

LEGEND

PROPOSED CONTOURS

PROPOSED LIMITS OF CLEARING

PROPOSED POROUS PAVEMENT

PROPOSED PAVEMENT MARKINGS

HANDICAPPED PARKING

PROPOSED STANDARD PAVEMENT

PROPOSED PEA STONE DIAPHRAM

PROPOSED DRY SWALE

PROPOSED CATCH BASIN

PROPOSED STORM SEWER

PROPOSED ROOF DRAIN AND DOWNSPOUT

PROPOSED UNDERDRAIN

PROPOSED SNOW STORAGE

EXISTING CONTOURS

EXISTING WATER LINE

EXISTING SANITARY SEWER

EXISTING TEL SERVICE

EXISTING ELECTRICAL SERVICE

SITE COVERAGE STATISTICS

No. 24 NEW KARNER ROAD

description	s.f.	acres	%
building area	26,695	0.61	13.5%
paved area	62,252	1.43	31.5%
porous pavement	34,035	0.78	17.2%
green area	108,508	2.49	55.0%
total area	197,455	4.53	100.0%

PARKING TABLE

No. 24 NEW KARNER RD

description	amount
handicap spaces	5
total	100

PHASE 1 SITE PLAN

DRAWING INDEX

DRAWING INDEX	SHEET NAME
C1	OVERALL PLAN
C2	DETAILS
C3	UTILITY PLAN
C4	UTILITY DETAILS AND PROFILES
C5	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS

TRUCK T-TURN

OVERALL PLAN

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Consulting Engineers
and Land Surveyors

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Albany, New York 12203

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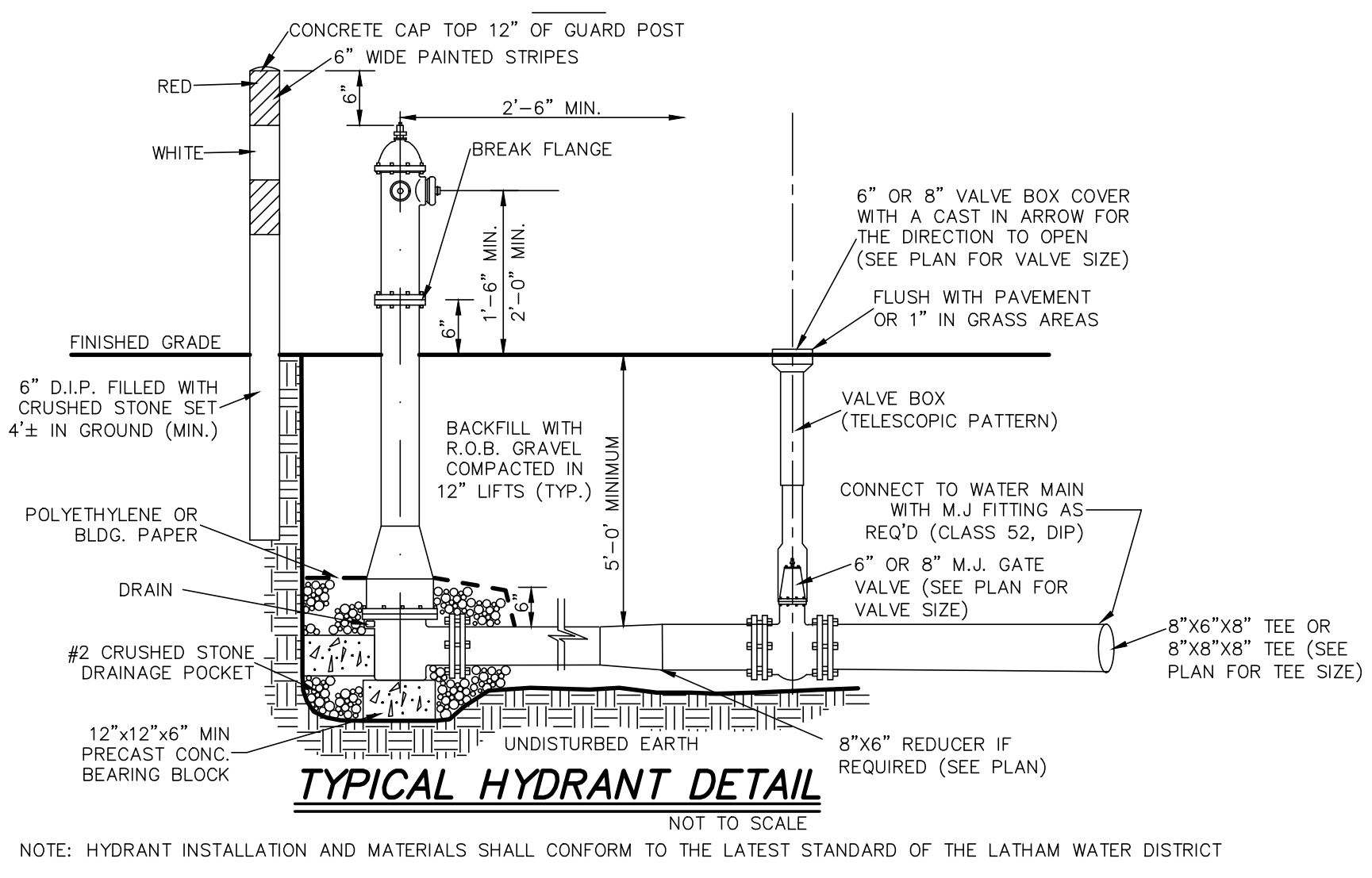
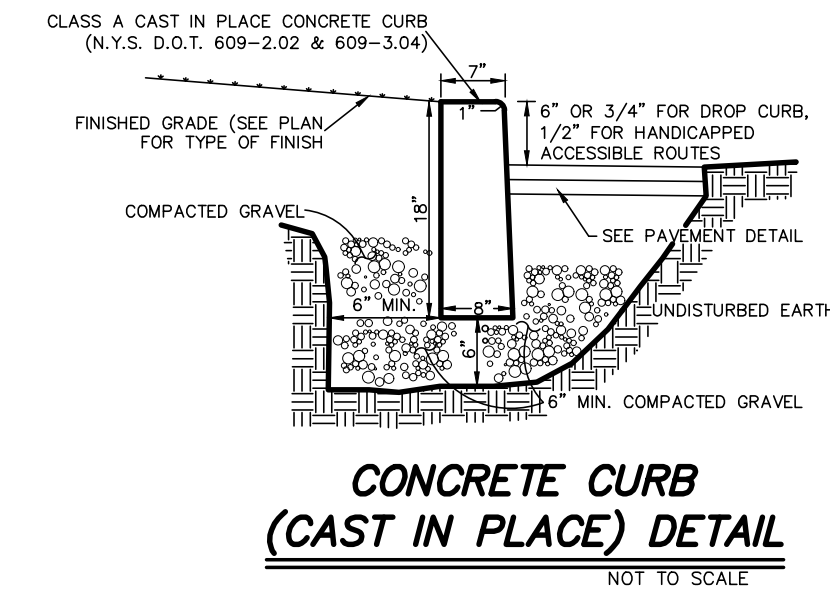
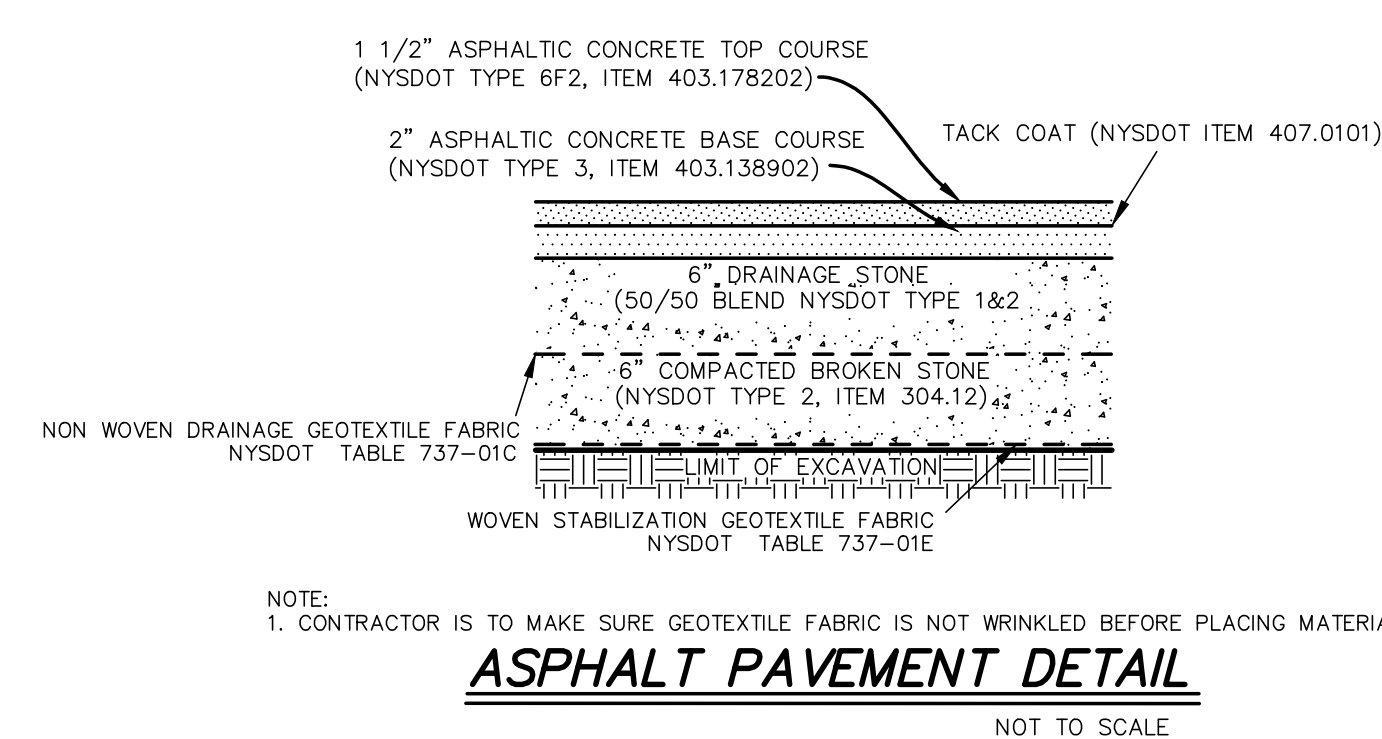
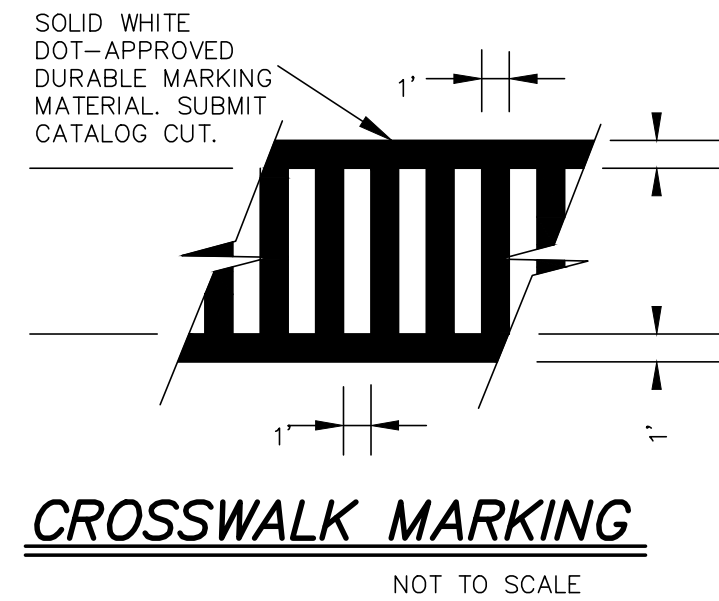
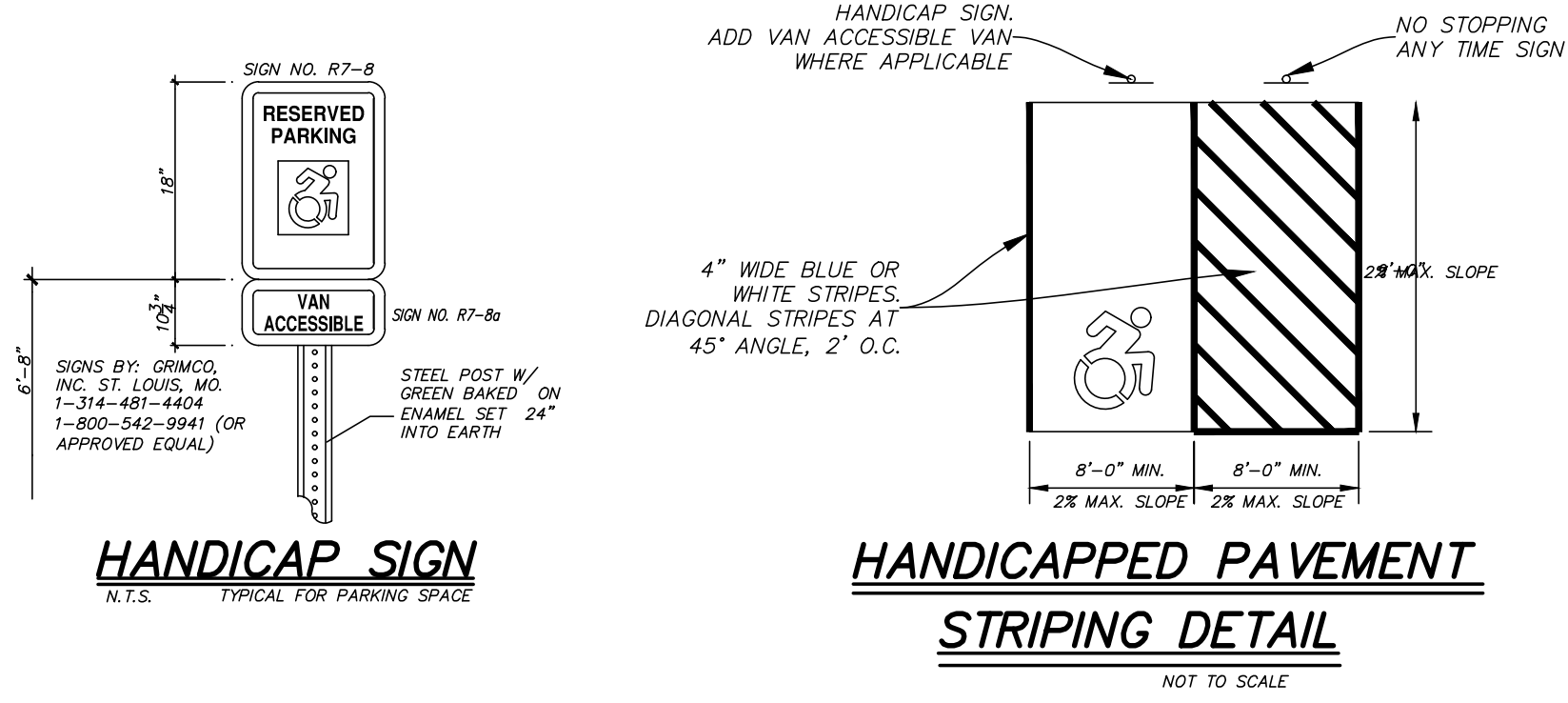
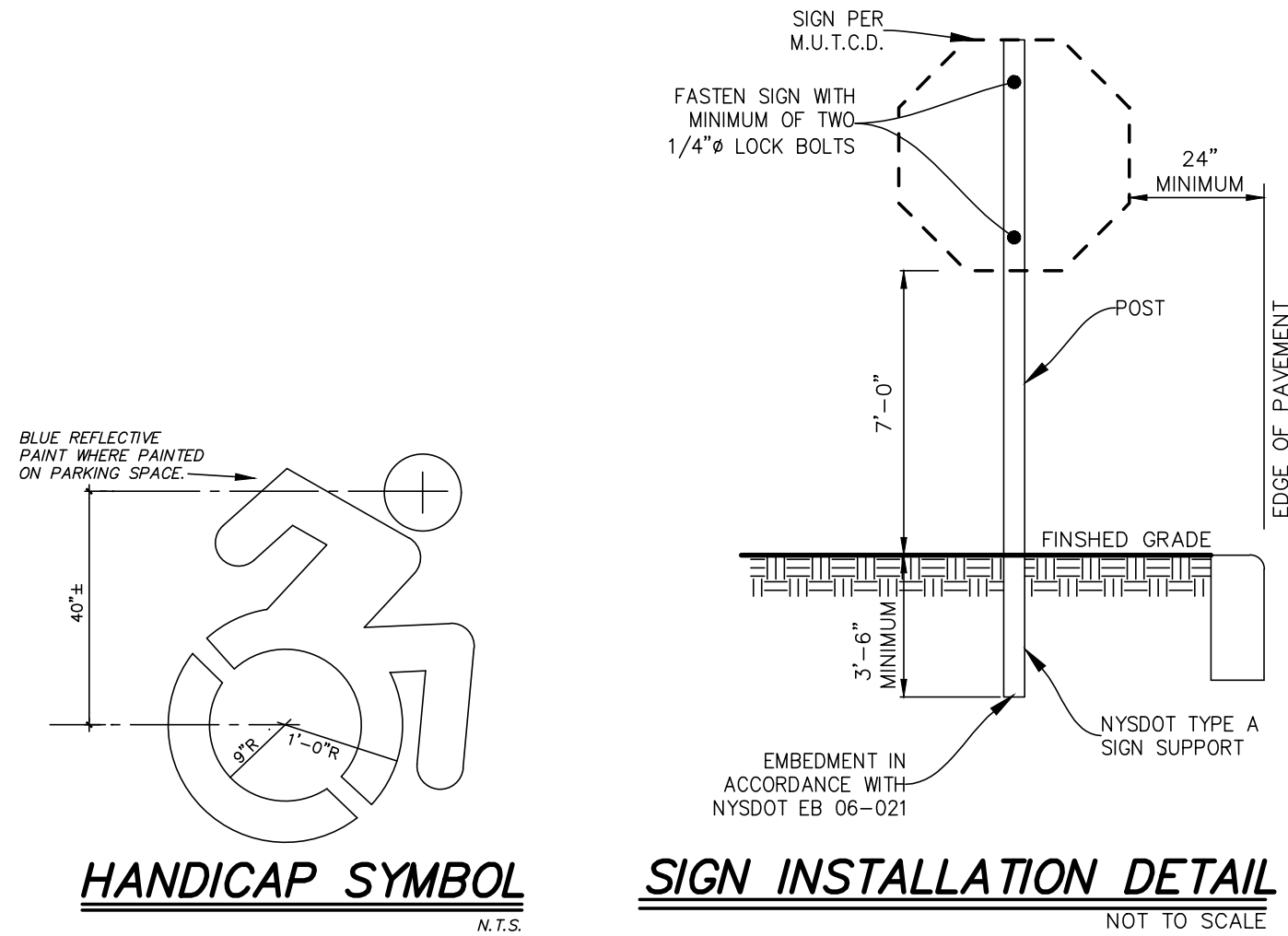
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REMARKS	
REVISIONS	

