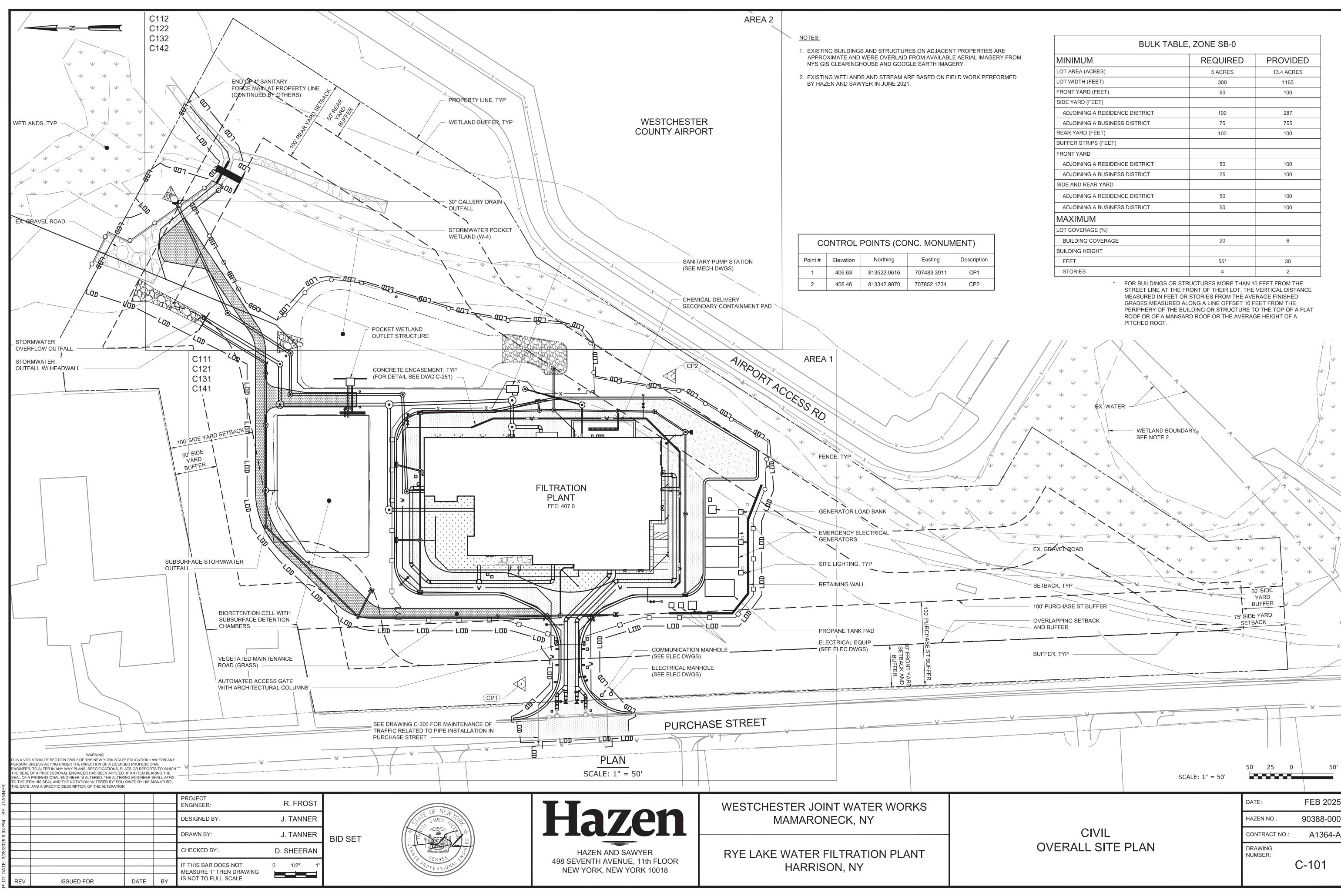
G	ENERAL NOTES:	_			
1.	SITE INFORMATION TAK MOTTARELLA, PE, LS, PC, D			SURVEY CONDUCTED BY GEORGE J.	
2.	SYSTEM, EAST ZONE, BAS	ED ON TH	E NORT	HE NEW YORK STATE PLANE COORDINATE H AMERICAN DATUM OF 1983 (NAD 83). ORTH AMERICAN VERTICAL DATUM OF 1988	
3.	CONSTRUCTION ACTIVITIES DIMENSIONS WHERE NEW	5. CONTRAC WORK WI	CTOR S	IONS BEFORE COMMENCEMENT OF ANY HALL VERIFY EXISTING ELEVATIONS AND CH EXISTING. DISCREPANCIES SHALL BE INEER FOR RESOLUTION PRIOR TO THE	
4.				SSARY PERMITS FROM THE APPROPRIATE NCIES HAVING JURISDICTION PRIOR TO	
5.	VEGETATION, STRUCTURES REMOVED. ANY DAMAGE TO	, AND UTI EXISTING F	LITIES PAVEMEI	DAMAGE TO EXISTING PAVEMENT, TREES, NOT INDICATED TO BE DEMOLISHED OR IT, TREES, VEGETATION, STRUCTURES, AND OR REMOVED SHALL BE REPAIRED AT THE	
6.	AND SITE SURVEY. IT IS T LOCATION AND TO AVOID SAFELY NEW YORK AT PHON UTILITY LOCATION MARK-OU (10) WORKING DAYS PRIOR CONTRACTOR SHALL ALSO	THE CONTRA DAMAGE T E NUMBER 8 JT AT LEAST TO BEGINN CONTACT A WITH UTI	ACTOR'S O THEM B11 OR 1 TWO (1 NING EX AND REC LITIES	LE GIS INFORMATION, RECORD DRAWINGS, RESPONSIBILITY TO VERIFY THEIR EXACT . THE CONTRACTOR SHALL CONTACT DIG -800-962-7962 TO REQUEST UNDERGROUND 2) WORKING DAYS BUT NO MORE THAN TEN CAVATION, INCLUDING SOIL DRILLING. THE QUEST UTILITY LOCATION MARK-OUT FROM ON THE PROJECT SITE THAT ARE NOT	
7.	THE POLE(S) WILL BE REQUI	IRED, THE CO K. IT WILL	ONTRAC BE THE	OF UTILITY POLES, SUCH THAT SUPPORT OF FOR SHALL BE RESPONSIBLE FOR NOTIFYING RESPONSIBILITY OF THE CONTRACTOR TO OF THE POLE.	
8.		CTIVITIES T	O DETE	CONTRACTOR MUST CONTACT THE UTILITY RMINE THE MINIMUM REQUIRED EQUIPMENT STRENGTH.	
9.	SHALL COMPLY WITH ALL A LIMITED TO 29 CFR 1926 S REGULATIONS, AND SHALL SHORING AND/OR BRACING	APPLICABLE SUBPART P E L SUBMIT T G DESIGNS	SAFETY EXCAVA ⁻ O THE E , PREPA	EMENT OF UTILITIES THE CONTRACTOR REGULATIONS, INCLUDING BUT NOT TONS AND NYS CR 753 DIG SAFELY NY NGINEER FOR APPROVAL SHEET PILING, RED BY A PROFESSIONAL ENGINEER MAY BE NECESSARY TO COMPLY WITH	
10.	THROUGH AN APPROVED	SEDIMENT N ACCORDA	FILTER	OPERATIONS SHALL BE DISCHARGED SING DEVICE TO AN ENVIRONMENTALLY TH THE CONTRACT DOCUMENTS, OR AS	
11.		ENT FACILI		TO THE SAME HEALTH AND SAFETY SPECIFIED IN THE CONTRACT DOCUMENTS	
12.	-	REMOVE AN		OSE OF ALL DEBRIS GENERATED DURING TTED DISPOSAL FACILITY.	
13.	IRONS, MONUMENTS, OTH CONSTRUCTION STAKES. A	HER PERMA A STATE OF SHALL REPL	NENT F NEW YO ACE PRO	TO SAVE AND MAINTAIN ALL PROPERTY POINTS AND LINES OF REFERENCE AND ORK REGISTERED LAND SURVEYOR AT THE OPERTY IRONS, MONUMENTS, AND OTHER ED BY THE CONTRACTOR.	
14.	CONTRACTOR IS REQUIRE	d to utili	ZE HAN	D DIGGING OR HYDROEXCAVATION TO A OUND UTILITIES ARE PRESENT.	
				SYMBOLS	N
				TP-1 TEST BORING LOCATIO	
				B-3 SOIL BORING LOCATIO	
					NT
				YARD VALVE	
				P SUMP PUMP	
	WARNING			PST PORTABLE SEDIMENT	TANK
RSON, UNL GINEER, TC E SEAL OF AL OF A PR THE ITEM I	ION OF SECTION 7209.2 OF THE NEW YORK STA ESS ACTING UNDER THE DIRECTION OF A LICEM) ALTER IN ANY WAY PLANS, SPECIFICATIONS, F A PROFESSIONAL ENGINEER HAS BEEN APPLIE OFESSIONAL ENGINEER IS ALTERED, THE ALTE HIS SEAL AND THE NOTATION "ALTERED BY" FO ID A SPECIFIC DESCRIPTION OF THE ALTERATIC	NSED PROFESSION PLATS OR REPORT D. IF AN ITEM BEAF RING ENGINEER SI LLOWED BY HIS SI	IAL S TO WHICH RING THE HALL AFFIX	INLET PROTECTION	
				PROJECT ENGINEER: R. FRO	DST
				DESIGNED BY: J. TANN	IER
				DRAWN BY: J. TANN	IER BID SET
				CHECKED BY: D. SHEEP	_
				IF THIS BAR DOES NOT 0 1/2" MEASURE 1" THEN DRAWING	1"
REV	ISSUED FOR	DATE	BY	IS NOT TO FULL SCALE	

ABBREVIATIONS								
ACF	ANNUAL CHANCE FLOOD	FP	FIRE PROTECTION	OF	OVERFLOW	SAN	SANITARY DRAIN	
BFV	BUTTERFLY VALVE	FUD	FOUNDATION UNDERDRAIN	OHE	OVERHEAD ELECTRIC	SD	STORM DRAIN	
<u>C</u>	CENTER LINE	G	GAS	R	PROPERTY LINE	SHWT	SEASONALLY HIGH WATER TABLE	
CMP	CORRUGATED METAL PIPE	GD	GALLERY DRAIN	PP	POWER POLE	ТР	TEST PIT	
DIP	DUCTILE IRON PIPE	GV	GATE VALVE	PPE	POLYPROPYLENE	UGE	UNDERGROUND ELECTRIC	
EOP	EDGE OF PAVEMENT	LF	LINEAR FEET	PVC	POLYVINYL CHLORIDE	W	WATER	
FDC	FIRE DEPARTMENT CONNECTION	LOC	LIMITS OF CONSTRUCTION	PW	POTABLE WATER	WCA	WESTCHESTER COUNTY AIRPORT	
FM	FORCE MAIN	LP	LIGHT POLE	RCP	REINFORCED CONCRETE PIPE	WWR	WASHWATER RECYLE	
FOC	FIBER OPTIC CABLE	МН	MANHOLE	RECM	ROLLED EROSION CONTROL MATTING	WWW	WASTE WASHWATER	

						LEGEND			
NEW	DEMO	EXISTING		NEW	EXISTING		NEW	DEMO	EX
		BUILD	ING/STRUCTURE	300	300	CONTOUR	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		$\gamma \sim$
		BITUM	INOUS PAVEMENT	×302.00	302.00 ×	SPOT ELEVATION - PROPERTY LINE		14444444 1661,	₩ —
	<i></i>	CONCR	RETE CURB UTTER	OHE	OHE	- OVERHEAD ELECTRIC			
		CONCR	RETE PAD/PAVING	w	w	- WATER PIPING ELECTRIC DUCTBANK			
		CONCF	RETE SIDEWALK		UGT	UNDERGROUND COMMUNICATION			5
x			LINK FENCE LINE		UGE	UNDERGROUND ELECTRIC			
			RT FENCE LINE	GAS		GAS LINE STORM LINE		++++++++	<i>'\\\\\</i>
	JAMES STREET		Ha	zen		STER JOINT WAT /IAMARONECK, N			
ET	POFESSIONAL	AGIN ER	HAZEN / 498 SEVENTH /	AND SAWYER AVENUE, 11th FLOOR NEW YORK 10018	RYE LAKE	WATER FILTRAT HARRISON, NY		GE	NERA
								I	

ABBREV/IATIONS

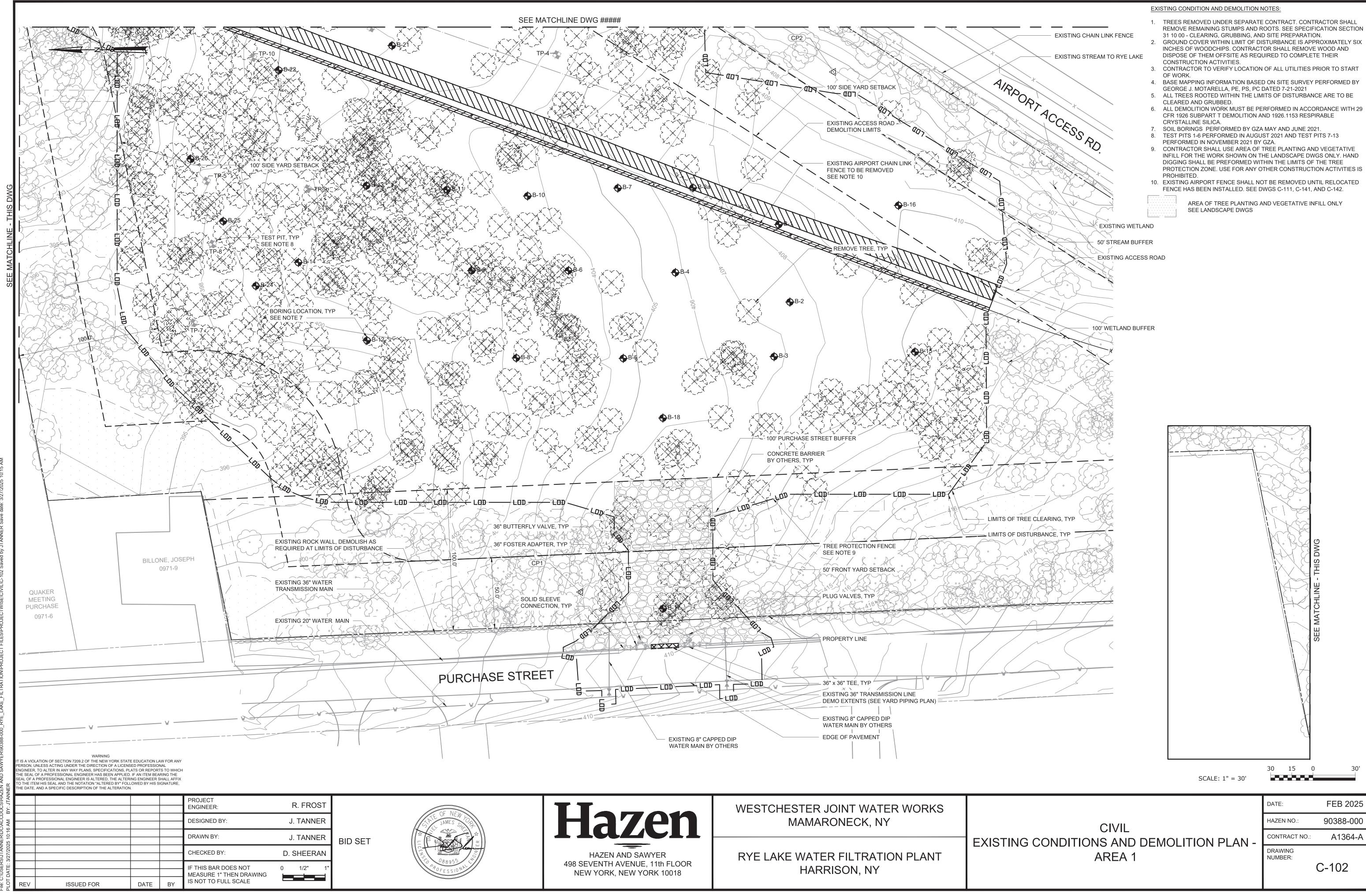
EXISTING					
> ~~~~~	APPROXIMATE WOODLINE		EXISTI	NG DITCH LINE	
*	YARD PIPING		EXISTI	NG WETLAND AREA	ι.
0	MANHOLE		WETLA	ND OR DITCH BUFF	ER
	YARD INLET			IZED OUTLET _T FENCE	
~	FLARED END SECTION		YARD II	NLET PROTECTION	
			GRAVEL ENTRAN	CONSTRUCTION	
	CURB INLET	SF	SILT FE		
<u> </u>	STORM DRAIN LINE	TPF	TREE P	ROTECTION FENCE	
		LOD	LIMITS	OF DISTURBANCE	
				DATE:	FEB 2025
				HAZEN NO.:	90388-000
	CIVIL			CONTRACT NO .:	A1364-A
IERAL NOTE	DRAWING NUMBER:	C-001			

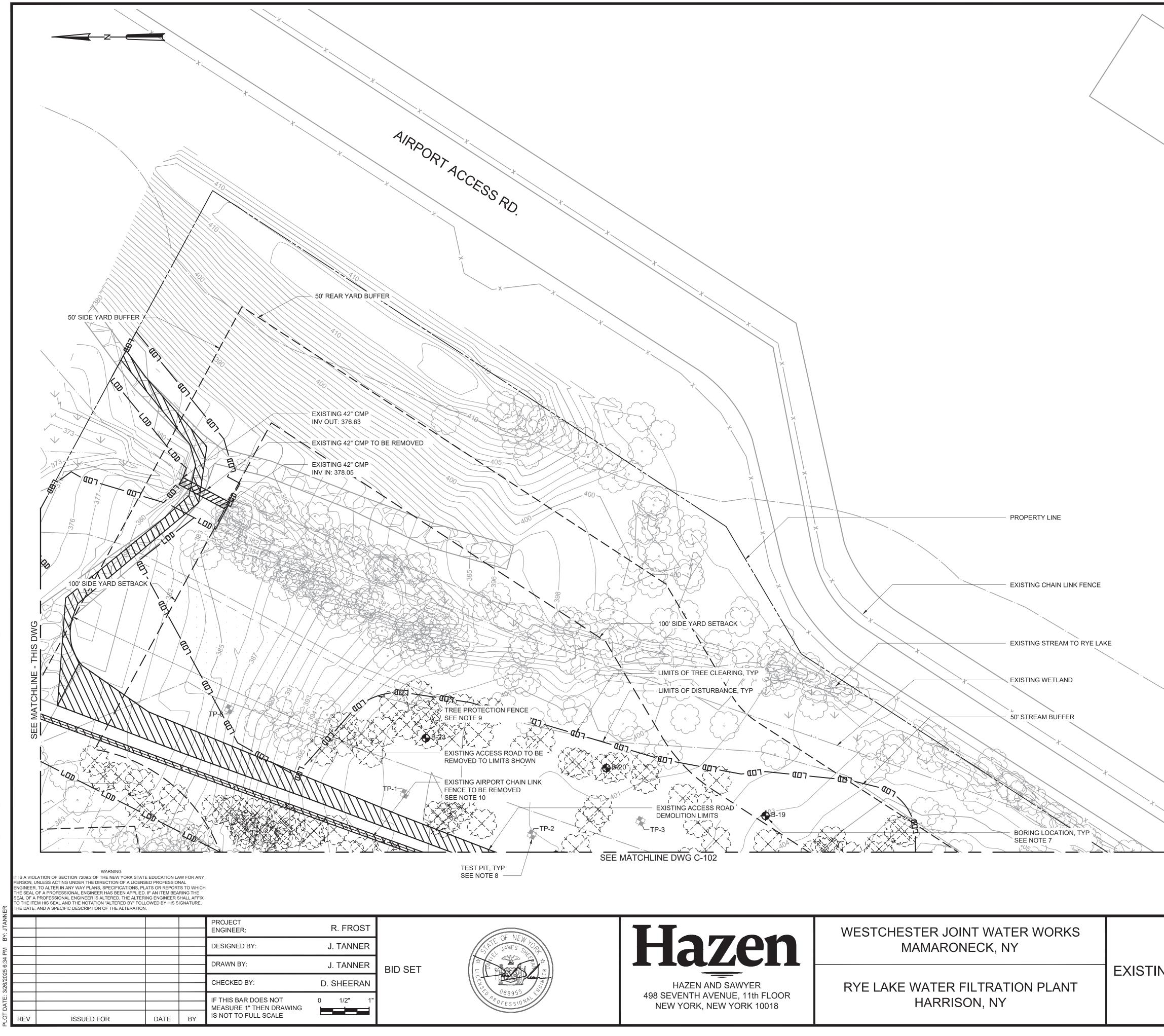


	BULK TAE	LE, ZONE SB-0	
MINIMUM		REQUIRED	PROVIDE
LOT AREA (ACRES)	5 ACRES	13.4 ACRES
LOT WIDTH (FEET)	1	300	1165
FRONT YARD (FEE	T)	50	100
SIDE YARD (FEET)			
ADJOINING A RE	ESIDENCE DISTRICT	100	287
ADJOINING A BU	JSINESS DISTRICT	75	755
REAR YARD (FEET	.)	100	100
BUFFER STRIPS (F	EET)		
FRONT YARD			
ADJOINING A RE	ESIDENCE DISTRICT	50	100
ADJOINING A BU	JSINESS DISTRICT	25	100
SIDE AND REAR Y	ARD		
ADJOINING A RE	ESIDENCE DISTRICT	50	100
ADJOINING A BL	JSINESS DISTRICT	50	100
MAXIMUM			
LOT COVERAGE (9	6)		
BUILDING COVE	RAGE	20	6
BUILDING HEIGHT			
FEET		55*	30
STORIES		4	2

C-101

50'

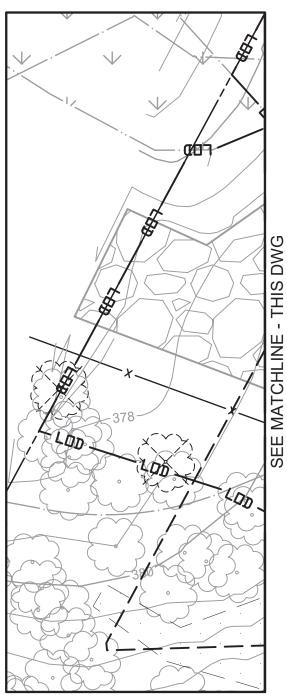




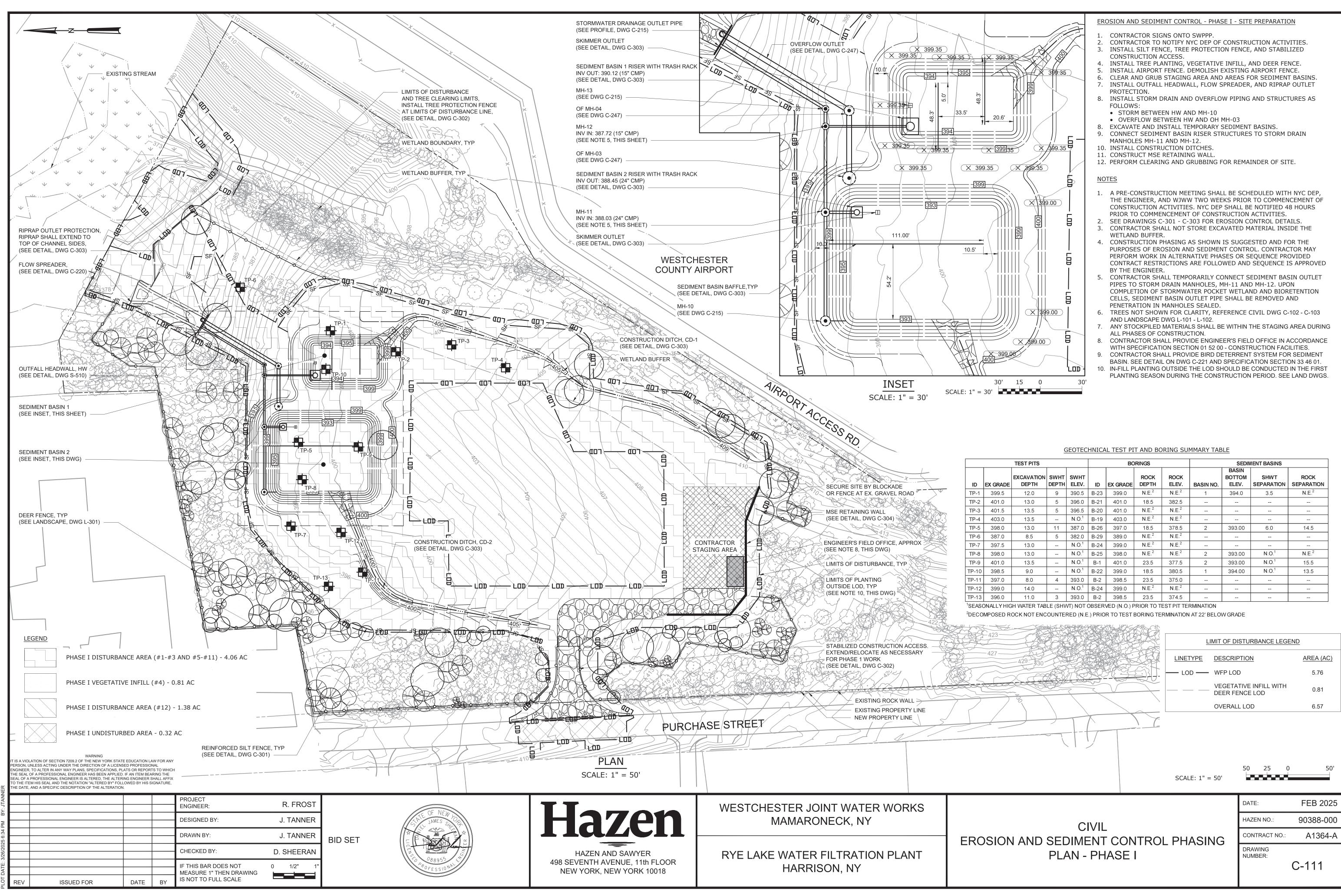
EXISTING CONDITION AND DEMOLITION NOTES:

- 1. TREES REMOVED UNDER SEPARATE CONTRACT. CONTRACTOR SHALL REMOVE REMAINING STUMPS AND ROOTS. SEE SPECIFICATION SECTION
- 31 10 00 CLEARING, GRUBBING, AND SITE PREPARATION. 2. GROUND COVER WITHIN LIMIT OF DISTURBANCE IS APPROXIMATELY SIX INCHES OF WOODCHIPS. CONTRACTOR SHALL REMOVE WOOD AND DISPOSE OF THEM OFFSITE AS REQUIRED TO COMPLETE THEIR
- CONSTRUCTION ACTIVITIES. 3. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO START OF WORK.
- 4. BASE MAPPING INFORMATION BASED ON SITE SURVEY PERFORMED BY
- GEORGE J. MOTARELLA, PE, PS, PC DATED 7-21-2021 5. ALL TREES ROOTED WITHIN THE LIMITS OF DISTURBANCE ARE TO BE CLEARED AND GRUBBED.
- 6. ALL DEMOLITION WORK MUST BE PERFORMED IN ACCORDANCE WITH 29 CFR 1926 SUBPART T DEMOLITION AND 1926.1153 RESPIRABLE CRYSTALLINE SILICA.
- 7. SOIL BORINGS PERFORMED BY GZA MAY AND JUNE 2021.
- 8. TEST PITS 1-6 PERFORMED IN AUGUST 2021 AND TEST PITS 7-13 PERFORMED IN NOVEMBER 2021 BY GZA.
- 9. CONTRACTOR SHALL USE AREA OF TREE PLANTING AND VEGETATIVE INFILL FOR THE WORK SHOWN ON THE LANDSCAPE DWGS ONLY. HAND DIGGING SHALL BE PREFORMED WITHIN THE LIMITS OF THE TREE PROTECTION ZONE. USE FOR ANY OTHER CONSTRUCTION ACTIVITIES IS PROHIBITED.
- 10. EXISTING AIRPORT FENCE SHALL NOT BE REMOVED UNTIL RELOCATED FENCE HAS BEEN INSTALLED. SEE DWGS C-111, C-141, AND C-142.

AREA OF TREE PLANTING AND VEGETATIVE INFILL ONLY SEE LANDSCAPE DWGS

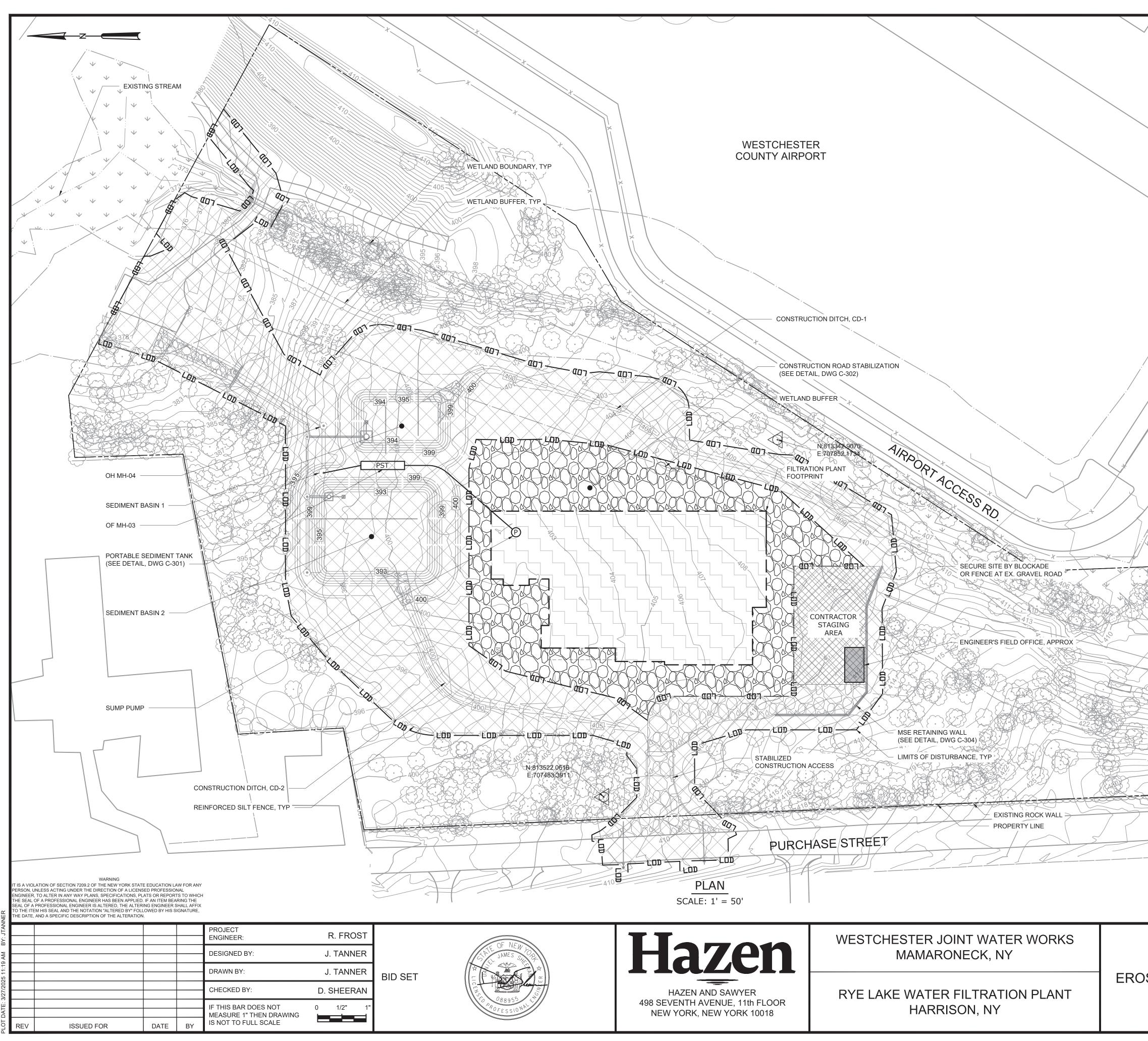


	SCALE: 1" = 30'	30 15 0	30'		
		DATE:	FEB 2025		
CIVIL		HAZEN NO.:	90388-000		
NG CONDITIONS AND DEMOLI	TION PLAN -	CONTRACT NO .:	A1364-A		
AREA 2		DRAWING NUMBER:	C-103		

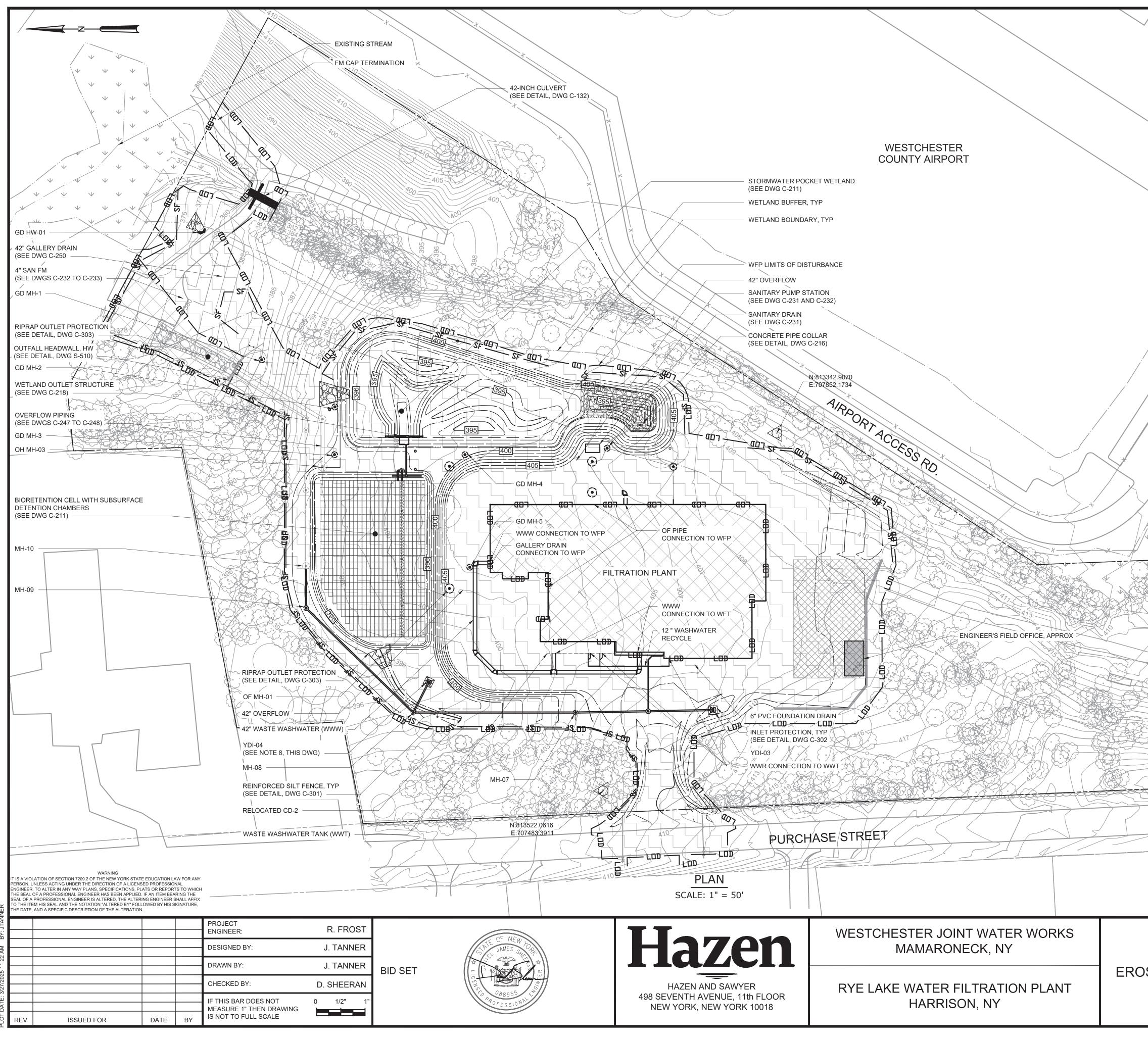


× 399.35
× 399.35
20.6'
× 39935 × 399.35 ×
35 × 299.35
$= 1 \times 1399.00$
´)))))) (X 399.00)
× \$99.00
× 399.00 U
X 399.00
30' 15 0 30'
0'

TEST PITS				BORINGS				SEDIMENT BASINS			
ex grade	EXCAVATION DEPTH	SWHT DEPTH	SWHT ELEV.	ID	EX GRADE	ROCK DEPTH	ROCK ELEV.	BASIN NO.	BASIN BOTTOM ELEV.	SHWT SEPARATION	ROCK SEPARATION
399.5	12.0	9	390.5	B-23	399.0	N.E. ²	N.E. ²	1	394.0	3.5	N.E. ²
401.0	13.0	5	396.0	B-21	401.0	18.5	382.5				
401.5	13.5	5	396.5	B-20	401.0	N.E. ²	N.E. ²				
403.0	13.5		N.O. ¹	B-19	403.0	N.E. ²	N.E. ²				
398.0	13.0	11	387.0	B-26	397.0	18.5	378.5	2	393.00	6.0	14.5
387.0	8.5	5	382.0	B-29	389.0	N.E. ²	N.E. ²				
397.5	13.0		N.O. ¹	B-24	399.0	N.E. ²	N.E. ²				
398.0	13.0		N.O. ¹	B-25	398.0	N.E. ²	N.E. ²	2	393.00	N.O. ¹	N.E. ²
401.0	13.5		N.O. ¹	B-1	401.0	23.5	377.5	2	393.00	N.O. ¹	15.5
398.5	9.0		N.O. ¹	B-22	399.0	18.5	380.5	1	394.00	N.O. ¹	13.5
397.0	8.0	4	393.0	B-2	398.5	23.5	375.0				
399.0	14.0		N.O. ¹	B-24	399.0	N.E. ²	N.E. ²				
396.0	11.0	3	393.0	B-2	398.5	23.5	374.5				



