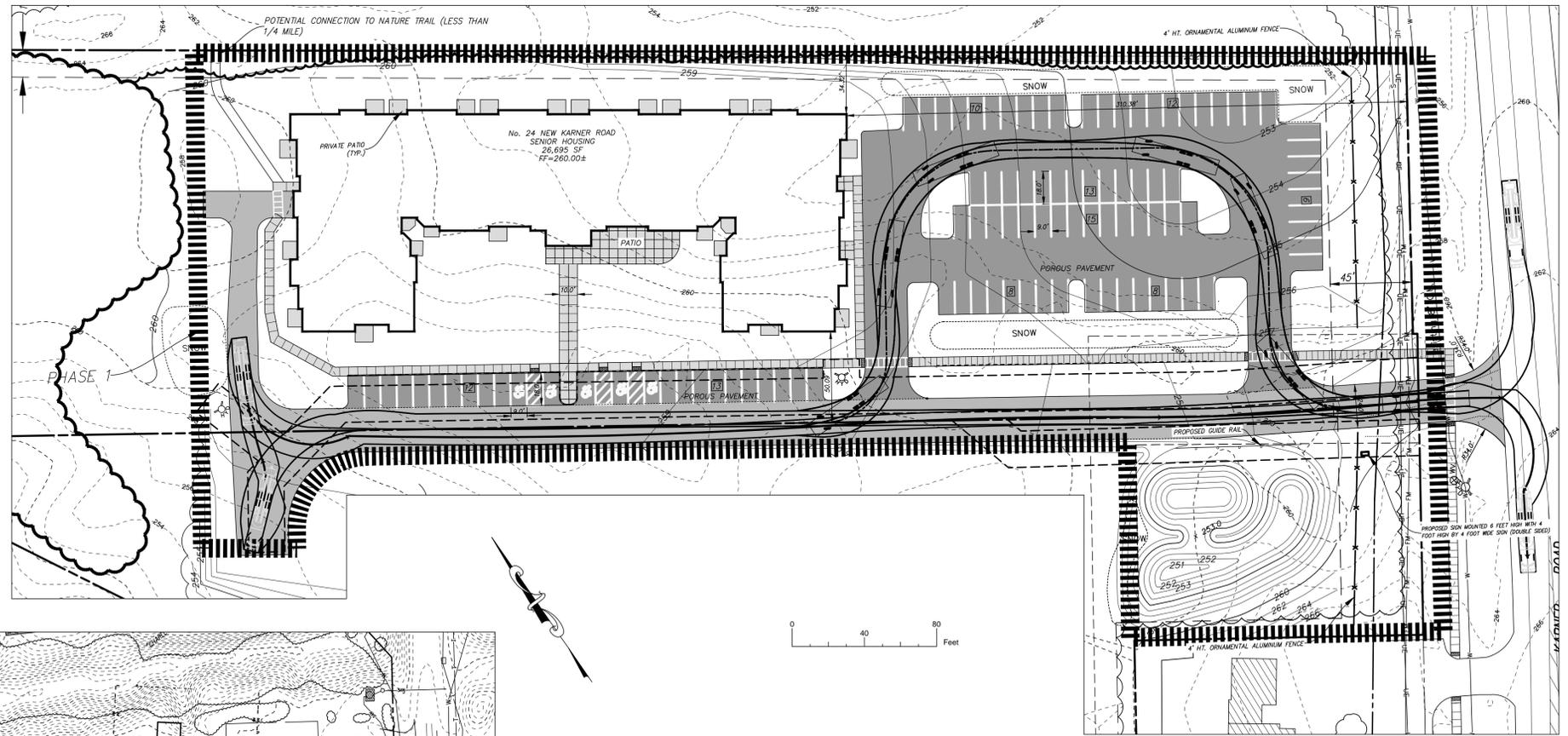


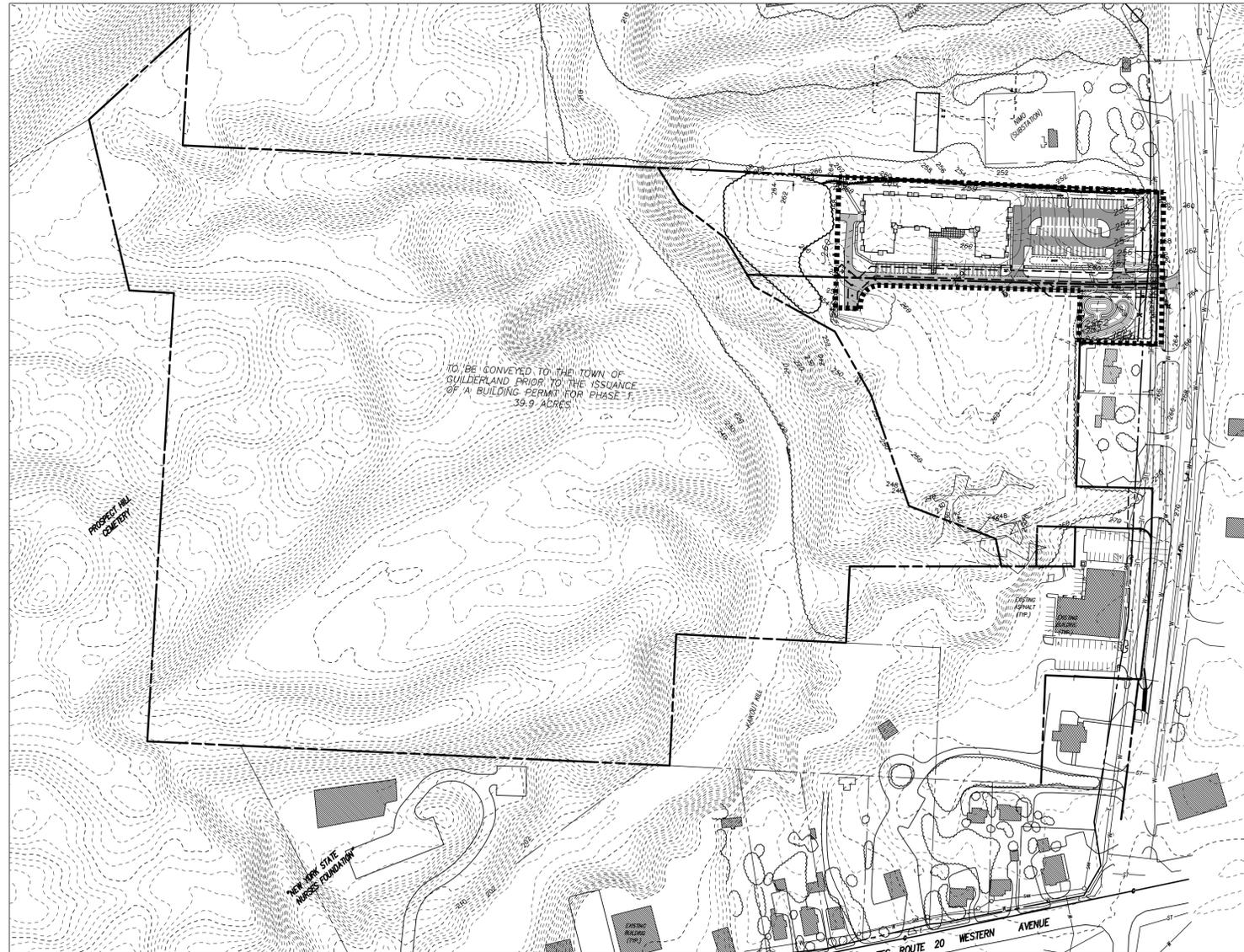
LEGEND	
	PROPOSED CONTOURS
	PROPOSED LIMITS OF CLEARING
	PROPOSED POROUS PAVEMENT
	PROPOSED PAVEMENT MARKINGS
	HANDICAPPED PARKING
	PROPOSED STANDARD PAVEMENT
	PROPOSED PEA STONE DIAPHRAM
	PROPOSED DRY SWALE
	PROPOSED CATCH BASIN
	PROPOSED STORM SEWER
	PROPOSED ROOF DRAIN AND DOWNSPOUT
	PROPOSED UNDERDRAIN
	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