OVERALL PLAN FOR
No. 24 NEW KARNER ROAD
TOWN OF GUILDERLAND, COUNTY OF ALBANY,
STATE OF NEW YORK

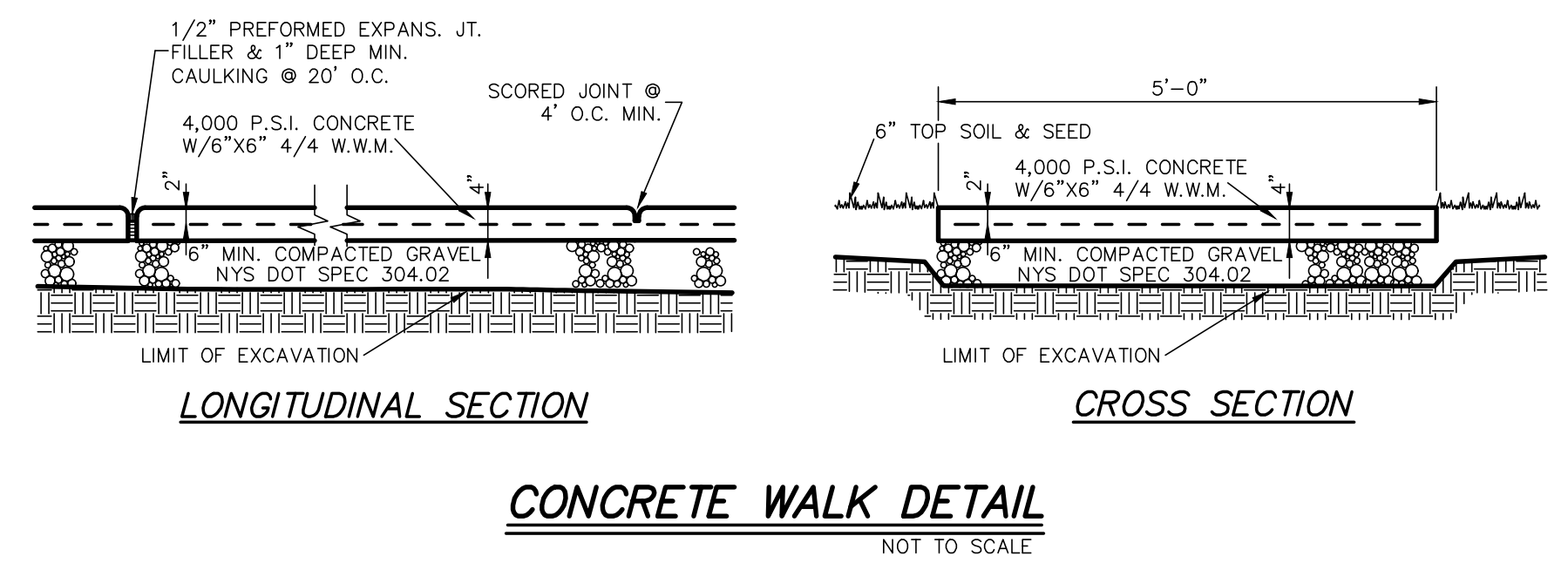
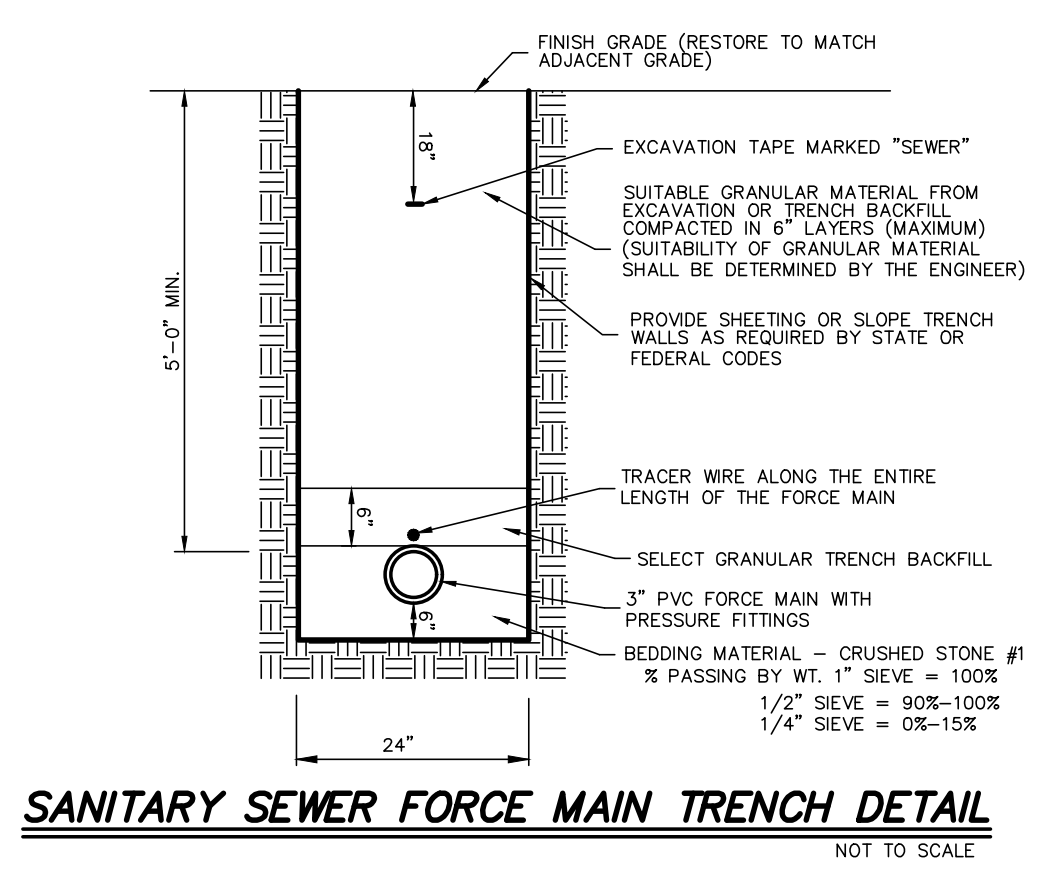
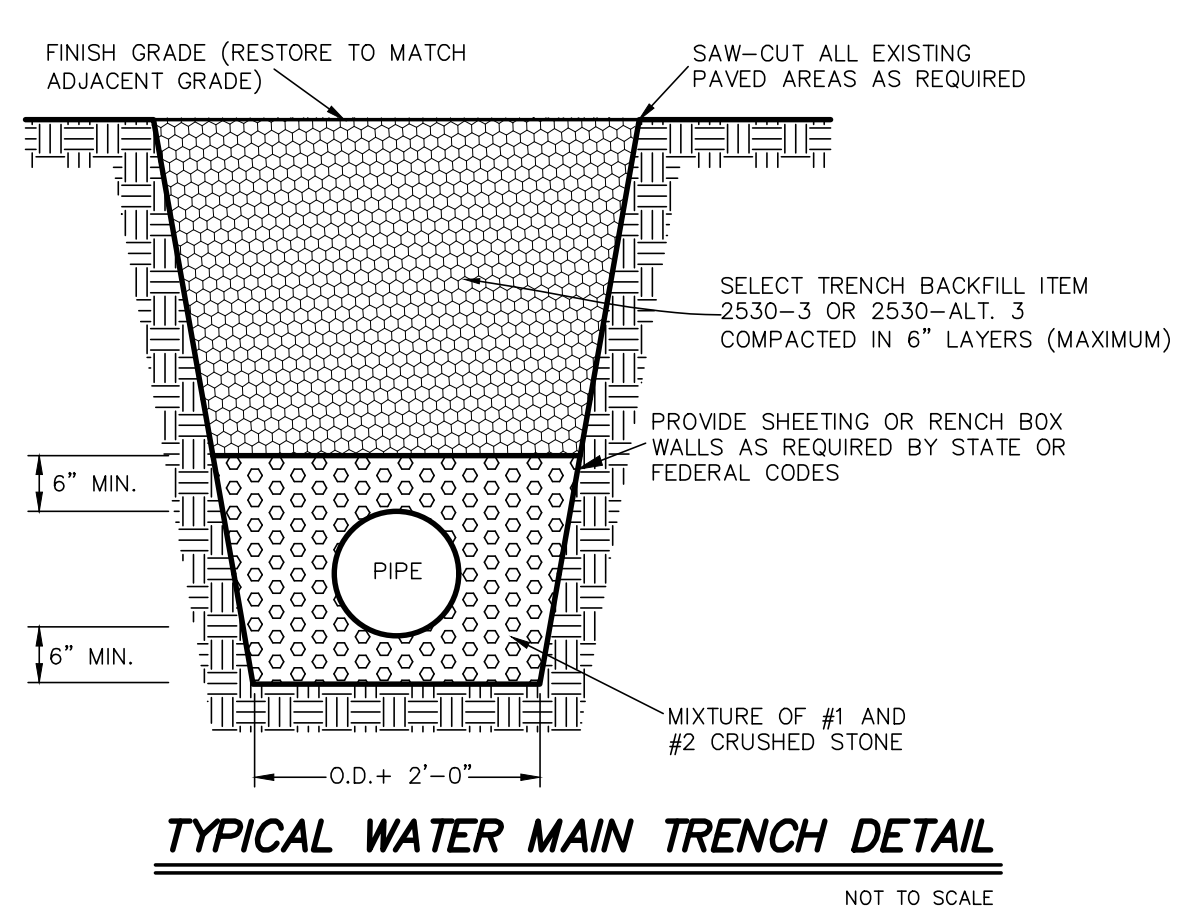
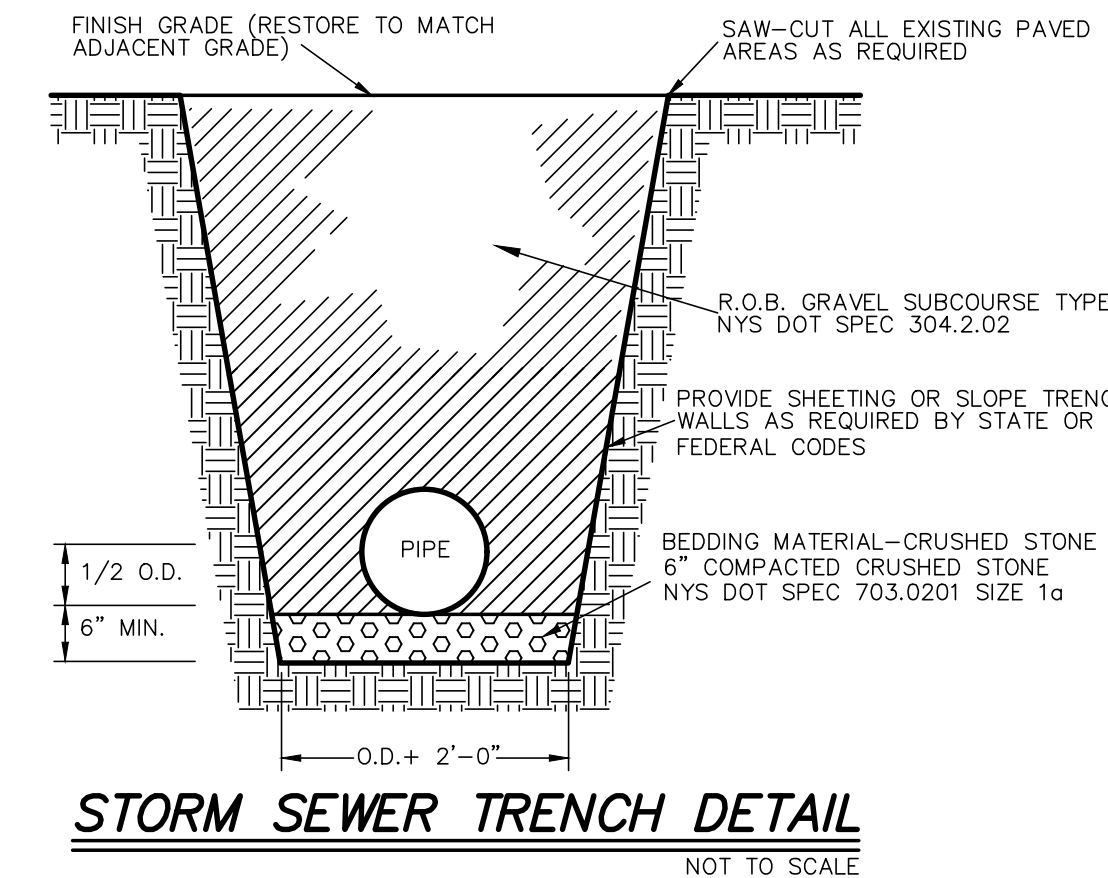
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DATE: 4/16/21
CHK: DRH
BY: MJB
FILE: 202285

202285-1.DWG

C1



- SANITARY SEWER FORCE MAIN TESTING**
- TEST SERVICES IN ACCORDANCE WITH UPC AND AWWA APPLICABLE STANDARDS. FURNISH EQUIPMENT FOR TESTS. PERFORM TESTS IN THE PRESENCE OF, AND TO SATISFACTION OF, THE PLUMBING INSPECTOR AND THE ENGINEER.
 - CLEAN WORK, INCLUDING VALVE & HANDLES THOROUGHLY AND LEAVE READY FOR USE.
 - TESTING:
 - AFTER INSTALLING AND BACKFILLING THE PIPE, CONTRACTOR SHALL TEST IN CONFORMANCE TO AWWA C600, SECTION 4.
 - CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR PROCUREMENT OF WATER FOR PRESSURE AND LEAKAGE TESTING. CONTRACTOR SHALL FURNISH THE NECESSARY LABOR, PUMPS, VALVES, PRESSURE GAUGES, WATER METERS, AND ALL OTHER EQUIPMENT REQUIRED FOR THIS PURPOSE.
 - EACH SECTION OF PIPE SHALL BE SLOWLY FILLED WITH WATER. ALL AIR SHALL BE EXPELLED FROM THE PIPE. BLOW-OFFS, OR ANY TAP TAPS MUST BE REMOVED AND THE HOLES PLUGGED AFTER ACCEPTANCE) THAT MAY BE NECESSARY FOR THE RELEASE OF AIR FROM THE HIGHEST POINTS. IT SHALL THEN BE SUBJECT TO A STATIC PRESSURE TEST, AT OPERATING PRESSURE, FOR A PERIOD OF EIGHT (8) HOURS, WITH PRESSURE VARIATION NOT TO EXCEED 5 P.S.I.
 - ANY CRACKED OR DEFECTIVE PIPES, FITTINGS, VALVES, OR APPURTENANCES DISCOVERED IN CONSEQUENCE OF THE PRESSURE TEST, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR WITH SOUND MATERIAL AND THE TEST SHALL BE REPEATED TO SATISFACTION OF ENGINEER. PIPE NOT PASSING THE TEST SHALL BE TAKEN OUT, A NEW GASKET SUPPLIED AND RELAYED.