	EROSION AND SEDIMENT CONTROL - PHAS	SE II - EXCAVATION AND	
	 CONSTRUCT STABILIZED ACCESS ROA EXCAVATION FOR WATER FILTRATION MOBILIZE AND INSTALL CONSTRUCTION PERFORM EXCAVATION AND DEWATER AND WASTE WASHWATER TANKS. CONSTRUCT WFP BUILDING TIE DOWN WASHWATER TANKS. BACKFILL AND ESTABLISH SUBGRADE ESTABLISHING SUBGRADE, PERFORM SI MEASURES. RE-ROUTE CONSTRUCTION DITCHES (O DIVERSIONS) TO SEDIMENT BASINS A ACCOMMODATE ESTABLISHMENT OF SI RUNOFF TO SEDIMENT BASINS. 	PLANT (WFP). ON DEWATERING SYSTEM ING ACTIVITIES FOR TH IS, FOUNDATION, AND V AROUND WFP. PRIOR TO SOIL RESTORATION OR PROVIDE TEMPORAR S NECESSARY TO	M. E WFP VASTE D Y
	NOTES		
	 WORK PERFORMED IN PRIOR PHASE(S PROVIDE CLARITY AND DEFINITION OF THIS PHASE. SCREENED LINE WORK R AND WORK PERFORMED ON PRIOR PHA SERIES OF DRAWINGS. SEE DWGS C-301 - C-303 FOR EROSIC CONTRACTOR SHALL NOT STORE EXCA WETLAND BUFFER. CONSTRUCTION PHASING AS SHOWN PURPOSES OF EROSION AND SEDIMEN MAY PERFORM WORK IN ALTERNATIVE PROVIDED CONTRACT RESTRICTIONS A SECONDER IS APPROVIDED BY THE ENDED 	WORK TO BE PERFORM EPRESENTS BOTH EXIST ASES ON THESE PHASIN NO CONTROL DETAILS. VATED MATERIAL INSID IS SUGGESTED AND FOR T CONTROL. CONTRACT PHASES OR SEQUENCE ARE FOLLOWED AND	TING G PE THE & THE
	SEQUENCE IS APPROVED BY THE ENGI 5. SUMP PUMP, PORTABLE SEDIMENT TAM PIPING/HOSES ARE SHOWN AS SCHEM AND TO DEMONSTRATE DISCHARGE PO DEWATERING EFFLUENT FLOWS. CONT RESPONSIBLE TO PROVIDE ALL EQUIPI NECESSARY TO PERFORM CONSTRUCT THEIR ASSOCIATED MEANS AND METH SUBMIT DEWATERING PLAN IN ACCOR SPECIFICATIONS. LEGEND	IK, AND ASSOCIATED ATIC FOR PERMITTING I DINTS FROM CONSTRUC RACTOR IS SOLELY MENT AND MATERIALS ION ACTIVITIES IN THE ODS. CONTRACTOR SHA	TION DRY BY
	PHASE II DISTURBANCE ARE	A (#1) - 1.03 AC	
	PHASE II DISTURBANCE ARE	A (#2-#6) - 0.87 AC	
	PHASE II UNDISTURBED ARE	EA - 3.87 AC	
		50 25 0	50'
	SCALE: 1" = 50'		
			EB 2025 388-000
CIVIL SION AND SEDIMENT	CONTROL PHASING		A1364-A
PLAN - PHA		DRAWING NUMBER: C-1	12



- EROSION AND SEDIMENT CONTROL PHASE III STORMWATER SMP'S AND YARD PIPING 1. INSTALL STORM DRAIN PIPING AND STRUCTURES (BETWEEN MH-09 TO YDI-03, INCLUDING YDI-4) TO ACCOMMODATE DISCHARGE FROM DETENTION CHAMBERS AND STORMWATER WETLAND.
- 2. REPLACE EXISTING 42-INCH CULVERT. 3. INSTALL SANITARY FORCE MAIN, OVERFLOW, WASHWATER RECYCLE (WWR), WASTE WASHWATER (WWW), AND GALLERY DRAIN AND ASSOCIATED STRUCTURES IN THE FOLLOWING SEQUENCE:
- SANITARY FORCE MAIN: BETWEEN CAP TERMINATION TO SANITARY PUMP STATION
- OVERFLOW: BETWEEN STRUCTURES OF MH-03 TO ALL WFP CONNECTION POINT
- WWR: WFP TO WFP
- WWW: WFP TO WWT
- GALLERY DRAIN: BETWEEN STRUCTURES GD HW-1 TO WFP
- 4. INSTALL SANITARY PUMP STATION AND CONNECT SANITARY DRAIN FROM THE WFP. 5. EXCAVATE SEDIMENT BASIN 2 FOR SUBSURFACE DETENTION CHAMBERS. EXCAVATE FROM EAST TO WEST DIRECTION TO MAINTAIN DRAINAGE PATH. CONNECT CHAMBER SYSTEM TO STORM DRAINAGE PIPING NETWORK INSTALLED IN #1 ABOVE.
- 6. INSTALL BIORETENTION SOIL MEDIA AND STABILIZE AREAS AROUND THE BIORETENTION. 7. UPON COMPLETION OF CHAMBERS AND STABILIZATION OF BIORETENTION, INSTALL OVERFLOW STRUCTURE FOR STORMWATER WETLAND.
- 8. EXCAVATE SEDIMENT BASIN 1 AND GRADE STORMWATER WETLAND FROM OUTFALL STRUCTURE BACK TO THE CONCRETE PIPE COLLAR.
- 9. FURNISH LANDSCAPING WITHIN STORMWATER WETLAND AND PROVIDE TEMPORARY STABILIZATION MEASURES.

NOTES

- WORK PERFORMED IN PRIOR PHASE(S) HAS BEEN SCREEN TO PROVIDE CLARITY AND DEFINITION OF WORK TO BE PERFORMED IN THIS PHASE. SCREENED LINE WORK REPRESENTS BOTH EXISTING AND WORK PERFORMED ON PRIOR PHASES ON THESE PHASING SERIES OF DRAWINGS.
- 2. SEE DRAWINGS C-301 C-303 FOR EROSION CONTROL DETAILS.
- 3. SEE YARD PIPING DRAWINGS C-131 TO C-132 FOR TRANSMISSION MAINS, WATER MAIN, SANITARY FORCE MAIN, GALLERY DRAIN, OVERFLOWS, PROCESS PIPING, AND ELECTRICAL DUCT BANKS.
- 4. SEE GRADING AND DRAINAGE PLAN DRAWINGS C-121 TO C-122 FOR STORM DRAIN PIPING. CONTRACTOR SHALL NOT STORE EXCAVATED MATERIAL INSIDE THE WETLAND BUFFER. CONSTRUCTION PHASING AS SHOWN IS SUGGESTED AND FOR THE PURPOSES OF EROSION AND SEDIMENT CONTROL. CONTRACTOR MAY PERFORM WORK IN ALTERNATIVE PHASES OR SEQUENCE PROVIDED CONTRACT RESTRICTIONS ARE FOLLOWED AND SEQUENCE IS APPROVED BY THE ENGINEER.
- 7. PRIOR TO CONSTRUCTION OF THE SUBSURFACE DETENTION CHAMBERS, BIORETENTION CELLS, AND STORMWATER POCKET WETLAND THE CONTRACTOR SHALL:
- A. REMOVE ACCUMULATED SEDIMENT FROM THE SEDIMENT BASINS AND DISPOSE OF
- OFFSITE. B. PROVIDE PORTABLE SEDIMENT TANKS WITH SUMP PUMPS TO CONVEY RUNOFF ENTERING EXCAVATIONS DURING CONVERSION OF SEDIMENT BASINS TO FINAL STORMWATER CHAMBERS, BIORETENTION CELLS, AND WETLAND. DISCHARGE EFFLUENT FLOWS FROM TANKS TO THE STORM DRAIN NETWORK DISCHARGING TO THE HW.
- C. INSTALL STORM DRAIN PIPING AND STRUCTURES AS SHOWN ON DWG C-215.
- D. CONTRACTOR SHALL MAINTAIN SEDIMENT BASIN OUTLETS AND SKIMMERS UNTIL NEW INFRASTRUCTURE TO STORMWATER OUTLET RUNOFF IS INSTALLED. E. CONTRACTOR SHALL RELOCATE CONSTRUCTION DITCH AS NECESSARY TO MAINTAIN
- FLOWS TO SEDIMENT BASINS AS STORM DRAIN PIPING AND STRUCTURES ARE INSTALLED. 8. PLUG PIPE INSIDE INLETS UNTIL STORM DRAIN NETWORK ON-LINE IN PHASE IV.
- 9. ALL YARD INLETS SHALL HAVE INLET PROTECTION PROVIDED UNTIL UPSTREAM CONDITIONS ARE STABILIZED.

LEGEND

PHASE III DISTURBANCE AREA (#1-#9) - 4.72 AC

PHASE III UNDISTURBED AREA - 1.05 AC

HAZEN NO CIVIL CONTRACT NO .: EROSION AND SEDIMENT CONTROL PHASING DRAWING PLAN - PHASE III NUMBER:

C-113

FEB 2025

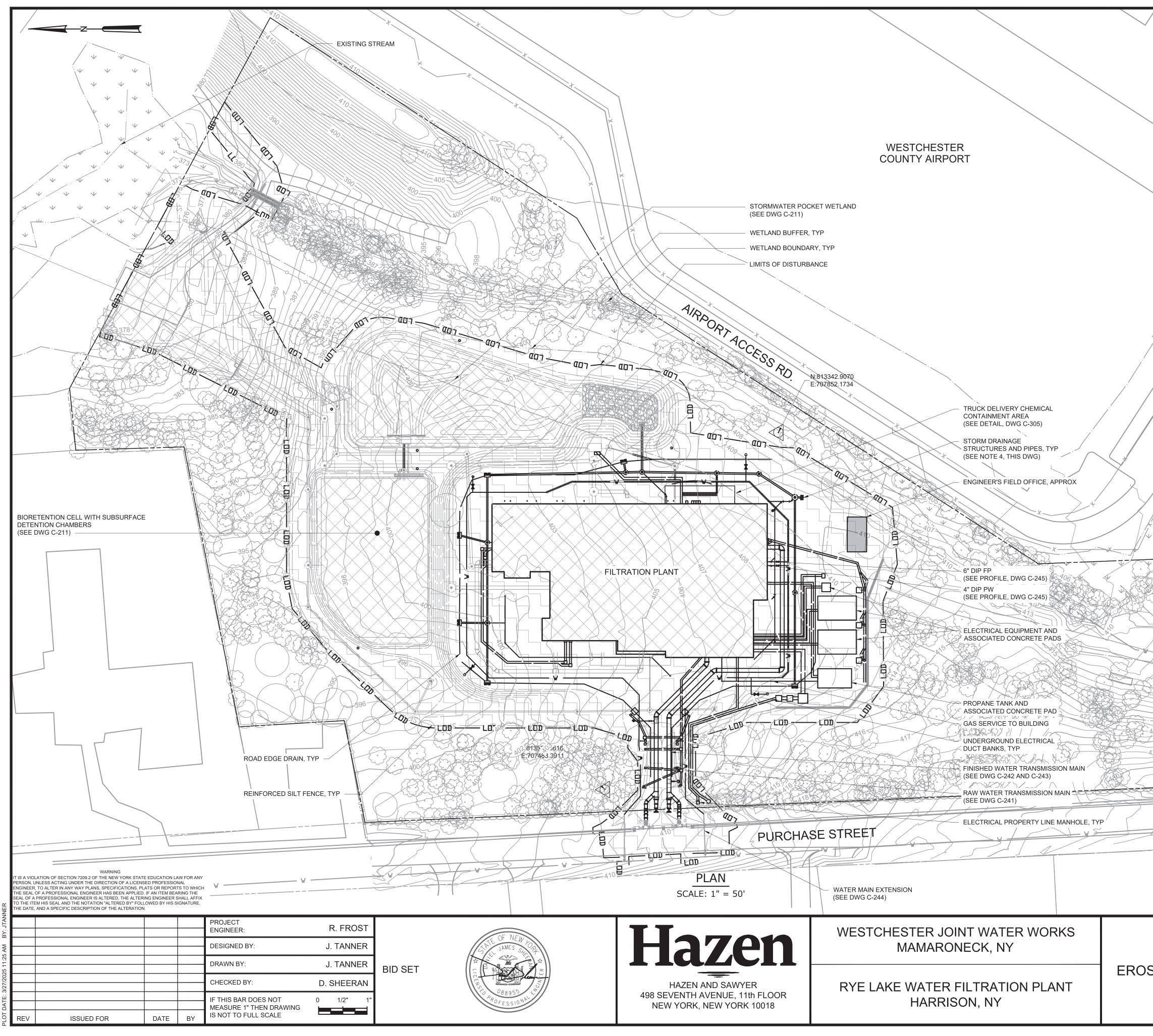
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A1364-A

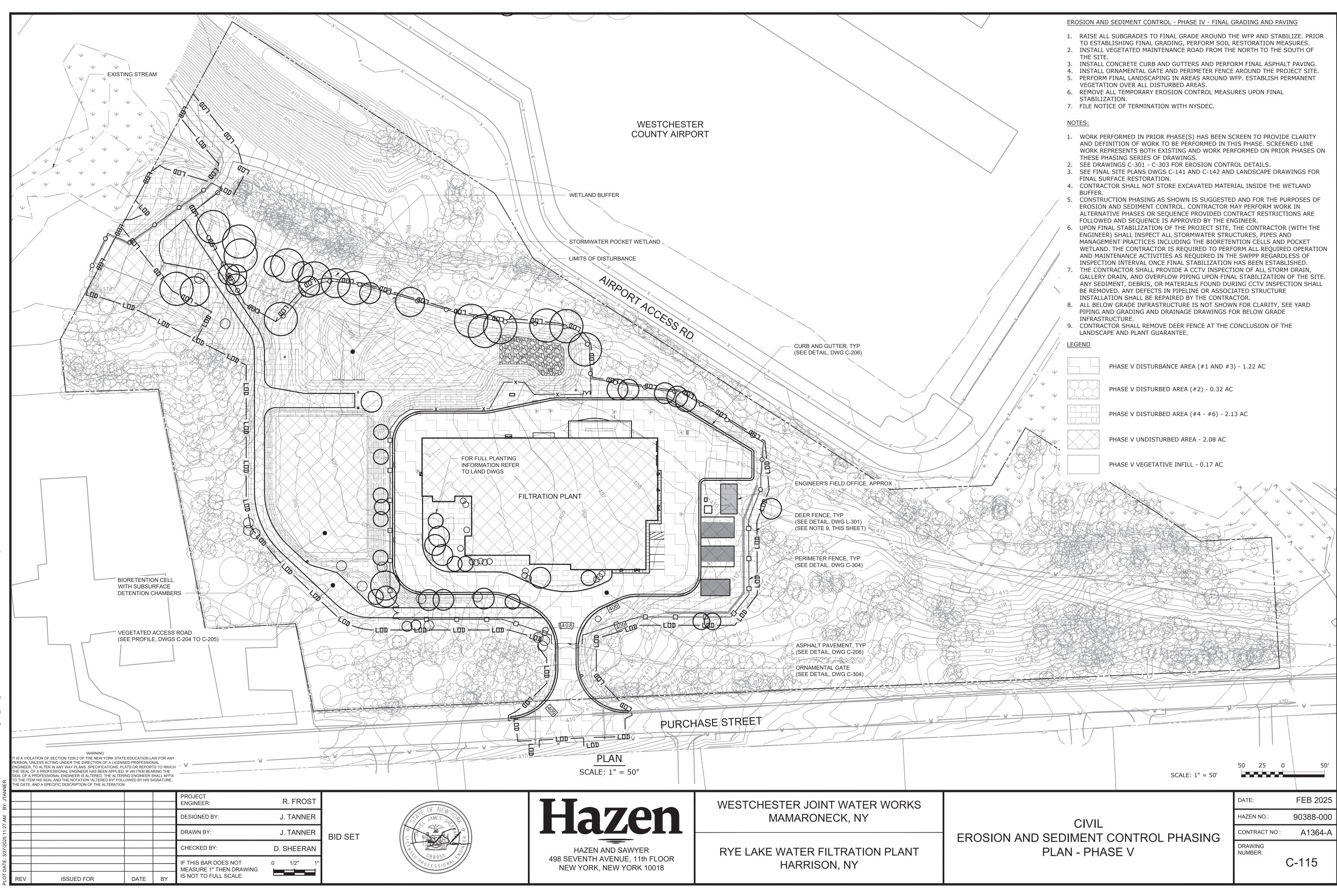
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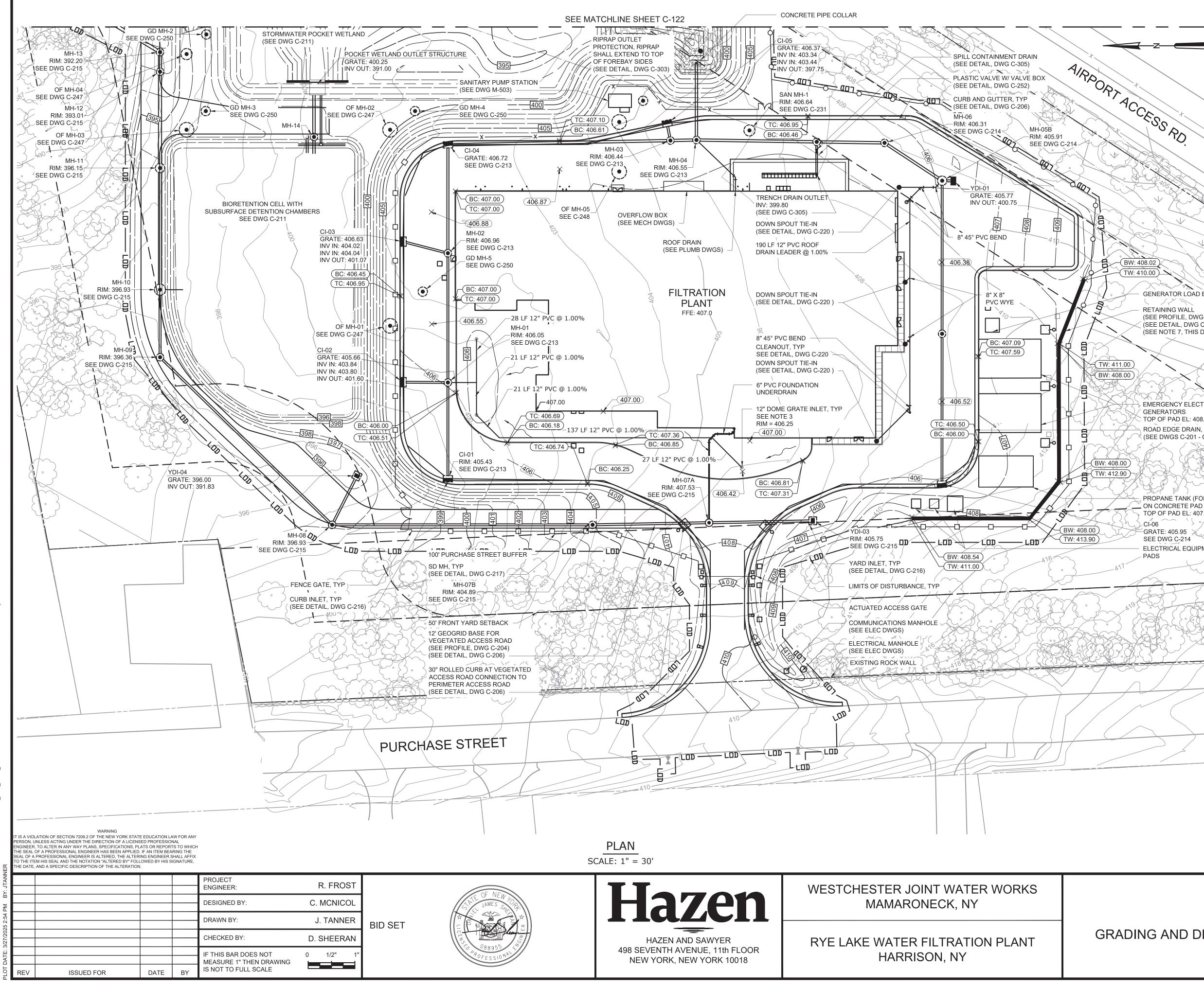


	EROSION AND SEDIMENT CONTROL - PHASE IV TRANSMISSION MAINS, AND ELECTRICAL EQUIP	
	 INSTALL STORM DRAIN NETWORK WITH RO PERIMETER OF WFP. CONSTRUCTION FROM STORMWATER WETLAND AND WORK FROM I THE DRAINAGE NETWORK. REMOVE REMAINING CONSTRUCTION DITCH SUBGRADE/FINAL GRADES AND STABILIZE. PLUGS TO STORM DRAIN STRUCTURES. INSTALL ELECTRICAL DUCT BANKS AND ASS PROPERTY LINE TO EQUIPMENT PADS. CONN BUILDING. INSTALL TRUCK DELIVERY CONTAINMENT AND DRAINAGE PIPING AND TIE INTO STORM DR INSTALL PROPANE TANK AND PROPANE PIPI INSTALL RAW AND FINISHED TRANSMISSIO STREET TO WFP. INSTALL WATER MAIN EXTENSION AND ASS THE PERIMETER OF THE WFP. 	AD EDGE DRAINS AROUND CONCRETE PIPE COLLAR OF DOWNSTREAM TO UPSTREAM IN HES AND GRADE AREAS TO REMOVE ALL TEMPORARY SOCIATED STRUCTURES FROM HECT DUCT BANKS TO WFP REA AND ASSOCIATED AIN SYSTEM. NG FROM TANK TO THE WFP. N MAINS FROM PURCHASE
	NOTES	
	 WORK PERFORMED IN PRIOR PHASE(S) HAS CLARITY AND DEFINITION OF WORK TO BE SCREENED LINE WORK REPRESENTS BOTH E PERFORMED ON PRIOR PHASES ON THESE P DRAWINGS. SEE DRAWINGS C-301 - C-303 FOR EROSIO SEE YARD PIPING DRAWINGS C-131 TO C-1 WATER MAIN, SANITARY FORCE MAIN, GALL PROCESS PIPING, AND ELECTRICAL DUCT B, SEE GRADING AND DRAINAGE PLAN DRAWIN STORM DRAIN PIPING. CONTRACTOR SHALL NOT STORE EXCAVATE WETLAND BUFFER. CONSTRUCTION PHASING AS SHOWN IS SU PURPOSES OF EROSION AND SEDIMENT CON PERFORM WORK IN ALTERNATIVE PHASES O CONTRACT RESTRICTIONS ARE FOLLOWED A BY THE ENGINEER. ALL YARD INLETS SHALL HAVE INLET PROTE UPSTREAM CONDITIONS ARE STABILIZED. 	PERFORMED IN THIS PHASE. EXISTING AND WORK HASING SERIES OF N CONTROL DETAILS. 32 FOR TRANSMISSION MAINS, ERY DRAIN, OVERFLOWS, ANKS. NGS C-121 TO C-122 FOR D MATERIAL INSIDE THE GGESTED AND FOR THE NTROL. CONTRACTOR MAY OR SEQUENCE PROVIDED AND SEQUENCE IS APPROVED
	PHASE III DISTURBANCE AREA (#	1 #7) 2 72 AC
* /// *	TASE III DISTORBANCE AREA (#	I-#7) - 3.73 AC
	PHASE III UNDISTURBED AREA - 2	2.03 AC
		¥ 100 ¥ ¥ ¥
3-415		
423		
	W J W	w
	/	
	SCALE: 1" = 50'	50 25 0 50'
		DATE: FEB 2025
		HAZEN NO.: 90388-000 CONTRACT NO.: A1364-A
SION AND SEDIMEI PLAN - P	NT CONTROL PHASING HASE IV	DRAWING NUMBER: C-114





/	
\checkmark	PHASE V DISTURBANCE AREA (#1 AND #3) - 1.22 AC
\checkmark	PHASE V DISTURBED AREA (#2) - 0.32 AC
\checkmark	PHASE V DISTURBED AREA (#4 - #6) - 2.13 AC
₩	PHASE V UNDISTURBED AREA - 2.08 AC
YE YE	PHASE V VEGETATIVE INFILL - 0.17 AC



SCALE: 1" = 30'	30 15 0 30'
	DATE: FEB 2025
	HAZEN NO.: 90388-000
	CONTRACT NO.: A1364-A
RADING AND DRAINAGE PLAN - AREA 1	DRAWING NUMBER: C-121

NOTES:

M

(TW: 410.00)

1

NY.

GENERATOR LOAD BANK

(SEE PROFILE, DWG C-122)

(SEE DETAIL, DWG C-304)

(SEE NOTE 7, THIS DWG)

EMERGENCY ELECTRICAL

TOP OF PAD EL: 408.00

ROAD EDGE DRAIN, TYP

(SEE DWGS C-201 - C-203)

PROPANE TANK (FOR BOILERS)

ON CONCRETE PAD TOP OF PAD EL: 407.50

-GRATE: 405.95

SEE DWG C-214

ELECTRICAL EQUIPMENT

CI-06

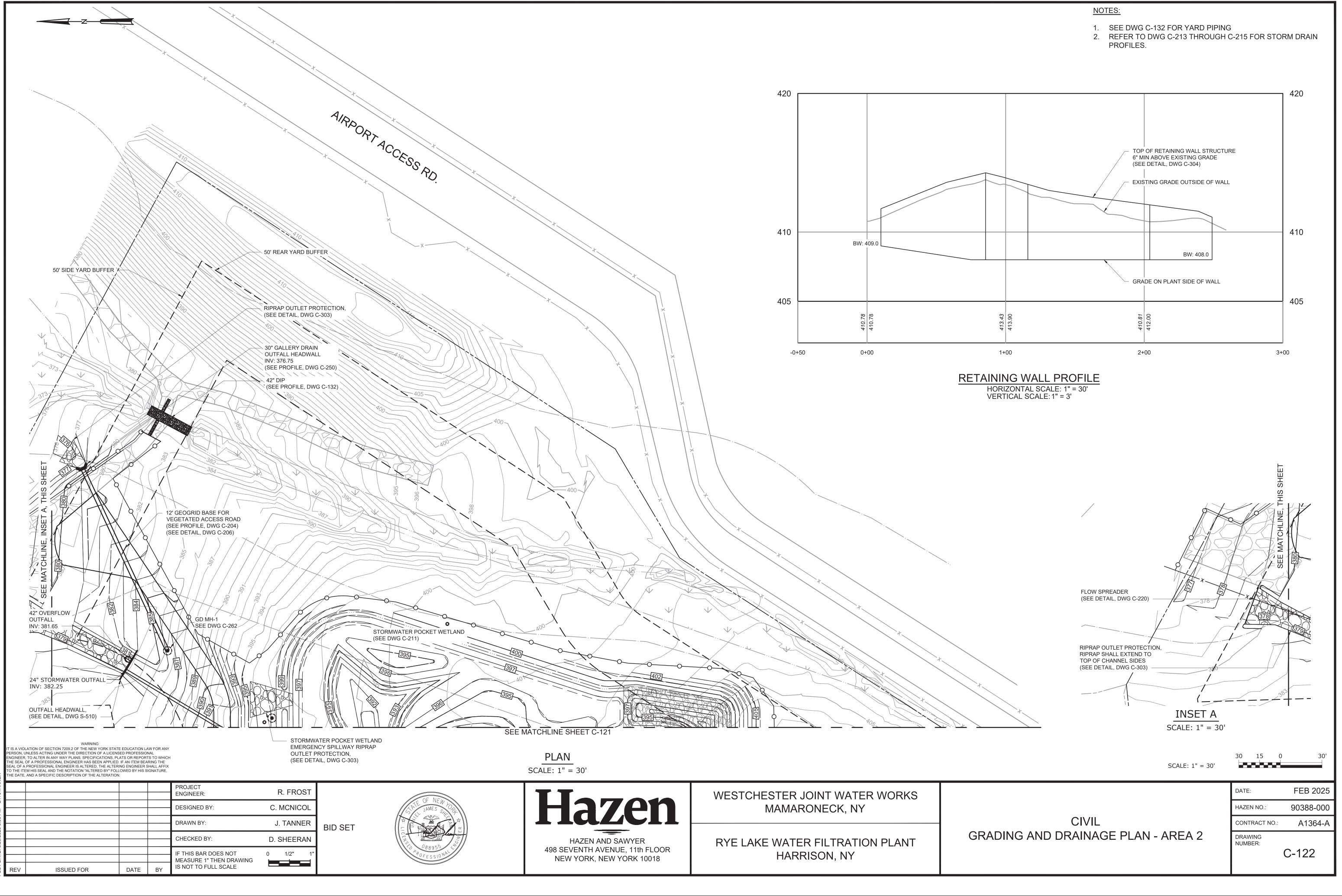
PADS

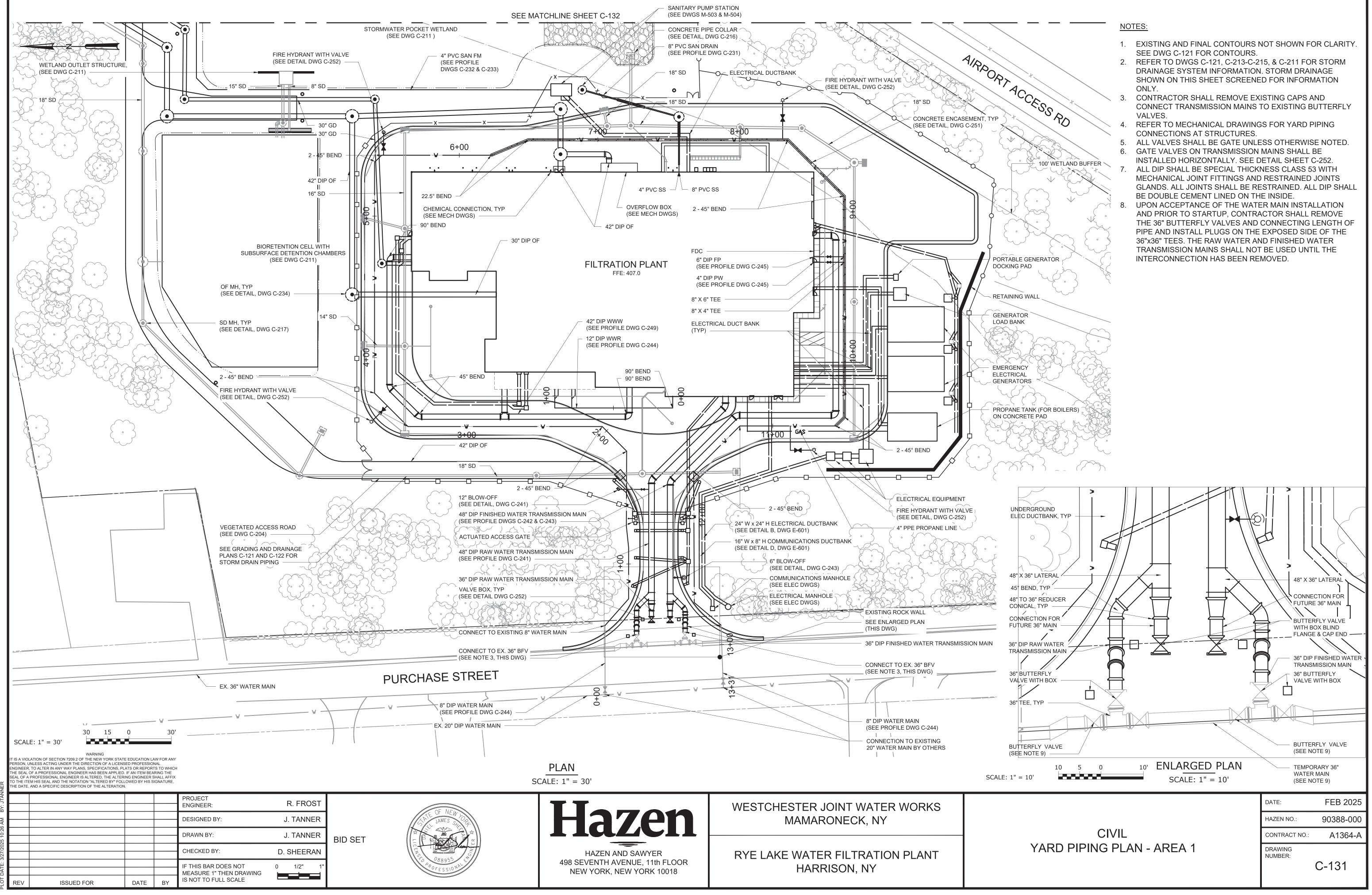
GENERATORS

RETAINING WALL

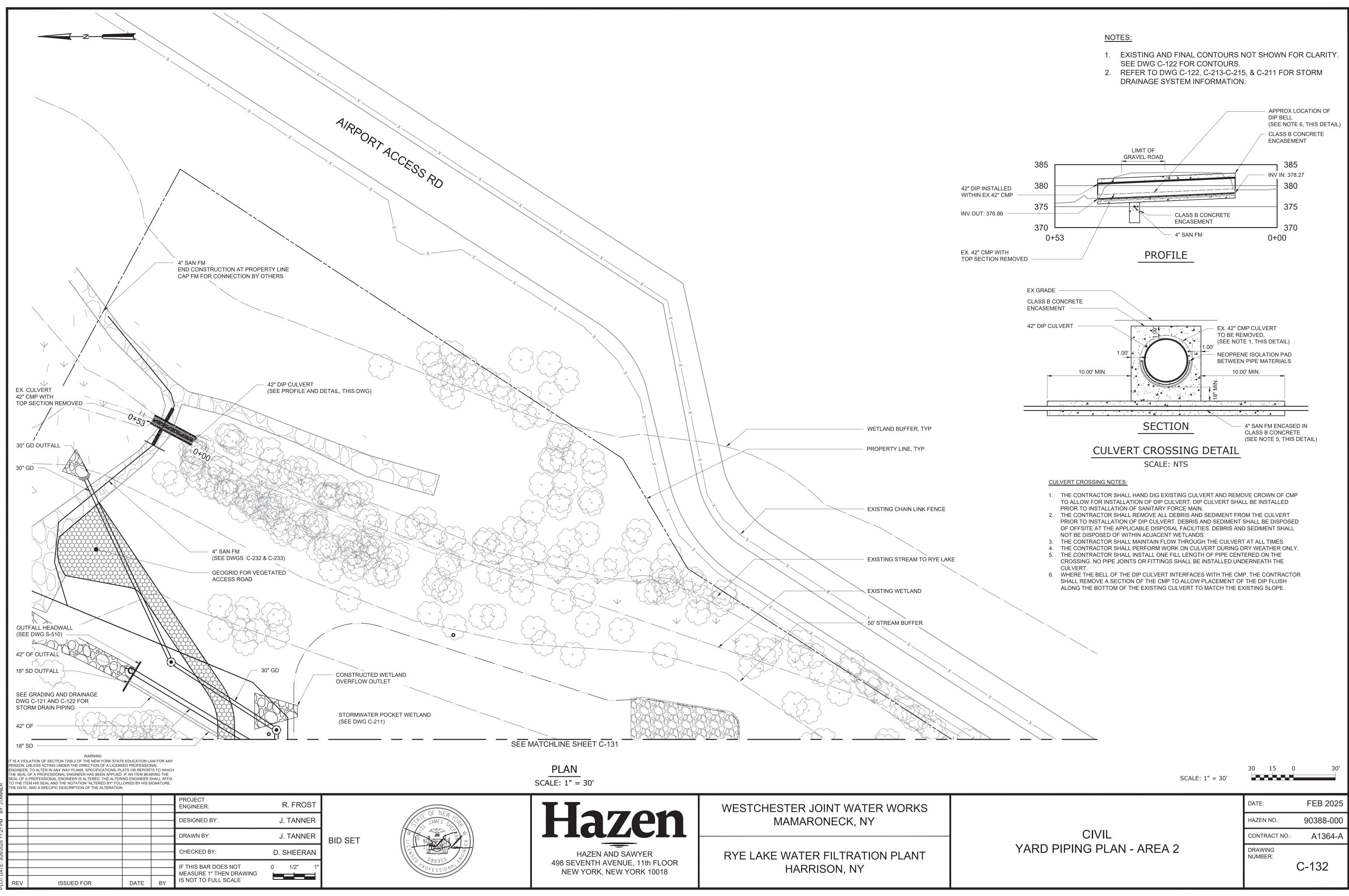
-(BW: 408.02)

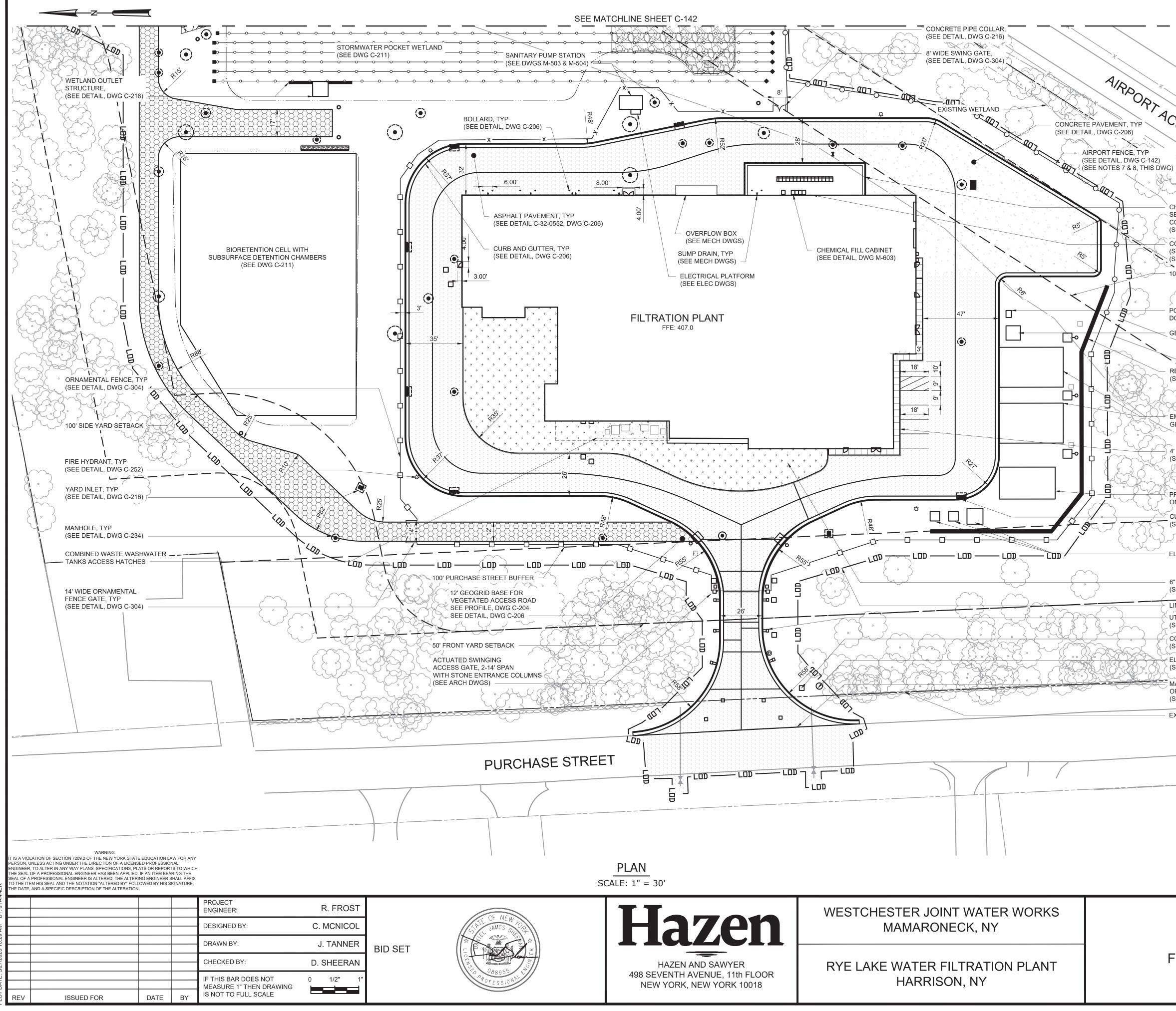
- SEE DWG C-131 FOR YARD PIPING.
- 2. REFER TO DWG C-213 THROUGH C-215 FOR STORM DRAIN PROFILES.
- 3. INLET SHALL CONSIST OF A NYLOPLAST INLINE DRAIN WITH
- 12" DOME GRATE COVER, OR APPROVED EQUAL.
- DIP STORM DRAIN PIPING SHALL BE OF GRADE 70 50 05 4 DUCTILE IRON IN ACCORDANCE WITH ANSI A21.51 (AWWA C151) AND BE LEAKAGE TESTED TO 50 PSI MIN.
- HDPE STORM DRAIN PIPING AND FITTINGS SHALL BE 5. SMOOTH LINED CORRUGATED WATERTIGHT HIGH-DENSITY POLYETHYLENE PIPE, AS MANUFACTURED BY HANCOR, INC., N-12 WT IB (WATERTIGHT) PIPE BY ADS, OR APPROVED EQUAL
- REINFORCED CONCRETE PIPE (RCP) FOR STORM DRAINS SHALL CONFIRM TO ASTM STANDARD C76, CLASS III, WALL THICKNESS B. PIPE JOINTS SHALL BE DESIGNED PER ASTM C-443-19A AND ASTM C-1628-19. PIPE SHALL BE PROVIDED WITH BELL AND SPIGOT ENDS.
- TOP AND BOTTOM OF WALL ELEVATIONS IN PLAN VIEW REPRESENT THE GRADE AT THE TOP AND BOTTOM OF WALL AND NOT THE TOP AND BOTTOM OF THE STRUCTURE. SEE PROFILE ON DWG C-122 AND DETAIL ON DWG C-304.

