

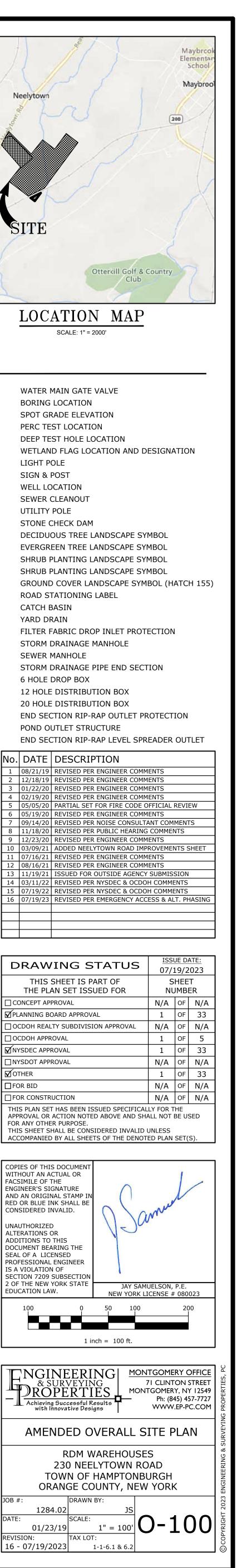
LOCK 1, LOT(S) 6.1 & 6.2	11.	ALL PROPOSED USES SHALL BE SERVICED BY INDIVISEPTICS.	DUAL WELLS AND	22.	SHALL BE PROHIBITED ANYWHERE ON SITE. ANY OUTDOOR STORAGE OF PETROLEUM PRODUCTS SHALL PROHIBITED.	N	+
))	12.	PROPOSED USE: WAREHOUSE(S) HOURS OF OPERATION MONDAY - FRIDAY	WEEKENDS 12:00AM - 12:00AM	23.	ANY COMMERCIAL GENERATION, STORAGE OR DISPOSAL OF ANY HAZARDOUS WASTE SHALL BE PROHIBITED.	-	1
LTY SUBDIVISION PLAN ING & SURVEYING		INTERNAL TO BUILDING 12:00AM - 12:00AM DELIVERIES (IN & OUT) 6:00AM - 9:00PM	RIES (IN & OUT) 6:00AM - 9:00PM 7:00AM - 7:00PM		ANY OUTDOOR STORAGE OF ROAD SALT OR DEICING AGENT SHALL BE PROHIBITED. ADDITIONALLY, SIGNAGE REFLECTING THIS PROHIBITION	+	Neely
ISED MARCH 11, 2022 AND S FILED MAP 443-22 ON	13.	THE PROJECT SITE LIES WITHIN THE ORANGE COUNT DISTRICT.	IY AIRPORT OVERLAY		SHALL BE PROMINENTLY DISPLAYED IN ALL PARKING AND LOADING AREAS ON SITE.		PH HO
ON FIELD SURVEY AS DPERTIES, PC ON OCTOBER	14.	SECTION 150-22.B(24) ALLOWS FOR A PORTION OF TH SPACES TO BE PLACED IN RESERVE (LANDBANKED). PARKING SHALL BE CONSTRUCTED UPON RECEIPT OF FROM THE TOWN OF HAMPTONBURGH CODE ENFOR	THE LANDBANKED	25.	THE USE OF PURE SALT FOR DEICING IS PROHIBITED. A SAND & SALT MIXTURE MAY BE UTILIZED ON THE ROADWAYS, PARKING AND LOADING AREAS. THE SAND AND SALT MIXTURE MUST CONTAIN A MINIMUM OF 60% SAND.		
ED BY ENGINEERING & DRO-FLATTENED DIGITAL	15.	THERE SHALL BE NO WASHING / CLEANING OF VEHIC TRAILERS) WITHIN THE LOADING AREAS OR ANYWHE		26.	THE PROPOSED WETLAND DISTURBANCE AND MITIGATION ARE SUBJECT TO ACOE AND NYSDEC REVIEW AND APPROVAL.	1	
RRESPOND TO ACTUAL ONTOURS ARE BASED ON	16.	DUE TO THE PROXIMITY OF THE PROJECT SITE TO A HIBERNACULUM, ANY TREE CUTTING OR REMOVAL S THE APPROPRIATE TIME OF YEAR WORK WINDOW, O	HALL OCCUR WITHIN	27.	ALL TENANTS SHALL REQUIRE ALL DELIVERY TRUCKS TO HAVE "SHUSHER" TYPE BACK-UPS ALARMS INSTALLED AND UTILIZED.	and a second	
SED UPON DEED PLOTS ROPERTIES HAVE NOT		MARCH 31, TO AVOID DIRECT IMPACTS TO INDIVIDUA AN ARTICLE 11 TAKE PERMIT.		28.	THE DESIGN FOR THE PROPOSED FIRE PROTECTION SYSTEM (WATER STORAGE TANK AND PUMP BUILDING) AND THE TWO SUBSURFACE SEWAGE DISPOSAL SYSTEMS ARE NOT SUBJECT TO THE REVIEW AND APPROVAL OF	ar -	/
INEATED BY PETER	17.	THE BUILDING ON LOT 2 MUST HAVE AN AUTOMATIC SYSTEM WHICH MUST BE APPROVED BY THE TOWN OF FIRE MARSHAL PRIOR TO ISSUANCE OF A BUILDING F	OF HAMPTONBURGH		THE ORANGE COUNTY DEPARTMENT OF HEALTH. REVIEW AND APPROVAL OF OF THESE SITE IMPROVEMENTS ARE LEFT TO THE TOWN OF HAMPTONBURGH.		ŜĽ
LINEATION WAS VALIDATED	18.	THE APPLICANT SHALL BE RESPONSIBLE FOR ALL NE IMPROVEMENTS AS SHOWN ON SHEETS C-401 - C-404 COMPLETED PRIOR TO ISSUANCE OF A CERTIFICATE	4 WHICH SHALL BE	29.	ORANGE COUNTY DEPARTMENT OF HEALTH PLAN APPROVAL IS LIMITED TO 5 YEARS. TIME EXTENSIONS FOR PLAN APPROVAL MAY BE GRANTED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH BASED UPON DEVELOPMENT		
AD WERE DETERMINED . THE LIMITS OF THESE NAUGUST 26, 2021.	19.	THE FIRST BUILDING CONSTRUCTED. PRIOR TO INSTALLATION OF THE PETROMAT AND ASI	PHALT OVERLAY. A SITE		FACTS AND ANY REGULATIONS, OR GUIDANCE, IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.		
LOT 2: 230 N1 HOLDINGS, LLC 21 PHILIPS PKWY		VISIT WITH THE DESIGN ENGINEER, TOWN ENGINEER HAMPTONBURGH HIGHWAY SUPERINTENDENT SHALL WESTERN EDGE OF NEELYTOWN ROAD TO DETERMI BROKEN PAVEMENT EDGES, POTHOLES, ETC. THAT W	R, AND TOWN OF L OCCUR TO WALK THE NE ANY AREAS OF		DIG SAFELY NEW YORK MUST BE CONTACTED PRIOR TO ANY EXCAVATION OR DEMOLITION (DIAL 811 OR WWW.DIGSAFELYNEWYORK.COM).		L
MONTVALE, NJ 07645		BE SAWCUT AND REMOVED. ALL CATCH BASINS ONSITE SHALL HAVE A FLOGARD INSERT FILTER (OR APPROVED EQUAL) INSTALLED. THE USE OF FERTILIZERS, PESTICIDES, HERBICIDES					
	BU	ILDING LINE —			EXISTING BUILDING LINE	×	WA
		ILDING GARAGE LINE	310			⊕В-1	BC
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		DNCRETE PAD LINE			EXISTING EDGE OF PAVEMENT LINE	⊖ ^{7/15/03}	PE
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						CO	CE

MINIMUM BUILDING REQUIREMENTS	REQUIRED	LOT 1	LOT 2
OT AREA	40,000 SF	648,698 SF	2,742,476 SF
STREET FRONTAGE	105 FEET	339.9 FEET	239.2 FEET
	150 FEET	402.6 FEET	182.7 FEET
FRONT YARD	80 FEET	657.8 FEET	1,305.5 FEET
REAR YARD	30 FEET	50.5 FEET	611.2 FEET
SIDE YARD (ONE/BOTH)	30/60 FEET	106.9 / 305.5 FEET	133.0 / 1,299.3 FEE
MAXIMUM ALLOWABLE			
MAXIMUM BUILDING HEIGHT	35 FT	<u><</u> 35 FT	<u><</u> 35 FT
MAXIMUM DEVELOPMENT COVERAGE	70%	±35%	±17%
MAXIMUM BUILDING COVERAGE	35%	±15%	±9%

PARKING REQUIREMENTS

TOTAL SPACES REQU	JIRED:	1 SPACE PER EMPLOYEE PER MAXIMUM SHIFT + 3 SPAC OR 1 SPACE PER 1,000 SQ-FT OF FLOOR AREA (WHICHEVER IS GREATER)
	LOT 1: LOT 2:	100,000 X 1 SPACE / 1,000 SF = 100 SPACES 245,000 X 1 SPACE / 1,000 SF = 245 SPACES
SPACES PROVIDED:	LOT 1:	PAVED SPACES: 52 LANDBANKED SPACES: 50 TOTAL SPACES: 102
	LOT 2:	PAVED SPACES: 136 LANDBANKED SPACES: <u>110</u> TOTAL SPACES: 246

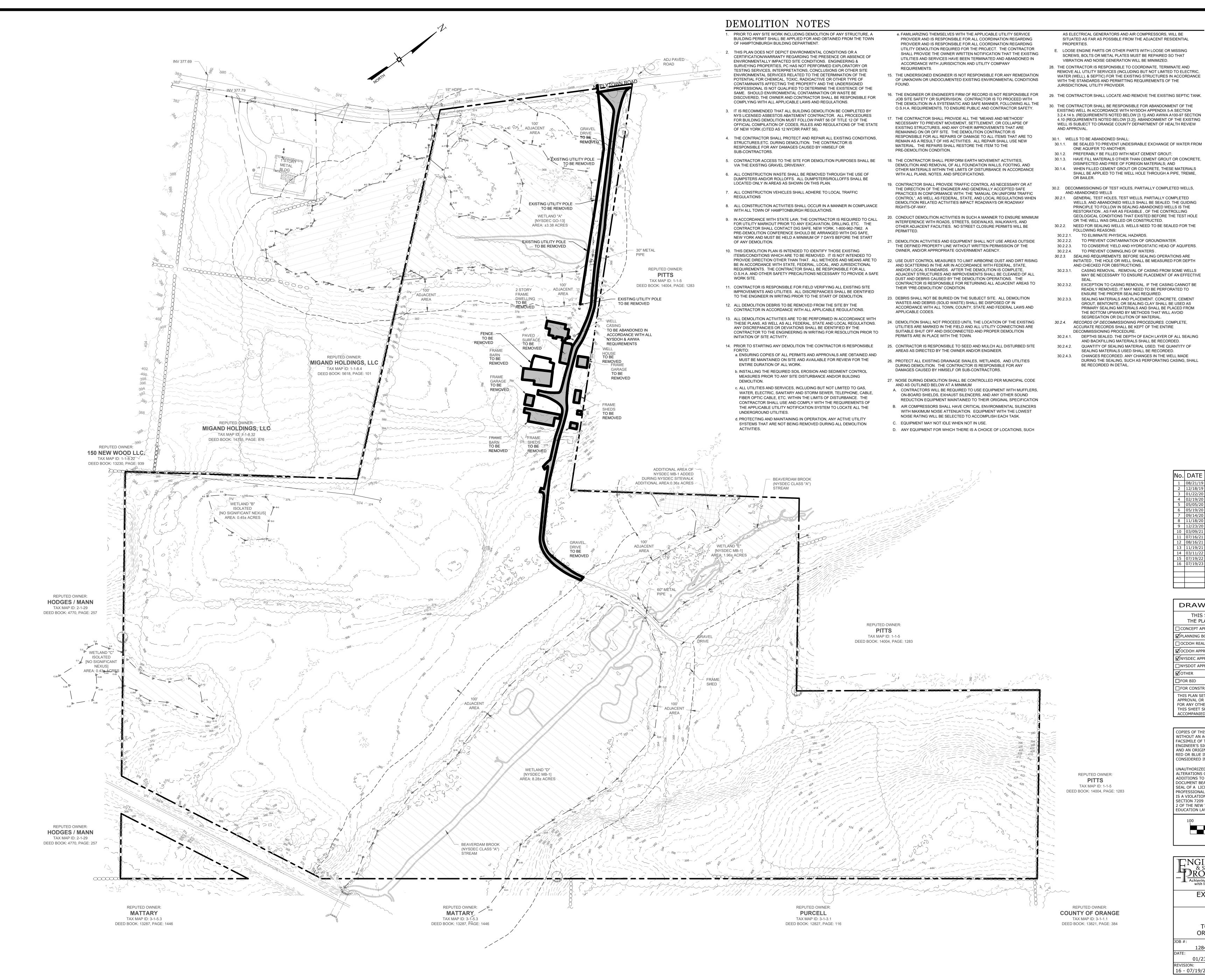
REPUTED OWNER: **COUNTY OF ORANGE** TAX MAP ID: 3-1-1.1



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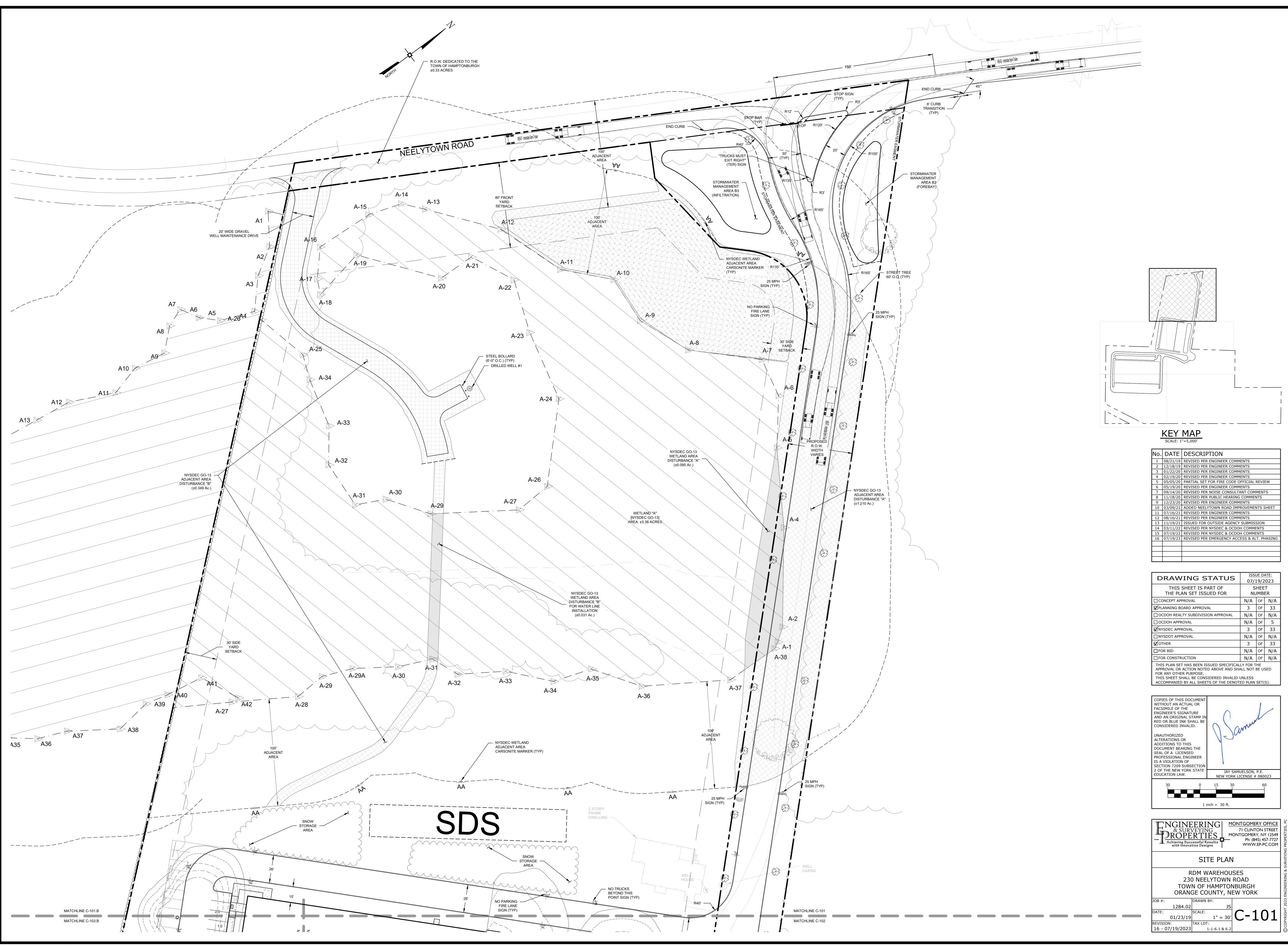
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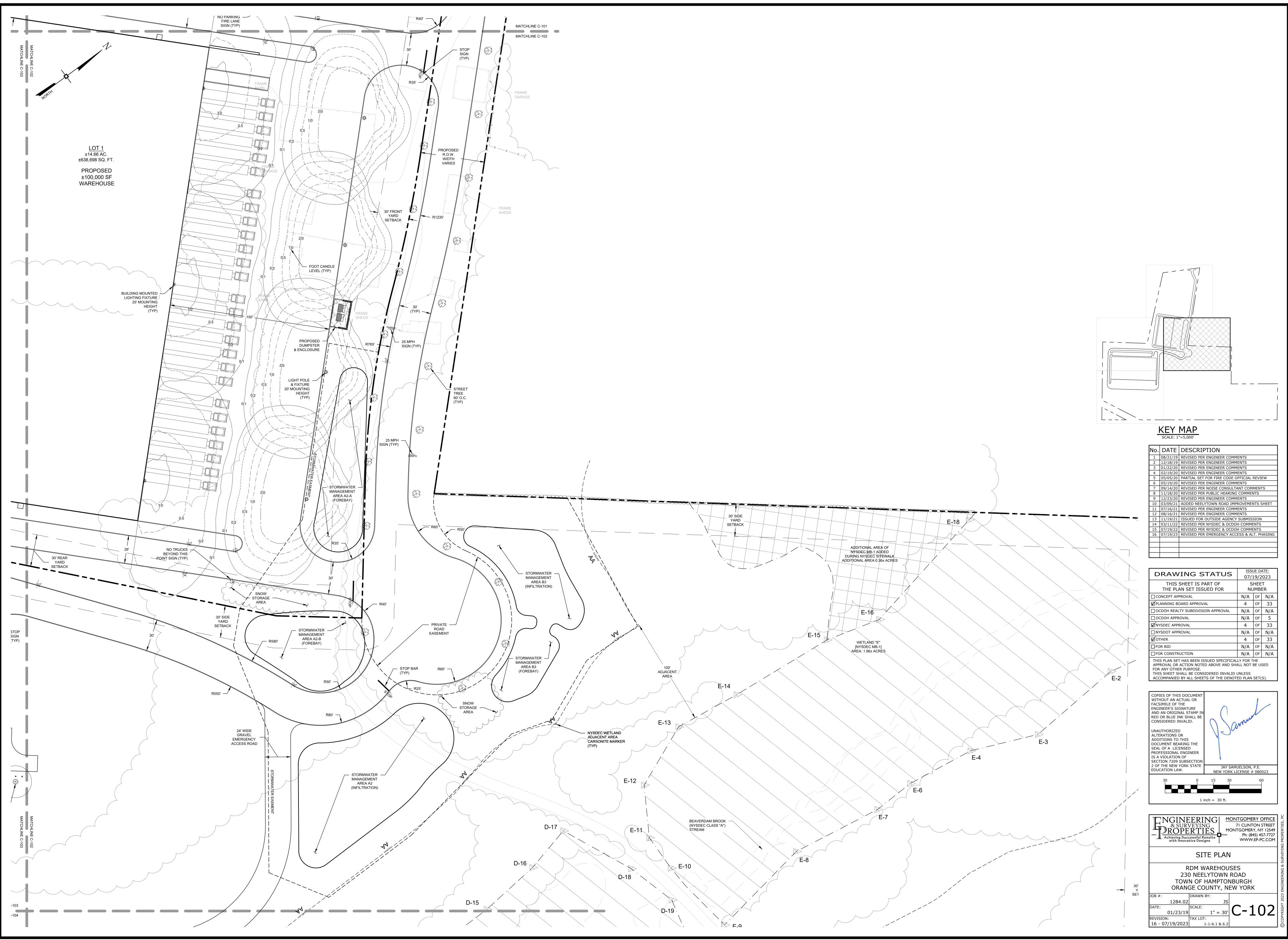


- SITUATED AS FAR AS POSSIBLE FROM THE ADJACENT RESIDENTIAL
- 28. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE, TERMINATE AND REMOVE ALL UTILITY SERVICES (INCLUDING BUT NOT LIMITED TO ELECTRIC, WATER (WELL), & SEPTIC) FOR THE EXISTING STRUCTURES IN ACCORDANCE WITH THE STANDARDS AND PERMITTING REQUIREMENTS OF THE
- 30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABANDONMENT OF THE EXISTING WELL IN ACCORDANCE WITH NYSDOH APPENDIX 5-A SECTION 3.2.4.14 b. (REQUIREMENTS NOTED BELOW [3.1]) AND AWWA A100-97 SECTION 4.10 (REQUIREMENTS NOTED BELOW [3.2]). ABANDONMENT OF THE EXISTING WELL IS SUBJECT TO ORANGE COUNTY DEPARTMENT OF HEALTH REVIEW
- HAVE FILL MATERIALS OTHER THAN CEMENT GROUT OR CONCRETE, WHEN FILLED CEMENT GROUT OR CONCRETE, THESE MATERIALS
- 30.2. DECOMMISSIONING OF TEST HOLES, PARTIALLY COMPLETED WELLS, 30.2.1. GENERAL. TEST HOLES, TEST WELLS, PARTIALLY COMPLETED WELLS, AND ABANDONED WELLS SHALL BE SEALED. THE GUIDING PRINCIPLE TO FOLLOW IN SEALING ABANDONED WELLS IS THE RESTORATION , AS FAR AS FEASIBLE , OF THE CONTROLLING GEOLOGICAL CONDITIONS THAT EXISTED BEFORE THE TEST HOLE NEED FOR SEALING WELLS. WELLS NEED TO BE SEALED FOR THE 30.2.2.3. TO CONSERVE YIELD AND HYDROSTATIC HEAD OF AQUIFERS. 30.2.3. SEALING REQUIREMENTS. BEFORE SEALING OPERATIONS ARE INITIATED , THE HOLE OR WELL SHALL BE MEASURED FOR DEPTH 30.2.3.1. CASING REMOVAL . REMOVAL OF CASING FROM SOME WELLS MAY BE NECESSARY TO ENSURE PLACEMENT OF AN EFFECTIVE EXCEPTION TO CASING REMOVAL. IF THE CASING CANNOT BE READILY REMOVED, IT MAY NEED TO BE PERFORATED TO SEALING MATERIALS AND PLACEMENT. CONCRETE, CEMENT
- GROUT, BENTONITE, OR SEALING CLAY SHALL BE USED AS PRIMARY SEALING MATERIALS AND SHALL BE PLACED FROM THE BOTTOM UPWARD BY METHODS THAT WILL AVOID RECORDS OF DECOMMISSIONING PROCEDURES. COMPLETE,
- AND BACKFILLING MATERIALS SHALL BE RECORDED. QUANTITY OF SEALING MATERIAL USED. THE QUANTITY OF CHANGES RECORDED. ANY CHANGES IN THE WELL MADE DURING THE SEALING, SUCH AS PERFORATING CASING, SHALL

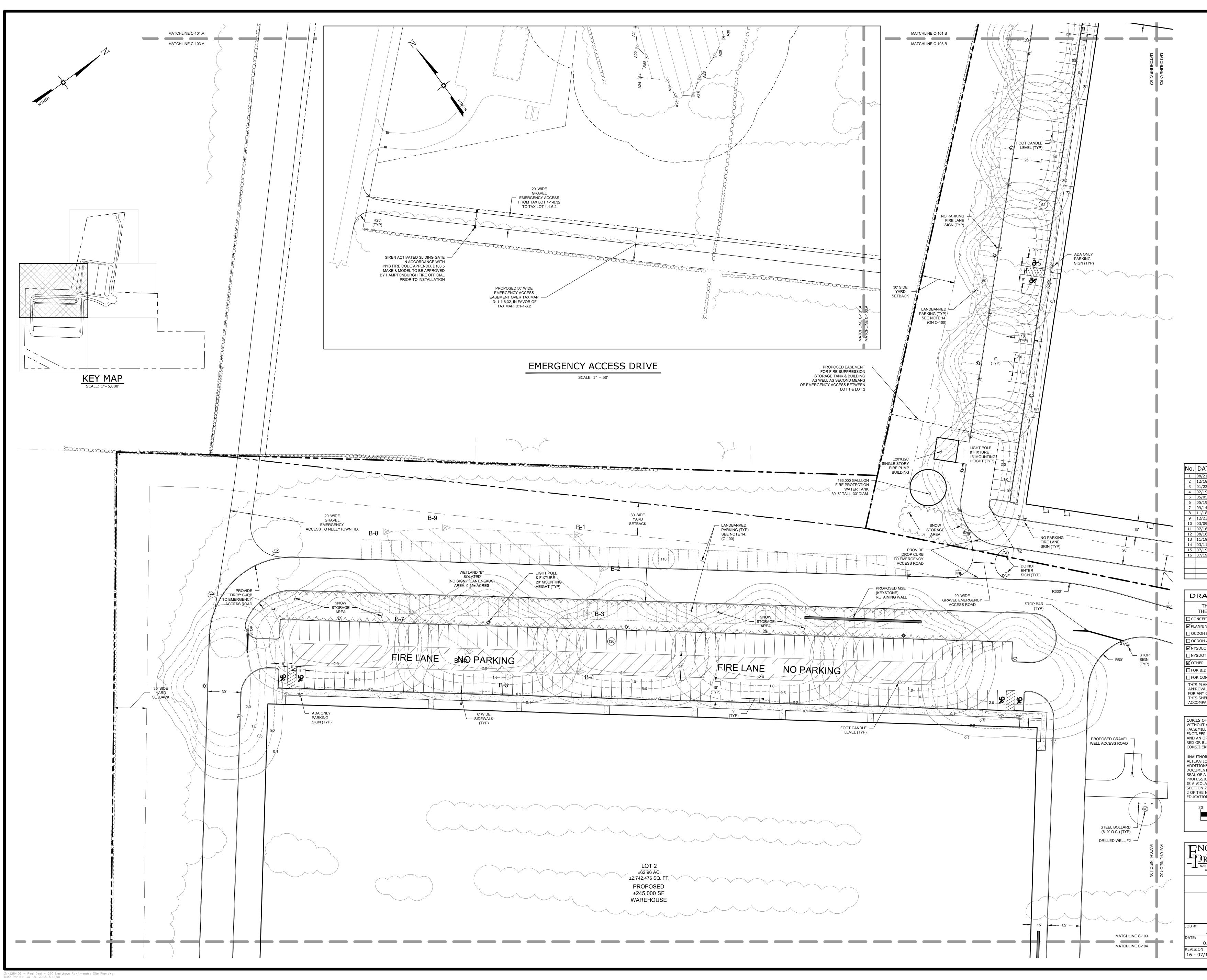
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	& SURVEYING ROPERTIES chieving Successful Results with Innovative Designs EXISTING CONDITION DEMOLITION PL RDM WAREHOUSE 230 NEELYTOWN RC TOWN OF HAMPTONBU ORANGE COUNTY, NEW 1284.02 JS SCALE: 01/23/19 1" =100' I: TAX LOT:	AN S AN S AD JRGH 'YORK

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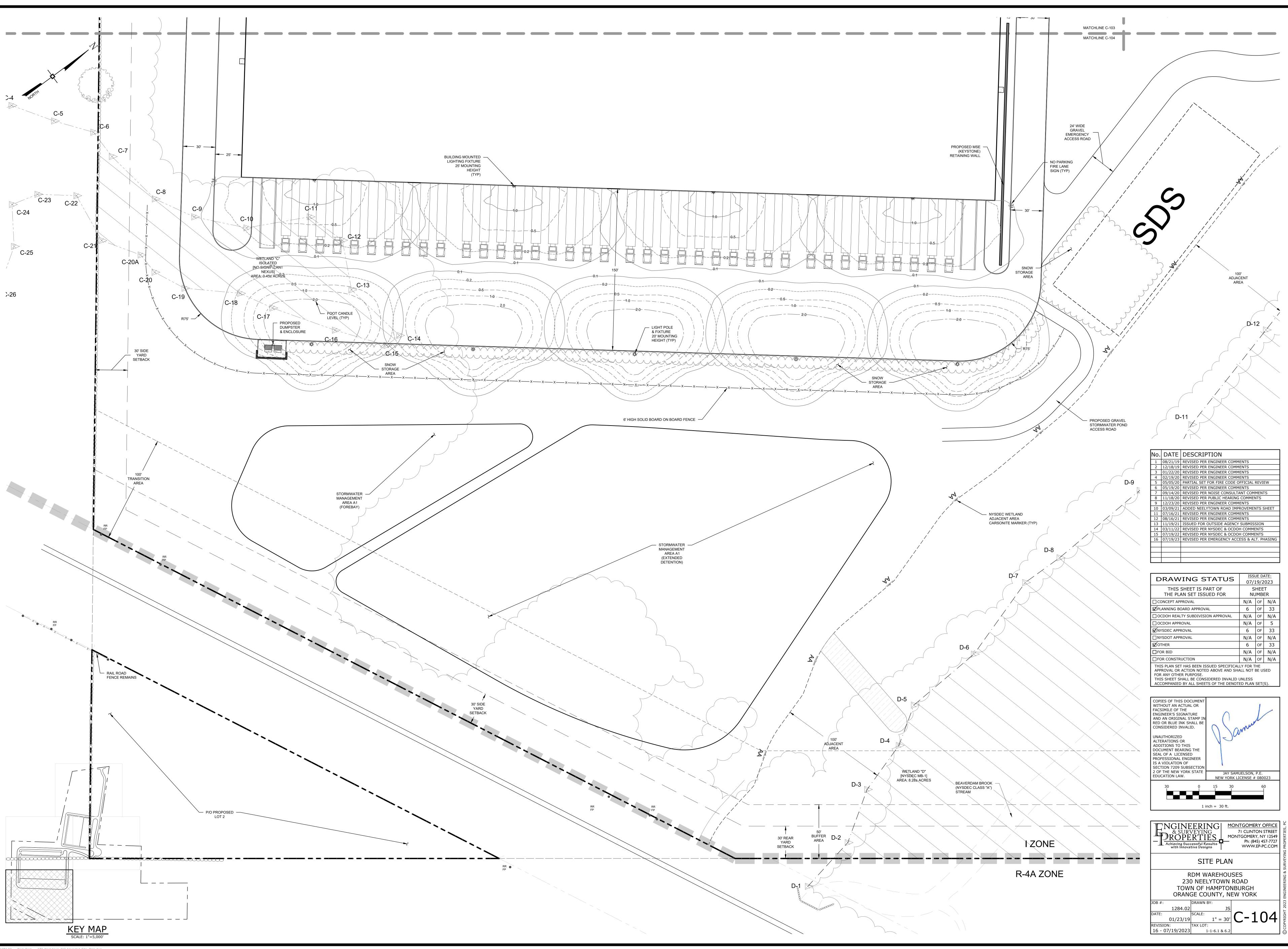
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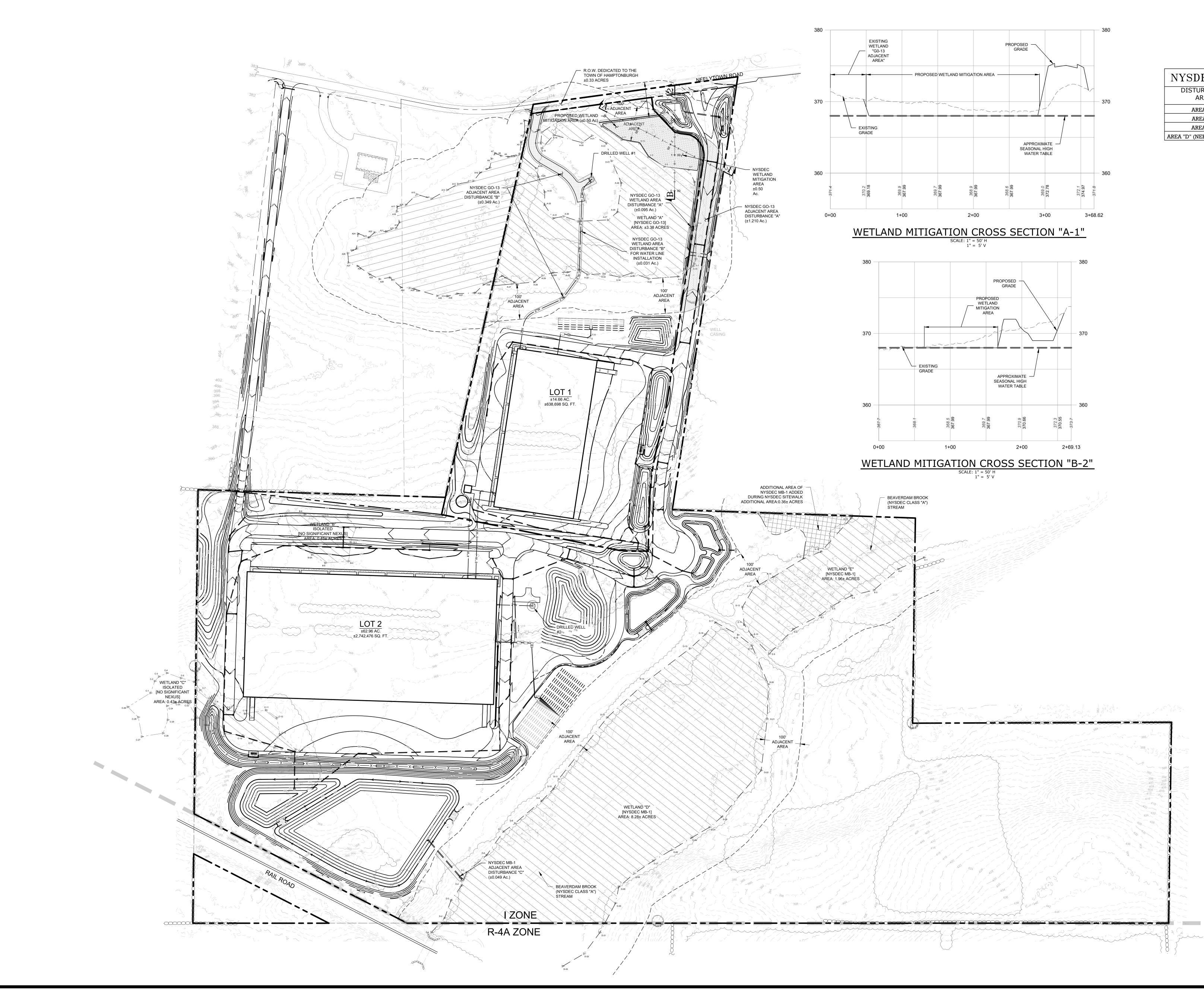
	LOT 2 ±62.96 AC. ±2,742,476 SQ. FT. PROPOSED ±245,000 SF WAREHOUSE	

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1284 01/23 /19/2	3/19 TAX LOT		2-1)3

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21/19	REVISED PER ENGINEER COMMENTS
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22/20	REVISED PER ENGINEER COMMENTS
19/20	REVISED PER ENGINEER COMMENTS
'05/20	PARTIAL SET FOR FIRE CODE OFFICIAL REVIEW
19/20	REVISED PER ENGINEER COMMENTS
'14/20	REVISED PER NOISE CONSULTANT COMMENTS
18/20	REVISED PER PUBLIC HEARING COMMENTS
23/20	REVISED PER ENGINEER COMMENTS
′09/21	ADDED NEELYTOWN ROAD IMPROVEMENTS SHEET
'16/21	REVISED PER ENGINEER COMMENTS
'16/21	REVISED PER ENGINEER COMMENTS
'19/21	ISSUED FOR OUTSIDE AGENCY SUBMISSION
'11/22	REVISED PER NYSDEC & OCDOH COMMENTS
19/22	REVISED PER NYSDEC & OCDOH COMMENTS
'19/23	REVISED PER EMERGENCY ACCESS & ALT. PHASING

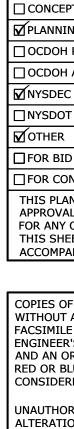


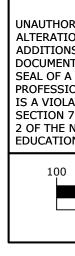
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NYSDEC WET	'LAND DIS	TURBANCE	AREAS
DISTURBANCE AREA	FRESHWATER WETLAND	WETLAND DISTURBANCE	ADJACENT AREA DISTURBANCE
AREA "A"	GO-13	±0.095 Ac.	±1.210 Ac.
AREA "B"	GO-13	±0.031 Ac.	±0.349 Ac.
AREA "C"	MB-1	±0.000 Ac.	±0.049 Ac.
AREA "D" (NEELYTOWN RD)	MB-1	±0.019 Ac. (TEMP)	±0.226 Ac.