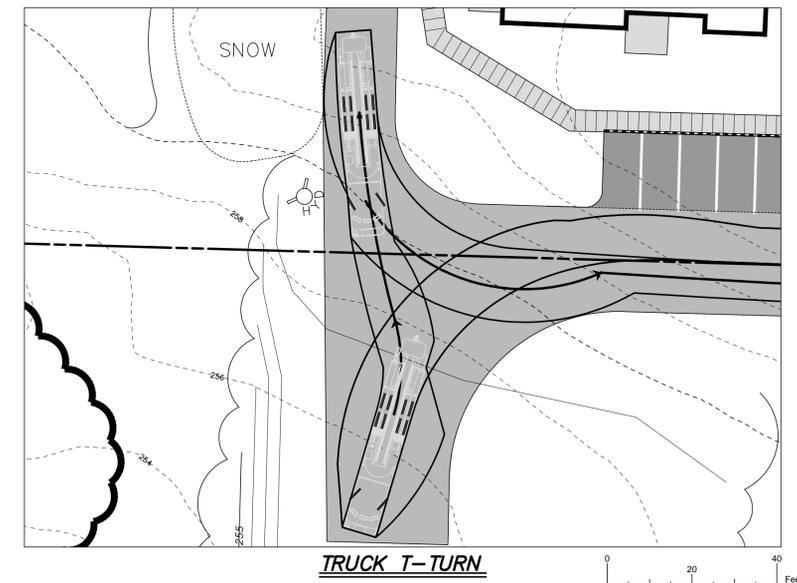


PHASE 1 SITE PLAN



OVERALL 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

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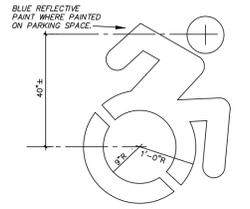


DATE	REVISIONS

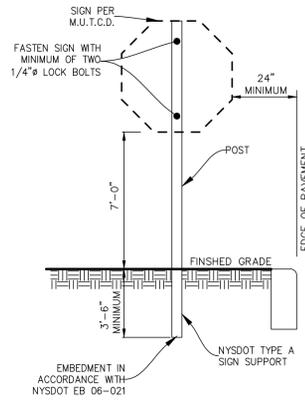
OVERALL PLAN FOR
No. 24 NEW KARNER ROAD
TOWN OF GUILDERLAND, COUNTY OF ALBANY,
STATE OF NEW YORK

FILE: 200285 SCALE: AS NOTED DATE: 4/16/21 CHK: DRH BY: MB 200285-1.DWG

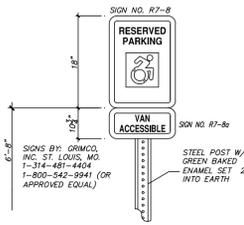
C1



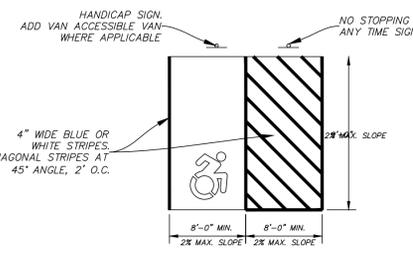
HANDICAP SYMBOL
N.T.S.



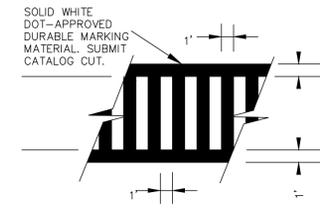
SIGN INSTALLATION DETAIL
NOT TO SCALE



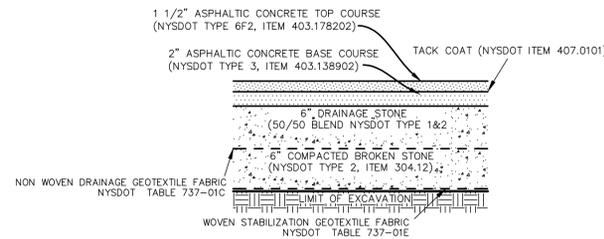
HANDICAP SIGN
N.T.S. TYPICAL FOR PARKING SPACE



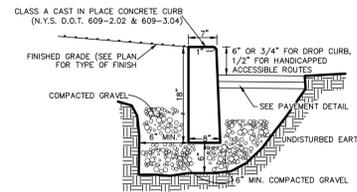
HANDICAPPED PAVEMENT STRIPING DETAIL
NOT TO SCALE