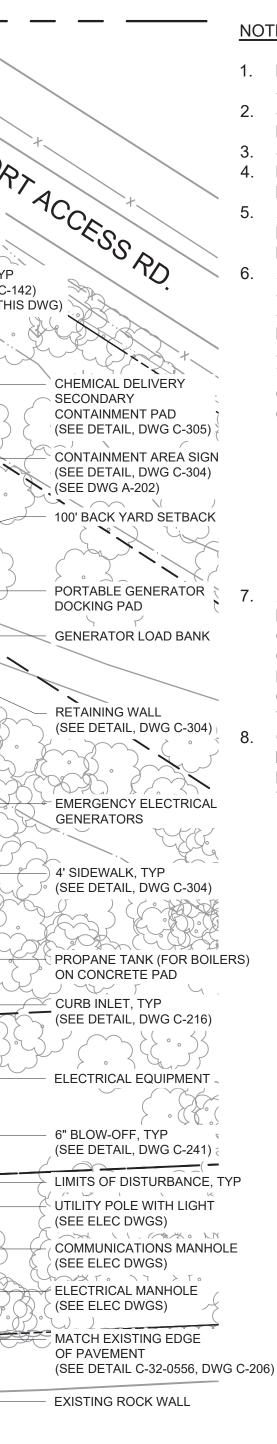




ile: C:/USERS/JTANNER/DC/ACCDOCS/HAZEN AND SAWYER/90388-000_RYE_LAKE_FILTRATION/PROJECT FILES/PROJECTWISE/CIVIL/C-131 Saved by JTANNER Save date: 3/24/2025 2:50 P



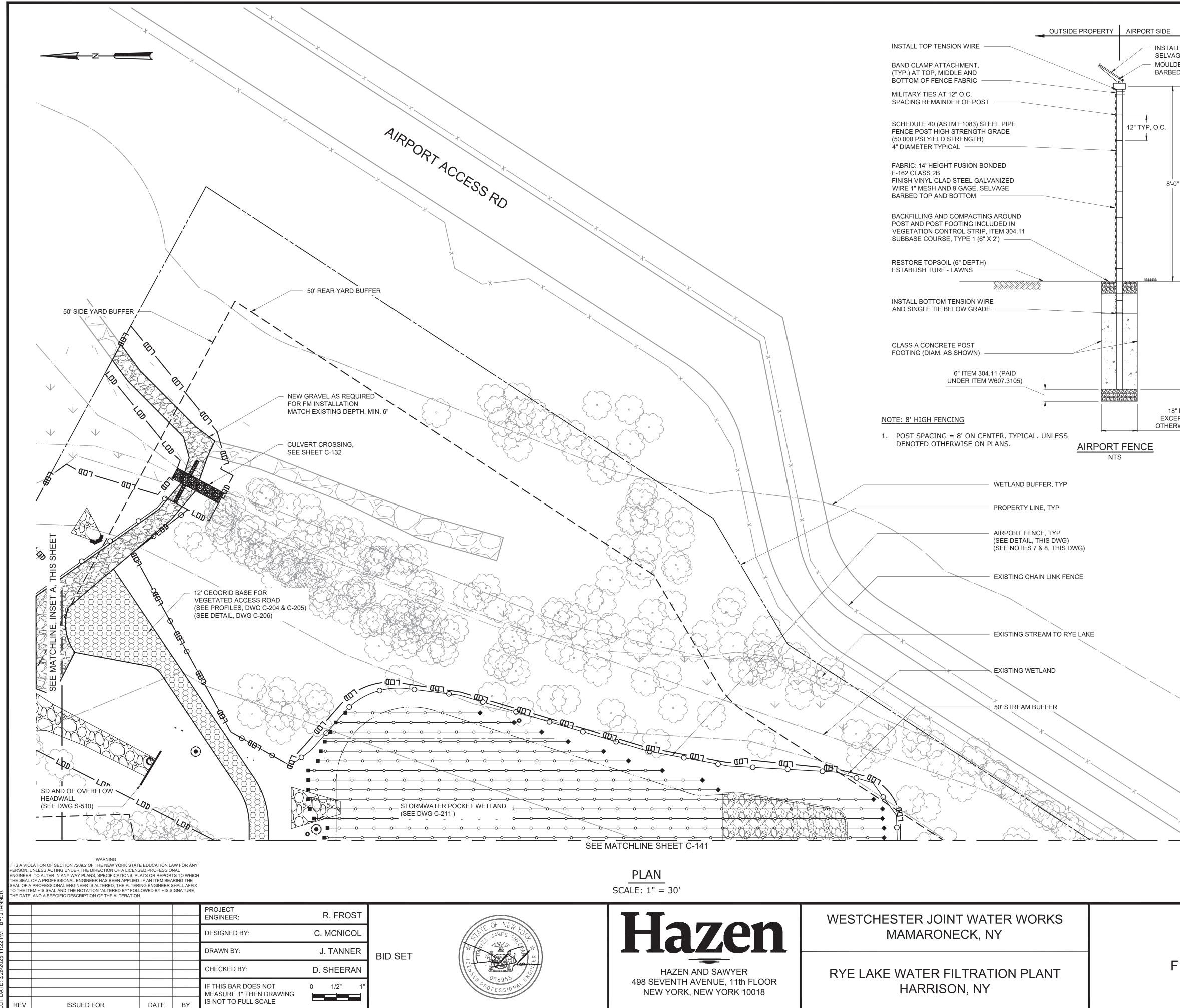




NOTES:

- 1. EXISTING AND FINAL CONTOURS NOT SHOWN FOR CLARITY SEE SHEET C-121 FOR TOPOGRAPHIC INFORMATION.
- 2. SEE SHEET C-121 FOR UNDERGROUND STORMWATER
- PIPING. 3. SEE SHEET C-131 FOR YARD PIPING.
- REFER TO SHEETS C-213 THROUGH C-215 FOR STORM DRAIN PROFILES.
- ALL DISTURBED AREAS THAT ARE NOT PAVED SHALL BE RESTORED BY TOPSOIL AND SEEDING. SEE LANDSCAPE DWGS.
- ALL AREAS DESIGNATED FOR LANDSCAPE RESTORATION SHALL HAVE SOILS RESTORED IN ACCORDANCE WITH THE SOIL RESTORATION TABLE ON DRAWING C-301. SOIL **RESTORATION IS NOT REQUIRED FOR AREAS OF** STRUCTURES, BUILDING, EQUIPMENT PADS, RIP RAP, VEGETATED AND PAVED ROADWAYS. ALL AREAS SHALL BE CONSIDERED AREAS OF CUT OR FILL WITH THE EXCEPTION OF THE FOLLOWING:
- A. THE BIORETENTION CELL SHALL BE CONSIDERED AN AREA OF RUNOFF REDUCTION PRACTICES ARE APPLIED.
- B. THE INFILL AREAS (SEE DWG C-102 AND LANDSCAPE DWGS) SHALL BE CONSIDERED MINIMAL SOIL DISTURBANCE.
- AIRPORT FENCE SHALL BE REVIEWED BY WCA OFFICIALS DURING INITIAL INSTALLATION AND PRIOR TO SUBSTANTIAL COMPLETION. ANY DAMAGE TO THE FENCE DURING THE COURSE OF CONSTRUCTION ACTIVITIES SHALL BE REPLACED AND RESTORED TO THE SATISFACTION OF THE OWNER, ENGINEER AND WCA AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL ASSUME AN ADDITIONAL 50-FEET OF FENCE REPLACEMENT BEYOND WHAT IS SHOWN ON THE DRAWINGS TO ACCOMMODATE FIELD CONDITIONS AND TRANSITION OF EXISTING FENCE TO NEW FENCE

	SCALE: 1" = 30'	30' 15') 30'
		DATE:	FEB 2025
		HAZEN NO.:	90388-000
CIVIL		CONTRACT NO .:	A1364-A
FINAL SITE PLAN - AREA 1		DRAWING NUMBER:	C-141



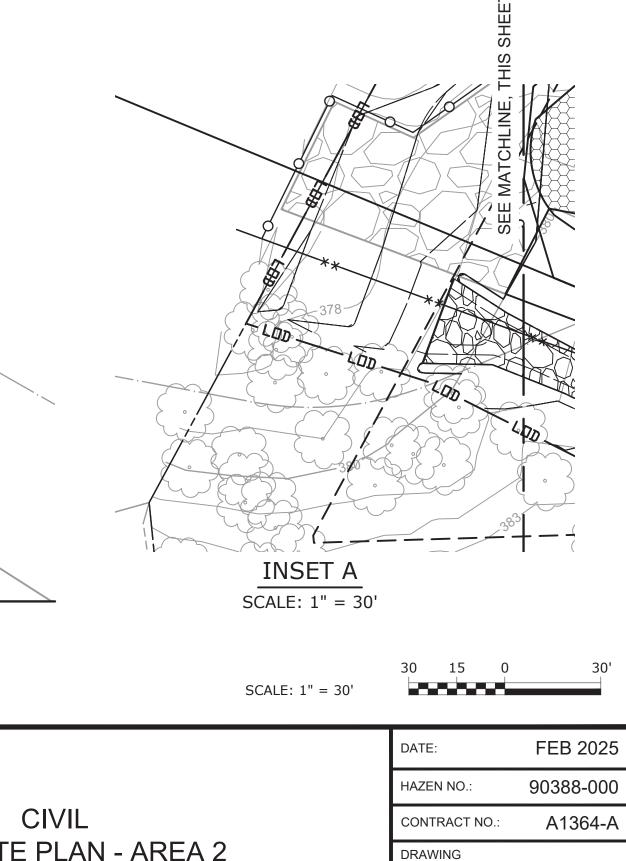
INSTALL 3 STRANDS OF SELVAGE BARBED WIRE MOULDED 3 WIRE BARBED WIRE ARM 15'-0" OVERALL POST LENGTH, TYP. 8'-0"

18" DIAMETER, TYP. EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS

NOTES:

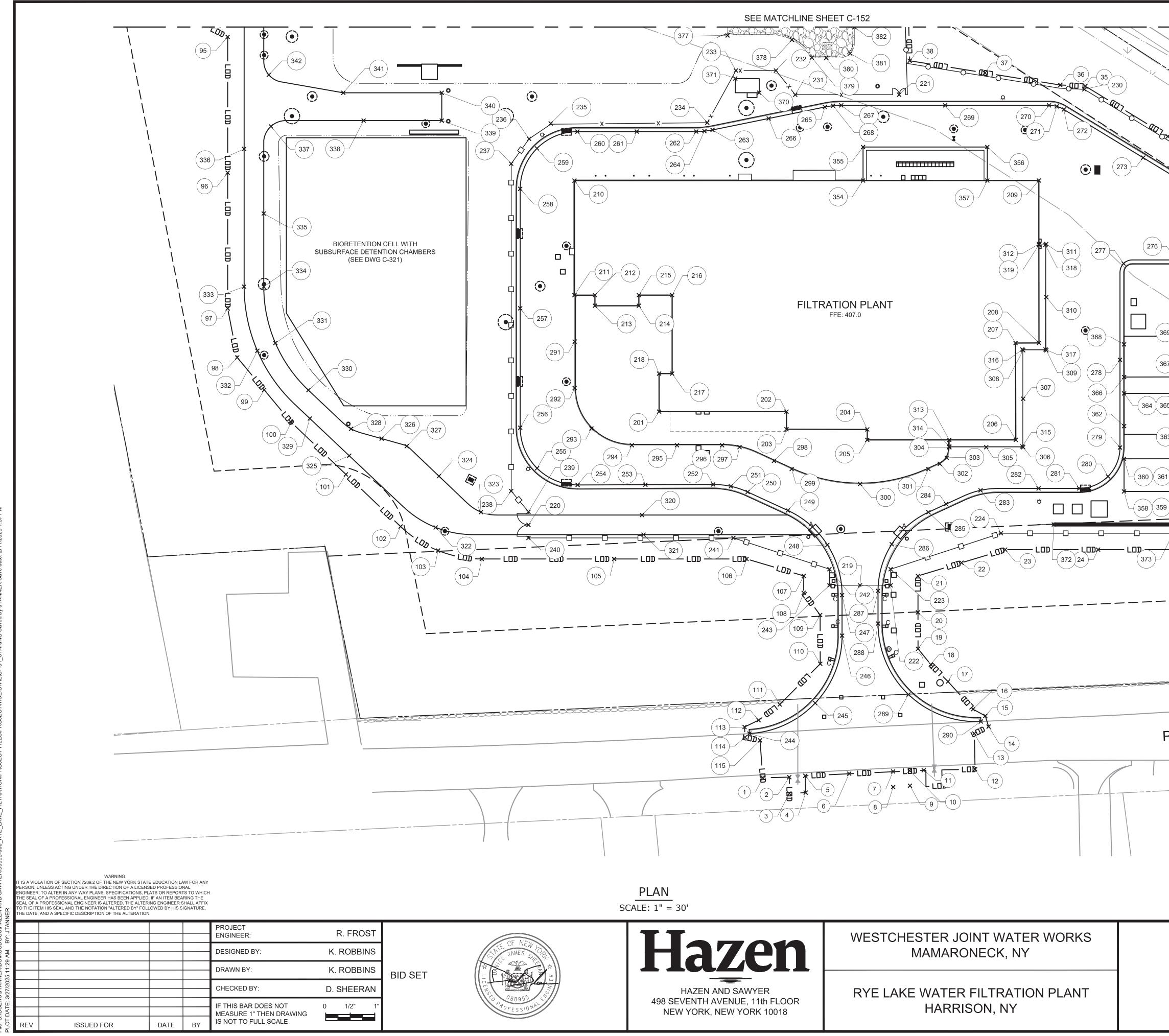
6.

- 1. EXISTING AND FINAL CONTOURS NOT SHOWN FOR CLARITY. SEE SHEET C-121 FOR TOPOGRAPHIC INFORMATION.
- 2. SEE SHEET C-121 FOR UNDERGROUND STORMWATER PIPING.
- 3. SEE SHEET C-131 FOR YARD PIPING.
- 4. REFER TO SHEETS C-213 THROUGH C-215 FOR STORM DRAIN PROFILES.
- 5. ALL DISTURBED AREAS THAT ARE NOT PAVED SHALL BE RESTORED BY TOPSOIL AND SEEDING. SEE LANDSCAPE DWGS.
- ALL AREAS DESIGNATED FOR LANDSCAPE RESTORATION SHALL HAVE SOILS RESTORED IN ACCORDANCE WITH THE SOIL RESTORATION TABLE ON DRAWING C-301. SOIL RESTORATION IS NOT REQUIRED FOR AREAS OF STRUCTURES, BUILDING, EQUIPMENT PADS, RIP RAP, VEGETATED AND PAVED ROADWAYS. ALL AREAS SHALL BE CONSIDERED AREAS OF CUT OR FILL WITH THE EXCEPTION OF THE FOLLOWING:
- A. THE BIORETENTION CELL SHALL BE CONSIDERED AN AREA OF RUNOFF REDUCTION PRACTICES ARE APPLIED.
- B. THE INFILL AREAS (SEE DWG C-102 AND LANDSCAPE DWGS) SHALL BE CONSIDERED MINIMAL SOIL DISTURBANCE.
- 7. AIRPORT FENCE SHALL BE REVIEWED BY WCA OFFICIALS DURING INITIAL INSTALLATION AND PRIOR TO SUBSTANTIAL COMPLETION. ANY DAMAGE TO THE FENCE DURING THE COURSE OF CONSTRUCTION ACTIVITIES SHALL BE REPLACED AND RESTORED TO THE SATISFACTION OF THE OWNER, ENGINEER AND WCA AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL ASSUME AN ADDITIONAL 50-FEET OF 8. FENCE REPLACEMENT BEYOND WHAT IS SHOWN ON THE DRAWINGS TO ACCOMMODATE FIELD CONDITIONS AND TRANSITION OF EXISTING FENCE TO NEW FENCE.



FINAL SITE PLAN - AREA 2

NUMBER:



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AIRPORTACCESS RD		
ANN		
, (34) TCCE		
S S PA		
Delaz		
376		
9		

PURCHASE STREET		
	-	
	SCALE: 1" = 30'	30' 15' 0 30'
	JUNEL, I - JU	
		DATE: FEB 2025
		HAZEN NO.: 90388-000
CIVIL		CONTRACT NO.: A1364-A
STAKING PLAN - AREA 1		DRAWING NUMBER:
		C-151



JTANNER	TO THE IT	A PROFESSIONAL ENGINEER IS ALLERED, THE ALLER EM HIS SEAL AND THE NOTATION "ALTERED BY" FOLL , AND A SPECIFIC DESCRIPTION OF THE ALTERATION	OWED BY HIS S				
BY: JTAN					PROJECT ENGINEER:	R. FROST	
ΡM					DESIGNED BY:	K. ROBBINS	
25 11:23					DRAWN BY:	K. ROBBINS	BID SET
3/26/2025					CHECKED BY:	D. SHEERAN	
DATE: (IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING	0 1/2" 1"	
PLOT	REV	ISSUED FOR	DATE	BY	IS NOT TO FULL SCALE		
_							





WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY

SCALE: 1" = 30'	30 15 0	30'
CIVIL	DATE: HAZEN NO.: CONTRACT NO.:	FEB 2025 90388-000 A1364-A
STAKING PLAN - AREA 2	DRAWING NUMBER:	C-152

	ST	AKING TA	ABLE
POINT #	NORTHING	DESCRIPTION	
1	813521.69	707411.73	LIMIT OF DISTURBANCE
2	813505.45	707412.11	LIMIT OF DISTURBANCE
3	813505.40	707402.11	LIMIT OF DISTURBANCE
4	813495.43	707402.66	LIMIT OF DISTURBANCE
5	813495.71	707412.94	LIMIT OF DISTURBANCE
6	813468.85	707414.26	LIMIT OF DISTURBANCE
7	813441.99	707415.58	LIMIT OF DISTURBANCE
8	813441.92	707406.04	LIMIT OF DISTURBANCI
9	813431.63	707406.87	LIMIT OF DISTURBANCI
10	813431.79	707416.08	LIMIT OF DISTURBANCI
11	813423.20	707416.32	LIMIT OF DISTURBANCI
12	813391.82	707416.95	LIMIT OF DISTURBANCI
13	813392.26	707438.80	LIMIT OF DISTURBANCI
14	813383.54	707443.03	LIMIT OF DISTURBANCI
15	813385.60	707449.57	LIMIT OF DISTURBANCI
16	813393.02	707453.70	LIMIT OF DISTURBANCI
17	813408.38	707470.60	LIMIT OF DISTURBANCI
18	813418.92	707481.05	LIMIT OF DISTURBANCI
19	813426.70	707490.64	LIMIT OF DISTURBANCI
20	813426.73	707512.94	LIMIT OF DISTURBANCI
21	813426.76	707535.23	LIMIT OF DISTURBANCI
22	813400.09	707543.27	LIMIT OF DISTURBANCI
23	813373.41	707551.30	LIMIT OF DISTURBANCI
24	813316.57	707551.30	LIMIT OF DISTURBANCI
25	813259.74	707551.30	LIMIT OF DISTURBANCI
26	813246.22	707569.99	LIMIT OF DISTURBANCI
27	813232.71	707588.67	LIMIT OF DISTURBANCI
28	813232.92	707632.76	LIMIT OF DISTURBANCI
29	813233.13	707676.86	LIMIT OF DISTURBANCI
30	813225.79	707695.79	LIMIT OF DISTURBANCI
31	813218.45	707714.73	LIMIT OF DISTURBANCI
32	813220.95	707744.00	LIMIT OF DISTURBANCI
33	813223.45	707773.28	LIMIT OF DISTURBANCI
34	813273.92	707804.07	LIMIT OF DISTURBANCI
35	813324.39	707834.85	LIMIT OF DISTURBANCI
36	813339.71	707835.53	LIMIT OF DISTURBANCI
37	813385.75	707842.94	LIMIT OF DISTURBANCI
38	813431.80	707850.35	LIMIT OF DISTURBANCI
30	813432.56	707850.35	LIMIT OF DISTURBANC
39 40	813432.56	707898.24	LIMIT OF DISTURBANC
	813454.24		
41		707910.98	LIMIT OF DISTURBANCI
42	813472.50	707915.53	
43	813498.66	707918.20	
44	813524.83	707920.88	LIMIT OF DISTURBANCI
45	813539.90	707919.38	
46	813564.85	707924.01	
47	813589.81	707928.64	
48	813648.42	707946.08	LIMIT OF DISTURBANCI
49	813707.04	707963.52	
50	813726.02	707966.37	LIMIT OF DISTURBANCE

POINT # NORTHING EASTING DESCRIPTION 51 813745.01 707969.21 LIMIT OF DISTURB 52 813764.21 707967.50 LIMIT OF DISTURB 53 813780.49 707957.19 LIMIT OF DISTURB 54 813792.18 707943.87 LIMIT OF DISTURB 55 813803.87 707930.55 LIMIT OF DISTURB 56 813811.28 707922.44 LIMIT OF DISTURB	ANCE
52 813764.21 707967.50 LIMIT OF DISTURE 53 813780.49 707957.19 LIMIT OF DISTURE 54 813792.18 707943.87 LIMIT OF DISTURE 55 813803.87 707930.55 LIMIT OF DISTURE	ANCE
53 813780.49 707957.19 LIMIT OF DISTURB 54 813792.18 707943.87 LIMIT OF DISTURB 55 813803.87 707930.55 LIMIT OF DISTURB	
54 813792.18 707943.87 LIMIT OF DISTURB 55 813803.87 707930.55 LIMIT OF DISTURB	ANCE
55 813803.87 707930.55 LIMIT OF DISTURB	
	ANCE
56 813811.28 707922.44 LIMIT OF DISTURB	ANCE
	ANCE
57 813813.19 707917.51 LIMIT OF DISTURB	ANCE
58 813831.78 707928.05 LIMIT OF DISTURB	ANCE
59 813850.38 707938.59 LIMIT OF DISTURB	ANCE
60 813881.03 707994.62 LIMIT OF DISTURB	ANCE
61 813911.69 708050.66 LIMIT OF DISTURB	ANCE
62 813894.45 708064.04 LIMIT OF DISTURB	ANCE
63 813877.22 708077.42 LIMIT OF DISTURB	ANCE
64 813863.98 708070.36 LIMIT OF DISTURB	ANCE
65 813856.37 708084.63 LIMIT OF DISTURB	ANCE
66 813848.93 708098.58 LIMIT OF DISTURB	
67 813856.68 708102.69 LIMIT OF DISTURB	ANCE
68 813853.78 708108.10 LIMIT OF DISTURB	ANCE
69 813858.88 708125.95 LIMIT OF DISTURB	ANCE
70 813885.88 708159.03 LIMIT OF DISTURB	ANCE
71 813912.89 708192.10 LIMIT OF DISTURB	ANCE
72 813920.61 708177.84 LIMIT OF DISTURB	ANCE
73 813928.33 708163.57 LIMIT OF DISTURB	ANCE
74 813907.16 708137.61 LIMIT OF DISTURB	ANCE
75 813886.00 708111.66 LIMIT OF DISTURB	ANCE
76 813881.98 708108.08 LIMIT OF DISTURB	ANCE
77 813884.04 708102.47 LIMIT OF DISTURB	ANCE
78 813886.59 708097.68 LIMIT OF DISTURB	ANCE
79 813895.95 708086.78 LIMIT OF DISTURB	ANCE
80 813920.97 708094.26 LIMIT OF DISTURB	ANCE
81 813945.99 708101.74 LIMIT OF DISTURB	ANCE
82 813953.06 708105.77 LIMIT OF DISTURB	ANCE
83 813963.92 708097.76 LIMIT OF DISTURB	ANCE
84 813969.33 708087.77 LIMIT OF DISTURB	ANCE
85 813982.35 708063.69 LIMIT OF DISTURB	ANCE
86 813968.58 708048.46 LIMIT OF DISTURB	ANCE
87 813988.41 708040.23 LIMIT OF DISTURB	ANCE
88 813995.07 708040.19 LIMIT OF DISTURB	ANCE
89 814006.99 708018.14 LIMIT OF DISTURB	ANCE
90 814024.78 707985.26 LIMIT OF DISTURB	ANCE
91 814042.57 707952.37 LIMIT OF DISTURB	ANCE
92 814014.21 707943.29 LIMIT OF DISTURB	ANCE
93 813985.84 707934.21 LIMIT OF DISTURB	ANCE
94 813917.40 707899.58 LIMIT OF DISTURB	ANCE
95 813848.96 707864.96 LIMIT OF DISTURB	ANCE
96 813848.96 707781.89 LIMIT OF DISTURB	ANCE
97 813848.96 707698.82 LIMIT OF DISTURB	ANCE
98 813843.14 707668.86 LIMIT OF DISTURB	ANCE
99 813826.62 707649.03 LIMIT OF DISTURB	ANCE
100 813810.11 707629.20 LIMIT OF DISTURB	ANCE

STAKING TABLE			STAKING TABLE				
POINT #	POINT # NORTHING EASTING DESCRIPTION		POINT #	NORTHING	EASTING	DESCRIPTION	
101	813776.66	707597.33	LIMIT OF DISTURBANCE	236	813664.59	707802.57	FENCE
102	813743.21	707565.45	LIMIT OF DISTURBANCE	237	813675.55	707787.38	FENCE
103	813720.29	707550.73	LIMIT OF DISTURBANCE	238	813675.55	707587.14	FENCE
104	813693.54	707545.58	LIMIT OF DISTURBANCE	239	813664.98	707574.45	FENCE
105	813612.57	707545.58	LIMIT OF DISTURBANCE	240	813664.99	707558.46	FENCE
106	813531.61	707545.59	LIMIT OF DISTURBANCE	241	813539.64	707558.47	FENCE
107	813496.61	707535.23	LIMIT OF DISTURBANCE	242	813480.89	707539.35	FENCE
108	813496.65	707524.87	LIMIT OF DISTURBANCE	243	813480.89	707529.44	FENCE
109	813486.58	707511.29	LIMIT OF DISTURBANCE	244	813529.87	707438.78	EDGE OF ROAD
110	813486.52	707481.47	LIMIT OF DISTURBANCE	245	813489.59	707457.45	EDGE OF ROAD
111	813511.29	707456.58	LIMIT OF DISTURBANCE	246	813473.18	707498.69	EDGE OF ROAD
112	813524.22	707446.96	LIMIT OF DISTURBANCE	247	813473.18	707523.48	EDGE OF ROAD
113	813532.81	707442.81	LIMIT OF DISTURBANCE	248	813482.18	707554.23	EDGE OF ROAD
114	813532.56	707436.47	LIMIT OF DISTURBANCE	249	813506.34	707575.26	EDGE OF ROAD
115	813523.34	707434.62	LIMIT OF DISTURBANCE	250	813530.93	707586.58	EDGE OF ROAD
201	813585.10	707635.71	FILTRATION PLANT	251	813541.22	707590.02	EDGE OF ROAD
202	813507.17	707635.71	FILTRATION PLANT	252	813552.02	707591.16	EDGE OF ROAD
203	813507.17	707624.97	FILTRATION PLANT	253	813593.47	707591.01	EDGE OF ROAD
204	813457.76	707624.82	FILTRATION PLANT	254	813634.92	707590.87	EDGE OF ROAD
205	813457.76	707618.42	FILTRATION PLANT	255	813659.75	707601.07	EDGE OF ROAD
206	813366.91	707618.44	FILTRATION PLANT	256	813670.05	707625.87	EDGE OF ROAD
207	813367.06	707677.69	FILTRATION PLANT	257	813670.05	707698.93	EDGE OF ROAD
208	813352.73	707677.75	FILTRATION PLANT	258	813670.05	707772.00	EDGE OF ROAD
209	813352.81	707777.11	FILTRATION PLANT	259	813659.81	707796.74	EDGE OF ROAD
210	813636.87	707777.03	FILTRATION PLANT	260	813635.07	707807.00	EDGE OF ROAD
211	813636.85	707706.97	FILTRATION PLANT	261	813598.73	707807.02	EDGE OF ROAD
212	813624.35	707706.97	FILTRATION PLANT	262	813562.39	707807.04	EDGE OF ROAD
213	813624.35	707700.47	FILTRATION PLANT	263	813552.42	707808.05	EDGE OF ROAD
214	813597.45	707700.48	FILTRATION PLANT	264	813557.38	707807.29	EDGE OF ROAD
215	813597.46	707706.98	FILTRATION PLANT	265	813483.66	707822.07	EDGE OF ROAD
216	813577.12	707706.98	FILTRATION PLANT	266	813518.04	707815.06	EDGE OF ROAD
217	813577.11	707658.98	FILTRATION PLANT	267	813473.67	707823.08	EDGE OF ROAD
218	813585.11	707658.98	FILTRATION PLANT	268	813478.69	707822.83	EDGE OF ROAD
219	813462.18	707529.44	GATE	269	813410.13	707823.08	EDGE OF ROAD
220	813664.98	707566.46	GATE	270	813346.60	707823.08	EDGE OF ROAD
221	813438.26	707829.58	GATE	271	813341.88	707822.43	EDGE OF ROAD
222	813443.47	707529.44	FENCE	272	813337.51	707820.54	EDGE OF ROAD
223	813443.47	707539.33	FENCE	273	813289.00	707791.05	EDGE OF ROAD
224	813375.99	707561.30	FENCE	274	813239.61	707760.65	EDGE OF ROAD
225	813264.54	707561.30	FENCE	275	813240.00	707729.25	EDGE OF ROAD
226	813242.71	707588.62	FENCE	276	813268.72	707728.52	EDGE OF ROAD
227	813243.14	707678.70	FENCE	277	813300.98	707726.33	EDGE OF ROAD
228	813228.45	707716.60	FENCE	278	813303.18	707667.39	EDGE OF ROAD
229	813225.36	707772.10	FENCE	279	813303.18	707613.75	EDGE OF ROAD
230	813325.00	707832.88	FENCE	280	813310.50	707596.08	EDGE OF ROAD
231	813501.83	707829.58	FENCE	281	813328.17	707588.76	EDGE OF ROAD
232	813513.61	707844.38	FENCE	282	813352.99	707588.75	EDGE OF ROAD
233	813538.09	707844.38	FENCE	283	813388.49	707587.58	EDGE OF ROAD
234	813555.63	707812.47	FENCE	284	813409.52	707579.17	EDGE OF ROAD
235	813651.38	707812.00	FENCE	285	813420.34	707574.19	EDGE OF ROAD

Z							
BY: JTANN					PROJECT ENGINEER:	R. FROST	
РМ					DESIGNED BY:	K. ROBBINS	
25 11:23					DRAWN BY:	K. ROBBINS	BID SET
3/26/2025					CHECKED BY:	D. SHEERAN	
DATE: 3					IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING	0 1/2" 1"	
	REV	ISSUED FOR	DATE	BY	IS NOT TO FULL SCALE		



