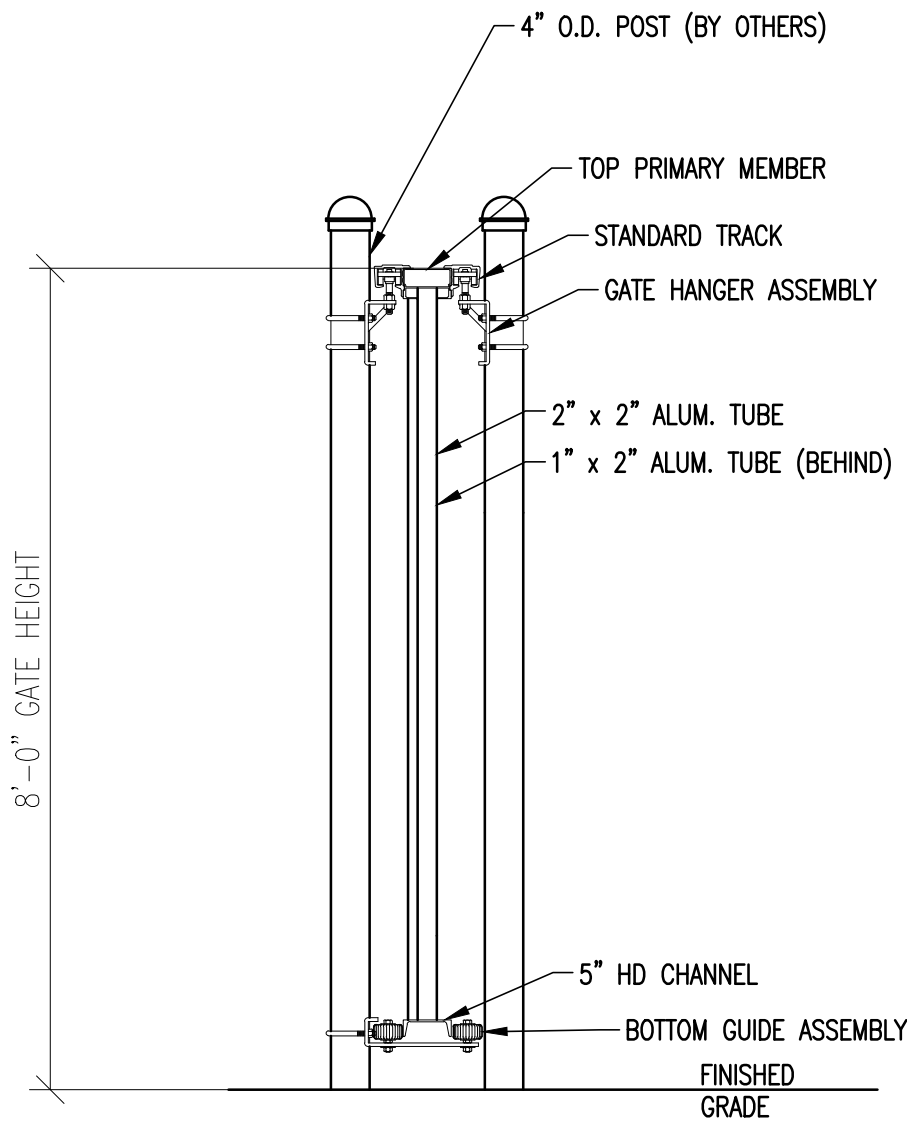
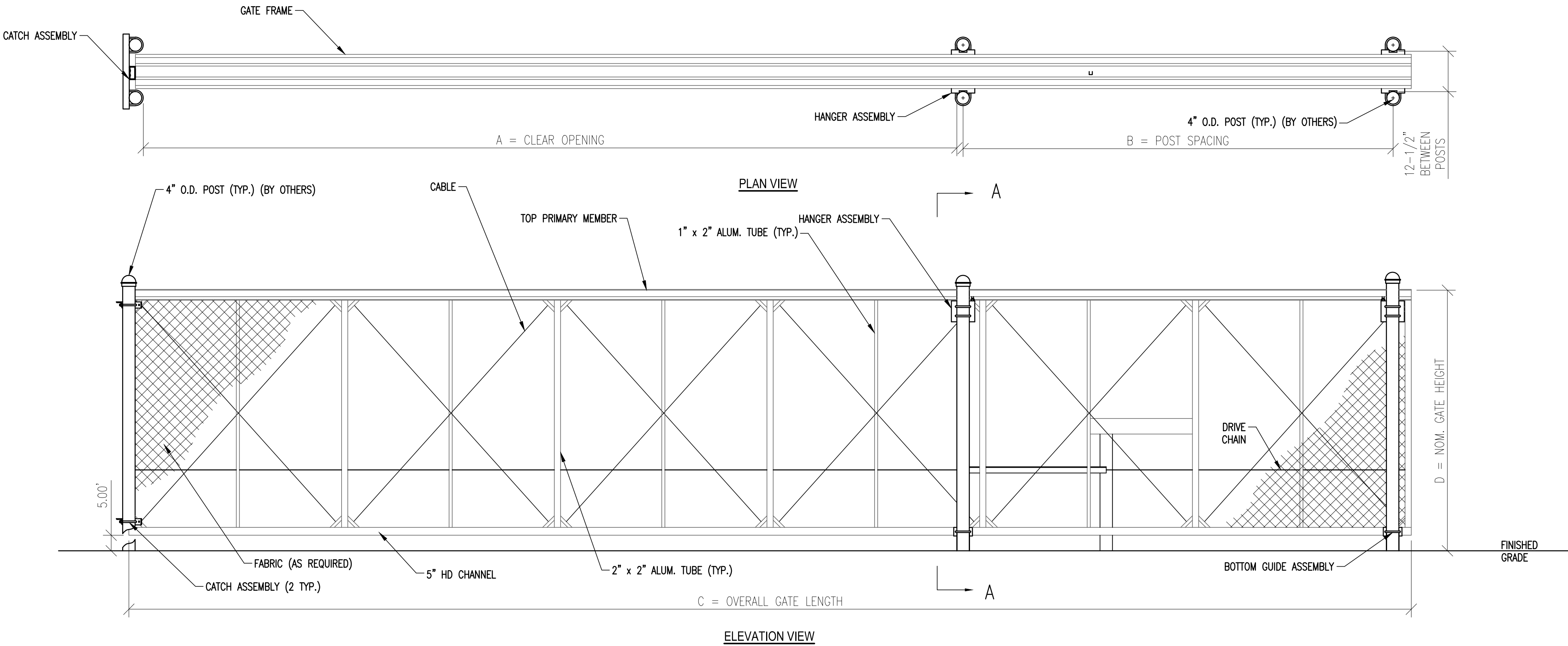
- THE pH OF THE MATERIAL SHALL BE BETWEEN 5.5 AND 7.6.
- THE ORGANIC CONTENT SHALL BE NOT LESS THAN 2% NOR MORE THAN 20%.
- GRADATION:

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
2 INCHES	100
1 INCH	85 - 100
1/4 INCH	65 - 100
NO. 200	20 - 80

THE CONTRACTOR MAY AMEND NATURAL TOPSOIL WITH APPROVED MATERIALS AND BY APPROVED METHODS TO MEET THE ABOVE SPECIFICATIONS.

G. ROCK EXCAVATION:

SITE ROCK AND TRENCH ROCK EXCAVATION SHALL BE DEFINED AS A SOLID MINERAL MATERIAL WITH A VOLUME IN EXCESS OF 2 CY



NOTES:

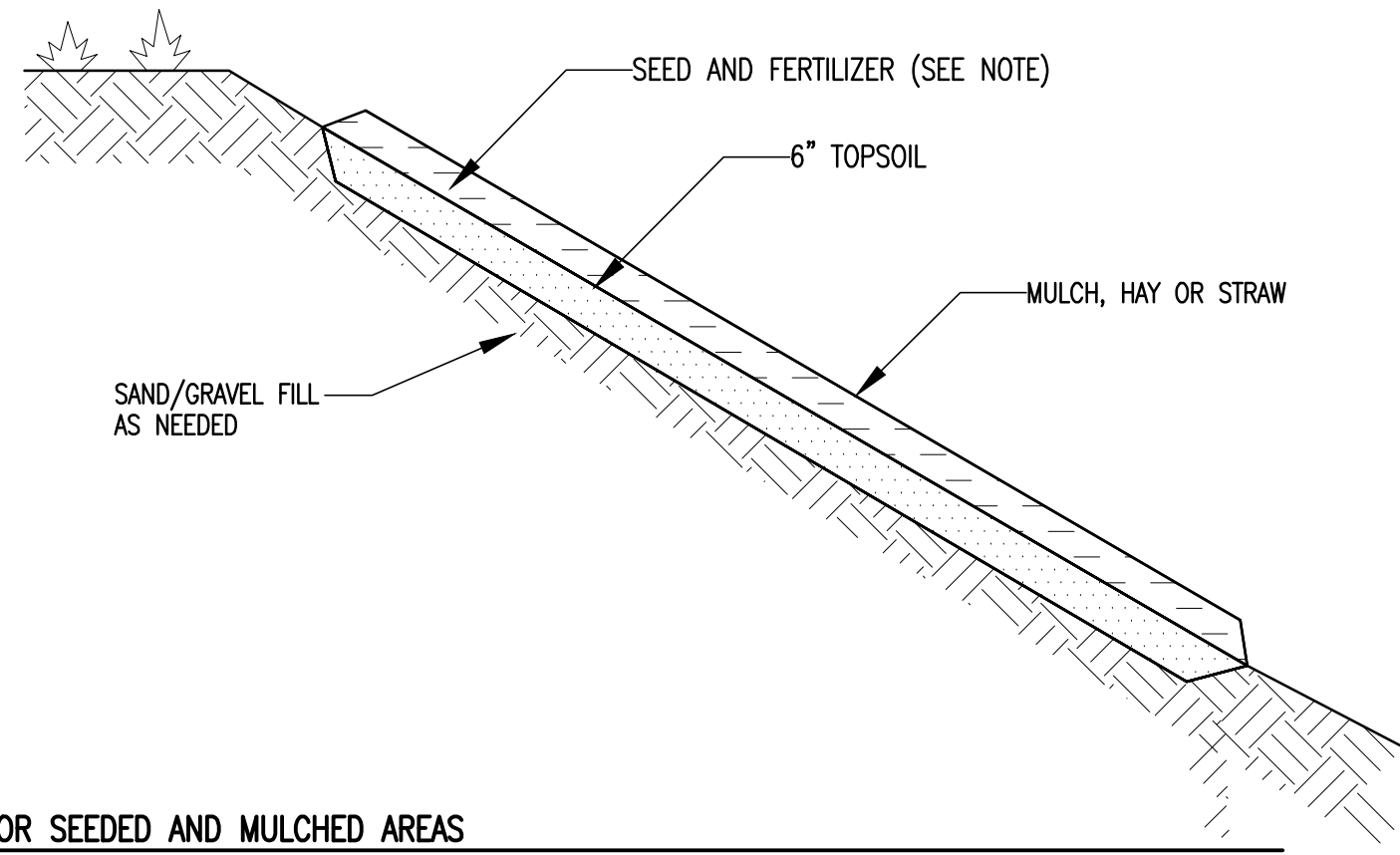
- MANUAL SLIDING GATE SHALL BE FORTRESS STRUCTURAL CANTILEVER SLIDE GATE BY TYMETAL CORP. (www.tymetal.com)
- SEE SITE PLAN FOR GATE LOCATIONS.
- 30 FOOT GATE:
 - CLEAR OPENING (A) = 30'-0"
 - POST SPACING (B) = 14'-1"
 - OVERALL LENGTH (C) = 45'-0"
 - NOMINAL GATE HEIGHT (D) = 8'-0"
- 18 FOOT GATE:
 - CLEAR OPENING (A) = 18'-0"
 - POST SPACING (B) = 8'-1"
 - OVERALL LENGTH (C) = 27'-0"
 - NOMINAL GATE HEIGHT (D) = 8'-0"

A-A SECTION VIEW

TYMETAL FORTRESS STRUCTURAL CANTILEVER GATE SYSTEM

NOT TO SCALE

1



NOTES FOR SEEDED AND MULCHED AREAS

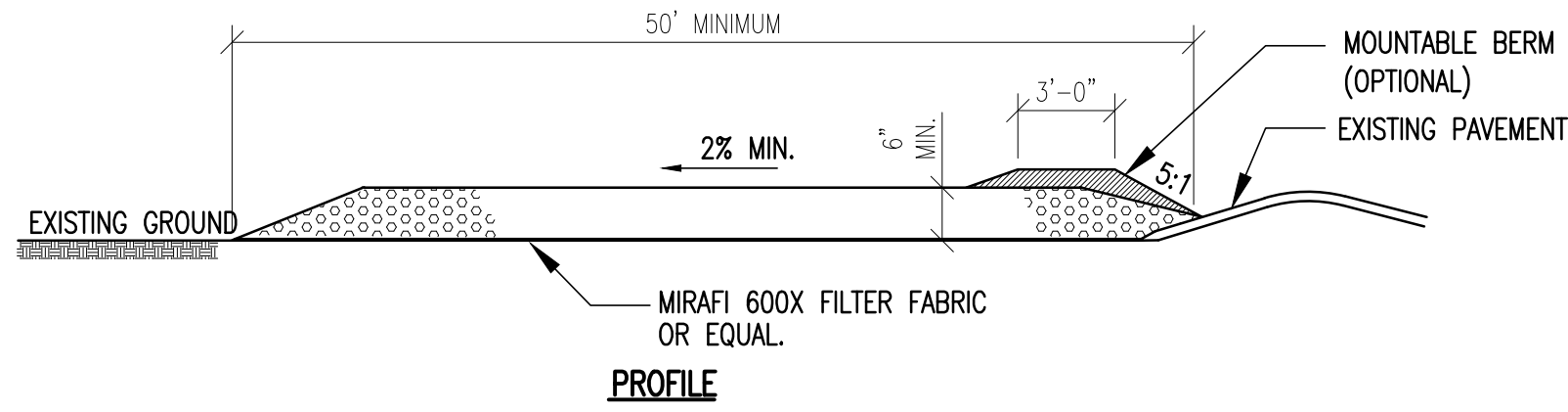
- MULCH: HAY OR STRAW MAY BE UTILIZED AND SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE.
- SEED: SHALL BE OF THE FOLLOWING MIXTURE
KENTUCKY BLUE GRASS -----20 POUNDS / ACRE
CREEPING RED FESCUE -----20 POUNDS / ACRE
RYE GRASS -----5 POUNDS / ACRE
- COVER SEED WITH $\frac{1}{4}$ INCH SOIL UNLESS A HYDROSEEDER IS USED.
- MULCH ANCHORING: SHALL BE ACCOMPLISHED BY DEGRADABLE MULCH NETTING. USE WHEN SLOPES ARE GREATER THAN 10%.
- TOPSOIL AND MULCHING NOT TO BE APPLIED IN AREAS OF TRAVEL WAYS.
- SEEDING AND MULCHING OF DISTURBED AREAS SHALL TAKE PLACE WITHIN 48 HOURS OF FINAL GRADING.

FERTILIZER- 10 LBS. PER 1000S.F.
SPRING SEEDING
FALL SEEDING
LIME- 90 LBS. PER 1000S.F.
DOLOMITIC GROUND LIMESTONE
NOT LESS THAN 85% OF THE TOTAL
CARBONATE
TOP SOIL
6\"/>