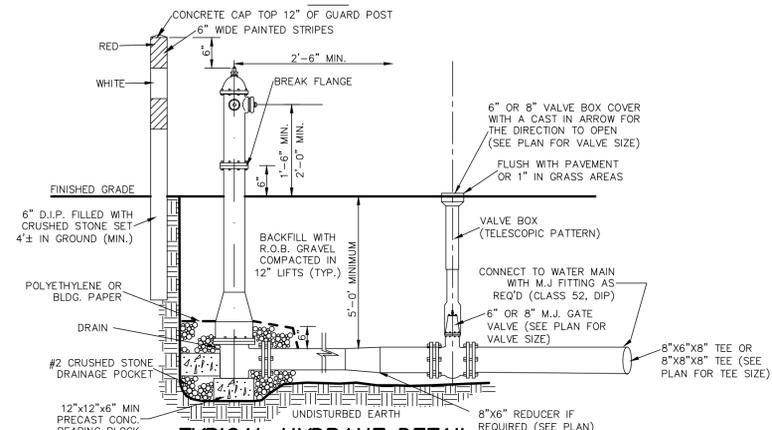
CROSSWALK MARKING
NOT TO SCALE



ASPHALT PAVEMENT DETAIL
NOT TO SCALE



CONCRETE CURB (CAST IN PLACE) DETAIL
NOT TO SCALE

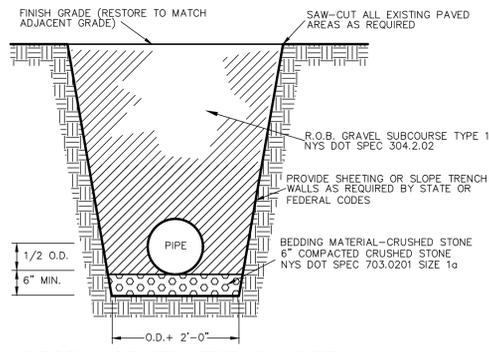


TYPICAL HYDRANT DETAIL
NOT TO SCALE

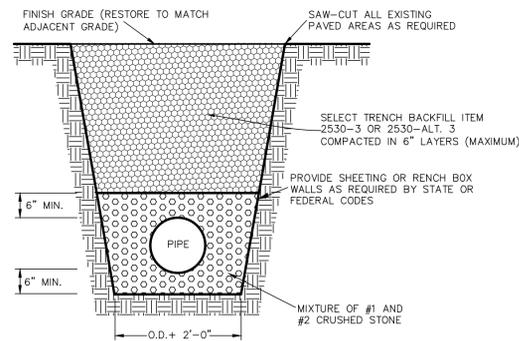
NOTE: HYDRANT INSTALLATION AND MATERIALS SHALL CONFORM TO THE LATEST STANDARD OF THE LATHAM WATER DISTRICT

SANITARY SEWER FORCE MAIN TESTING

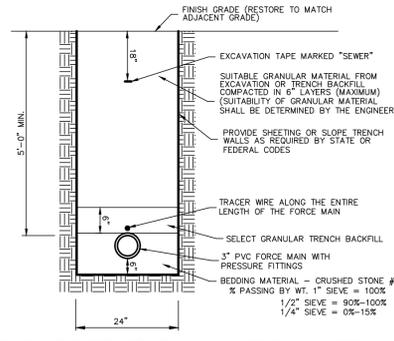
- TEST SERVICES IN ACCORDANCE WITH UPC AND AWWA APPLICABLE STANDARDS. FURNISH EQUIPMENT FOR TESTS. PERFORM TESTS IN THE PRESENCE OF, AND TO SATISFACTION OF, THE PLUMBING INSPECTOR AND THE ENGINEER.
- CLEAN WORK, INCLUDING VALVE & HANDLES THOROUGHLY AND LEAVE READY FOR USE.
- TESTING:
 - AFTER INSTALLING 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 EXPELLLED FROM THE PIPE. BLOW-OUTS, 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.