STAKING TABLE					
POINT #	NORTHING	EASTING	DESCRIPTION		
286	813442.81	707554.63	EDGE OF ROAD		
287	813451.18	707526.05	EDGE OF ROAD		
288	813451.18	707506.08	EDGE OF ROAD		
289	813432.56	707462.64	EDGE OF ROAD		
290	813388.27	707446.15	EDGE OF ROAD		
291	813636.74	707678.57	EDGE OF ROAD		
292	813636.74	707650.16	EDGE OF ROAD		
293	813626.49	707625.41	EDGE OF ROAD		
294	813601.74	707615.16	EDGE OF ROAD		
295	813574.16	707615.16	EDGE OF ROAD		
296	813546.58	707615.16	EDGE OF ROAD		
297	813535.88	707614.00	EDGE OF ROAD		
298	813514.83	707605.59	EDGE OF ROAD		
299	813503.99	707600.60	EDGE OF ROAD		
300	813462.18	707591.44	EDGE OF ROAD		
301	813420.36	707600.60	EDGE OF ROAD		
302	813413.41	707603.80	EDGE OF ROAD		
303	813409.17	707607.49	EDGE OF ROAD		
304	813407.59	707613.93	EDGE OF ROAD		
305	813385.00	707613.94	EDGE OF ROAD		
306	813362.41	707613.94	EDGE OF ROAD		
307	813362.42	707643.60	EDGE OF ROAD		
308	813362.43	707673.25	EDGE OF ROAD		
309	813348.22	707673.25	EDGE OF ROAD		
310	813348.26	707705.75	EDGE OF ROAD		
311	813348.29	707738.25	EDGE OF ROAD		
312	813352.77	707738.25	EDGE OF ROAD		
313	813407.59	707618.43	LIMITS OF SIDEWALK		
314	813407.59	707614.43	LIMITS OF SIDEWALK		
315	813362.91	707614.44	LIMITS OF SIDEWALK		
316	813362.93	707673.75	LIMITS OF SIDEWALK		
317	813348.73	707673.75	LIMITS OF SIDEWALK		
318	813348.79	707737.75	LIMITS OF SIDEWALK		
319	813352.77	707737.75	LIMITS OF SIDEWALK		
320	813595.54	707572.46	EDGE OF ROAD		
321	813594.62	707560.46	EDGE OF ROAD		
322	813721.75	707564.85	EDGE OF ROAD		
323	813694.06	707574.25	EDGE OF ROAD		
324	813719.75	707596.26	EDGE OF ROAD		
325	813774.64	707608.76	EDGE OF ROAD		
326	813754.81	707619.22	EDGE OF ROAD		
327	813739.43	707614.61	EDGE OF ROAD		
328	813773.51	707625.20	EDGE OF ROAD		
329	813798.71	707631.49	EDGE OF ROAD		
330	813799.62	707648.85	EDGE OF ROAD		
331	813819.79	707677.69	EDGE OF ROAD		
332	813830.81	707672.94	EDGE OF ROAD		
333	813838.90	707712.15	EDGE OF ROAD		
334	813826.90	707712.15	EDGE OF ROAD		
335	813826.90	707756.91	EDGE OF ROAD		

POINT	#
336	
337	
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HAZEN AND SAWYER 498 SEVENTH AVENUE, 11th FLOOR NEW YORK, NEW YORK 10018

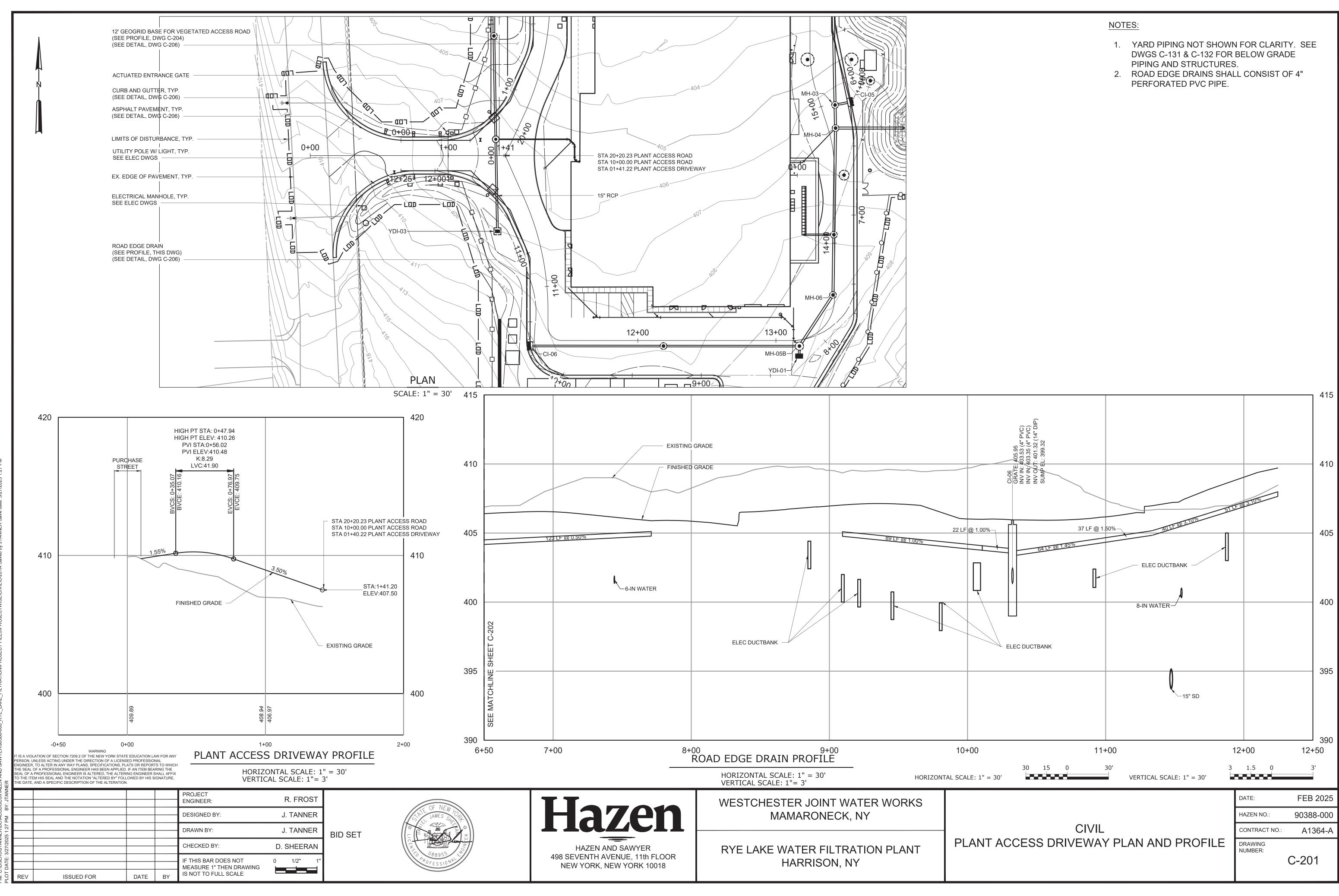
WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

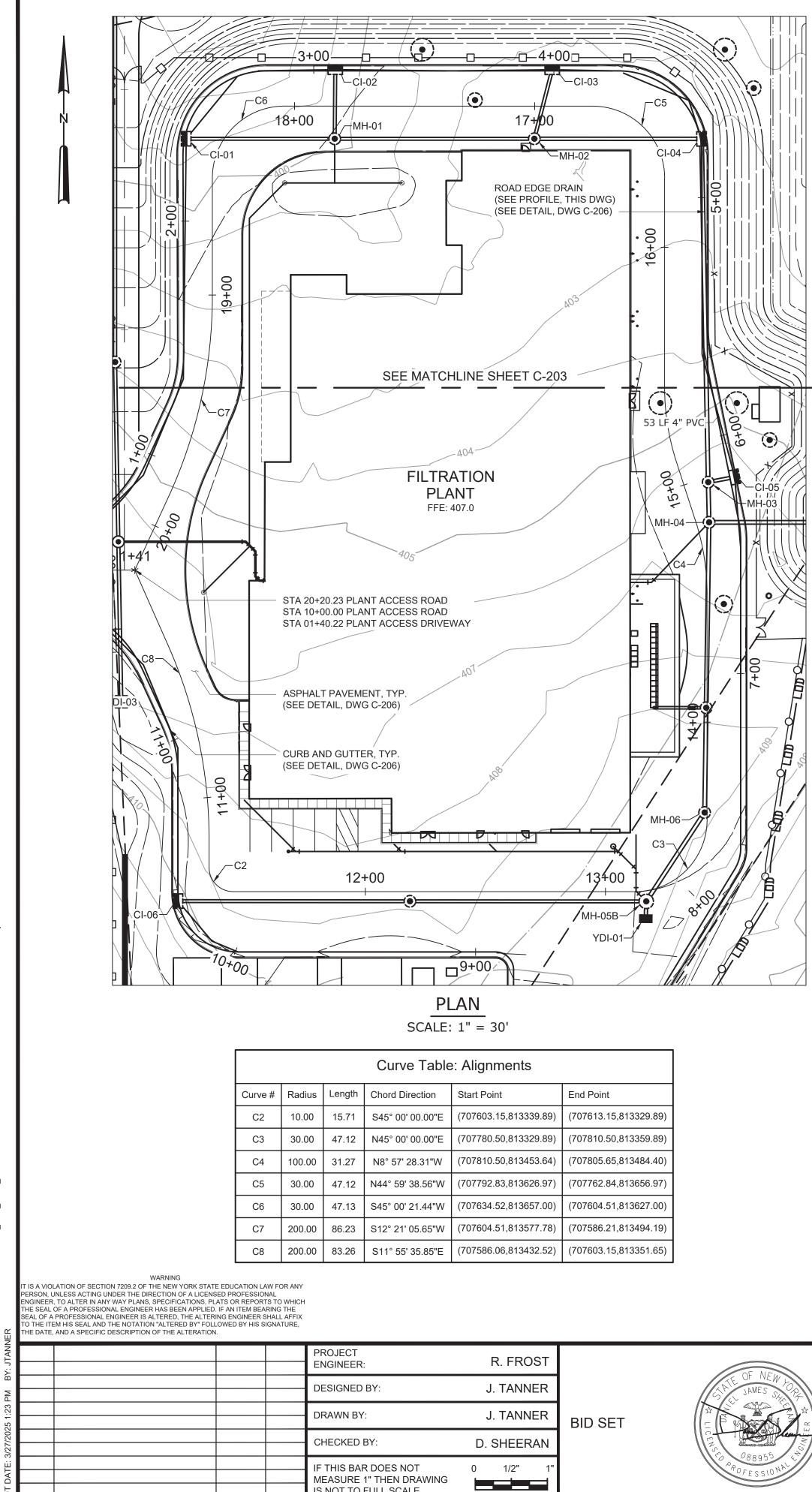
RYE LAKE WATER FILTRATION PLANT HARRISON, NY

STAKING TABLE					
NORTHING	EASTING	DESCRIPTION			
813838.90	707796.37	EDGE OF ROAD			
813822.52	707810.23	EDGE OF ROAD			
813765.80	707813.76	EDGE OF ROAD			
813718.02	707813.76	EDGE OF ROAD			
813718.02	707830.76	EDGE OF ROAD			
813778.26	707830.76	EDGE OF ROAD			
813823.81	707841.72	EDGE OF ROAD			
813840.57	707892.16	EDGE OF ROAD			
813829.08	707895.61	EDGE OF ROAD			
813869.84	707939.02	EDGE OF ROAD			
813878.91	707973.95	EDGE OF ROAD			
813897.11	707977.90	EDGE OF ROAD			
813924.27	707983.88	EDGE OF ROAD			
813947.86	707988.29	EDGE OF ROAD			
813923.68	708040.42	EDGE OF ROAD			
813937.86	708028.32	EDGE OF ROAD			
813952.04	708016.22	EDGE OF ROAD			
813953.32	708001.75	EDGE OF ROAD			
813460.34	707777.09	CONTAINMENT PAD			
813460.34	707797.59	CONTAINMENT PAD			
813384.34	707797.59	CONTAINMENT PAD			
813384.34	707777.09	CONTAINMENT PAD			
813300.71	707586.88	PROPANE TANK			
813265.71	707586.92	PROPANE TANK			
813300.71	707606.85	PROPANE TANK			
813265.71	707606.90	PROPANE TANK			
813300.64	707626.86	EMERGENCY GENERATOR			
813260.64	707626.93	EMERGENCY GENERATOR			
813300.68	707646.85	EMERGENCY GENERATOR			
813260.68	707646.93	EMERGENCY GENERATOR			
813300.64	707656.86	EMERGENCY GENERATOR			
813260.64	707656.93	EMERGENCY GENERATOR			
813300.68	707676.85	EMERGENCY GENERATOR			
813260.68	707676.93	EMERGENCY GENERATOR			
813523.84	707830.81	SANITARY PUMP STATION			
813343.66	707566.68	RETAINING WALL			
813268.16	707566.68	RETAINING WALL			
813249.13	707590.25	RETAINING WALL			
813249.28	707678.89	RETAINING WALL			
813233.05	707720.36	RETAINING WALL			
813543.23	707865.84	OVERFLOW			
813503.84	707863.11	OVERFLOW			
813491.66	707852.27	OVERFLOW			
813482.85	707852.15	OVERFLOW			
813468.19	707854.83	OVERFLOW			
813465.56	707870.88	OVERFLOW			
813468.15	707887.77	OVERFLOW			
813502.97	707896.07	OVERFLOW			
813533.48	707900.90	OVERFLOW			
813543.23	707900.52	OVERFLOW			

	STAKING TABLE						
POINT #	NORTHING	EASTING	DESCRIPTION				
387	813543.23	707883.18	OVERFLOW				
388	813812.58	707878.20	OVERFLOW				
389	813781.89	707887.18	OVERFLOW				
390	813781.89	707895.21	OVERFLOW				
391	813812.58	707904.21	OVERFLOW				
392	813987.14	707940.02	OVERFLOW				
393	813965.63	707939.53	OVERFLOW				
394	813943.01	707930.53	OVERFLOW				
395	813903.95	707910.99	OVERFLOW				
396	813897.45	707921.80	OVERFLOW				
397	813960.99	707955.66	OVERFLOW				
398	813977.63	707966.40	OVERFLOW				
399	813950.14	708063.00	OVERFLOW				
400	813932.37	708058.67	OVERFLOW				
401	813940.31	708078.67	OVERFLOW				

	DATE:	FEB 2025
	HAZEN NO.:	90388-000
CIVIL	CONTRACT NO .:	A1364-A
STAKING TABLES	DRAWING NUMBER:	
		C-153



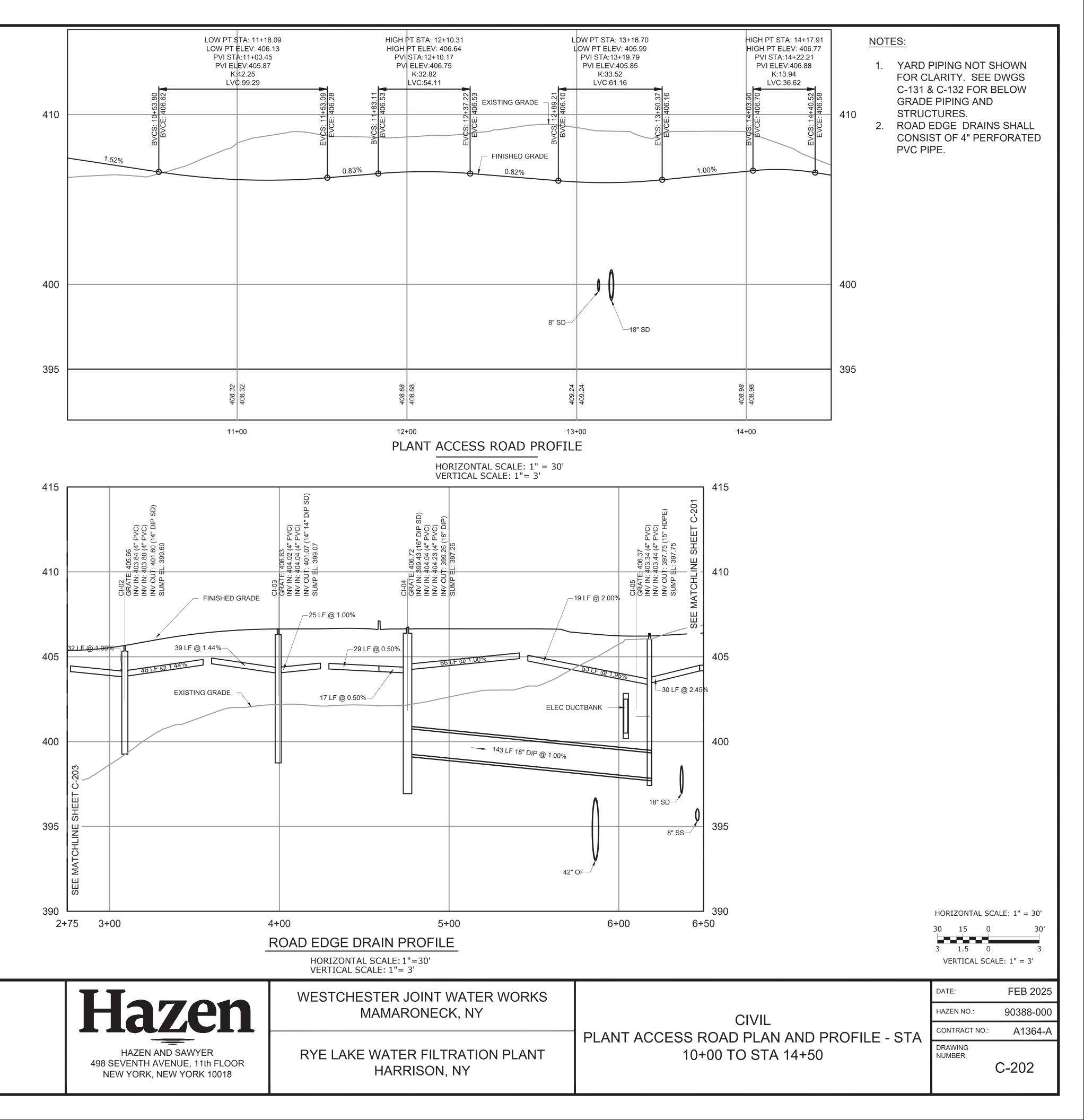


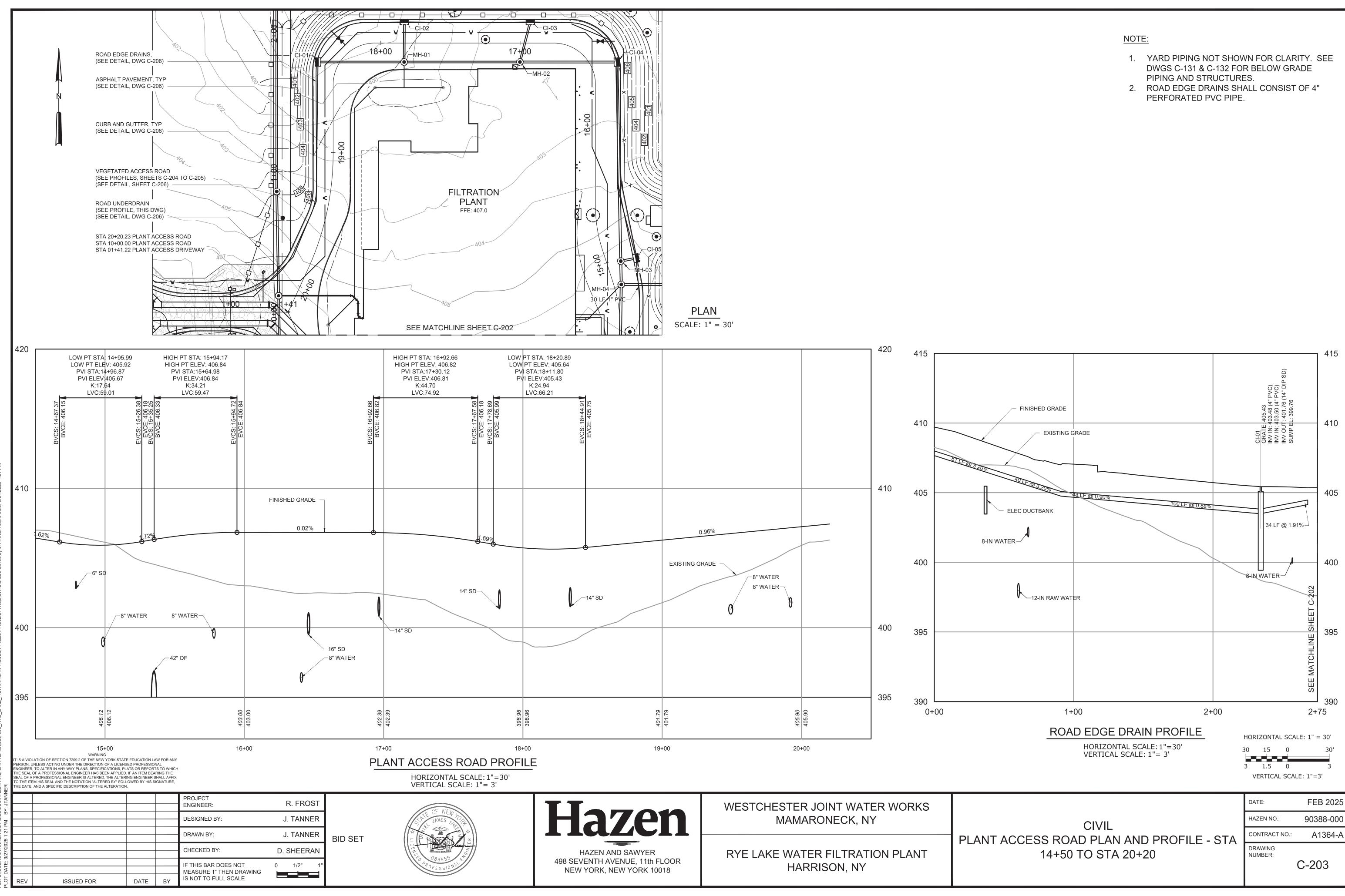
IS NOT TO FULL SCALE

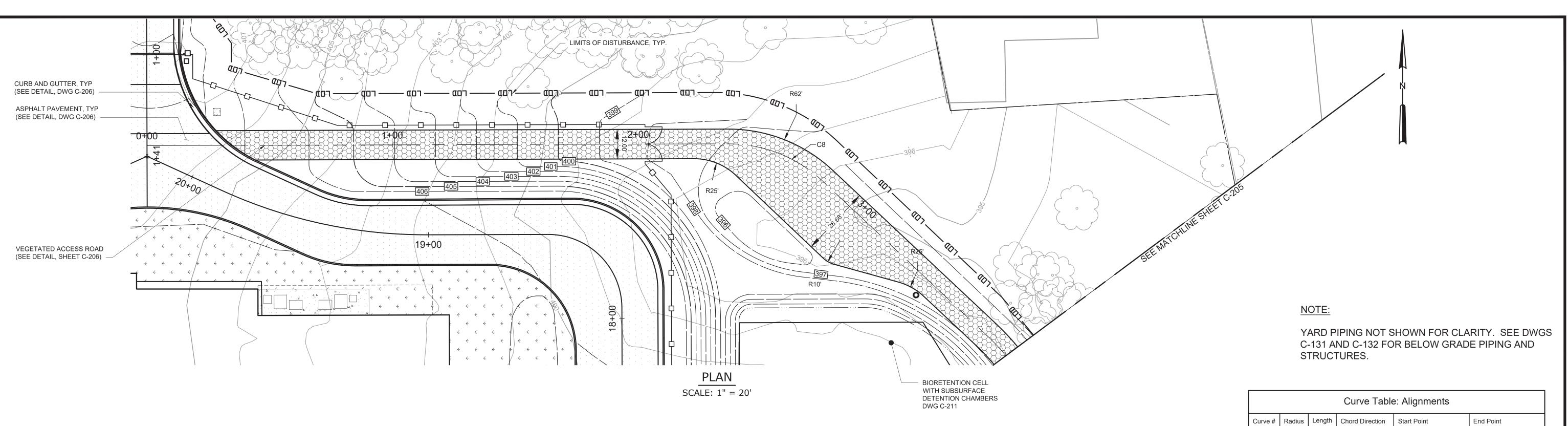
ISSUED FOR

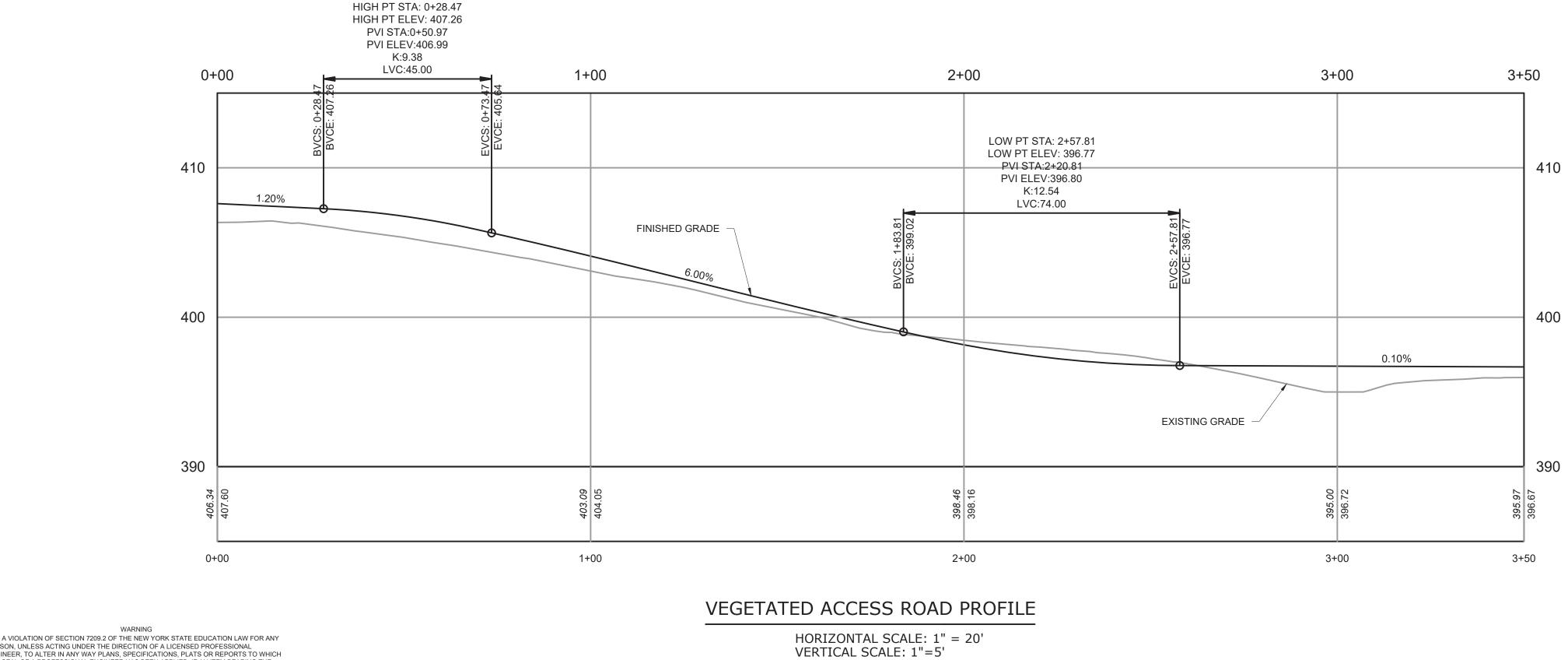
DATE

BY









T IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

≝							
BY: JTANNE					PROJECT ENGINEER:	R. FROST	
ΡM					DESIGNED BY:	J. TANNER	
25 1:50					DRAWN BY:	J. TANNER	BID SET
3/27/2025					CHECKED BY:	D. SHEERAN	
					IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING	0 1/2" 1"	
PLOT DATE:	REV	ISSUED FOR	DATE	BY	IS NOT TO FULL SCALE		







RYE LAKE WATER FILTRATION PLANT HARRISON, NY

WESTCHESTER JOINT WATER WORKS

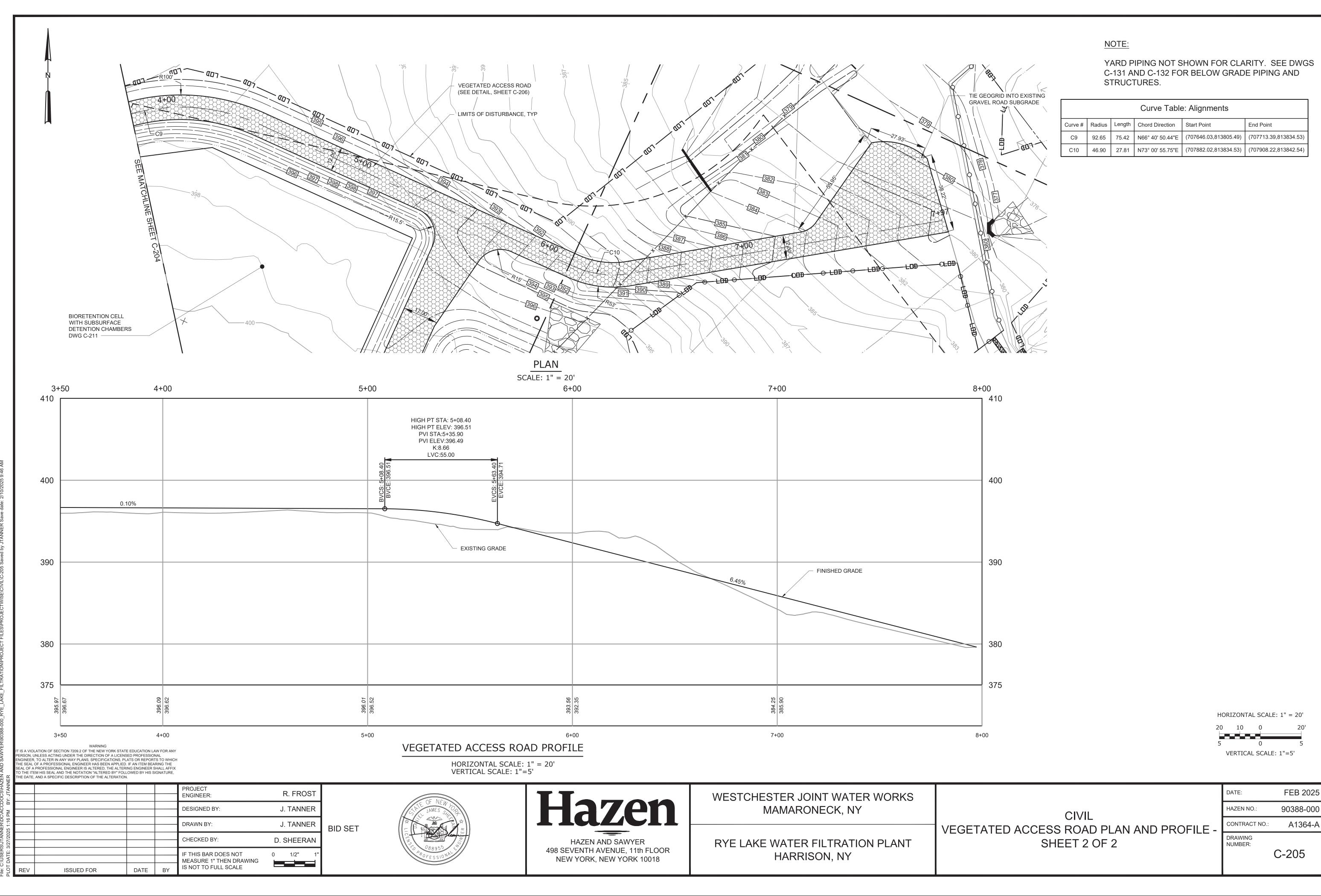
MAMARONECK, NY

VEGET

Curve Table: Alignments							
Curve # Radius Length Chord Direction		Start Point	End Point				
C8	56.00	42.38	N21° 40' 49.76"E	(707567.88,813700.48)	(707583.16,813738.93)		

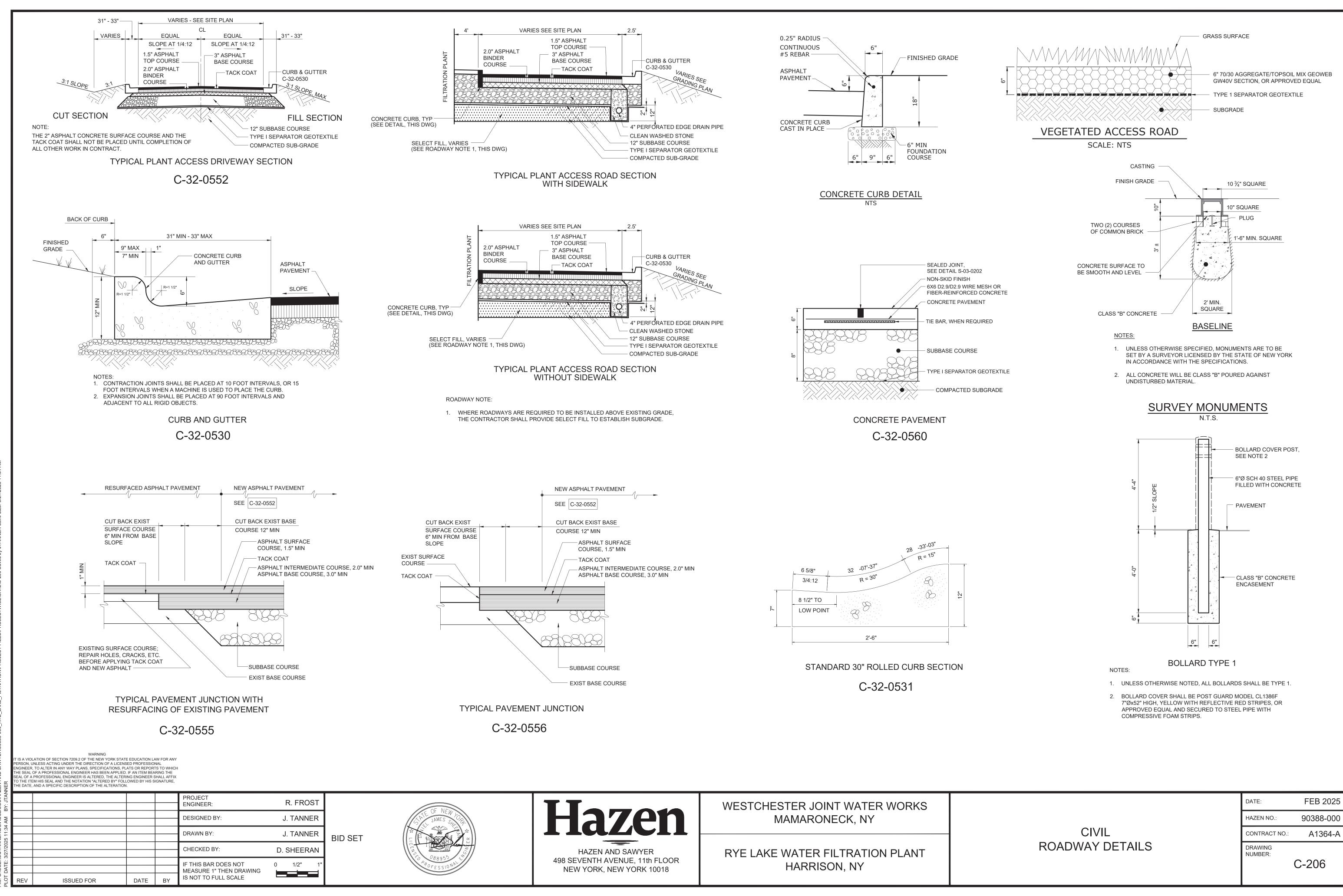
НC	ORIZO	NTA	LS	CALE: 1" =	= 20)'
20	1	0	()	2	20'
5			C)		5
	VERT	ICAL	S	CALE: 1"=	5'	

	DATE:	FEB 2025
	HAZEN NO.:	90388-000
ATED ACCESS ROAD PLAN AND PROFILE -	CONTRACT NO.:	A1364-A
SHEET 1 OF 2	DRAWING NUMBER:	C-204