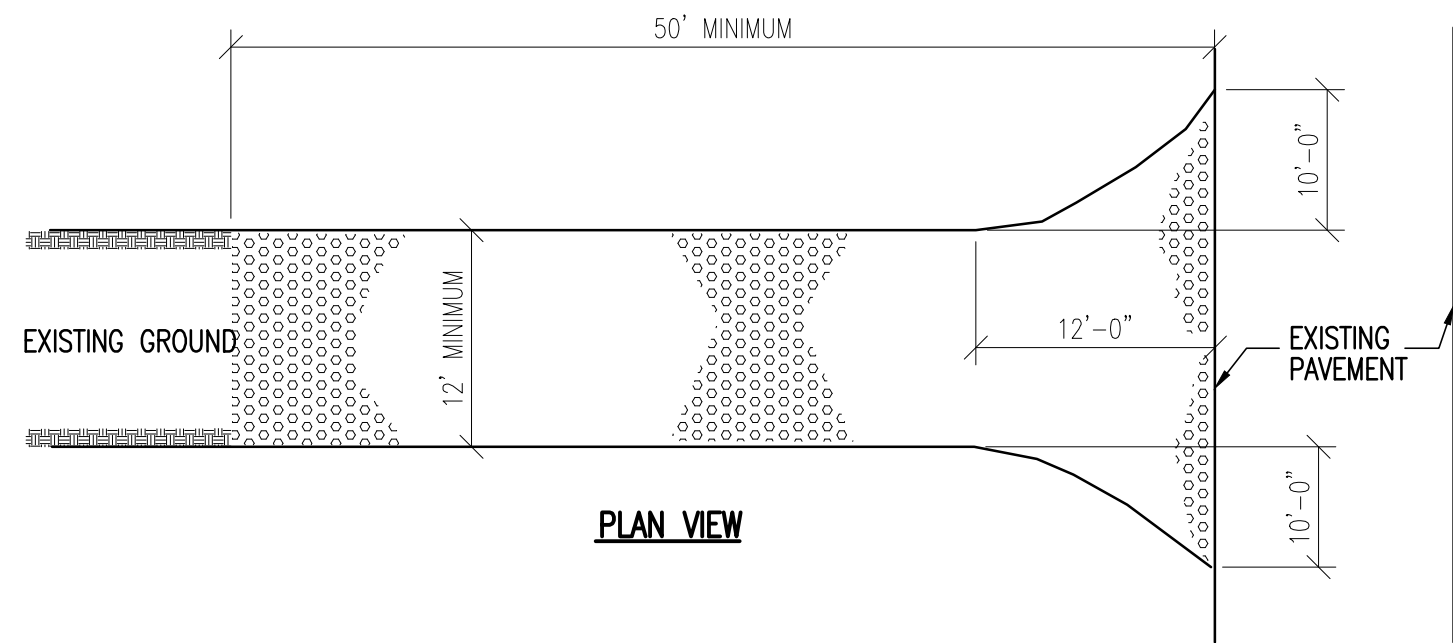
SEED AND MULCHED AREAS DETAIL

NOT TO SCALE

1



PROFILE



PLAN VIEW

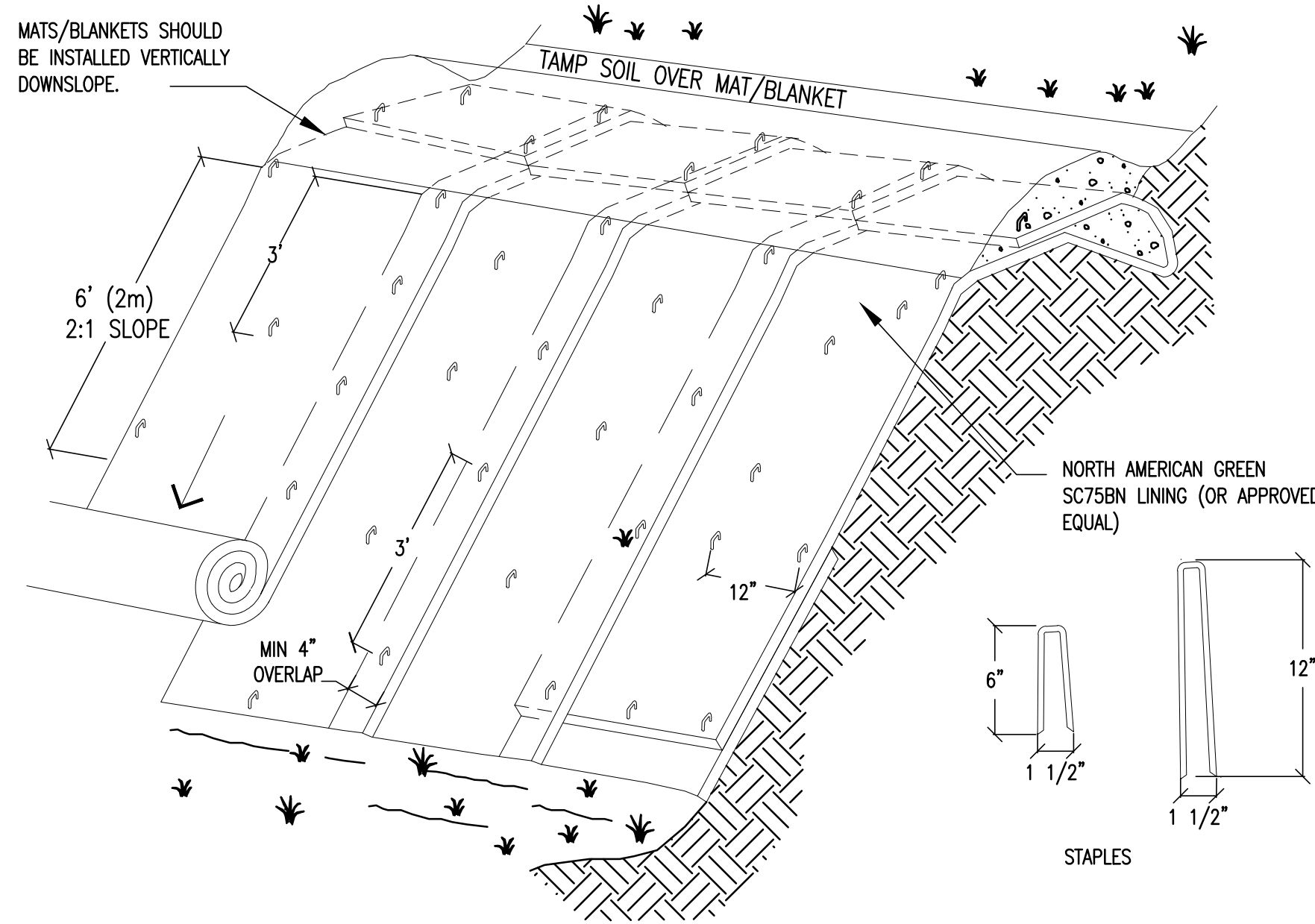
STABILIZED CONSTRUCTION ENTRANCE NOTES:

- STONE SIZE: USE 1-1/2" CRUSHED STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED ACROSS THE ENTRANCE.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
- WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION ACCESS DETAIL

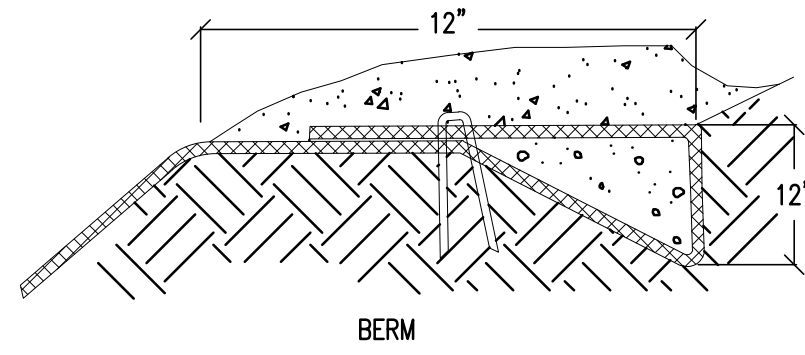
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EROSION CONTROL MATTING NOTES:

- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
- APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
- LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

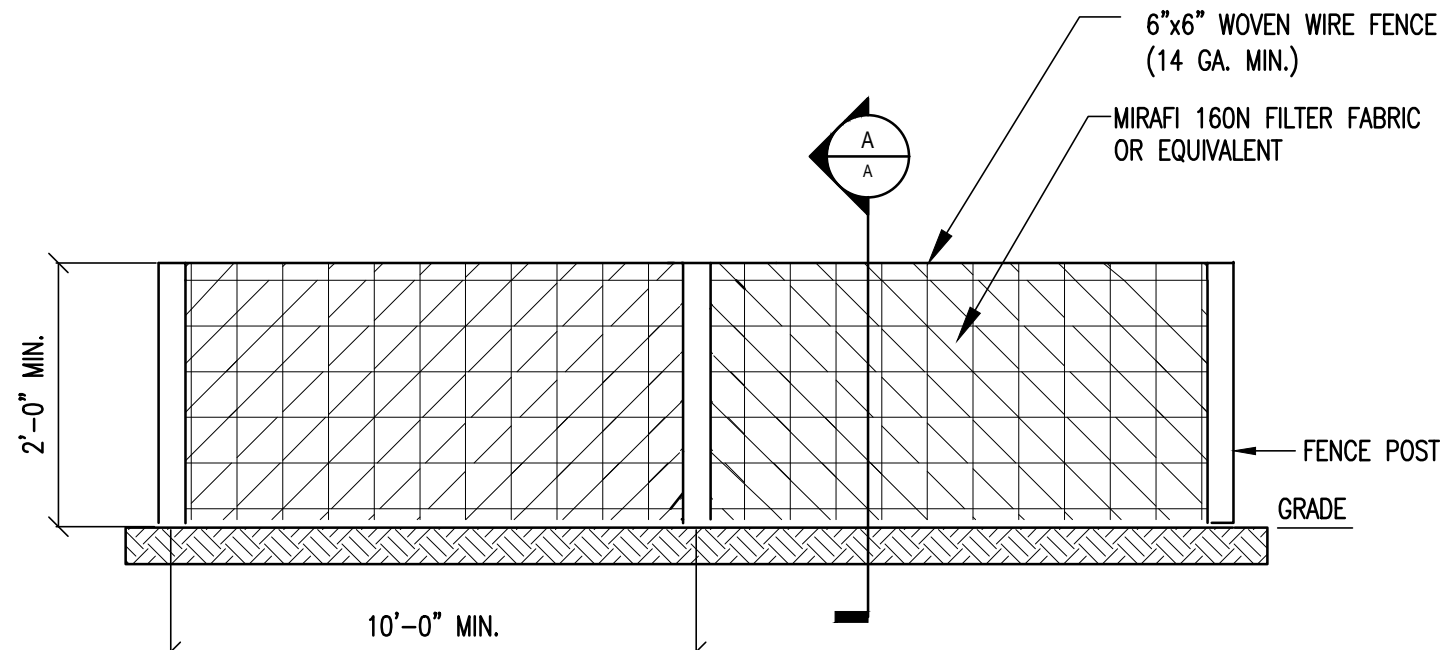


BERM

EROSION CONTROL MATTING DETAIL

NOT TO SCALE

3



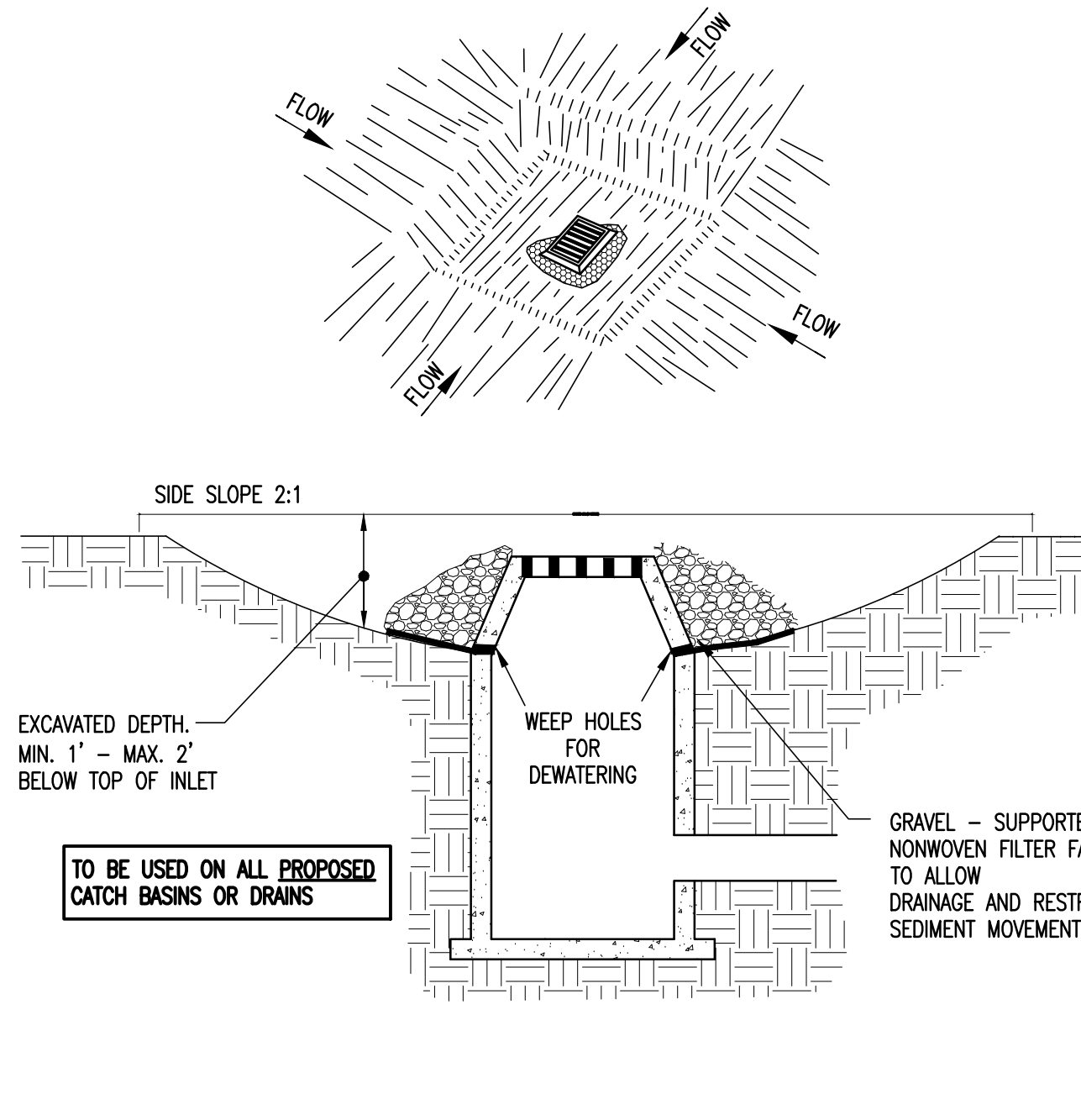
SILT FENCE NOTES:

- SILT FENCE SHALL BE PRE-FABRICATED EROSION CONTROL FENCE BY MIRAFI OR EQUAL, OR CONSTRUCTED IN PLACE AS SPECIFIED HEREIN.
- CONSTRUCTED IN PLACE SILT FENCE:
 - WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE TIES SPACED EVERY 24" AT TOP OF MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6", FOLDED AND STAPLED.
- INSPECTION SHALL BE FREQUENT (MINIMUM ONCE A WEEK AND AFTER EVERY RAINFALL). MAINTENANCE SHALL BE PERFORMED AS NEEDED, AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN SILT FENCE.

SILT FENCE DETAIL

NOT TO SCALE

4



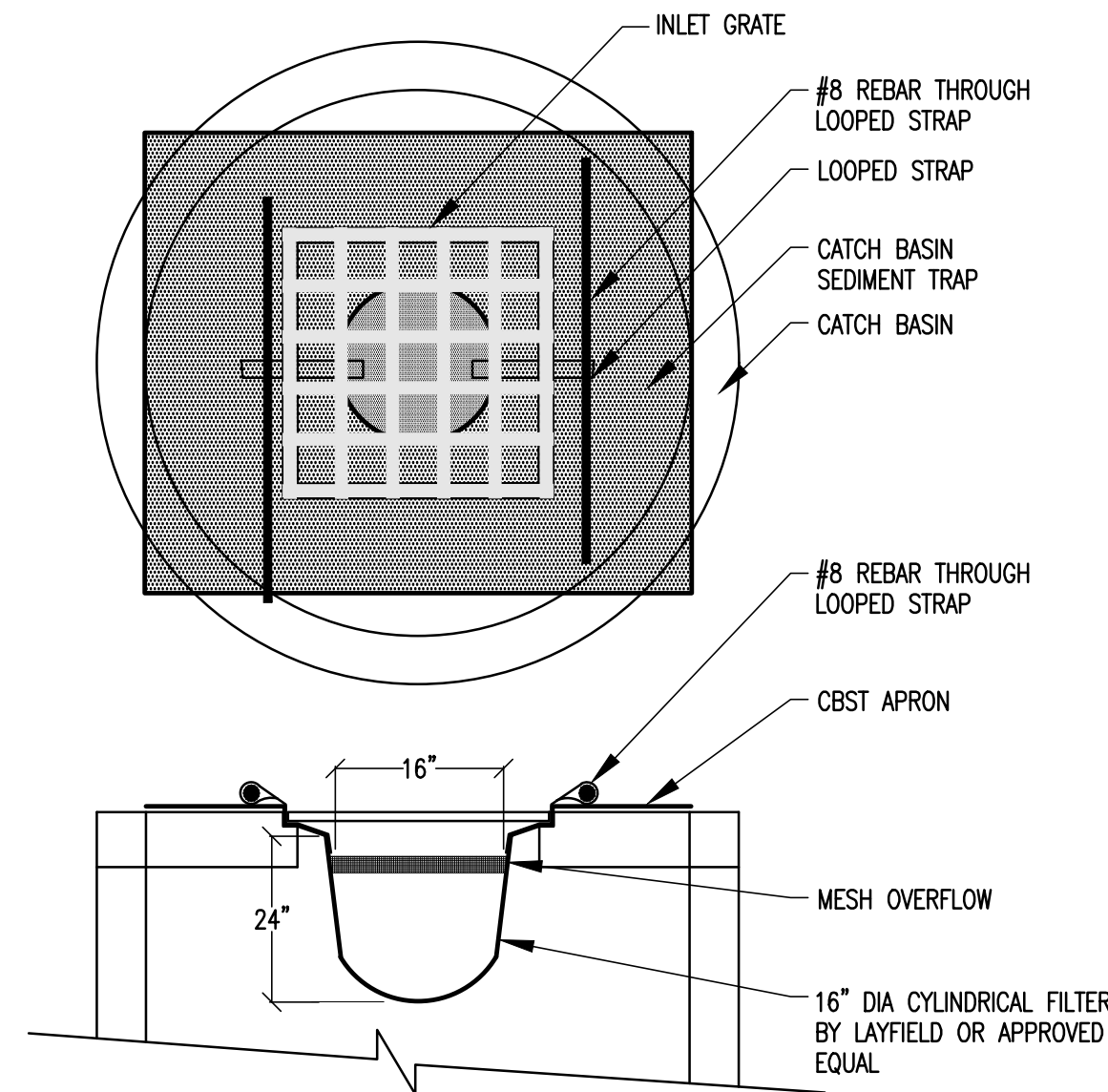
CONSTRUCTION SPECIFICATIONS

- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
- GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
- WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
- UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.
- GRAVEL BAGS, GRATE GUARDS, FILTREXX OR SEDIGUARD INLET PROTECTION DEVICES MAY BE USED. SUBMIT PRODUCT INFORMATION TO ENGINEER FOR REVIEW PRIOR TO USE. INSTALL PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE LATEST EDITION OF THE NY EPSC STANDARDS AND SPECIFICATIONS.

EXCAVATED INLET PROTECTION DETAIL

NOT TO SCALE

5



FABRIC INLET PROTECTION DETAIL

NOT TO SCALE

6

WINTER CONSTRUCTION STANDARDS AND EROSION AND SEDIMENT CONTROL MEASURES APPLY TO ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN OCTOBER 15TH TO THE FOLLOWING APRIL 1ST.