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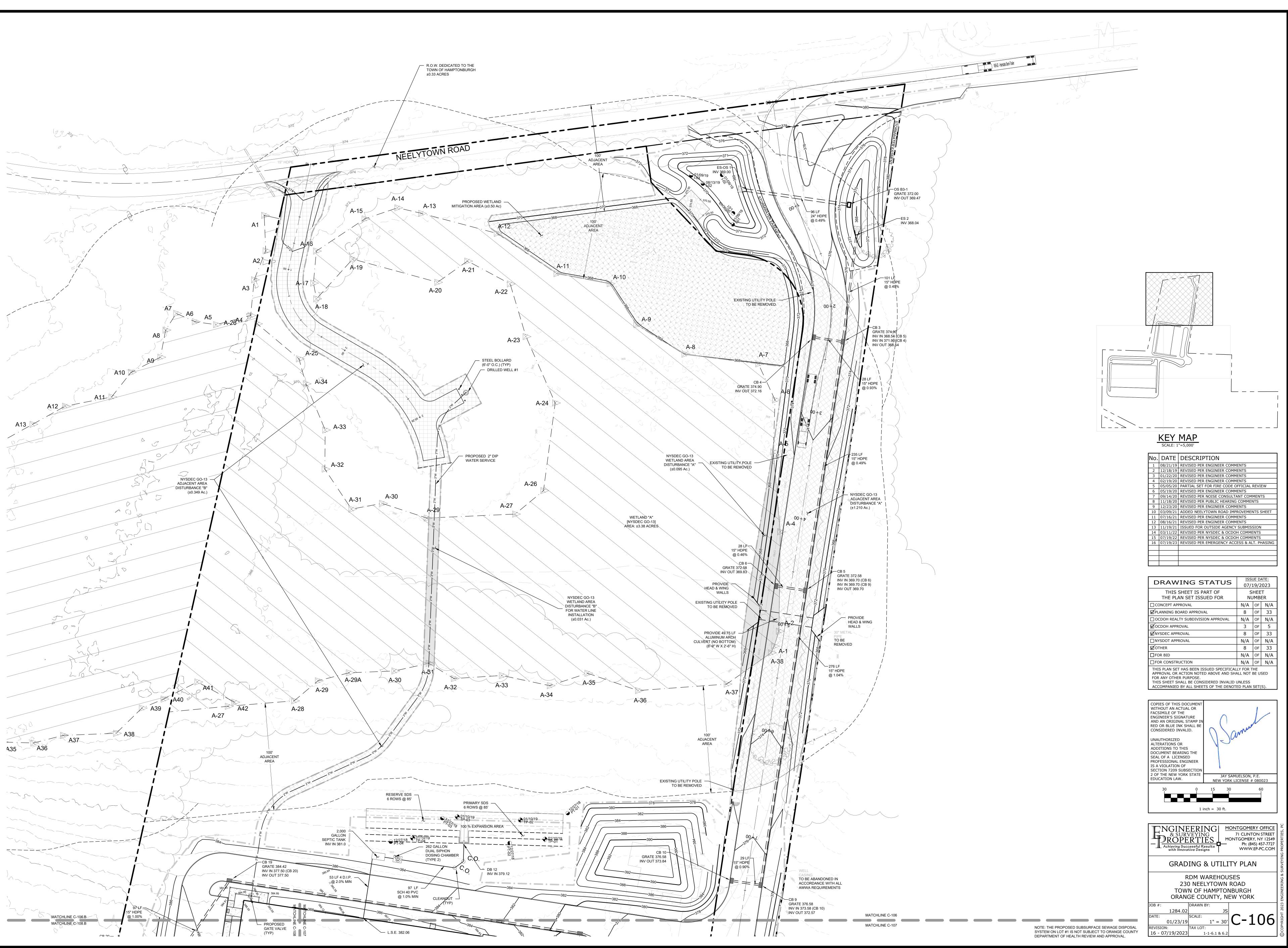
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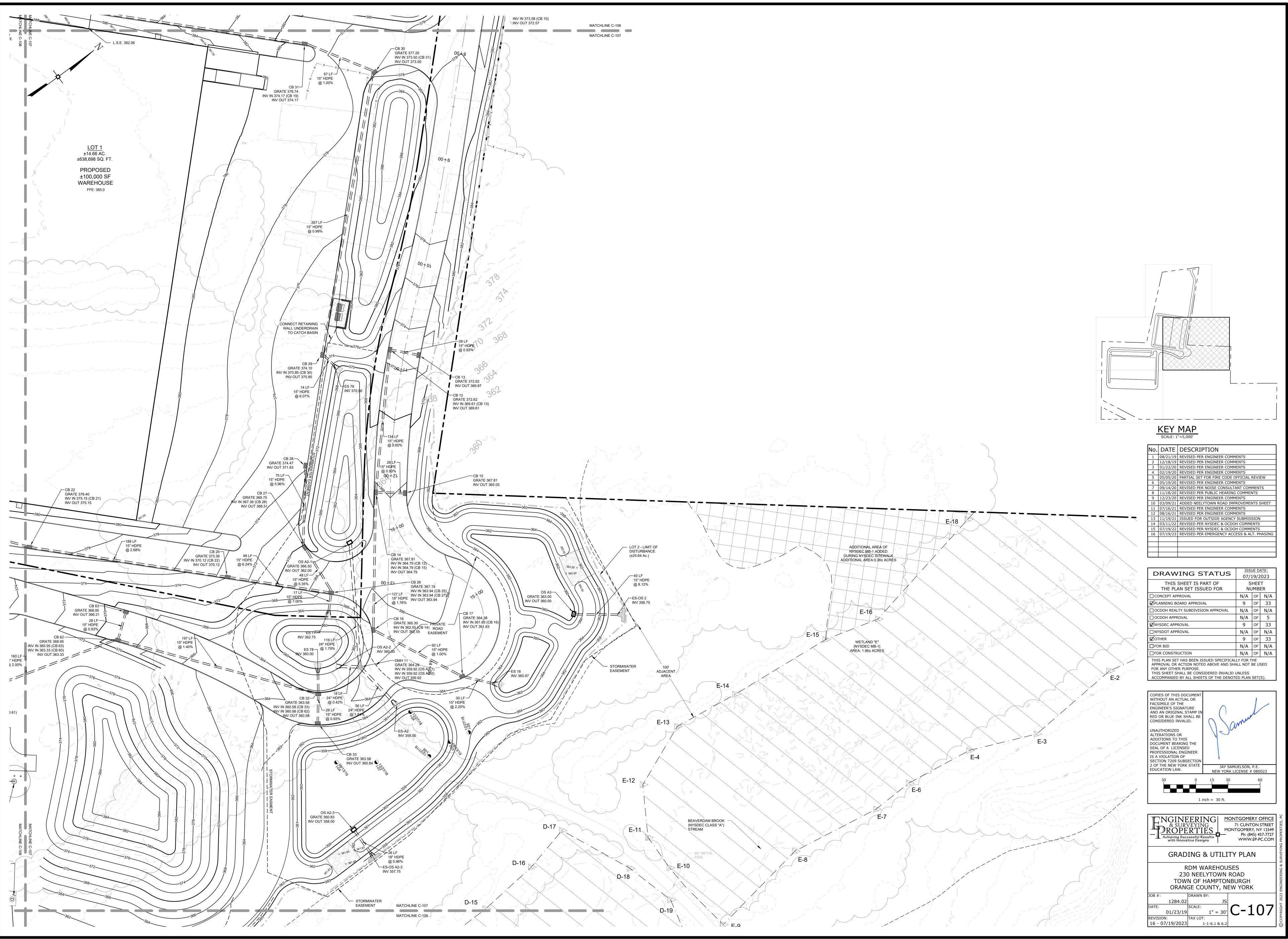
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1	08/21/19	REVISED PER ENGINEER COMMENTS
2	12/18/19	REVISED PER ENGINEER COMMENTS
3	01/22/20	REVISED PER ENGINEER COMMENTS
4	02/19/20	REVISED PER ENGINEER COMMENTS
5	05/05/20	PARTIAL SET FOR FIRE CODE OFFICIAL REVIEW
6	05/19/20	REVISED PER ENGINEER COMMENTS
7	09/14/20	REVISED PER NOISE CONSULTANT COMMENTS
8	11/18/20	REVISED PER PUBLIC HEARING COMMENTS
9	12/23/20	REVISED PER ENGINEER COMMENTS
10	03/09/21	ADDED NEELYTOWN ROAD IMPROVEMENTS SHEET
11	07/16/21	REVISED PER ENGINEER COMMENTS
12	08/16/21	REVISED PER ENGINEER COMMENTS
13	11/19/21	ISSUED FOR OUTSIDE AGENCY SUBMISSION
14	03/11/22	REVISED PER NYSDEC & OCDOH COMMENTS
15	07/19/22	REVISED PER NYSDEC & OCDOH COMMENTS
16	07/19/23	REVISED PER EMERGENCY ACCESS & ALT. PHASING

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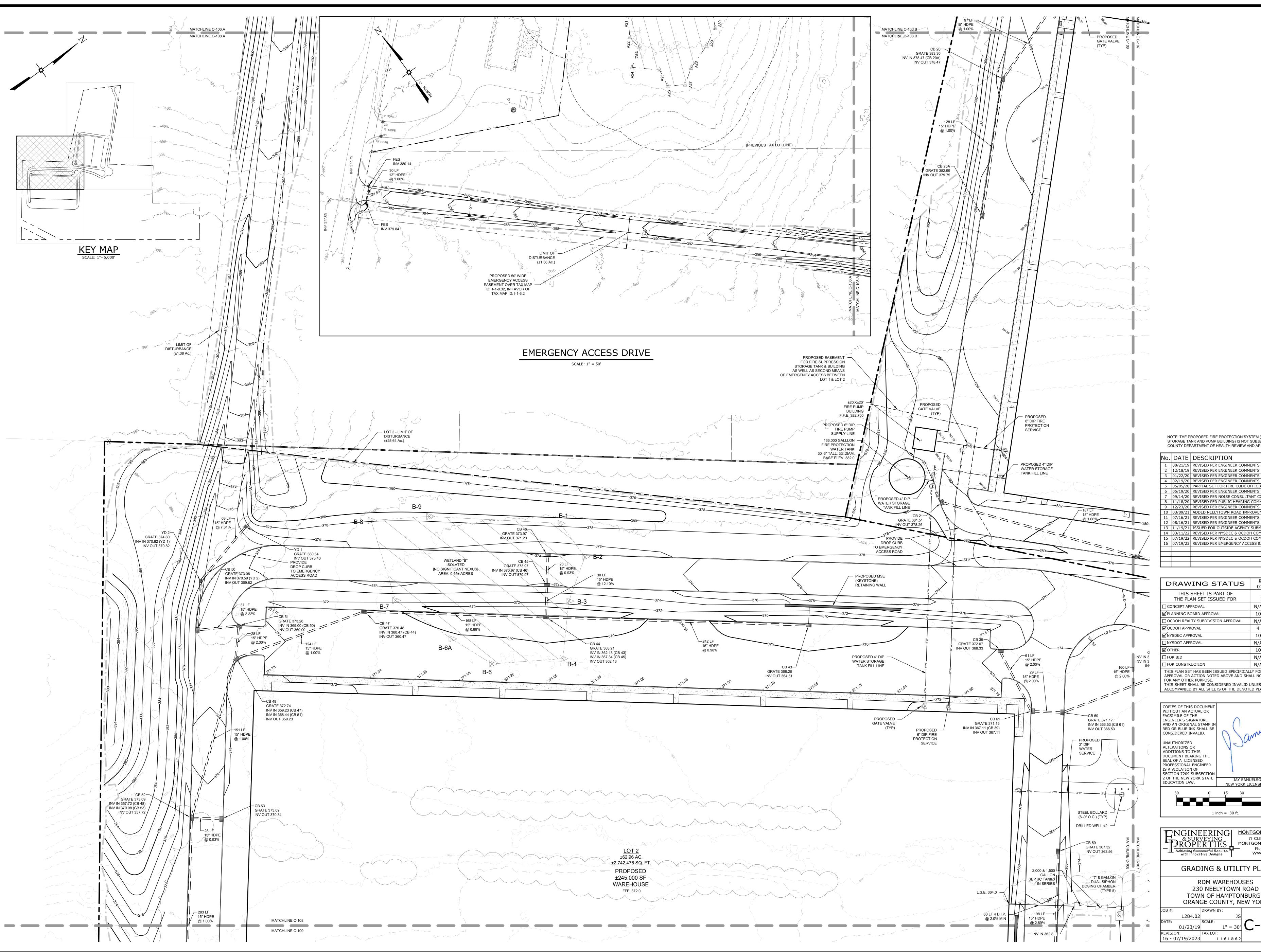
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)1/23/19	1" =100'	C-105	COPYRIGHT
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19/2023	1-1-6.1 & 6.2		Ιŏ

1 inch = 100 ft.





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AWING STATUS ISSUE DATE: 07/19/2023 THIS SHEET IS PART OF HE PLAN SET ISSUED FOR SHEET NUMBER ET APPROVAL N/A OF N/A ING BOARD APPROVAL 10 OF 33 H REALTY SUBDIVISION APPROVAL 10 OF 33 H REALTY SUBDIVISION APPROVAL 10 OF 33 TAPPROVAL 10 OF 33 D N/A 0 F N/A APPROVAL 10 OF 33 D N/A 0 F N/A AD RECTION NOTED ABOVE AND SHALL NOT BE USED N/A OF AL OR ACTION NOTED ABOVE AND SHALL NOT BE USED YOTHER PURPOSE. SECENTICALLY POR THE TAN ACTUAL OR UF OF THE DE CONSIDERED INVALID UNLESS PANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S). OF THIS DOCUMENT T AN ACTUAL OR UF OF THE SUBJUENT SHALL BE JAY SAMUELSON, P.E. NEW YORK STATE JAY SAMUELSON, P.E. NEW YORK STATE ORIZED TONS OR INS TO THIS INS TO THIS JAY SAMUELSON, P.E. NEW YORK LICENSE # 080023 FI CLINTON STREET JAY SAMUELSON, P.E. NEW YORK STATE JAY SAMUELSON, P.E. SCALE: T CLINTON STREET JONAL ENGINEER INT BARING THE JI Inch = 30 ft. </th <th></th> <th></th> <th></th> <th></th>				
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NOTE: THE PROPOSED FIRE PROTECTION SYSTEM (WATER STORAGE TANK AND PUMP BUILDING) IS NOT SUBJECT TO ORANGE COUNTY DEPARTMENT OF HEALTH REVIEW AND APPROVAL.

20 PARTIAL SET FOR FIRE CODE OFFICIAL REVIEW

ADDED NEELYTOWN ROAD IMPROVEMENTS SHEE

SSUED FOR OUTSIDE AGENCY SUBMISSION

2 REVISED PER NYSDEC & OCDOH COMMENTS

REVISED PER NYSDEC & OCDOH COMMENTS

19/23 REVISED PER EMERGENCY ACCESS & ALT. PHASING

/18/19 REVISED PER ENGINEER COMMENTS

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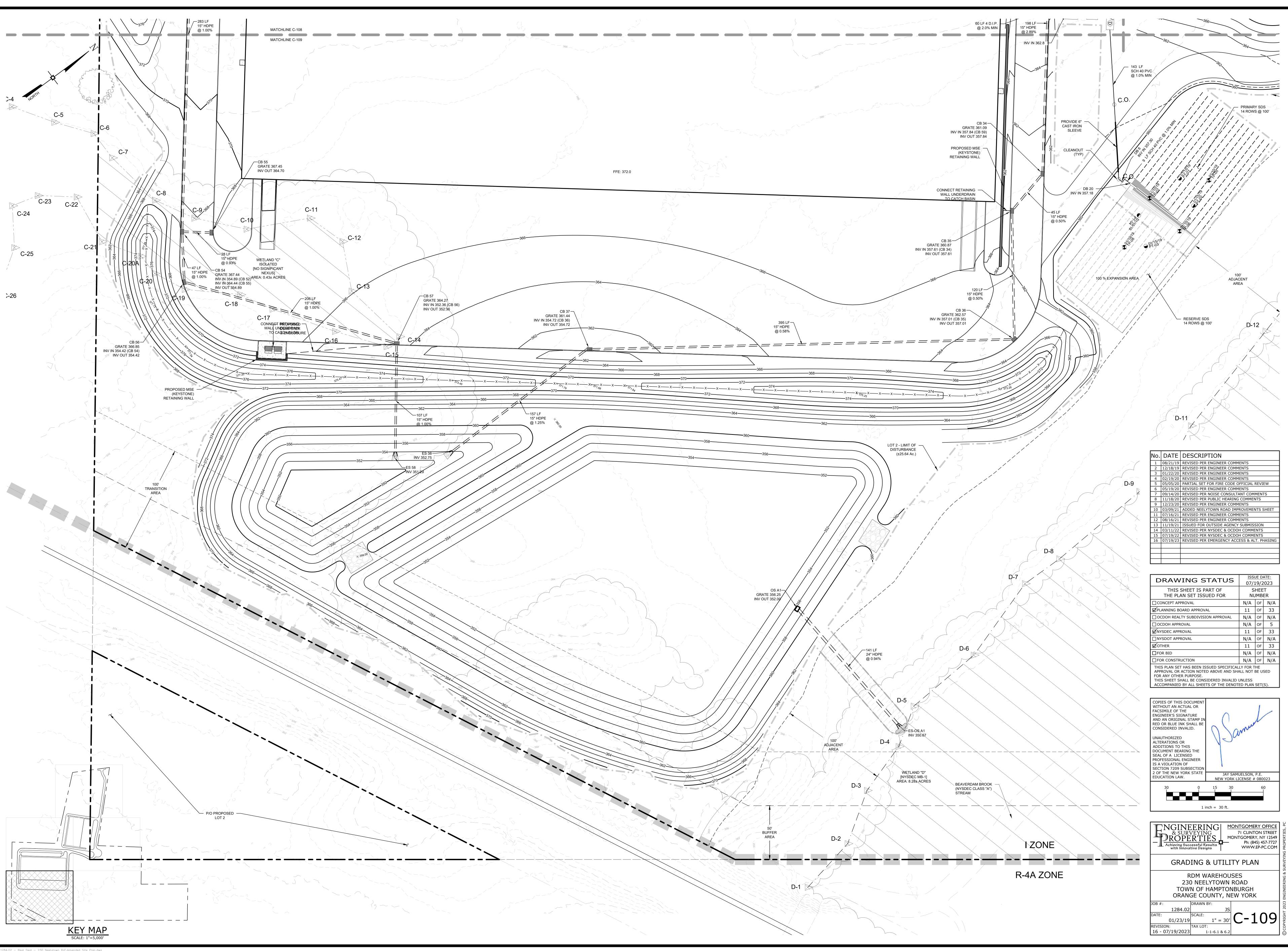
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CONSTRUCTION PHASING NOTES

- 1. ADDITIONAL NOTATION REGARDING SEQUENCING OF CONSTRUCTION, EROSION & SEDIMENT CONTROL, EARTHWORK CONSTRUCTION, AND BLASTING PROTOCOLS ARE DETAILED ON SHEET C-304 AND SHALL BE ADHERED TO. ANY CONFLICT OF NOTATION SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY FOR CLARIFICATION.
- 2. TOTAL AREA OF DISTURBANCE IS ESTIMATED AT ±35.46 ACRES 3. A PRE-CONSTRUCTION NOTIFICATION AND MEETING WILL BE REQUIRED WITH APPROPRIATE
- MUNICIPAL AND UTILITY OFFICIALS AT LEAST 7 DAYS PRIOR TO START OF CONSTRUCTION. 4. ANY PHASE WITH DISTURBANCE WITHIN 10 FEET TO ANY PORTION OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION WETLANDS AND/OR WETLAND ADJACENT

382

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260

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· ~ 402

LIMIT OF

DISTURBANCE

ISOLATED O SIGNIFICANT NEXUS FA: 0.45+ ACRES

LOT 2 ±62.96 AC. ±2,742,476 SQ. FT.

PHASE 3-1

(±1.38 Ac.)

- AREA SHALL HAVE ORANGE CONSTRUCTION FENCE STAKED ALONG THE DISTURBANCE LIMIT PRIOR TO ANY CONSTRUCTION WITHIN THAT PHASE OCCURS. 5. TEMPORARY EROSION CONTROL MEASURES, SILT FENCES, SEDIMENT TRAPS/BASINS, TEMPORARY OUTLET STRUCTURES, AND RIP-RAP PROTECTION SHALL BE INSTALLED PRIOR
- TO GROUND DISTURBANCE FOR GRADING AND CONSTRUCTION. 6. PHASE 1 SHALL CONSIST OF CONSTRUCTION OF THE NEELYTOWN ROAD CULVERT, THE PRIVATE ROADWAY, ASSOCIATED STORMWATER FACILITIES (A2 & B3), AND THE WETLAND MITIGATION AREA. THE ROADWAY CONSTRUCTION SHALL CONSIST OF EARTHWORK CUTS AND FILLS AS NECESSARY TO ESTABLISH SUBGRADE. ALL SUBSURFACE STORMWATER INFRASTRUCTURE SHALL BE INSTALLED PER THE PLAN DESIGN FOR THE STORMWATER MANAGEMENT FACILITIES. CARE SHALL BE TAKEN TO ENSURE THAT THE INFILTRATION BASIN IS NOT CUT TO FINAL GRADE DURING CONSTRUCTION AND SHALL ONLY BE CUT TO FINAL GRADE UPON STABILIZATION OF THE ROADWAY AND ALL ROADWAY EMBANKMENTS. THE WETLAND MITIGATION AREA SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NYSDEC APPROVED WETLAND MITIGATION PLANS.
- 7. PHASE 2 SHALL CONSIST OF LOT 1 CONSTRUCTION, WHICH INCLUDES A 100,000 SF BUILDING, ASSOCIATED PARKING AND LOADING AREAS, INDIVIDUAL SUBSURFACE SEPTIC SYSTEM, THE WATER SERVICE LINE FROM THE EXISTING DRILLED WELL, AND REQUIRED STORMWATER FACILITY (A3). PHASE 2 SHALL BE COMPLETED IN TWO SUB-PHASES. PHASE 2-1 WILL CONSIST OF THE WELL MAINTENANCE DRIVE FROM NEELYTOWN ROAD TO THE EXISTING DRILLED WELL AND TURNAROUND, ALONG WITH THE WATERMAIN FROM THE EXISTING WELL SITE TO THE BUILDING, AND THE CONSTRUCTION OF STORMWATER FACILITIES A3-1, A3-2 & A3-3. CARE SHALL BE TAKEN TO ENSURE THAT THE INFILTRATION BASIN IS NOT CUT TO FINAL GRADE DURING CONSTRUCTION AND SHALL ONLY BE CUT TO FINAL GRADE UPON STABILIZATION OF THE BUILDING, ROADWAY, PARKING AND LOADING AREAS FOR LOT 1. PHASE 2-2 SHALL CONSIST OF THE LOT 1 BUILDING, PARKING AREAS, TRUCK LOADING DOCK AREA , ALONG WITH THE FIRE SUPPRESSION STORAGE TANK AND PUMP BUILDING AND INSTALLATION OF THE LOT 1 SDS.
- 8. PHASE 3 SHALL CONSIST OF LOT 2 CONSTRUCTION, WHICH INCLUDES A 245,000 SF BUILDING, ASSOCIATED PARKING AND LOADING AREAS, INDIVIDUAL SUBSURFACE SEPTIC SYSTEM, THE WATER SERVICE LINE FROM THE EXISTING DRILLED WELL AND REQUIRED STORMWATER FACILITY (A1). PHASE 3 SHALL BE COMPLETED IN FOUR SUB-PHASES. PHASE 3-1 WILL CONSIST OF THE CONSTRUCTION OF STORMWATER FACILITY A1. PHASE 3-2 WILL CONSIST OF THE LOT 2 ACCESS DRIVEWAY UP TO THE EMPLOYEE PARKING AREA, ALONG WITH THE EMERGENCY ACCESS DRIVE FROM NEELYTOWN ROAD ACROSS ADJACENT TAX LOT 1-1-8.32 TO THE PARKING AREA OF LOT 2. PHASE 3-3 WILL CONSIST OF THE CONSTRUCTION OF THE 245,000 SF BUILDING ALONG WITH ASSOCIATED PARKING AND LOADING AREAS. PHASE 3-4 WILL CONSIST OF CONSTRUCTION OF THE INDIVIDUAL SUBSURFACE SEPTIC SYSTEM.
-). IN AN ATTEMPT TO BALANCE THE SITE WITH REGARDS TO EARTH MOVEMENT, THERE WILL BE A NEED TO HAVE GREATER THAN 5 ACRES DISTURBED AT ANY TIME DURING PHASE 2 AND PHASE 3 DUE TO THE SIZE OF THE BUILDINGS AND THE REQUIRED CUTS & FILLS. EARTH WILL BE MOVED FROM LOT 1 AND STOCKPILED ON LOT 2 FOR FUTURE USE IN THE DEVELOPMENT OF LOT 2. PHASE 3, WHICH CONSISTS OF THE CONSTRUCTION OF THE 245,000 SF BUILDING (WHICH ALONE IS >5AC.) WILL REQUIRE AN AREA LARGER THAN 5 ACRES TO BE DISTURBED TO ACCOMPLISH THE LARGE AMOUNTS OF CUTS AND FILLS. ADDITIONAL STORMWATER MANAGEMENT MEASURES AND ARE DETAILED ON SHEET C-304) AND ADDITIONAL REQUIREMENTS FOR SITES WITH GREATER THAN 5 ACRES OF DISTURBANCE AT ANY ONE TIME
- ARE LISTED BELOW: • THE REQUIRED CONSTRUCTION SITE INSPECTIONS BY A QUALIFIED INSPECTOR SHALL OCCUR TWO (2) TIME EVERY SEVEN (7) DAYS WITH A MINIMUM OF TWO (2) FULL DAYS BETWEEN INSPECTIONS. • IN AREAS WHERE DISTURBANCE HAS TEMPORARILY OR PERMANENTLY CEASED, STABILIZATION SHALL BE IMPLEMENTED WITHIN SEVEN (7) DAYS FROM THE COMPLETION
- OF SOIL DISTURBANCE ACTIVITY. 10. AS MANY OF THE PHASES WILL REQUIRE DISTURBANCE OF THE SAME AREA IN MULTIPLE PHASES, THE TOTAL DISTURBANCE OF ALL THE PHASES WILL BE GREATER THAN THE ACTUAL DISTURBANCE. AS CONSTRUCTION PROGRESSES WITHIN EACH PHASE, DISTURBED AREAS WILL BE STABILIZED. IN AN ATTEMPT TO ACHIEVE CONTINUITY OF CONSTRUCTION AND MAXIMIZE EFFICIENCY OF EARTHWORK, UTILITIES, PAVING, ETC., THERE ARE SEVERAL AREAS THAT WILL BE DISTURBED IN MULTIPLE PHASES THAT HAVE BEEN ACCOUNTED FOR IN THE -39^{l} OVERALL DISTURBANCE AREA OF EACH PHASE. THE TOTAL AREA OF DISTURBANCE IS ±35.46 AC. BUT AS NOTED PREVIOUSLY, EACH PHASE MAY CONTAIN OVERLAPPING AREAS.

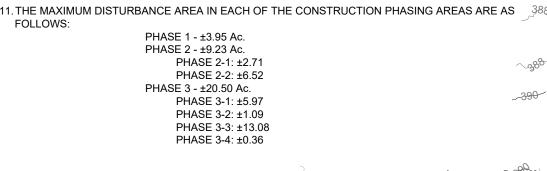
LOT 2 - LIMIT OF – DISTURBANCE

C-3 ~ 🕅 🔪

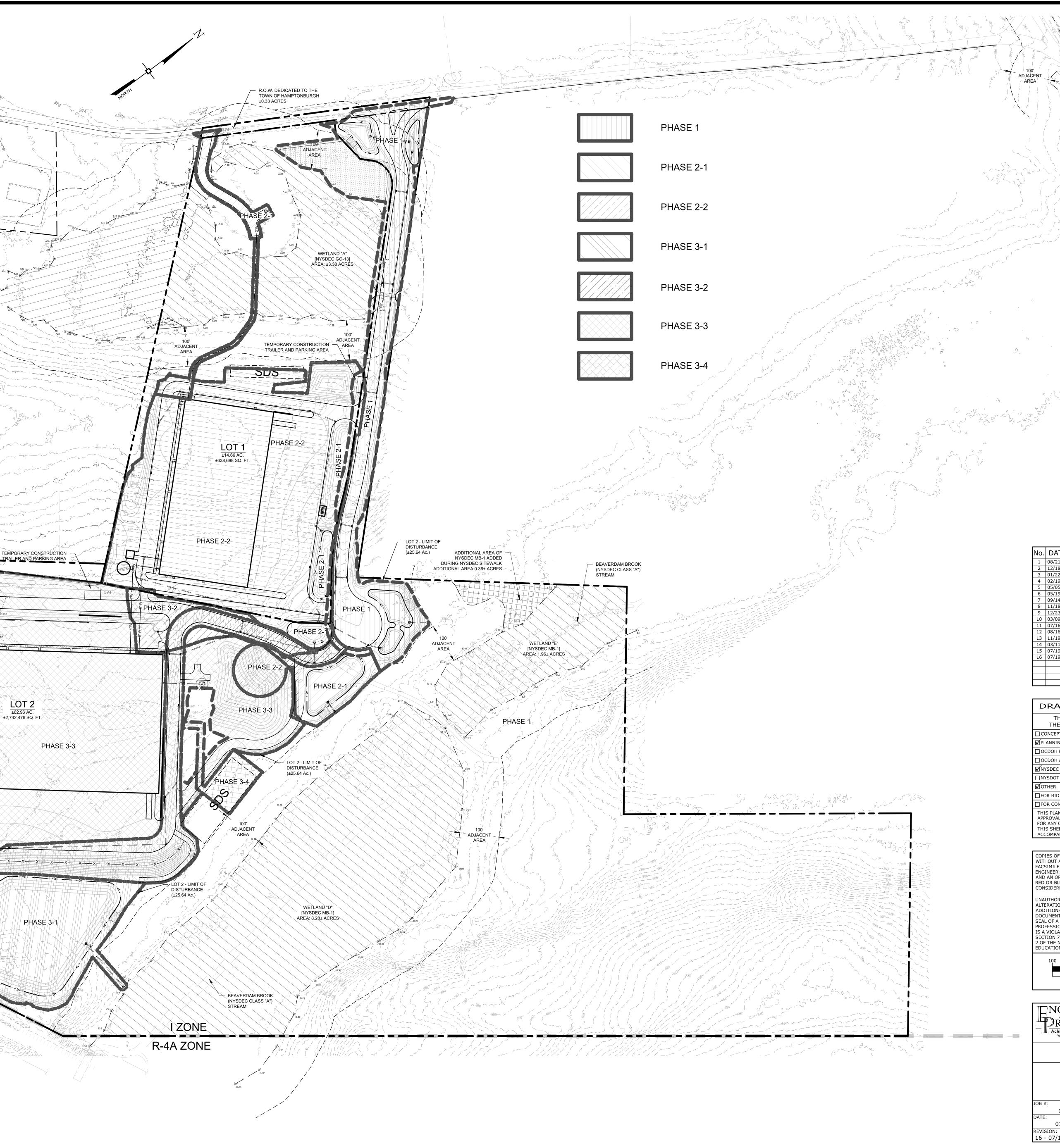
WETLAND "C"

ISOLATED AREA: 0.43 ACRES

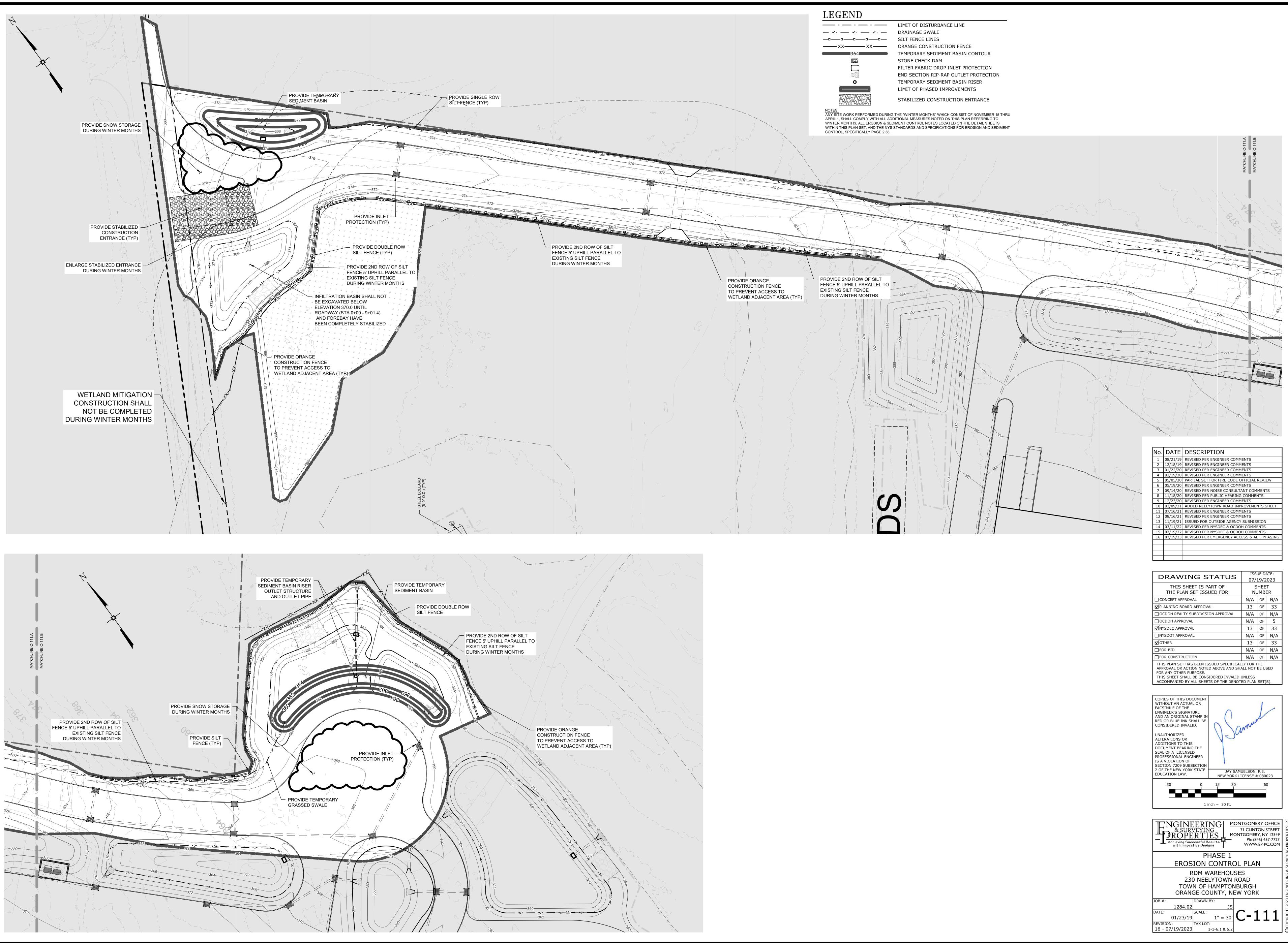
(±25.64 Ac.)