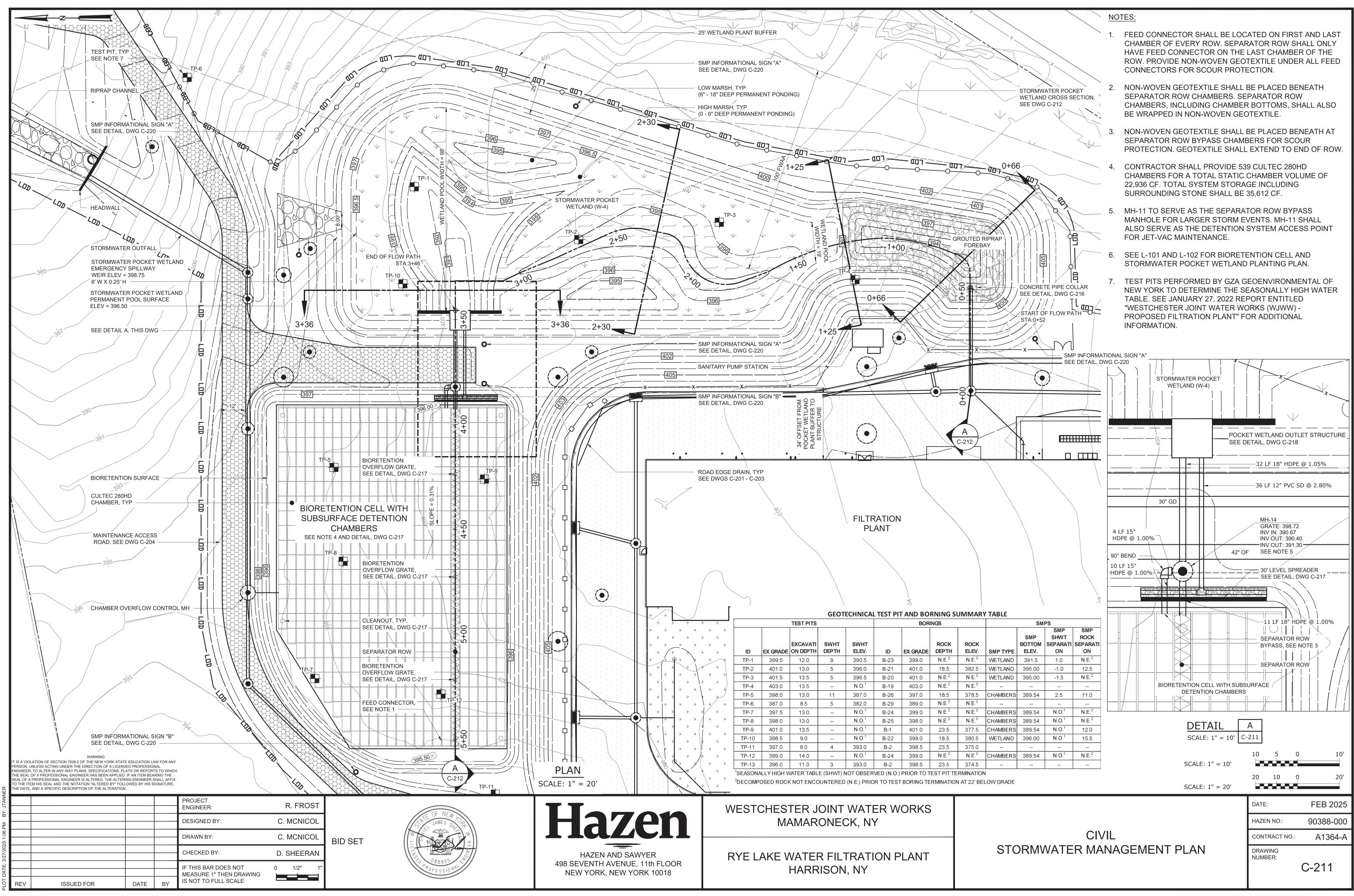


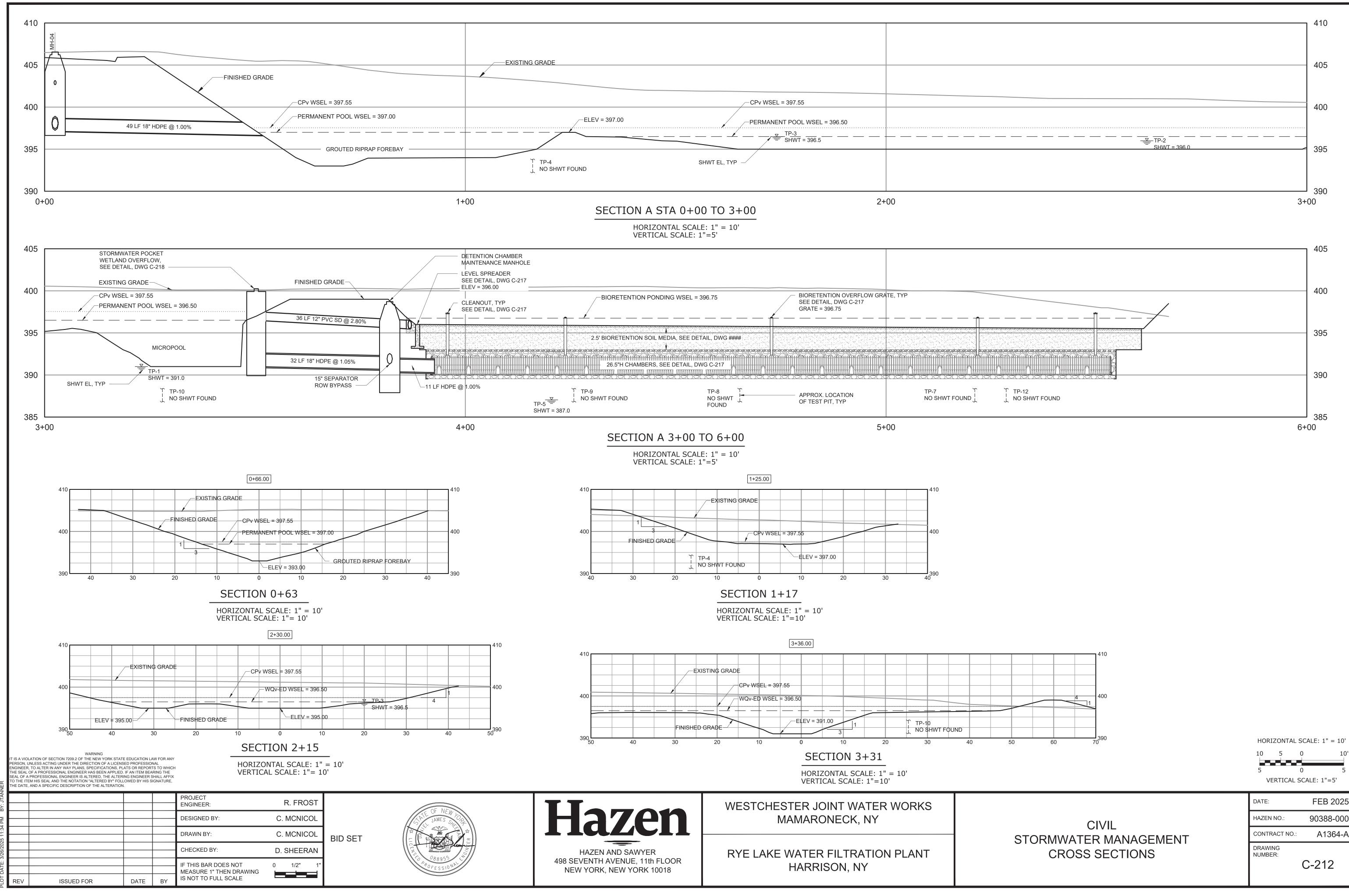
Curve Table: Alignments							
Curve # Radius Length Chord Direction Start Point End Point							
C9	92.65	75.42	N66° 40' 50.44"E	(707646.03,813805.49)	(707713.39,813834.53)		
C10	46.90	27.81	N73° 00' 55.75"E	(707882.02,813834.53)	(707908.22,813842.54)		

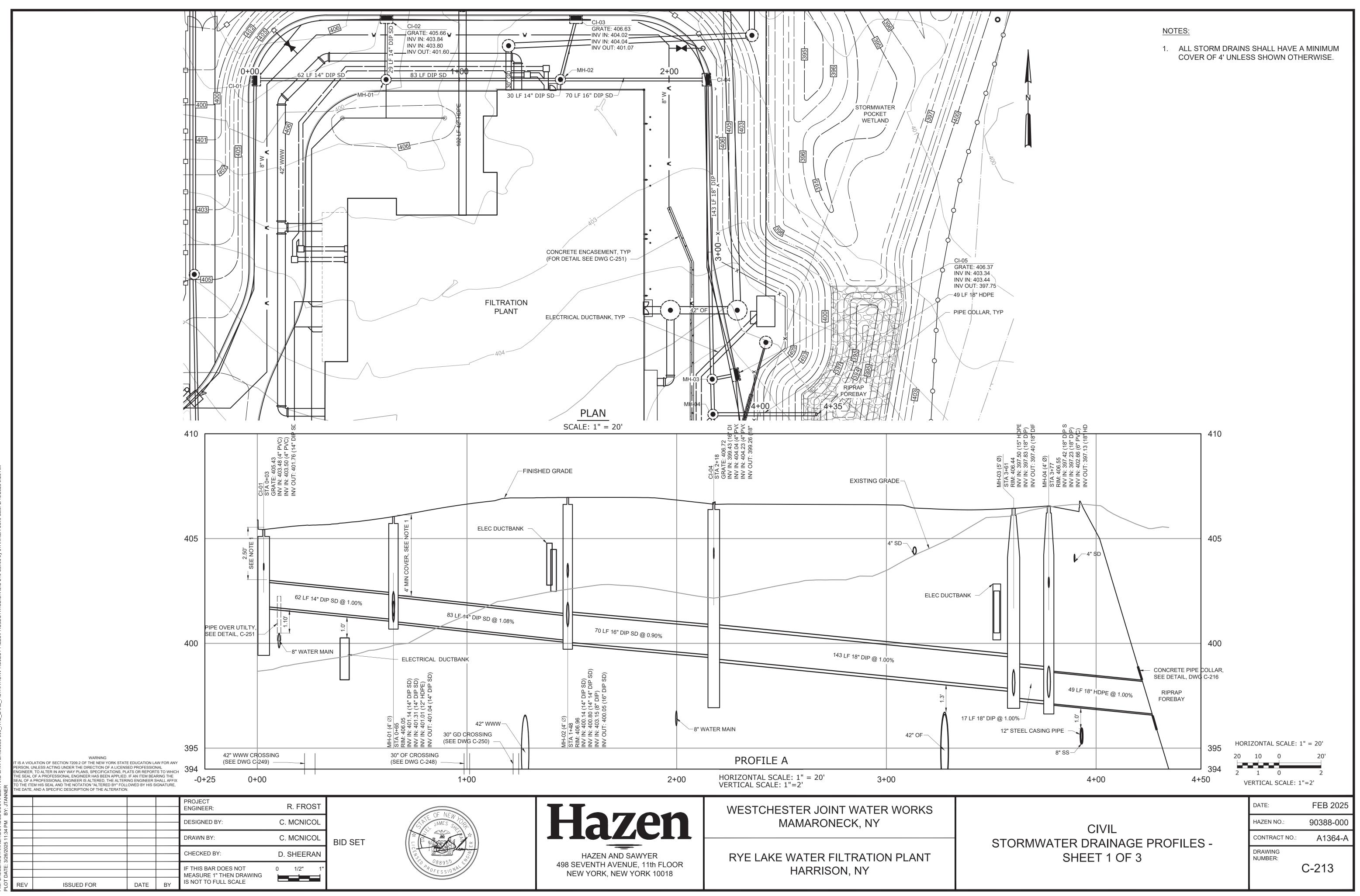
	DATE:	FEB 2025
	HAZEN NO.:	90388-000
TATED ACCESS ROAD PLAN AND PROFILE -	CONTRACT NO .:	A1364-A
SHEET 2 OF 2	DRAWING NUMBER:	C-205

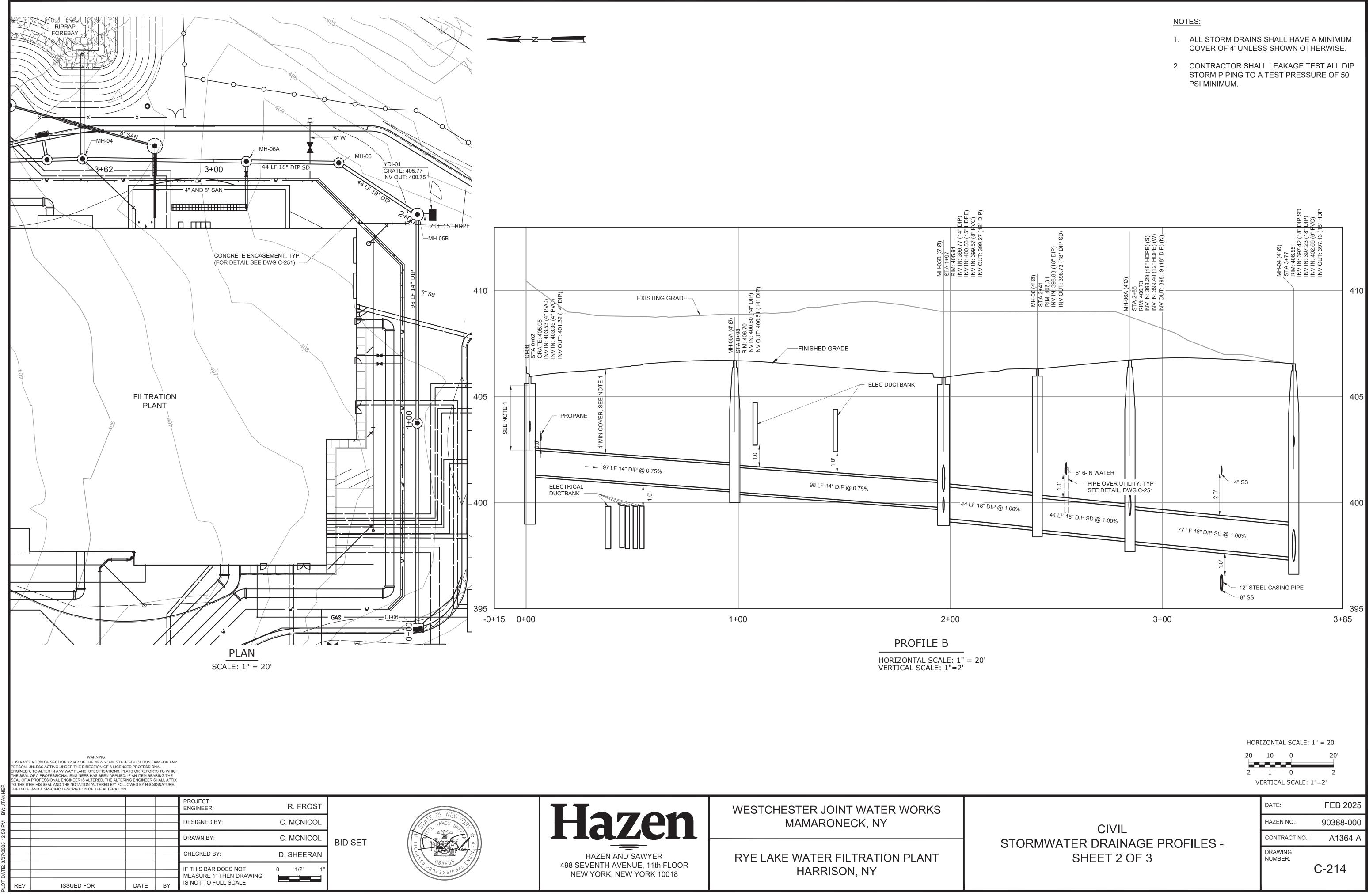


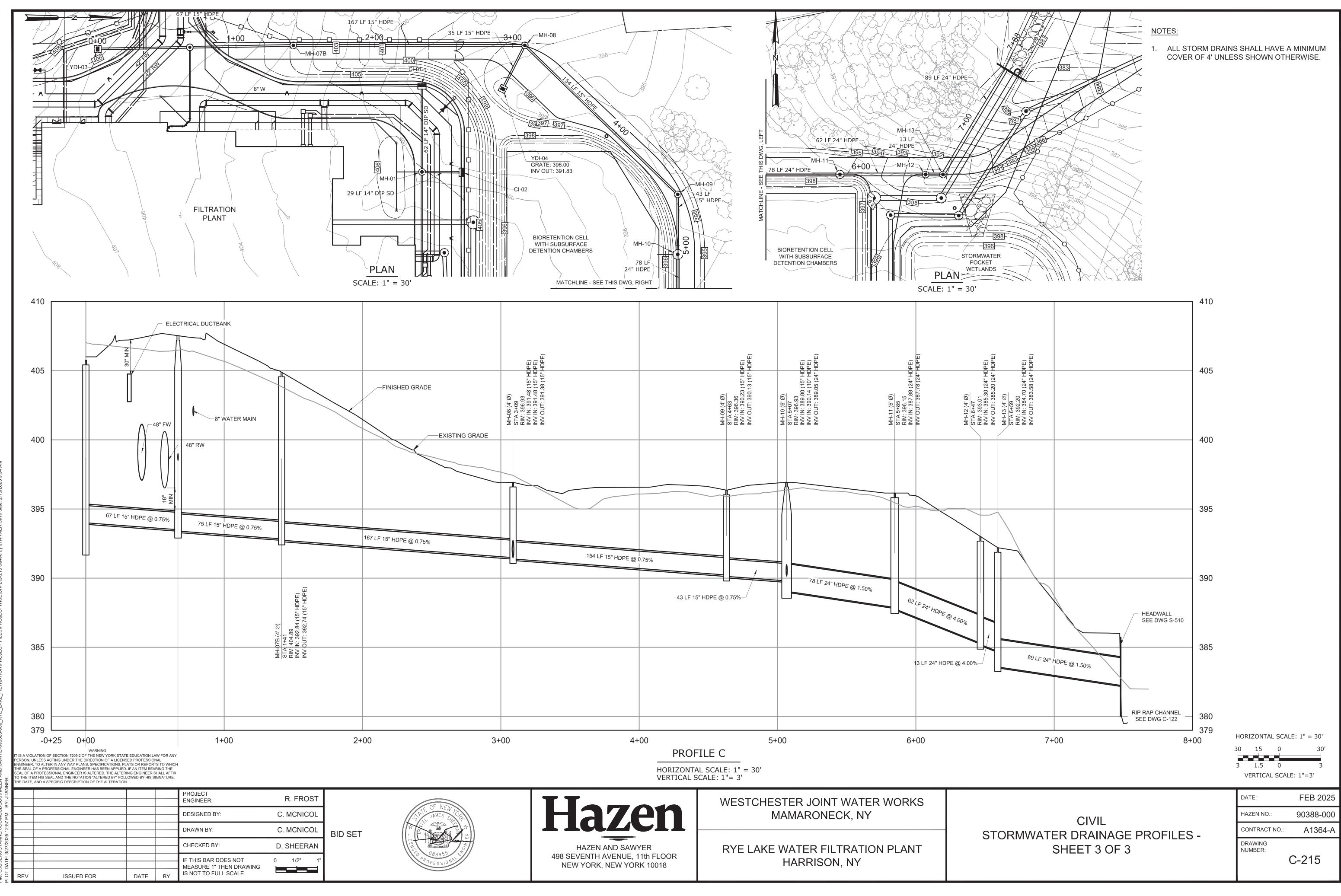
	DATE:	FEB 2025
	HAZEN NO.:	90388-000
CIVIL	CONTRACT NO .:	A1364-A
ROADWAY DETAILS	DRAWING NUMBER:	C-206

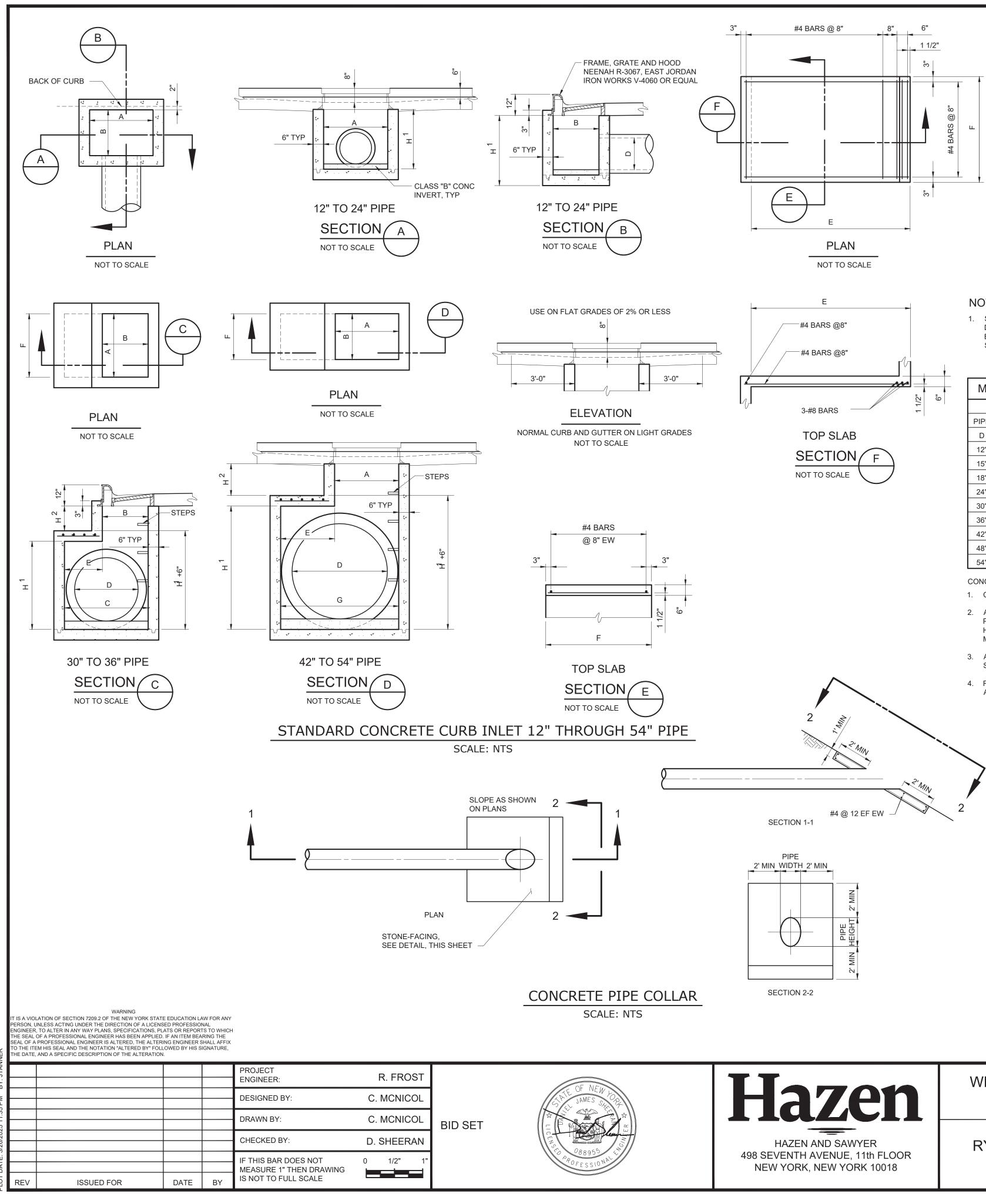












CURB INLET AND YARD INLET STRUCTURE TABLE

	STRUCTURE TABLE								
STRUCTURE ID:	NORTHING	EASTING	DETAIL DWG	INNER DIMENSION (INCHES)					
YDI-04	813701.82	707595.44	C-216	SEE DETAIL					
YDI-03	813408.96	707566.57	C-216	SEE DETAIL					
CI-05	813502.55	707822.01	C-216	SEE DETAIL					
CI-04	813643.36	707808.23	C-216	SEE DETAIL					
CI-03	813672.14	707746.02	C-216	SEE DETAIL					
CI-02	813672.17	707655.68	C-216	SEE DETAIL					
CI-06	813325.96	707590.17	C-216	SEE DETAIL					
YDI-01	813318.65	707784.98	C-216	SEE DETAIL					
CI-01	813643.39	707593.61	C-216	SEE DETAIL					

NOTE:

1. STRUCTURAL GEOMETRY AND REINFORCEMENT SHOWN ON THIS DRAWING ARE FOR REFERENCE PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRUCTURAL DESIGN OF ALL UTILITY STRUCTURE ELEMENTS PER SPECIFICATION SECTION 33 05 61.

MINIMUM DIMENSIONS FOR CONCRETE CURB INLETS								
		DIMENSIC	NS OF BC	X AND PI	ЪЕ		CO	VER
PIPE	SPAN	WIDTH	WIDTH	SPAN	HEIGHT	HEIGHT	DIMEN	ISIONS
D	А	В	С	G	MIN H ¹	Н ²	E	F
12"	3'-0"	2'-2"		_	2'-6"			
15"	3'-0"	2'-2"			2'-9"			—
18"	3'-0"	2'-2"			3'-1"			
24"	3'-0"	2'-2"			3'-7"			—
30"	3'-0"	2'-2"	3'-4"	3'-4"	3'-6"		1'-8"	4'-0"
36"	3'-0"	2'-2"	3'-10"	3'-10"	4'-1"	VARIABLE	2'-2"	4'-0"
42"	3'-0"	2'-2"		4'-5"	4'-10"	ARI⊅	1'-11"	3'-2"
48"	3'-0"	2'-2"		5'-0"	5'-4"	>	2'-6"	3'-2"
54"	3'-0"	2'-2"		5'-7"	5'-11'		3'-1"	3'-2"

CONCRETE CURB INLET NOTES:

1. CLASS "A1" CONCRETE TO BE USED THROUGHOUT.

- 2. ALL WALLS SHALL BE REINFORCED WITH #4 BARS @ AT 12" EACH WAY PLACED AT MID-DEPTH. BARS SHALL BE BENT AT CORNERS WITH STD. 90° HOOKS. BOTTOM SLAB SHALL BE REINFORCED WITH #5@12" EACH WAY AT MID-DEPTH.
- 3. ALL CURB INLETS OVER 3'-6" IN DEPTH TO BE PROVIDED WITH STEPS 14" OC. STEPS SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
- 4. FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" AND UP TO 15'-0" USE 8" WALLS AND BOTTOM SLAB.

PIPE COLLAR STONE-FACING DETAILS

SCALE: NTS

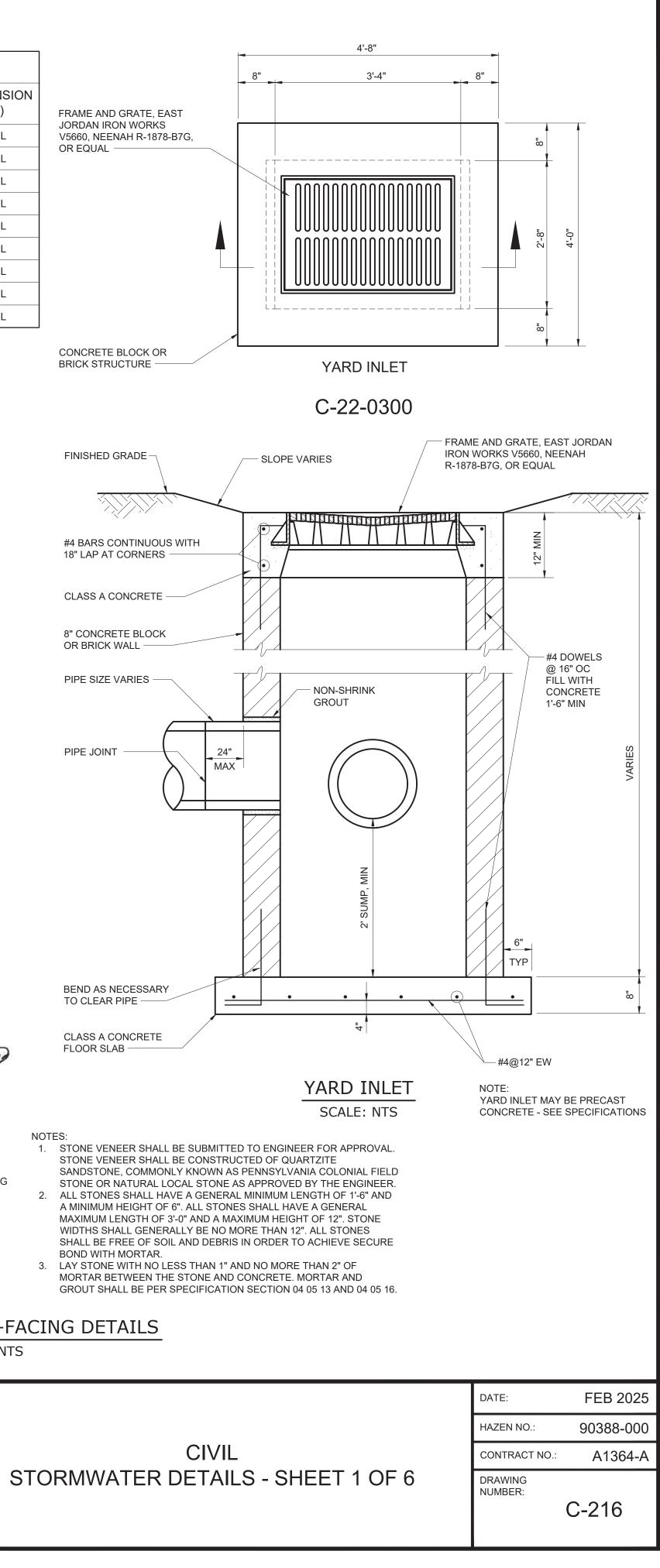
MITERED PIPE OPENING

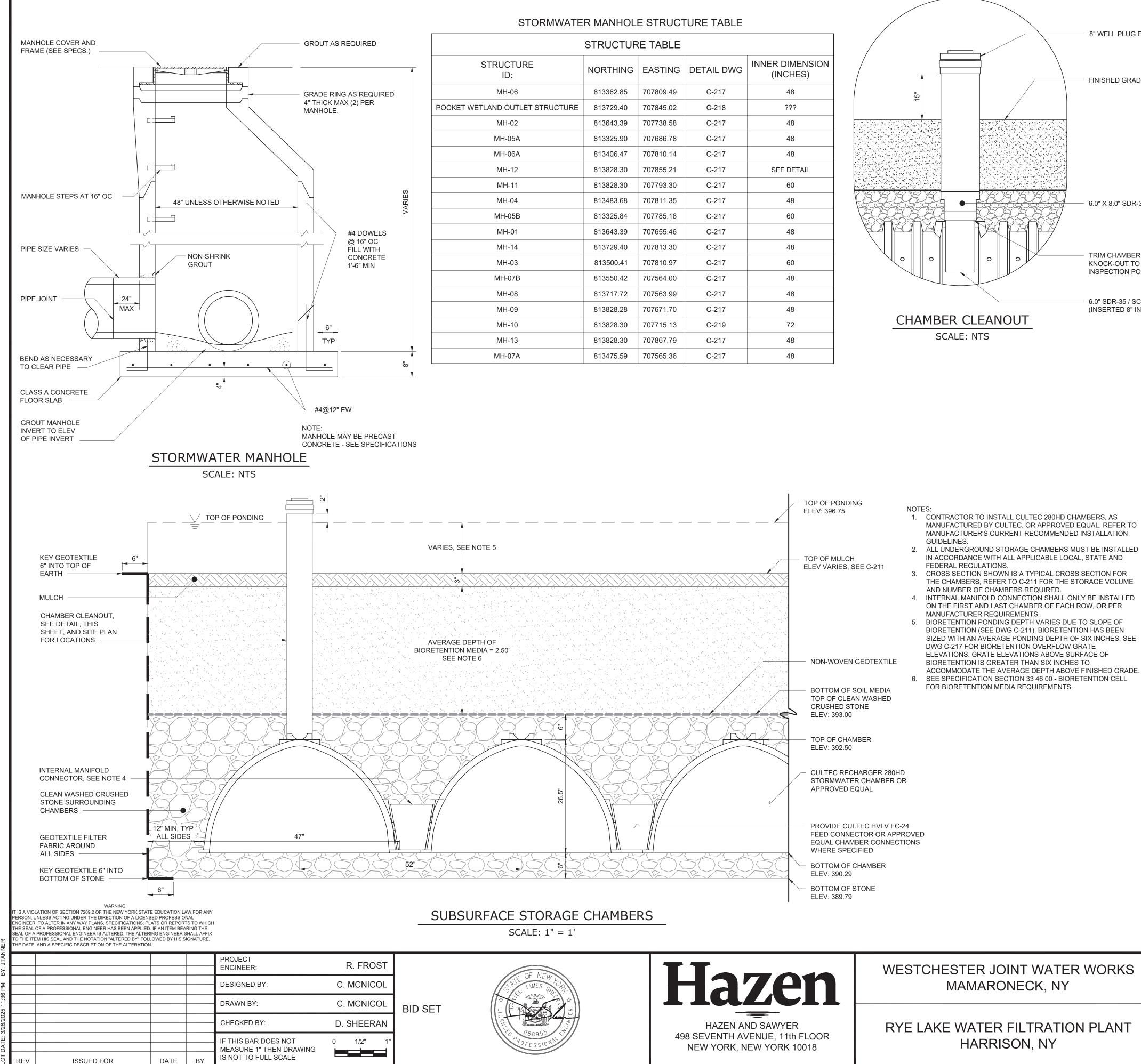
(STONE VENEER TO

CONCEAL PIPE FACE)

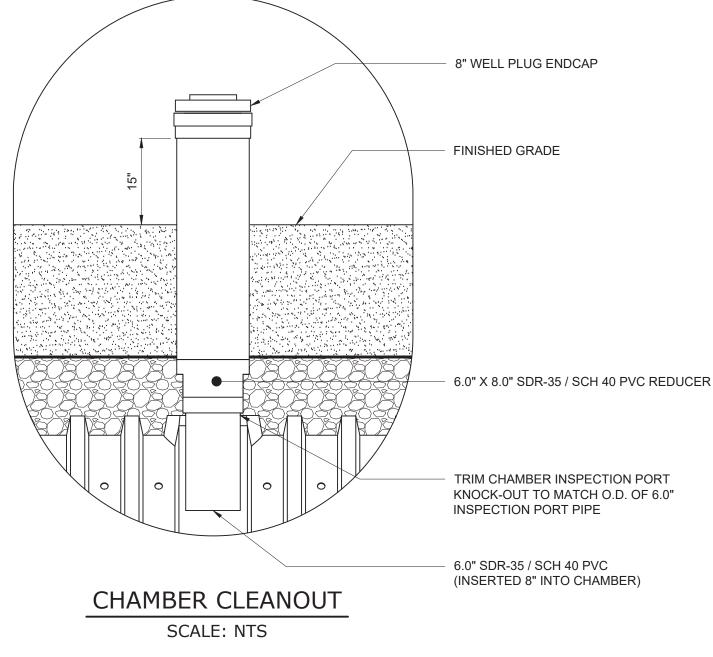
WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY



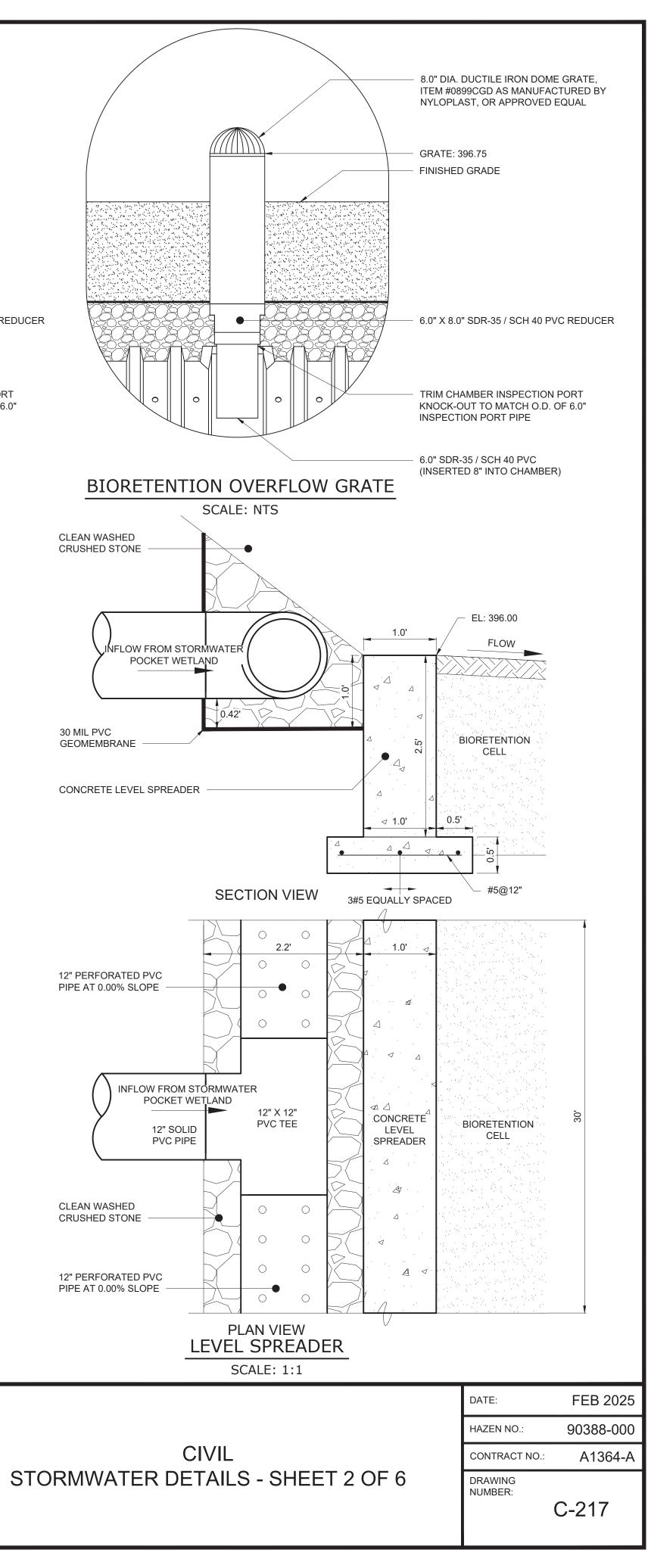


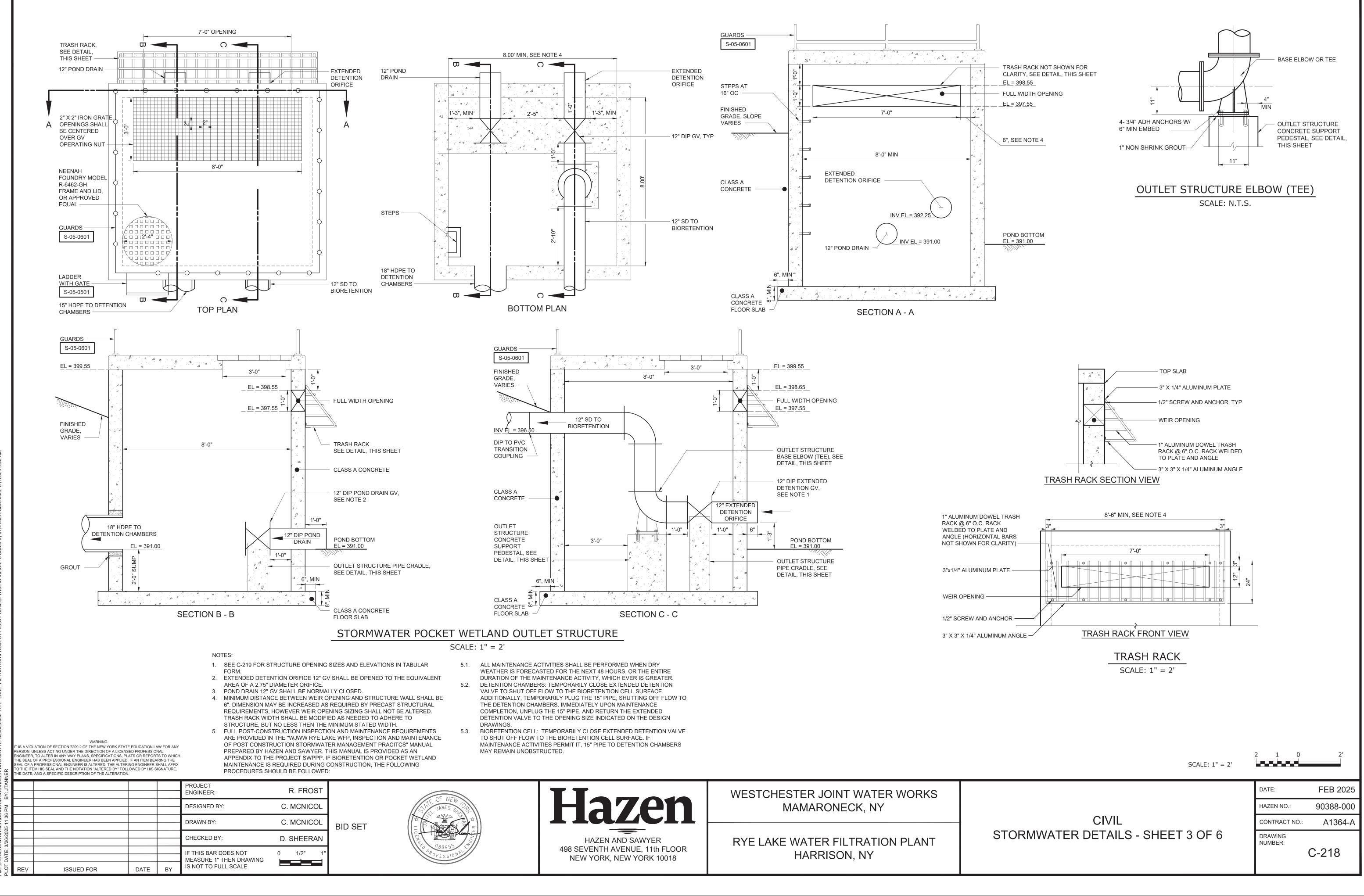
	STRUCTURE TABLE								
	NORTHING	EASTING	DETAIL DWG	INNER DIMENSION (INCHES)					
	813362.85	707809.49	C-217	48					
JRE	813729.40	707845.02	C-218	???					
	813643.39	707738.58	C-217	48					
	813325.90	707686.78	C-217	48					
	813406.47	707810.14	C-217	48					
	813828.30	707855.21	C-217	SEE DETAIL					
	813828.30	707793.30	C-217	60					
	813483.68	707811.35	C-217	48					
	813325.84	707785.18	C-217	60					
	813643.39	707655.46	C-217	48					
	813729.40	707813.30	C-217	48					
	813500.41	707810.97	C-217	60					
	813550.42	707564.00	C-217	48					
	813717.72	707563.99	C-217	48					
	813828.28	707671.70	C-217	48					
	813828.30	707715.13	C-219	72					
	813828.30	707867.79	C-217	48					
	813475.59	707565.36	C-217	48					