WINTER CONSTRUCTION PROCEDURES

- DURING WINTER CONSTRUCTION, INSPECTIONS BY THE ON-SITE PLAN COORDINATOR SHALL OCCUR DAILY WHEN AREAS ARE UN-STABLE, AND WEEKLY PRIOR TO ANY FORECASTED RAIN, THAW OR SPRING MELT WHEN TEMPORARY STABILIZATION IS IN PLACE.
- IF THE SITE WILL NOT HAVE EARTH DISTURBING ACTVITIES ONGOING DURING THE WINTER CONSTRUCTION PERIOD, ALL BARE EXPOSED SOIL MUST BE STABILIZED BY ESTABLISHING VEGETATION, STRAW OR OTHER ACCEPTABLE MULCH, MATTING, ROCK, OR OTHER APPROVED MATERIAL SUCH AS ROLLED EROSION CONTROL PRODUCTS. SEEDING OF AREAS WITH MULCH COVER IS PREFERRED BUT SEEDING ALONE IS NOT ACCEPTABLE FOR PROPER STABILIZATION.
- PREPARE A SNOW MANAGEMENT PLAN WITH ADEQUATE STORAGE FOR SNOW AND CONTROL OF MELT WATER, REQUIRING CLEARED SNOW TO BE STORED IN A MANNER NOT AFFECTING ONGOING CONSTRUCTION ACTIVITIES.
- ENLARGE AND STABILIZE ACCESS POINTS TO PROVIDE FOR SNOW MANAGEMENT AND STOCKPILING. SNOW MANAGEMENT ACTIVITIES MUST NOT DESTROY OR DEGRADE INSTALLED EROSION AND SEDIMENT CONTROL PRACTICES.
- LIMITS OF DISTURBANCE SHALL BE MOVED OR REPLACED TO REFLECT BOUNDARY OF WINTER WORK.
- A MINIMUM 25-FT BUFFER SHALL BE MAINTAINED FROM ALL PERIMETER CONTROLS (SUCH AS SILT FENCE) TO ALLOW FOR CLEARING AND MAINTENANCE. MARK SILT FENCE WITH TALL STAKES THAT ARE VISIBLE ABOVE THE SNOW PACK.
- SNOW IS TO BE REMOVED FROM ALL STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES FOLLOWING EACH SIGNIFICANT SNOWFALL. NO SNOW STORAGE UP-GRADE OF DISTURBANCE. NO SNOW DISPOSAL IN SEDIMENT PONDS/BASINS. IF NECESSARY, SNOW/ICE MUST BE REMOVED PRIOR TO STABILIZATION OF DISTURBED AREAS.
- EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERBODY WITHIN 100 FT SHALL HAVE 2 ROWS OF SILT FENCE, 5 FEET APART, INSTALLED ON THE CONTOUR.
- DRAINAGE STRUCTURES SHALL BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS. ALL DEBRIS, ICE DAMS, OR DEBRIS FROM PLOWING OPERATIONS, THAT RESTRICT THE FLOW OF RUNOFF AND MELTWATER, SHALL BE REMOVED.
- SEDIMENT BARRIERS MUST BE INSTALLED AT ALL APPROPRIATE PERIMETER AND SENSITIVE LOCATIONS. SILT FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED BEFORE THE GROUND FREEZES.
- SOIL STOCKPILES MUST BE PROTECTED BY THE USE OF ESTABLISHED VEGETATION, ANCHORED STRAW MULCH, ROLLED STABILIZATION MATTING, OR OTHER DURABLE COVERING. A BARRIER MUST BE INSTALLED AT LEAST 15 FT FROM THE TOE OF THE STOCKPILE TO PREVENT SOIL MIGRATION AND TO CAPTURE LOOSE SOIL.
- IN AREAS WHERE SOIL DISTURBANCE ACTVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES SHOULD BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN THREE (3) DAYS. ROLLED EROSION CONTROL BLANKETS MUST BE USED ON ALL SLOPES 1:3 OR STEEPER.
- IF STRAW MULCH ALONE IS USED FOR TEMPORARY STABILIZATION, IT SHALL BE APPLIED AT DOUBLE THE STANDARD RATE OF 2 TONS PER ACRE, MAKING THE APPLICATION RATE 4 TONS PER ACRE. OTHER MANUFACTURED MULCHES SHOULD BE APPLIED AT DOUBLE THE MANUFACTURER'S RECOMMENDED RATE.
- TO ENSURE ADEQUATE STABILIZATION AND COVER OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL SHOULD BE STABILIZED AT THE END OF EACH WORK DAY WITH THE FOLLOWING EXCEPTIONS:
 - WORK WILL RESUME WITHIN 24 HOURS IN THE SAME AREA AND NO PRECIPITATION IS FORECAST OR;
 - THE WORK IS IN DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS OPEN UTILITY TRENCHES, FOUNDATION EXCAVATIONS, OR WATER MANAGEMENT AREAS.
- USE STONE PATHS TO STABILIZE ACCESS PERIMETERS OF BUILDINGS UNDER CONSTRUCTION AND AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED. STONE PATHS SHOULD BE A MINIMUM 10 FT IN WIDTH BUT WIDER AS NECESSARY TO ACCOMMODATE EQUIPMENT.
- ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TO BE IN PLACE BY OCTOBER 15, OR IF NOT POSSIBLE, THEN PRIOR TO GROUND FREEZE.
- SNOW AND ICE SHALL BE REMOVED TO LESS THAN 1" THICKNESS PRIOR TO STABILIZATION.



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Project:

NEW CONSTRUCTION
FOR:
MID-STATE INDUSTRIES
OFFICE & WAREHOUSE

Airport Road Town of Glenville, NY

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Scale: As Noted

Date: 2/12/2024

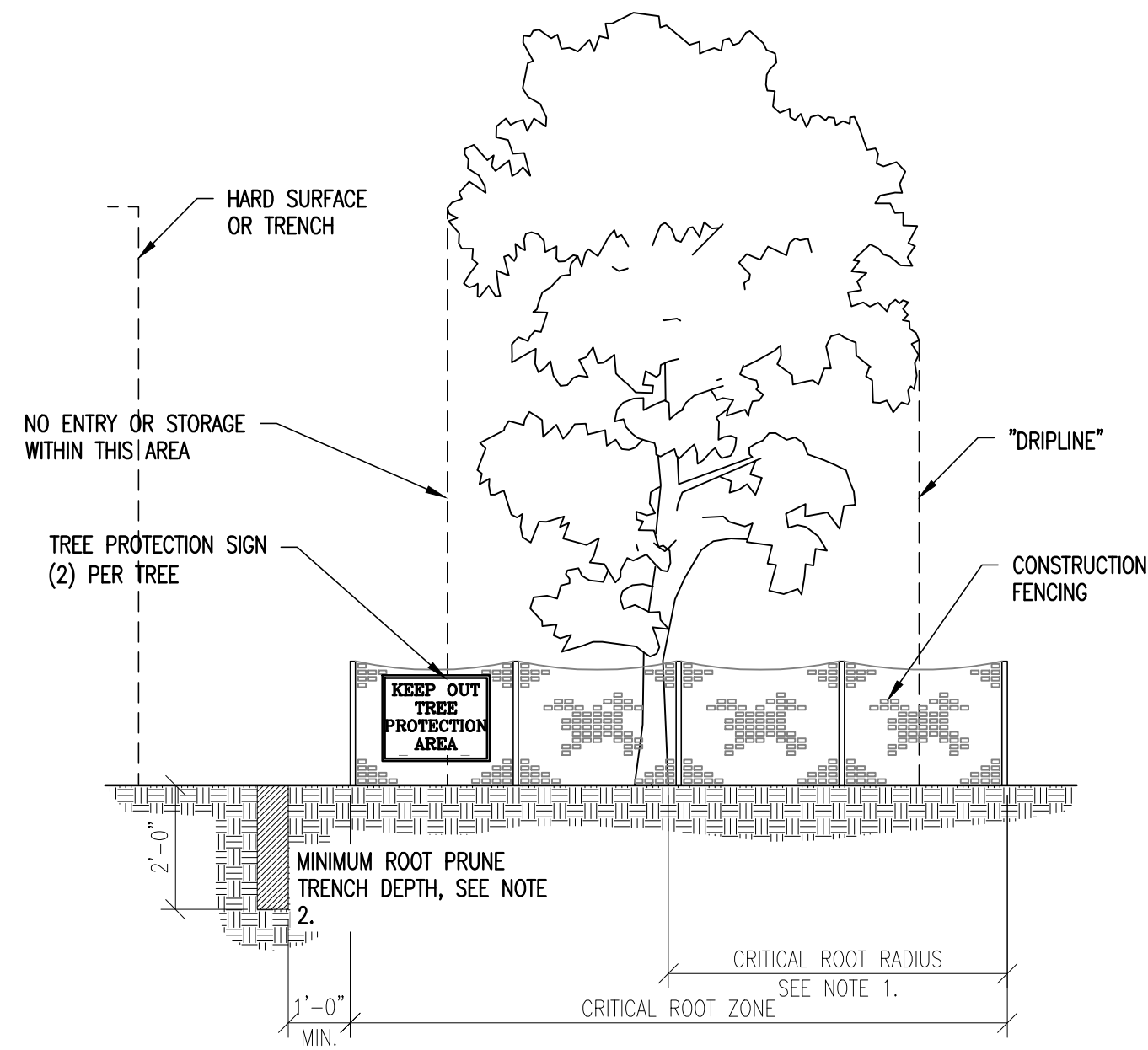
Job No: EV #23533

Sheet Title:
EROSION AND
SEDIMENT CONTROL
DETAILS (1 OF 2)

Sheet Number:

C503

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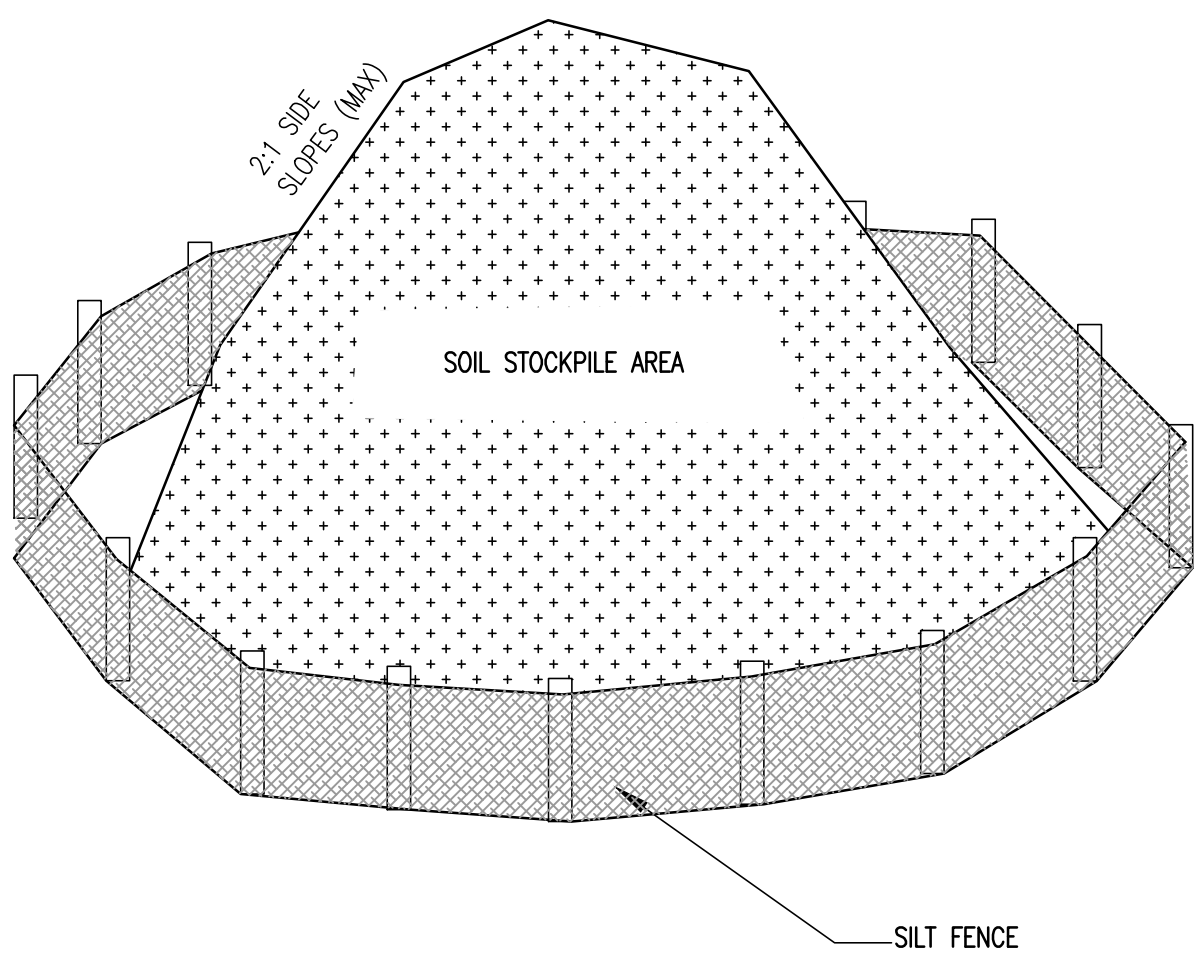


TREE PROTECTION NOTES:

1. TO CALCULATE THE CRITICAL ROOT RADIUS, ESTIMATE THE TREE'S HEIGHT AND MULTIPLY BY 40 PERCENT (0.40). THE RESULT IS THE APPROXIMATE DISTANCE FROM THE TREE TRUNK TO THE EDGE OF THE CONSTRUCTION FENCING.
2. FENCE SPECIMEN TREES AND GROUPS OF TREES, WHERE ROOT LOSS WILL OCCUR, ROOT PRUNE ONE FOOT BEYOND THE CONSTRUCTION FENCE USING A VIBRATING KNIFE OR NARROW TRENCHER - ALWAYS WITH SHARP BLADES TO MAKE CLEAN CUTS. BACKFILL IMMEDIATELY AND COVER WITH 3 INCHES OF MULCH.
3. INSTALL SILT FENCE ON THE INTERIOR OF THE CONSTRUCTION FENCING TO KEEP SOIL FROM DISTURBED AREAS OUT OF THE ROOT ZONES OF TREES TO BE SAVED.
4. FERTILIZE, WATER, AERATE AND OTHERWISE AID TREE HEALTH.
5. COORDINATE THE FINAL LOCATION OF THE CONSTRUCTION FENCING AND ROOT PRUNING WITH THE OWNER.

TREE PROTECTION FENCING DETAIL

NOT TO SCALE 1

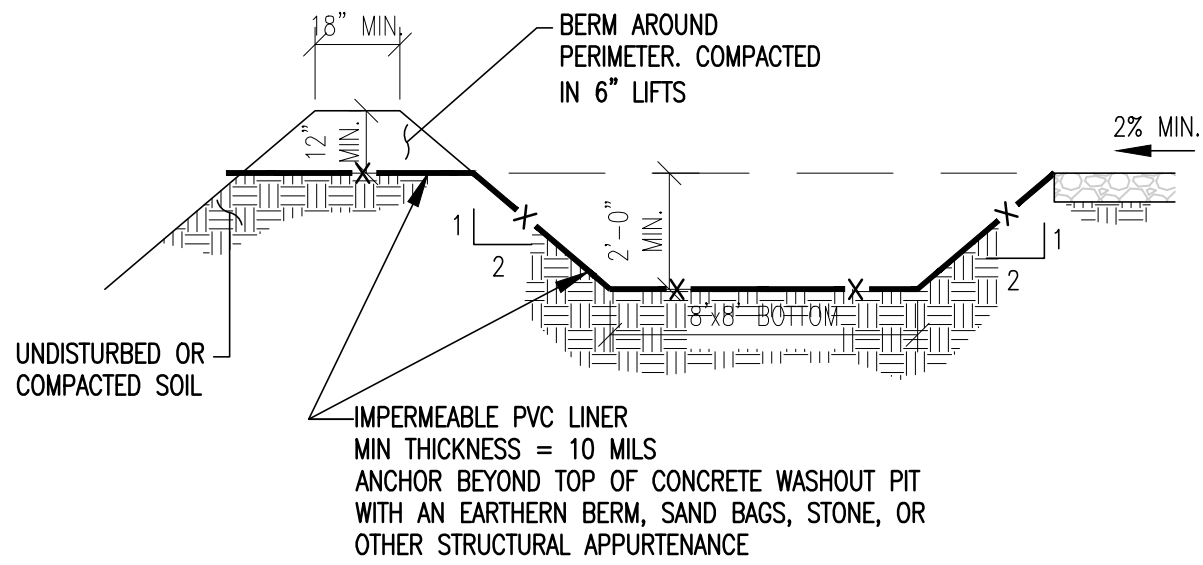


STOCKPILE NOTES

1. STOCKPILES TO HAVE MAXIMUM 2:1 SIDE SLOPES.
2. SILT FENCE SHALL BE PLACED AROUND THE PERIMETER OF STOCKPILE AREA.
3. STOCKPILE AREA TO BE STABILIZED WITH VEGETATION, GEOTEXTILE, OR COVER. IF COVER TO BE USED, COVER SHALL BE SECURED WITH USE OF SAND BAGS OR OTHER MEASURES TO PREVENT COVER FROM BLOWING OFF STOCKPILE.
4. STOCKPILES SHALL BE PLACED ON DRY AND STABLE AREAS.