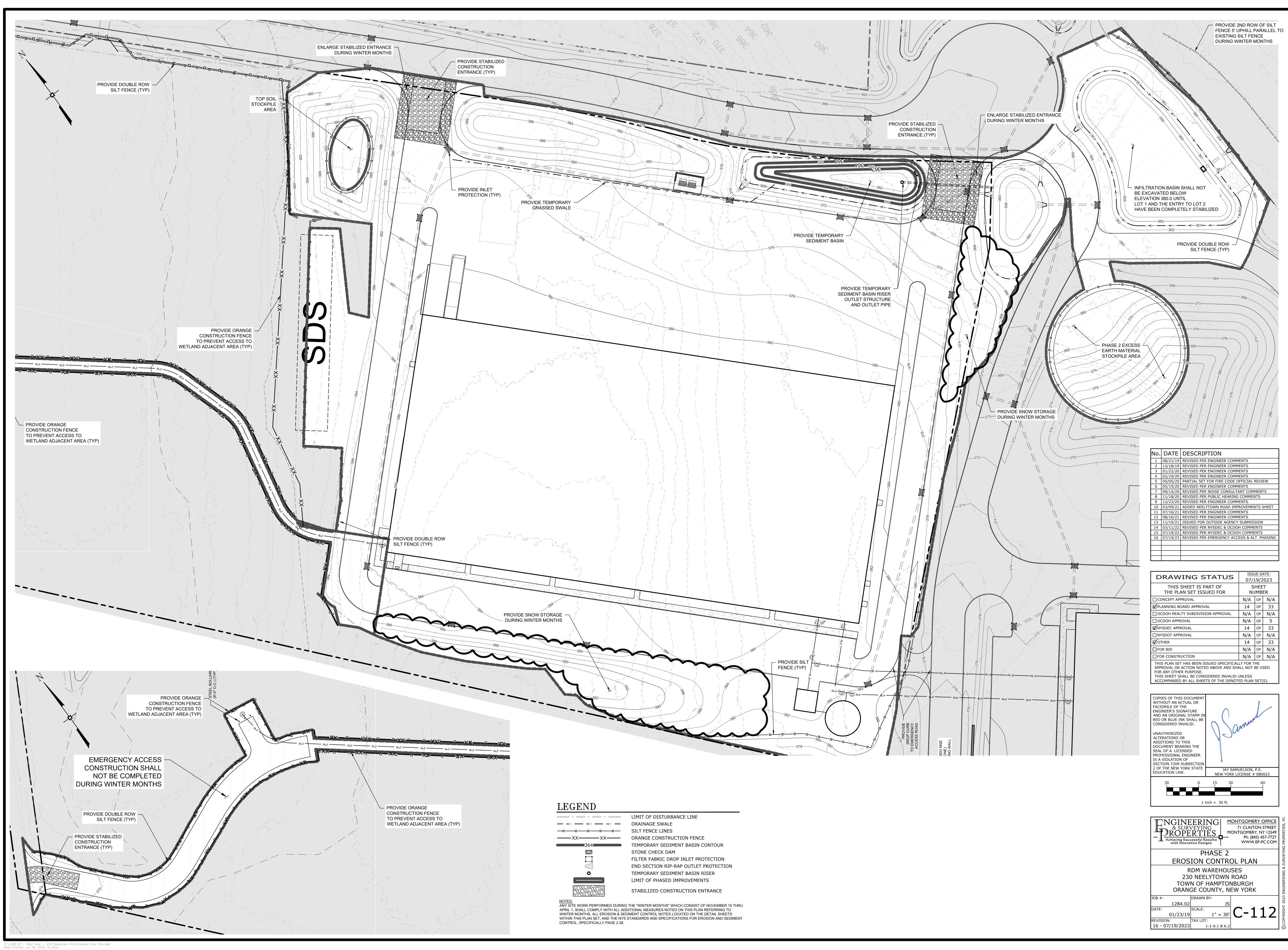


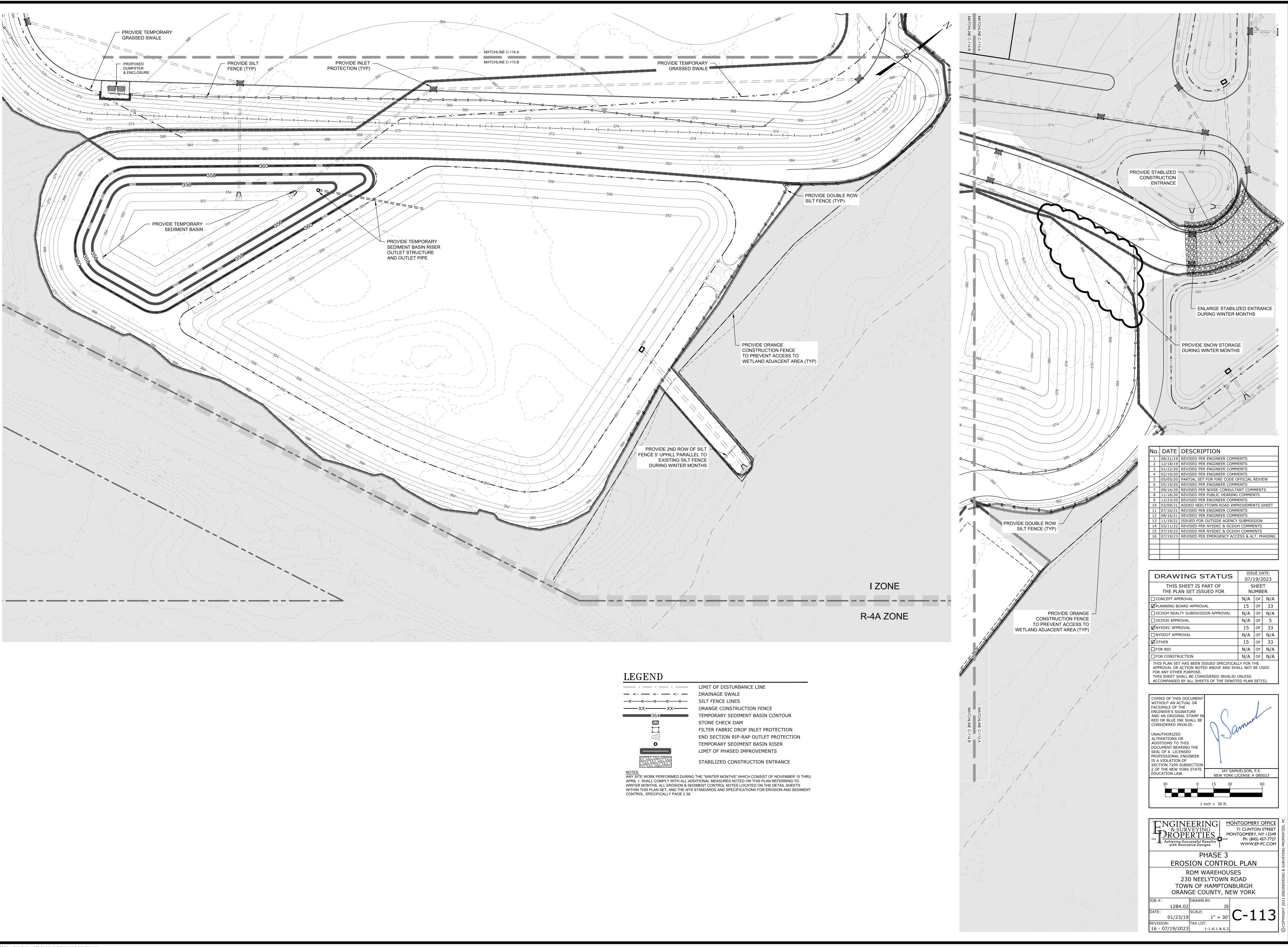
FOLLOWS:



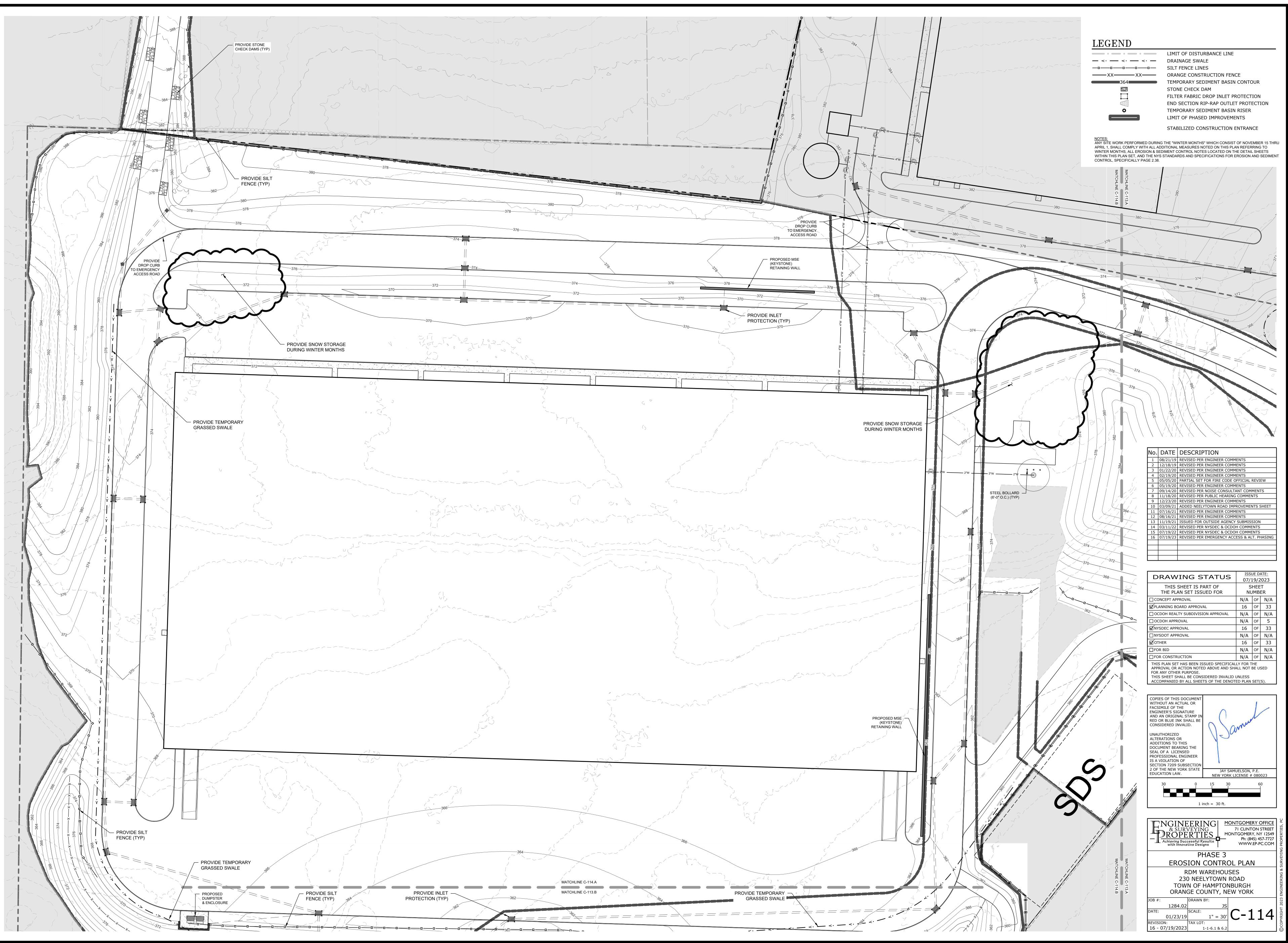
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230 NEELYTOWN RO TOWN OF HAMPTONBU ORANGE COUNTY, NEW 1284.02 JS 01/23/19 1" = 100' X: TAX LOT: 7/19/2023 1-1-6.1 & 6.2	DAD JRGH YORK C-110

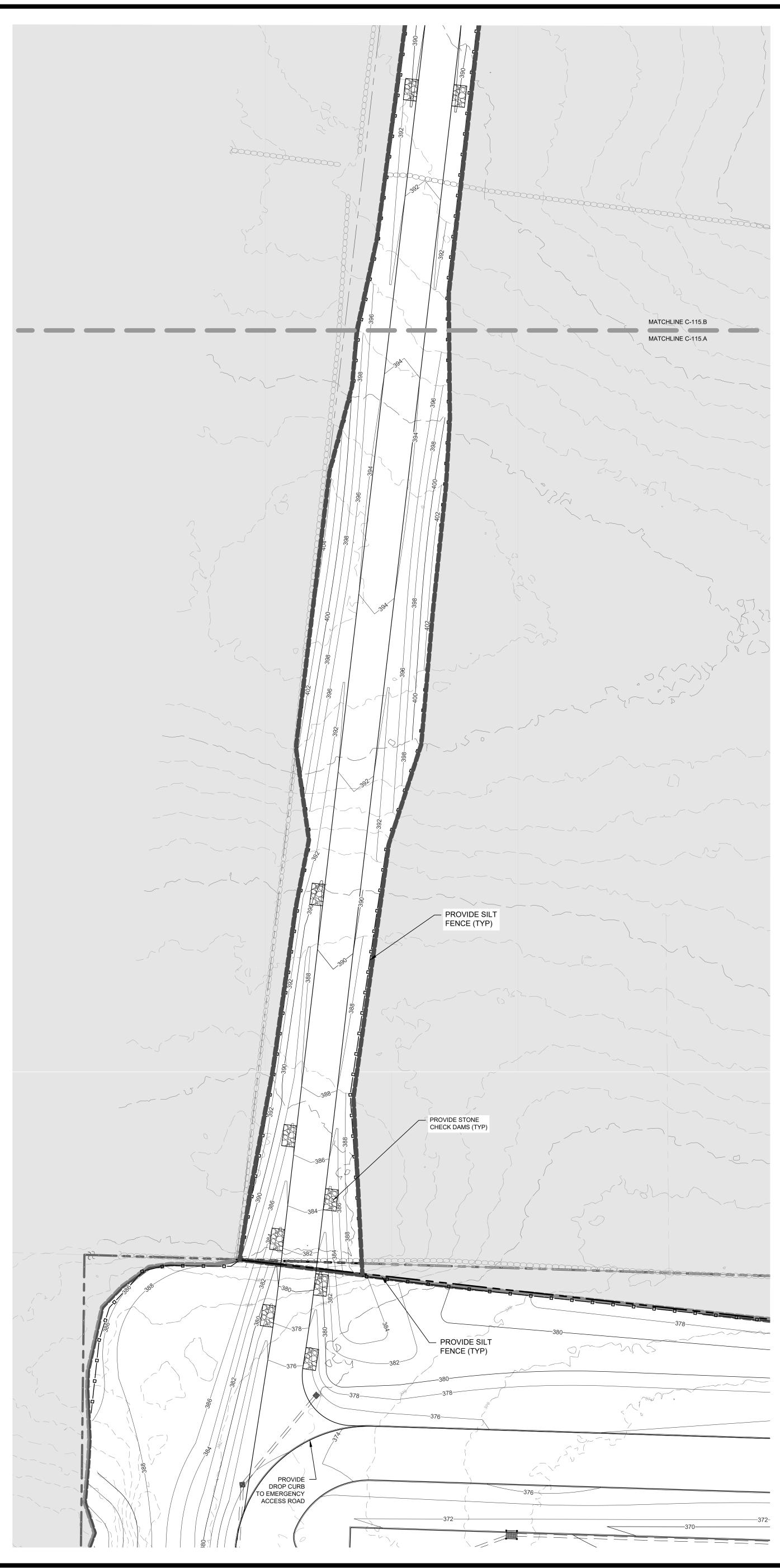




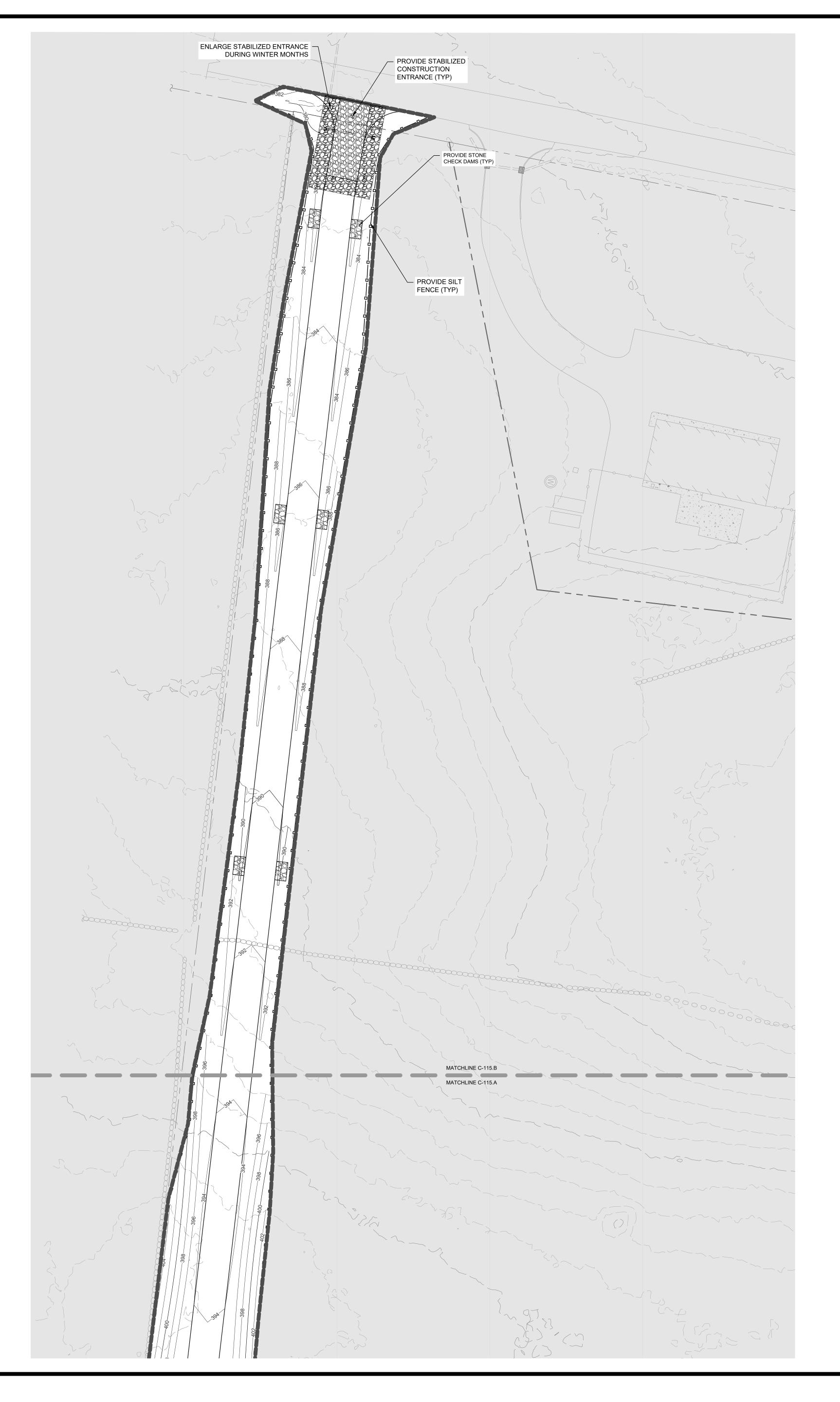


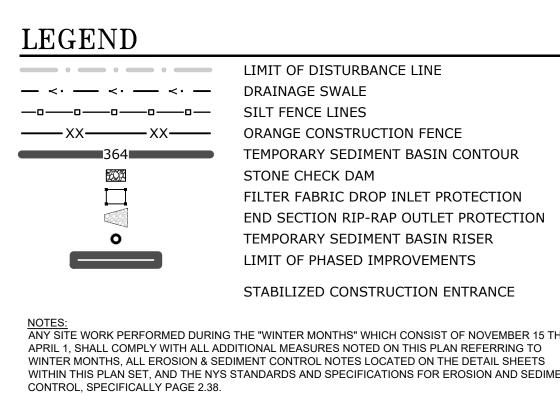
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- JOB #: DATE: (REVISION: 16 - 07/

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IMENT C	MEASURES NOTED ON THIS PLAN REFERRING TO CONTROL NOTES LOCATED ON THE DETAIL SHEETS RDS AND SPECIFICATIONS FOR EROSION AND SEDIMEN
DATE 3/21/19 2/18/19 2/2/20 2/19/20 5/05/20 5/19/20 0/14/20 2/23/20 3/09/21 7/16/21 3/16/21 3/16/21 3/16/21 3/11/22 7/19/23	REVISED PER ENGINEER COMMENTS REVISED PER ENGINEER COMMENTS REVISED PER ENGINEER COMMENTS PARTIAL SET FOR FIRE CODE OFFICIAL REVIEW REVISED PER ENGINEER COMMENTS REVISED PER NOISE CONSULTANT COMMENTS REVISED PER PUBLIC HEARING COMMENTS REVISED PER ENGINEER COMMENTS ADDED NEELYTOWN ROAD IMPROVEMENTS SHEET REVISED PER ENGINEER COMMENTS REVISED PER ENGINEER COMMENTS ISSUED FOR OUTSIDE AGENCY SUBMISSION REVISED PER NYSDEC & OCDOH COMMENTS REVISED PER NYSDEC & OCDOH COMMENTS
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Achievin with I ER	TAX LOT:

ALTERNATE CONSTRUCTION PHASING NOTES

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NAO

PROPOSED

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DUMPSTER ENCLOSURE LIMIT OF

DISTURBANCE

ISOLATED NO SIGNIFICANT NEXUS REA: 0.45± ACRES

PARKING AREA

LOT 2 ±62.96 AC. ±2,742,476 SQ. FT

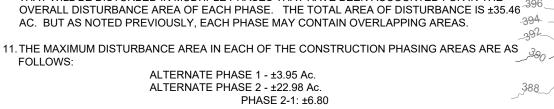
PHASE 2-1

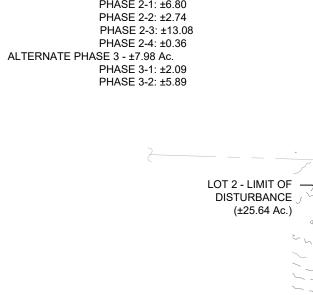
(±1.38 Ac.)

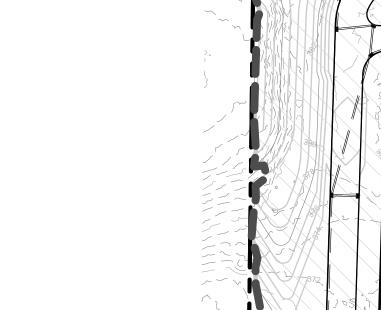
- 1. ADDITIONAL NOTATION REGARDING SEQUENCING OF CONSTRUCTION, EROSION & SEDIMENT CONTROL, EARTHWORK CONSTRUCTION, AND BLASTING PROTOCOLS ARE DETAILED ON SHEET C-304 AND SHALL BE ADHERED TO. ANY CONFLICT OF NOTATION SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY FOR CLARIFICATION.
- 2. TOTAL AREA OF DISTURBANCE IS ESTIMATED AT ±35.46 ACRES 3. A PRE-CONSTRUCTION NOTIFICATION AND MEETING WILL BE REQUIRED WITH APPROPRIATE
- MUNICIPAL AND UTILITY OFFICIALS AT LEAST 7 DAYS PRIOR TO START OF CONSTRUCTION. 4. ANY PHASE WITH DISTURBANCE WITHIN 10 FEET TO ANY PORTION OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION WETLANDS AND/OR WETLAND ADJACENT
- AREA SHALL HAVE ORANGE CONSTRUCTION FENCE STAKED ALONG THE DISTURBANCE LIMIT PRIOR TO ANY CONSTRUCTION WITHIN THAT PHASE OCCURS. 5. TEMPORARY EROSION CONTROL MEASURES, SILT FENCES, SEDIMENT TRAPS/BASINS,
- TEMPORARY OUTLET STRUCTURES, AND RIP-RAP PROTECTION SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE FOR GRADING AND CONSTRUCTION. 6. PHASE 1 SHALL CONSIST OF CONSTRUCTION OF THE NEELYTOWN ROAD CULVERT, THE
- PRIVATE ROADWAY, ASSOCIATED STORMWATER FACILITIES (A2 & B3), AND THE WETLAND MITIGATION AREA. THE ROADWAY CONSTRUCTION SHALL CONSIST OF EARTHWORK CUTS AND FILLS AS NECESSARY TO ESTABLISH SUBGRADE. ALL SUBSURFACE STORMWATER INFRASTRUCTURE SHALL BE INSTALLED PER THE PLAN DESIGN FOR THE STORMWATER MANAGEMENT FACILITIES. CARE SHALL BE TAKEN TO ENSURE THAT THE INFILTRATION BASIN IS NOT CUT TO FINAL GRADE DURING CONSTRUCTION AND SHALL ONLY BE CUT TO FINAL GRADE UPON STABILIZATION OF THE ROADWAY AND ALL ROADWAY EMBANKMENTS. THE WETLAND MITIGATION AREA SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NYSDEC APPROVED WETLAND MITIGATION PLANS.
- ASSOCIATED PARKING AND LOADING AREAS, INDIVIDUAL SUBSURFACE SEPTIC SYSTEM, THE WATER SERVICE LINE FROM THE EXISTING DRILLED WELL AND REQUIRED STORMWATER FACILITY (A1) PHASE 2 SHALL BE COMPLETED IN FOUR SUB-PHASES PHASE 2-1 WILL CONSIST OF THE CONSTRUCTION OF STORMWATER FACILITIES A1, A2, & A2-B. PHASE 2-2 WILL CONSIST OF THE LOT 2 ACCESS DRIVEWAY UP TO THE EMPLOYEE PARKING AREA, THE EMERGENCY ACCESS DRIVE FROM NEELYTOWN ROAD ACROSS ADJACENT TAX LOT 1-1-8.32 TO THE PARKING AREA OF LOT 2, ALONG WITH THE FIRE SUPPRESSION STORAGE TANK AND PUMP BUILDING. PHASE 2-3 WILL CONSIST OF THE CONSTRUCTION OF THE 245,000 SF BUILDING AND ASSOCIATED PARKING & LOADING AREAS. PHASE 2-4 WILL CONSIST OF CONSTRUCTION OF THE INDIVIDUAL SUBSURFACE SEPTIC SYSTEM.

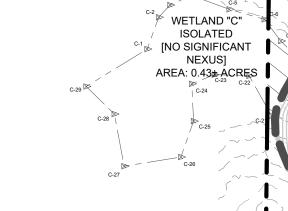
7. PHASE 2 SHALL CONSIST OF LOT 2 CONSTRUCTION, WHICH INCLUDES A 245,000 SF BUILDING,

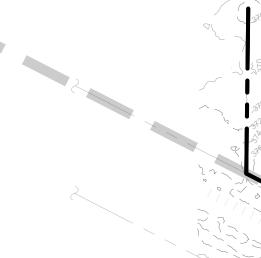
- 8. PHASE 3 SHALL CONSIST OF LOT 1 CONSTRUCTION, WHICH INCLUDES A 100,000 SF BUILDING, ASSOCIATED PARKING AND LOADING AREAS, INDIVIDUAL SUBSURFACE SEPTIC SYSTEM, THE WATER SERVICE LINE FROM THE EXISTING DRILLED WELL, AND REQUIRED STORMWATER FACILITY (A3). PHASE 3 SHALL BE COMPLETED IN TWO SUB-PHASES. PHASE 3-1 WILL CONSIST OF THE WELL MAINTENANCE DRIVE FROM NEELYTOWN ROAD TO THE EXISTING DRILLED WELL AND TURNAROUND, ALONG WITH THE WATERMAIN FROM THE EXISTING WELL SITE TO THE BUILDING, AND THE CONSTRUCTION OF STORMWATER FACILITIES A3-1, A3-2 & A3-3. CARE SHALL BE TAKEN TO ENSURE THAT THE INFILTRATION BASIN IS NOT CUT TO FINAL GRADE DURING CONSTRUCTION AND SHALL ONLY BE CUT TO FINAL GRADE UPON STABILIZATION OF THE BUILDING, ROADWAY, PARKING AND LOADING AREAS FOR LOT 1. PHASE 3-2 SHALL CONSIST OF THE LOT 1 BUILDING, PARKING AREAS, TRUCK LOADING DOCK AREA AND INSTALLATION OF THE LOT 1 SDS.
- 9. IN AN ATTEMPT TO BALANCE THE SITE WITH REGARDS TO EARTH MOVEMENT, THERE WILL BE A NEED TO HAVE GREATER THAN 5 ACRES DISTURBED AT ANY TIME DURING PHASE 2 AND PHASE 3 DUE TO THE SIZE OF THE BUILDINGS AND THE REQUIRED CUTS & FILLS. EARTH WILL BE MOVED FROM LOT 1 AND STOCKPILED ON LOT 2 FOR FUTURE USE IN THE DEVELOPMENT OF LOT 2. PHASE 3, WHICH CONSISTS OF THE CONSTRUCTION OF THE 245,000 SF BUILDING (WHICH ALONE IS >5AC.) WILL REQUIRE AN AREA LARGER THAN 5 ACRES TO BE DISTURBED TO ACCOMPLISH THE LARGE AMOUNTS OF CUTS AND FILLS. ADDITIONAL STORMWATER MANAGEMENT MEASURES AND ARE DETAILED ON SHEET C-304) AND ADDITIONAL REQUIREMENTS FOR SITES WITH GREATER THAN 5 ACRES OF DISTURBANCE AT ANY ONE TIME
- ARE LISTED BELOW: • THE REQUIRED CONSTRUCTION SITE INSPECTIONS BY A QUALIFIED INSPECTOR SHALL OCCUR TWO (2) TIME EVERY SEVEN (7) DAYS WITH A MINIMUM OF TWO (2) FULL DAYS BETWEEN INSPECTIONS. • IN AREAS WHERE DISTURBANCE HAS TEMPORARILY OR PERMANENTLY CEASED, STABILIZATION SHALL BE IMPLEMENTED WITHIN SEVEN (7) DAYS FROM THE COMPLETION
- OF SOIL DISTURBANCE ACTIVITY. 10. AS MANY OF THE PHASES WILL REQUIRE DISTURBANCE OF THE SAME AREA IN MULTIPLE PHASES, THE TOTAL DISTURBANCE OF ALL THE PHASES WILL BE GREATER THAN THE ACTUAL DISTURBANCE. AS CONSTRUCTION PROGRESSES WITHIN EACH PHASE, DISTURBED AREAS WILL BE STABILIZED. IN AN ATTEMPT TO ACHIEVE CONTINUITY OF CONSTRUCTION AND MAXIMIZE EFFICIENCY OF EARTHWORK, UTILITIES, PAVING, ETC., THERE ARE SEVERAL AREAS 🛒 THAT WILL BE DISTURBED IN MULTIPLE PHASES THAT HAVE BEEN ACCOUNTED FOR IN THE