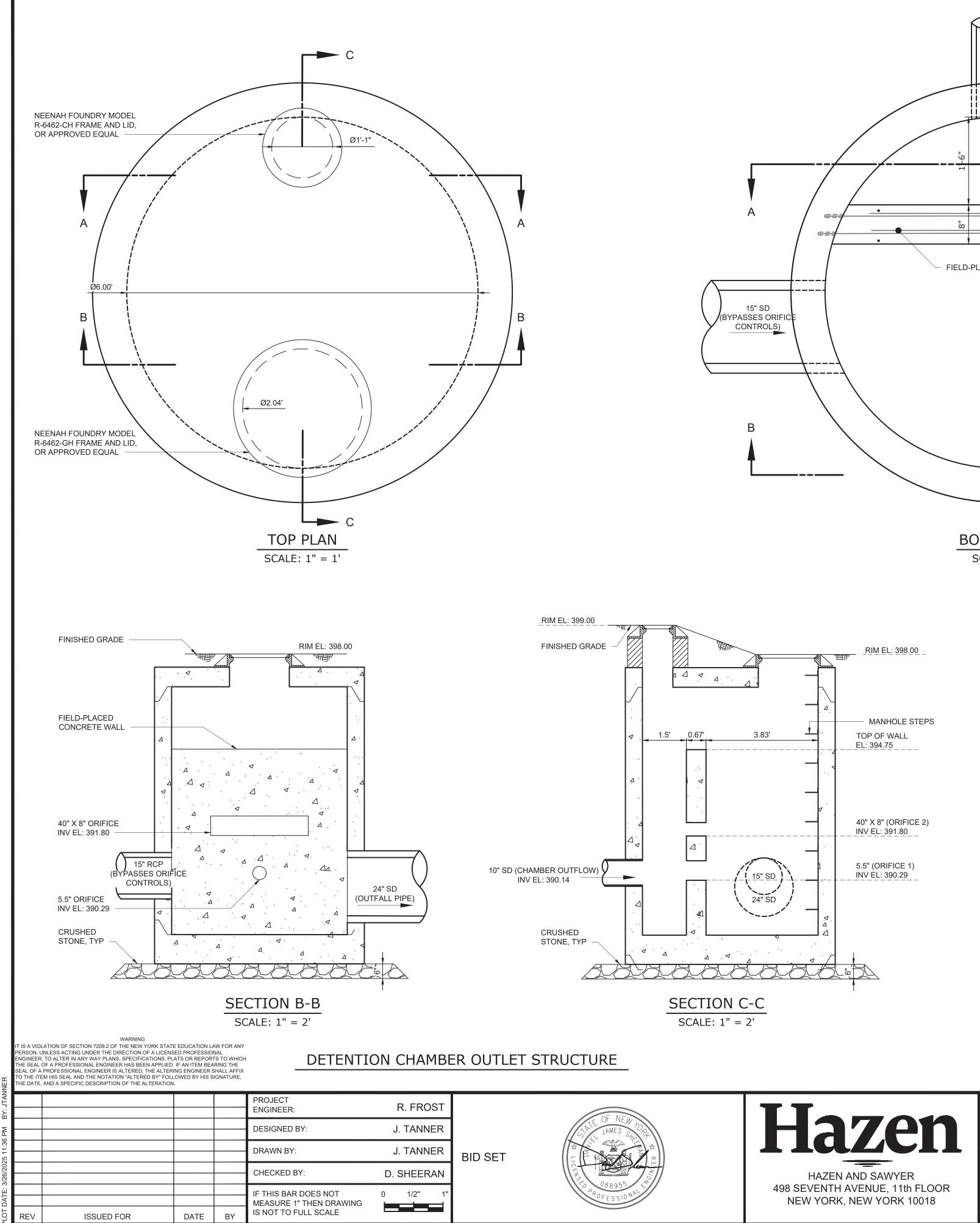


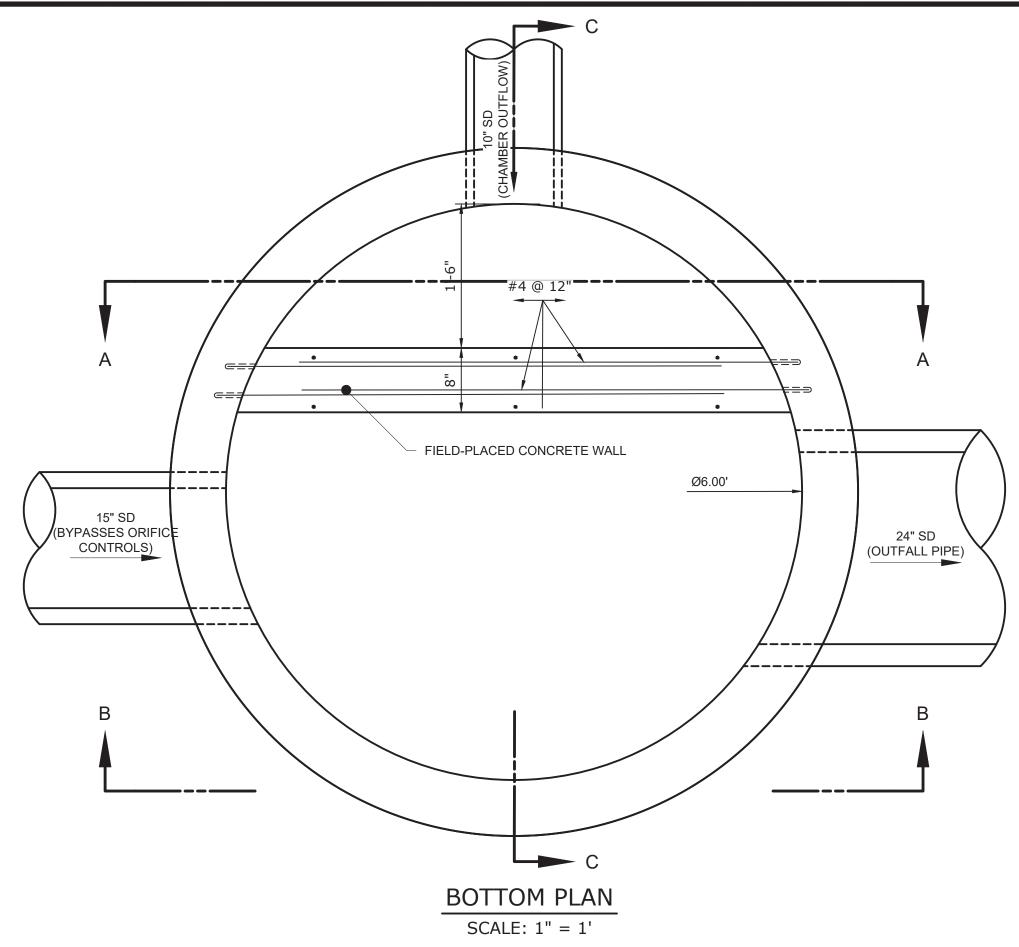
WESTCHESTER JOINT WATER WORKS

RYE LAKE WATER FILTRATION PLANT









OUTLET SUMMARY TABLE

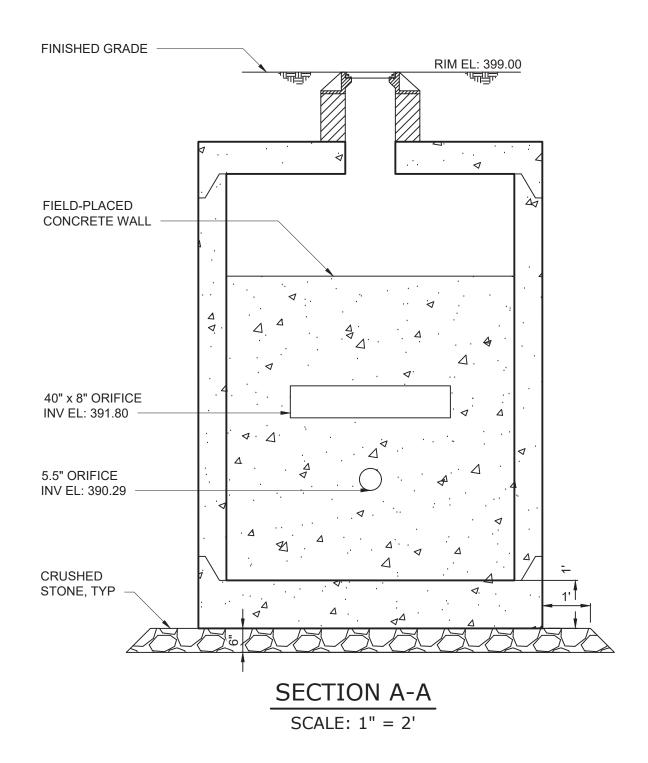
OPENING DESC.	SIZE	INV IN EL	INV OUT EL	STRUCTURE	DRAWING	FUNCTION
POND DRAIN	12" DIA. PIPE	391.00	N/A	WETLAND OUTLET STRUCTURE	C-218	NORMALLY CLOSED, PROVIDED FOR MAINTANENCE
EXTENDED DETENTION	12" DIA. PIPE ¹	392.25	396.50 ²	WETLAND OUTLET STRUCTURE	C-218	SENDS WQv TO BIORETENTION SURFACE
OVERFLOW WEIR	7' W X 1' H	397.55	N/A	WETLAND OUTLET STRUCTURE	C-218	DIRECTS FLOWS GREATER THAN THE 1- YR TO DETENTION CHAMBERS
PIPE TO DETENTION CHAMBERS	18" DIA PIPE	N/A	391.00	WETLAND OUTLET STRUCTURE	C-218	DIRECTS FLOWS GREATER THAN THE 1- YR TO DETENTION CHAMBERS
EMERGENCY SPILLWAY	8' WIDE WEIR	398.75	398.75	WETLAND EMBANKMENT	C-211	EMERGENCY SPILLWAY FOR STORMS GREATER THAN 500-YR
CHAMBER OUTFLOW PIPE	10" DIA PIPE	390.14	N/A	DETENTION CHAMBER OUTLET STRUCTURE	C-219	PIPED CONNECTION BETWEEN CHAMBERS AND OUTLET STRUCTURE
NON-SMP INFLOW PIPE	15" DIA PIPE	389.80	N/A	DETENTION CHAMBER OUTLET STRUCTURE	C-219	CONVEYS FLOWS FROM NON-SMP DRAINAGE AREAS AND BYPASSES THE ORIFICE CONTROLS WITHIN OUTLET STRUCTURE
ORIFICE 1	5.5" DIA	390.29	N/A	DETENTION CHAMBER OUTLET STRUCTURE	C-219	STORMS LESS THAN 10-YR EVENT
ORIFICE 2	40" W X 8" H	391.80	N/A	DETENTION CHAMBER OUTLET STRUCTURE	C-219	ACTIVATED DURING 10-YR STORM AND GREATER
OUTFALL PIPE	24" DIA. PIPE	N/A	389.05	DETENTION CHAMBER OUTLET STRUCTURE	C-219	CONVEYS FLOWS FROM CHAMBERS TO SITE OUTFALL
BIORETENTION OVERFLOW GRATE	(3) 6" DIA OPENINGS	396.75	N/A	BIORETENTION	C-211 AND C-217	CONNECTS BIORETENTION PONDING TO CHAMBERS

1. 12" GV PROVIDED ON PIPE INTERNAL TO OUTLET STRUCTURE. SEE NOTE 1, THIS DRAWING FOR EQUAVILENT AREA OPENING REQUIREMENT 2. INV OUT SERVES AS THE EFFECTIVE INV IN FOR THE EXTENDED DETENTION ORIFICE

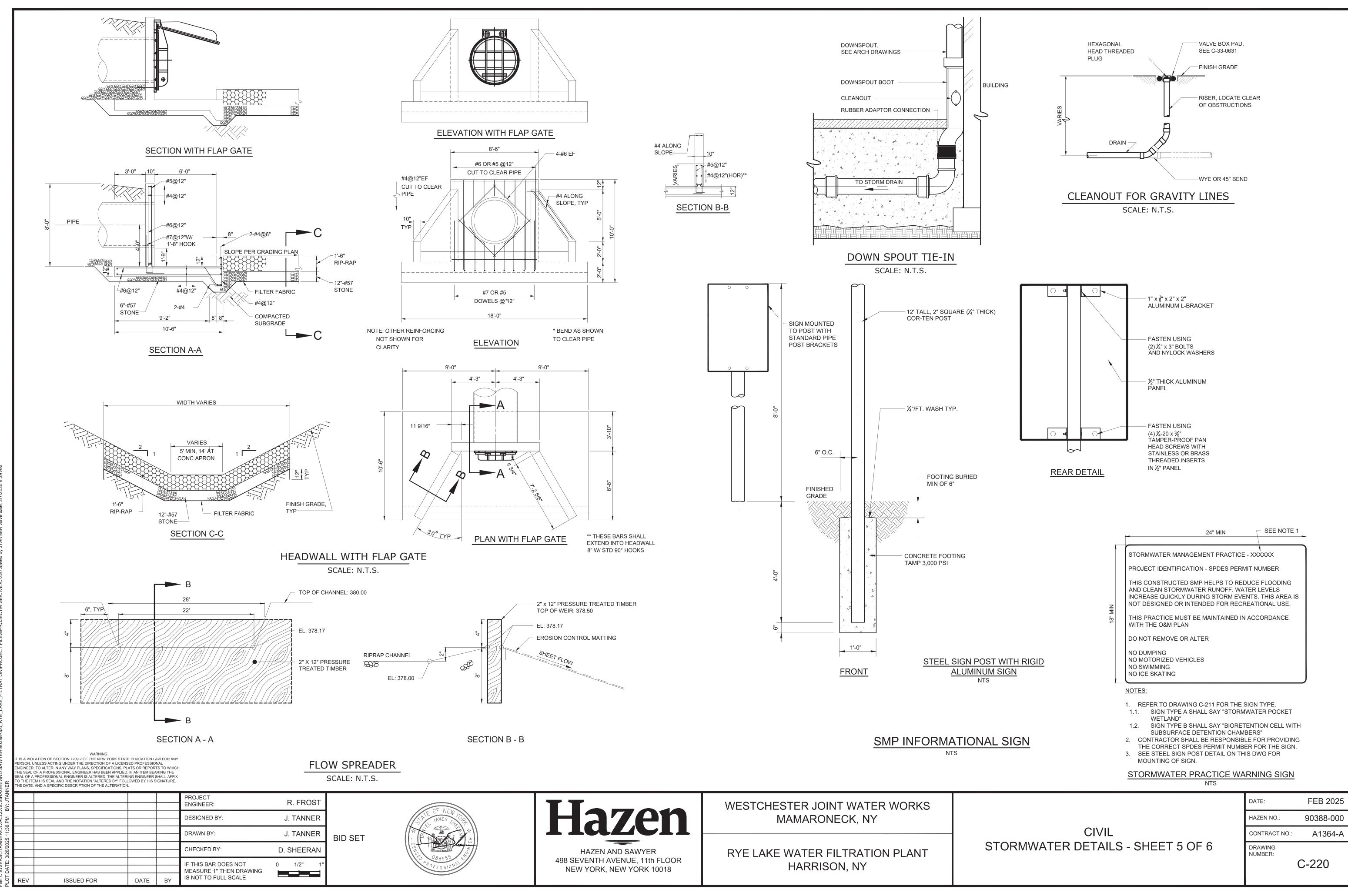
498 SEVENTH AVENUE, 11th FLOOR

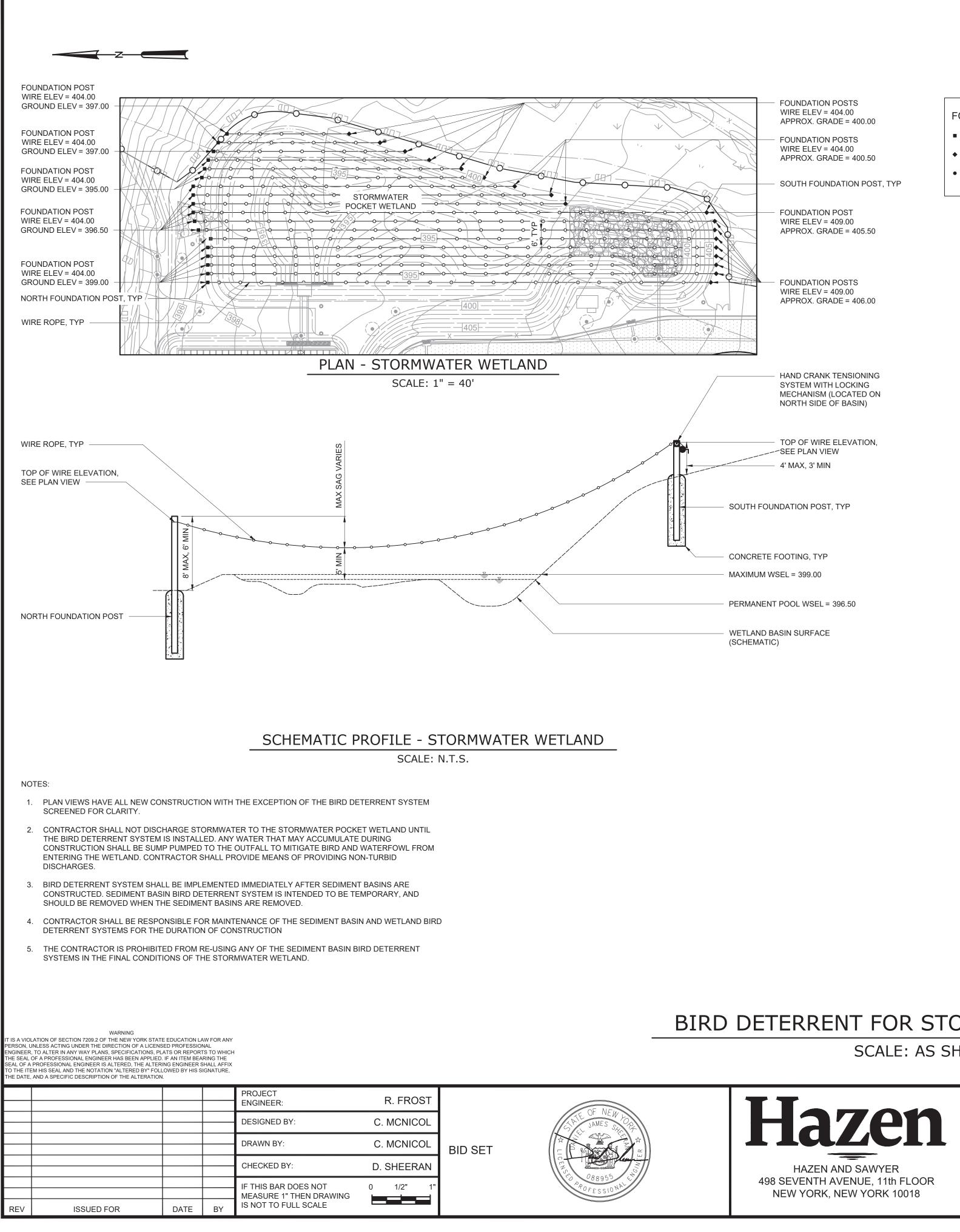
WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY



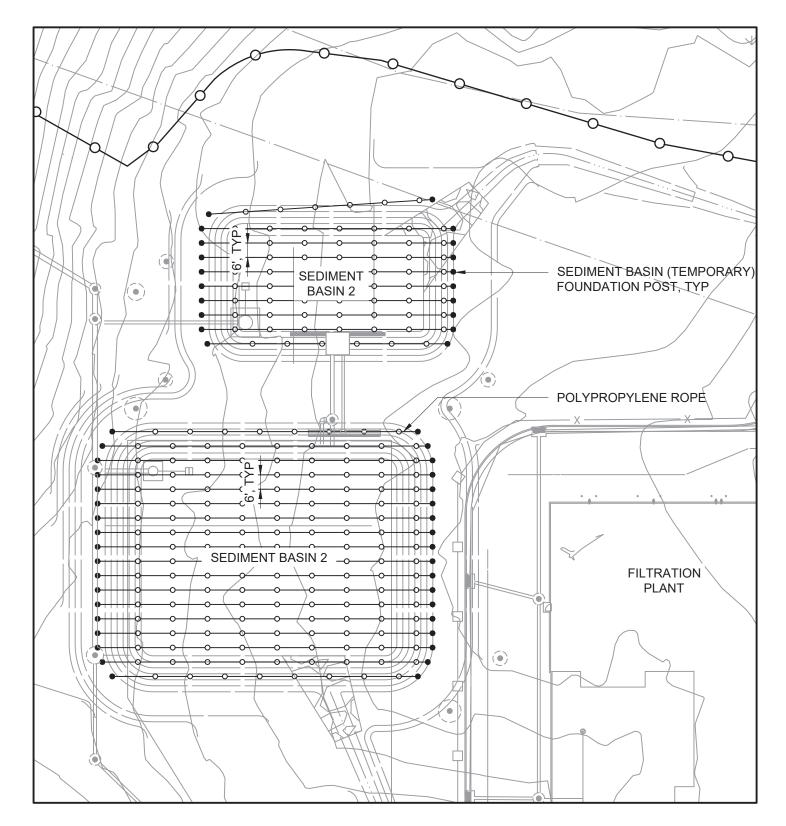
FEB 2025 DATE: 90388-000 HAZEN NO. CIVIL A1364-A CONTRACT NO .: STORMWATER DETAILS - SHEET 4 OF 6 DRAWING NUMBER: C-219



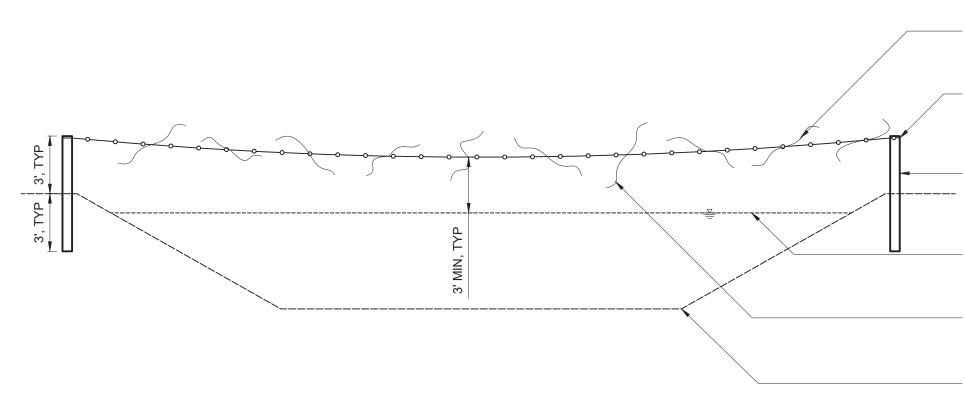


FOUNDATION POST LEGEND

- NORTH FOUNDATION POST
- ♦ SOUTH FOUNDATION POST
- SEDIMENT BASIN (TEMPORARY) FOUNDATION POST







BIRD DETERRENT FOR STORMWATER SYSTEMS

SCALE: AS SHOWN

498 SEVENTH AVENUE, 11th FLOOR NEW YORK, NEW YORK 10018

WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY

S

PLAN - SEDIMENT BASINS SCALE: 1" = 40'

BRIGHTLY COLORED ³/₁₆" TWISTED POLYPROPYLENE ROPE

ATTACH ROPE TO POSTS WITH 120 LB TENSILE STRENGTH UV STABLE ZIP TIES

"T" OR "U" SHAPED STEEL POSTS

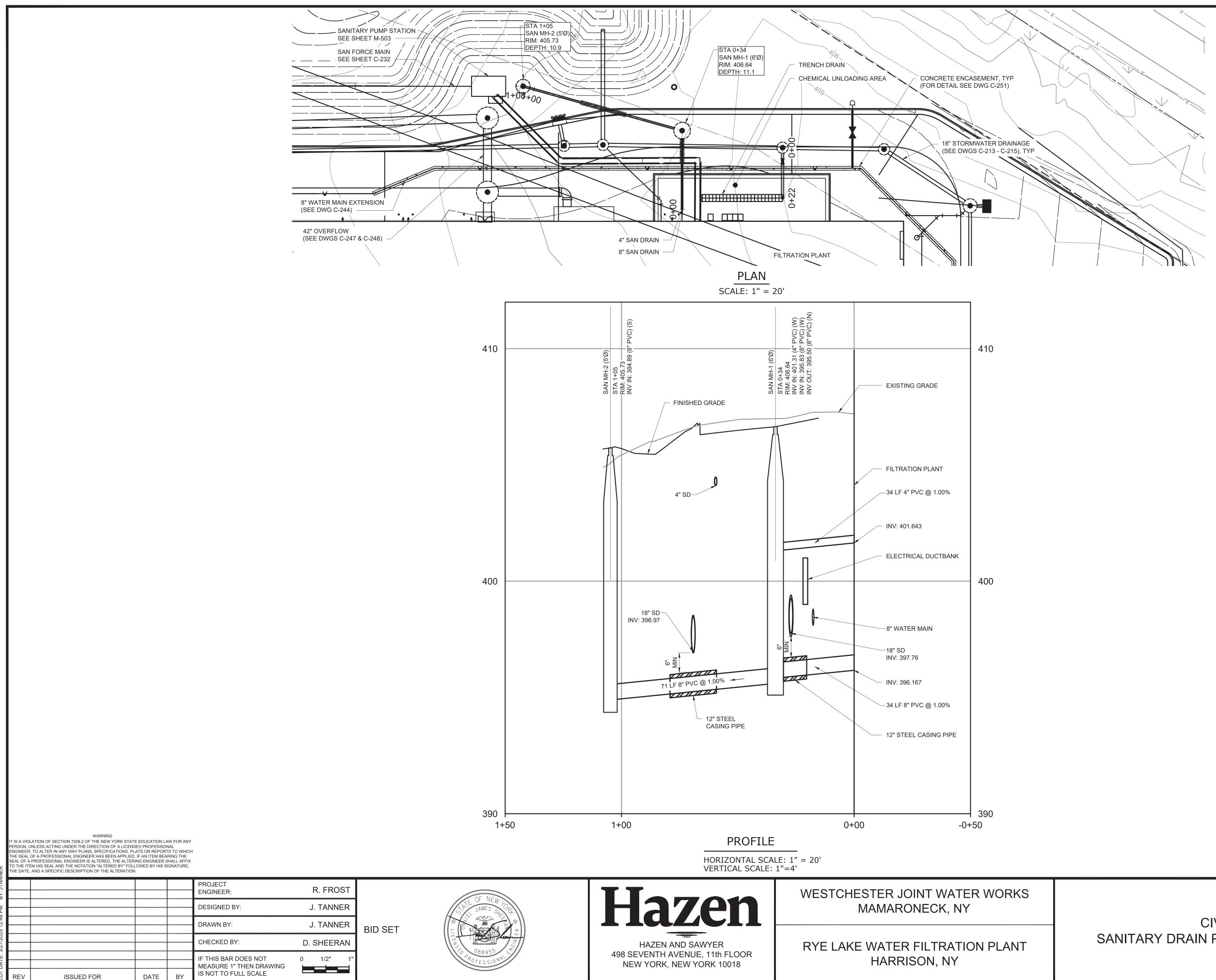
MAXIMUM BASIN WSEL (RISER CREST ELEVATION)

TIE PIECES (2 TO 3-FT LENGTHS) OF IRRI-TAPE, OR APPROVED EQUAL, TO ROPE AT 5' INTERVALS

SEDIMENT BASIN SURFACE (SCHEMATIC)

SCHEMATIC PROFILE - SEDIMENT BASINS SCALE: N.T.S.

CIVIL STORMWATER DETAILS - SHEET 6 OF 6	DATE:	FEB 2025
	HAZEN NO.:	90388-000
	CONTRACT NO .:	A1364-A
	DRAWING NUMBER:	0.001
		C-221



ilie: C:\USERS\JTANNER\DC\ACCDOCS\HAZEN AND SAWYER\90388-000_RYE_LAKE_FILTRATION\PROJECT FILES\PROJECTWISE\CIVIL\C-231 Saved by JTANNER Save date: 3/27/2025 12:4

WCDOH NOTE:

THE SANITARY FORCE MAIN DESIGN WILL BE SUBMITTED UNDER SEPARATE COVER AS PART OF THE WESTCHESTER COUNTY AIRPORT SEWER PROJECT.

HORIZONTAL SCALE: 1" = 20' 20 10 0 20' 4 2 0 VERTICAL SCALE: 1"=4'

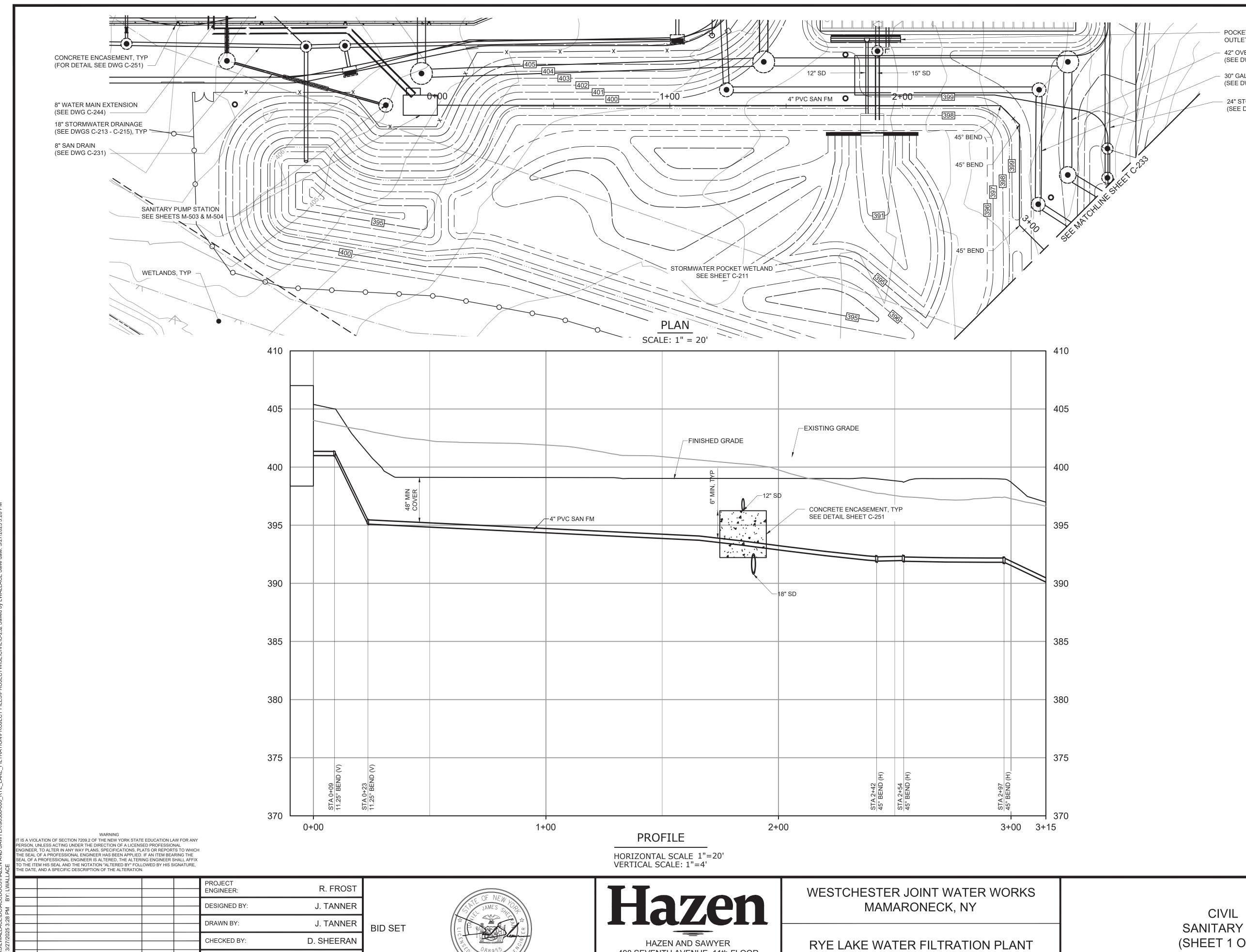
DATE:

CIVIL CONTRACT
SANITARY DRAIN PLAN AND PROFILE
DRAWING
NUMBER:

HAZEN NO.: 90388-000 CONTRACT NO.: A1364-A DRAWING NUMBER:

C-231

FEB 2025



ISSUED FOR

DATE

ΒY

IF THIS BAR DOES NOT

MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

0 1/2"