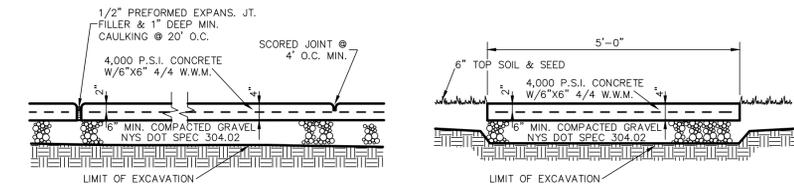
STORM SEWER TRENCH DETAIL
NOT TO SCALE



TYPICAL WATER MAIN TRENCH DETAIL
NOT TO SCALE



SANITARY SEWER FORCE MAIN TRENCH DETAIL
NOT TO SCALE

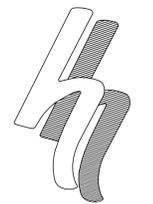


LONGITUDINAL SECTION

CROSS SECTION

CONCRETE WALK DETAIL
NOT TO SCALE

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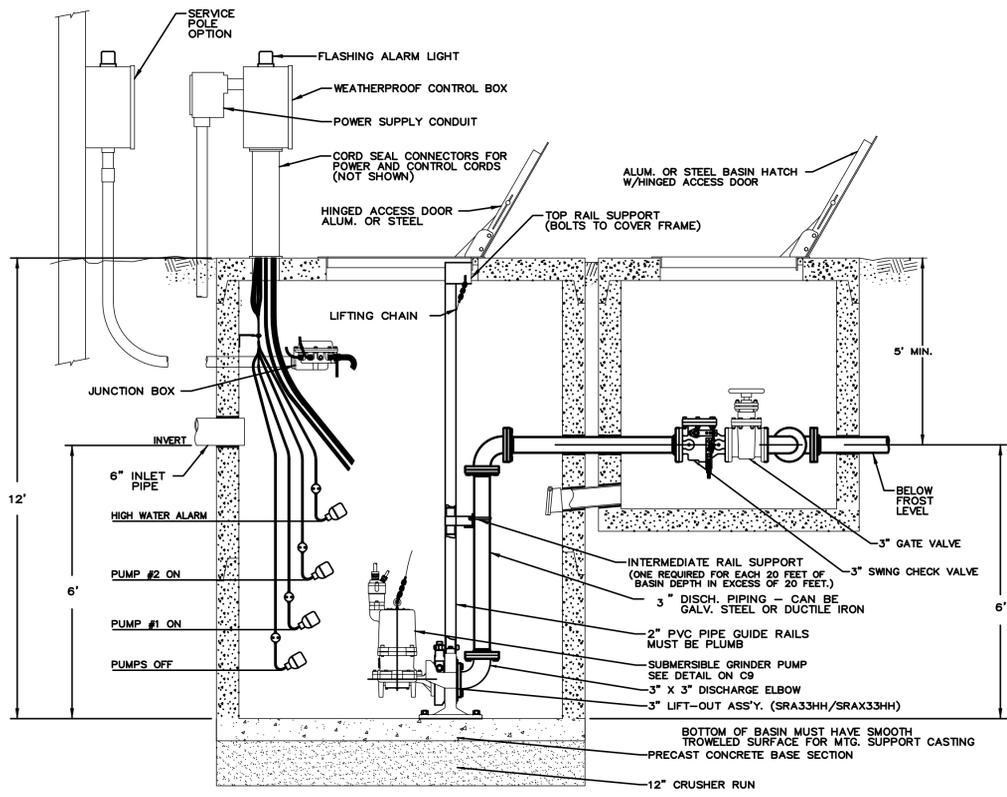
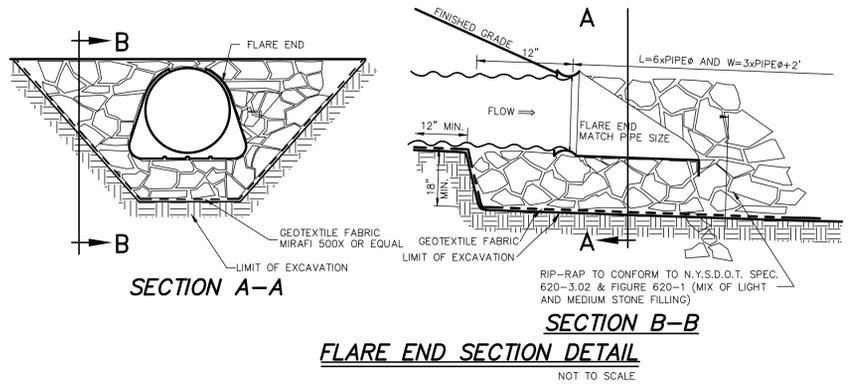
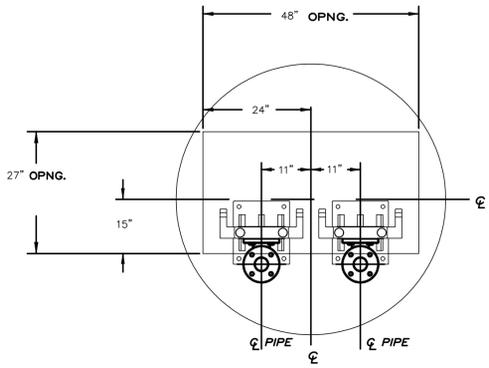
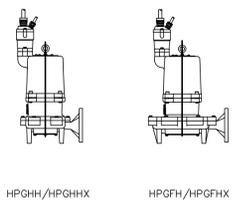
DATE	REMARKS