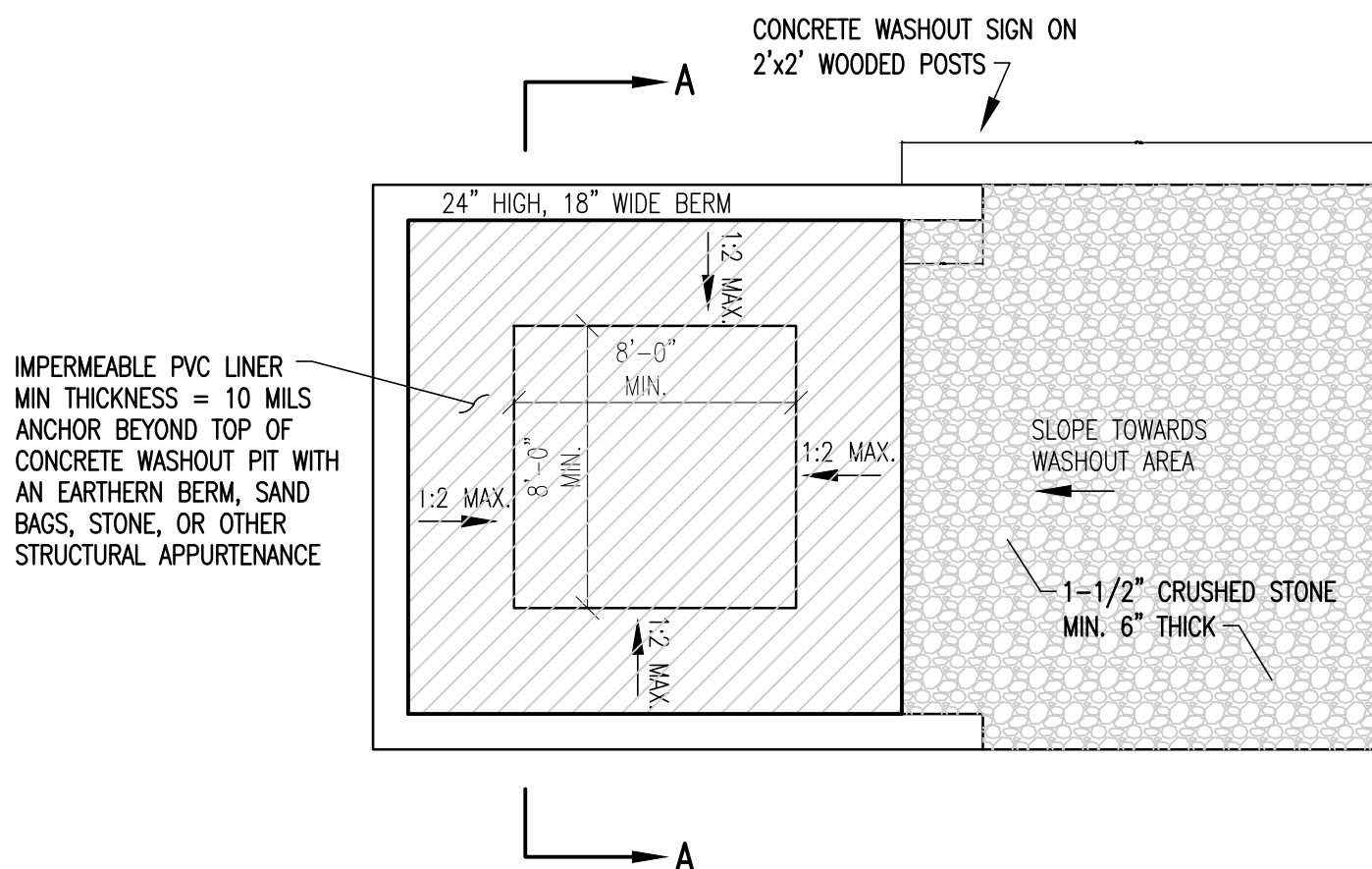
TOPSOIL STOCKPILE AREA

NOT TO SCALE 2



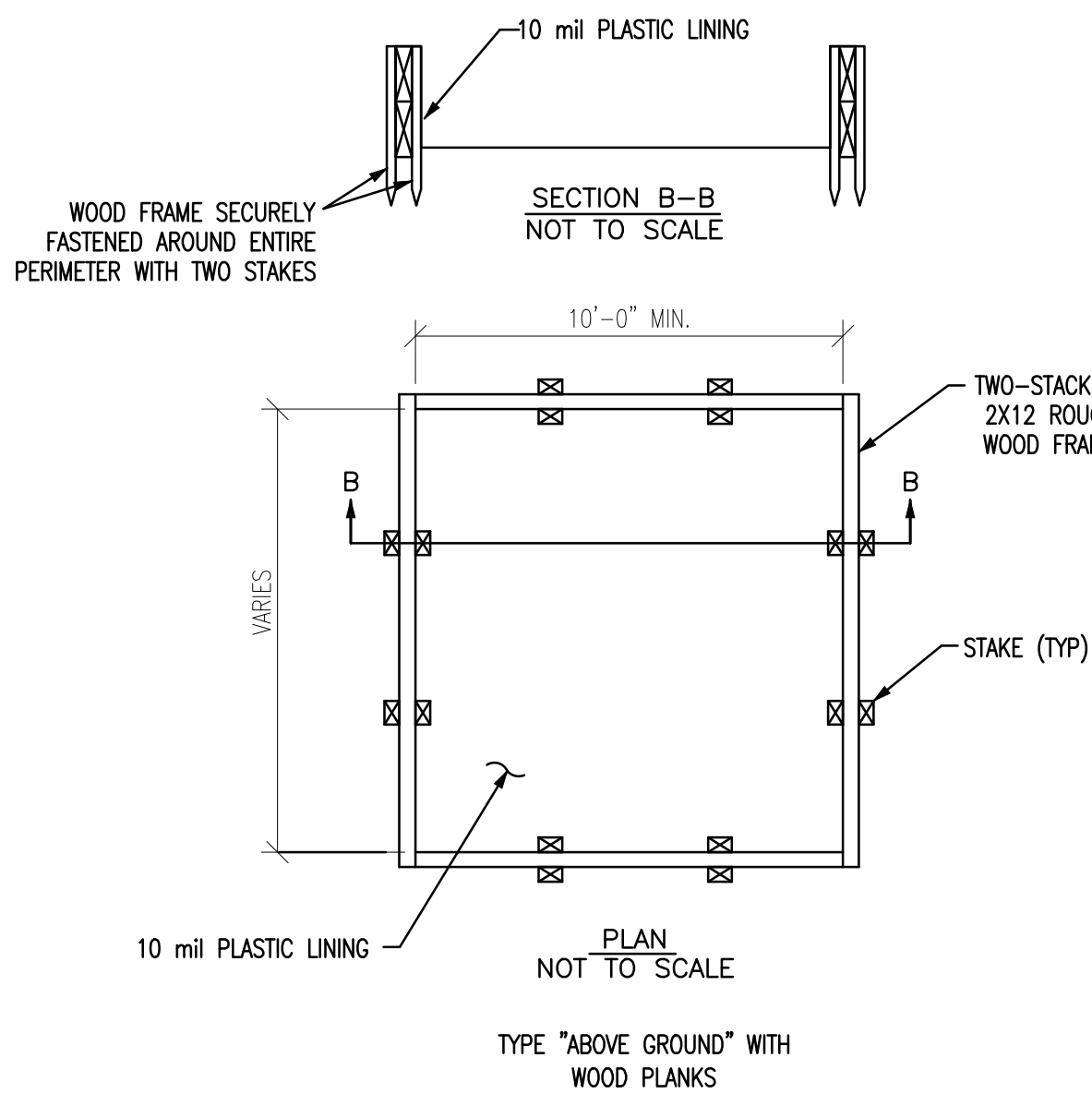
CONCRETE WASHOUT AREA NOTES

1. ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED/REPLACED IMMEDIATELY. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE SHOULD BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
2. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF-SITE.
3. DISPOSE OF THE HARDENED MATERIAL OFF-SITE IN AN APPROPRIATE FACILITY. ON-SITE DISPOSAL MAY BE ALLOWED IF THIS HAS BEEN APPROVED AND ACCEPTED AS PART OF THE PROJECTS SWPPP. IN THAT CASE, THE MATERIAL SHALL BE RECYCLED AS SPECIFIED, OR BURIED AND COVERED WITH A MINIMUM OF 2 FEET OF CLEAN COMPACTED EARTH/FILL THAT IS PERMANENTLY STABILIZED TO PREVENT EROSION.
4. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.
5. INSPECT THE PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.
6. IN LIEU OF CONCRETE WASHOUT AREA, A PRE-FABRICATED WASHOUT MAY BE USED. CONTRACTOR SHALL SUBMIT SHOP DRAWING OF SUCH PRE-FABRICATED WASHOUT AREA TO DESIGN ENGINEER FOR REVIEW AND APPROVAL.



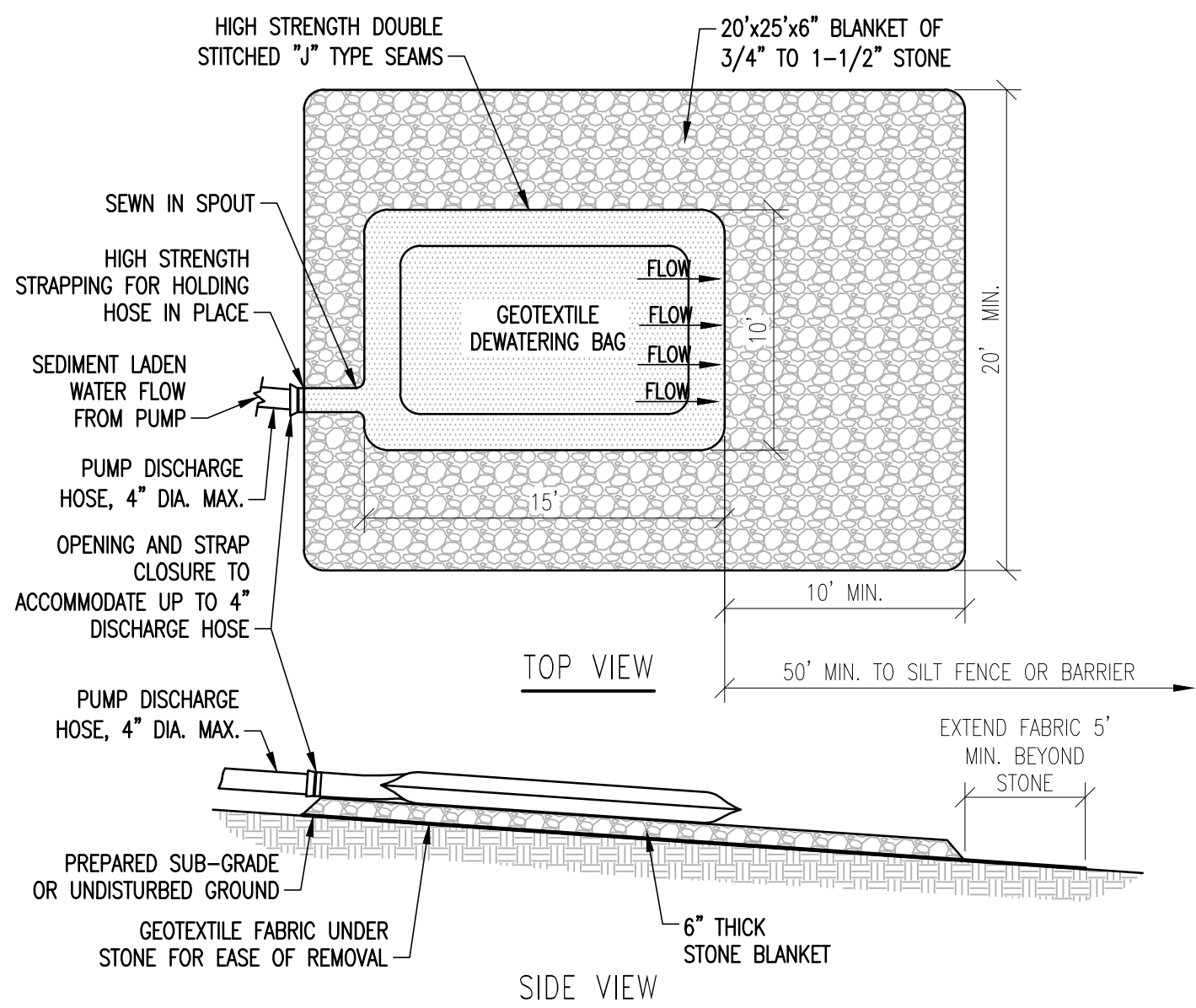
EXCAVATED CONCRETE TRUCK WASHOUT DETAIL

NOT TO SCALE 3



WOOD FRAME CONCRETE WASHOUT DETAIL

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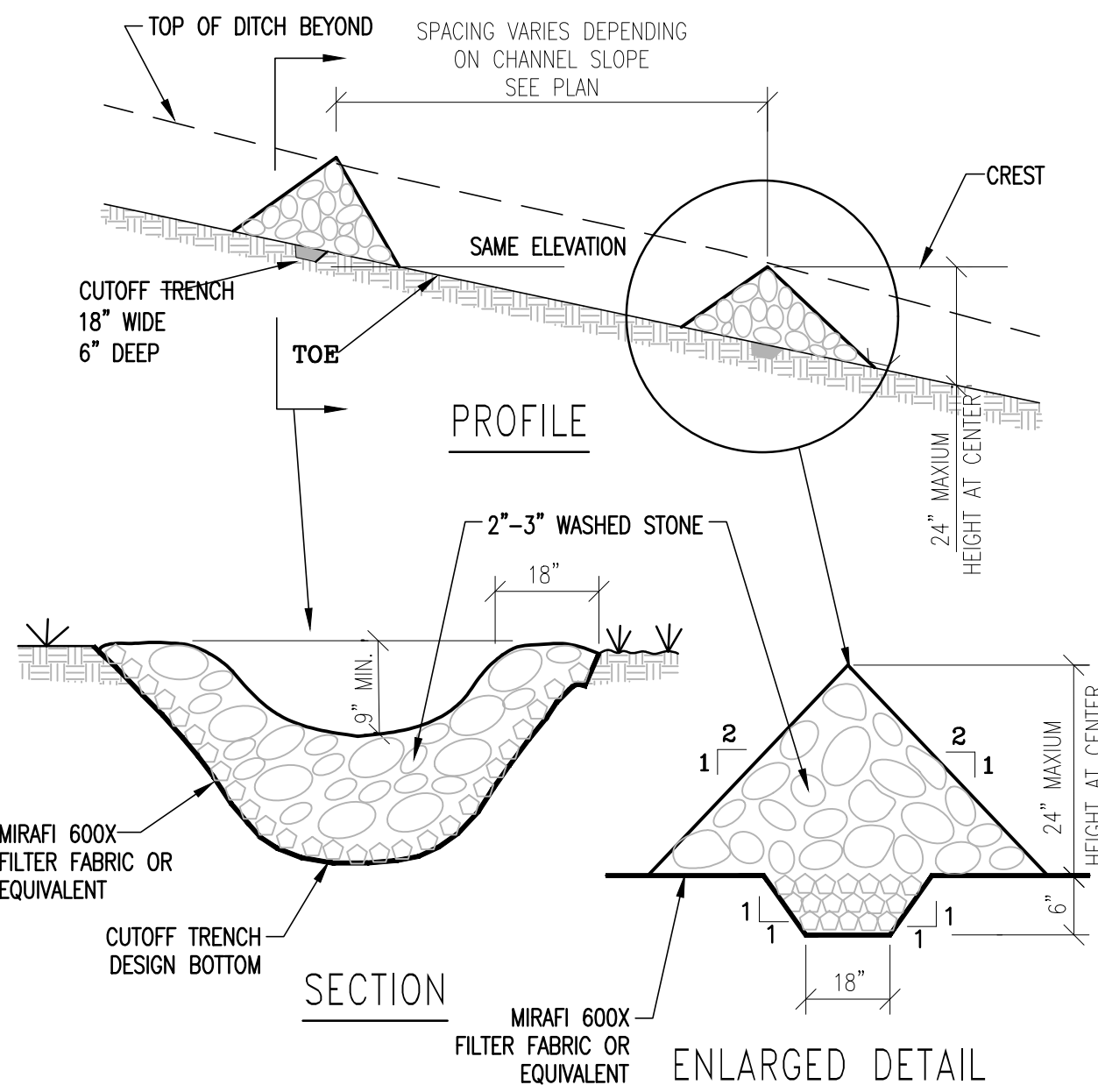


NOTES:

1. ALL PROJECT DEWATERING PUMPS SHALL DISCHARGE INTO A PUMPED SEDIMENT CONTROL DEVICE.
2. GEOTEXTILE BAG MATERIAL BASED ON PARTICLE SIZE IN PUMPED WATER, I.E., FOR COARSE PARTICLES A WOVEN MATERIAL, FOR SILTS/CLAYS A NON-WOVEN MATERIAL.
3. LIFTING STRAPS SHALL BE INCLUDED WITH THE PUMPED SEDIMENT CONTROL DEVICE FOR REMOVAL WHEN FULL.
4. DO NOT OVER PRESSURIZED BAG OR USE BEYOND CAPACITY.
5. LOCATE DISCHARGE SITE ON LEVEL UPLAND AREAS AS FAR AWAY AS POSSIBLE FROM STREAMS, WETLANDS, OTHER RESOURCES AND POINTS OF CONCENTRATED FLOW.
6. DOWNGRADIENT FROM RECEIVING AREA MUST BE WELL VEGETATED OR OTHERWISE STABLE FROM EROSION, E.G., FOREST FLOOR, GRASS LAWN OR COARSE GRAVEL/STONE.
7. DISCHARGE LOCATION SHALL MEET ALL REGULATORY SETBACKS FROM WETLANDS AND OTHER WATER COURSES.
8. HEAVY EQUIPMENT ACCESS TO THE PUMPED SEDIMENT CONTROL DEVICE SITE SHALL BE MAINTAINED FOR REPLACEMENT AND DISPOSAL.
9. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION, CLEANING AND REMOVAL.

PUMPED WATER FILTER BAG

NOT TO SCALE 5

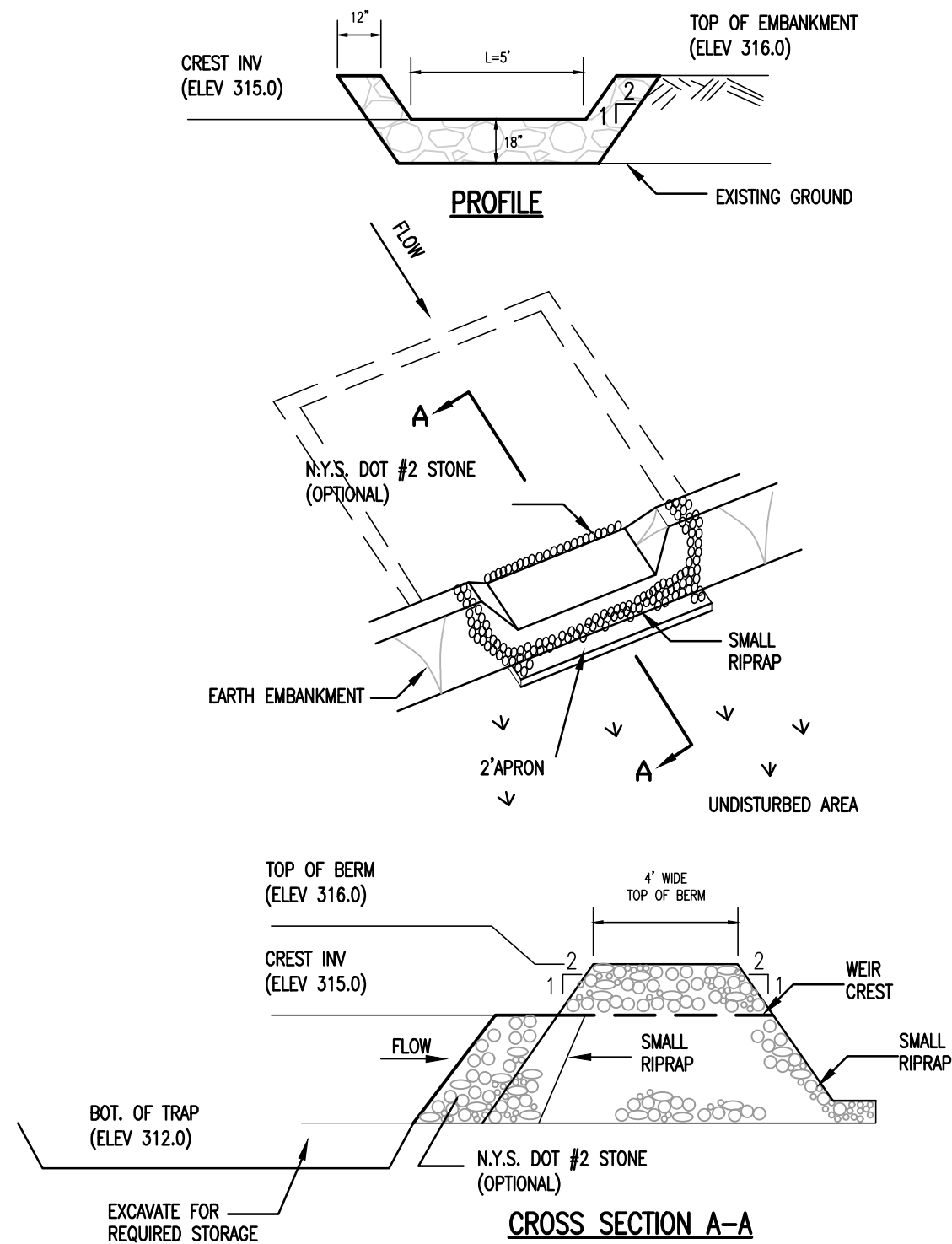


NOTES:

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN PLANS.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.
6. REMOVE ACCUMULATED SEDIMENT BEHIND CHECK DAM WHEN 1/2 THE HEIGHT OF THE DAM. REPLACE STONES AS NECESSARY.