498 SEVENTH AVENUE, 11th FLOOR NEW YORK, NEW YORK 10018

HARRISON, NY

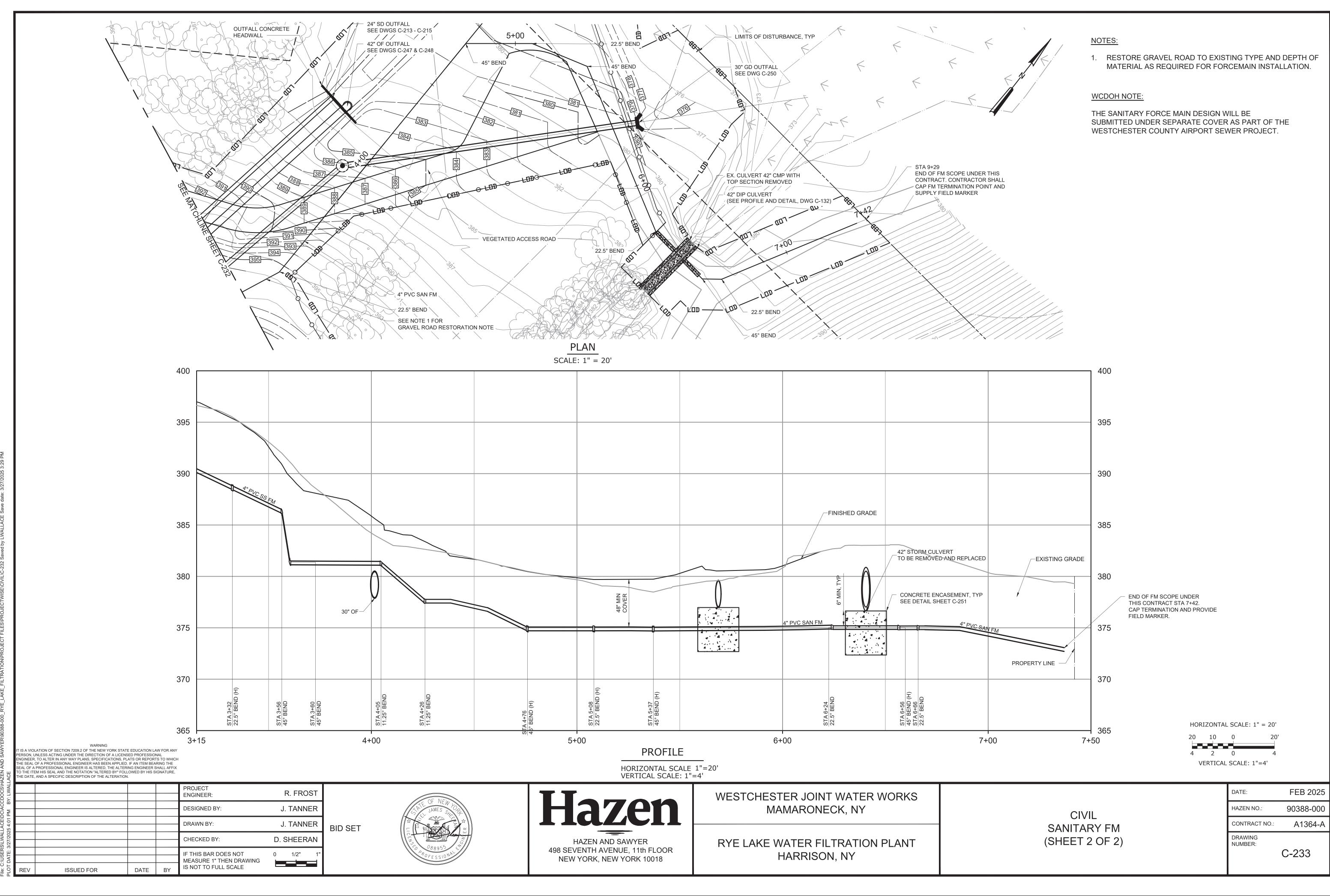
POCKET WETLAND OUTLET STRUCTURE 42" OVERFLOW (SEE DWGS C-247 & C-248) 30" GALLERY DRAIN (SEE DWGS C-250 24" STORMWATER DRAINAGE (SEE DWGS C-213 - C-215), TYP

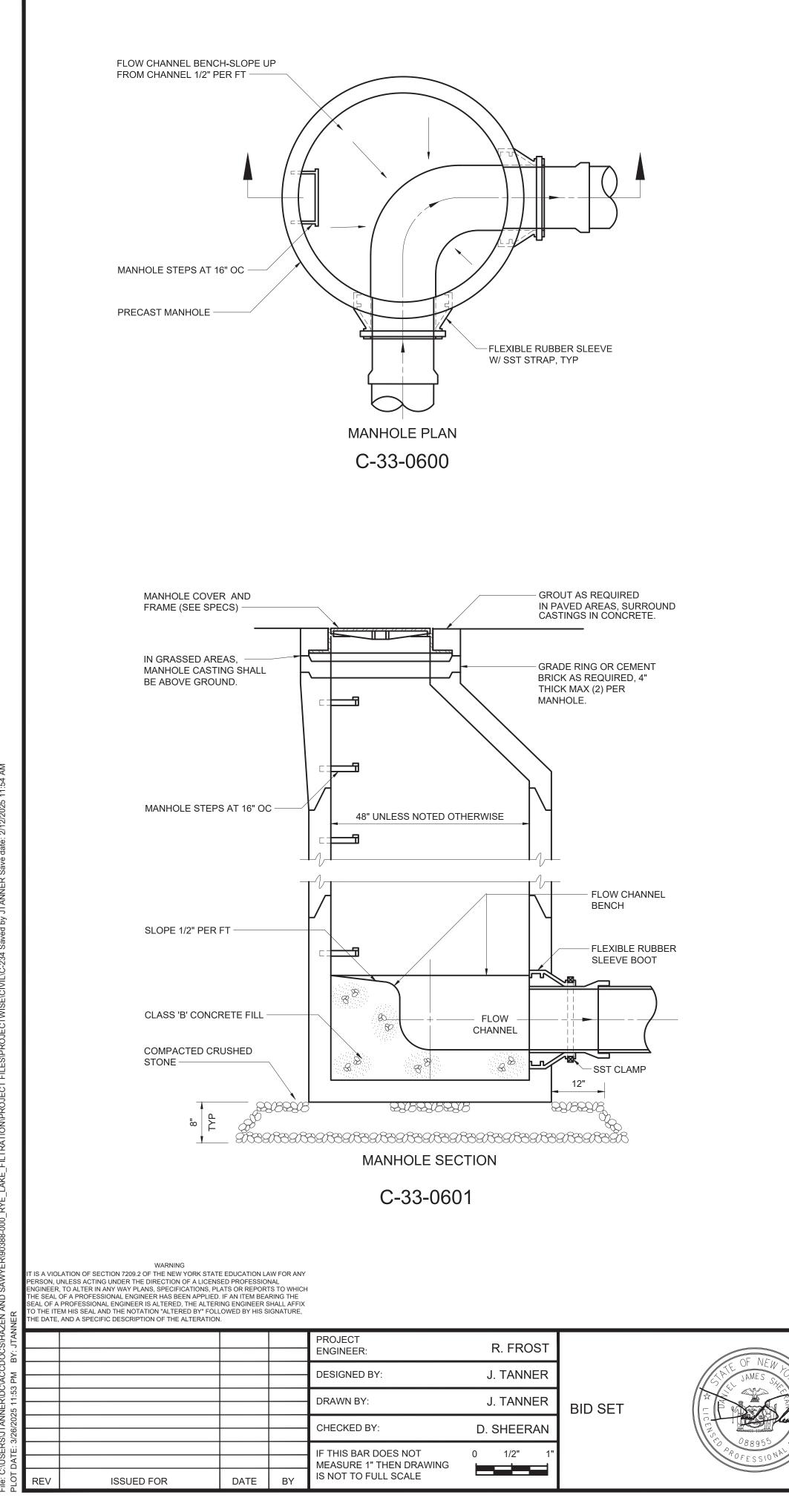
WCDOH NOTE:

THE SANITARY FORCE MAIN DESIGN WILL BE SUBMITTED UNDER SEPARATE COVER AS PART OF THE WESTCHESTER COUNTY AIRPORT SEWER PROJECT.

HC	ORIZ	ZONT	AL S	SCALE:	1" = 2	20'
20		10	(C		20'
4		2	(C		4
	VE	RTIC	AL S	CALE:	1"=4'	

FEB 2025 DATE: HAZEN NO. 90388-000 CONTRACT NO.: A1364-A SANITARY FM DRAWING NUMBER: (SHEET 1 OF 2) C-232





OVERFLOW AND GALLERY DRAIN STRUCTURE TABLE

	STRUCTURE TABLE						
STRUCTURE ID:	NORTHING	EASTING	DETAIL DWG	INNER DIMENSION (INCHES)			
OF MH-01	813680.50	707691.90	C-234	96			
OF MH-02	813680.50	707817.92	C-234	96			
OF MH-03	813811.27	707817.92	C-234	96			
GD MH-5	813659.51	707713.88	C-234	48			
GD MH-3	813798.91	707829.92	C-234	48			
OF MH-04	813811.25	707866.55	C-234	SEE DETAIL			
GD MH-2	813798.55	707879.18	C-234	60			
GD MH-1	813873.90	707927.78	C-234	60			
OF MH-05	813533.32	707791.04	C-234	96			
GD MH-4	813664.47	707829.92	C-234	60			
OF MH-06	813533.32	707822.91	C-234	96			

SANITARY SEWER STRUCTURE TABLE

STRUCTURE TABLE							
STRUCTURE ID:	NORTHING	EASTING	DETAIL DWG	INNER DIMENSION (INCHES)			
SAN MH-2	813517.97	707836.56	M-503 & M-504	60			
SAN MH-1	813449.64	707817.48	C-234	72			



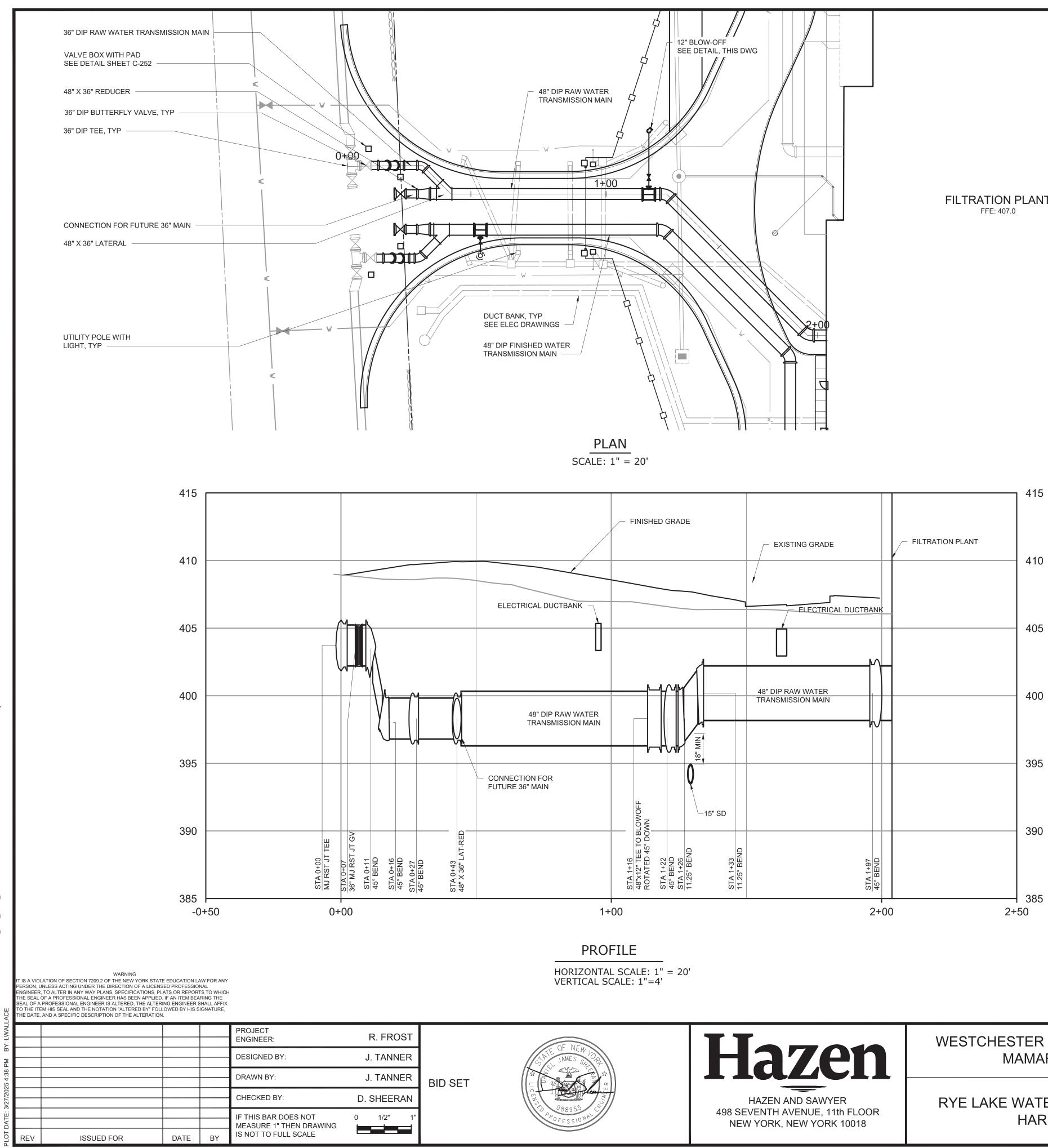
HAZEN AND SAWYER 498 SEVENTH AVENUE, 11th FLOOR NEW YORK, NEW YORK 10018

WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

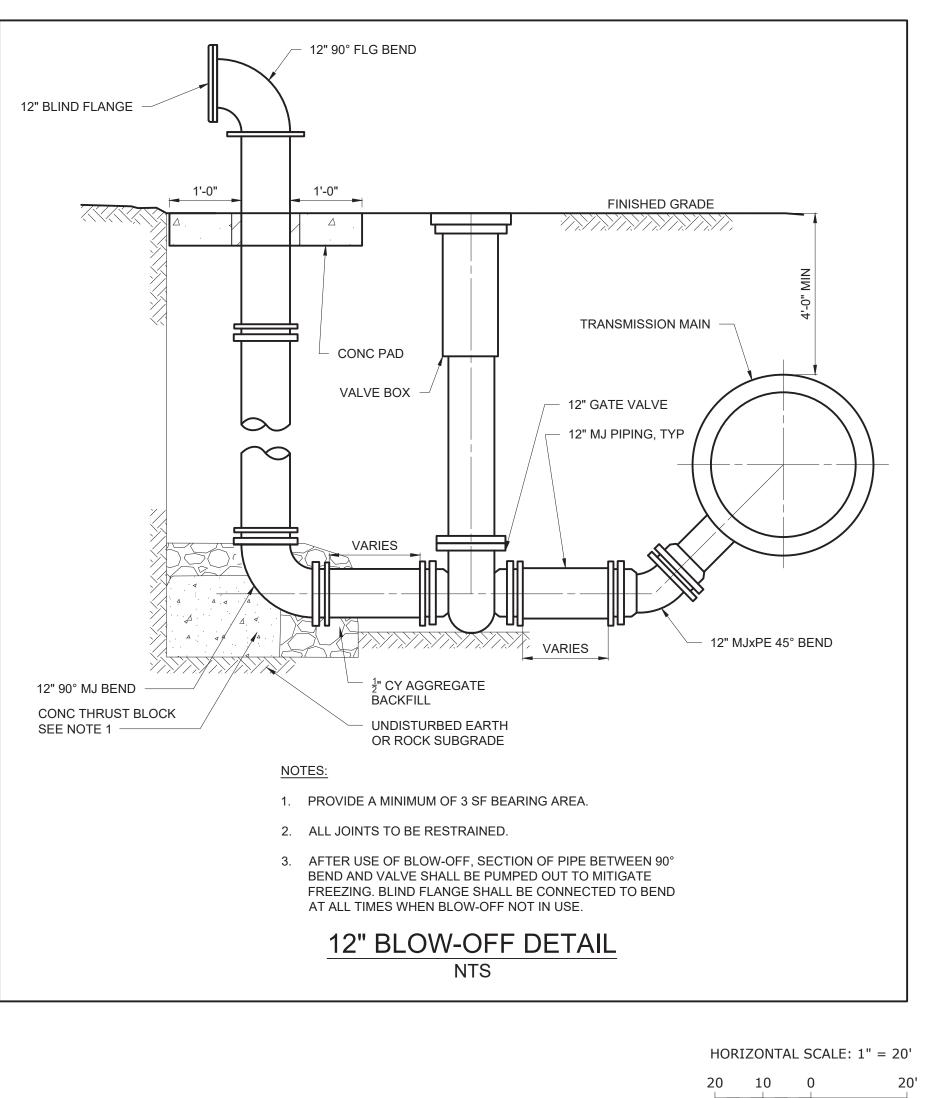
RYE LAKE WATER FILTRATION PLANT HARRISON, NY

S

	DATE:	FEB 2025
	HAZEN NO.:	90388-000
CIVIL	CONTRACT NO .:	A1364-A
SANITARY AND STORM DRAIN DETAILS	DRAWING NUMBER:	C-234







WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY

NOTES:

- 1. ALL VALVES SHALL BE GATE UNLESS OTHERWISE NOTED.
- 2. GATE VALVES ON TRANSMISSION MAINS SHALL BE INSTALLED HORIZONTALLY. SEE DETAIL SHEET C-252.
- 3. CONTRACTOR SHALL PROVIDE ADEQUATE THRUST
- **BLOCKING OR JOINT RESTRAINT TO PROTECT EXISTING** TRANSMISSION MAIN. BYPASS LINE SHALL BE 36". 4. ALL DIP SHALL BE SPECIAL THICKNESS CLASS 53 WITH
- MECHANICAL JOINT FITTINGS AND RESTRAINED JOINTS GLANDS. ALL JOINTS SHALL BE RESTRAINED. ALL DIP PIPES SHALL BE DOUBLE CEMENT LINED ON THE INSIDE.
- 5. THE TEMPORARY 36" BUTTERFLY VALVES AND CONNECTING DIP BETWEEN THE RAW WATER AND FINISHED WATER TRANSMISSION HAVE BEEN REMOVED FOR CLARITY. SEE DRAWING C-131 FOR ADDITIONAL INFORMATION.

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4		2)	4
	VERT	ICAL	_ S(CALE: 1"=4'	

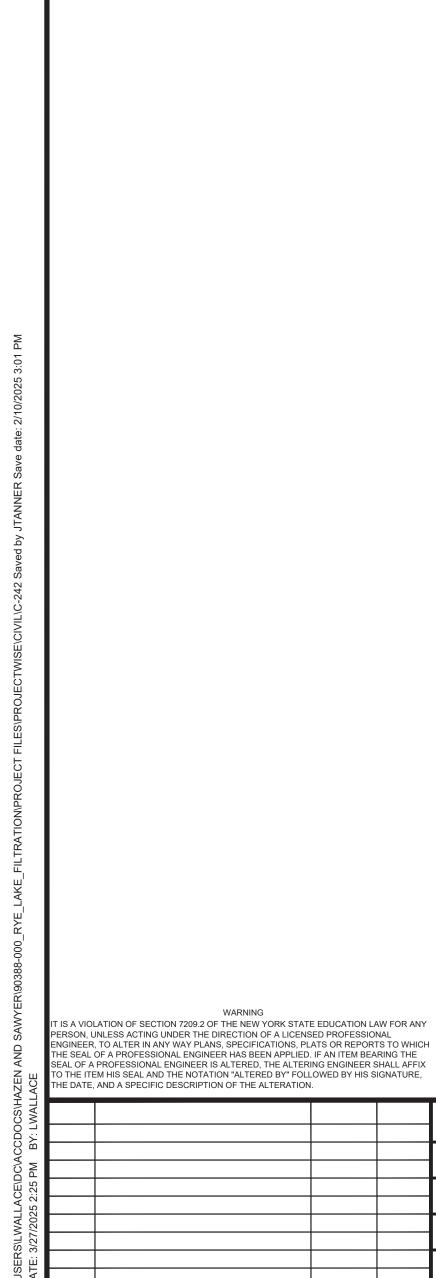
DATE:

CIVIL RAW WATER TRANSMISSION MAIN PLAN AND PROFILE

HAZEN NO.:	90388-000
CONTRACT NO .:	A1364-A
DRAWING NUMBER:	

C-241

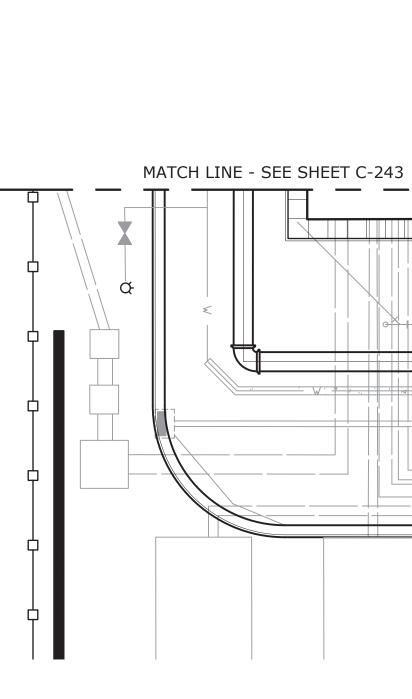
FEB 2025



SEAL OF A TO THE ITE	OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED PROFESSIONAL ENGINEER IS ALTERED, THE ALTEF EM HIS SEAL AND THE NOTATION "ALTERED BY" FOL AND A SPECIFIC DESCRIPTION OF THE ALTERATION	RING ENGINEER	SHALL AFFIX			
				PROJECT ENGINEER:	R. FROST	
				DESIGNED BY:	J. TANNER	
				DRAWN BY:	M. SEEBOLD	BID SET
				CHECKED BY:	D. SHEERAN	
				IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING	0 1/2" 1"	
REV	ISSUED FOR	DATE	BY	IS NOT TO FULL SCALE		

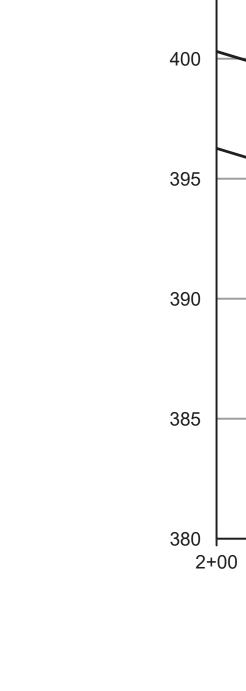
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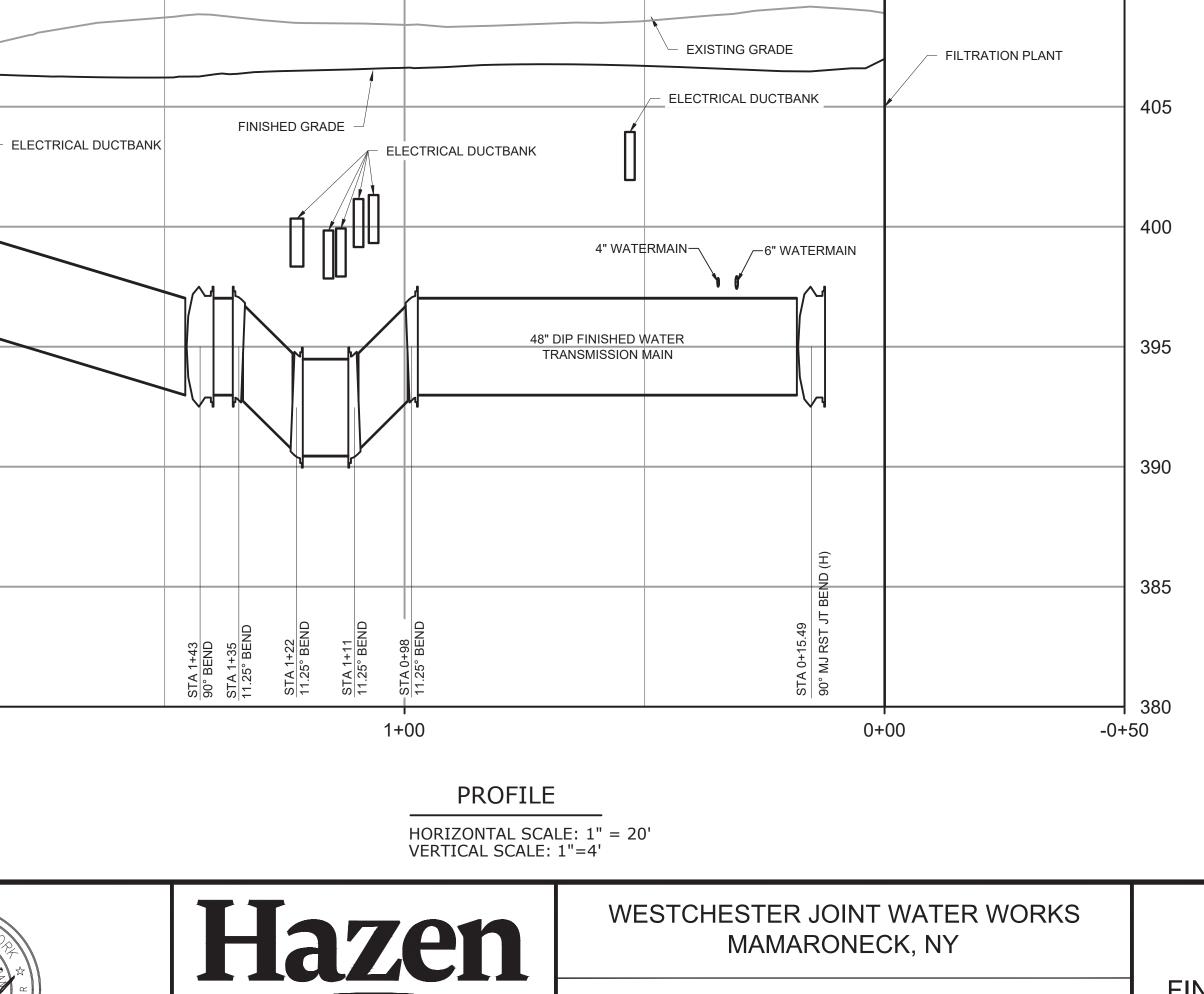
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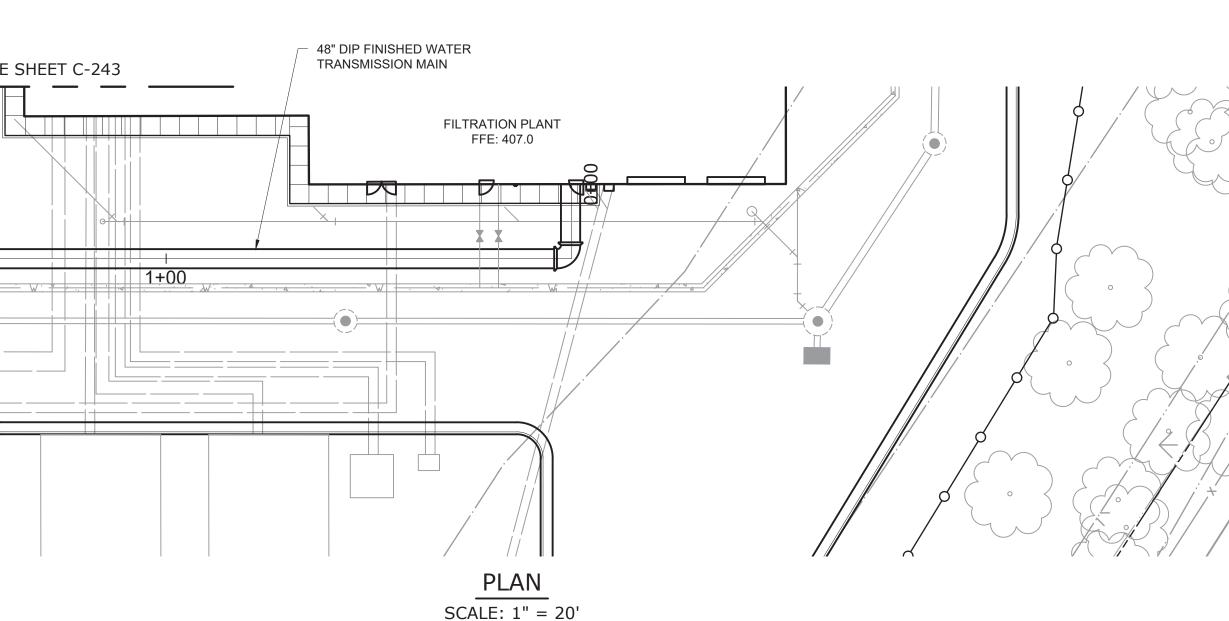
RYE LAKE WATER FILTRATION PLANT

HARRISON, NY

HAZEN AND SAWYER

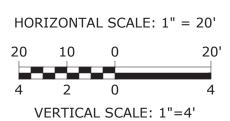
498 SEVENTH AVENUE, 11th FLOOR

NEW YORK, NEW YORK 10018



NOTES:

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- 2. GATE VALVES ON TRANSMISSION MAINS SHALL BE
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- **BLOCKING OR JOINT RESTRAINT TO PROTECT EXISTING** TRANSMISSION MAIN. BYPASS LINE SHALL BE 36". 4. ALL DIP SHALL BE SPECIAL THICKNESS CLASS 53 WITH
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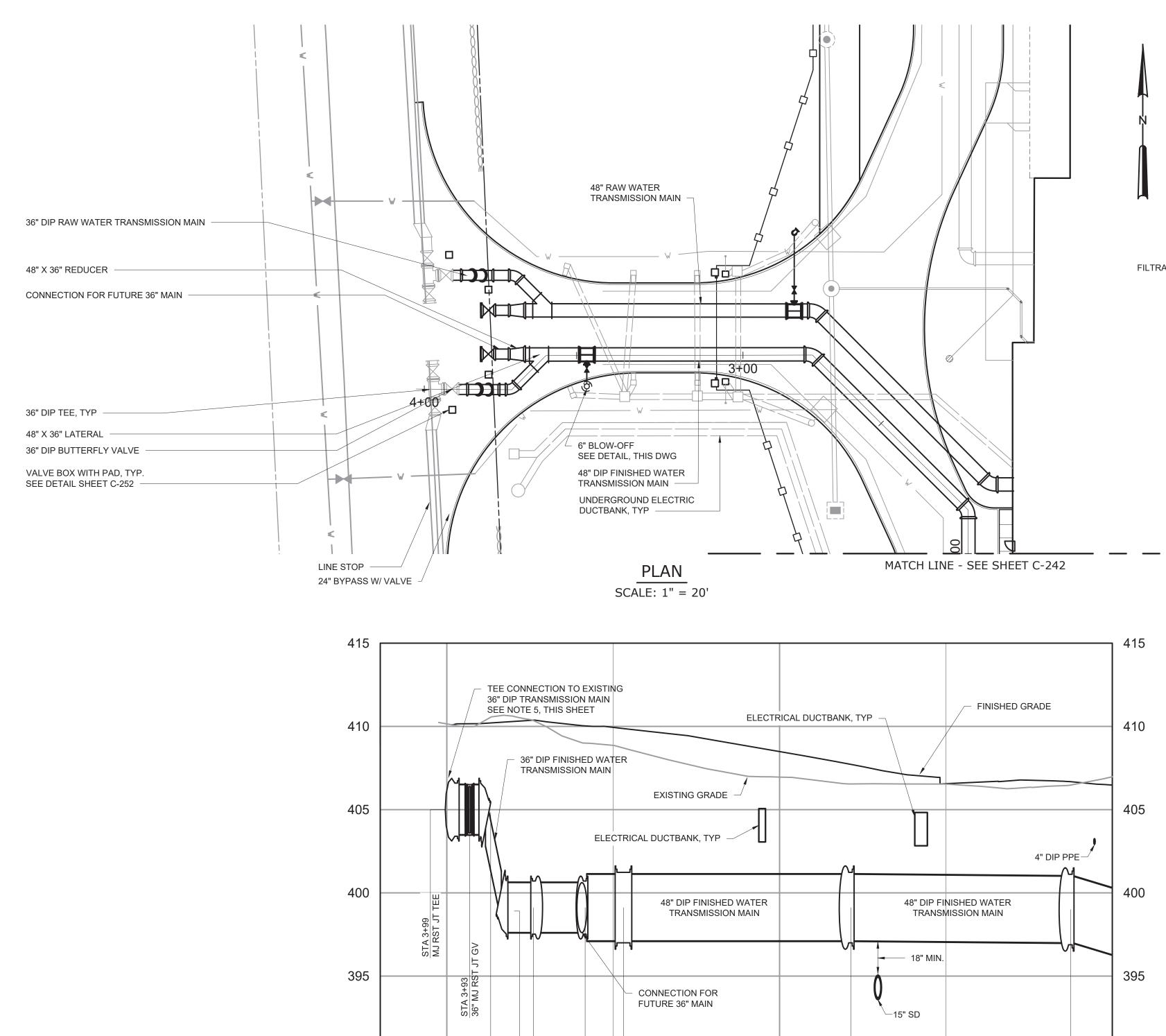


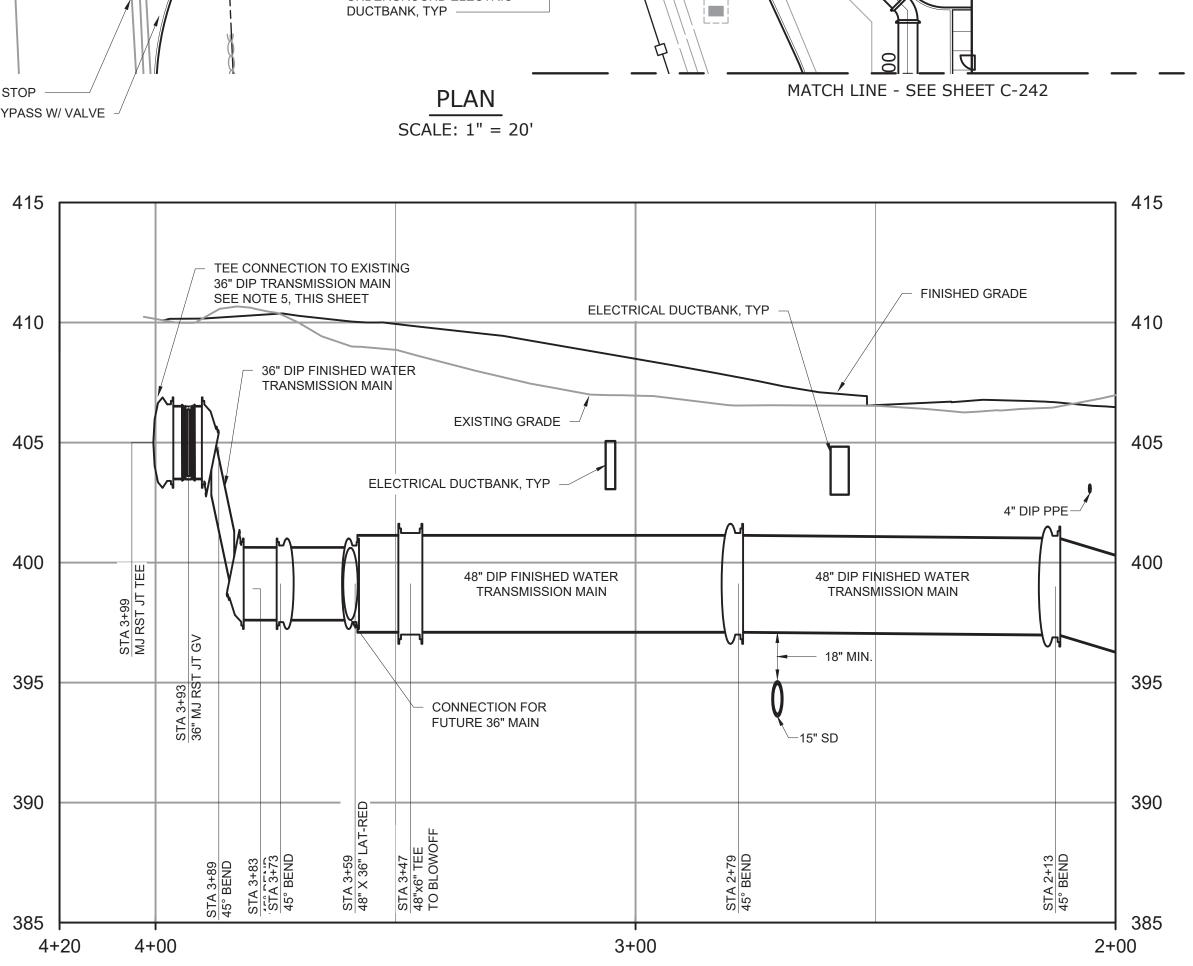
DATE:	FEB 2025
HAZEN NO.:	90388-000
CONTRACT NO	D.: A1364-A
DRAWING NUMBER:	C-242