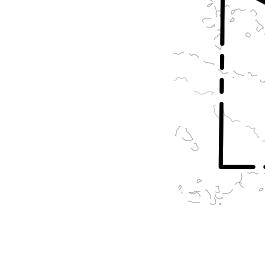


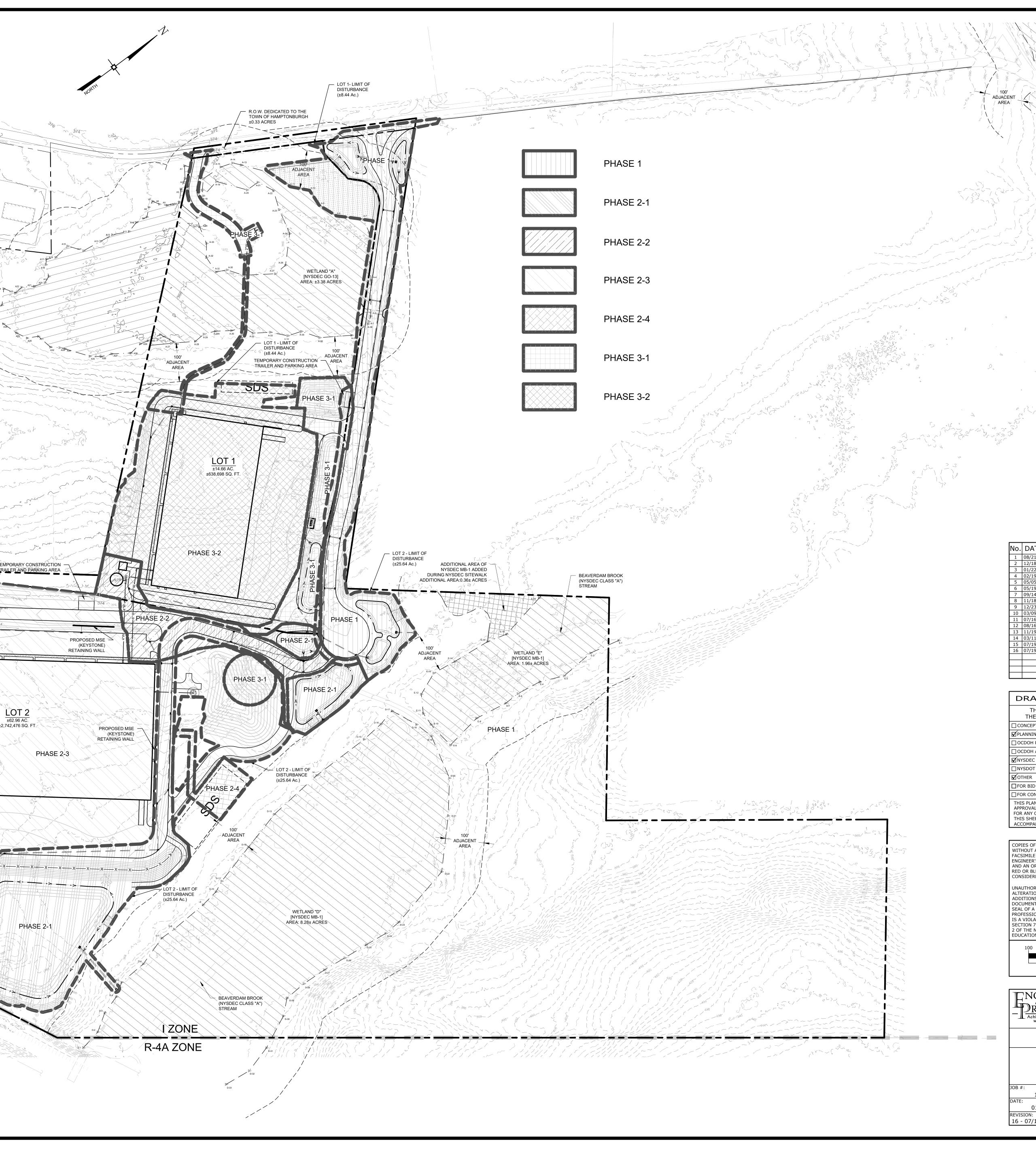




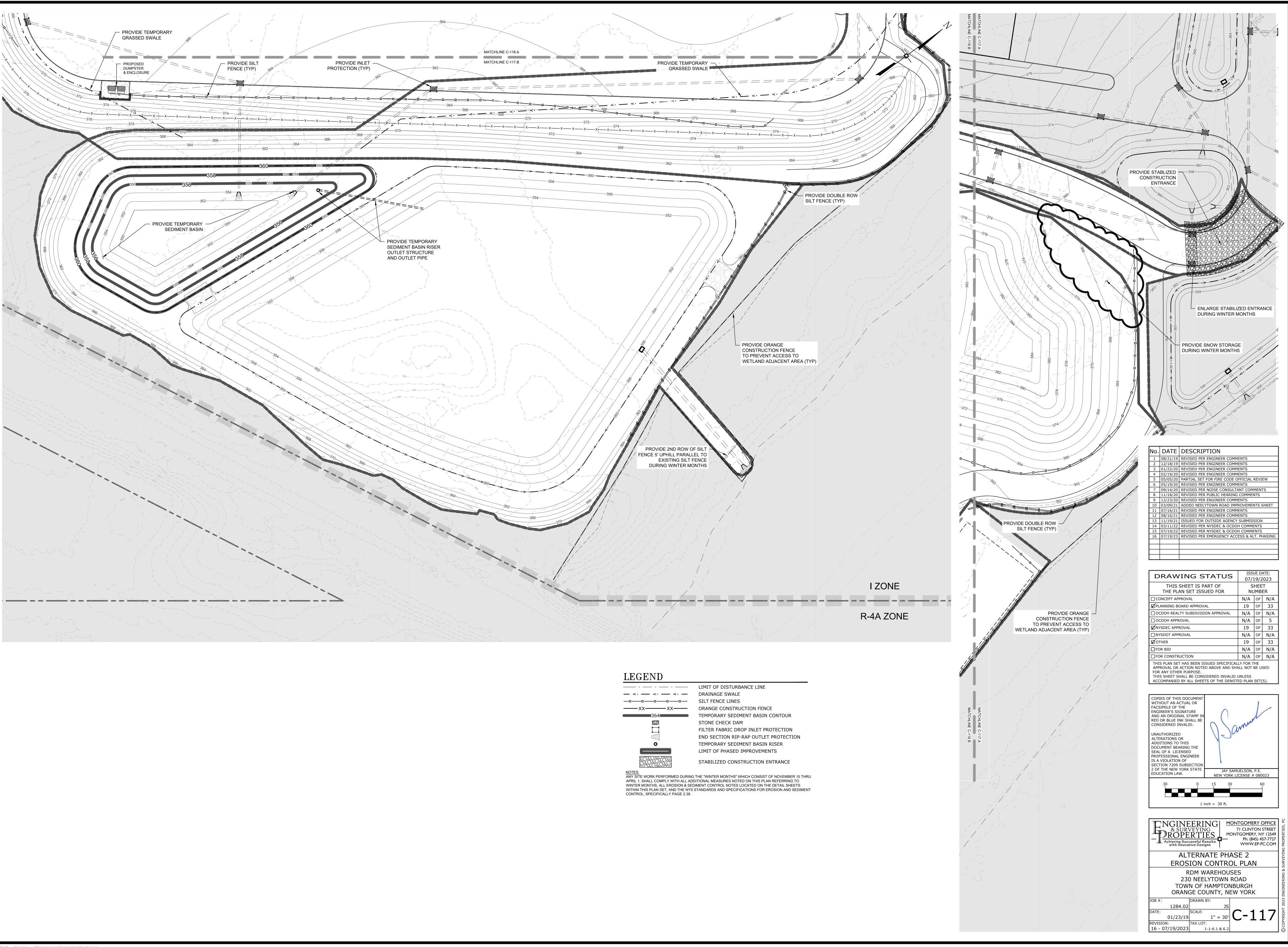




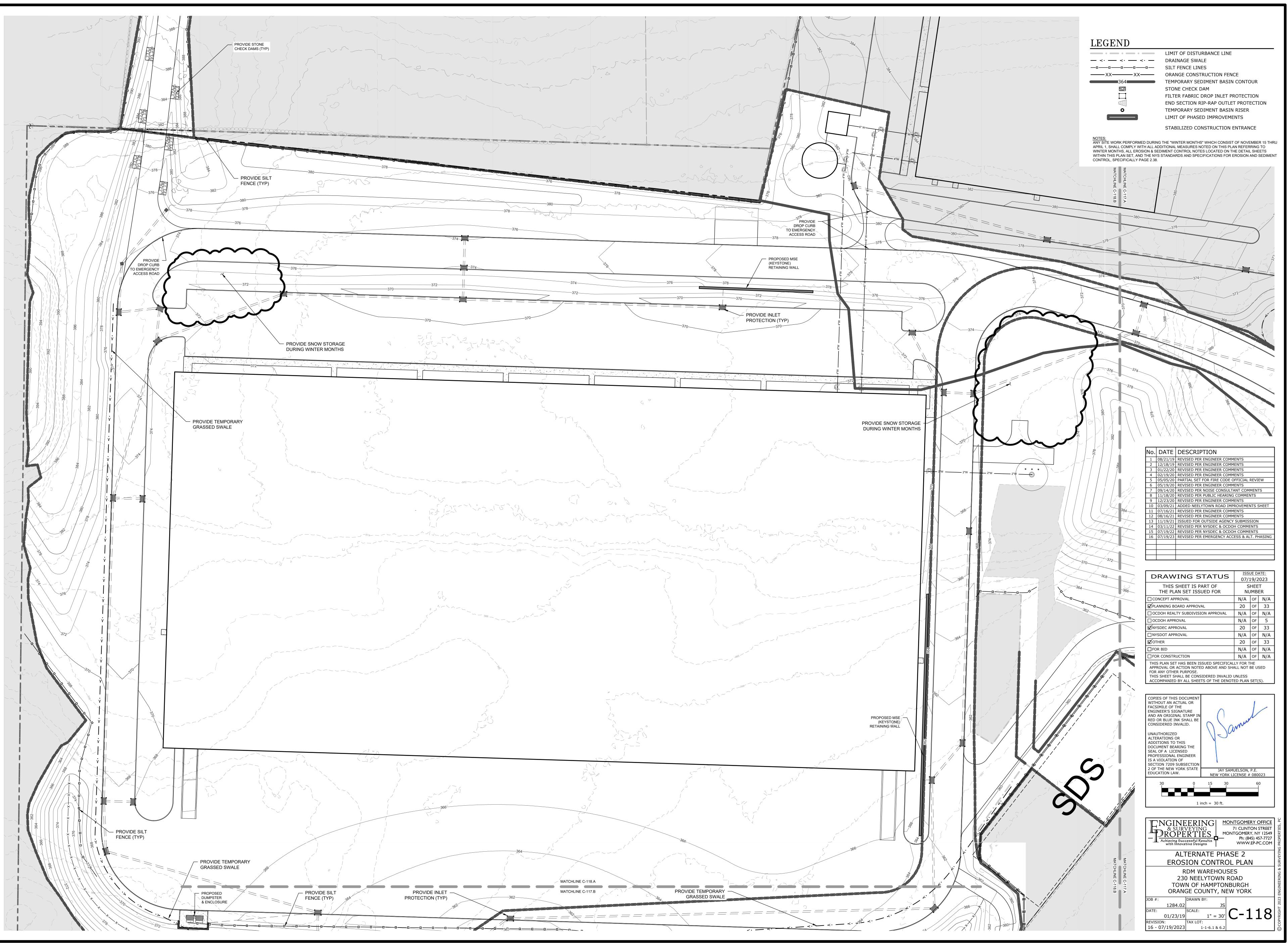


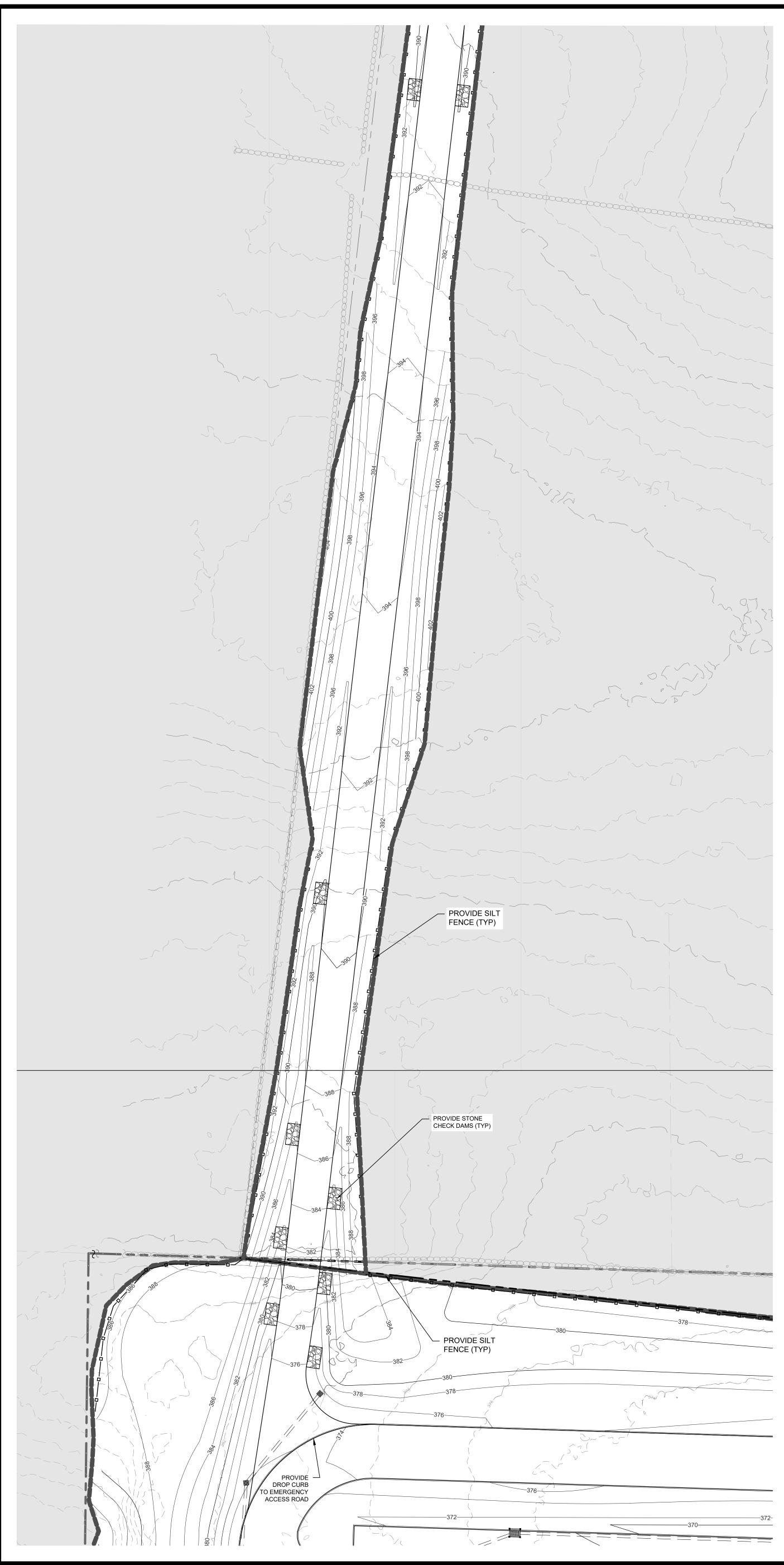


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| © COPYRIGHT 2023 ENGINEERING & SURVEVING PROPERTIES, PC                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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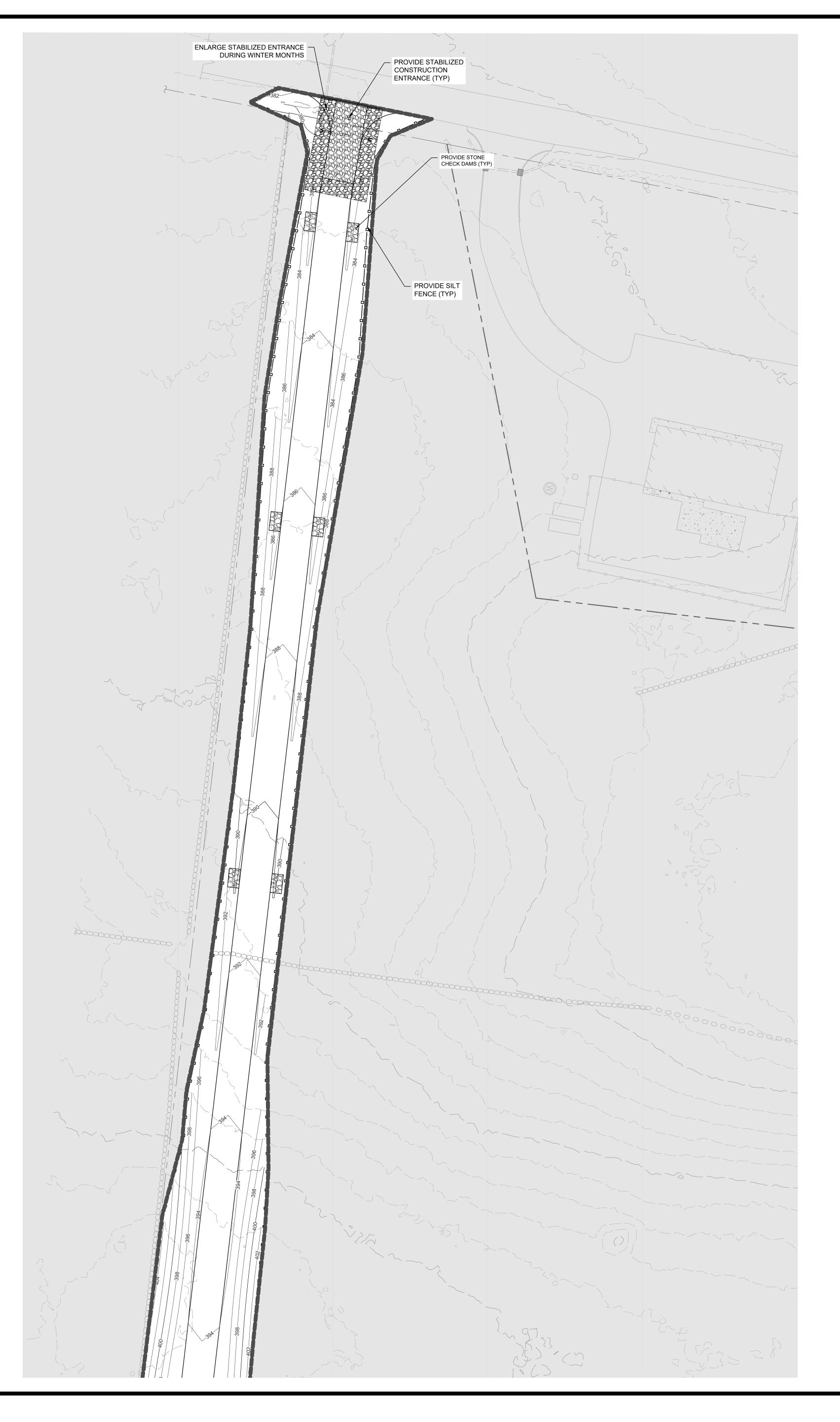


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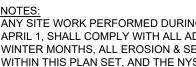


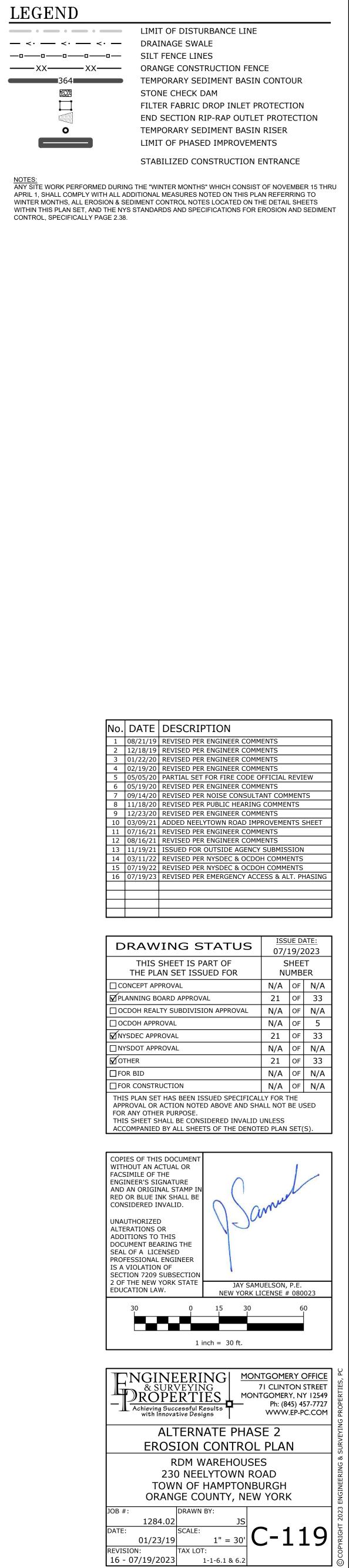


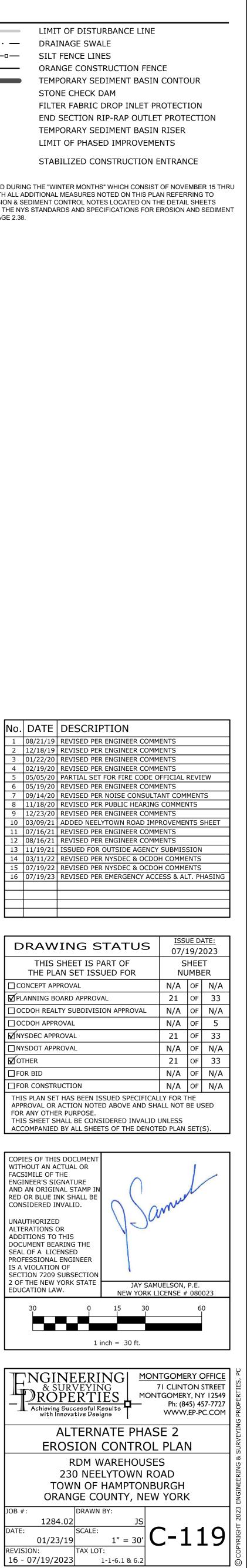
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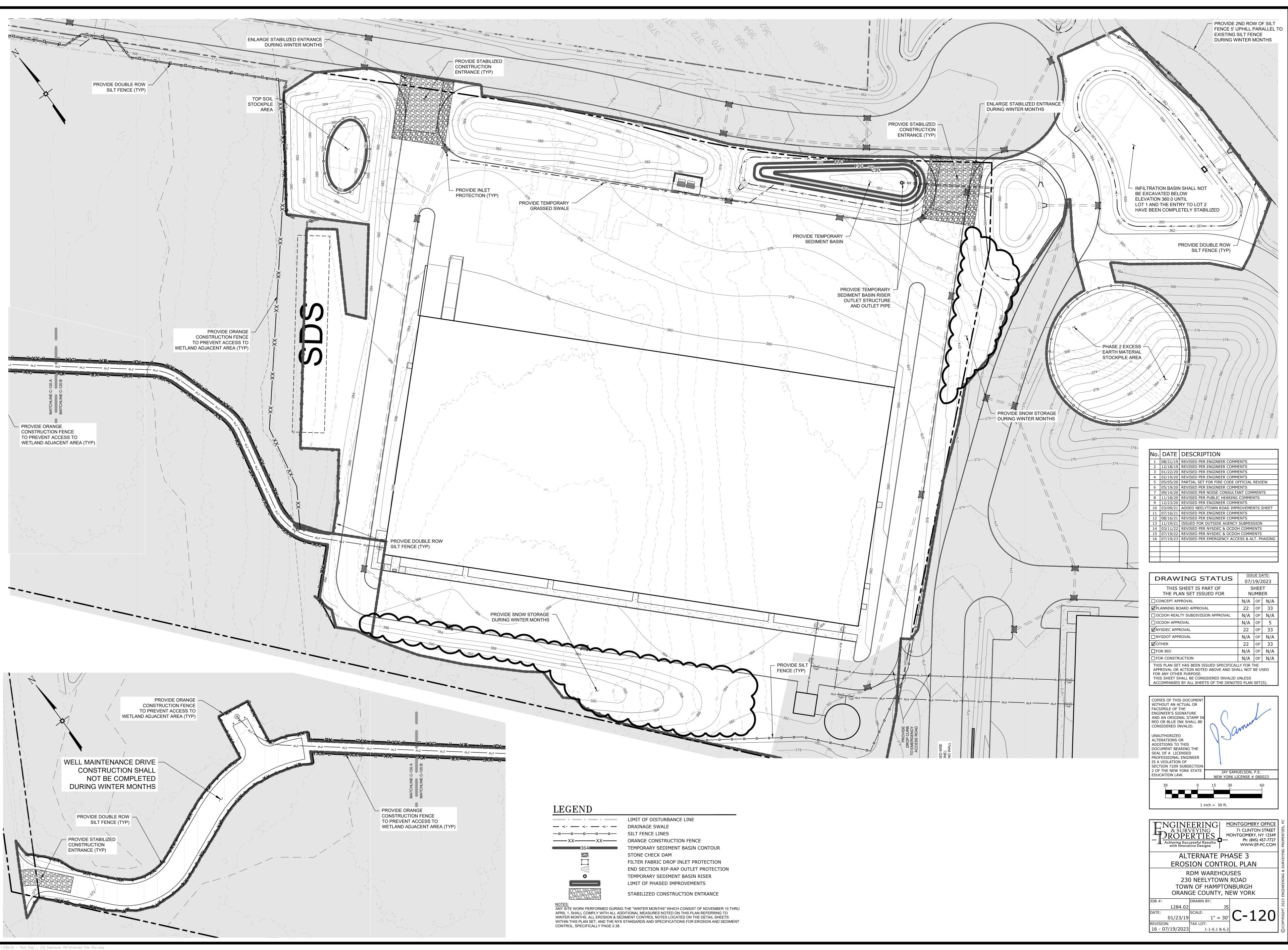


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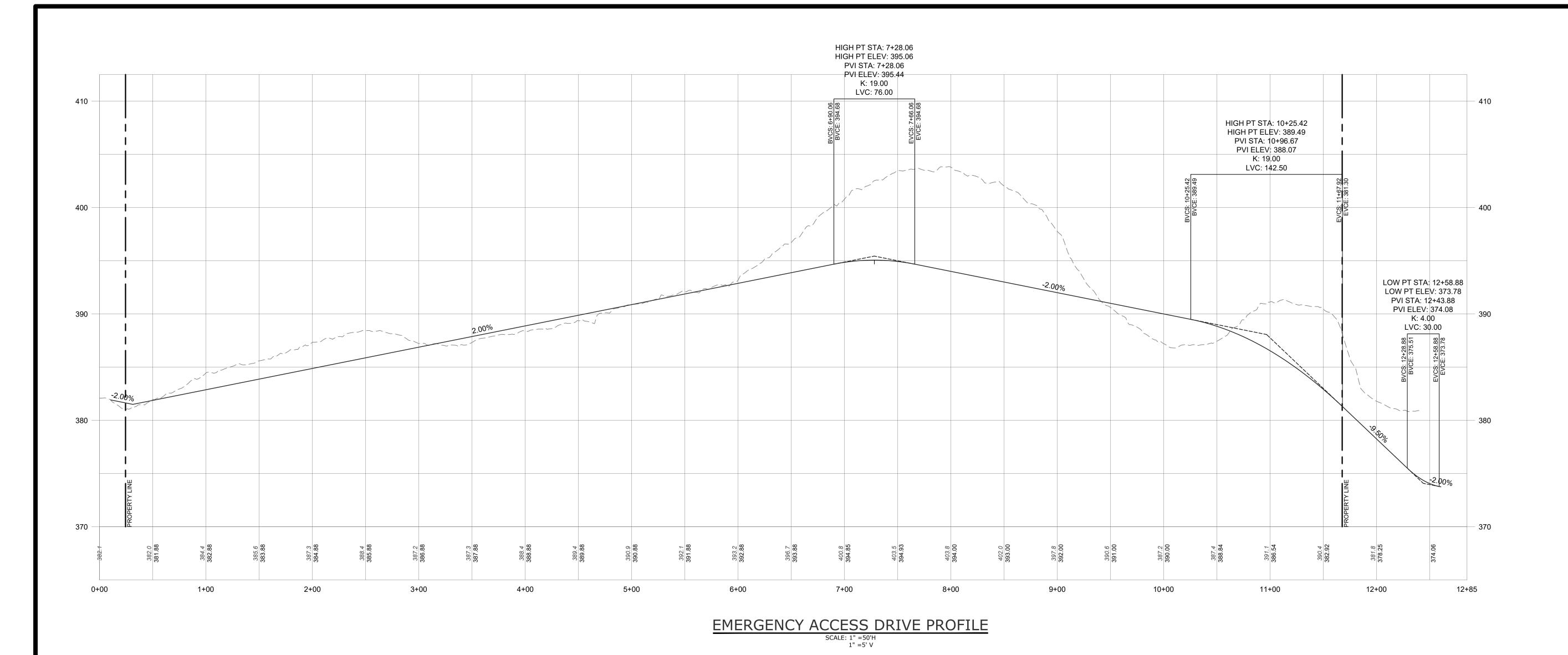


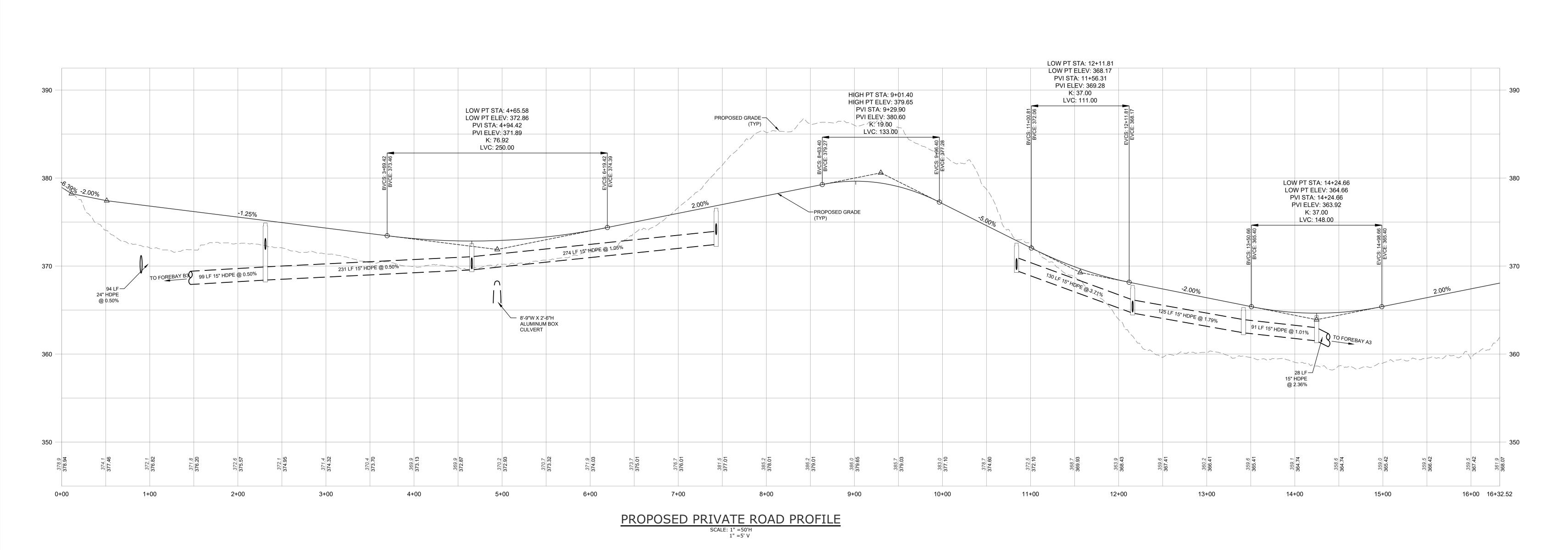


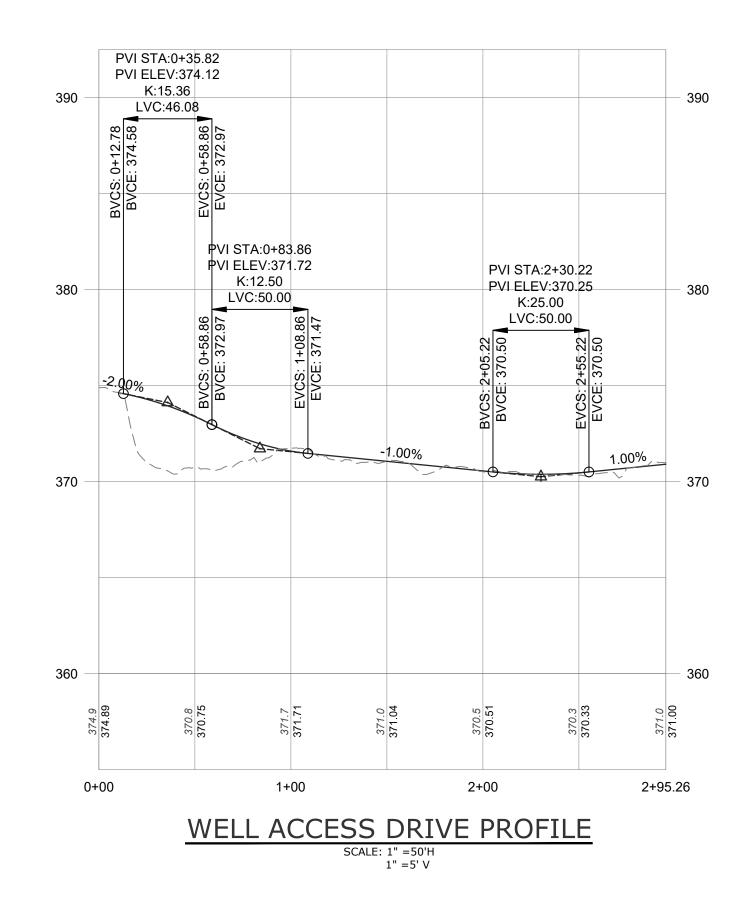


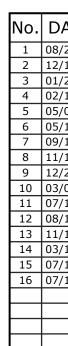


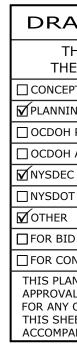
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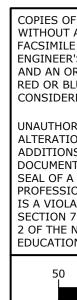