REVISIONS

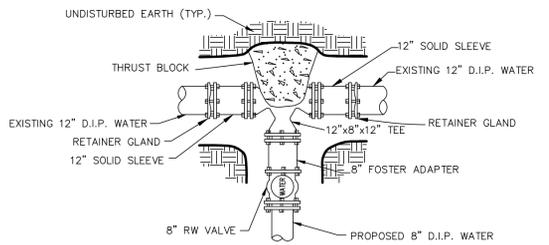
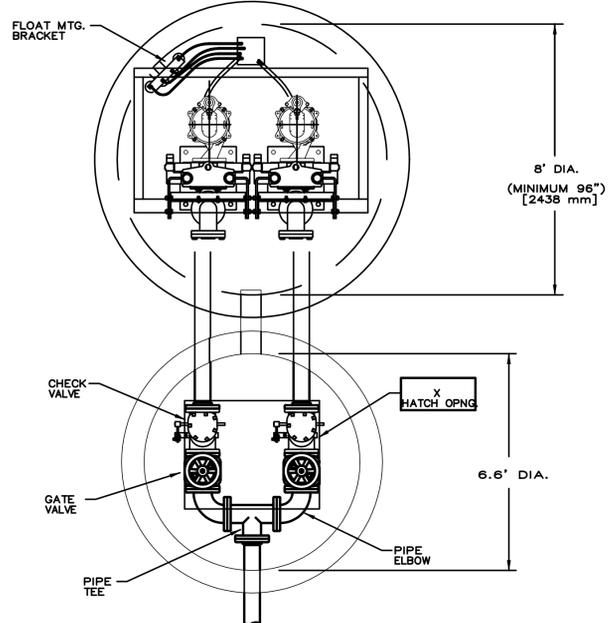
DETAILS FOR
No. 20 & 24 NEW KARNER ROAD
TOWN OF GUILDERLAND, COUNTY OF ALBANY,
STATE OF NEW YORK

C2

TYPICAL INSTALLATION
 DUPLEX SUBMERSIBLE GRINDERS
 PUMP SERIES: HPGHH/HPGHHX
 HPGFH/HPGFHX
 LIFT OUT MODELS: TL33HH
 TLX33HH
 ES-XXXX 03OCT13 WM
 REV. A 03OCT13



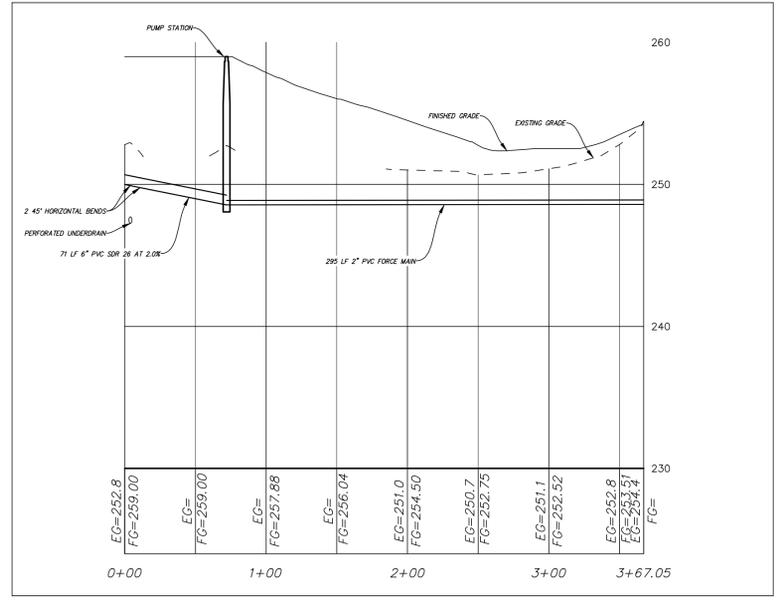
PUMP STATION DETAILED SECTION
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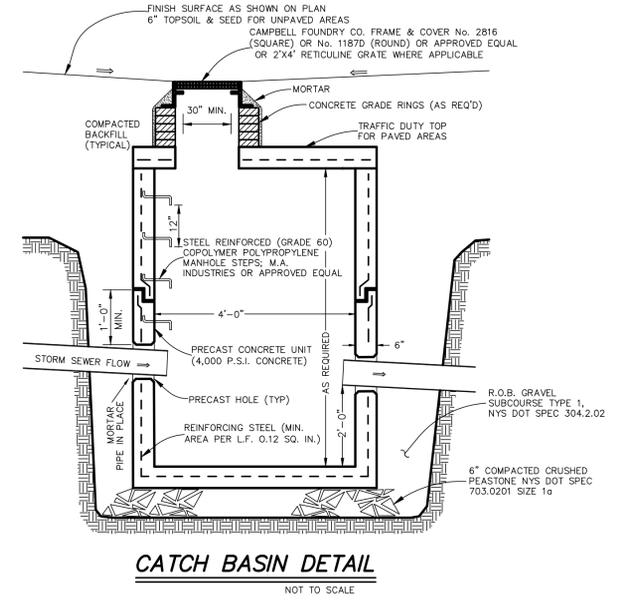
CUT IN TEE DETAIL
 NOT TO SCALE