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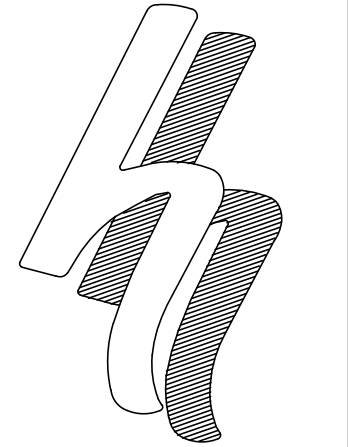
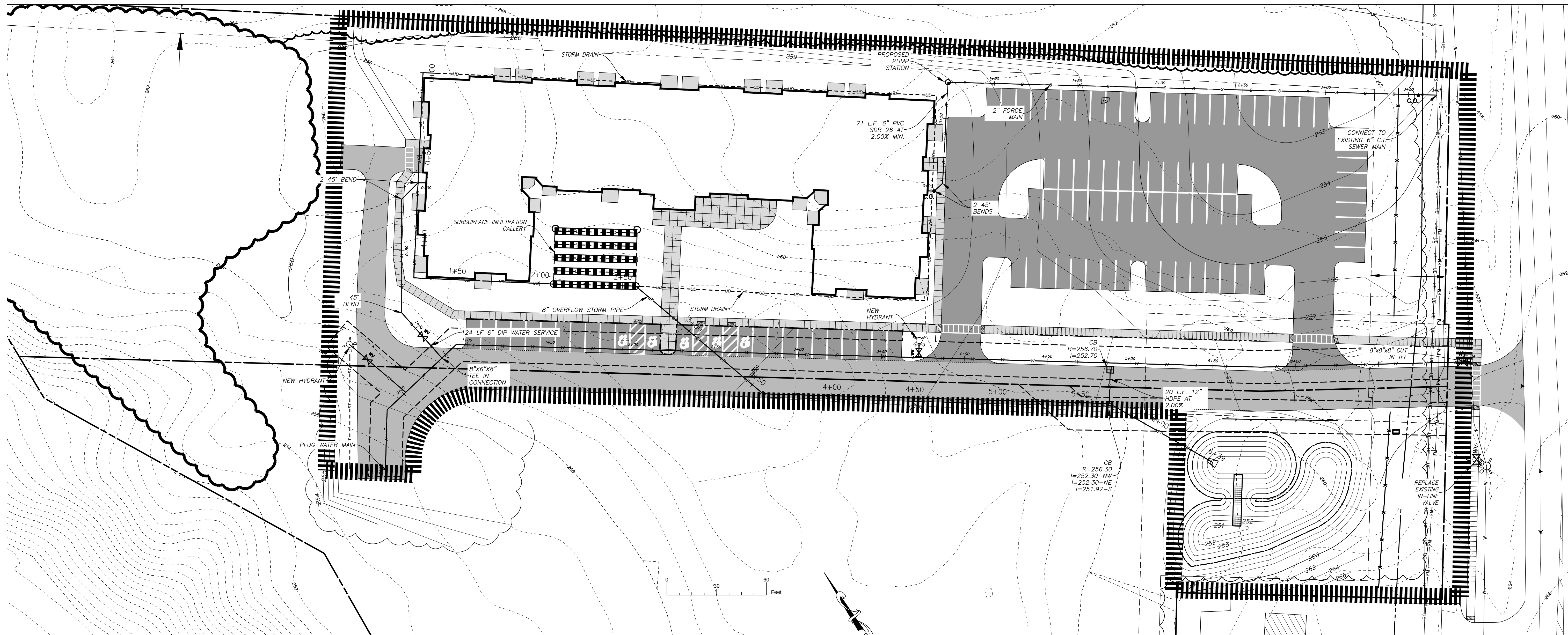
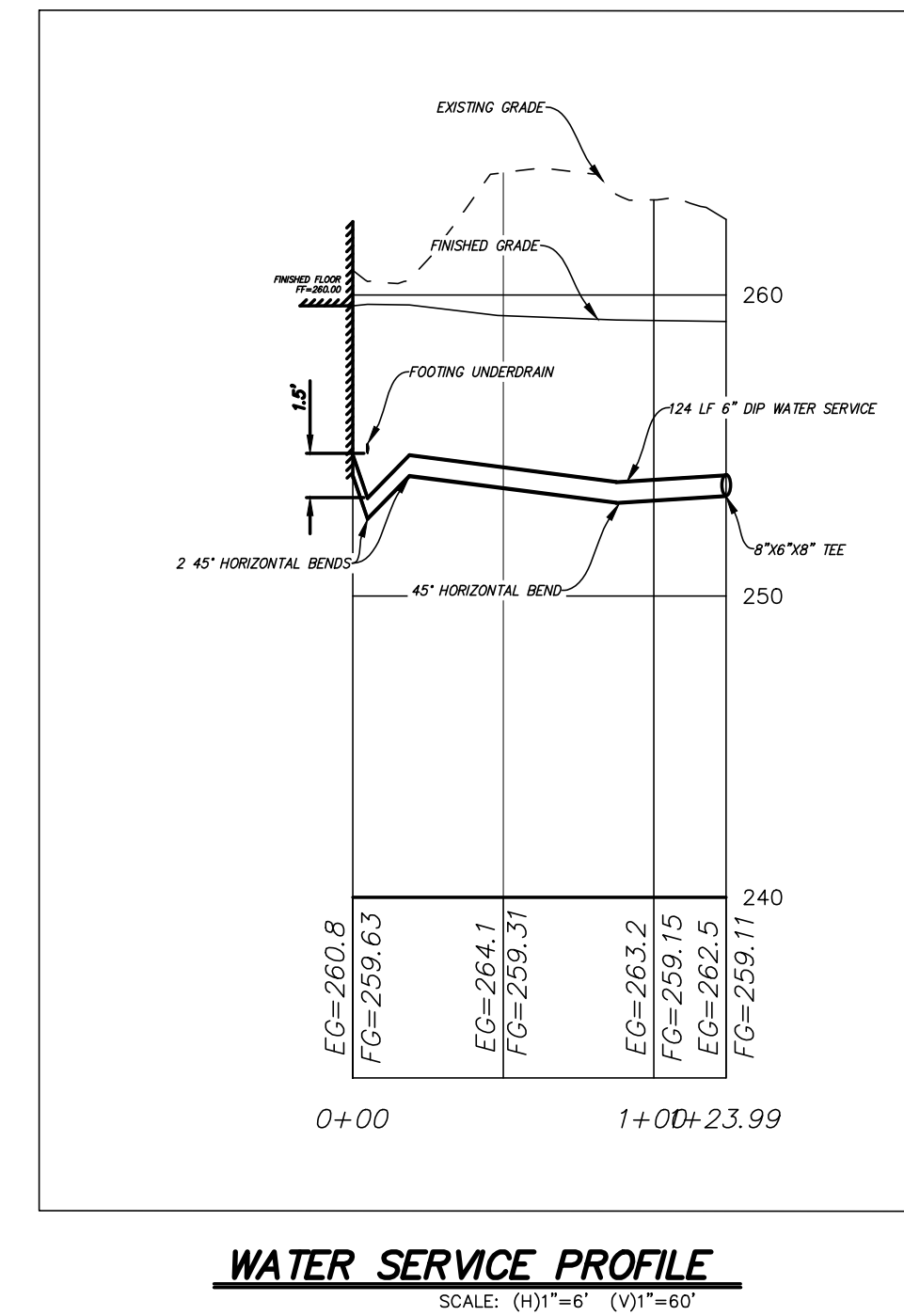
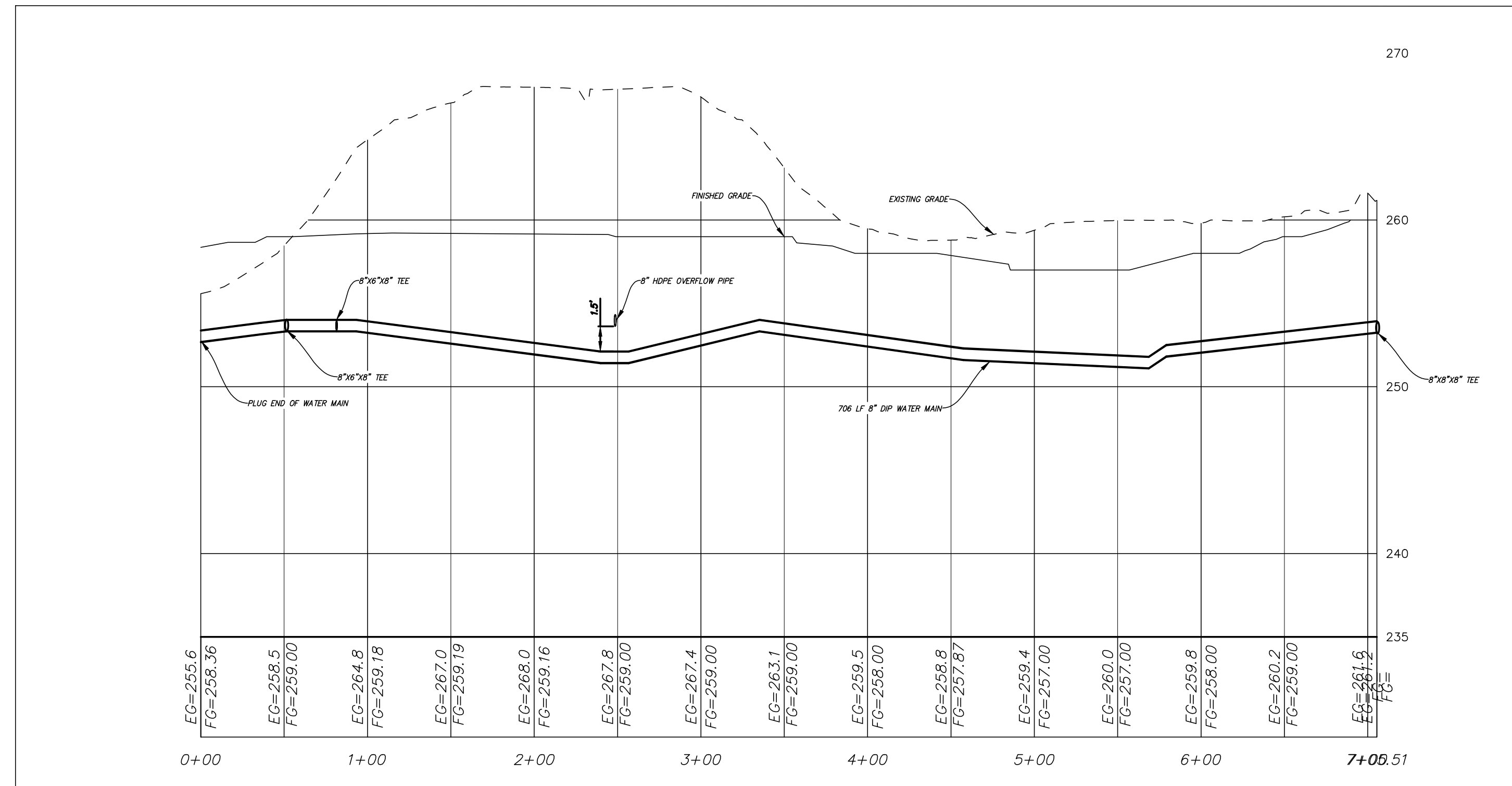


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DETAILS FOR
No. 20 & 24 NEW KARNER ROAD
TOWN OF GUILDERLAND, COUNTY OF ALBANY,
STATE OF NEW YORK

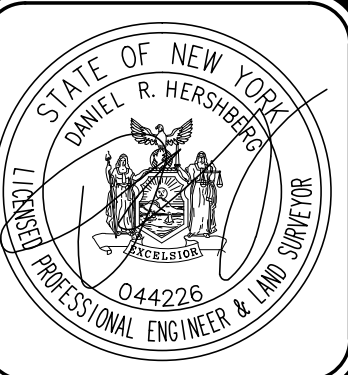
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DATE: 4/16/21
CHK: DRH
BY: MJB
200285-1.DWG

- LEGEND**
- PROPOSED CONTOURS
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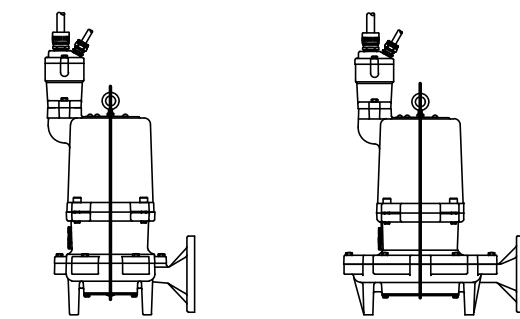
UTILITY PLAN FOR
No. 20 & 24 NEW KARNER ROAD
TOWN OF GUILDERLAND, COUNTY OF ALBANY,
STATE OF NEW YORK

FILE: 202285
SCALE: 1"=40'
BY: MJB
CHK: DRH
DATE: 4/16/21
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TYPICAL INSTALLATION
DUPLEX SUBMERSIBLE GRINDERS