STONE CHECK DAM DETAIL

NOT TO SCALE 6



OPTION: A ONE FOOT LAYER OF N.Y.S. DOT #2 STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP INPLACE OF THE EMBEDDED FILTER CLOTH.

NOTES:

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4\"/>
5. 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.
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
9. MAXIMUM DRAINAGE AREA 5 ACRES

STONE OUTLET SEDIMENT TRAP

NOT TO SCALE 7

Stamp:



Project:

NEW CONSTRUCTION
FOR:
MID-STATE INDUSTRIES
OFFICE & WAREHOUSE

Airport Road Town of Glenville, NY

No.	REVISION #	DATE:

Drawn By:

Engineering Ventures

Scale:

As Noted

Date:

2/12/2024

Job No:

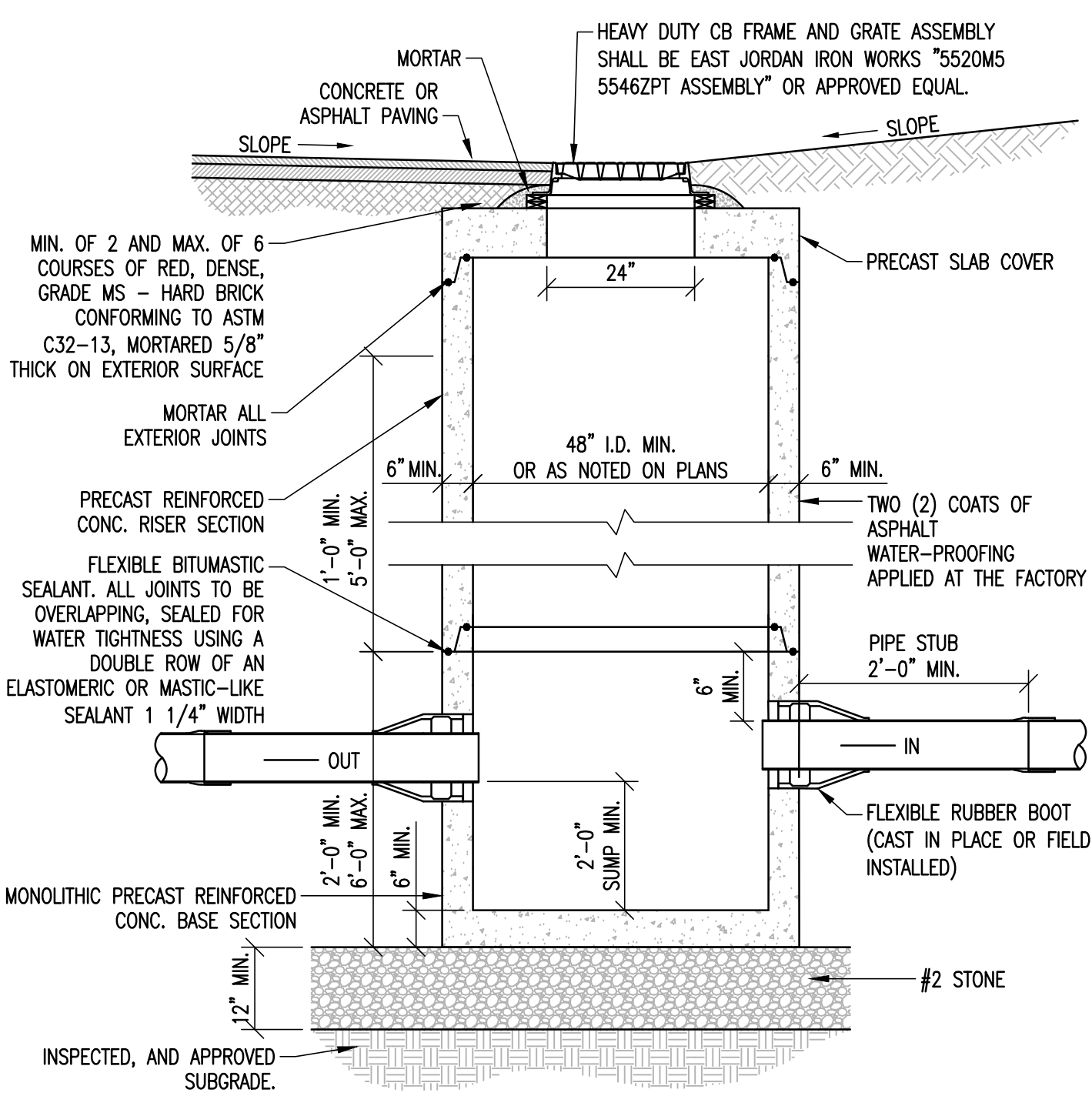
EV #23533

Sheet Title:

EROSION AND
SEDIMENT CONTROL
DETAILS (2 OF 2)

Sheet Number:

C504

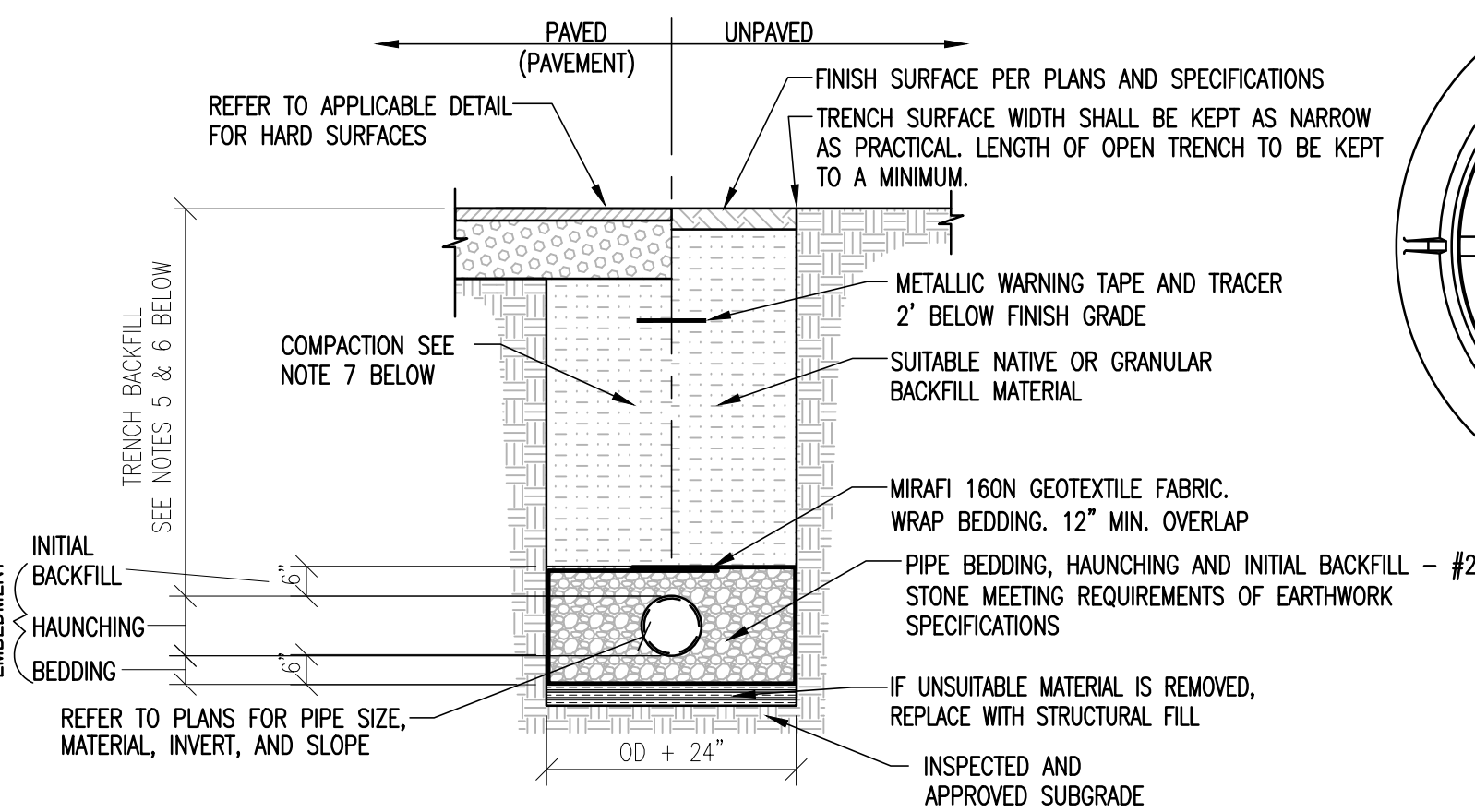


- NOTES:**
- CATCH BASIN SHALL BE PRECAST CONCRETE DESIGNED FOR H2O LOADING.
 - CATCH BASIN GRATE AND FRAME SHALL BE DESIGNED FOR H2O LOADING.
 - CATCH BASIN BACKFILL SHALL BE IMPORTED STRUCTURAL FILL MEETING THE REQUIREMENTS OF THE EARTHWORK SPECIFICATIONS. DO NOT BACKFILL WITH EXCAVATED NATIVE MATERIALS.
 - LEDGE, ROCK, BOULDERS, AND LARGE STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF 12 INCHES BELOW AND 6 INCHES ON ALL SIDES OF CATCH BASIN.
 - REFER TO SITE/EARTHWORK SPECIFICATIONS FOR PREPARATION OF SUBGRADE, PLACEMENT OF FILL MATERIALS, COMPACTION REQUIREMENTS, AND TESTING REQUIREMENTS.
 - IF DEPTH OF CATCH BASIN IS 7 FT. OR LESS FROM RIM TO CENTERLINE INVERT, THEN A FLAT TOP WILL BE INSTALLED. IF DEPTH OF MANHOLE FROM RIM TO CENTERLINE INVERT IS MORE THAN 7 FT., THEN AN ECCENTRIC CONICAL TOP WILL BE INSTALLED.

TYPICAL CATCH BASIN DETAIL

NOT TO SCALE

1

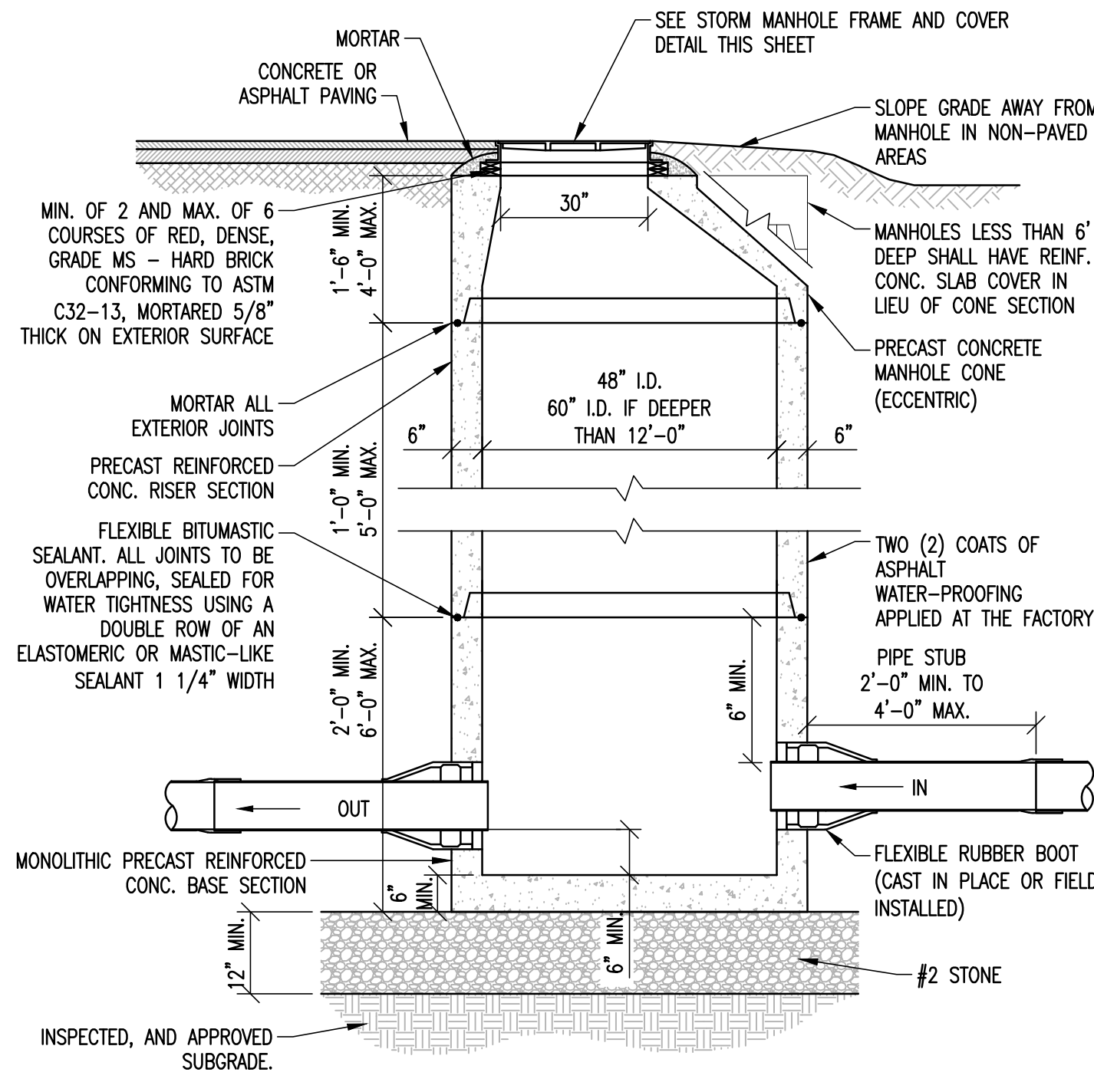


- NOTES:**
- BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.
 - WHEN APPLICABLE INSTALL PIPE WITH BELL ENDS DOWN SLOPE. PREVENT SEDIMENT FROM ENTERING NEW STORM DRAIN SYSTEM DURING CONSTRUCTION.
 - NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PIPE TO INSURE PIPE IS NOT DAMAGED.
 - TRENCH BACKFILL MATERIAL, INCLUDING ROADWAY LOCATIONS, SHALL BE NATIVE MATERIALS MEETING THE SITE/EARTHWORK SPECIFICATIONS OR IMPORTED STRUCTURAL FILL.
 - LEDGE, ROCK, BOULDERS AND LARGE STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BELOW AND 12 INCHES ON EACH SIDE OF ALL PIPES.
 - REFER TO SITE/EARTHWORK SPECIFICATIONS FOR PREPARATION OF SUBGRADE, PLACEMENT OF FILL MATERIALS, COMPACTION REQUIREMENTS, AND TESTING REQUIREMENTS.

TYPICAL STORM DRAIN TRENCH DETAIL

NOT TO SCALE

2

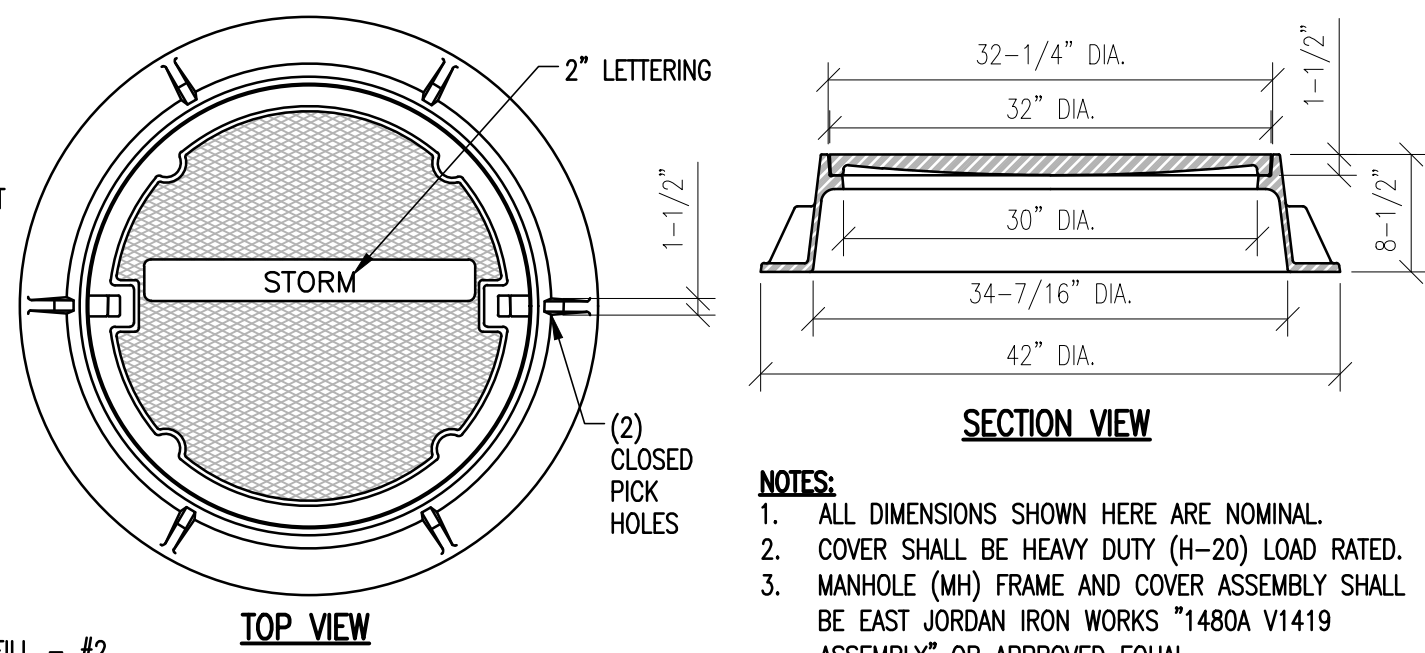


- NOTES:**
- MANHOLE SHALL BE PRECAST CONCRETE DESIGNED FOR H2O LOADING.
 - MANHOLE FRAME AND COVER SHALL BE DESIGNED FOR H2O LOADING.
 - MANHOLE BACKFILL SHALL BE IMPORTED STRUCTURAL FILL MEETING THE REQUIREMENTS OF THE EARTHWORK SPECIFICATIONS. DO NOT BACKFILL WITH EXCAVATED NATIVE MATERIALS.
 - LEDGE, ROCK, BOULDERS, AND LARGE STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF 12 INCHES BELOW AND 6 INCHES ON ALL SIDES OF CATCH BASIN.
 - REFER TO SITE/EARTHWORK SPECIFICATIONS FOR PREPARATION OF SUBGRADE, PLACEMENT OF FILL MATERIALS, COMPACTION REQUIREMENTS, AND TESTING REQUIREMENTS.
 - IF DEPTH OF MANHOLES IS 7 FT. OR LESS FROM RIM TO CENTERLINE INVERT, THEN A FLAT TOP WILL BE INSTALLED. IF DEPTH OF MANHOLE FROM RIM TO CENTERLINE INVERT IS MORE THAN 7 FT., THEN AN ECCENTRIC CONICAL TOP WILL BE INSTALLED.