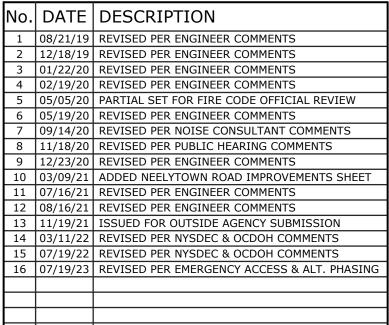






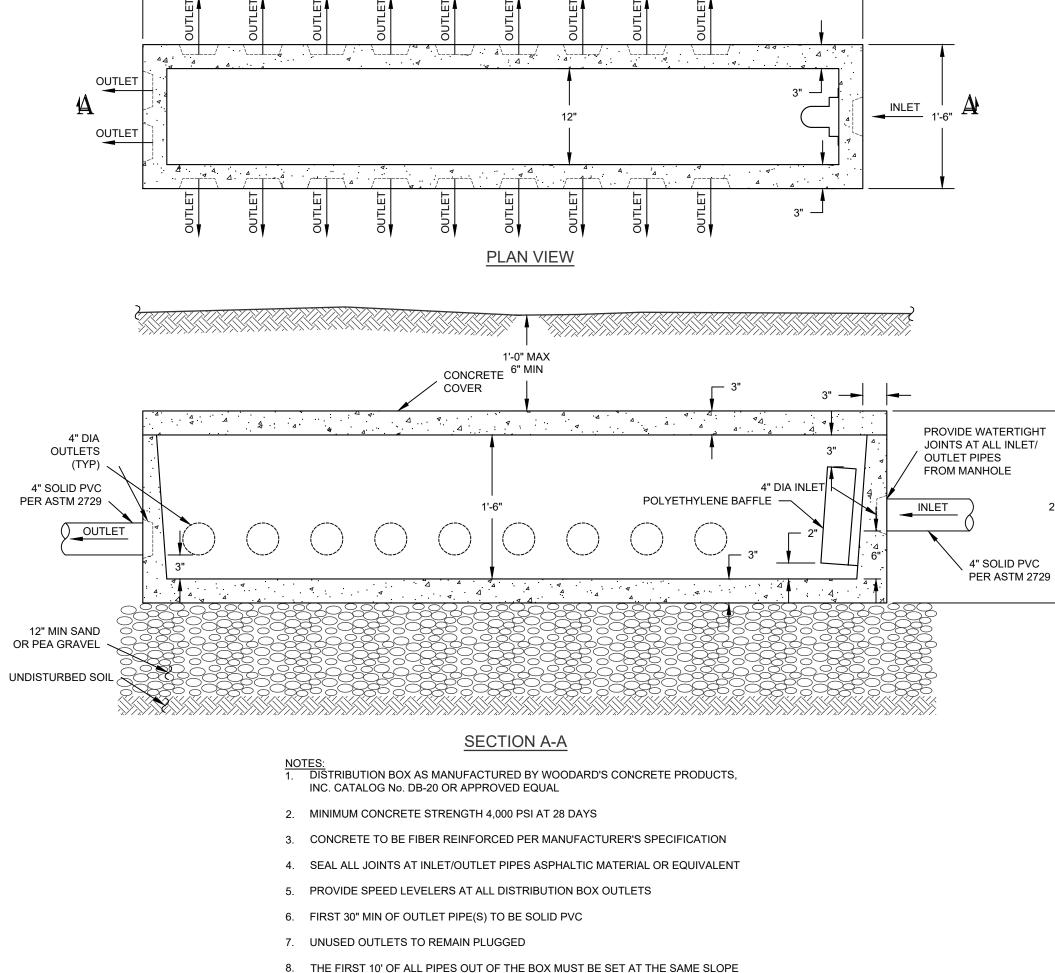


10B # REVISION: 16 - 07/1



| AWING STATUS       ISSUE DATE:<br>07/19/2023         THIS SHEET IS PART OF<br>IE PLAN SET ISSUED FOR       SHEET<br>NUMBER         PT APPROVAL       N/A       OF       N/A         ING BOARD APPROVAL       23       OF       33         I REALTY SUBDIVISION APPROVAL       N/A       OF       N/A         I APPROVAL       N/A       OF       N/A         I APPROVAL       23       OF       33         I REALTY SUBDIVISION APPROVAL       N/A       OF       N/A         I APPROVAL       23       OF       33         ID       N/A       OF       N/A         I APPROVAL       N/A       OF       N/A         I O       SIGINA TIMP IN       N/A       OF         I C O THE       C O THE       SIGUATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                               |                              |                       |                              |
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| CHIS SHEET IS PART OF<br>IE PLAN SET ISSUED FOR       SHEET<br>NUMBER         PT APPROVAL       N/A       OF       N/A         ING BOARD APPROVAL       23       OF       33         ING BOARD APPROVAL       23       OF       33         ING BOARD APPROVAL       N/A       OF       N/A         ING BOARD APPROVAL       23       OF       33         ING PROVAL       23       OF       33         TAPPROVAL       N/A       OF       N/A         ING PROVAL       23       OF       33         TAPPROVAL       N/A       OF       N/A         States State                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AWING STATUS                                                                                                                                                                                                                                  |                              |                       |                              |
| PT APPROVAL N/A OF N/A<br>ING BOARD APPROVAL 23 OF 33<br>I REALTY SUBDIVISION APPROVAL N/A OF N/A<br>I APPROVAL N/A OF S<br>C APPROVAL 23 OF 33<br>D N/A OF N/A<br>A APPROVAL N/A OF N/A<br>C APPROVAL N/A OF N/A<br>DISTRUCTION NOTED ABOVE AND SHALL NOT BE USED<br>OTHER PURPOSE.<br>LET SHALL BE CONSIDERED INVALID UNLESS<br>PANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).<br>DF THIS DOCUMENT<br>T AN ACTUAL OR<br>LET SHALL BE CONSIDERED INVALID UNLESS<br>PANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).<br>DF THIS DOCUMENT<br>T AN ACTUAL OR<br>LEY SHALL BE CONSIDERED INVALID UNLESS<br>PANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).<br>DF THIS DOCUMENT<br>T BEARING THE<br>A LICENSED<br>DIONS OR<br>NS TO THIS<br>NEW YORK STATE<br>ON LAW. D<br>DRAVENER<br>LICENSED<br>INVALID.<br>DIAL ENGINEER<br>LATION OF<br>LAW. D<br>DESCRIPTIES<br>CONSECTION<br>1 inch = 50 ft.<br>MONTGOMERY OFFICE<br>71 CLINTON STREET<br>MONTGOMERY, NY 12549<br>Ph: (845) 457.7727<br>WWW.EP-PC.COM<br>PROFILES<br>RDM WAREHOUSES<br>230 NEELYTOWN ROAD<br>TOWN OF HAMPTONBURGH<br>ORANGE COUNTY, NEW YORK<br>DRAWN BY:<br>1284.02<br>SCALE: 1" = 50'H<br>C - 201<br>C - 201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                               | S                            | HEE                   | Т                            |
| ING BOARD APPROVAL<br>ING BOARD APPROVAL<br>1 REALTY SUBDIVISION APPROVAL<br>1 APPROVAL<br>A APPROVAL<br>1 APPROVAL<br>2 3 OF<br>C APPROVAL<br>2 3 OF<br>2 3 OF<br>3 3<br>D<br>N/A OF<br>N/A<br>2 3 OF<br>3 3<br>D<br>N/A OF<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>OF<br>N/A<br>OF<br>N/A<br>OF<br>OF<br>N/A<br>OF<br>OF<br>N/A<br>OF<br>OF<br>OF<br>OF<br>OF<br>OF<br>OF<br>O                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                               | N/A                          | OF                    | N/A                          |
| HAPPROVAL       N/A       OF       5         CAPPROVAL       23       OF       33         DTAPPROVAL       N/A       OF       N/A         STAPPROVAL       N/A       OF       N/A         OF       ACTON NOTED ABOVE AND SHALL NOT BE USED       N/A         CHET SHALL BE CONSIDERED INVALID UNLESS       SANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).         OF THIS DOCUMENT       ACTUAL OR       E       OF THE         SIGINAL STAPP IN       JAY SAMUELSON, P.E.       NUTENDING         NS TO THIS       JAY SAMUELSON, P.E.       NUTY SAMUELSON, P.E.         NEW YORK STATE       JAY SAMUELSON, P.E.       NUTY SAMUELSON, P.E.         NEW YORK STATE       JAY SAMUELSON, P.E.       NUTY SAMUELSON, P.E. <td>ING BOARD APPROVAL</td> <td></td> <td>OF</td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ING BOARD APPROVAL                                                                                                                                                                                                                            |                              | OF                    |                              |
| C APPROVAL  C APPROVAL  C APPROVAL  C APPROVAL  D A OF  A OF  A OF  A  C APPROVAL  N/A  C A OF  N/A  A  N SET HAS BEEN ISSUED SPECIFICALLY FOR THE A LICENSED  IDVALID  D  N/A  C A CTUAL OR  L OF  T HE  A LICENSED  IDVALID  D  N/A  C A CTUAL OR  L  C A OTHAR                                                                                                                                                                                                                                                                                                                                        | REALTY SUBDIVISION APPROVAL                                                                                                                                                                                                                   | N/A                          | OF                    | N/A                          |
| DT APPROVAL       N/A       OF       N/A         23       OF       33         10       N/A       OF       N/A         DNSTRUCTION       N/A       OF       N/A         DNSTRUCTION       N/A       OF       N/A         AN SET HAS BEEN ISSUED SPECIFICALLY FOR THE       AL OR ACTION NOTED ABOVE AND SHALL NOT BE USED       OF         AN SET HAS BEEN ISSUED SPECIFICALLY FOR THE       AL OR ACTION NOTED ABOVE AND SHALL NOT BE USED       OF         COTHER PURPOSE.       ELET SHALL BE CONSIDERED INVALID UNLESS       SANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).         DEF THIS DOCUMENT       A A CTUAL OR       E OF THE       SIGINAL STAMP IN         SUE INK SHALL BE       DATE AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | H APPROVAL                                                                                                                                                                                                                                    | N/A                          | OF                    | 5                            |
| 23     OF     33       33     OP     33       34     OP     N/A     OF       35     N/A     OF     N/A       36     N/A     OF     N/A       37     OP     N/A     OF     N/A       37     OP     N/A     OF     N/A       37     OP     N/A     OF     N/A       38     OP     A     OP     N/A       39     OP     A     OP     N/A       30     OP     A     OP     N/A       30     OP     A     OP     N/A       30     OP     A     OP     N/A       31     OP     A     OP     N/A       33     OP     OP     A     OP       31     OP     OP     A     OP       31     OP     OP     A     OP       31     OP     OP     A     OP       32     OP     OP     A     OP       33     OP     OP     A     OP       33     OP     OP     A     OP       33     OP     OP     A     OP       34     A     A     OP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C APPROVAL                                                                                                                                                                                                                                    | 23                           | OF                    | 33                           |
| ID       N/A       OF       N/A         DNSTRUCTION       N/A       OF       N/A         DNSTRUCTION       N/A       OF       N/A         AN SET HAS BEEN ISSUED SPECIFICALLY FOR THE<br>AL OR ACTION NOTED ABOVE AND SHALL NOT BE USED<br>(OTHER PURPOSE.       Image: Construct the construction of the denoted plan set(s).         PANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).       Image: Construct the construction of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | T APPROVAL                                                                                                                                                                                                                                    | N/A                          | OF                    | N/A                          |
| DNSTRUCTION N/A OF N/A<br>AN SET HAS BEEN ISSUED SPECIFICALLY FOR THE<br>AL OR ACTION NOTED ABOVE AND SHALL NOT BE USED<br>(OTHER PURPOSE.<br>LET SHALL BE CONSIDERED INVALID UNLESS<br>PANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).<br>OF THIS DOCUMENT<br>T AN ACTUAL OR<br>LE OF THE<br>R'S SIGNATURE<br>ORIGINAL STAMP IN<br>BUE INK SHALL BE<br>CRED INVALID.<br>DRIZED<br>INVALID.<br>DRIZED<br>INVALID.<br>DRIZED<br>INVAL DRIGINEER<br>A LICENSED<br>INVAL HOSINGER<br>ALICENSED<br>INVAL DOF<br>TONAL ENGINEER<br>A LICENSED<br>INVAL DOF<br>TONAL ENGINEER<br>A LICENSED<br>INVAL DOF<br>TONAL STATE<br>ON LAW.<br>DAY SAMUELSON, P.E.<br>NEW YORK STATE<br>ON LAW.<br>DAY SAMUELSON, P.E.<br>NEW YORK LICENSE # 080023<br>O 25 50 100<br>DIALENGINEER<br>A LICENSED<br>INVAL DOF<br>TONAL ENGINEER<br>A LICENSED<br>INVAL DOF<br>TONAL STATE<br>ON LAW.<br>DAY SAMUELSON, P.E.<br>NEW YORK STATE<br>DIAL WORK STATE<br>ON LAW.<br>DAY<br>SCALE TI SO'H<br>C-201<br>TAX LOT:<br>TAX LOT:<br>DAY<br>DAY SAMUELSON, P.E.<br>NEW YORK STATE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DIALENSE<br>DI |                                                                                                                                                                                                                                               | 23                           | OF                    | 33                           |
| AN SET HAS BEEN ISSUED SPECIFICALLY FOR THE<br>AL OR ACTION NOTED ABOVE AND SHALL NOT BE USED<br>(OTHER PURPOSE.<br>LET SHALL BE CONSIDERED INVALID UNLESS<br>PANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).<br>OF THIS DOCUMENT<br>T AN ACTUAL OR<br>LE OF THE<br>R'S SIGNATURE<br>ORIGINAL STAMP IN<br>BUE INK SHALL BE<br>RED INVALID.<br>DRIZED<br>IONAL ENGINEER<br>A LICENSED<br>IONAL ENGINEER<br>A LICENSED<br>IONAL ENGINEER<br>A LICENSED<br>IONAL KIGNIER<br>A LICENSED<br>IONAL KIGNIER<br>A LICENSED<br>IONAL KIGNIER<br>A LICENSED<br>IONAL KOR<br>NEW YORK STATE<br>ON LAW.<br>O 25 50 100<br>O 25                                      | D                                                                                                                                                                                                                                             | N/A                          | OF                    | N/A                          |
| AL OR ACTION NOTED ABOVE AND SHALL NOT BE USED<br>(OTHER PURPOSE.<br>TET SHALL BE CONSIDERED INVALID UNLESS<br>PANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DNSTRUCTION                                                                                                                                                                                                                                   | N/A                          | OF                    | N/A                          |
| TAN ACTUAL OR<br>E OF THE<br>RYS SIGNATURE<br>ORIGINAL STAMP IN<br>BULE INK SHALL BE<br>RED INVALID.<br>DRIZED<br>IONS OR<br>NS TO THIS<br>NT BEARING THE<br>A LICENSED<br>IONAL ENGINEER<br>LATION OF<br>7209 SUBSECTION<br>NEW YORK STATE<br>ON LAW.<br>DAY SAMUELSON, P.E.<br>NEW YORK LICENSE # 080023<br>0 25 50 100<br>1 inch = 50 ft.<br>MONTGOMERY OFFICE<br>71 CLINTON STREET<br>MONTGOMERY, NY 12549<br>Ph: (845) 457-7727<br>WWW.EP-PC.COM<br>PROFILES<br>RDM WAREHOUSES<br>230 NEELYTOWN ROAD<br>TOWN OF HAMPTONBURGH<br>ORANGE COUNTY, NEW YORK<br>1284.02<br>SCALE: 1" =50'H<br>01/23/19<br>TAX LOT:<br>C-201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OTHER PURPOSE.                                                                                                                                                                                                                                | JNLESS                       |                       | -                            |
| 0       25       50       100         1       inch = 50 ft.         MONTGOMERY OFFICE<br>71 CLINTON STREET<br>MONTGOMERY, NY 12549<br>Ph: (845) 457-7727<br>WWW.EP-PC.COM         PROFILES         RDM WAREHOUSES<br>230 NEELYTOWN ROAD<br>TOWN OF HAMPTONBURGH<br>ORANGE COUNTY, NEW YORK         DRAWN BY:<br>1284.02         JS<br>01/23/19         SCALE: 1" = 50'H<br>1" = 5' V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | T AN ACTUAL OR<br>LE OF THE<br>R'S SIGNATURE<br>DRIGINAL STAMP IN<br>BLUE INK SHALL BE<br>RED INVALID.<br>DRIZED<br>IONS OR<br>NS TO THIS<br>NT BEARING THE<br>A LICENSED<br>IONAL ENGINEER<br>LATION OF<br>7209 SUBSECTION<br>NEW YORK STATE |                              |                       | 023                          |
| GINEERING<br>& SURVEYING<br>ROPERTIES       MONTGOMERY OFFICE<br>71 CLINTON STREET<br>MONTGOMERY, NY 12549<br>Ph: (845) 457-7727<br>WWW.EP-PC.COM         PROFILES         RDM WAREHOUSES<br>230 NEELYTOWN ROAD<br>TOWN OF HAMPTONBURGH<br>ORANGE COUNTY, NEW YORK         1284.02       JS<br>SCALE: 1" = 50'H<br>1"=5' V         SCALE: 1" = 50'H<br>1"=5' V         C-201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                               |                              |                       |                              |
| GINEERING<br>& SURVEYING<br>ROPERTIES       MONTGOMERY OFFICE<br>71 CLINTON STREET<br>MONTGOMERY, NY 12549<br>Ph: (845) 457-7727<br>WWW.EP-PC.COM         PROFILES         RDM WAREHOUSES<br>230 NEELYTOWN ROAD<br>TOWN OF HAMPTONBURGH<br>ORANGE COUNTY, NEW YORK         1284.02       JS<br>SCALE: 1" = 50'H<br>1"=5' V         SCALE: 1" = 50'H<br>1"=5' V         C-201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                               |                              |                       |                              |
| & SURVEYING<br>ROPERTIES       71 CLINTON STREET<br>MONTGOMERY, NY 12549         chieving Successful Results<br>with Innovative Designs       Ph: (845) 457-7727         PROFILES       PROFILES         RDM WAREHOUSES<br>230 NEELYTOWN ROAD<br>TOWN OF HAMPTONBURGH<br>ORANGE COUNTY, NEW YORK         1284.02       JS<br>SCALE: 1" = 50'H<br>1"=5' V         SCALE: 1" = 50'H<br>1"=5' V       C-201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 inch = 50 ft.                                                                                                                                                                                                                               |                              |                       |                              |
| RDM WAREHOUSES<br>230 NEELYTOWN ROAD<br>TOWN OF HAMPTONBURGH<br>ORANGE COUNTY, NEW YORK<br>1284.02 JS<br>01/23/19 SCALE: 1" = 50'H<br>1"=5' V<br>: TAX LOT:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | & SURVEYING<br>ROPERTIES                                                                                                                                                                                                                      | 71 CLINT<br>GOMER<br>Ph: (84 | ON 3<br>Y, N<br>45) 4 | STREET<br>Y 12549<br>57-7727 |
| 230 NEELYTOWN ROAD<br>TOWN OF HAMPTONBURGH<br>ORANGE COUNTY, NEW YORK<br>1284.02 JS<br>01/23/19 SCALE: 1" = 50'H<br>1"=5' V<br>: TAX LOT: C-201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PROFILES                                                                                                                                                                                                                                      |                              |                       |                              |
| 1284.02 JS<br>SCALE: 1" = 50'H<br>1"=5' V<br>: TAX LOT: C-201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 230 NEELYTOWN RO<br>TOWN OF HAMPTONBU                                                                                                                                                                                                         | AD<br>JRGH                   | <                     |                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1284.02     JS       SCALE:     1" = 50'H       01/23/19     1"=5' V       :     TAX LOT:                                                                                                                                                     | 2-2                          | 2(                    | 01                           |

| LOT #          | PERC<br>HOLE # | PERC<br>HOLE<br>DEPTH | PERC<br>HOLE<br>DIA | TIME        |              | OLATION TEST<br>1" DROP IN WA |         |         |         | STABLIZED<br>RATE |
|----------------|----------------|-----------------------|---------------------|-------------|--------------|-------------------------------|---------|---------|---------|-------------------|
| 1 12/27/18 24" |                | FINISH                | STOF                | PWATCH USED | FOR          |                               |         |         |         |                   |
|                |                | 24"                   | 12"                 | START       | TIMI         | NG OF TEST R                  | UNS     |         |         | 2 MIN             |
|                |                |                       |                     | TIME        | 0:00:56      | 0:01:01                       | 0:01:02 |         |         |                   |
|                |                | 24"                   |                     | FINISH      | STOF         | PWATCH USED                   | FOR     |         |         |                   |
| 1              | 12/27/18<br>2  |                       | 12"                 | START       | TIMI         | NG OF TEST R                  | UNS     |         |         | 3 MIN             |
|                | 2              |                       |                     | TIME        | 0:01:58      | 0:02:32                       | 0:02:25 | 0:02:26 |         |                   |
|                |                |                       |                     | FINISH      | STOP         | PWATCH USED                   | FOR     |         |         |                   |
| 1              | 12/27/18<br>3  | 24" 1                 | 12"                 | START       |              | NG OF TEST R                  |         |         |         | 10 MIN            |
|                | 5              |                       |                     | TIME        | 0:05:44      | 0:09:18                       | 0:09:20 |         |         |                   |
|                |                |                       |                     | FINISH      | STOF         | PWATCH USED                   | FOR     |         |         |                   |
| 1              | 12/27/18<br>4  | 24"                   | 12"                 | START       |              | NG OF TEST R                  |         |         |         | 3 MIN             |
|                | 4              |                       |                     | TIME        | 0:01:36      | 0:01:55                       | 0:02:04 |         |         |                   |
|                |                |                       |                     | FINISH      | STOF         | PWATCH USED                   | FOR     |         |         |                   |
| 2              | 01/15/19       | 24"                   | ." 12"              | START       |              | NG OF TEST R                  |         |         |         | 9 MIN             |
|                |                |                       |                     | TIME        | 0:06:47      | 0:07:29                       | 0:08:12 |         |         |                   |
|                |                |                       |                     | FINISH      | STO          | TOPWATCH USED FOR             |         |         |         |                   |
| 2 01/15/19 2   | 24"            | 12"                   | START               |             | NG OF TEST R |                               |         |         | 3 MIN   |                   |
|                | 2              |                       |                     | TIME        | 0:02:08      | 0:02:45                       | 0:02:52 |         |         |                   |
|                | 01/15/19<br>3  | 24"                   | 24" 12"             | FINISH      | STO          | PWATCH USED                   | FOR     |         |         |                   |
| 2              |                |                       |                     | START       |              | NG OF TEST R                  |         |         |         | 12 MIN            |
|                | 5              |                       |                     | TIME        | 0:09:41      | 0:10:30                       | 0:11:01 |         |         |                   |
|                |                |                       |                     | FINISH      | STOF         | PWATCH USED                   | FOR     |         |         |                   |
| 2              | 01/15/19       | 24"                   | 12"                 | START       |              | NG OF TEST R                  |         |         |         | 4 MIN             |
| <b>-</b> 4     | +              |                       |                     | TIME        | 0:01:16      | 0:02:27                       | 0:02:57 | 0:03:31 | 0:03:36 |                   |



9. THE OUTLETS SHALL BE USED AS SHOWN ON THE PLANS AS TO BE IN A MANNER THAT IF EXPANSION IS REQUIRED, THE EXISTING LATERALS WILL NOT BE

10. ALL INVERTS OF THE OUTLETS MUST BE IDENTICAL.

DISTURBED.

## 20 HOLE DISTRIBUTION BOX

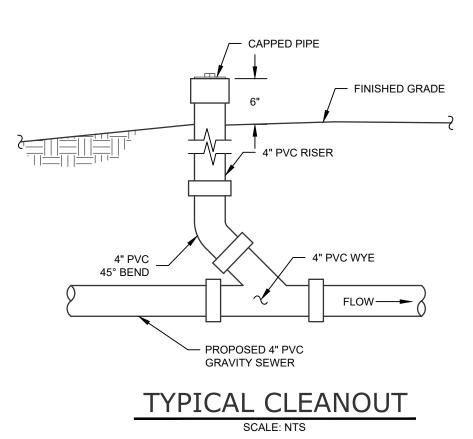
SCALE: 1"=1'-0"

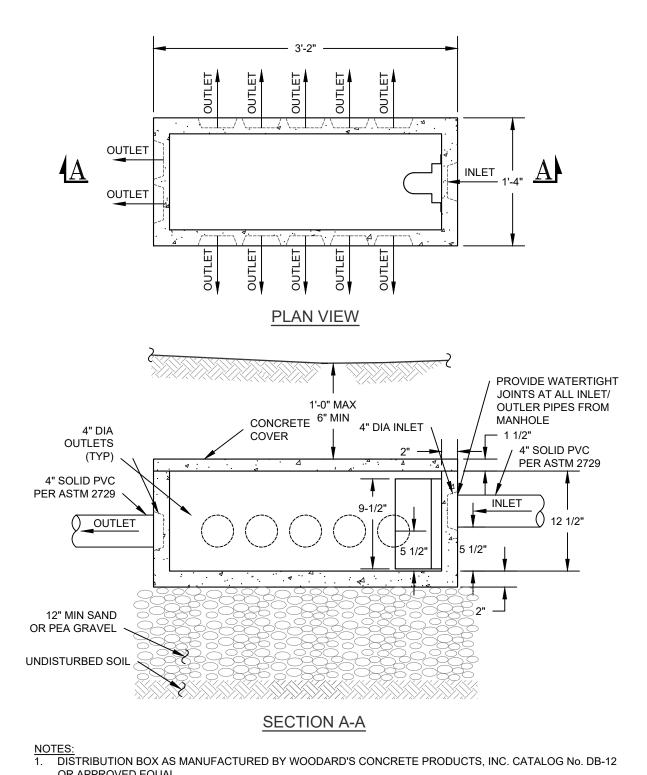
## DEEP TEST HOLE RESULTS

|          | DATE                                                                             | DEPTH                                                                                                                                                                                                                                                                                                               | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TP<br>01 | 01/10/19                                                                         | 0" - 4"<br>4" - 36"<br>36" - 60"<br>60" - 96"                                                                                                                                                                                                                                                                       | TOPSOIL<br>TAN SILTY SANDY GRAVELLY LOAM<br>BROWN GRAVELLY LOAM<br>TAN SILTY SANDY CLAY LOAM<br>GROUNDWATER @ 68", NO MOTTLING, NO ROCK                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| TP<br>02 | 01/10/19                                                                         | 0" - 10"<br>10" - 44"<br>44" - 68"<br>68" - 96"                                                                                                                                                                                                                                                                     | TOPSOIL<br>TAN SILTY SANDY LOAM<br>BROWN GRAVELLY SILTY LOAM W/ COBBLES<br>TAN SILTY GRAVELLY CLAY LOAM<br>GROUNDWATER@ 68", NO MOTTLING, NO ROCK                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TP<br>03 | 01/10/19                                                                         | 0" - 4"<br>4" - 20"<br>20" - 56"<br>56" - 96"                                                                                                                                                                                                                                                                       | TOPSOIL<br>TAN SILTY LOAM<br>BROWN SILTY SANDY CLAY LOAM W/ COBBLES<br>BROWN SILTY GRAVELLY CLAY LOAM<br>GROUNDWATER @ 78" NO MOTTLING, NO ROCK                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| TP<br>04 | 01/10/19                                                                         | 0" - 6"<br>6" - 22"<br>22" - 84"<br>84" - 96"                                                                                                                                                                                                                                                                       | TOPSOIL<br>TAN SILTY LOAM<br>BROWN SILTY SANDY GRAVELLY CLAY LOAM<br>BROWN SILTY SANDY GRAVELLY LOAM W/ COBBLES<br>GROUNDWATER @ 72", NO MOTTLING, NO ROCK                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TP<br>05 | 01/10/19                                                                         | 0" - 10"<br>10" - 21"<br>21" - 48"<br>48" - 96"                                                                                                                                                                                                                                                                     | TOPSOIL<br>TAN SIL<br>BLACK SANDY GRAVEL<br>BROWN SILTY SANDY GRAVELLY LOAM W/ COBBLES<br>GROUNDWATER @ 70", NO ROCK, NO MOTTLING                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TP<br>06 | 01/10/19                                                                         | 0" - 8"<br>8" - 30"<br>30" - 48"<br>48" - 108"                                                                                                                                                                                                                                                                      | TOPSOIL<br>TAN SILTY LOAM<br>BROWN SILTY SANDY GRAVELLY LOAM<br>TAN SILTY CLAY SANDY LOAM<br>GROUNDWATER @ 84", MOTTLING @ 64", NO ROCK                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| TP<br>07 | 01/10/19                                                                         | 0" - 12"<br>12" - 44"<br>44" - 60"<br>60" - 96"                                                                                                                                                                                                                                                                     | TOPSOIL<br>TAN SILTY LOAM<br>BLACK SANDY GRAVEL W/ COBBLES<br>GROUNDWATER @ 84", NO MOTTLING, NO ROCK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| TP<br>08 | 01/10/19                                                                         | 0" - 12"<br>12" - 36"<br>36" - 68"<br>68" - 96"                                                                                                                                                                                                                                                                     | TOPSOIL<br>TAN SILTY LOAM<br>BROWN SILTY SANDY LOAM<br>TAN GRAVELLY LOAM W/ COBBLES<br>GROUNDWATER @ 72", NO MOTTLING, NO ROCK                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|          | 01<br>TP<br>02<br>TP<br>03<br>TP<br>04<br>TP<br>05<br>TP<br>06<br>TP<br>07<br>TP | HOLE #         DATE           TP<br>01         01/10/19           TP<br>02         01/10/19           TP<br>03         01/10/19           TP<br>04         01/10/19           TP<br>05         01/10/19           TP<br>06         01/10/19           TP<br>07         01/10/19           TP<br>07         01/10/19 | HOLE #         DATE         DEPTH           TP $01/10/19$ $0" - 4"$ $4" - 36"$ 01 $01/10/19$ $36" - 60"$ $60" - 96"$ TP $01/10/19$ $0" - 10"$ $10" - 44"$ 44" - 68" $68" - 96"$ $0" - 4"$ TP $01/10/19$ $0" - 4"$ TP $01/10/19$ $0" - 4"$ TP $01/10/19$ $0" - 6"$ TP $01/10/19$ $0" - 10"$ TP $01/10/19$ $0" - 6"$ TP $01/10/19$ $0" - 6"$ TP $01/10/19$ $0" - 6"$ TP $01/10/19$ $0" - 8"$ Main - 108" $48" - 96"$ TP $01/10/19$ $0" - 12"$ |

# SEPTIC SYSTEM DESIGN SCHEDULE

| LOT # | STABILIZE<br>PERC RATE<br>(min) | FLOW<br>RATE<br>(GPD) | APPLICATION<br>RATE<br>(GPD/Sq. ft.) | REQUIRED<br>AREA<br>(Sq. ft.) | REQUIRED ABSORPTION<br>FIELD LENGTH<br>(ft) (BASED UPON 2'<br>WIDE TRENCH) | PROPOSED ABSORPTION<br>FIELD LENGTH<br>(ft) |
|-------|---------------------------------|-----------------------|--------------------------------------|-------------------------------|----------------------------------------------------------------------------|---------------------------------------------|
| 1     | 10                              | 900                   | 0.90                                 | 1000                          | 500                                                                        | 6 LATERALS @ 85' = 510'                     |
| 2     | 12                              | 2175                  | 0.80                                 | 2719                          | 1360                                                                       | 14 LATERALS @ 100' = 1,400'                 |



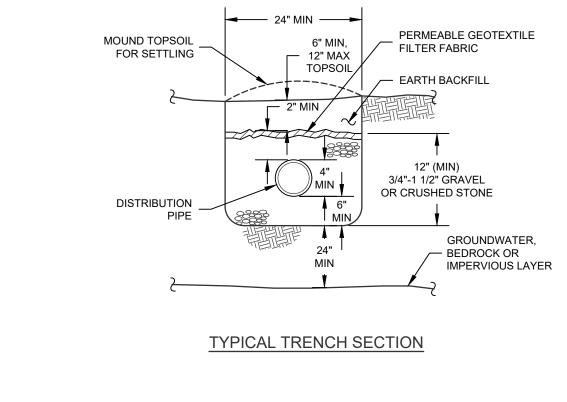


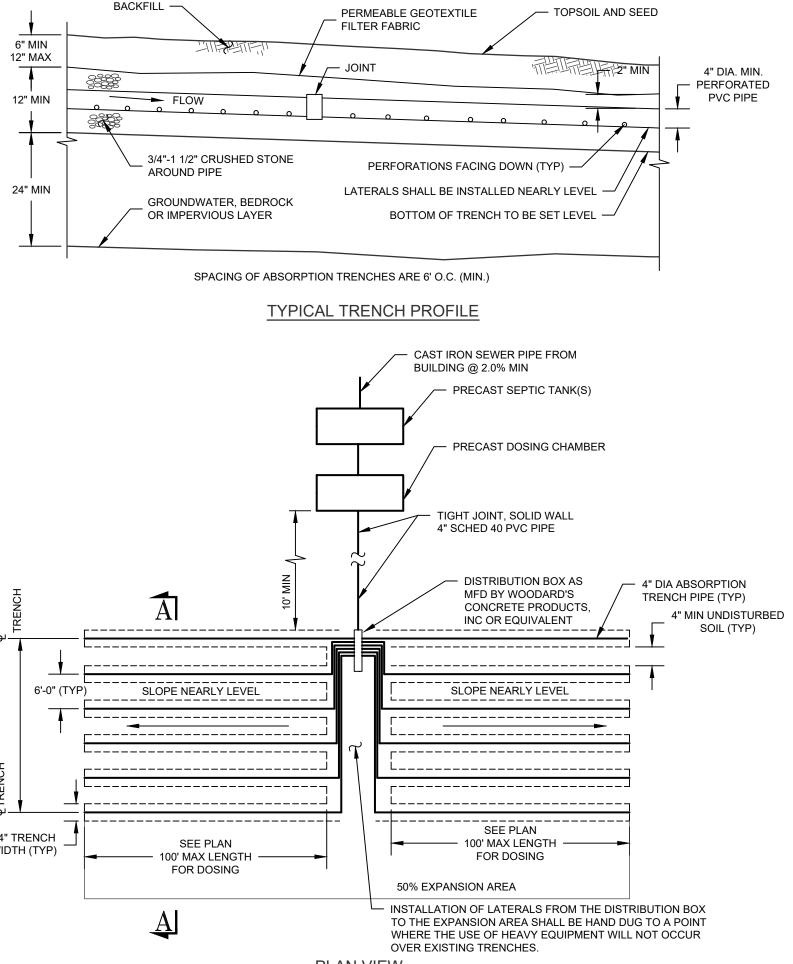
OR APPROVED EQUAL

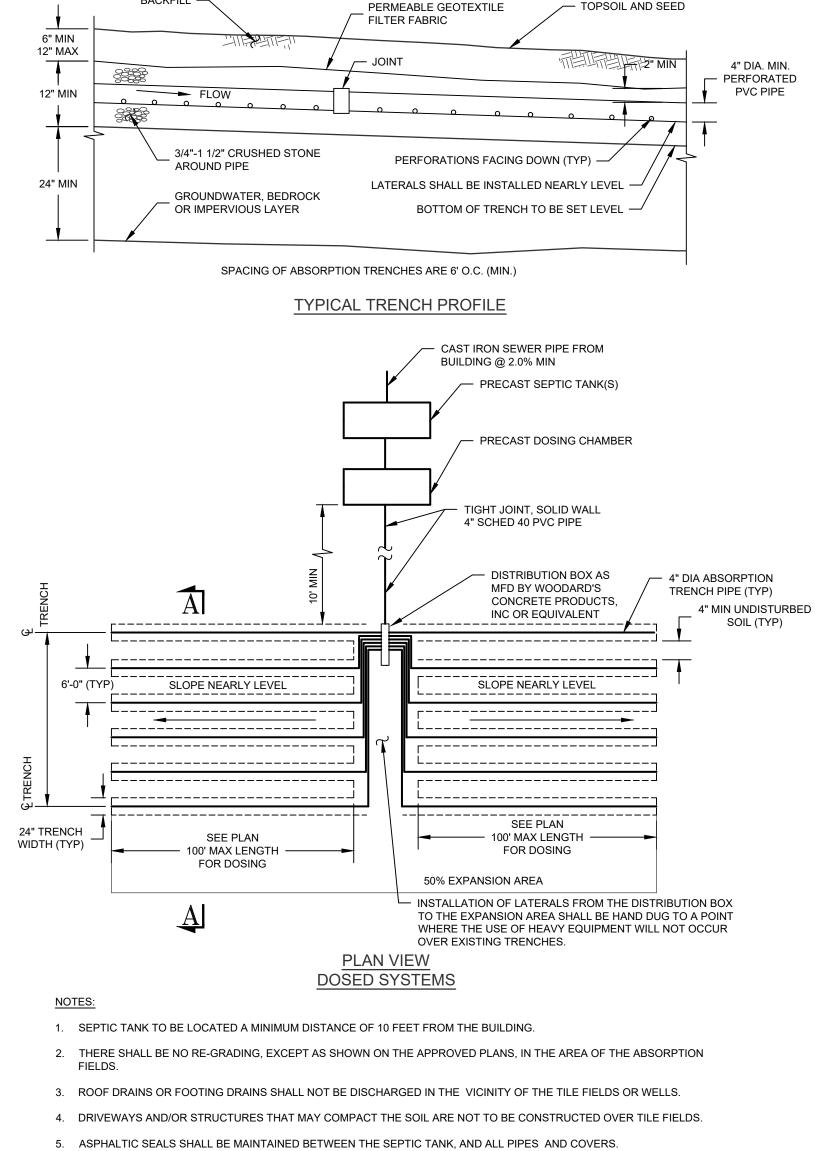
- 2. MINIMUM CONCRETE STRENGTH 4,000 PSI AT 28 DAYS 3. CONCRETE TO BE FIBER REINFORCED PER MANUFACTURER'S SPECIFICATION
- 4. SEAL ALL JOINTS AT INLET/OUTLET PIPES ASPHALTIC MATERIAL OR EQUIVALENT
- 5. PROVIDE SPEED LEVELERS AT ALL DISTRIBUTION BOX OUTLETS
- 6. FIRST 30" MIN OF OUTLET PIPE(S) TO BE SOLID PVC
- 7. UNUSED OUTLETS TO REMAIN PLUGGED
- 8. DISTRIBUTION BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND

OPERATING PROPERLY.

12 HOLE DISTRIBUTION BOX SCALE: NTS







- 6. NO TRENCHES TO BE INSTALLED IN WET SOIL.
- 7. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL IN ABSORPTION TRENCH.
- 8. GROUT ALL PIPE PENETRATIONS INTO AND OUT OF ANY DISTRIBUTION OR DROP BOX.
- DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
- 10. ABSORPTION TRENCH PIPE TO BE CAPPED AT END.
- 11. SEPTIC TANK JOINTS MUST BE SEALED AND TESTED FOR WATERTIGHTNESS.
- MATERIAL.
- TO THE BUILDING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
- CONSTRUCTION SO TO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE OF ABSORPTION CAPACITY OF THE SOIL ON SHICH THE DESIGN WAS BASED.
- NYSDEC AND ORANGE COUNTY DEPARTMENT OF HEALTH.



| DISTANCES FR            | OM WASTEW                                           | ATER SYSTE                                                                                           | EM COMPON                                                                                                               | ENTS                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WELL OR SUCTION<br>LINE | STREAM, LAKE,<br>WATERCOURSE (b),<br>OR DEC WETLAND | DWELLING                                                                                             | PROPERTY LINE                                                                                                           | DRAINAGE DITCH                                                                                                                                                                                                                                                                                                                                                      |
| 50'                     | 25'                                                 | 3'                                                                                                   | 10'                                                                                                                     | 10'                                                                                                                                                                                                                                                                                                                                                                 |
| 50'                     | 50'                                                 | 10'                                                                                                  | 10'                                                                                                                     | 10'                                                                                                                                                                                                                                                                                                                                                                 |
| 50'                     | 50'                                                 | 10'                                                                                                  | 10'                                                                                                                     | 10'                                                                                                                                                                                                                                                                                                                                                                 |
| 100'                    | 100'                                                | 20'                                                                                                  | 10'                                                                                                                     | 20'                                                                                                                                                                                                                                                                                                                                                                 |
| 100'                    | 100'                                                | 20'                                                                                                  | 10'                                                                                                                     | 50'                                                                                                                                                                                                                                                                                                                                                                 |
|                         | WELL OR SUCTION<br>50'<br>50'<br>50'<br>100'        | WELL OR SUCTION<br>LINESTREAM, LAKE,<br>WATERCOURSE (b),<br>OR DEC WETLAND50'25'50'50'50'50'100'100' | WELL OR SUCTION<br>LINESTREAM, LAKE,<br>WATERCOURSE (b),<br>OR DEC WETLANDDWELLING50'25'3'50'50'10'50'50'10'100'100'20' | WELL OR SUCTION<br>LINE         WATERCOURSE (b)<br>OR DEC WETLAND         DWELLING         PROPERTY LINE           50'         25'         3'         10'           50'         50'         10'         10'           50'         50'         10'         10'           50'         50'         10'         10'           100'         100'         20'         10' |

9. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE PUBLICATION "NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS, 2014", OF THE NEW YORK STATE

SCALE: N.T.S.

12. PROVIDE 30" OF SOLID PIPE PRIOR TO START OF PERFORATED ABSORPTION PIPE AND BE BACKFILLED WITH NATIVE

13. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER)

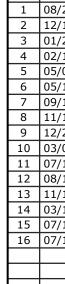
14. DROP BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY. 15. HEAVY EQUIPMENT SHLL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL

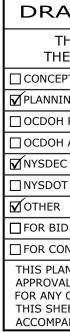
16. A POLICY OF CLEAN SCRAPING ANY SOLIDS FROM THE WASTE STREAM BEFORE DISCHARGE INTO THE DISPOSAL SYSTEM IS REQUIRED. USE OF GARBAGE GRINDERS WITHIN THE FACILITY SHALL REQUIRE THE REVIEW AND APPROVAL OF THE

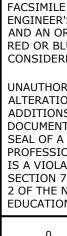
ABSORPTION TILE FIELD OVERALL PLAN

## SEPTIC DESIGN NOTES

- 1. THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER SYSTEMS) SHALL NOT BE CHANGED.
- 2. BEFORE ANY SITE DISTURBANCE, ORANGE CONSTRUCTION FENCE SHALL BE INSTALLED ON THE PERIMETER OF THE PROPOSED SEWAGE DISPOSAL FIELD AS SHOWN ON THIS PLAN. THIS AREA SHALL REMAIN FREE OF DISTURBANCE UNTIL SUCH TIME AS THE SEPTIC SYSTEM IS TO BE INSTALLED. STRIPPING OF TOPSOIL IN THIS AREA IS STRICTLY PROHIBITED
- 3. A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER (OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY THE NYS EDUCATION DEPARTMENT) SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY, ANY WATER TREATMENT, AND SEWAGE DISPOSAL FACILITIES) AT THE TIME OF CONSTRUCTION. PRIOR TO OCCUPANCY OF THE DWELLING, THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY DEPARTMENT OF HEALTH AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS. A COPY OF THE NYSDEC WELL COMPLETION REPORT MUST ALSO BE PROVIDED.