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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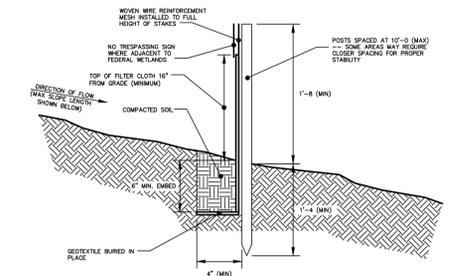
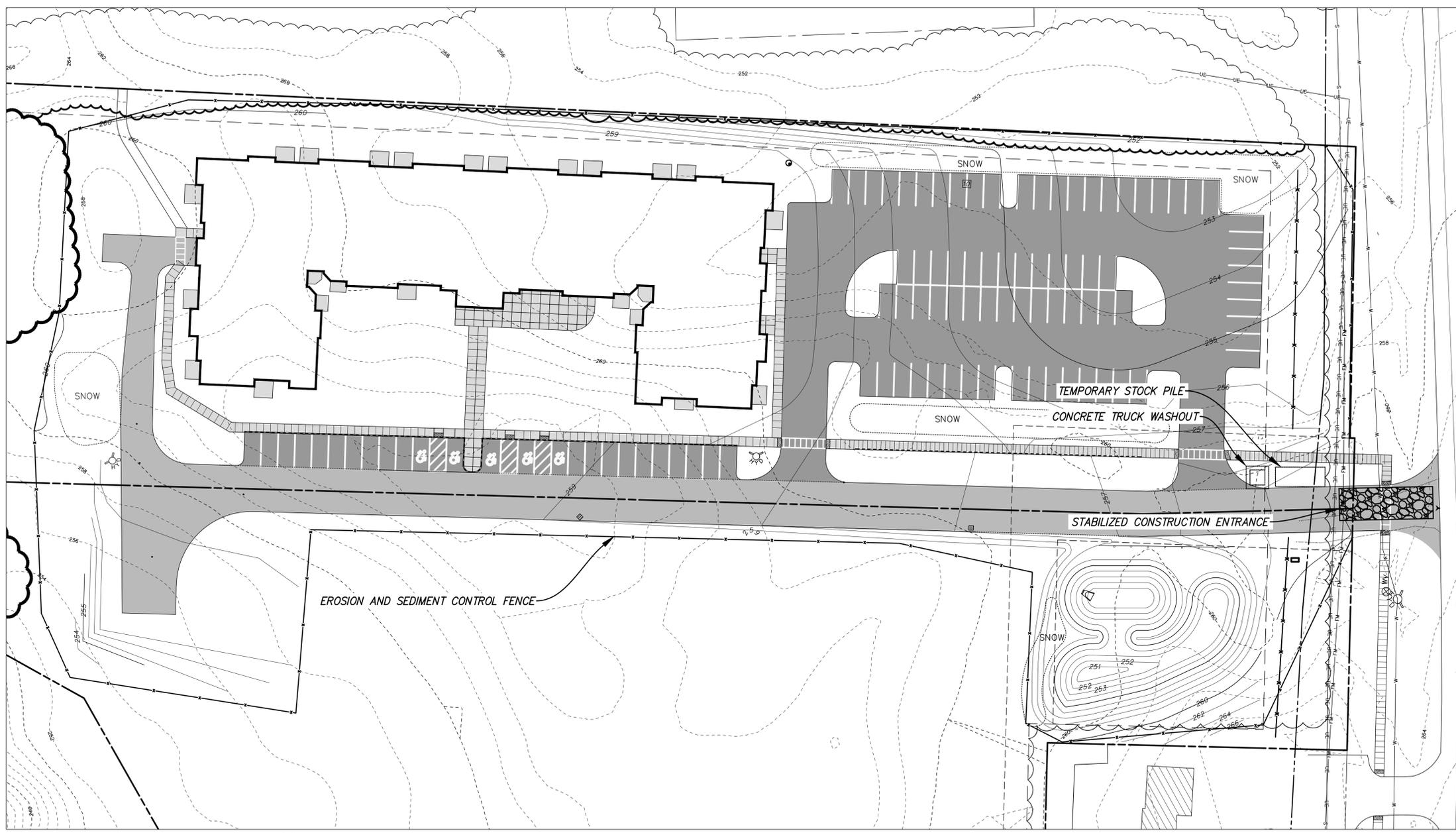
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DATE	REVISIONS