TYPICAL STORM MANHOLE DETAIL

NOT TO SCALE

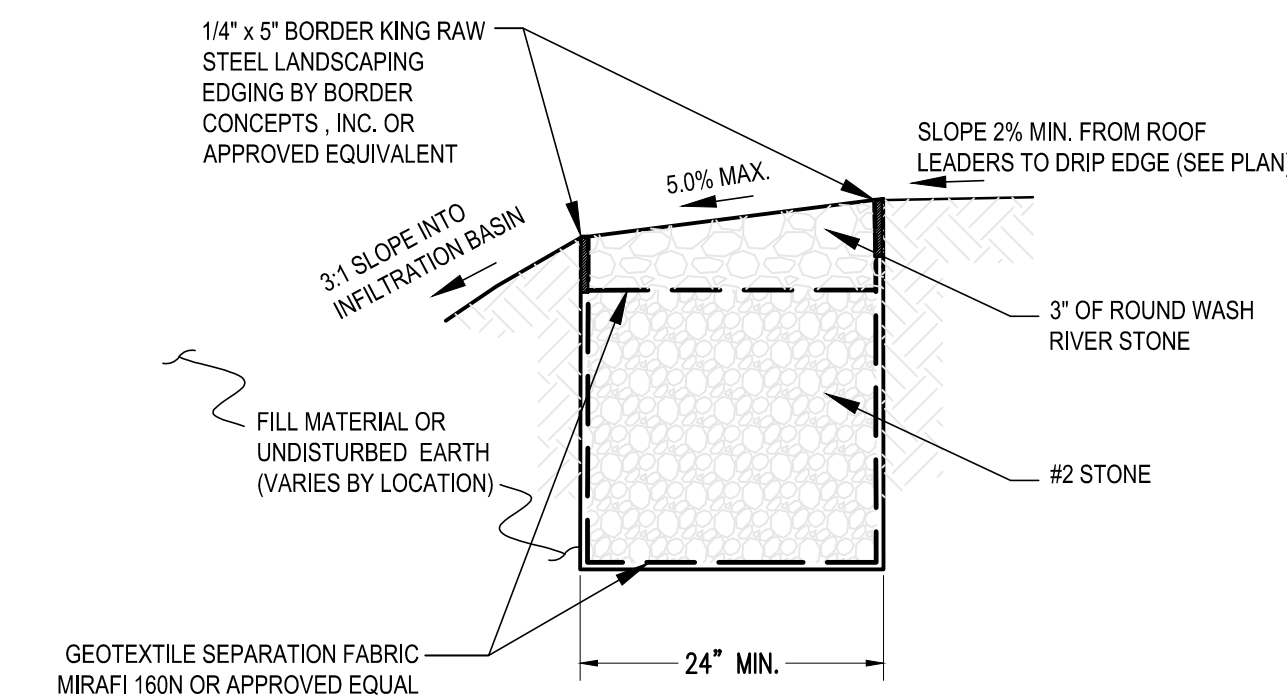
3



STORM MANHOLE FRAME & COVER

NOT TO SCALE

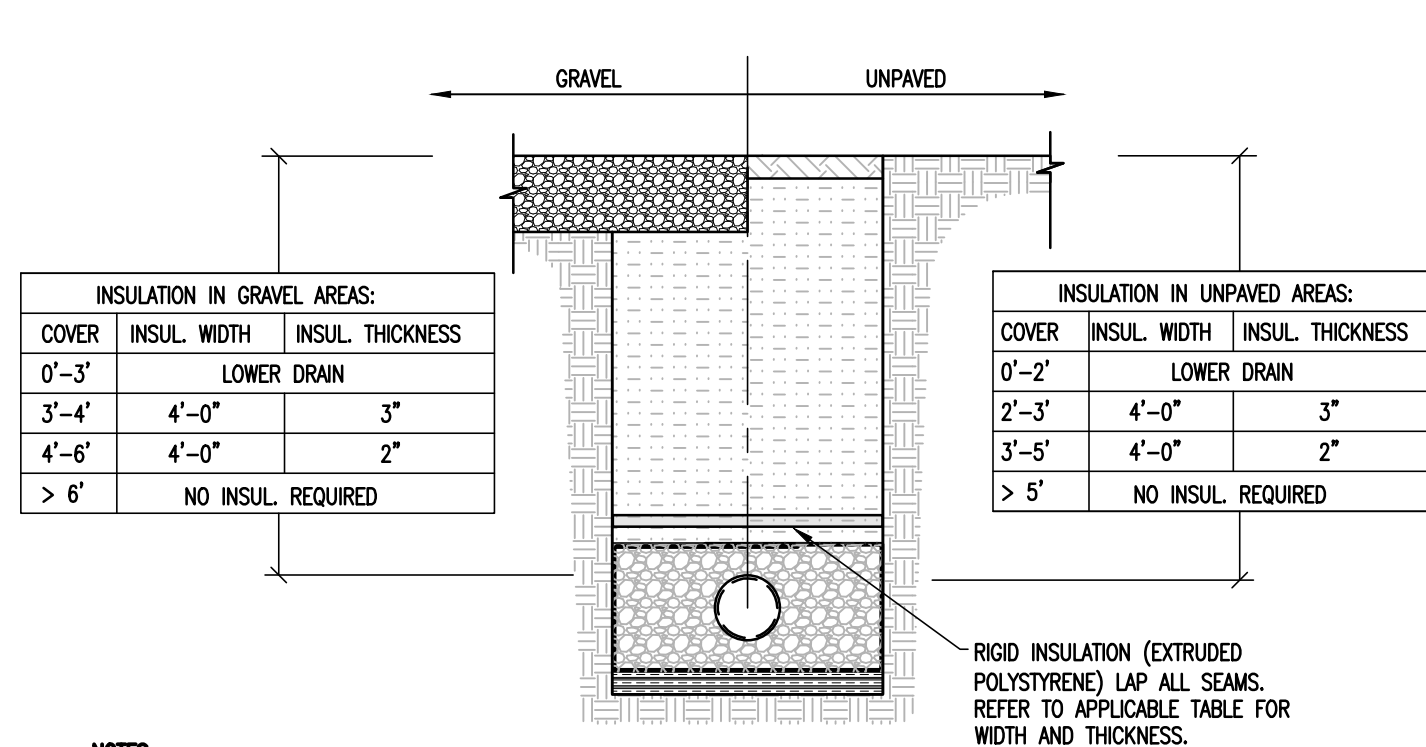
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STONE DRIP EDGE AT INFILTRATION BASIN #1

NOT TO SCALE

5

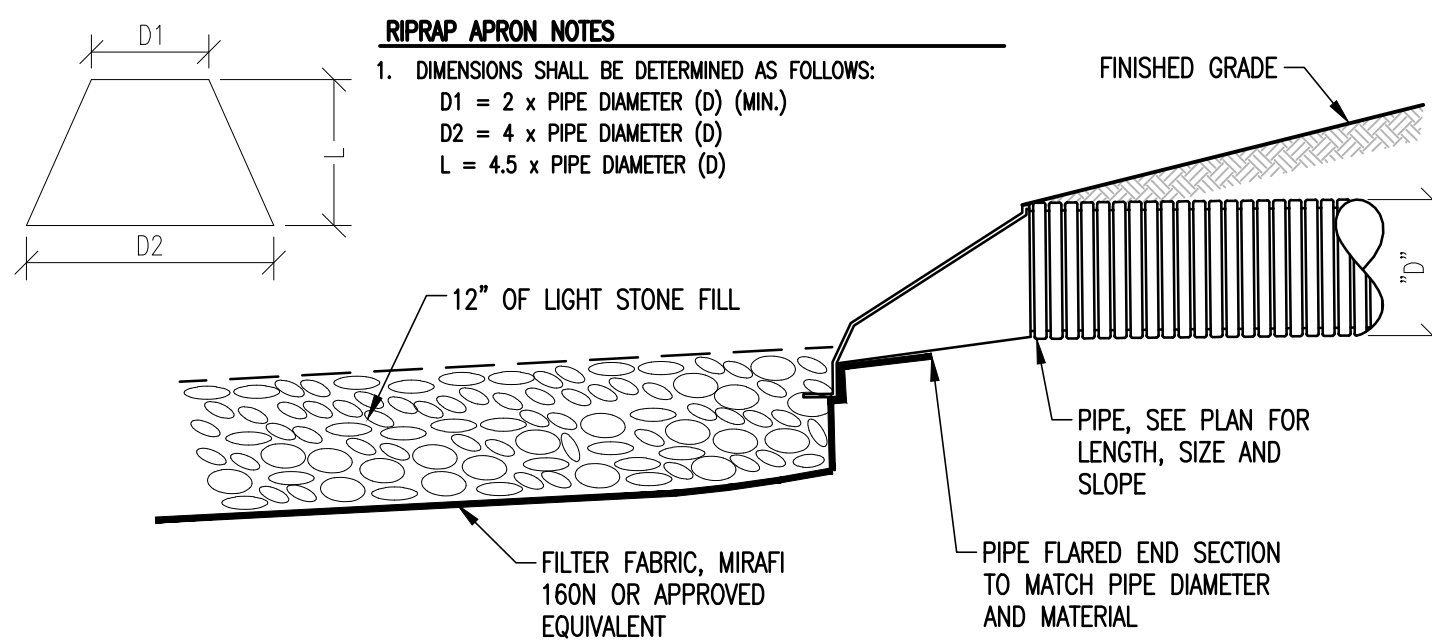


- NOTES:**
- REFER TO APPLICABLE TRENCH DETAIL FOR SPECIFIC BACKFILL INFORMATION.
 - NOTIFY DEPARTMENT OF PUBLIC WORKS TO REVIEW INSTALLATION AND BACKFILL IF WORK OCCURS IN PUBLIC R.O.W.
 - ALL SHALLOW DRAIN INSTALLATIONS MUST BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.

INSULATION OVER SHALLOW STORM PIPE

NOT TO SCALE

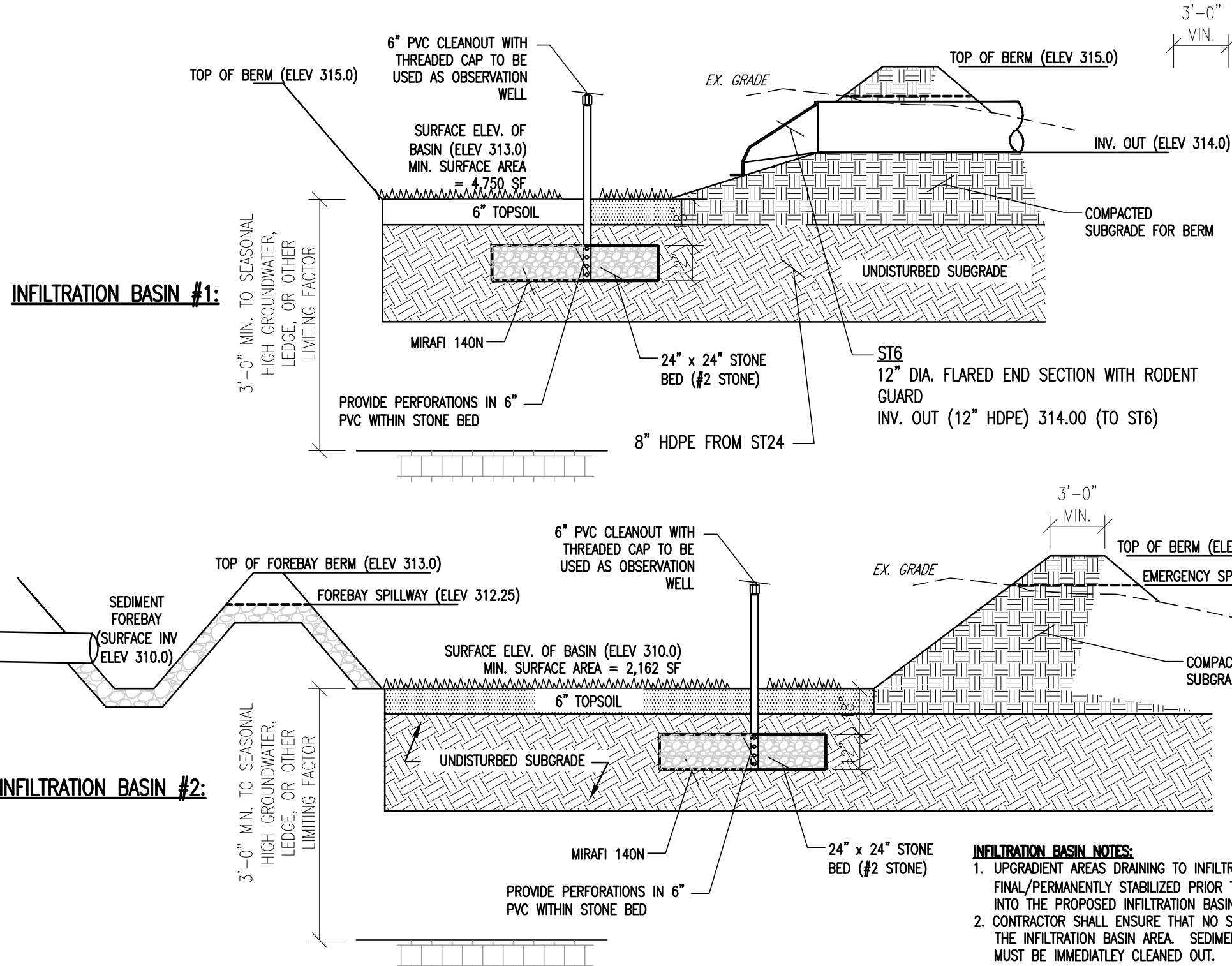
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FLARED END SECTION & RIPRAP APRON DETAIL

NOT TO SCALE

8



INFILTRATION BASIN #2:

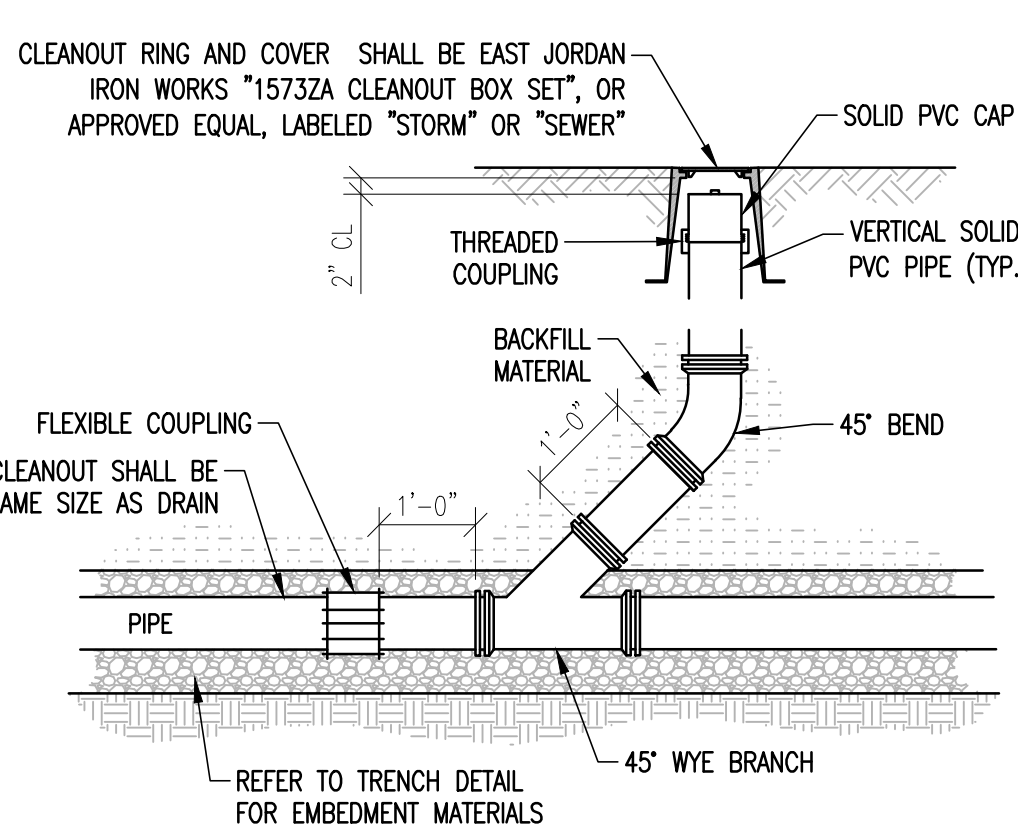
- INFILTRATION BASIN NOTES:**
- UPGRADIENT AREAS DRAINING TO INFILTRATION BASIN SHALL BE FINAL/PERMANENTLY STABILIZED PRIOR TO DIRECTING RUNOFF INTO THE PROPOSED INFILTRATION BASIN.
 - CONTRACTOR SHALL ENSURE THAT NO SEDIMENT SHALL ENTER THE INFILTRATION BASIN AREA. SEDIMENT THAT DOES ENTER MUST BE IMMEDIATELY CLEANED OUT.