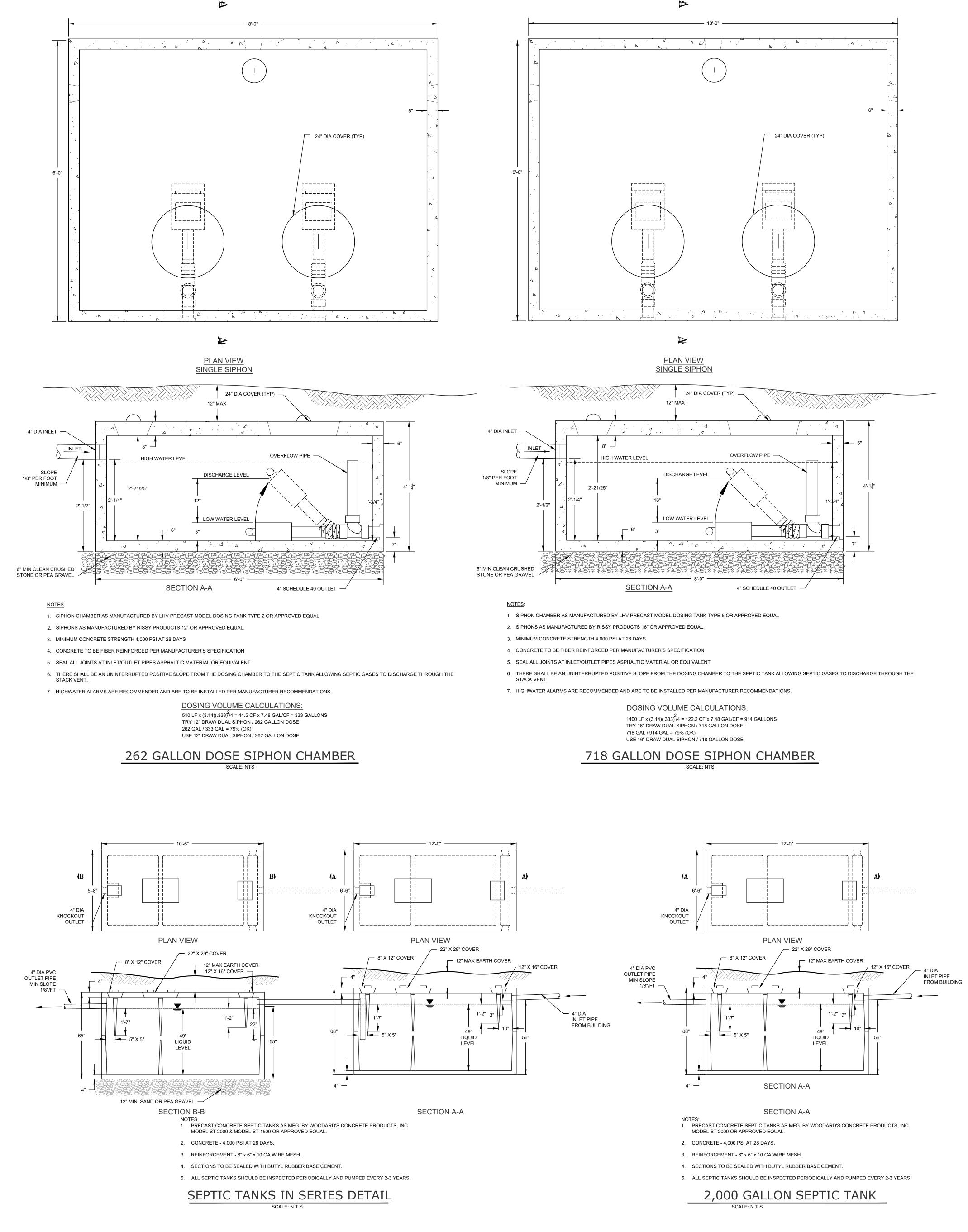


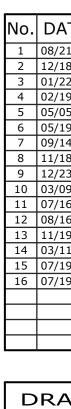


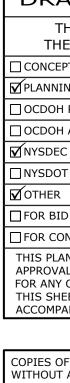
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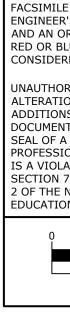
| DRAWING STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                          |        |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------|--------|--|--|
| THIS SHEET IS PART OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 07/19/2023<br>SHEET |                          |        |  |  |
| THE PLAN SET ISSUED FOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | JMBI                     |        |  |  |
| CONCEPT APPROVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                 | OF                       | N/A    |  |  |
| PLANNING BOARD APPROVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 24                  | OF                       | 33     |  |  |
| OCDOH REALTY SUBDIVISION APPROVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A                 | OF                       | N/A    |  |  |
| OCDOH APPROVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N/A                 | OF                       | 5      |  |  |
| MYSDEC APPROVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 24                  | OF                       | 33     |  |  |
| NYSDOT APPROVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A                 | OF                       | N/A    |  |  |
| Ø OTHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 24                  | OF                       | 33     |  |  |
| FOR BID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N/A                 | OF                       | N/A    |  |  |
| FOR CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                 | OF                       | N/A    |  |  |
| THIS PLAN SET HAS BEEN ISSUED SPECIFICAL<br>APPROVAL OR ACTION NOTED ABOVE AND SHA<br>FOR ANY OTHER PURPOSE.<br>THIS SHEET SHALL BE CONSIDERED INVALID U<br>ACCOMPANIED BY ALL SHEETS OF THE DENOTE                                                                                                                                                                                                                                                                                                                         | JNLESS              | BE US                    |        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                          |        |  |  |
| COPIES OF THIS DOCUMENT<br>WITHOUT AN ACTUAL OR<br>FACSIMILE OF THE<br>ENGINEER'S SIGNATURE<br>AND AN ORIGINAL STAMP IN<br>RED OR BLUE INK SHALL BE<br>CONSIDERED INVALID.                                                                                                                                                                                                                                                                                                                                                  | mu                  | l                        |        |  |  |
| UNAUTHORIZED<br>ALTERATIONS OR<br>ADDITIONS TO THIS<br>DOCUMENT BEARING THE<br>SEAL OF A LICENSED<br>PROFESSIONAL ENGINEER<br>IS A VIOLATION OF<br>SECTION 7209 SUBSECTION<br>2 OF THE NEW YORK STATE                                                                                                                                                                                                                                                                                                                       |                     | DE                       |        |  |  |
| EDUCATION LAW.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                          | 023    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                          |        |  |  |
| ORIGINAL SCALE IN INCHES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                          |        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                          |        |  |  |
| & SURVEYING 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     | ON 5<br>14, N1<br>45) 45 | STREET |  |  |
| DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                          |        |  |  |
| RDM WAREHOUSES<br>230 NEELYTOWN ROAD<br>TOWN OF HAMPTONBURGH<br>ORANGE COUNTY, NEW YORK                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                          |        |  |  |
| Achieving Successful Results with Innovative Designs       71 CLINTON STREET MONTGOMERY, NY 12549         Achieving Successful Results with Innovative Designs       Ph: (845) 457-7727         DETAILS       DETAILS         RDM WAREHOUSES       230 NEELYTOWN ROAD         TOWN OF HAMPTONBURGH       ORANGE COUNTY, NEW YORK         JOB #:       DRAWN BY:         1284.02       JS         DATE:       SCALE:         01/23/19       AS NOTED         REVISION:       TAX LOT:         16 - 07/19/2023       TAX LOT: |                     |                          |        |  |  |

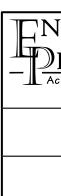












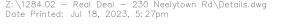
10B # REVISION: 16 - 07/

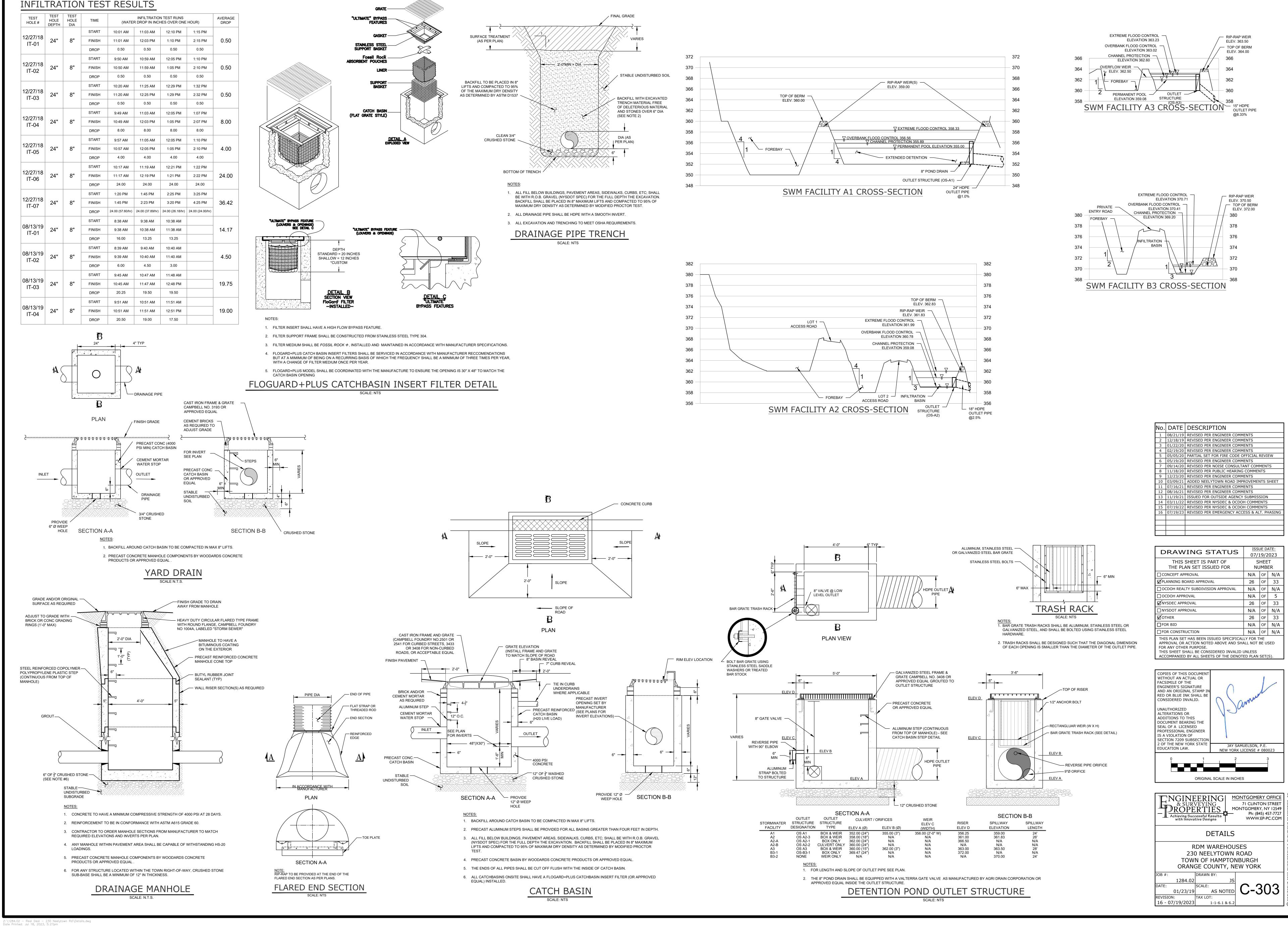
| AWING STATUS                                                                                                                                                                                                                                                                                                                                                                                          |                       | JE D/<br>19/2           | <u>ATE:</u><br>023 |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------|--------------------|--|--|
| THIS SHEET IS PART OF<br>HE PLAN SET ISSUED FOR                                                                                                                                                                                                                                                                                                                                                       | S                     | SHEET<br>NUMBER         |                    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                   |                         | N/A                |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       | 25                    | OF                      | 33                 |  |  |
| H REALTY SUBDIVISION APPROVAL                                                                                                                                                                                                                                                                                                                                                                         | N/A                   | OF                      | N/A                |  |  |
| H APPROVAL                                                                                                                                                                                                                                                                                                                                                                                            | N/A                   | OF                      | 5                  |  |  |
| EC APPROVAL                                                                                                                                                                                                                                                                                                                                                                                           | 25                    | OF                      | 33                 |  |  |
| DT APPROVAL                                                                                                                                                                                                                                                                                                                                                                                           | N/A                   | OF                      | N/A                |  |  |
| ξ                                                                                                                                                                                                                                                                                                                                                                                                     | 25                    | OF                      | 33                 |  |  |
| ID                                                                                                                                                                                                                                                                                                                                                                                                    | N/A                   | OF                      | N/A                |  |  |
| ONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                           | N/A                   | OF                      | /<br>N/A           |  |  |
| AN SET HAS BEEN ISSUED SPECIFICA<br>/AL OR ACTION NOTED ABOVE AND SH<br>Y OTHER PURPOSE.<br>HEET SHALL BE CONSIDERED INVALID<br>PANIED BY ALL SHEETS OF THE DENO                                                                                                                                                                                                                                      | IALL NOT              | BE US                   |                    |  |  |
| OF THIS DOCUMENT<br>T AN ACTUAL OR<br>LE OF THE<br>SR'S SIGNATURE<br>ORIGINAL STAMP IN<br>BLUE INK SHALL BE<br>ERED INVALID.<br>ORIZED<br>TONS OR<br>ONS TO THIS<br>INT BEARING THE<br>A LICENSED<br>SIONAL ENGINEER<br>LATION OF<br>I 7209 SUBSECTION<br>ENEW YORK STATE                                                                                                                             |                       |                         |                    |  |  |
| ION LAW. NEW YORK                                                                                                                                                                                                                                                                                                                                                                                     | 1UELSON,<br>_ICENSE # |                         | 023<br>3           |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                         |                    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                         |                    |  |  |
| ORIGINAL SCALE IN INCHE                                                                                                                                                                                                                                                                                                                                                                               | S                     |                         |                    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                         |                    |  |  |
| & SURVEYING                                                                                                                                                                                                                                                                                                                                                                                           |                       | ON 5<br>Y, N`<br>45) 45 | STREET             |  |  |
| DETAILS                                                                                                                                                                                                                                                                                                                                                                                               |                       |                         |                    |  |  |
| RDM WAREHOUSE<br>230 NEELYTOWN RO<br>TOWN OF HAMPTONE<br>ORANGE COUNTY, NEV                                                                                                                                                                                                                                                                                                                           | DAD<br>SURGH          | <                       |                    |  |  |
| MONTGOMERY OFFICE         % SURVEYING         & SURVEYING         Chieving Successful Results         with Innovative Designs         DETAILS         DETAILS         RDM WAREHOUSES         230 NEELYTOWN ROAD         TOWN OF HAMPTONBURGH         ORAWN BY:         1284.02       JS         SCALE:         01/23/19       AS NOTED         I:       TAX LOT:         /19/2023       1-1-6.1 & 6.2 |                       |                         |                    |  |  |
| 01/23/19 AS NOTED                                                                                                                                                                                                                                                                                                                                                                                     |                       | )(                      |                    |  |  |

| ATE    | DESCRIPTION                                 |
|--------|---------------------------------------------|
| 21/19  | REVISED PER ENGINEER COMMENTS               |
| '18/19 | REVISED PER ENGINEER COMMENTS               |
| 22/20  | REVISED PER ENGINEER COMMENTS               |
| ′19/20 | REVISED PER ENGINEER COMMENTS               |
| ′05/20 | PARTIAL SET FOR FIRE CODE OFFICIAL REVIEW   |
| 19/20  | REVISED PER ENGINEER COMMENTS               |
| '14/20 | REVISED PER NOISE CONSULTANT COMMENTS       |
| '18/20 | REVISED PER PUBLIC HEARING COMMENTS         |
| 23/20  | REVISED PER ENGINEER COMMENTS               |
| ′09/21 | ADDED NEELYTOWN ROAD IMPROVEMENTS SHEET     |
| '16/21 | REVISED PER ENGINEER COMMENTS               |
| '16/21 | REVISED PER ENGINEER COMMENTS               |
| '19/21 | ISSUED FOR OUTSIDE AGENCY SUBMISSION        |
| '11/22 | REVISED PER NYSDEC & OCDOH COMMENTS         |
| 19/22  | REVISED PER NYSDEC & OCDOH COMMENTS         |
| 19/23  | REVISED PER EMERGENCY ACCESS & ALT. PHASING |
|        |                                             |
|        |                                             |
|        |                                             |
|        |                                             |

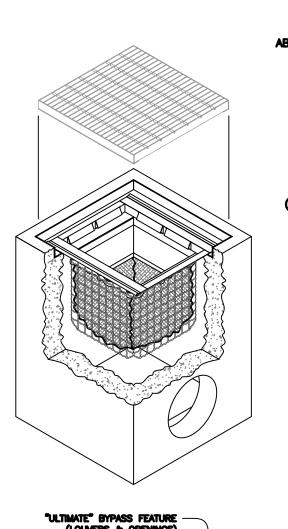
| ATE   | DESCRIPTION                                 |
|-------|---------------------------------------------|
| 21/19 | REVISED PER ENGINEER COMMENTS               |
| 18/19 | REVISED PER ENGINEER COMMENTS               |
| 22/20 | REVISED PER ENGINEER COMMENTS               |
| 19/20 | REVISED PER ENGINEER COMMENTS               |
| 05/20 | PARTIAL SET FOR FIRE CODE OFFICIAL REVIEW   |
| 19/20 | REVISED PER ENGINEER COMMENTS               |
| 14/20 | REVISED PER NOISE CONSULTANT COMMENTS       |
| 18/20 | REVISED PER PUBLIC HEARING COMMENTS         |
| 23/20 | REVISED PER ENGINEER COMMENTS               |
| 09/21 | ADDED NEELYTOWN ROAD IMPROVEMENTS SHEET     |
| 16/21 | REVISED PER ENGINEER COMMENTS               |
| 16/21 | REVISED PER ENGINEER COMMENTS               |
| 19/21 | ISSUED FOR OUTSIDE AGENCY SUBMISSION        |
| 11/22 | REVISED PER NYSDEC & OCDOH COMMENTS         |
| 19/22 | REVISED PER NYSDEC & OCDOH COMMENTS         |
| 10/22 | DEVICED DED EMERGENICY ACCESS & ALT DUACTNG |

 $<sup>\</sup>square$ 

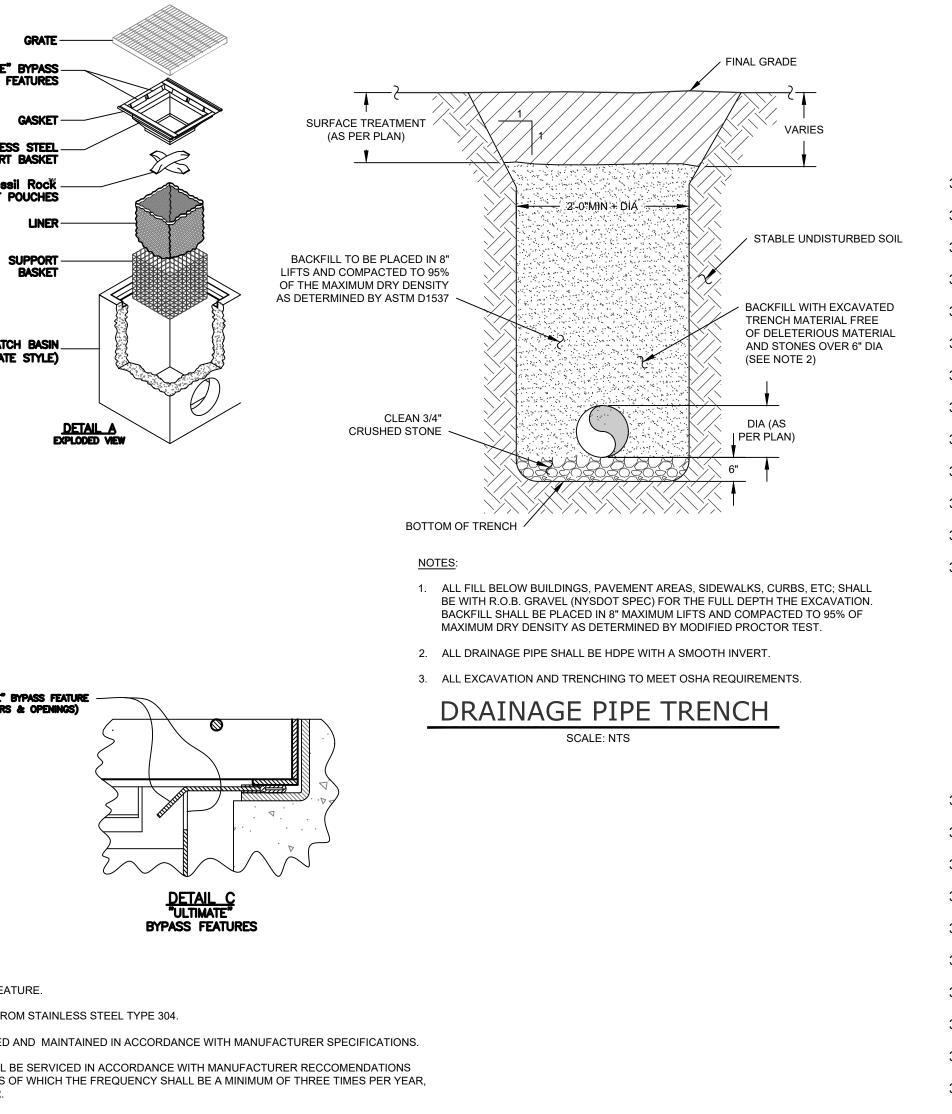


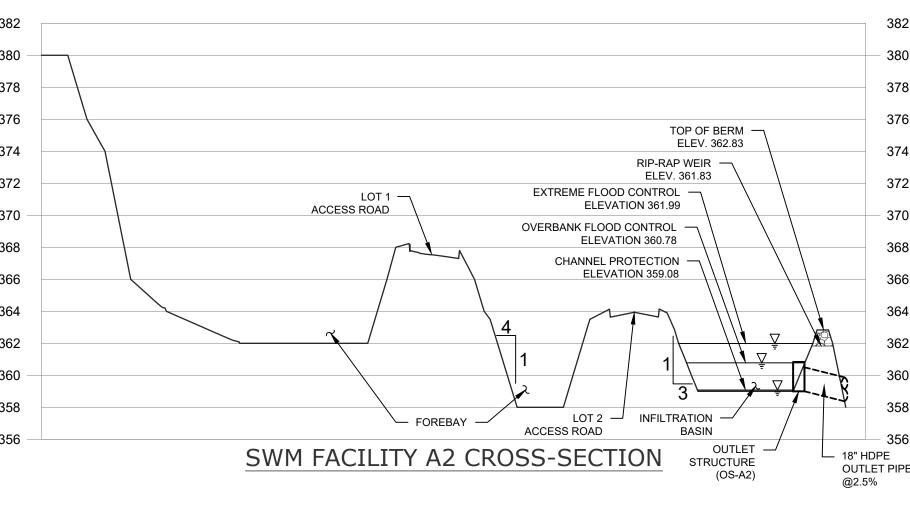


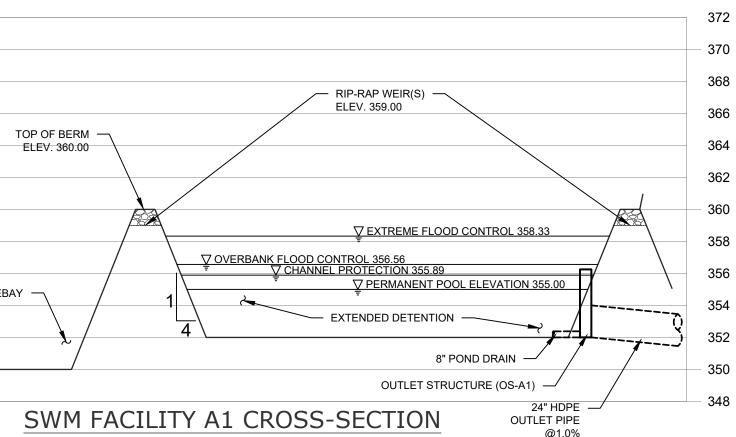
| TEST<br>HOLE #        | TEST<br>HOLE<br>DEPTH | TEST<br>HOLE<br>DIA | TIME   | INFILTRATION TEST RUNS<br>(WATER DROP IN INCHES OVER ONE HOUR) |                  |                  | AVERAGE<br>DROP  |         |         |       |
|-----------------------|-----------------------|---------------------|--------|----------------------------------------------------------------|------------------|------------------|------------------|---------|---------|-------|
|                       |                       |                     | START  | 10:01 AM                                                       | 11:03 AM         | 12:10 PM         | 1:15 PM          |         |         |       |
| 12/27/18<br>IT-01 24" | 24"                   | 8"                  | FINISH | 11:01 AM                                                       | 12:03 PM         | 1:10 PM          | 2:15 PM          | 0.50    |         |       |
|                       |                       | DROP                | 0.50   | 0.50                                                           | 0.50             | 0.50             |                  |         |         |       |
|                       |                       |                     | START  | 9:50 AM                                                        | 10:59 AM         | 12:05 PM         | 1:10 PM          |         |         |       |
| 12/27/18<br>IT-02     | 24"                   | 4" 8"               | FINISH | 10:50 AM                                                       | 11:59 AM         | 1:05 PM          | 2:10 PM          | 0.50    |         |       |
| 11-02                 |                       |                     | DROP   | 0.50                                                           | 0.50             | 0.50             | 0.50             |         |         |       |
|                       |                       |                     | START  | 10:20 AM                                                       | 11:25 AM         | 12:29 PM         | 1:32 PM          |         |         |       |
| 12/27/18<br>IT-03     | 24"                   | 8"                  | FINISH | 11:20 AM                                                       | 12:25 PM         | 1:29 PM          | 2:32 PM          | 0.50    |         |       |
| 11-00                 |                       |                     | DROP   | 0.50                                                           | 0.50             | 0.50             | 0.50             |         |         |       |
|                       |                       |                     | START  | 9:49 AM                                                        | 11:03 AM         | 12:05 PM         | 1:07 PM          |         |         |       |
| 12/27/18<br>IT-04     | 24"                   | 8"                  | FINISH | 10:49 AM                                                       | 12:03 PM         | 1:05 PM          | 2:07 PM          | 8.00    |         |       |
| 11-04                 |                       |                     | DROP   | 8.00                                                           | 8.00             | 8.00             | 8.00             |         |         |       |
|                       |                       |                     | START  | 9:57 AM                                                        | 11:05 AM         | 12:05 PM         | 1:10 PM          | 4.00    |         |       |
| 12/27/18<br>IT-05     | 24"                   | 8"                  | FINISH | 10:57 AM                                                       | 12:05 PM         | 1:05 PM          | 2:10 PM          |         |         |       |
| 11-05                 |                       |                     | DROP   | 4.00                                                           | 4.00             | 4.00             | 4.00             |         |         |       |
|                       |                       |                     | START  | 10:17 AM                                                       | 11:19 AM         | 12:21 PM         | 1:22 PM          |         |         |       |
| 12/27/18<br>IT-06     | 24"                   | 8"                  | FINISH | 11:17 AM                                                       | 12:19 PM         | 1:21 PM          | 2:22 PM          | 24.00   |         |       |
| 11-00                 |                       |                     | DROP   | 24.00                                                          | 24.00            | 24.00            | 24.00            |         |         |       |
|                       |                       |                     | START  | 1:20 PM                                                        | 1:45 PM          | 2:25 PM          | 3:25 PM          |         |         |       |
| 12/27/18<br>IT-07     | 24"                   | 24"                 | 24"    | 8"                                                             | FINISH           | 1:45 PM          | 2:23 PM          | 3:20 PM | 4:25 PM | 36.42 |
| 11-07                 |                       |                     | DROP   | 24.00 (57.60/hr)                                               | 24.00 (37.89/hr) | 24.00 (26.18/hr) | 24.00 (24.00/hr) |         |         |       |
|                       |                       |                     | START  | 8:38 AM                                                        | 9:38 AM          | 10:38 AM         |                  |         |         |       |
| 08/13/19<br>IT-01     | 24"                   | 8"                  | FINISH | 9:38 AM                                                        | 10:38 AM         | 11:38 AM         |                  | 14.17   |         |       |
| 11-01                 |                       |                     | DROP   | 16.00                                                          | 13.25            | 13.25            |                  |         |         |       |
|                       |                       |                     | START  | 8:39 AM                                                        | 9:40 AM          | 10:40 AM         |                  |         |         |       |
| 08/13/19<br>IT-02     | 24"                   | 24" 8"              | FINISH | 9:39 AM                                                        | 10:40 AM         | 11:40 AM         |                  | 4.50    |         |       |
|                       |                       |                     | DROP   | 6.00                                                           | 4.50             | 3.00             |                  |         |         |       |
|                       | 24"                   |                     | START  | 9:45 AM                                                        | 10:47 AM         | 11:48 AM         |                  |         |         |       |
| 08/13/19              |                       | 8"                  | FINISH | 10:45 AM                                                       | 11:47 AM         | 12:48 PM         |                  | 19.75   |         |       |
| IT-03                 |                       |                     | DROP   | 20.25                                                          | 19.50            | 19.50            |                  | -       |         |       |
|                       |                       |                     | START  | 9:51 AM                                                        | 10:51 AM         | 11:51 AM         |                  |         |         |       |
| 08/13/19<br>IT-04     | 24"                   | 8"                  | FINISH | 10:51 AM                                                       | 11:51 AM         | 12:51 PM         |                  | 19.00   |         |       |

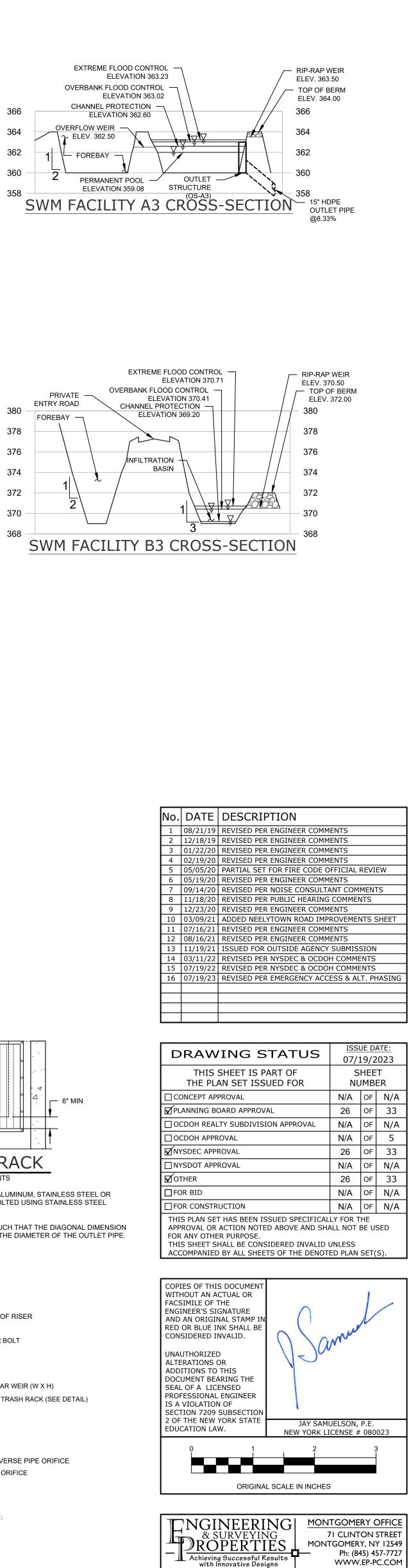


## INFILTRATION TEST RESULTS









## EROSION & SEDIMENTATION CONTROL NOTES

- 1. SITE DISTURBANCE SHALL BE LIMITED TO THE MINIMUM NECESSARY GRADING AND VEGETATION REMOVAL REQUIRED FOR CONSTRUCTION WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS.
- 2. ORANGE CONSTRUCTION FENCE LOCATIONS AROUND ALL SEPTIC SYSTEM AREAS SHALL BE STAKED BY A SURVEYOR AND INSTALLATION SHALL BE CONFIRMED BY THE ENGINEER. ALL ORANGE CONSTRUCTION FENCING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROTECT THE SEPTIC AREAS. THE ORANGE CONSTRUCTION FENCING SHALL ONLY BE REMOVED AT TIME ACTUAL CONSTRUCTION OF THE SEPTIC SYSTEM.
- 3. TEMPORARY EROSION CONTROL MEASURES. INCLUDING SILT FENCES, TEMPORARY SWALES, STONE CHECK DAMS, TEMPORARY SEDIMENT BASINS, RIP-RAP PROTECTION SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE FOR GRADING AND CONSTRUCTION OF THE PROPOSED ROADWAY OR DWELLING UNITS.
- 4. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL FOLLOWING DISTURBANCE TO STABILIZE BARE SOIL AND PROMOTE THE PROMPT RE-ESTABLISHMENT OF VEGETATION. 4.1. AN ADEQUATE SEEDBED SHALL BE PREPARED BY SCARIFYING COMPACTED SOIL AND REMOVING SURFACE DEBRIS AND
- OBSTACLES. 4.2. DISTURBED AREAS WHICH WILL REMAIN TEMPORARILY FALLOW FOR PERIODS GREATER THAN 30 DAYS SHALL BE SEEDED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER: 30 LBS. RYEGRASS (ANNUAL OR PERENNIAL) PER ACRE. DURING THE WINTER, USE 100 LBS. CERTIFIED "AROOSTOOK"
- WINTER RYE (CEREAL RYE) PER ACRE 4.3. PERMANENT SEEDING SHALL BE APPLIED ON 4" MIN TOPSOIL AT THE FOLLOWING RATE: 8 LBS EMPIRE BIRDSFOOT TREFOIL OR COMMON WHITE CLOVER PER ACRE PLUS
- 20 LBS TALL FESCUE PER ACRE PLUS 2 LBS REDTOP OR 5 LBS RYEGRASS (PERENNIAL) PER ACRE 4.4. ALL SEEDING SHALL BE PERFORMED USING THE BROADCAST METHOD OR HYDROSEEDING UNLESS OTHERWISE APPROVED 4.5. ALL DISTURBED AREAS SHALL BE STABILIZED SUBSEQUENT TO SEEDING BY APPLYING 2 TONS OF STRAW MULCH PER ACRE. STRAW MULCH SHALL BE ANCHORED BY APPLYING 750 LBS OF WOOD FIBER MULCH PER ACRE WITH A HYDROSEEDER OR TUCKING THE MULCH WITH SMOOTH DISCS OR OTHER MULCH ANCHORING TOOLS TO A DEPTH OF 3". MULCH ANCHORING
- TOPOGRAPHIC CONTOURS. 5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND DRAINAGE STRUCTURES SHALL BE INSPECTED FOLLOWING EVERY RAIN EVENT, AND MAINTENANCE AND REPAIRS SHALL BE PERFORMED PROMPTLY TO MAINTAIN PROPER FUNCTION TRAPPED SEDIMENT SHALL BE REMOVED AND DEPOSITED IN A PROTECTED AREA IN A PROPER MANNER WHICH WILL NOT RESULT IN EROSION.

TOOLS SHALL BE PULLED ACROSS SLOPES ALONG

- 6. TEMPORARY CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED AND GROUND COVER IS COMPLETELY REESTABLISHED. FOLLOWING STABILIZATION, TEMPORARY MEASURES SHALL BE REMOVED TO AVOID INTERFERENCE WITH DRAINAGE.
- 7. ALL STORM INLETS TO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION.
- 8. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY NOT BE USED. 9. MULCH NETTING SUCH AS PAPER, JUTE, EXCELSIOR, COTTON OR
- PLASTIC MAY BE USED. STAPLE IN PLACE. OVER HAY OR STRAW MULCH. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED. 10. STABILIZATION OF STEEP SLOPES SHALL BE ACHIEVED BY APPLYING SEEDING WITH THE FOLLOWING MIXTURE AND THEN COVERING
- WITH AN APPROVED ROLLED EROSION CONTROL PRODUCT: PERENNIAL RYE GRASS CROWN VETCH SPREADING FESCUE
- 11. OPTIMUM SEEDING PERIODS ARE 3/15-6/1 AND 8/1-10/15. 12. FOR CONSTRUCTION THAT OCCURS DURING WINTER MONTHS (i,e. NOVEMBER 15 - APRIL 1) ADDITIONAL MEASURES SHALL BE TAKEN IN ACCORDANCE WITH THE STANDARD & SPECIFICATIONS FOR WINTER STABILIZATION SECTION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION CONTROL, LATEST VERSION AS PUBLISHED BY THE NYSDEC SUCH AS BUT NOT LIMITED TO THE
- FOLLOWING: • ENSURING COMPLIANCE WITH SNOW STORAGE STOCKPILE AREAS • SNOW STOCKPILES AT CONSTRUCTION ENTRANCE SHALL BE OUTSIDE THE STABILIZED CONSTRUCTION ENTRANCE TO ENSURE THE FUNCTIONALITY OF THE EROSION CONTROL MEASURE.
- MAINTAIN BUFFERS TO ALL PERIMETER SILT FENCES. INSTALL ADDITIONAL SILT FENCE AS NECESSARY FOR ANY DISTURBED AREAS UPGRADIENT OF A WATER BODY.
- PROVIDE MAINTENANCE OF ALL DRAINAGE STRUCTURE TO KEEP CLEAR OF SNOW, ICE, DEBRIS, ETC. • IN AREAS WHERE SOIL DISTURBANCE ACTIVITY 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 3 HORIZONTAL TO 1 VERTICAL 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 OF DISTURBED SOIL IN
- ADVANCE OF A MELT EVENT. AREAS OF DISTURBED SOIL SHOULD BE STABILIZED AT THE END OF EACH WORK DAY UNLESS: •• WORK WILL RESUME WITHIN 24 HOURS IN THE SAME AREA AND NO PRECIPITATION IS FORECAST OR;
- RETAIN RUNOFF, SUCH AS OPEN UTILITY TRENCHES, FOUNDATIONS, EXCAVATIONS, OR WATER MANAGEMENT AREAS

BUILDINGS UNDER CONSTRUCTION AND AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED. STONE PATHS SHOULD BE A MINIMUM 10 FEET IN WIDTH BUT WIDER AS NECESSARY TO ACCOMMODATE EQUIPMENT.