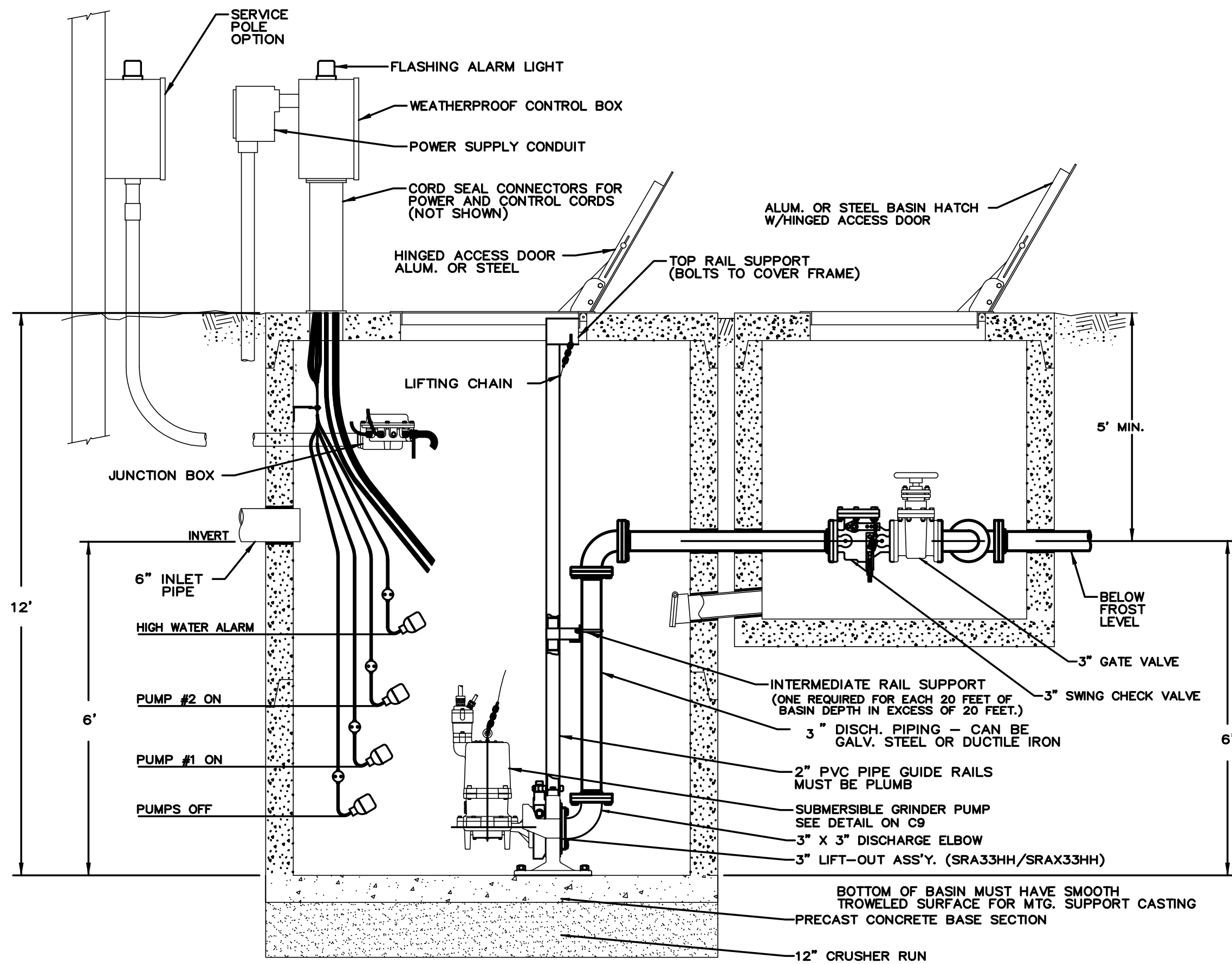
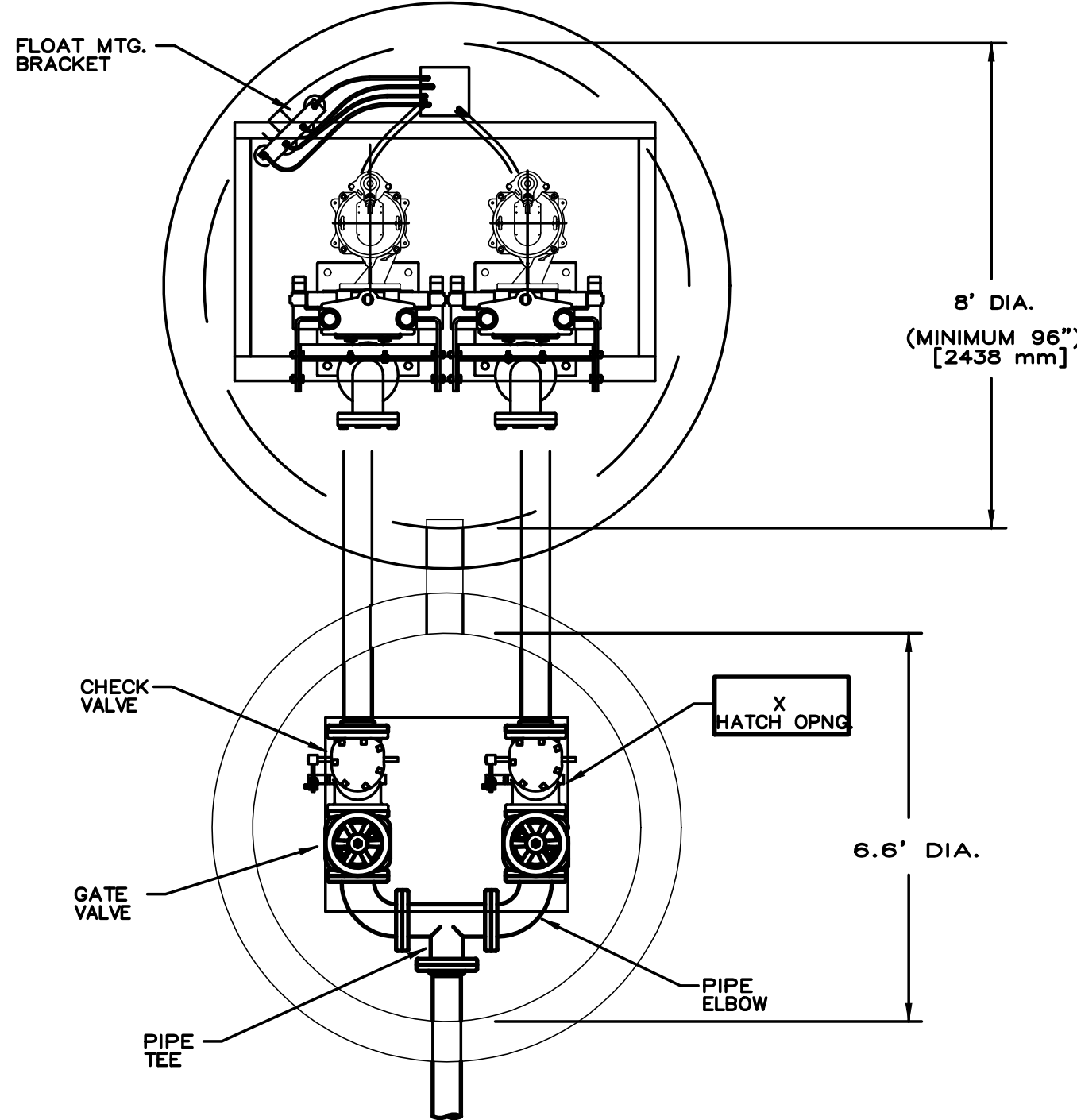
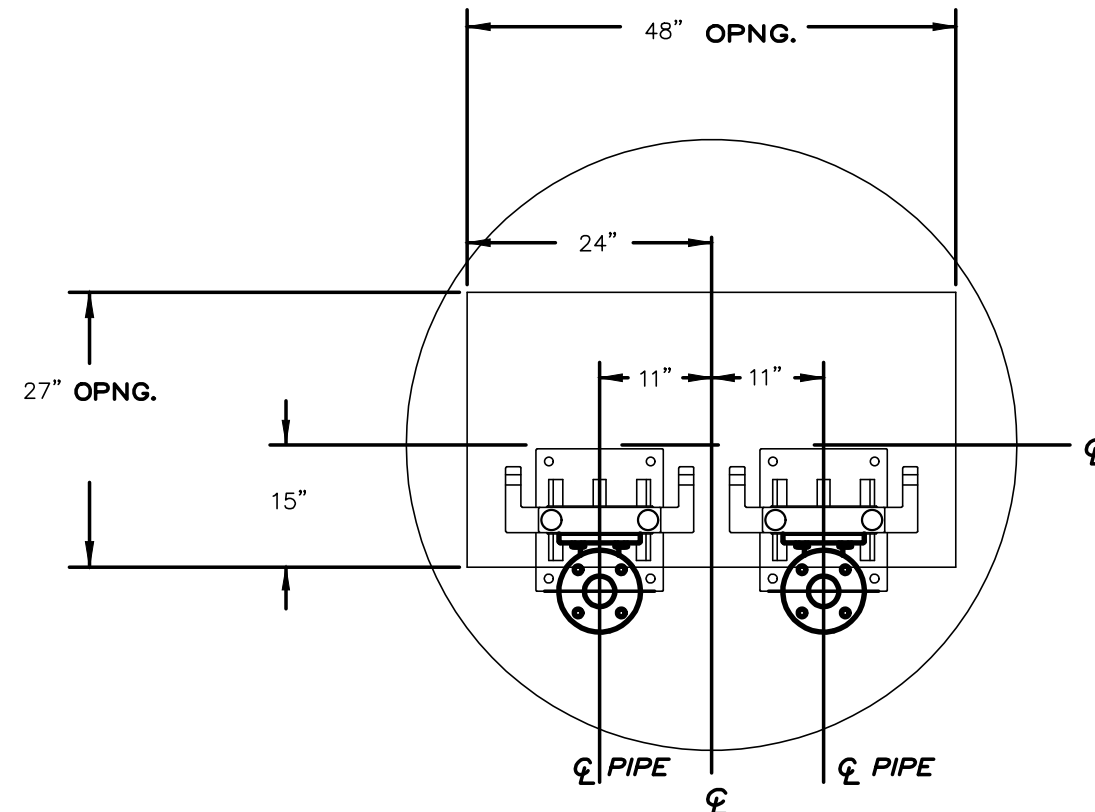
PUMP SERIES: HPGHH/HPGHHX
HPGFH/HPGFHX
LIFT OUT MODELS: TL33HH
TLX33HH