MAX SIDE SLOPES = 3:1 FOR ALL SLOPES

INFILTRATION BASIN DETAIL

NOT TO SCALE

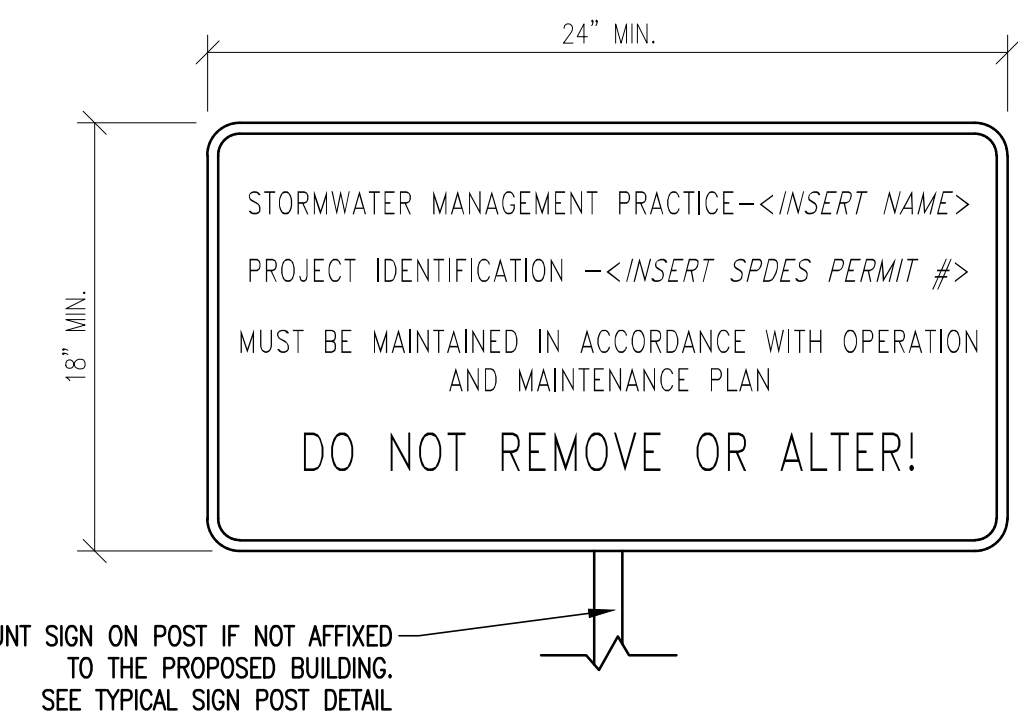
10



CLEANOUT DETAIL

NOT TO SCALE

7

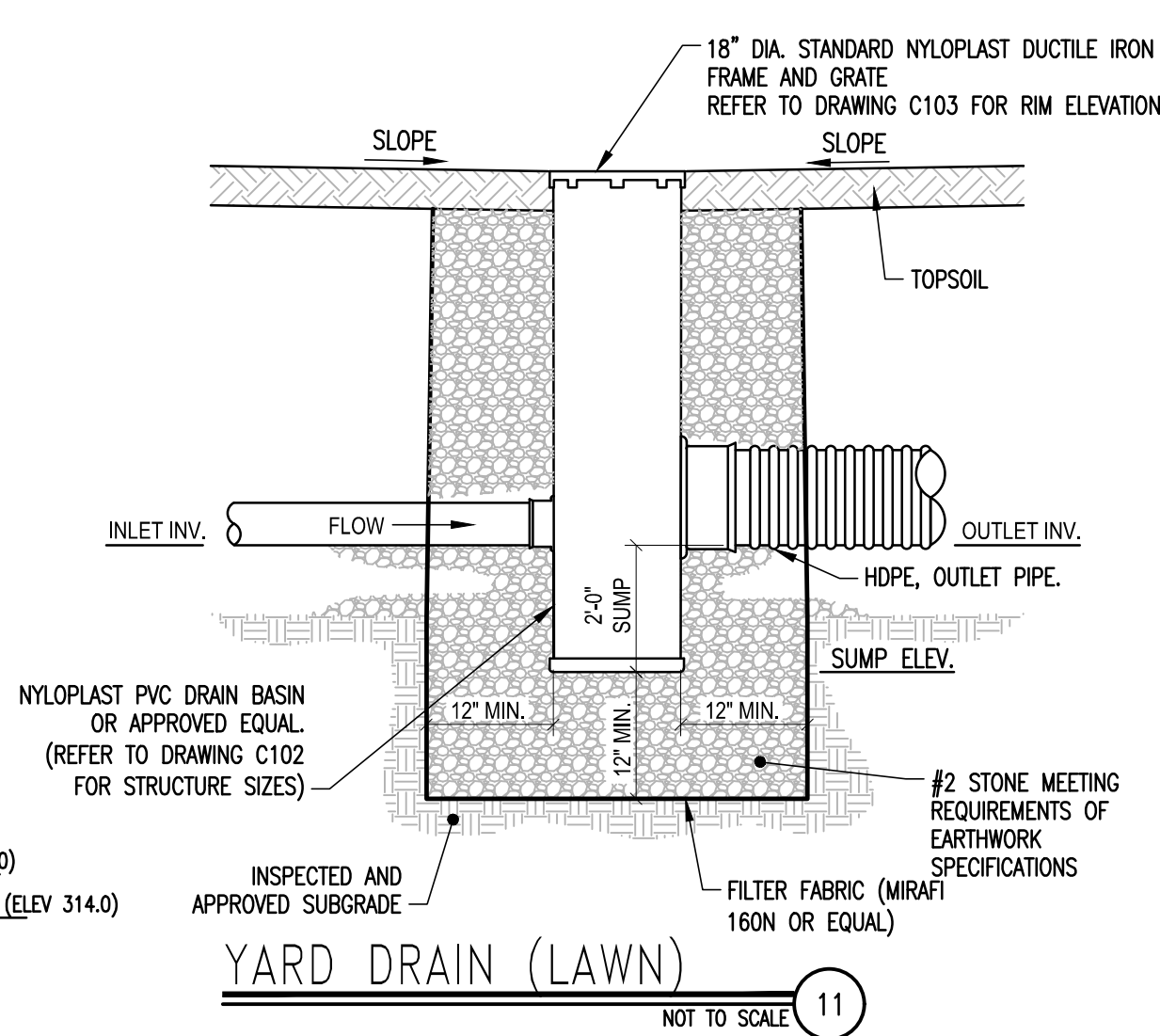


- NOTES:**
- SIGN TEXT SHOWN ON THIS DETAIL IS REQUIRED PER NEW YORK STATE STORMWATER MANAGEMENT MANUAL.
 - CONTRACTOR TO COORDINATE SIGN TEXT SIZE, STYLE, ETC. AND SIGN LOCATION WITH OWNER AND ENGINEER.

STORMWATER PRACTICE SIGN

NOT TO SCALE

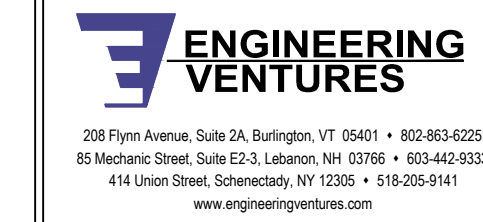
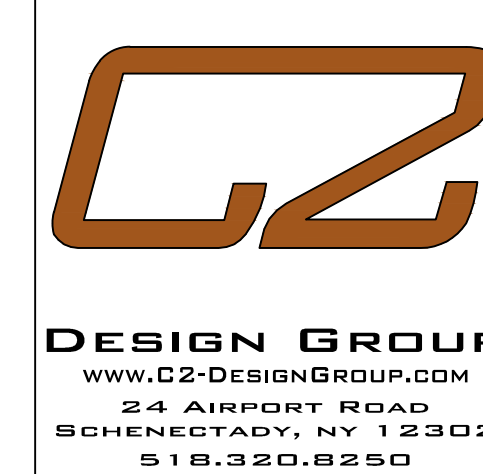
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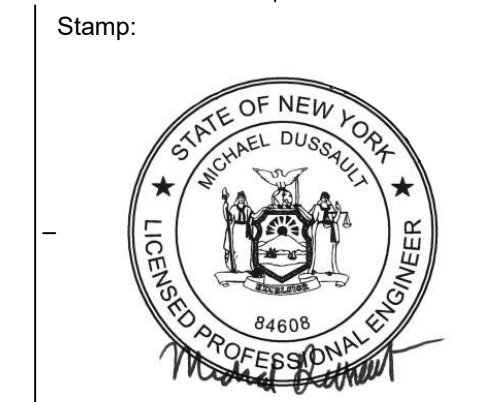
YARD DRAIN (LAWN)

NOT TO SCALE

11



EV PROJECT NO. 23533



Project: NEW CONSTRUCTION
FOR: MID-STATE INDUSTRIES
OFFICE & WAREHOUSE
Airport Road Town of Glenville, NY

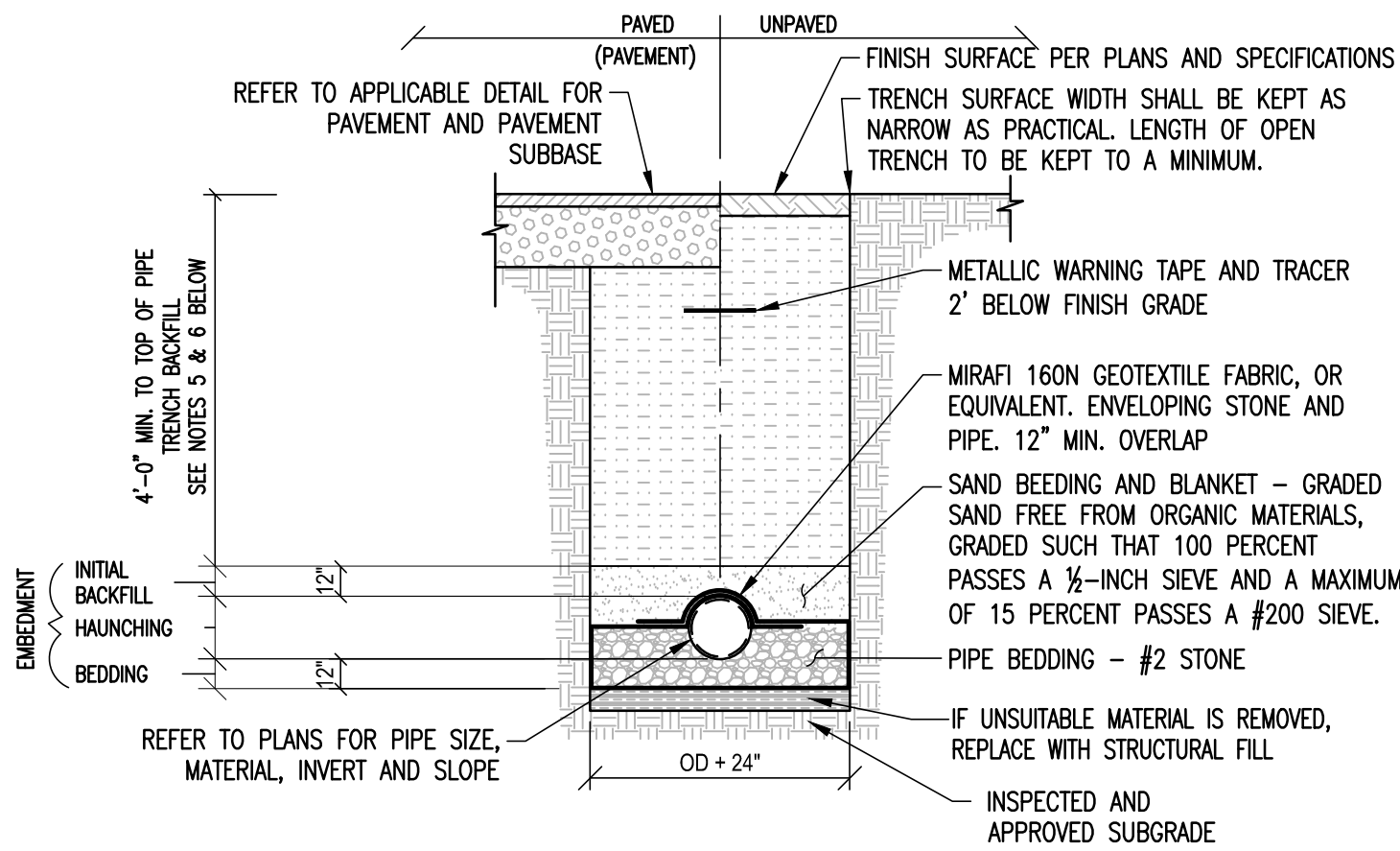
No.	REVISION #	DATE:

Drawn By: Engineering Ventures
Scale: As Noted
Date: 2/12/2024
Job No: EV #23533
Sheet Title: STORMWATER DETAILS

Sheet Number:

C505

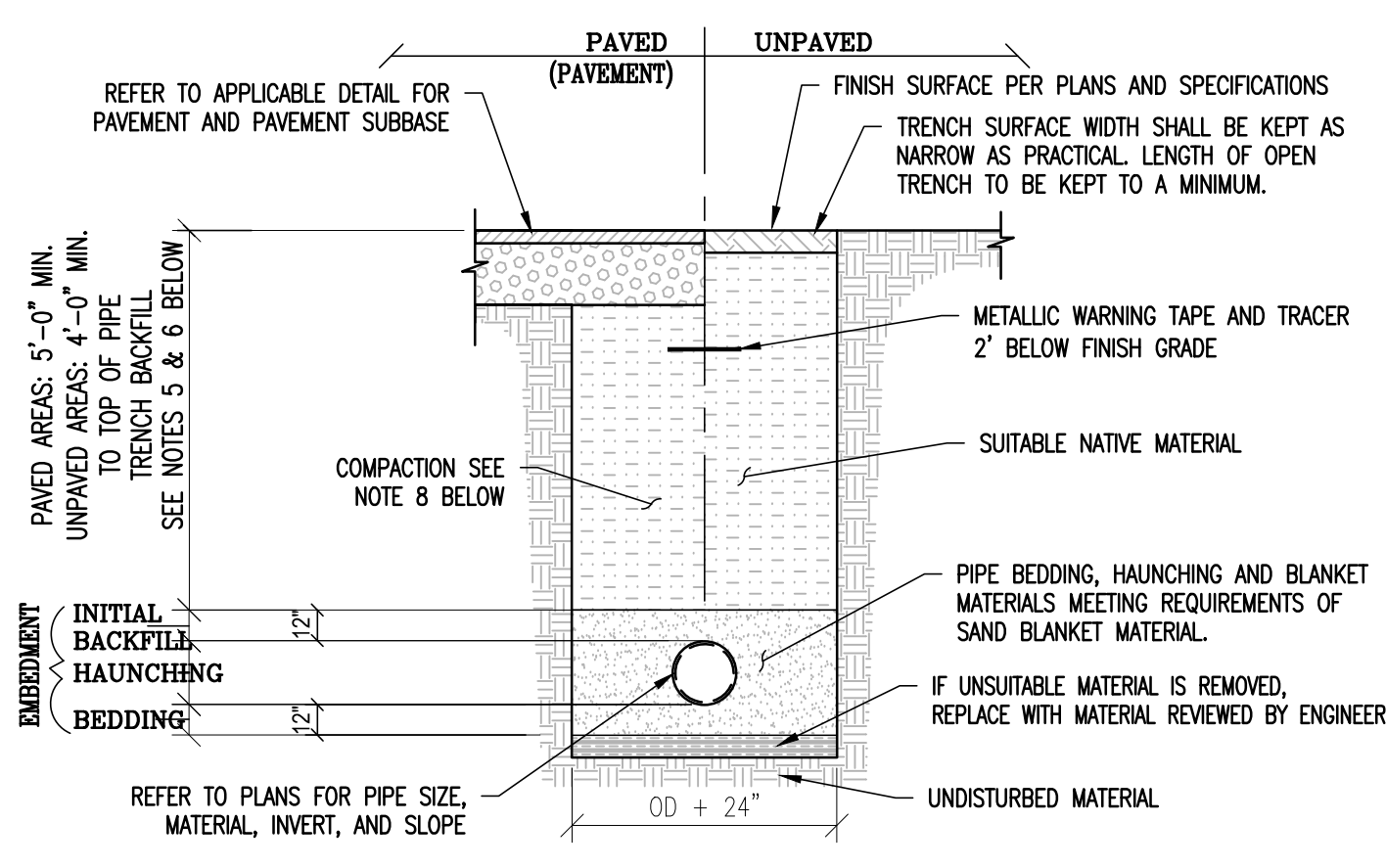
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- GRAVITY SEWER TRENCH NOTES:**
1. BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.
 2. NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PIPE TO INSURE PIPE IS NOT DAMAGED.
 3. TRENCH BACKFILL MATERIAL, INCLUDING ROADWAY LOCATIONS, SHALL BE NATIVE MATERIALS MEETING THE SITE/EARTHWORK SPECIFICATIONS OR IMPORTED STRUCTURAL FILL.
 4. LEDGE, ROCK, BOULDERS AND LARGE STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BELOW AND 12 INCHES ON EACH SIDE OF ALL PIPES.
 5. REFER TO SITE/EARTHWORK SPECIFICATIONS FOR PREPARATION OF SUBGRADE, PLACEMENT OF FILL MATERIALS, COMPACTION REQUIREMENTS, AND TESTING REQUIREMENTS.

TYPICAL GRAVITY SEWER TRENCH DETAIL

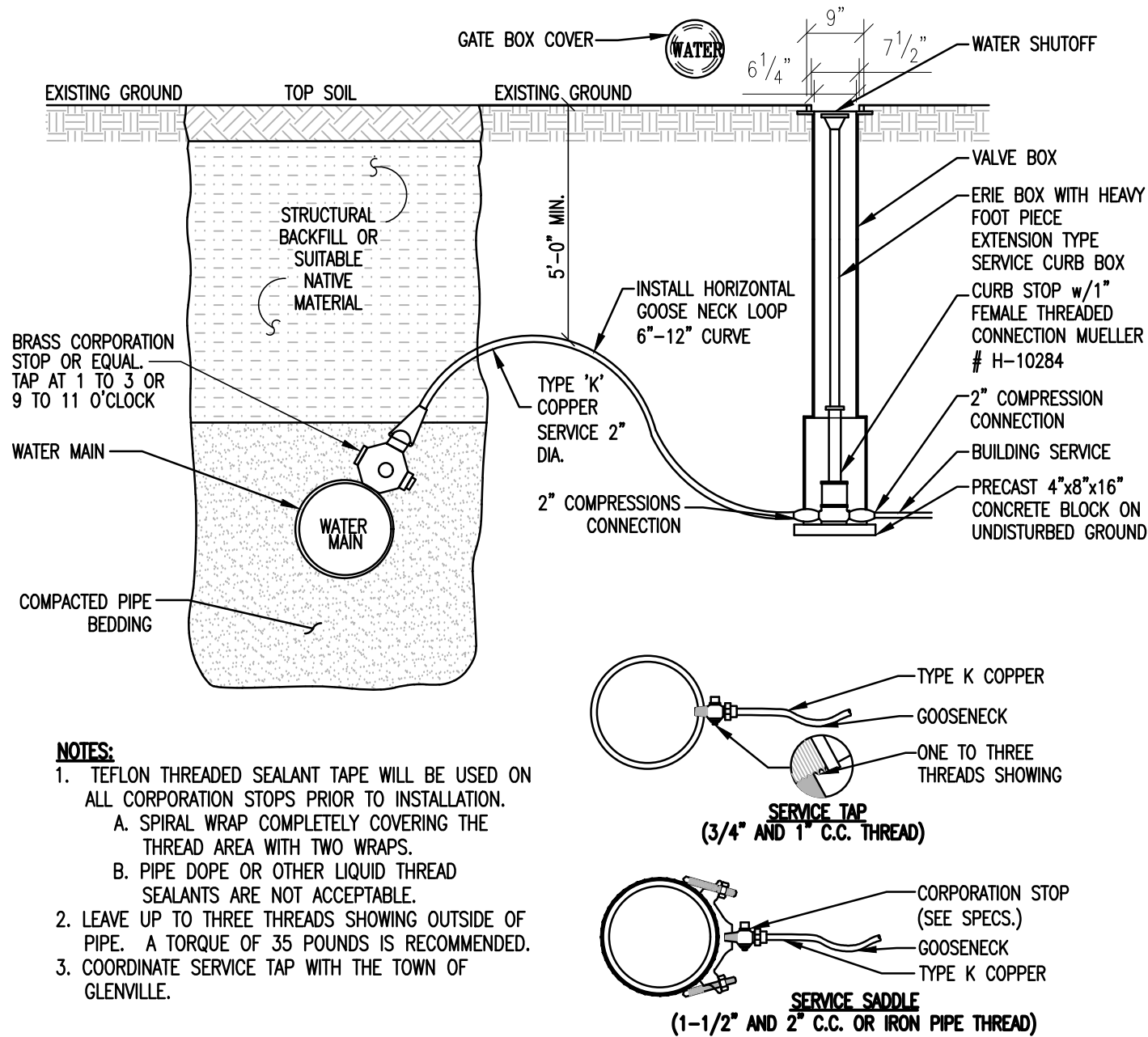
NOT TO SCALE 1



- NOTES:**
1. BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.
 2. NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PIPE TO INSURE PIPE IS NOT DAMAGED.
 3. TRENCH BACKFILL MATERIAL, INCLUDING ROADWAY LOCATIONS, SHALL BE NATIVE MATERIALS MEETING THE SITE/EARTHWORK SPECIFICATIONS OR IMPORTED STRUCTURAL FILL.
 4. LEDGE, ROCK, BOULDERS AND LARGE STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BELOW AND 12 INCHES ON EACH SIDE OF ALL PIPES.
 5. REFER TO SITE/EARTHWORK SPECIFICATIONS FOR PREPARATION OF SUBGRADE, PLACEMENT OF FILL MATERIALS, COMPACTION REQUIREMENTS, AND TESTING REQUIREMENTS.