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



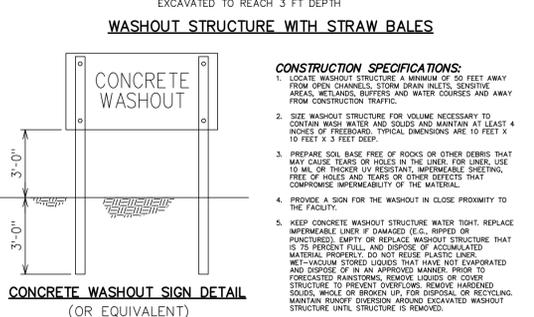
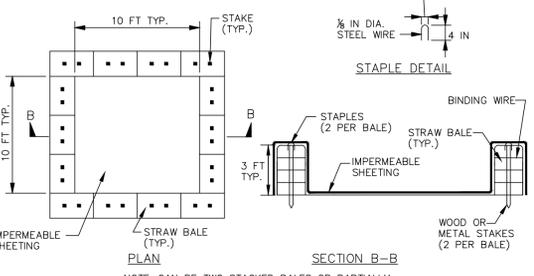
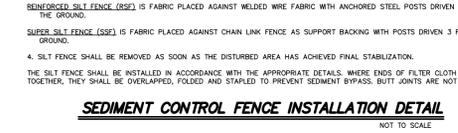
- CONSTRUCTION SPECIFICATIONS FOR FABRICATED SILT FENCE**
- INSTALL SILT FENCE IN ACCORDANCE WITH THE JULY 2016 "THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL".
 - WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX. MESH (DRAWING).
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MARKET 1000, STABILUNKA 1140N, OR APPROVED EQUIVALENT.
 - PREFABRICATED UNITS SHALL MEET THE MINIMUM REQUIREMENTS SHOWN.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 12 1/2 GA. 6" MAX. MESH (DRAWING)
 FILTER CLOTH: FILTER X, STABILUNKA 1140N OR APPROVED EQUAL.
 PREFABRICATED UNITS: GEOTABS, ENVIRONMENT, OR APPROVED EQUAL.

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

STANDARD SILT FENCE (SF) IS FABRIC ROLLS STAPLED TO WOODEN STAKES DRIVEN 18 INCHES IN THE GROUND.
 STANDARD SILT FENCE (SSF) IS FABRIC PLACED AGAINST WELDED WIRE FABRIC WITH ANCHORED STEEL POSTS DRIVEN 18 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.
 THE 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.



ONSITE CONCRETE TRUCK WASHOUT STRUCTURE DETAIL
 NOT TO SCALE

CONSTRUCTION SEQUENCING AND SEDIMENTATION AND EROSION CONTROL DURING CONSTRUCTION

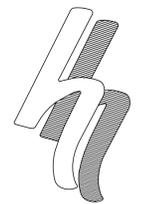
- CONSTRUCTION OF THE ACCESS ROAD AND UTILITY LINE WILL ENTAIL MEASURES TO PREVENT UNAUTHORIZED INCURSIONS INTO WOTUS. THESE MEASURES WILL INCLUDE SILT FENCE AND ORANGE CONSTRUCTION FENCE DEMARCATING THE AUTHORIZED LIMITS OF DISTURBANCE. EROSION/SEDIMENT MEASURES WILL BE IMPLEMENTED AS REQUIRED. ADDITIONAL 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 NOT SUE MECHANIZED EQUIPMENT.

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.



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EROSION AND SEDIMENT CONTROL PLAN FOR
 No. 20 & 24 NEW KARNER ROAD
 TOWN OF GUILDERLAND, COUNTY OF ALBANY,
 STATE OF NEW YORK

DATE: 4/16/21
 CHK: DRH
 BY: MB
 SCALE: 1"=30'
 FILE: 202285

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