ES-XXXX 030CT13 WM
REV. A 030CT13

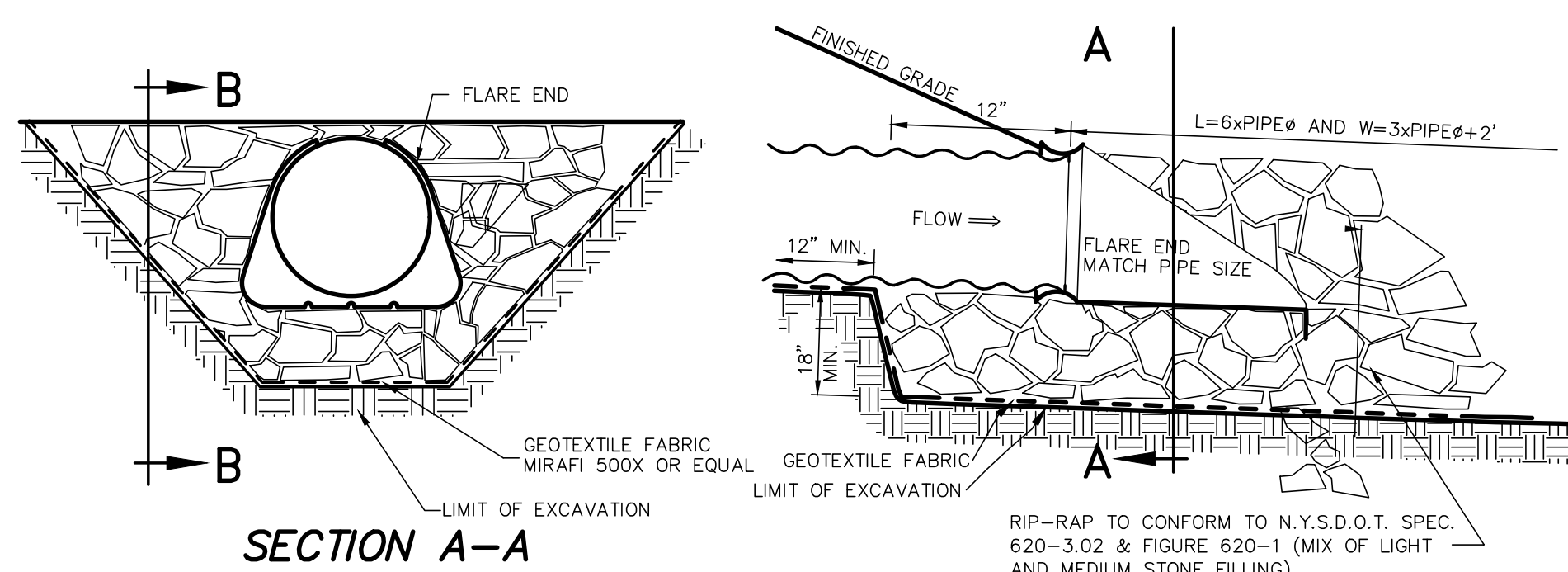


HPGHH/HPGHHX

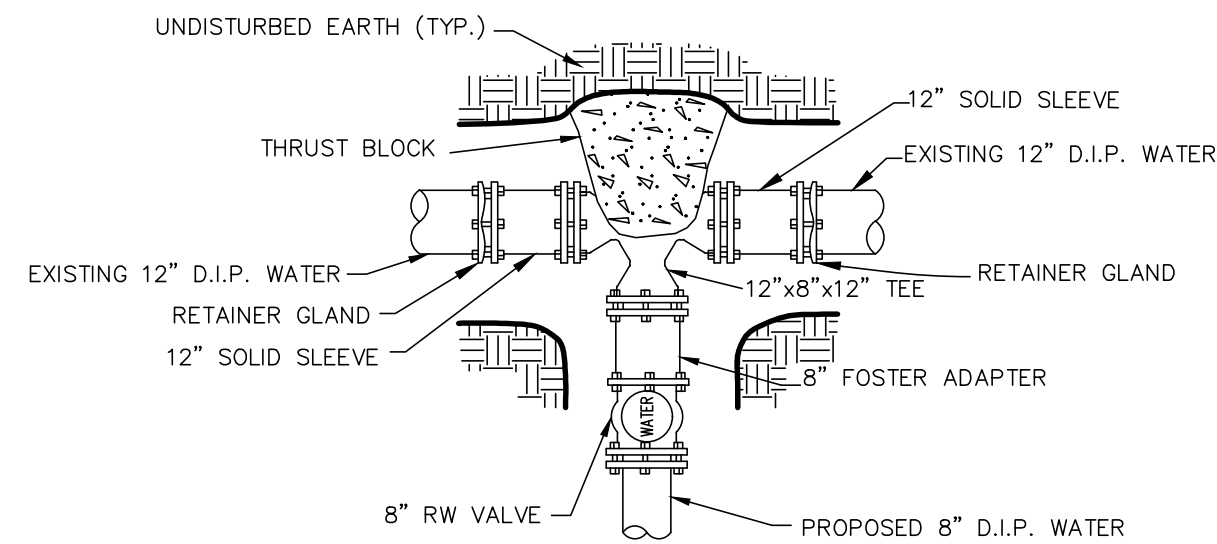
HPGFH/HPGFHX



PUMP STATION DETAILED SECTION
NOTE TO SCALE



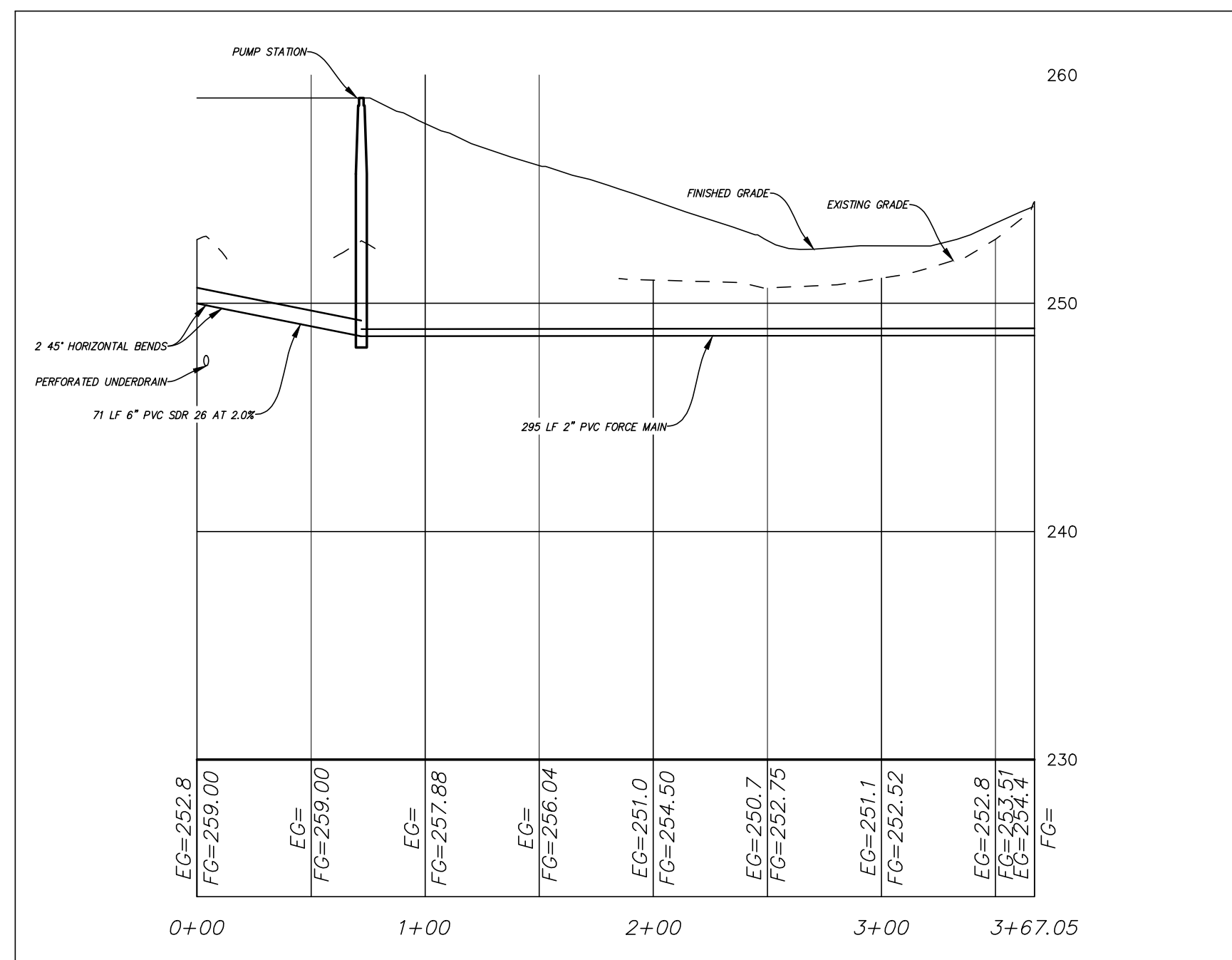
FLARE END SECTION DETAIL
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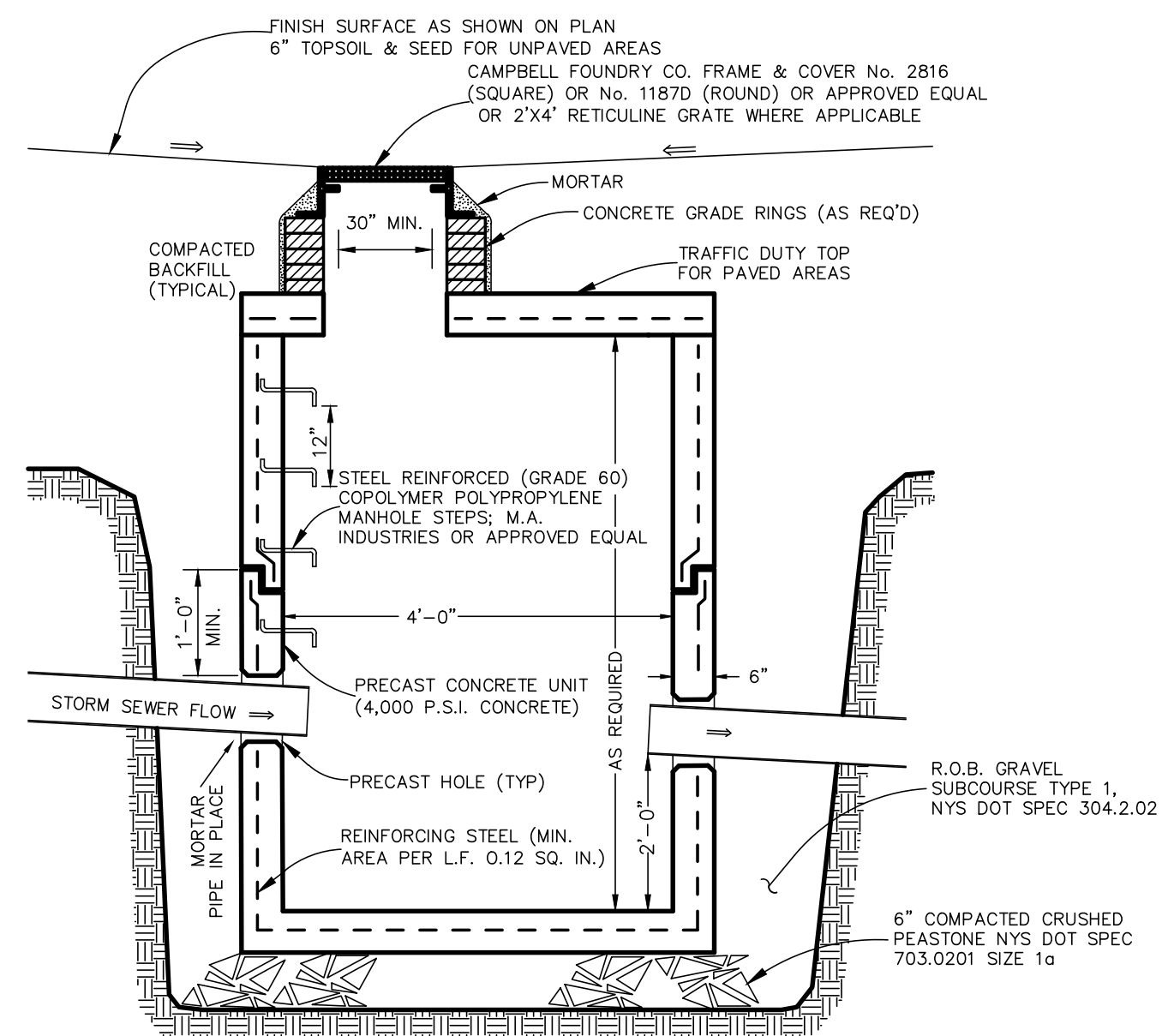
CUT IN TEE DETAIL
NOT TO SCALE



STORM SEWER PROFILE
SCALE: (H)1"=6' (V)1"=6'