WATER TRENCH DETAIL

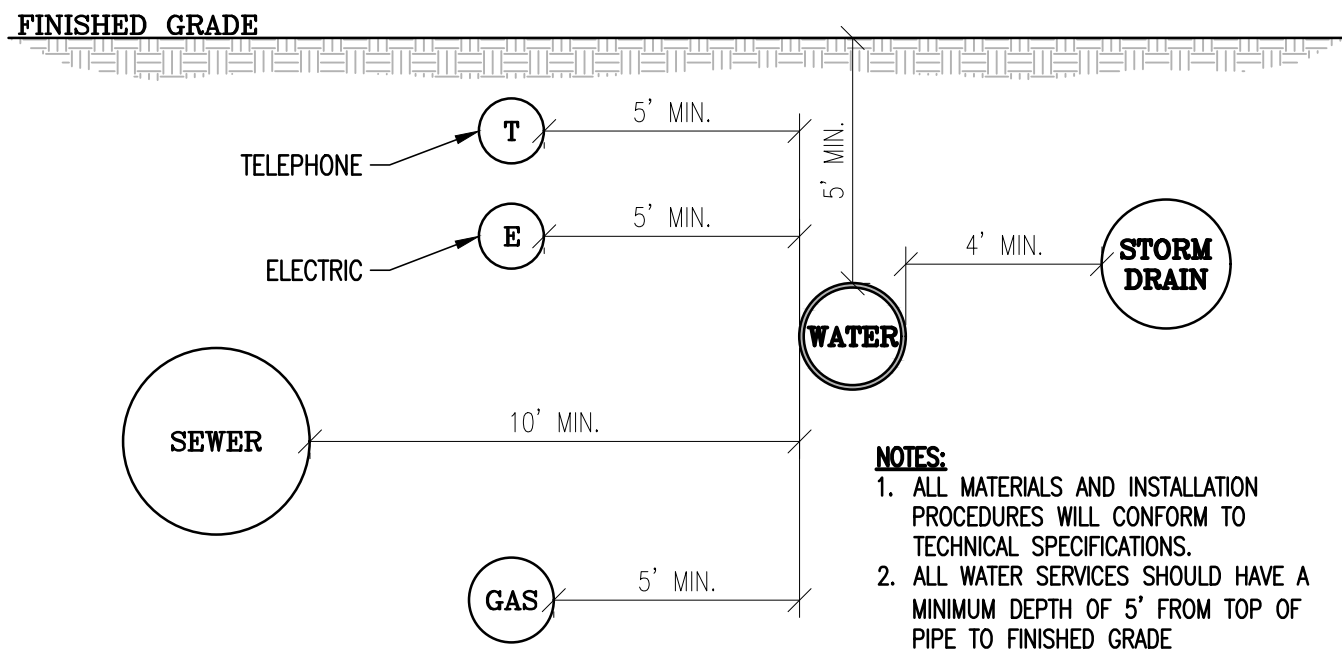
NOT TO SCALE 3



- NOTES:**
1. TEFLON THREADED SEALANT TAPE WILL BE USED ON ALL CORPORATION STOPS PRIOR TO INSTALLATION.
 - A. SPIRAL WRAP COMPLETELY COVERING THE THREAD AREA WITH TWO WRAPS.
 - B. PIPE DOPE OR OTHER LIQUID THREAD SEALANTS ARE NOT ACCEPTABLE.
 2. LEAVE UP TO THREE THREADS SHOWING OUTSIDE OF PIPE. A TORQUE OF 35 POUNDS IS RECOMMENDED.
 3. COORDINATE SERVICE TAP WITH THE TOWN OF GLENVILLE.

COPPER SERVICE CONNECTION DETAIL

NOT TO SCALE 4



WATER MAIN UTILITY SEPARATIONS

NOT TO SCALE 5

- NOTES:**
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO TECHNICAL SPECIFICATIONS.
 2. ALL WATER SERVICES SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISHED GRADE

SANITARY SEWER NOTES

- GENERAL**
1. BEFORE ANY SEWER WORK IS COMMENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE TOWN OF GLENVILLE DPW AT LEAST 48 HOURS IN ADVANCE.
 2. THE CONTRACTOR SHALL COLLECT AND MAINTAIN "AS BUILT" INFORMATION DURING THE INSTALLATION OF THE SEWER SYSTEM. "AS BUILT" DRAWINGS SHALL BE PREPARED **BY THE CONTRACTOR** UPON COMPLETION OF THE SEWER SYSTEM.
 3. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS DETAILED IN THE NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS. CONTRACTOR IS RESPONSIBLE FOR READING AND FOLLOWING THE COMPLETE EDITION PROVIDED BY THE STATE.
- SANITARY SEWERS**
- A. MATERIALS: THE BUILDING SEWER SHALL BE CONSTRUCTED IN A MANNER WHICH WILL PREVENT LEAKING, BREAKING OR CLOGGING. ACCEPTABLE MATERIALS FOR THE SEWER ARE RUBBER-RING-JOINTED PVC GRAVITY SEWER PIPE SDR35 ASTM D3034.
 - B. SIZING AND SLOPE: MINIMUM BUILDING SEWER SIZE IS 6 INCHES (UNLESS SHOWN ON THE PLAN) AND A MINIMUM SLOPE IS 0.01 FOOT PER FOOT.
 - C. CLEANOUTS: CLEANOUTS SHALL BE PROVIDED AT EACH HORIZONTAL CHANGE IN DIRECTION OF THE BUILDING SEWER GREATER THAN 45 DEGREES AND WHERE INDICATED ON THE DESIGN DRAWINGS. BUILDING SEWER CHANGES IN DIRECTION WHICH EXCEED 45 DEGREES SHOULD BE MADE WITH TWO 45 DEGREE ELBS OR LONG SWEEP FITTINGS. MANHOLES ARE ACCEPTABLE IN LIEU OF CLEANOUTS. WHERE BUILDING SEWERS ARE TO BE INSTALLED AT A DEPTH OF LESS THAN 3 FEET UNDER DRIVEWAYS ARE ANTICIPATED, EXTRA HEAVY CAST IRON PIPE SHALL BE USED.
 - D. TRENCHING: LEDGE, ROCK, BOULDERS AND LARGE STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BELOW AND 12 INCHES ON EACH SIDE OF ALL PIPES.
 - E. BEDDING: SEE TRENCH DETAILS THIS DRAWING FOR MATERIALS. TRENCH BACKFILL SHALL BE OF A NATIVE MATERIAL MEETING THE REQUIREMENTS OF THE SITE/EARTHWORK SPECIFICATIONS OR IMPORTED STRUCTURAL FILL FREE FROM DEBRIS, FROZEN MATERIAL, LARGE CLOUDS OR STONES, ORGANIC MATTER, OR OTHER UNSTABLE MATERIALS.
 - F. LEAKAGE TESTS: UPON COMPLETION OF SEWER SERVICE CONSTRUCTION, THE SEWER LINE SHALL BE TESTED IN ACCORDANCE WITH NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS.

LEAKAGE TESTS FOR GRAVITY SEWER LINES:

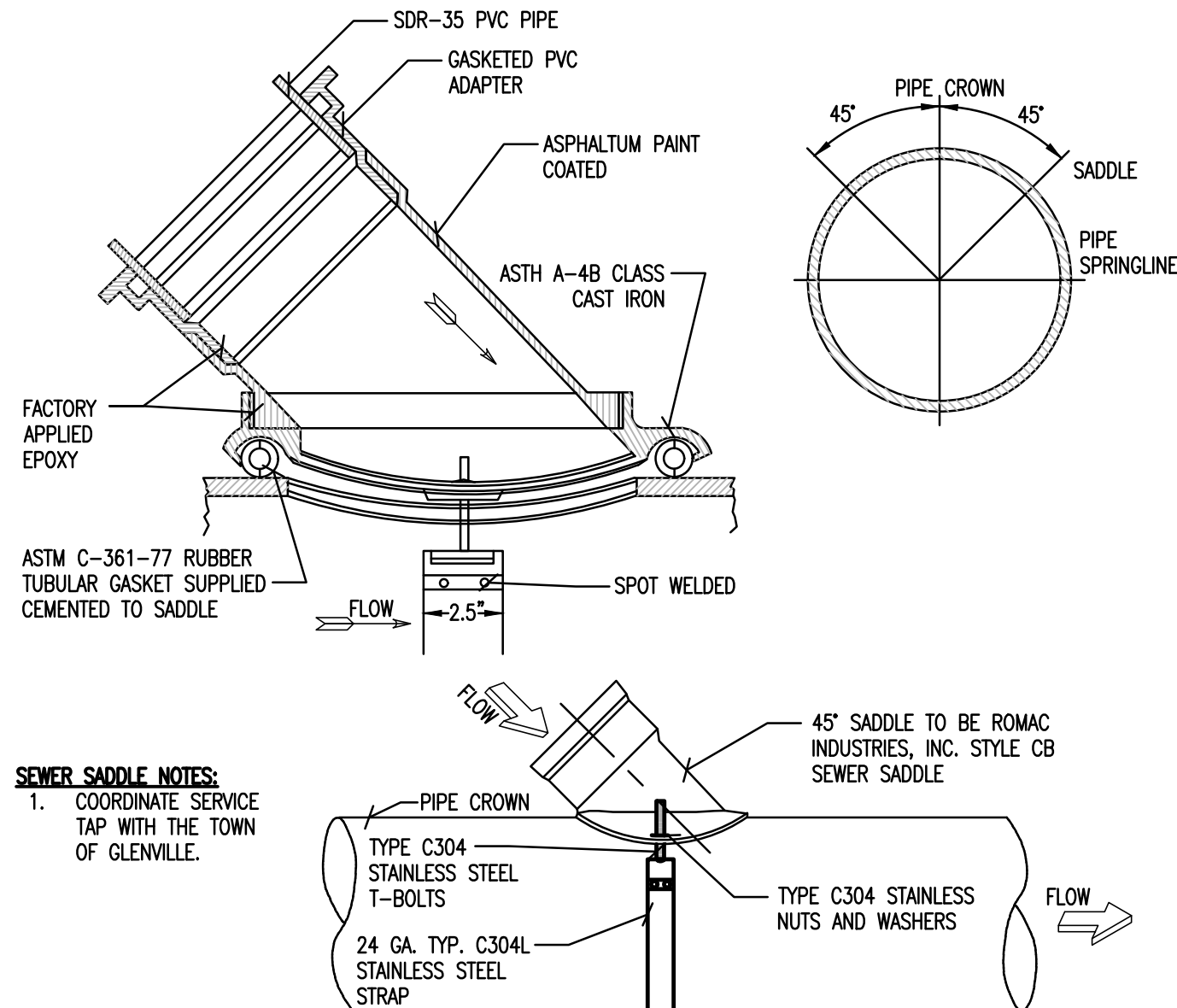
PERFORM A PRESSURIZED AIR TEST ON THE GRAVITY LINE IN ACCORDANCE WITH THE NHDDES ENVIRONMENTAL PROTECTION RULES ON EACH SECTION OF THE GRAVITY SEWER. THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE BEFORE THE TEST IS CONDUCTED. TEST MUST BE WITNESSED BY THE ENGINEER.

PLUG ALL OPENINGS IN THE TEST SECTION. ADD AIR UNTIL THE INTERNAL PRESSURE OF THE LINE IS RAISED TO APPROXIMATELY 4.0 POUNDS/SQUARE INCH (PSI) GREATER THAN THE AVERAGE PRESSURE OF ANY GROUND WATER. AFTER THIS PRESSURE IS REACHED, ALLOW THE PRESSURE TO STABILIZE. THE PRESSURE WILL NORMALLY DROP AS THE AIR TEMPERATURE STABILIZES. THIS USUALLY TAKES 2 TO 5 MINUTES DEPENDING ON THE PIPE SIZE. THE PRESSURE MAY BE REDUCED TO 3.5 PSI BEFORE STARTING THE TEST.

WHEN THE PRESSURE HAS STABILIZED AND IS AT OR ABOVE THE STARTING TEST PRESSURE OF 3.5 PSI ABOVE THE PIPE START THE TEST. IF THE PRESSURE DROPS MORE THAN 1.0 PSI DURING THE TEST TIME, THE LINE IS PRESUMED TO HAVE FAILED THE TEST. IF A 1.0 PSI DROP DOES NOT OCCUR WITHIN THE TEST TIME, THE LINE HAS PASSED THE TEST. THE TEST TIME SHALL BE DERIVED FROM THE FOLLOWING TABLE. IF THE SECTION OF LINE TO BE TESTED INCLUDES MORE THAN ONE PIPE SIZE, CALCULATE THE TEST TIME FOR EACH SIZE AND ADD THE TEST TIMES TO ARRIVE AT THE TOTAL TEST TIME FOR THE SECTION.

PIPE SIZE (IN)	T (TIME) (MIN./100FT)
3	0.2
4	0.3
6	0.7
8	1.2
10	1.5
12	1.8

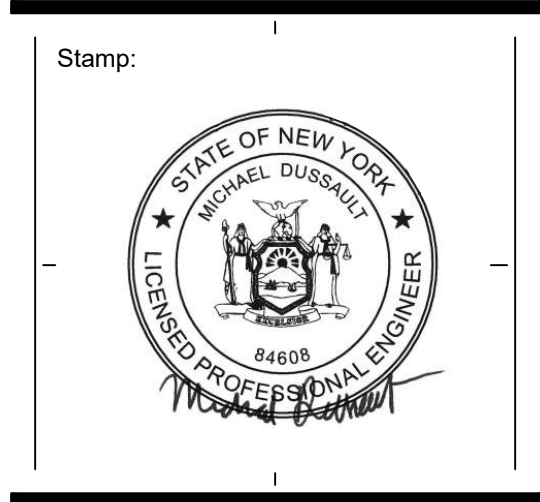
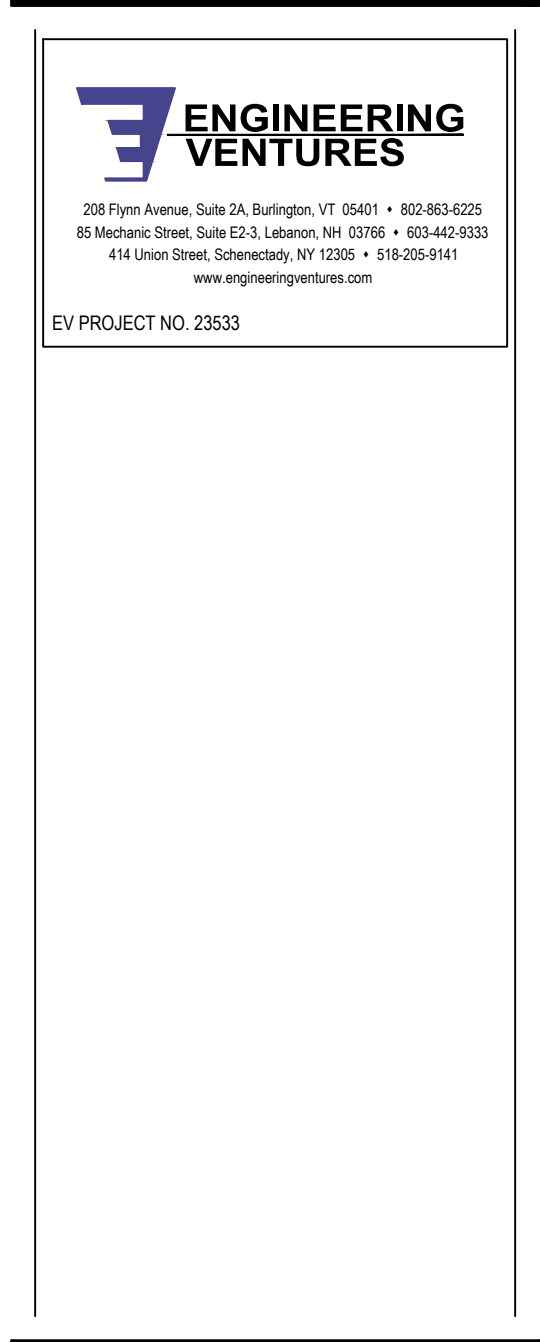
- G. INSTALLATION: PIPE SHALL BE LAID WITH BELL ENDS FACING UPGRADE AND LAYING SHALL START AT THE DOWNGRADE END.
- H. WATER/SEWER SEPARATION: SEE DETAIL THIS SHEET.



- SEWER SADDLE NOTES:**
1. COORDINATE SERVICE TAP WITH THE TOWN OF GLENVILLE.

SEWER SADDLE DETAIL

SCALE: NONE 2



Project: NEW CONSTRUCTION
FOR:
MID-STATE INDUSTRIES
OFFICE & WAREHOUSE
Airport Road Town of Glenville, NY

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Drawn By:	Engineering Ventures
Scale:	As Noted
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Sheet Number:	C506