– 6" THICKNESS OF 2"

2. WIDTH - 30 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS

SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD

IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

4. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH

WAY, THIS MAY REQUIRED PERIODIC TOP DRESSING WITH ADDITIONAL STONE

AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES

USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR

TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY, WHEN WASHING IS REQUIRED. IT

SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO

WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO

CLEAN STONE

POLY-FILTER X FILTER CLOTH AS -

MANUFACTURED BY CARTHAGE

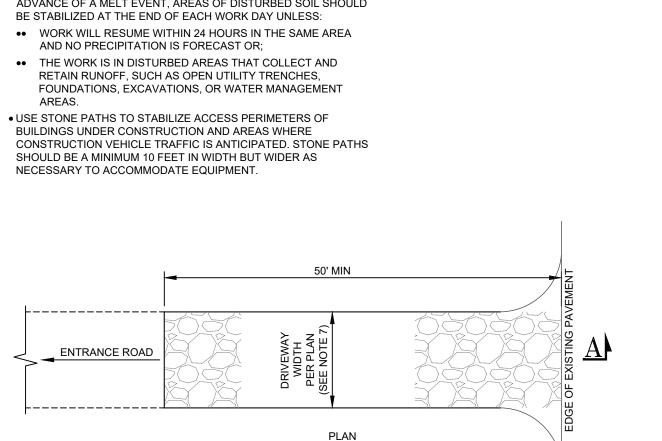
EACH RAIN.

NOTES:

MILLS OR APPROVED EQUAL SECTION A-A

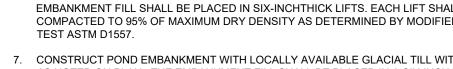
WHERE INGRESS OR EGRESS OCCURS.

AN APPROVED SEDIMENT TRAPPING DEVICE.

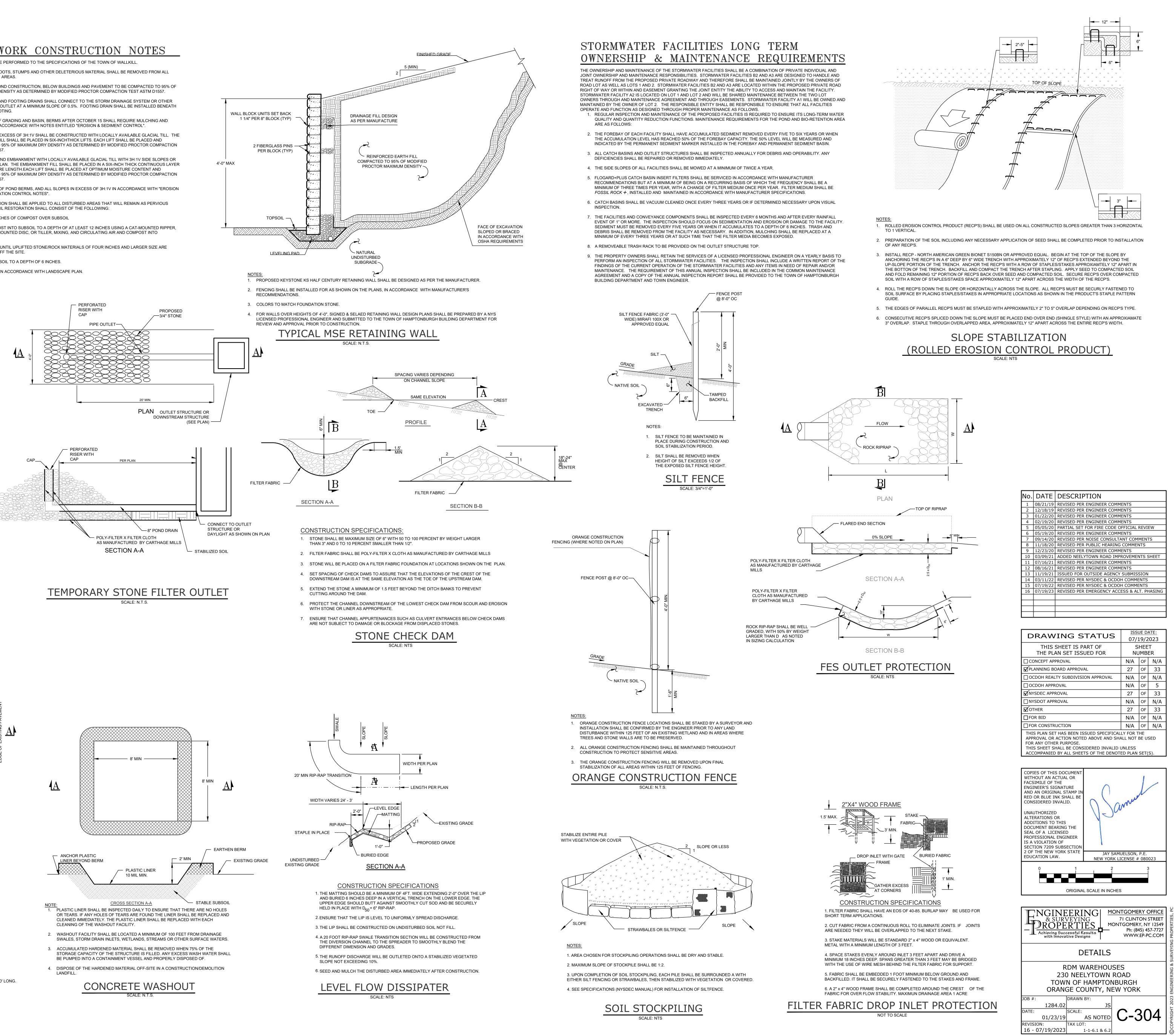


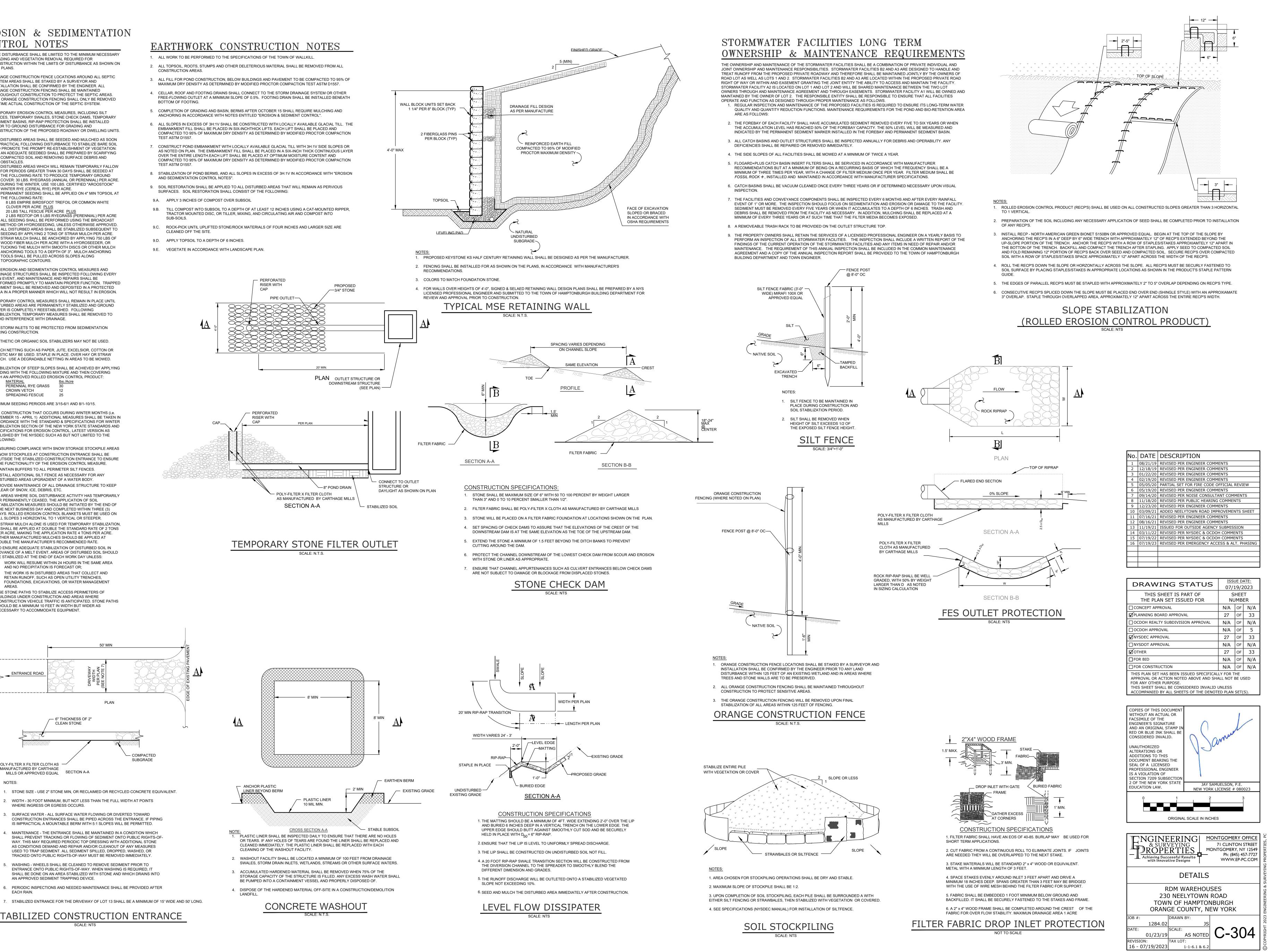
COMPACTE

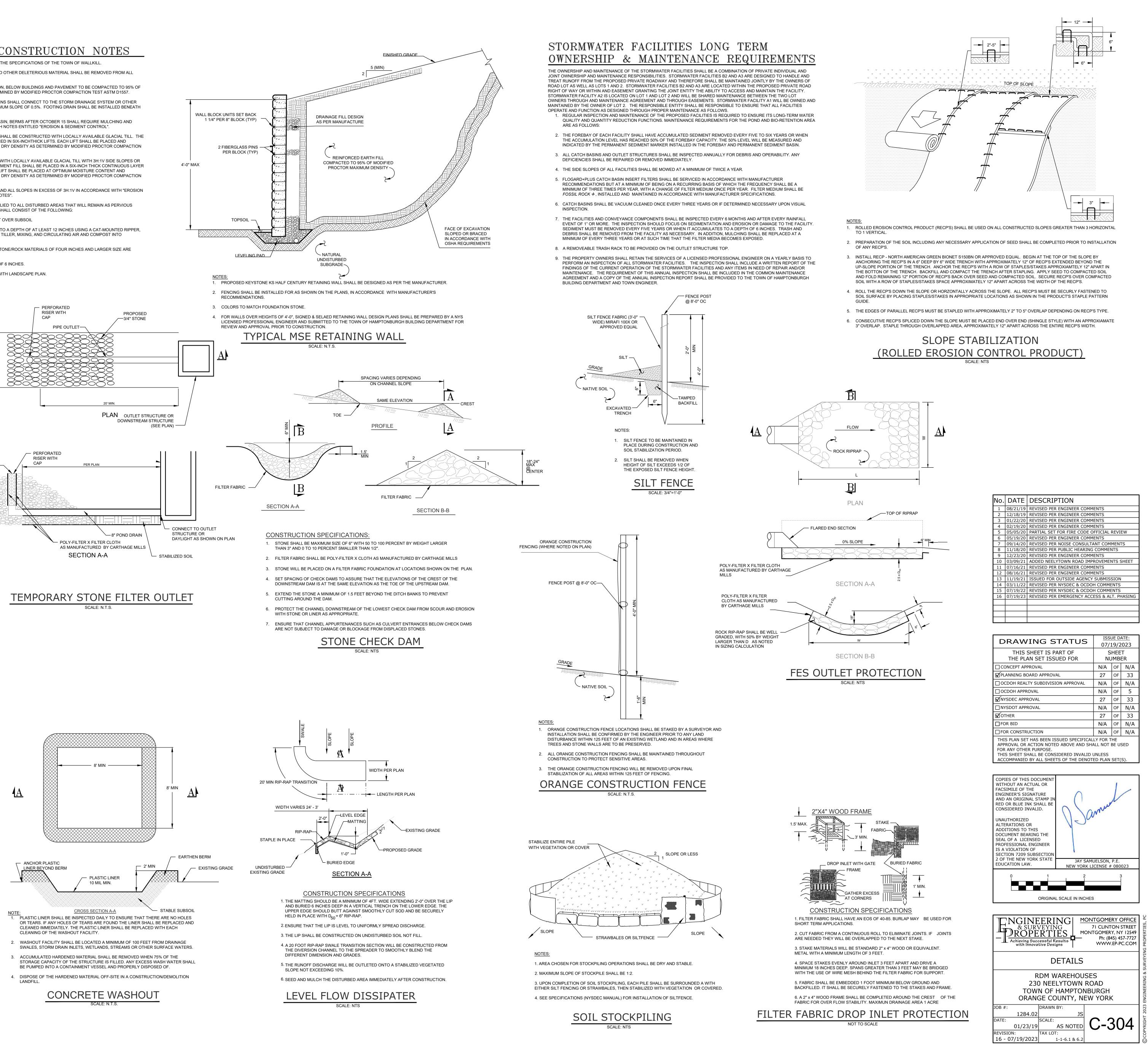
SUBGRADE



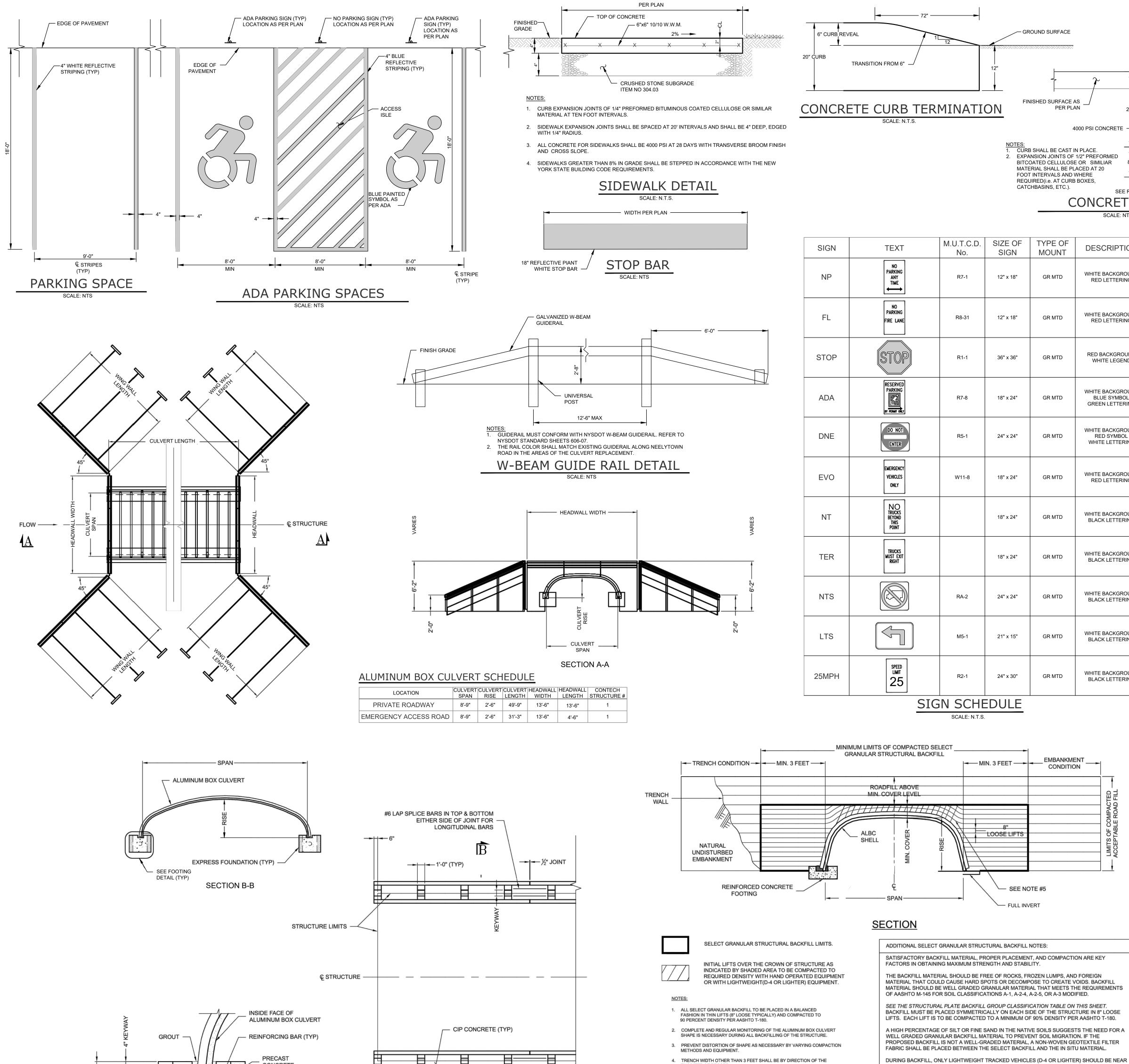
- TEST ASTM D1557
- AND SEDIMENTATION CONTROL NOTES"
- SURFACES. SOIL RESTORATION SHALL CONSIST OF THE FOLLOWING:
- 9.A. APPLY 3 INCHES OF COMPOST OVER SUBSOIL
- SUB-SOILS
- 9 C CLEANED OFF THE SITE.
- 9.D. APPLY TOPSOIL TO A DEPTH OF 6 INCHES.
- 9.E. VEGETATE IN ACCORDANCE WITH LANDSCAPE PLAN

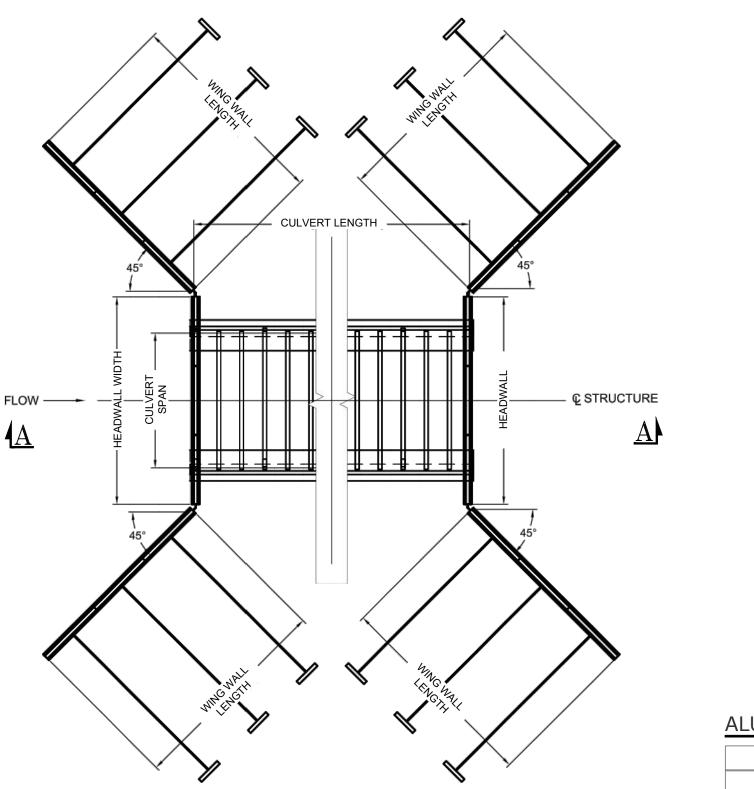


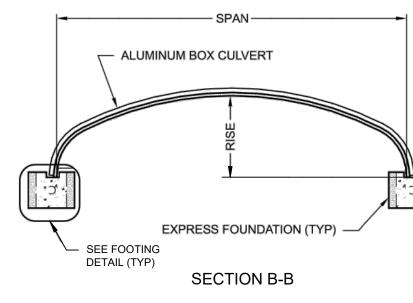


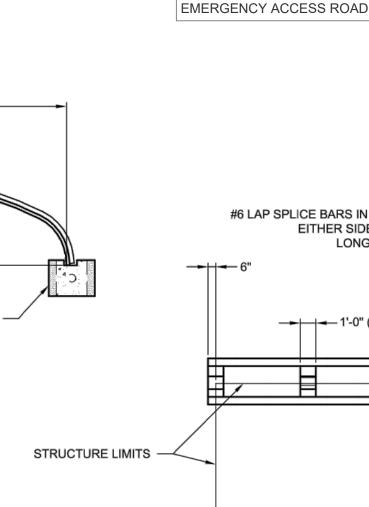


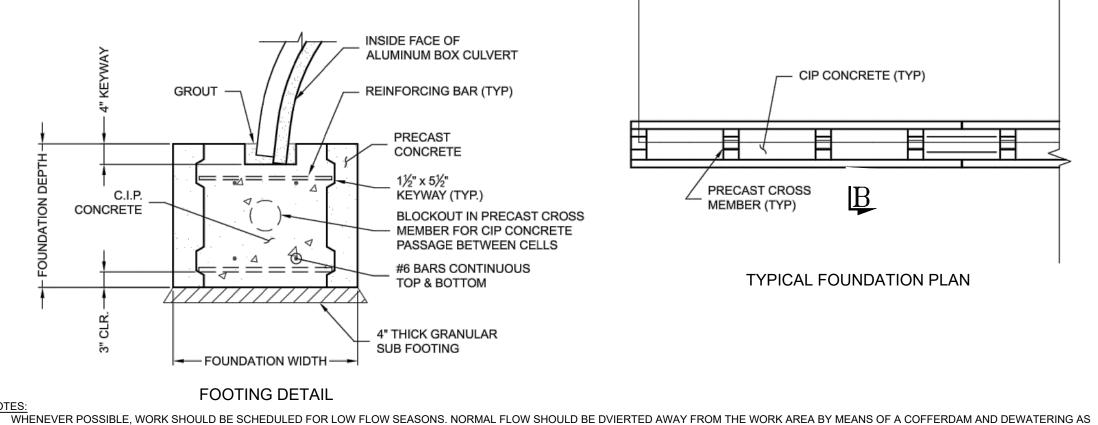












NECESSARY 2. ANY IN-CHANNEL EXCAVATIONS SHALL BE AVOIDED TO THE GREATEST EXTENT PRACTICAL BUT IF NECESSARY, IT SHALL BE DONE FROM THE TOP OF BANKS WITH NO MACHINERY PERMITTED WITHIN THE WATER CHANNEL AT ANY TIME.

- 3. ALL EXCAVATED MATERIALS MUST BE IMMEDIATELY REMOVED TO A DISPOSAL SITE HAVING AN APPROVED EROSION AND SEDIMENT POLLUTION CONTROL PLAN.
- 4. ALL WORK WITHIN DISTURBED AREAS SHOULD BE COMPLETED AND STABILIZED BEFORE FLOW IS REDIRECTED INTO IT. SUITABLE PROTECTION SHOULD BE PROVIDED FOR THE STREAM CHANNEL FROM
- ANY DISTURBED AREAS THAT HAVE NOT YET ACHIEVED STABILIZATION.
- 5. CONTRACTOR SHALL ENSURE ANY AND ALL OTHER EROSION/SEDIMENT CONTROL MEASURES APPLICABLE TO THIS AREA AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS IN THIS SET AND/OR AS DESCRIBED BY THE ENGINEER ONSITE DURING CONSTRUCTION ARE INSTALLED PRIOR TO ANY DISTURBANCE.

IF

TYPICAL FOUNDATION PLAN

PRECAST CROSS

MEMBER (TYP)

ENGINEER OF RECORD. 5. SWITCH TO PLACING SELECT GRANULAR BACKFILL NEAR IN RADIAL

Purposes (Unified Soil Classification System), for comparable soil groups.

LIFTS THE MIDDLE OF THE HAUNCH CURVE.

## STRUCTURAL PLATE BACKFILL GROUP CLASSIFICATION, REFERENCE AASHTO M-145 GROUP CLASSIFICATION A-1-a A-1-b A-2-4 A-2-5 A-3 Sieve Analysis Percent Passing No. 10 (2.000 mm) 50 max. -------No. 40 (0.425 mm) 30 max. 50 max. ----51 max.\* ----No. 200 (0.075 mm) 15 max. 25 max. 35 max. 35 max. 10 max. Atterberg Limits for Fraction Passing No. 40 (0.425 mm) Liquid Limits 40 max. 41 min. Plasticity Index Non Plastic 6 max. 10 max. 10 max. 6 max. Coarse Stone Fragment Silty or Clayey Usual Materials Sand Gravel and Sand Gravel and Sand \*Modified from M-145.

Fine beach sands, windblown sands, stream deposited sands, etc., exhibiting fine, rounded particles and typically Classified by AASHTO M-145 as A-3 materials should not be used. Reference the most current version of ASTM D2487, Standard Practice for Classification of Soils for Engineering

ABOVE OR APPROVED EQUAL.

(HEAVIER THAN D-4).

- ENGINEERS REVIEW.

## CONSTRUCTION. ALUMINUM ARCH CULVERT(S

SCALE: NTS

HEADWALLS SHALL BE INSTALLED AS PER MANUFACTURERS RECOMMENDATION. CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS / DEISGN DRAWINGS FOR ALL FOOTINGS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS FOR THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO

# CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS FOR EACH HEADWALLS PRIOR TO CONSTRUCTION FOR ENGINEERS REVIEW.

## CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS FOR EACH OF THE CULVERT INCLUDING ALL FOOTING DETAILS PRIOR TO CONSTRUCTION FOR

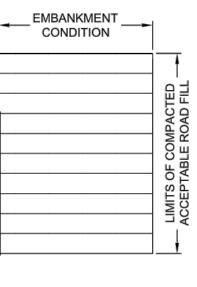
ALL CULVERTS TO BE CAPABLE OF CARRYING H-25 LOADING.

# CULVERTS TO BE CONTECH ALUMINUM BOX CULVERT STRUCTURE AS SPECIFIED

2.3 Prior to bidding the work, the Contractor shall examine, investigate and

## THE STRUCTURE AS FILL PROGRESSES ABOVE THE CROWN AND TO THE FINISHED GRADE. THE ENGINEER AND CONTRACTOR ARE CAUTIONED THAT THE MINIMUM COVER MAY NEED TO BE INCREASED TO HANDLE TEMPORARY CONSTRUCTION VEHICLE LOADS

# SEE NOTE #5



|   | GR MTD | WHITE BACKGROUND<br>RED LETTERING                  |
|---|--------|----------------------------------------------------|
|   | GR MTD | WHITE BACKGROUND<br>RED LETTERING                  |
|   | GR MTD | RED BACKGROUND<br>WHITE LEGEND                     |
|   | GR MTD | WHITE BACKGROUND<br>BLUE SYMBOL<br>GREEN LETTERING |
|   | GR MTD | WHITE BACKGROUND<br>RED SYMBOL<br>WHITE LETTERING  |
|   | GR MTD | WHITE BACKGROUND<br>RED LETTERING                  |
|   | GR MTD | WHITE BACKGROUND<br>BLACK LETTERING                |
|   | GR MTD | WHITE BACKGROUND<br>BLACK LETTERING                |
|   | GR MTD | WHITE BACKGROUND<br>BLACK LETTERING                |
| _ | GR MTD | WHITE BACKGROUND<br>BLACK LETTERING                |
|   | GR MTD | WHITE BACKGROUND<br>BLACK LETTERING                |
|   |        |                                                    |

- GROUND SURFACE

FINISHED SURFACE AS

MOUNT

PER PLAN

4000 PSI CONCRETE

✓ R=1 1/2"

6" REVEA

SEE ROAD CROSS-SECTION -

CONCRETE CURB

SCALE: NTS

DESCRIPTION

FACE OF SIGN -

BRFAKAWAY-

HINGE

4'-0" MIN

ALL ASSEMBLY HARDWARE TO BE CAST

ALUMINUM WITH ALUMINUM BOLTS.

NYSDOT AND MUTCD REQUIREMENTS

ALL SIGNS SHALL CONFORM TO ALL

SIGN POST

SCALE: NTS

PER PLAN

- NYSDOT APPROVED

(SIGN POST)

GALVANIZED STEEL

— FINISH

1/4"X8"X24" STEEL

PLATE (WELDED)

GRADE

6" REVEAL ON

CONCRETE CURB

## the Owner shall be notified immediately. The material which the that the owner can investigate the condition. 2.4 The construction shall be performed under the direction of the Engineer. 2.5 All aspects of the structure design and site layout including foundations, backfill, end treatments and necessary scour consideration shall be performed by the Engineer.

and proper execution of the work. If conditions other than those indicated are discovered by the Contractor, Contractor believes to be a changed condition shall not be disturbed so

- inspect the construction site as to the nature and location of the work, and the general and local conditions at the construction site, including withou limitation, the character of surface or subsurface conditions and obstacles to be encountered on and around the construction site and shall make such additional investigation as he may deem necessary for the planning
- 2.2 The Contractor shall furnish all labor, material and equipment and perform all work and services except those set out and furnished by the Owner, necessary to complete in a satisfactory manner the site preparation, excavation, filling, compaction, grading as shown on the plans and as described therein. This work shall consist of all mobilization clearing and grading, grubbing, stripping, removal of existing material unless otherwise stated, preparation of the land to be filled, filling of the land. spreading and compaction of the fill, and all subsidiary work necessary to complete the grading of the cut and fill areas to conform with the lines, grades, slopes, and specifications. This work is to be accomplished under the observation of the Owner or his designated representative.
- 2.0 GENERAL CONDITIONS Any installation guidance provided herein shall be endorsed by the engineer; discrepancies herein are governed by the Engineer's plans and specifications.
- 1.2.6 As Directed In these specifications the words "as directed" shall refer to the directions to the Contractor from the Owner or his designated representative.
- mean the firm or corporation undertaking the execution of any installation work under the terms of these specifications. 1.2.5 Approved - In these specifications the word "approved" shall refer to the approval of the Engineer or his designated representative.
- 1.2.4 Contractor In these specifications the word "Contractor" shall
- the Engineer of Record or Owner's designated engineering representative. 1.2.3 Manufacturer - In these specifications the word "Manufacturer" shall mean CONTECH ENGINEERED SOLUTIONS 800-338-1122
- 1.2.1 Owner In these specifications the word "Owner" shall mean 1.2.2 Engineer - In these specifications the word "Engineer" shall mean
- Installing Corrugated Aluminum Structural Plate Pipe. 1.2 DEFINITIONS
- Section 12. 1.1.3 AASHTO Standard Specification for Highway Bridges - Section 26 Division II - Construction, AASHTO LRFD Bridge Construction Specifications - Section 26, ASTM B789, Standard Practice for
- 1.1.2 AASHTO Standard Specification for Highway Bridges Section 12 Division I - Design, AASHTO LRFD Bridge Design Specifications
- 1.1.1 ASTM B-864 "Standard Specification for Corrugated Aluminum Box Culverts" (AASHTO Designation M-219).
- 1.0 STANDARDS AND DEFINITIONS 1.1 STANDARDS - All standards refer to the current ASTM/AASHTO edition unless otherwise noted.

# EMERGENCY ACCESS ROAD SCALE: N.T.S.

## DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR TEST

## INSTALLATION OF ITEM 4. 4. ITEM 4 SHALL BE COMPACTED TO 95% OF MAXIMUM

- WHEN A SNOWFALL OF 2" OR GREATER OCCURS. 3. SUBGRADE SHALL BE PROOF ROLLED PRIOR TO
- 2. EMERGENCY ACCESS ROAD SHALL BE PLOWED
- EMERGENCY RESPONSE VEHICLES.

# TO ENSURE ADEQUATE AND SAFE USE BY

— STABLE

SUBGRADE

4" TOPSOIL AND SEED

12" COMPACTED

ITEM 4

Ç POST

/--- 4" DIA STEEL BOLLARD

CONCRETE

2,000 PSI MIN.

STABLE

PAINT COATING SHALL BE RUST-OLEUM INDUSTRIAL ENAMEL.

SAFETY YELLOW. MODEL #0944 OR ACCEPTABLE EQUAL.

BOLLARD

SCALE: N.T.S

4" ASPHALT

(TYPE 3)

12" R.O.B.

BINDER COURSE

PRIVATE ROAD CROSS-SECTION

SCALE: N.T.S

- 12'-0" -----

1. ROAD SHALL NOT EXCEED 10% GRADE

WELL MAINTENANCE

**GRAVEL ACCESS DRIVE** 

SCALE: N.T.S

Bolts and nuts shall conform to the requirements of ASTM A-307

Bolts shall be tightened using an applied torque of between 100

and specifications, the manufacturer's recommendations, and

AASHTO Standard Specification for Highway Bridges - Section

26 Division II - Construction/AASHTO LRFD Bridge Construction

and/or ASTM A-449. The box culvert shall be assembled in

accordance with the plate layout drawings provided by the

manufacturer and per the manufacturer's recommendations.

3.2 The box culvert shall be installed in accordance with the plans

3.3 Trench excavation shall be made in embankment material that is

3.4 Aluminum Box Culvert designs require a minimum allowable

accommodated with a site specific design for an aluminum

removed and replaced to a suitable depth with competent

When a metal foundation is used, the soil bedding requires a

minimum of 6 inches of loose granular material with a maximum

the bedding material required shall conform to the project plans

Bedding preparation is critical to both structure performance and

service life. The bedding should be constructed to uniform line and

grade to avoid distortions that may create undesirable stresses in

the structure and/or rapid deterioration of the roadway. The bed

The structure shall be assembled in accordance with the

hard objects during placement in trench or on bedding.

Manufacturer's instructions. All plates shall be unloaded and

should be free of rock formations, protruding stones, frozen lumps,

roots, and other foreign matter that may cause unequal settlement.

handled with reasonable care. Plates shall not be rolled or dragged

over gravel rock and shall be prevented from striking rock or other

When installed on a full invert or on flexible footing pads, assembly

of the invert or footing pads shall start at the downstream end.

downstream plates as assembly progresses upstream. Whether

the box culvert is installed on a concrete footing, full metal invert,

or flexible footing pad, assembly of the structure shell shall start at

the upstream end. Downstream rings of plates shall be assembled

outside of the upstream rings (Circumferential seams are shingled

The structure shall be backfilled using clean well graded granular

material that meets the requirements for soil classifications A-1

structural plate backfill group classification table on this sheet.

structure in 8 inch loose lifts. Each lift shall be compacted to a

Standard highway loads that meet the permissible design load

limits for an Aluminum Box Culvert are not allowed on the structure

The addition of temporary soil for heavy construction loads is not

these structures are limited in the range of permissible fill heights

feasible or permissible for Aluminum Box Culverts. By design,

Heavy construction loads that exceed that of the particular highway live load design limits are not allowed on Aluminum Box

3.9 If an aluminum headwall and/or wingwall system is specified, the

select granular structural backfill limits shall extend past the

deadman anchor system. Contact the Engineer if stiff material or

rock is encountered where the wingwalls and deadmen are to be

Culverts without approval from the Engineer.

A-2-4, A-2-5, or A-3 modified per AASHTO M-145. See the

Backfill must be placed symmetrically on each side of the

until it is backfilled completely and pavement is in place.

minimum of 90 percent density per AASHTO T-180.

Circumferential seam laps shall shingle over the top of the

downstream when viewed from the inside of the shell).

particle size of one half the corrugation depth. The proper width of

structurally adequate. The trench width shall be shown on the

and replaced with suitable backfill as directed by the Engineer.

plans. Poor quality in situ embankment material must be removed

soil-bearing pressure of 4,000 psf. Lower bearing capacities may be

If the engineer determines the natural foundation is inadequate to

support the structure's backfill, the poor material shall be excavated.

material. The specific depth of excavation required may be reduced

by utilizing a geosynthetic reinforced foundation as designed by a

qualified geotechnical engineer. For additional information contact

NOTE:

3.0 ASSEMBLY AND INSTALLATION

and 150 ft.-lbs.

Specifications - Section 26.

foundation or a concrete footing.

your local Contech representative.

and specifications.

and live loads.

installed.