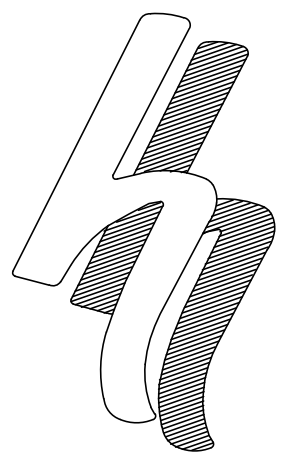


SANITARY SEWER PROFILE
SCALE: (H)1"=6' (V)1"=6'



CATCH BASIN DETAIL
NOT TO SCALE

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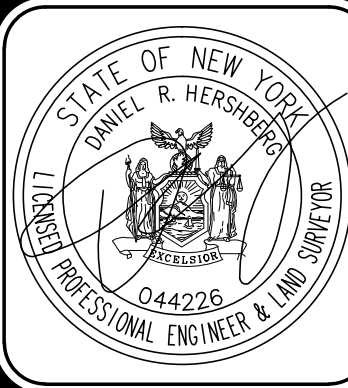


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UTILITY DETAILS AND PROFILES FOR
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202285-1.DWG

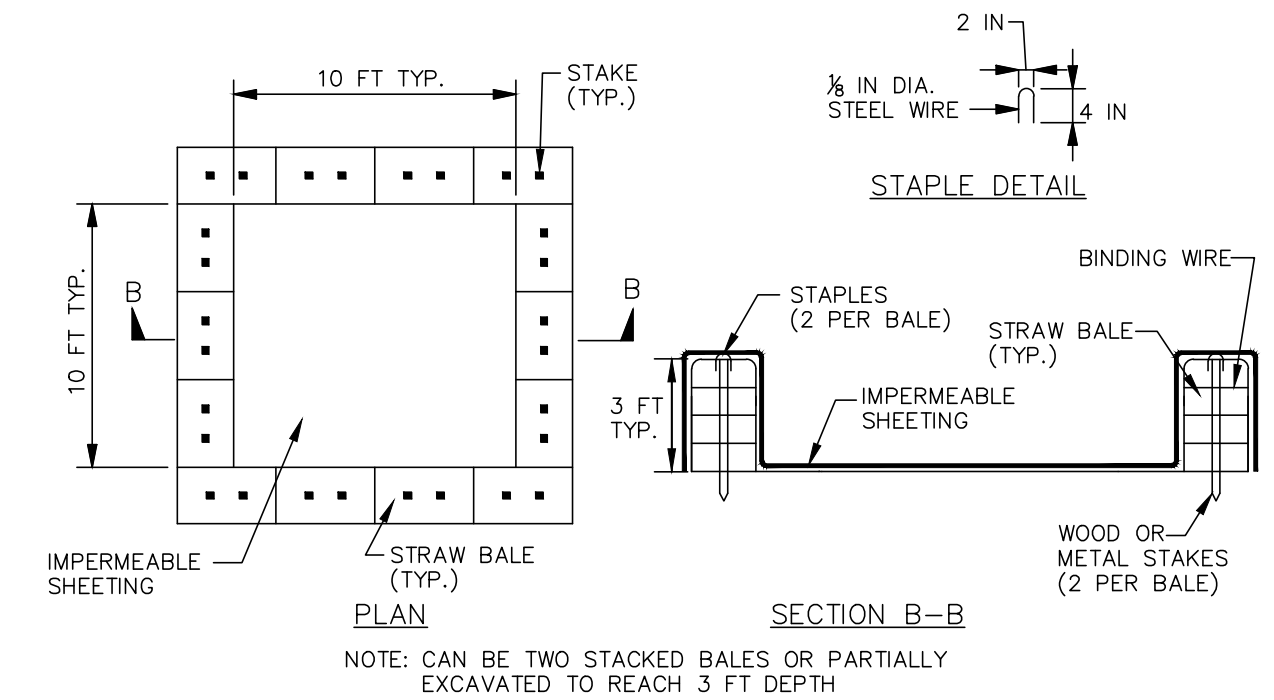
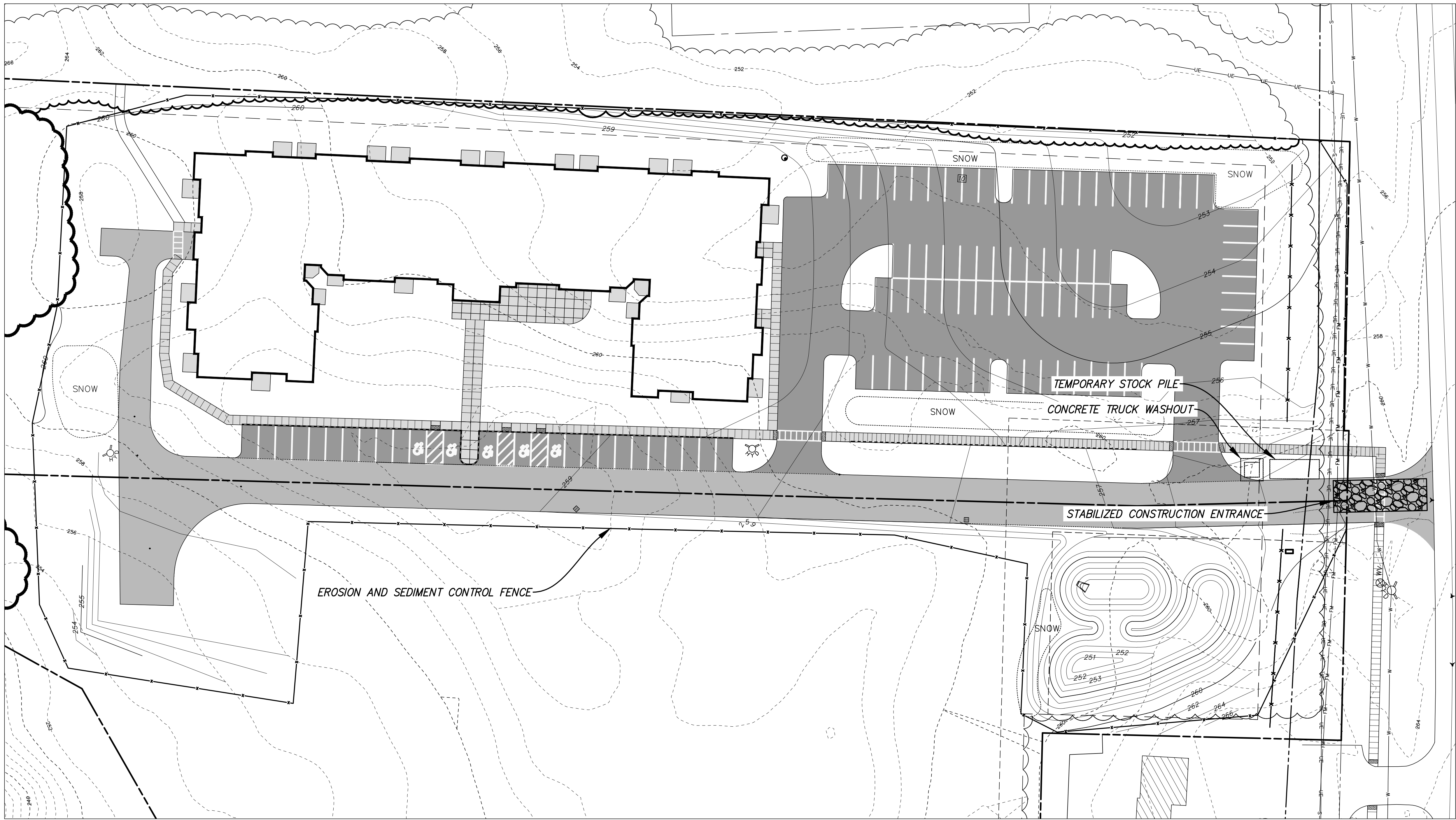
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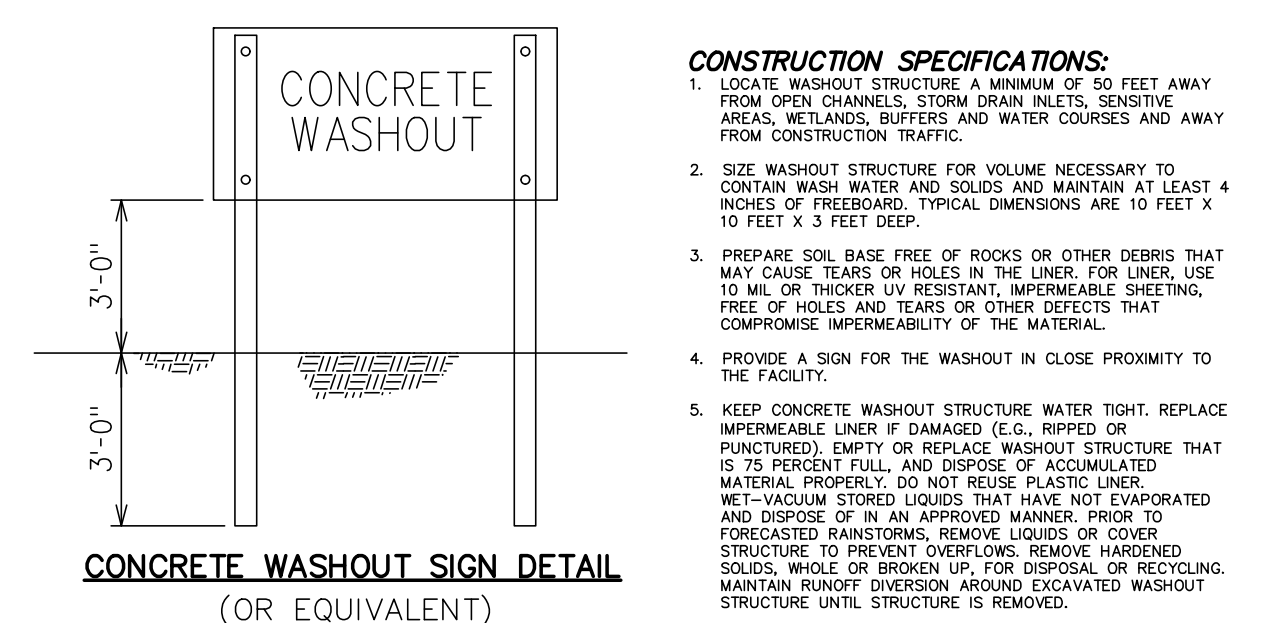
BY: MJB

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FILE: 202285



WASHOUT STRUCTURE WITH STRAW BALES



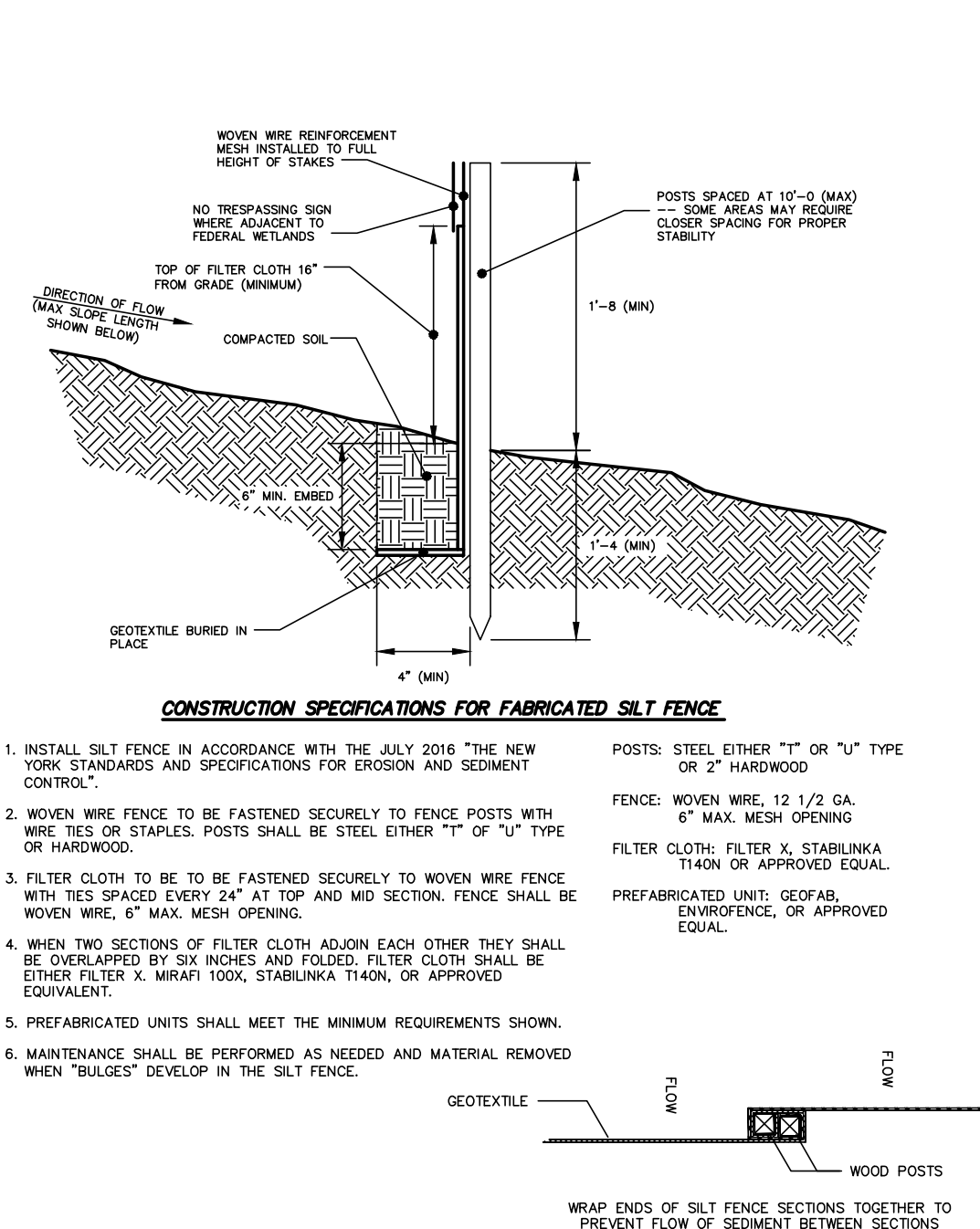
CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)

ONSITE CONCRETE TRUCK WASHOUT STRUCTURE DETAIL

CONSTRUCTION SEQUENCING AND SEDIMENTATION AND EROSION CONTROL DURING CONSTRUCTION

CONSTRUCTION OF THE ACCESS ROAD AND UTILITY LINE WILL ENTAIL MEASURES TO PREVENT UNAUTHORIZED INCURSIONS INTO WOTUS. THESE MEASURES WILL INCLUDE SILT FENCE AND ORANGE CONSTRUCTION FENCE DEMARCATING THE AUTHORIZED LIMITS OF DISTURBANCE. EROSION/SEDIMENT MEASURES WILL BE IMPLEMENTED AS REQUIRED. ADDITIONAL MEASURES FOR WORK IN EMERGENT WETLANDS IN THE AG FIELD INCLUDES:

- ✓ ORANGE CONSTRUCTION FENCE AND SILT FENCE WILL BE INSTALLED AS PER PLANS TO PROTECT WETLANDS FROM GENERAL CONSTRUCTION TRAFFIC AND SHALL ONLY BE REMOVED WHEN WORK IS COMPLETED AND THE WORK AREA HAS BEEN STABILIZED.
- ✓ FOR INSTALLATION OF RACK POSTS, CONTRACTOR WILL USE LOW GROUND IMPACT EQUIPMENT (6 PSI OR LESS) OR PROTECTIVE MATTING (IE. TIMBER MATS) THROUGH WETLAND AREAS WHEN NEEDED TO AVOID SOIL COMPACTION AND RUTTING.
- ✓ SEASONAL CONDITIONS:
 - ✓ FROZEN GROUND: NO RESTRICTIONS OR PROTECTIVE MEASURES REQUIRED.
 - ✓ WET SEASON: CONTRACTOR WILL REFRAIN FROM MOVING TRACK MACHINERY INTO WETLAND AREAS EACH YEAR FROM OCTOBER 1ST TO DECEMBER 1ST EACH YEAR AND APRIL 1ST TO JUNE 1ST EACH YEAR.
- ✓ UNDER ALL OTHER CONDITIONS CONTRACTOR SHALL INSTALL PROTECTIVE MATTING AND/OR LOW GROUND IMPACT EQUIPMENT TO PROTECT SOILS DURING INSTALLATION WORK.
- ✓ CONTRACTOR SHALL UTILIZE ALTERNATIVE WETLAND WIRE MANAGEMENT METHODS WHERE ALL WIRING IS SUPPORTING BY THE RACKING TO AVOID TRENCHING IN WETLAND AREAS.
- ✓ ALL OTHER ACTIVITIES NECESSARY TO SUPPORT CONSTRUCTION OF SOLAR PANEL EQUIPMENT IN WETLAND AREAS SHALL NO SUE MECHANIZED EQUIPMENT.



DESIGN CRITERIA:

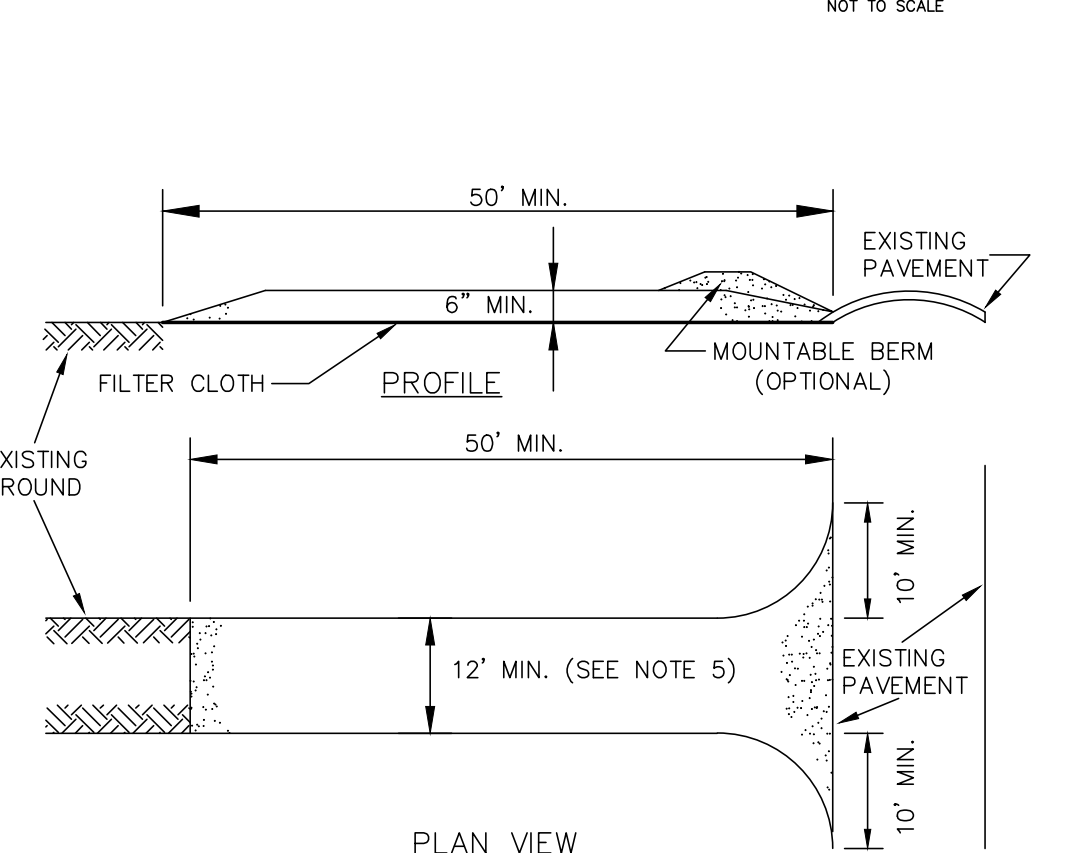
- DESIGN COMPUTATIONS ARE NOT REQUIRED FOR INSTALLATIONS OF 1 MONTH OR LESS. LONGER INSTALLATION PERIODS SHOULD BE DESIGNED FOR EXPECTED RUNOFF.
- ALL SILT FENCES SHALL BE PLACED AS CLOSE TO THE AREA AS POSSIBLE, BUT AT LEAST 10 FEET FROM THE TOE OF A SLOPE STEEPER THAN 3H:1V, TO ALLOW FOR MAINTENANCE AND ROLL DOWN. THE AREA BEYOND THE FENCE MUST BE UNDISTURBED OR STABILIZED.
- THE TYPE OF SILT FENCE SPECIFIED FOR EACH LOCATION ON THE PLAN SHALL NOT EXCEED THE MAXIMUM SLOPE LENGTH AND MAXIMUM FENCE LENGTH REQUIREMENTS SHOWN IN THE FOLLOWING TABLE:

Slope	Steepness	Standard (SF)	Slope Length/Fence Length (ft.)	Reinforced (RSF)	Super (SSF)
2-10%	<50:1	300/1500	N/A	N/A	N/A
10-20%	50:1 to 10:1	125/1000	200/2000	300/2500	300/2500
20-33%	10:1 to 5:1	100/750	150/1000	200/1000	200/1000
33-50%	5:1 to 3:1	60/500	80/750	100/1000	100/1000
>50%	3:1 to 2:1	40/250	70/500	100/200	100/200
	>2:1	30/175	30/175	50/250	50/250

STANDARD SILT FENCE (SF) IS FABRIC ROLLS STAPLED TO WOODEN STAKES DRIVEN 16 INCHES IN THE GROUND.
REINFORCED SILT FENCE (RSF) IS FABRIC PLACED AGAINST WELDED WIRE FABRIC WITH ANCHORED STEEL POSTS DRIVEN 16 INCHES IN THE GROUND.
SUPER SILT FENCE (SSF) IS FABRIC PLACED AGAINST CHAIN LINK FENCE AS SUPPORT BACKING WITH POSTS DRIVEN 3 FEET IN THE GROUND.

4. SILT FENCE SHALL BE REMOVED AS SOON AS THE DISTURBED AREA HAS ACHIEVED FINAL STABILIZATION.
THE SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROPRIATE DETAILS. WHERE ENDS OF FILTER CLOTH COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS. BUT JOINTS ARE NOT ACCEPTABLE.

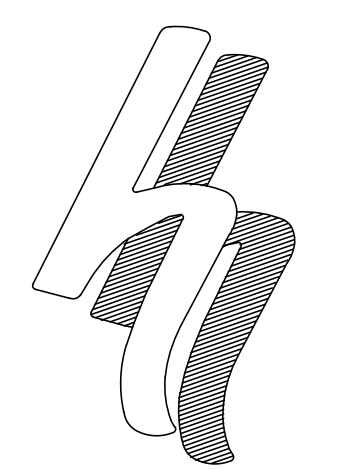
SEDIMENT CONTROL FENCE INSTALLATION DETAIL



CONSTRUCTION SPECIFICATIONS:

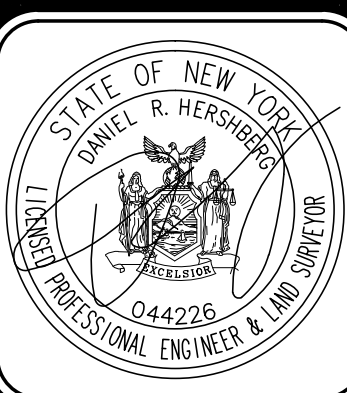
- INSTALL CONSTRUCTION ACCESS IN ACCORDANCE WITH "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
- STONE SIZE -USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH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

STABILIZED CONSTRUCTION ACCESS DETAIL



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