3.6

3.1

— 6" THICKNESS OF 3/4"

CRUSHED STONE

SUBGRADE

CHANNEL

NOTES:

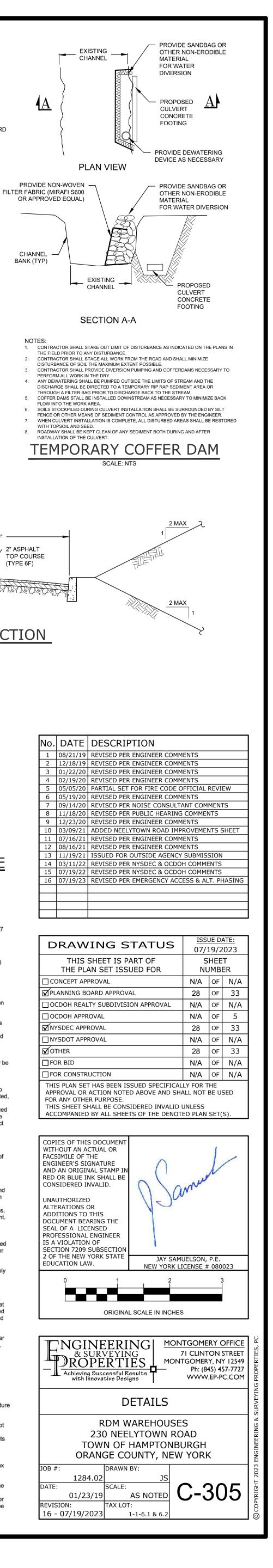
2" ASPHALT

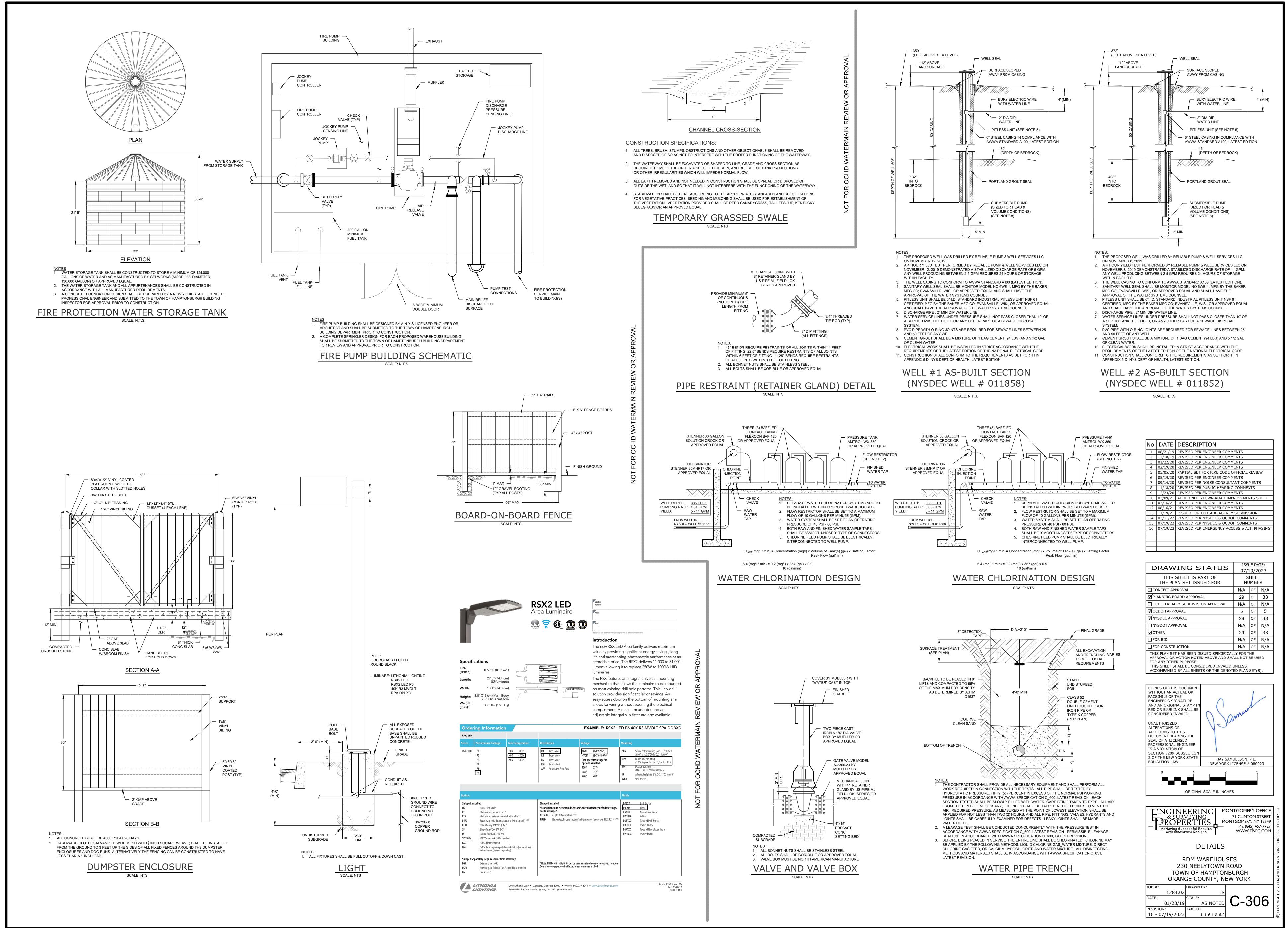
(TYPE 6F)

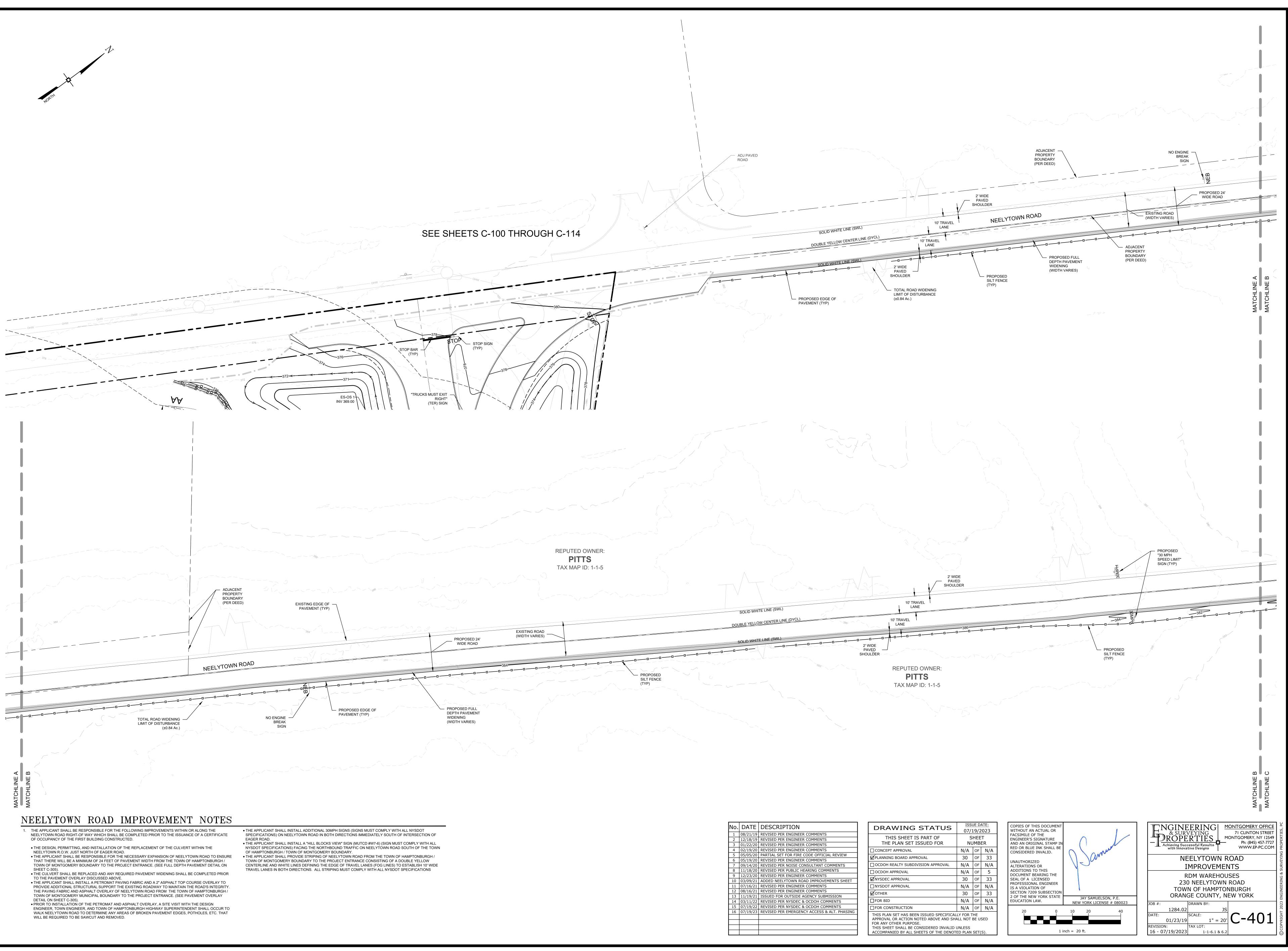
TOP COURSE

BANK (TYP)

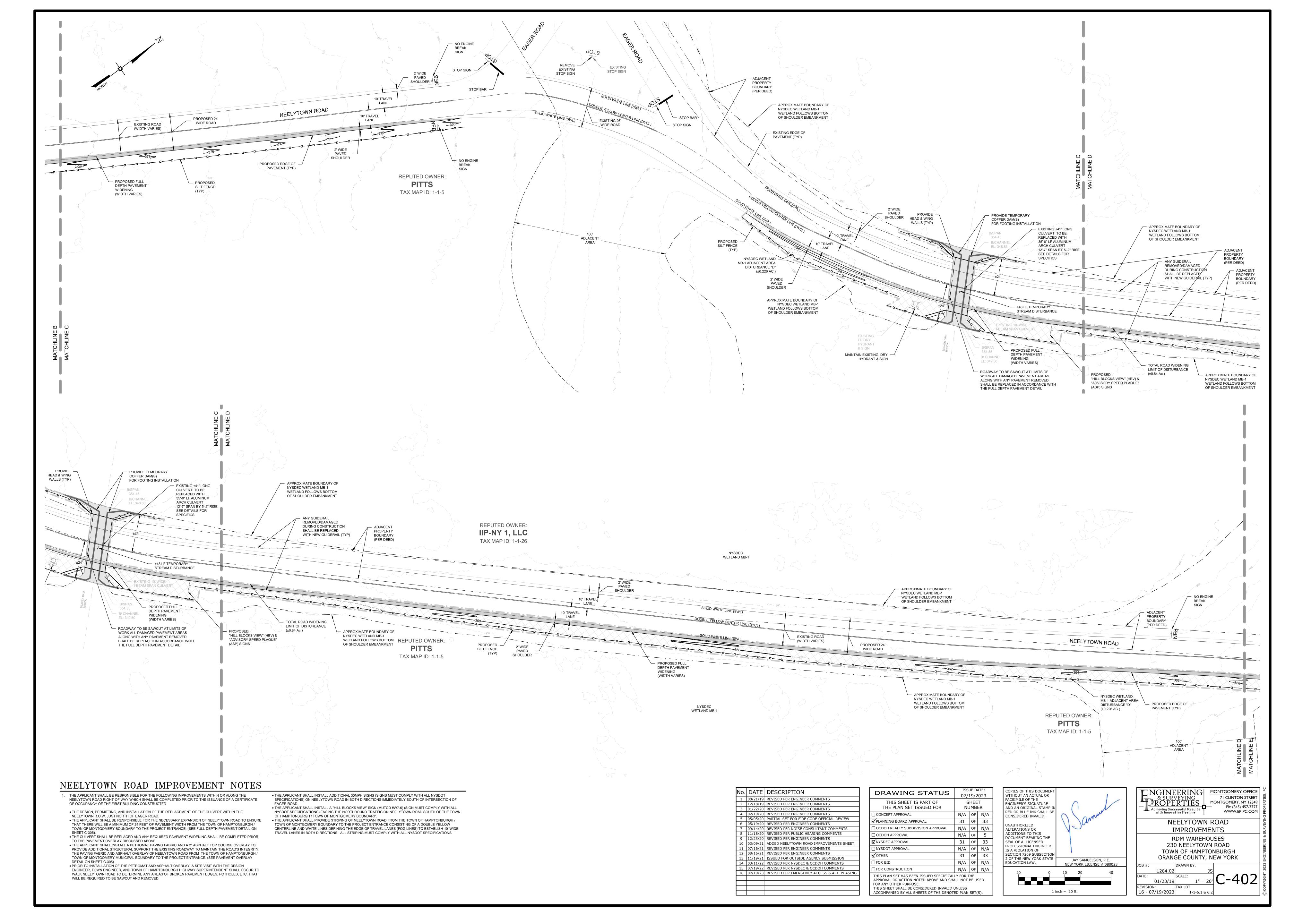
# I. EMERGENCY ACCESS ROAD SHALL BE MAINTAINED

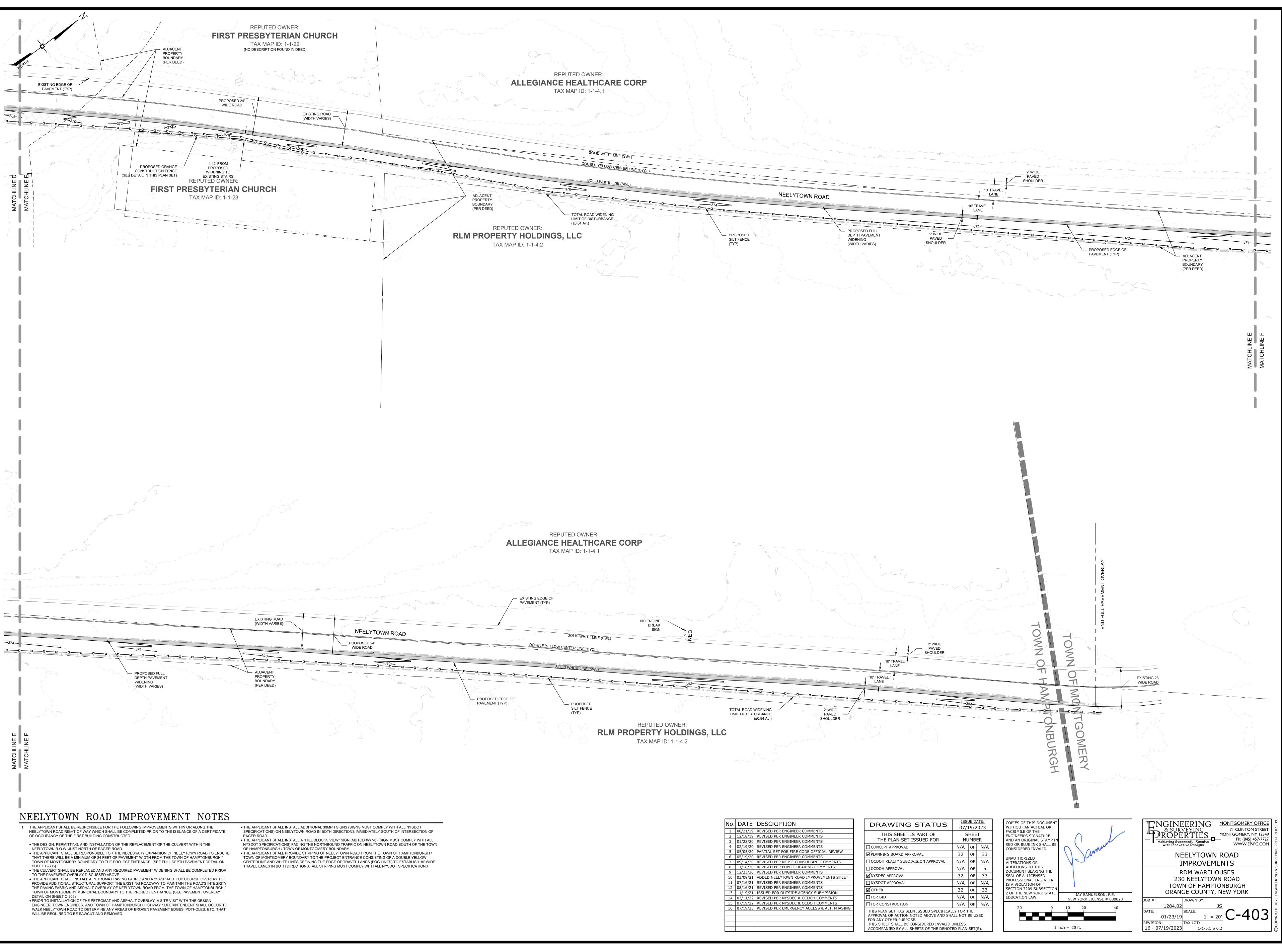


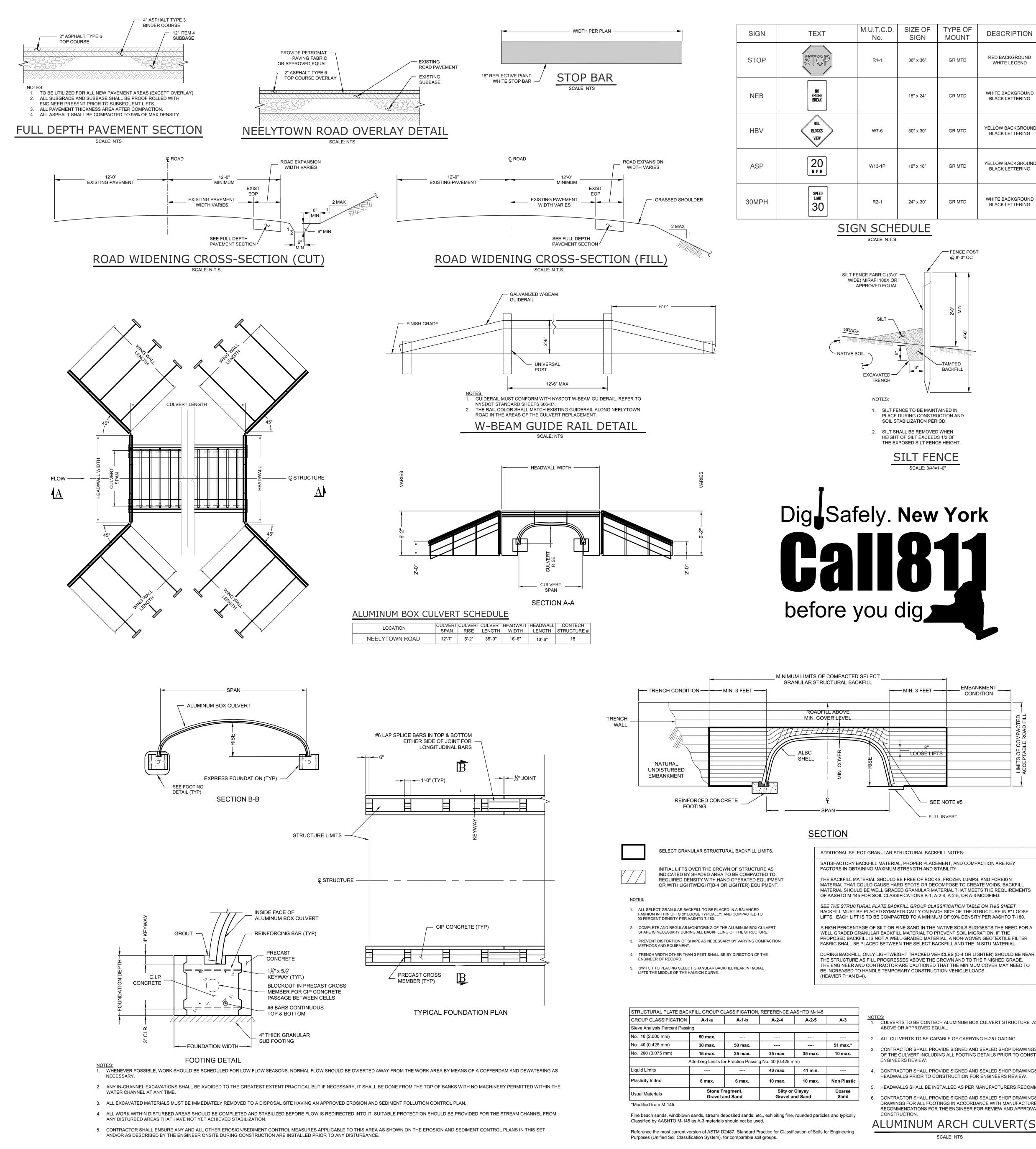




| DRAWING STATUS                                                                                                                                                                                                                                 | ISSUE DATE: |     |     |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----|-----|--|
| BRAVING STATUS                                                                                                                                                                                                                                 | 07/19/2023  |     |     |  |
| THIS SHEET IS PART OF                                                                                                                                                                                                                          | -           | HEE | -   |  |
| THE PLAN SET ISSUED FOR NUMB                                                                                                                                                                                                                   |             |     | ER  |  |
| CONCEPT APPROVAL                                                                                                                                                                                                                               | N/A         | OF  | N/A |  |
| PLANNING BOARD APPROVAL                                                                                                                                                                                                                        | 30          | OF  | 33  |  |
| OCDOH REALTY SUBDIVISION APPROVAL                                                                                                                                                                                                              | N/A         | OF  | N/A |  |
| OCDOH APPROVAL                                                                                                                                                                                                                                 | N/A         | OF  | 5   |  |
| MYSDEC APPROVAL                                                                                                                                                                                                                                | 30          | OF  | 33  |  |
| NYSDOT APPROVAL                                                                                                                                                                                                                                | N/A         | OF  | N/A |  |
| <b>☑</b> OTHER                                                                                                                                                                                                                                 | 30          | OF  | 33  |  |
| FOR BID                                                                                                                                                                                                                                        | N/A         | OF  | N/A |  |
| GR CONSTRUCTION                                                                                                                                                                                                                                | N/A         | OF  | N/A |  |
| THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE<br>APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED<br>FOR ANY OTHER PURPOSE.<br>THIS SHEET SHALL BE CONSIDERED INVALID UNLESS<br>ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S). |             |     |     |  |







- 1. CULVERTS TO BE CONTECH ALUMINUM BOX CULVERT STRUCTURE AS SPECIFIED ABOVE OR APPROVED EQUAL.
- CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS FOR EACH OF THE CULVERT INCLUDING ALL FOOTING DETAILS PRIOR TO CONSTRUCTION FOR
- CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS FOR EACH HEADWALLS PRIOR TO CONSTRUCTION FOR ENGINEERS REVIEW. HEADWALLS SHALL BE INSTALLED AS PER MANUFACTURERS RECOMMENDATION.
- CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS / DEISGN DRAWINGS FOR ALL FOOTINGS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS FOR THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO

ALUMINUM ARCH CULVERT(S

SCALE: NTS

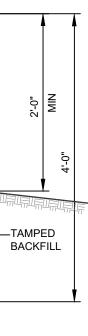
| TYPE OF<br>MOUNT | DESCRIPTION                          |
|------------------|--------------------------------------|
| GR MTD           | RED BACKGROUND<br>WHITE LEGEND       |
| GR MTD           | WHITE BACKGROUND<br>BLACK LETTERING  |
| GR MTD           | YELLOW BACKGROUND<br>BLACK LETTERING |
| GR MTD           | YELLOW BACKGROUND<br>BLACK LETTERING |
| GR MTD           | WHITE BACKGROUND<br>BLACK LETTERING  |

FACE OF SIGN -

BRFAKAWAY-HINGE

PER PLAN

FENCE POST @ 8'-0" OC





**EMBANKMENT** CONDITION

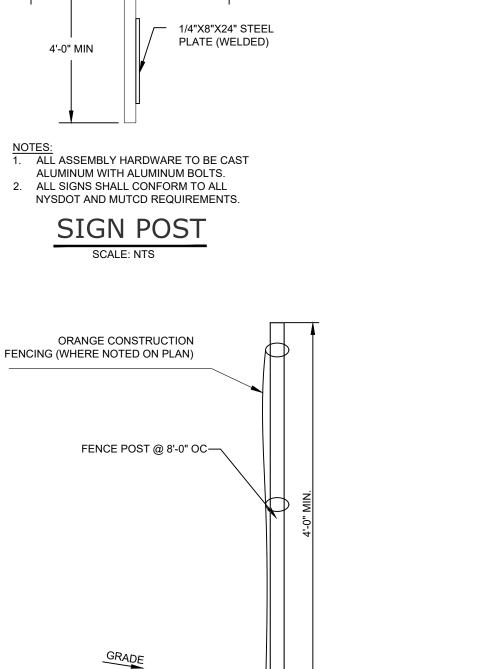
- unless otherwise stated, preparation of the land to be filled, filling of the land, spreading and compaction of the fill, and all subsidiary work necessary to complete the grading of the cut and fill areas to conform with the lines, grades, slopes, and specifications. This work is to be accomplished under
  - the observation of the Owner or his designated representative. 2.3 Prior to bidding the work, the Contractor shall examine, investigate and inspect the construction site as to the nature and location of the work, and the general and local conditions at the construction site, including without limitation, the character of surface or subsurface conditions and obstacles to be encountered on and around the construction site and shall make such additional investigation as he may deem necessary for the planning and proper execution of the work.
    - If conditions other than those indicated are discovered by the Contractor, the Owner shall be notified immediately. The material which the Contractor believes to be a changed condition shall not be disturbed so that the owner can investigate the condition. 2.4 The construction shall be performed under the direction of the Engineer.
    - 2.5 All aspects of the structure design and site layout including foundations, backfill, end treatments and necessary scour consideration shall be performed by the Engineer.

- 3.0 ASSEMBLY AND INSTALLATION
- 3.1 Bolts and nuts shall conform to the requirements of ASTM A-307 and/or ASTM A-449. The box culvert shall be assembled in accordance with the plate layout drawings provided by the manufacturer and per the manufacturer's recommendations.
- Bolts shall be tightened using an applied torque of between 100 and 150 ft.-lbs.
- 3.2 The box culvert shall be installed in accordance with the plans and specifications, the manufacturer's recommendations, and AASHTO Standard Specification for Highway Bridges - Section 26 Division II - Construction/AASHTO LRFD Bridge Construction
- Specifications Section 26. structurally adequate. The trench width shall be shown on the plans. Poor quality in situ embankment material must be removed
- 3.3 Trench excavation shall be made in embankment material that is and replaced with suitable backfill as directed by the Engineer. 3.4 Aluminum Box Culvert designs require a minimum allowable
- soil-bearing pressure of 4,000 psf. Lower bearing capacities may be accommodated with a site specific design for an aluminum foundation or a concrete footing. If the engineer determines the natural foundation is inadequate to support the structure's backfill, the poor material shall be excavated,
- removed and replaced to a suitable depth with competent material. The specific depth of excavation required may be reduced by utilizing a geosynthetic reinforced foundation as designed by a
- qualified geotechnical engineer. For additional information contact your local Contech representative. 3.5 When a metal foundation is used, the soil bedding requires a
- minimum of 6 inches of loose granular material with a maximum particle size of one half the corrugation depth. The proper width of the bedding material required shall conform to the project plans and specifications.
- Bedding preparation is critical to both structure performance and service life. The bedding should be constructed to uniform line and grade to avoid distortions that may create undesirable stresses in the structure and/or rapid deterioration of the roadway. The bed
- should be free of rock formations, protruding stones, frozen lumps,
- roots, and other foreign matter that may cause unequal settlement. 3.6 The structure shall be assembled in accordance with the Manufacturer's instructions. All plates shall be unloaded and handled with reasonable care. Plates shall not be rolled or dragged over gravel rock and shall be prevented from striking rock or other hard objects during placement in trench or on bedding. When installed on a full invert or on flexible footing pads, assembly of the invert or footing pads shall start at the downstream end. Circumferential seam laps shall shingle over the top of the
- downstream plates as assembly progresses upstream. Whether the box culvert is installed on a concrete footing, full metal invert, or flexible footing pad, assembly of the structure shell shall start at the upstream end. Downstream rings of plates shall be assembled outside of the upstream rings (Circumferential seams are shingled
- downstream when viewed from the inside of the shell). 3.7 The structure shall be backfilled using clean well graded granular material that meets the requirements for soil classifications A-1. A-2-4 A-2-5, or A-3 modified per AASHTO M-145. See the structural plate backfill group classification table on this sheet. Backfill must be placed symmetrically on each side of the
- structure in 8 inch loose lifts. Each lift shall be compacted to a minimum of 90 percent density per AASHTO T-180. Standard highway loads that meet the permissible design load
- limits for an Aluminum Box Culvert are not allowed on the structure until it is backfilled completely and pavement is in place. The addition of temporary soil for heavy construction loads is not feasible or permissible for Aluminum Box Culverts. By design, these structures are limited in the range of permissible fill heights and live loads.
- Heavy construction loads that exceed that of the particular highway live load design limits are not allowed on Aluminum Box Culverts without approval from the Engineer.
- 3.9 If an aluminum headwall and/or wingwall system is specified, the select granular structural backfill limits shall extend past the deadman anchor system. Contact the Engineer if stiff material or rock is encountered where the wingwalls and deadmen are to be installed

PROPOSED CULVERT CONCRETE FOOTING PLAN VIEW PROVIDE NON-WOVEN -— PROVIDE SANDBAG OR FILTER FABRIC (MIRAFI S600 OR APPROVED EQUAL MATERIAL CHANNEL BANK (TYP) EXISTING CHANNE SECTION A-A CONTRACTOR SHALL STAKE OUT LIMIT OF DISTURBANCE AS INDICATED ON THE PLANS IN THE FIELD PRIOR TO ANY DISTURBANCE. 2. CONTRACTOR SHALL STAGE ALL WORK FROM THE ROAD AND SHALL MINIMIZE DISTURBANCE OF SOIL THE MAXIMUM EXTENT POSSIBLE. 3. CONTRACTOR SHALL PROVIDE DIVERSION PUMPING AND COFFERDAMS NECESSARY TO PERFORM ALL WORK IN THE DRY. 4. ANY DEWATERING SHALL BE PUMPED OUTSIDE THE LIMITS OF STREAM AND THE DISCHARGE SHALL BE DIRECTED TO A TEMPORARY RIP RAP SEDIMENT AREA OR THROUGH A FILTER BAG PRIOR TO DISCHARGE BACK TO THE STREAM. 5. COFFER DAMS STALL BE INSTALLED DOWNSTREAM AS NECESSARY TO MINIMIZE BACK FLOW INTO THE WORK AREA. 6. SOILS STOCKPILED DURING CULVERT INSTALLATION SHALL BE SURROUNDED BY SILT

FXISTING

FENCE OR OTHER MEANS OF SEDIMENT CONTROL AS APPROVED BY THE ENGINEER. 7. WHEN CULVERT INSTALLATION IS COMPLETE, ALL DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL AND SEED. ROADWAY SHALL BE KEPT CLEAN OF ANY SEDIMENT BOTH DURING AND AFTER INSTALLATION OF THE CULVERT. TEMPORARY COFFER DAM SCALE: NTS



1. ORANGE CONSTRUCTION FENCE LOCATIONS SHALL BE STAKED BY A SURVEYOR AND INSTALLATION SHALL BE CONFIRMED BY THE ENGINEER PRIOR TO ANY LAND DISTURBANCE WITHIN 125 FEET OF AN EXISTING WETLAND AND IN AREAS WHERE

2. ALL ORANGE CONSTRUCTION FENCING SHALL BE MAINTAINED THROUGHOUT

ORANGE CONSTRUCTION FENCE

SCALE: N.T.S.

3. THE ORANGE CONSTRUCTION FENCING WILL BE REMOVED UPON FINAL STABILIZATION OF ALL AREAS WITHIN 125 FEET OF FENCING.

∽ NATIVE SOIL -

TREES AND STONE WALLS ARE TO BE PRESERVED.

CONSTRUCTION TO PROTECT SENSITIVE AREAS.

1.1 STANDARDS - All standards refer to the current ASTM/AASHTO edition

1.1.1 ASTM B-864 "Standard Specification for Corrugated Aluminum Box Culverts"

Division I - Design, AASHTO LRFD Bridge Design Specifications

1.1.2 AASHTO Standard Specification for Highway Bridges - Section 12

1.1.3 AASHTO Standard Specification for Highway Bridges - Section 26

Installing Corrugated Aluminum Structural Plate Pipe.

1.2.1 Owner - In these specifications the word "Owner" shall mean

1.2.2 Engineer - In these specifications the word "Engineer" shall mean

1.2.3 Manufacturer - In these specifications the word "Manufacturer"

1.2.4 Contractor - In these specifications the word "Contractor" shall

installation work under the terms of these specifications.

the Engineer of Record or Owner's designated engineering representative.

shall mean CONTECH ENGINEERED SOLUTIONS 800-338-1122

mean the firm or corporation undertaking the execution of any

1.2.5 Approved - In these specifications the word "approved" shall refer to

the approval of the Engineer or his designated representative.

1.2.6 As Directed - In these specifications the words "as directed" shall refer to

Any installation guidance provided herein shall be endorsed by the

2.2 The Contractor shall furnish all labor, material and equipment and

Owner, necessary to complete in a satisfactory manner the site

engineer; discrepancies herein are governed by the Engineer's plans and

perform all work and services except those set out and furnished by the

plans and as described therein. This work shall consist of all mobilization

clearing and grading, grubbing, stripping, removal of existing material

preparation, excavation, filling, compaction, grading as shown on the

the directions to the Contractor from the Owner or his designated

Division II - Construction, AASHTO LRFD Bridge Construction

Specifications - Section 26. ASTM B789, Standard Practice for

NOTES:

1.0 STANDARDS AND DEFINITIONS

Section 12.

representative.

specifications.

2.0 GENERAL CONDITIONS

1.2 <u>DEFINITIONS</u>

unless otherwise noted.

(AASHTO Designation M-219).

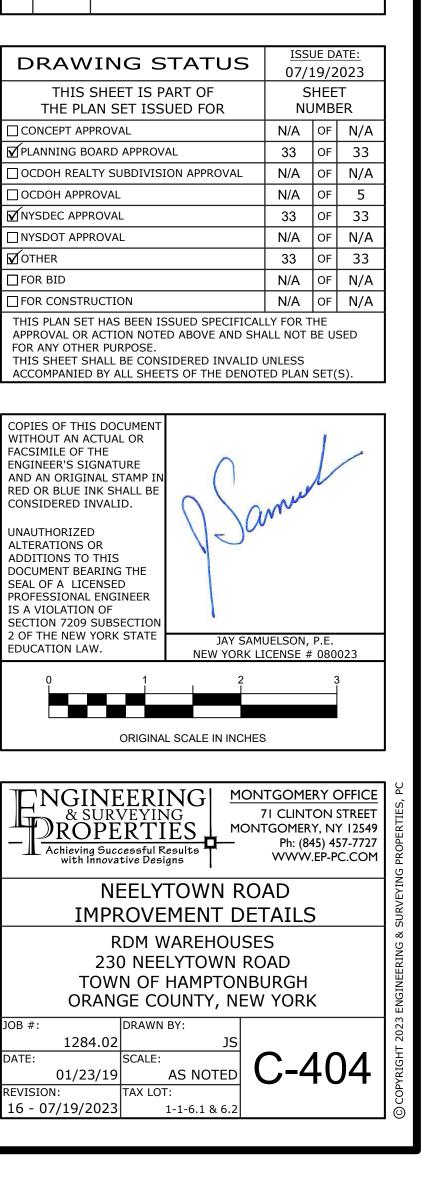
– NYSDOT APPROVED

GALVANIZED STEEL

— FINISH

GRADE

(SIGN POST)



| lo. | DATE     | DESCRIPTION                                 |
|-----|----------|---------------------------------------------|
| 1   | 08/21/19 | REVISED PER ENGINEER COMMENTS               |
| 2   | 12/18/19 | REVISED PER ENGINEER COMMENTS               |
| 3   | 01/22/20 | REVISED PER ENGINEER COMMENTS               |
| 4   | 02/19/20 | REVISED PER ENGINEER COMMENTS               |
| 5   | 05/05/20 | PARTIAL SET FOR FIRE CODE OFFICIAL REVIEW   |
| 6   | 05/19/20 | REVISED PER ENGINEER COMMENTS               |
| 7   | 09/14/20 | REVISED PER NOISE CONSULTANT COMMENTS       |
| 8   | 11/18/20 | REVISED PER PUBLIC HEARING COMMENTS         |
| 9   | 12/23/20 | REVISED PER ENGINEER COMMENTS               |
| 10  | 03/09/21 | ADDED NEELYTOWN ROAD IMPROVEMENTS SHEET     |
| 11  | 07/16/21 | REVISED PER ENGINEER COMMENTS               |
| 12  | 08/16/21 | REVISED PER ENGINEER COMMENTS               |
| 13  | 11/19/21 | ISSUED FOR OUTSIDE AGENCY SUBMISSION        |
| 14  | 03/11/22 | REVISED PER NYSDEC & OCDOH COMMENTS         |
| 15  | 07/19/22 | REVISED PER NYSDEC & OCDOH COMMENTS         |
| 16  | 07/19/23 | REVISED PER EMERGENCY ACCESS & ALT. PHASING |
|     |          |                                             |
|     |          |                                             |
|     |          |                                             |
|     |          |                                             |





OTHER NON-ERODIBLE FOR WATER DIVERSION

PROVIDE DEWATERING DEVICE AS NECESSARY

- PROVIDE SANDBAG OR OTHER NON-ERODIBLE MATERIAL FOR WATER DIVERSION