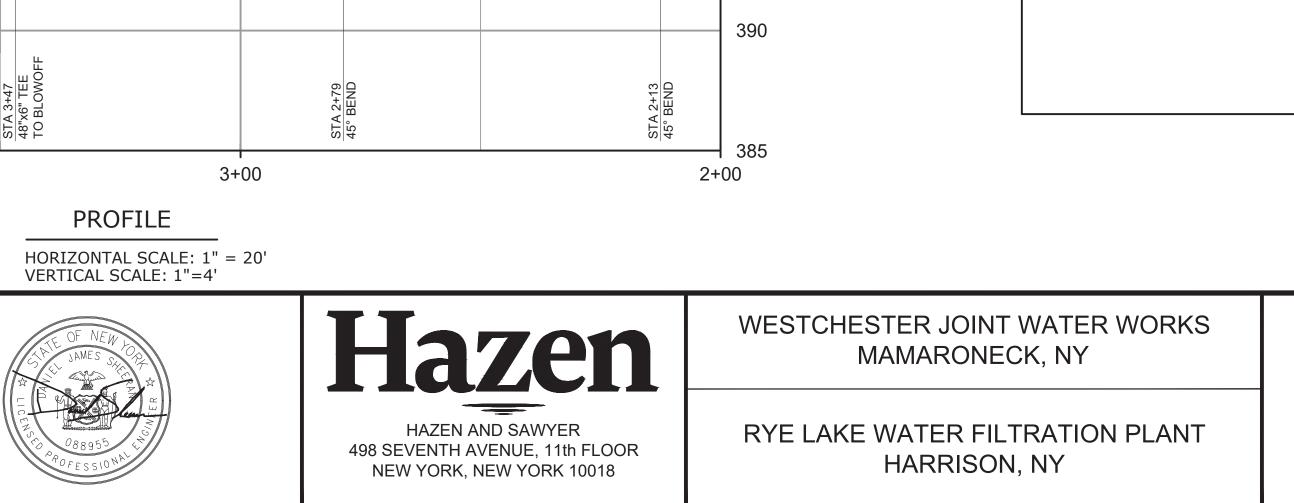
CIVIL FINISHED WATER TRANSMISSION MAIN PLAN AND PROFILE - SHEET 1 OF 2



410





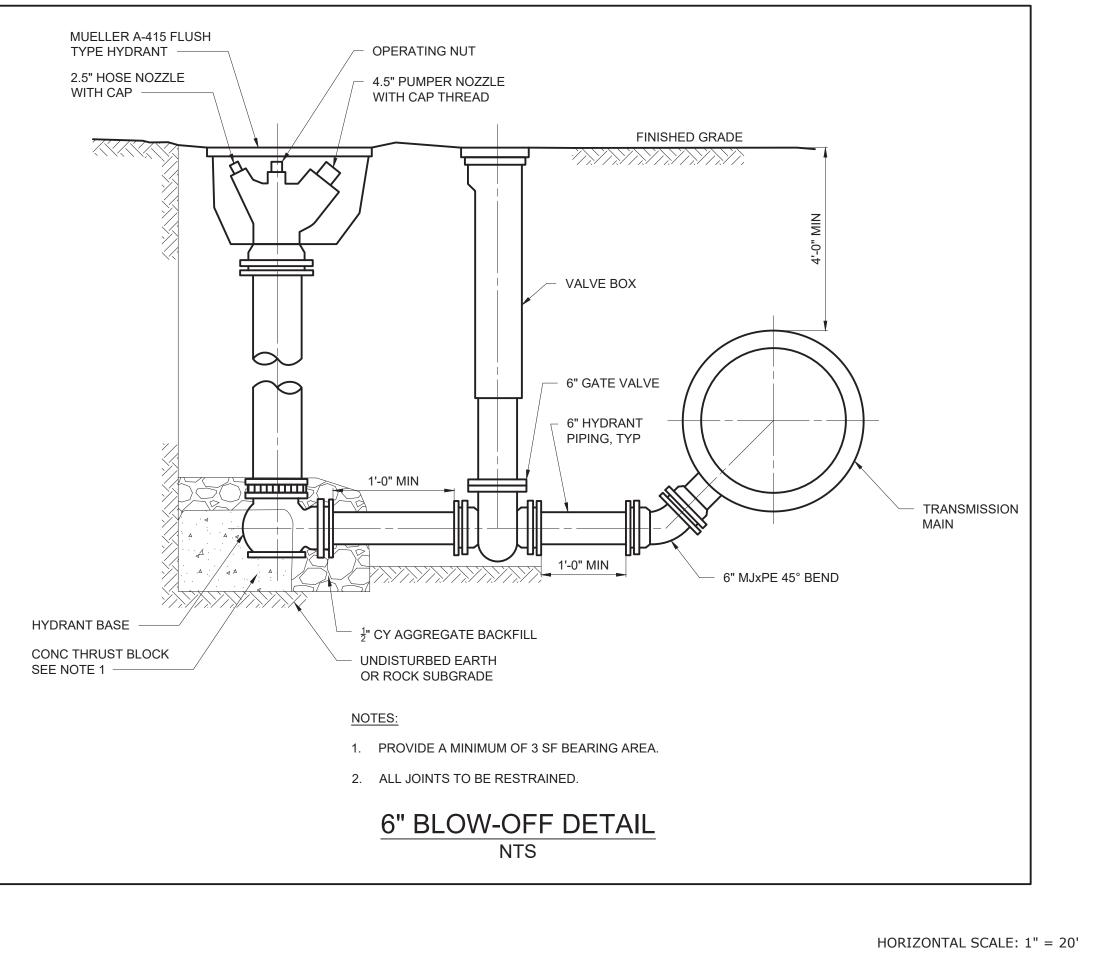


LACE	THE SEAL OF A SEAL OF A TO THE ITE	TO ALTER IN ANY WAT PLANS, SPECIFICATIONS, O F A PROFESSIONAL ENGINEER HAS BEEN APPLIED PROFESSIONAL ENGINEER IS ALTERED, THE ALTER M HIS SEAL AND THE NOTATION "ALTERED BY" FOL AND A SPECIFIC DESCRIPTION OF THE ALTERATION	D. IF AN ITEM BEA RING ENGINEER S LOWED BY HIS S	ARING THE SHALL AFFIX			
BY: LWALLACE					PROJECT ENGINEER:	R. FROST	
PM B					DESIGNED BY:	J. TANNER	
4:36					DRAWN BY:	M. SEEBOLD	BID SET
3/27/2025					CHECKED BY:	D. SHEERAN	
DATE: 3					IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING	0 1/2" 1"	
PLOT I	REV	ISSUED FOR	DATE	BY	IS NOT TO FULL SCALE		

WARNING

T IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY

ERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH FILTRATION PLANT



NOTES:

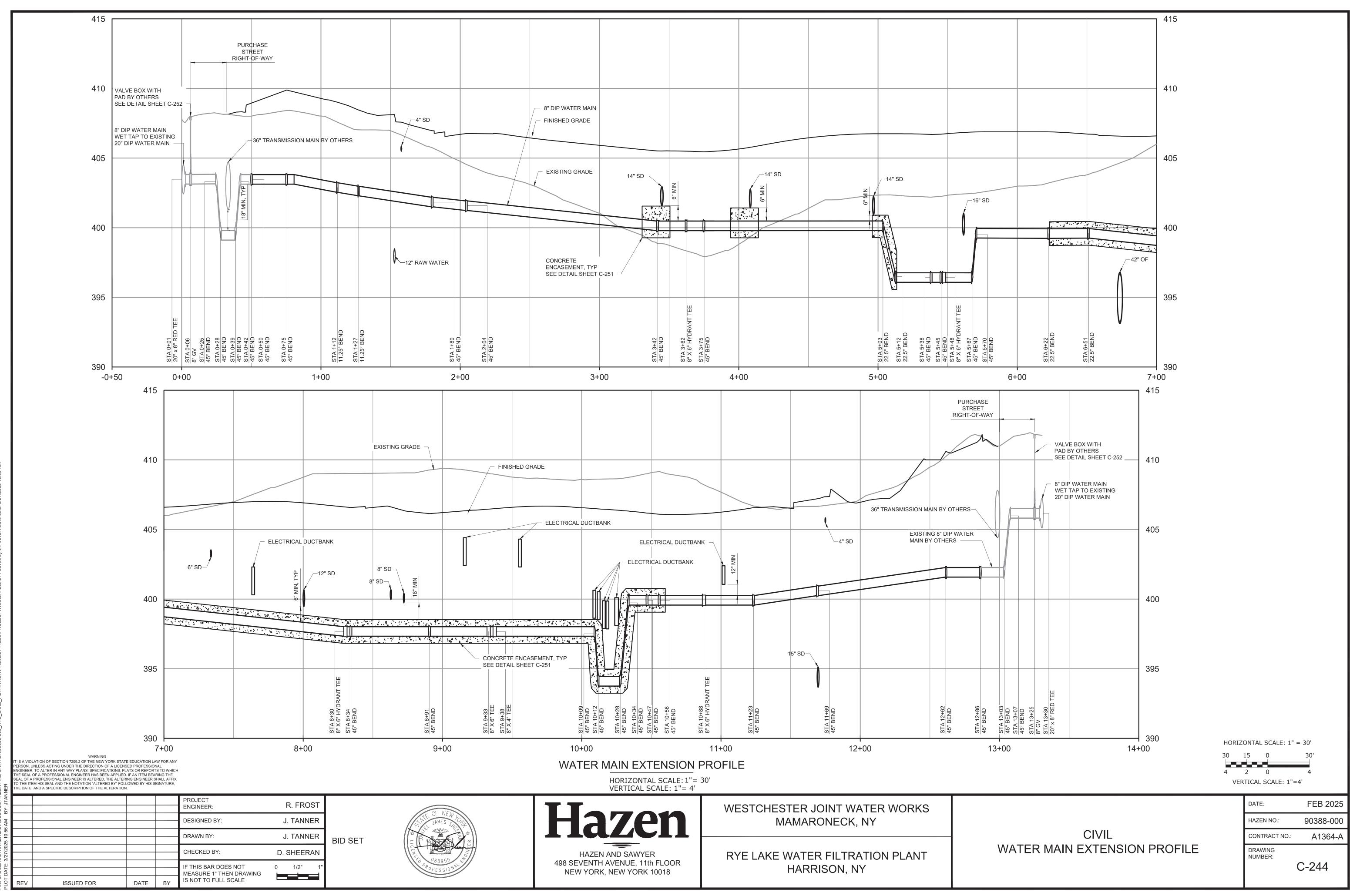
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- 3. CONTRACTOR SHALL PROVIDE ADEQUATE THRUST **BLOCKING OR JOINT RESTRAINT TO PROTECT EXISTING**
- TRANSMISSION MAIN. BYPASS LINE SHALL BE 36". 4. ALL DIP SHALL BE SPECIAL THICKNESS CLASS 53 WITH MECHANICAL JOINT FITTINGS AND RESTRAINED JOINTS GLANDS. ALL JOINTS SHALL BE RESTRAINED. ALL DIP PIPES
- SHALL BE DOUBLE CEMENT LINED ON THE INSIDE. 5. SEE YARD PIPING PLAN C-131 FOR LINESTOP AND BYPASS REQUIREMENTS FOR CONNECTION TO EXISTING 36" TRANSMISSION MAIN.
- 6. THE TEMPORARY 36" BUTTERFLY VALVES AND CONNECTING DIP BETWEEN THE RAW WATER AND FINISHED WATER TRANSMISSION HAVE BEEN REMOVED FOR CLARITY. SEE DRAWING C-131 FOR ADDITIONAL INFORMATION.

20 10 0 20' 4 2 0

VERTICAL SCALE: 1"=4'

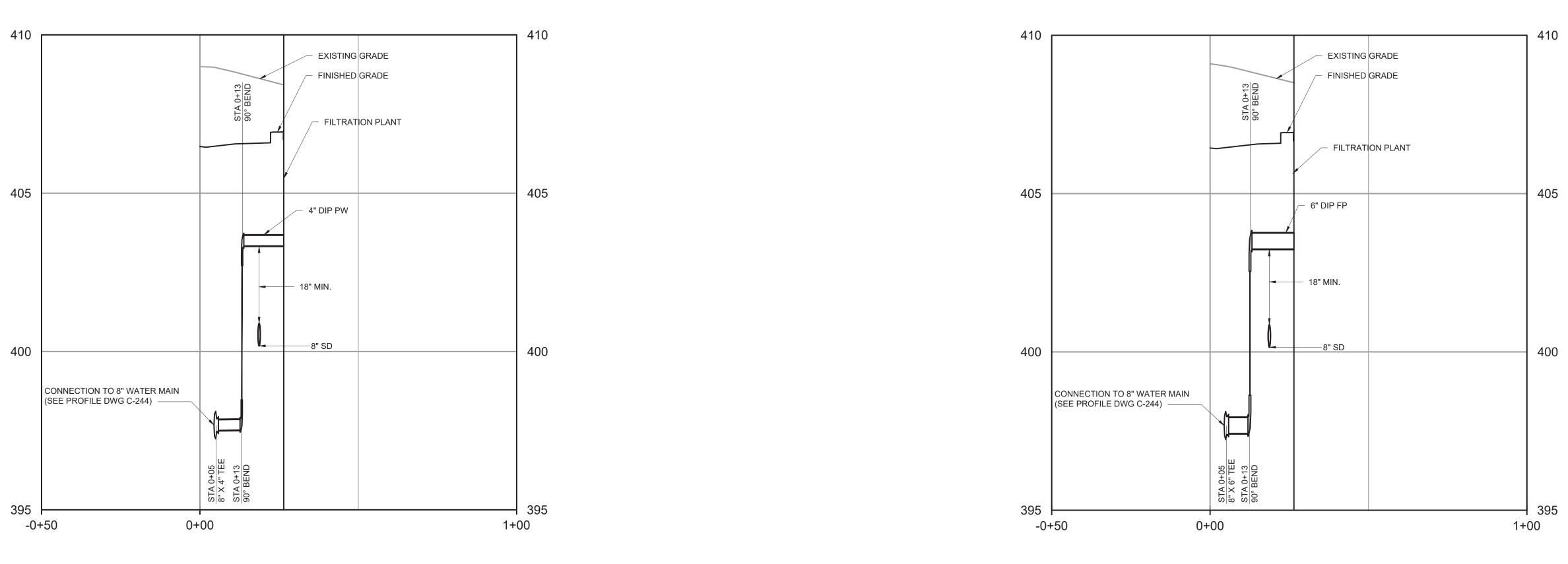
	DATE:	FEB 2025
	HAZEN NO.:	90388-000
I	CONTRACT NO .:	A1364-A
•	DRAWING NUMBER:	C-243

CIVIL FINISHED WATER TRANSMISSION MAIN PLAN AND PROFILE - SHEET 2 OF 2



IT IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ALTER ANY SEAL AND THE NOTATION FOR THE FOR DAY FOLLOWED BY UNS SCIENTATION.

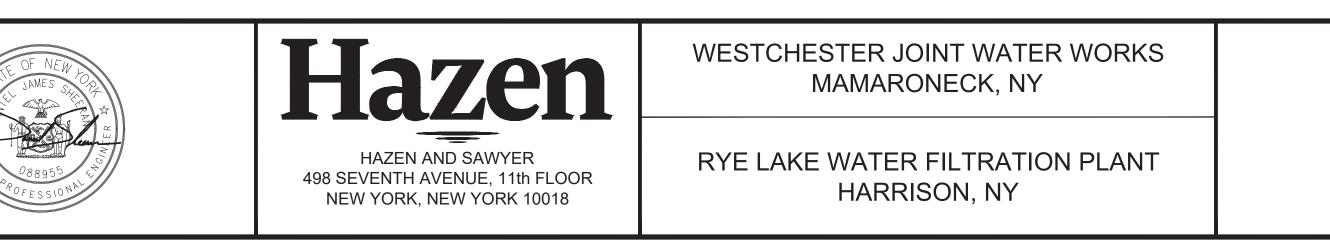
WARNING



POTABLE WATER (PW) PROFILE HORIZONTAL SCALE: 1"= 20' VERTICAL SCALE: 1"= 2'

				PROJECT ENGINEER:	R. FROST	
				DESIGNED BY:	J. TANNER	
				DRAWN BY:	J. TANNER	BID SET
				CHECKED BY:	D. SHEERAN	
				IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING	0 1/2" 1"	
REV	ISSUED FOR	DATE	BY	IS NOT TO FULL SCALE		

HORIZONTAL SCALE: 1"= 20' VERTICAL SCALE: 1"= 2'



	VERTICAL SCALE	. 1 =2
CIVIL	DATE:	FEB 2025
	HAZEN NO.:	90388-000
	CONTRACT NO .:	A1364-A
PW AND FP PROFILES	DRAWING NUMBER:	C-245

HORIZONTAL SCALE: 1" = 20' 20 10 0 20' 2 1 0 VERTICAL SCALE: 1"=2'

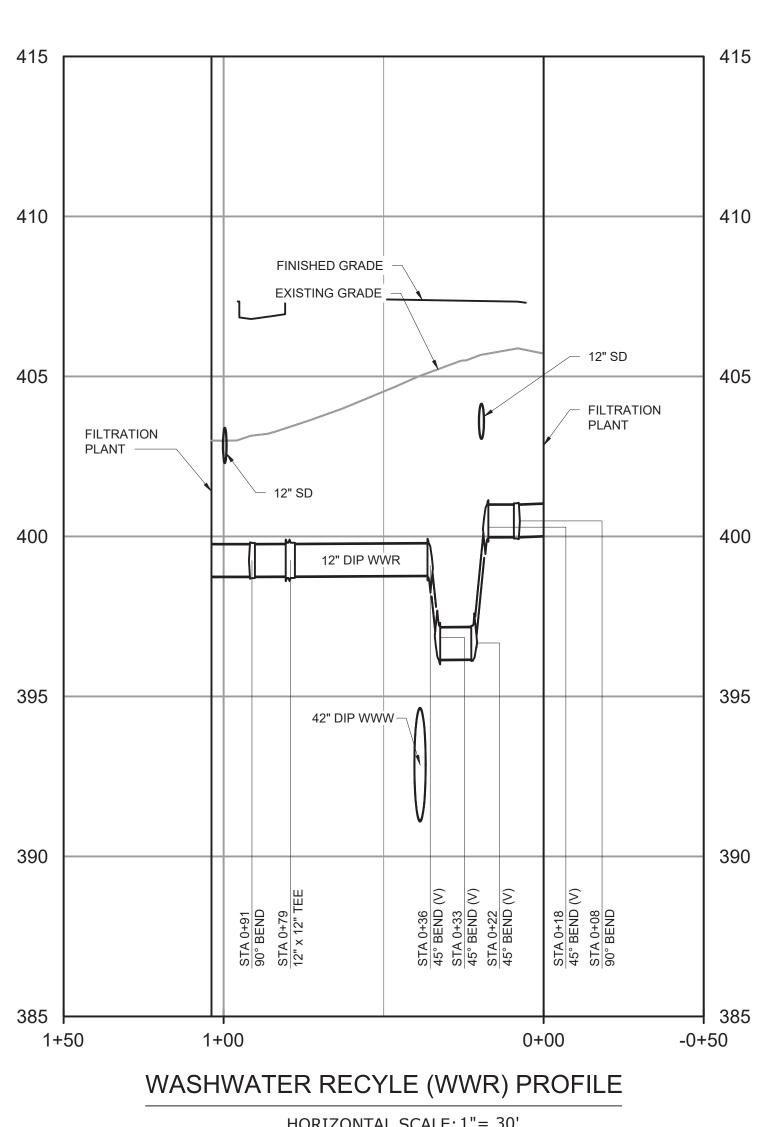
FIRE PROTECTION SERVICE (FP) PROFILE

:: C:\USERS\JTANNER\DC\ACCDOCS\HAZEN AND SAWYER\90388-000_RYE_LAKE_FILTRATION\PROJECT FILES\PROJECTWISE\CIVIL\C-246 Saved by JTANNER Save date: 3/27/2025 11:13 AM

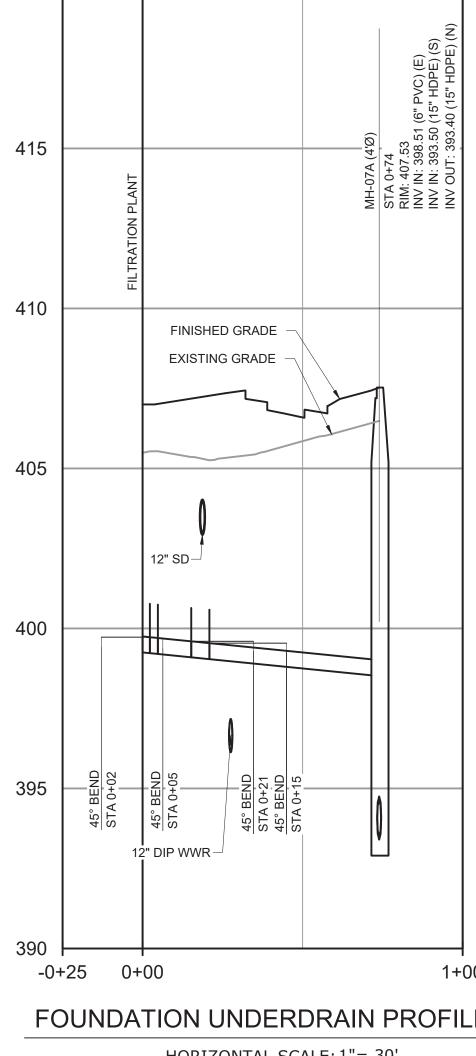
PLOT DATE: 3/27/2025 11:13 AM BY: JTANNER

JTANNER	SEAL OF A TO THE ITE	OF A PROFESSIONAL ENGINEER HAS BEEN APPLIEL PROFESSIONAL ENGINEER IS ALTERED, THE ALTEF EM HIS SEAL AND THE NOTATION "ALTERED BY" FOL , AND A SPECIFIC DESCRIPTION OF THE ALTERATION	LOWED BY HIS S	SHALL AFFIX			
BY: JTAN					PROJECT ENGINEER:	R. FROST	
AM					DESIGNED BY:	J. TANNER	
25 11:13					DRAWN BY:	J. TANNER	BID SET
3/27/2025					CHECKED BY:	D. SHEERAN	
DATE: 3					IF THIS BAR DOES NOT	0 1/2" 1"	
PLOT D/	REV	ISSUED FOR	DATE	BY	MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE		
-							

WARNING IT IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH



HORIZONTAL SCALE: 1"= 30' VERTICAL SCALE: 1"= 3'



420

HORIZONTAL SCALE: 1"= 30' VERTICAL SCALE: 1"= 3'



WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY

NOTES:

1. FOR PLAN INFORMATION SEE DWG C-131

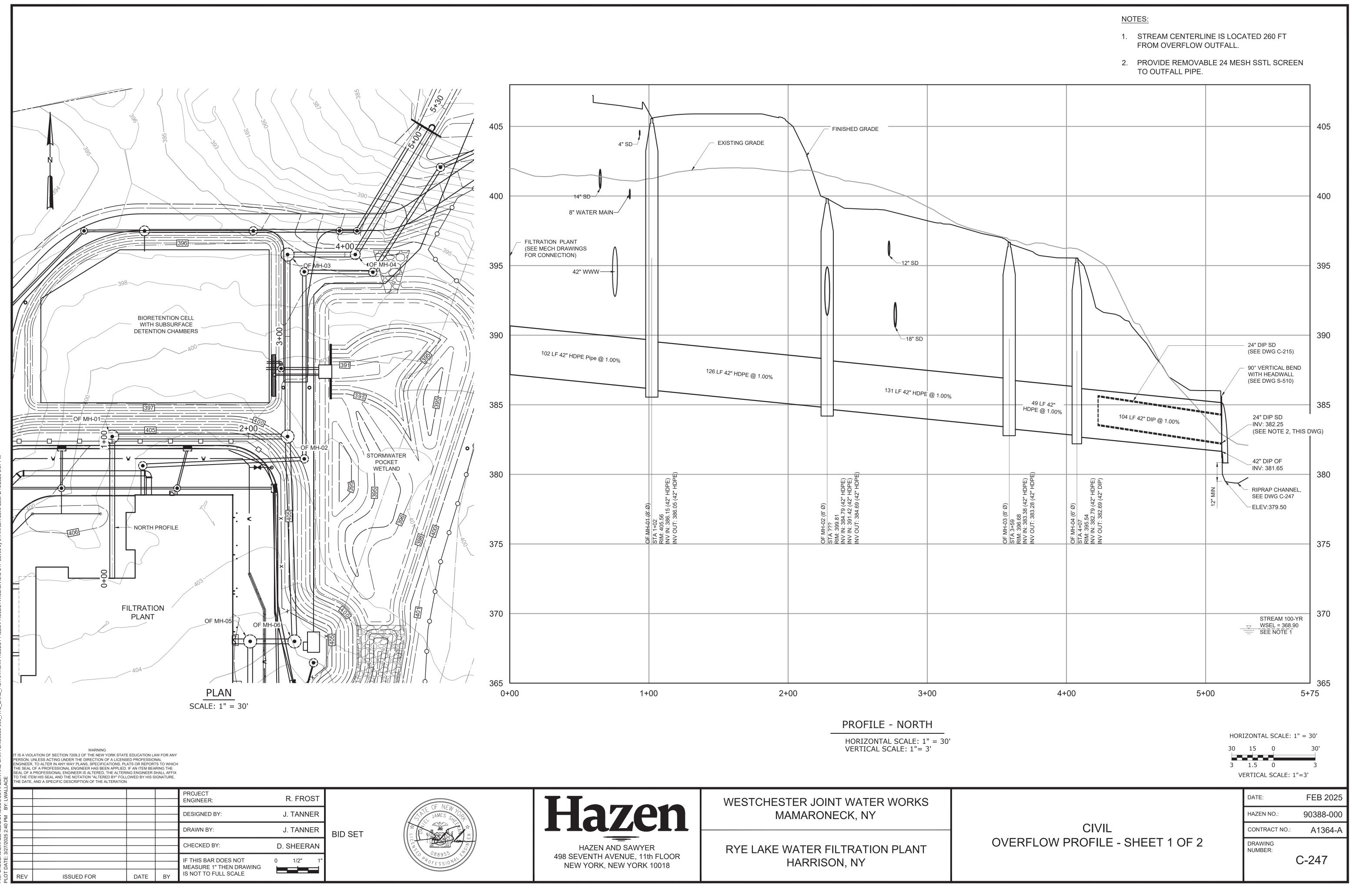
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390)0 _E	
	HORIZONTAL SCALE: $1'' = 30'$ 30 15 0 30' 3 1.5 0 3 VERTICAL SCALE: $1''=3'$
	DATE: FEB 2025
	HAZEN NO.: 90388-000

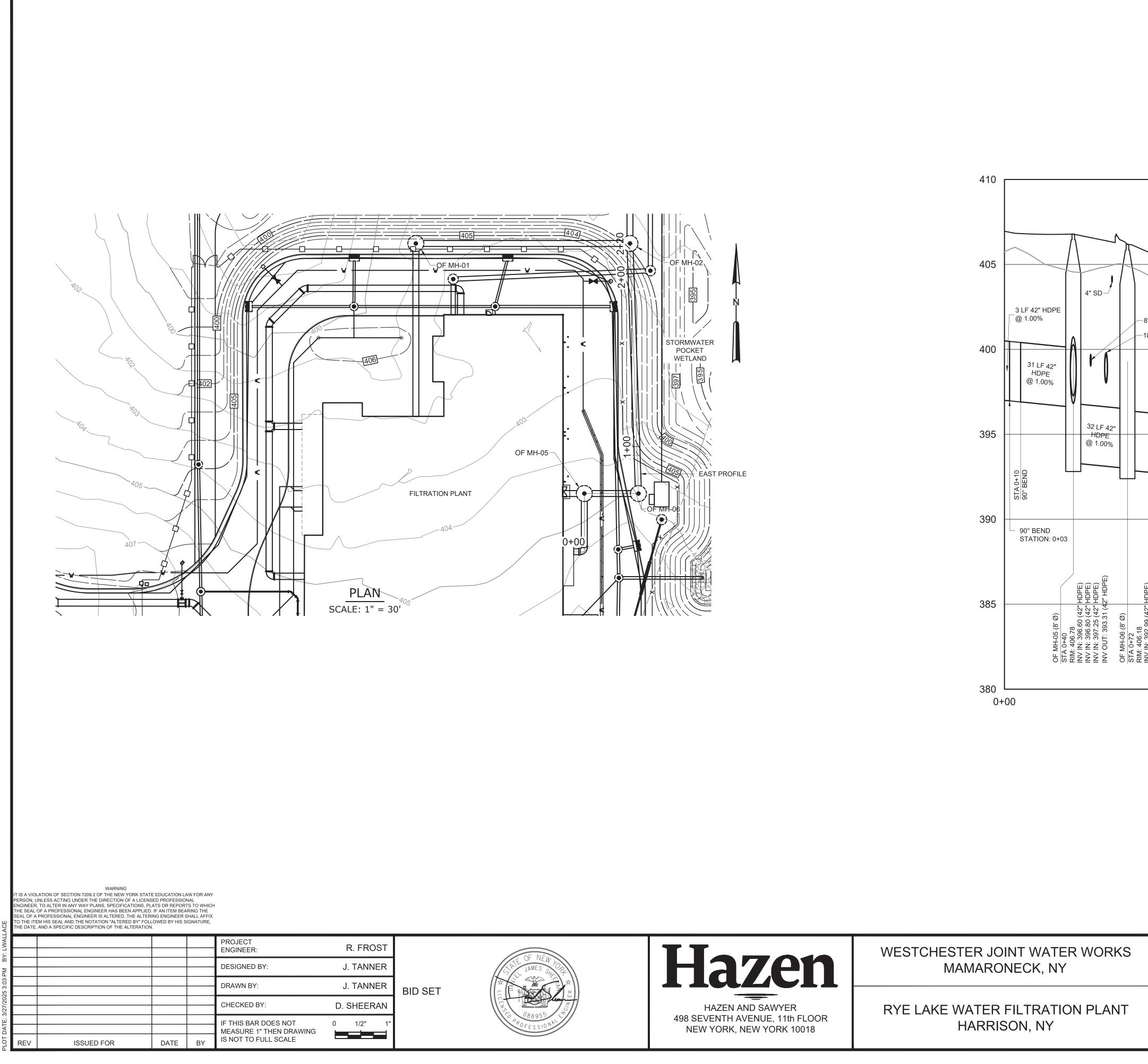
CIVIL WWR AND FUD PROFILE

C-246

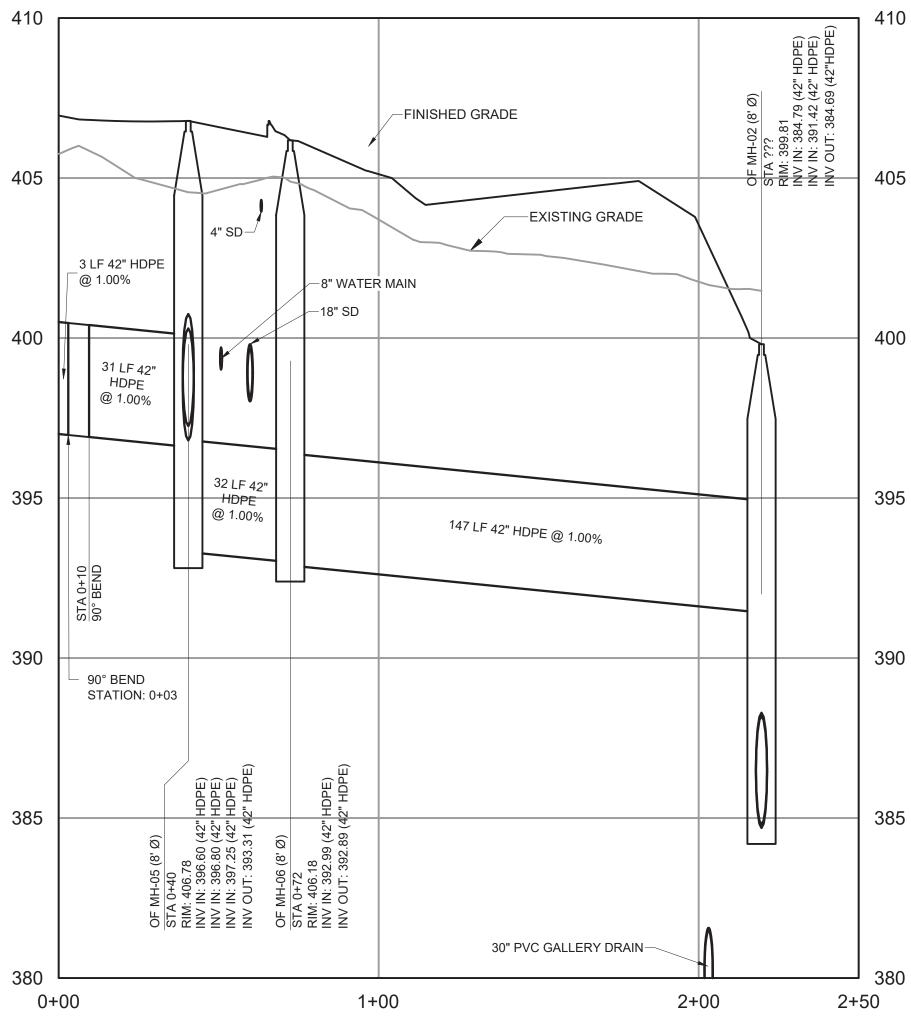
CONTRACT NO .:

DRAWING NUMBER: A1364-A





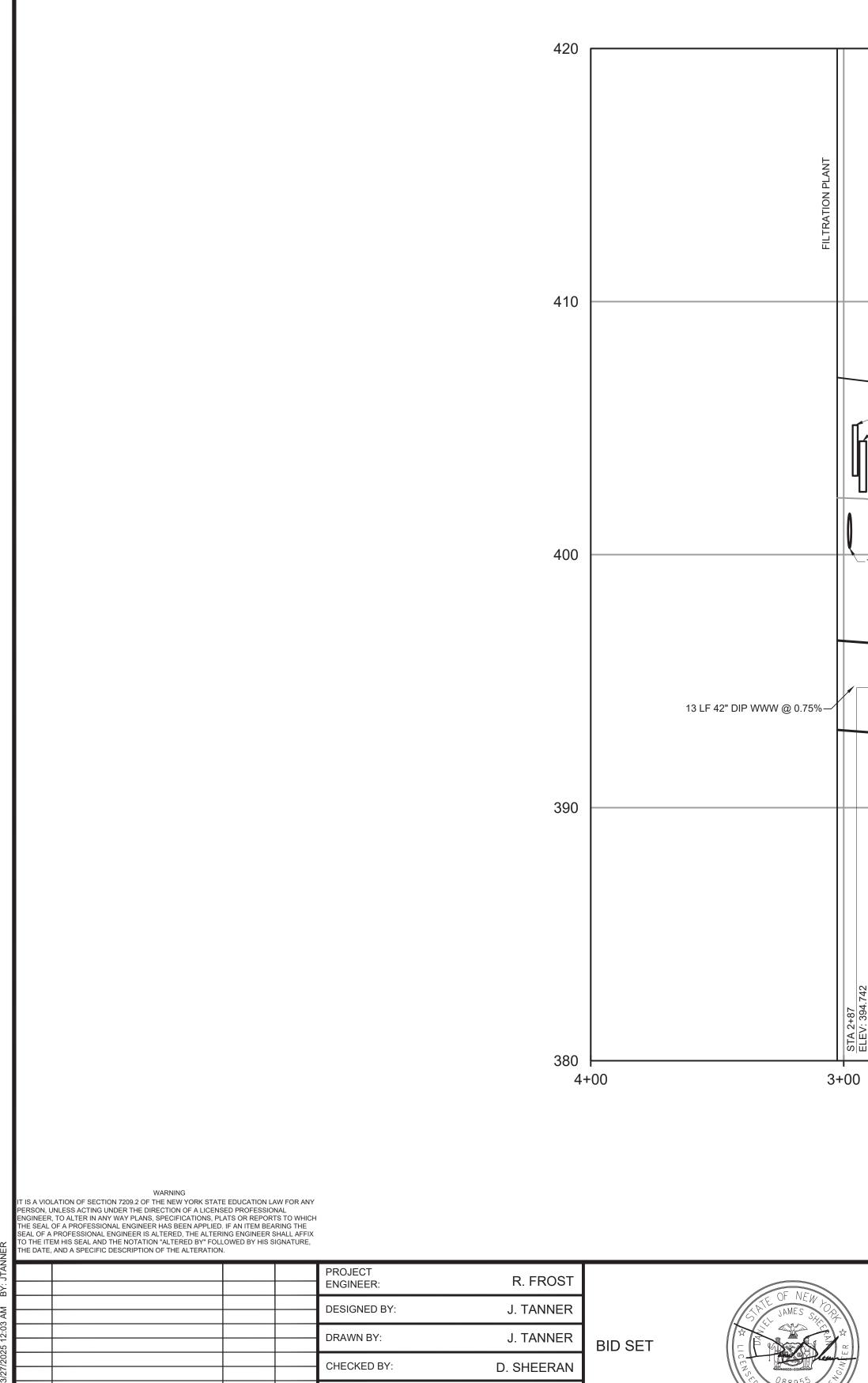
3: C:\USERS\LWALLACE\DC\ACCDOCS\HAZEN AND SAWYER\90388-000_RYE_LAKE_FILTRATION\PROJECT FILES\PROJECTWISE\CIVIL\C-248 Saved by JTANNER Save date: 2/10/2025 3:06



PROFI

HORIZON VERTICAL

		380			
	2+00	2+50			
ILE - EAST					
NTAL SCALE: 1" = 30' L SCALE: 1"= 3'					
				ONTAL SCALE: 1	1" = 30'
			30 1	15 0	30'
			3 1	1.5 0	3
			3 1		3
			3 1 VER	1.5 0	3
			3 1 VER	1.5 0 TICAL SCALE: 1	3 L"=3'
	CIVIL		3 1 VER	1.5 0 TICAL SCALE: 1 DATE:	3 L"=3' FEB 2025
OVERFLOW PR		ET 2 OF 2	3 1 VER D	1.5 0 TICAL SCALE: 1 DATE: HAZEN NO.: CONTRACT NO.: DRAWING NUMBER:	3 FEB 2025 90388-000 A1364-A
OVERFLOW PR		ET 2 OF 2	3 1 VER D	1.5 0 TICAL SCALE: 1 DATE: HAZEN NO.: CONTRACT NO.: DRAWING NUMBER:	3 L"=3' FEB 2025 90388-000



IF THIS BAR DOES NOT

DATE

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ISSUED FOR

MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

0 1/2"

RE\

FINISHED GRADE WASTE WA SEE MECH/ ELECTRICAL DUCTBANK EXISTING GRADE -14" DIP SD -14" DIP \$D └─14" DIP SD DIP WWR ____26 LF 42" DIP WWW @ 0.75% ر 57 LF 42" DIP ₩WW @ 0.75% 88 LF 42" DIP WWW @ 0.75% -14 LF 42" DIP WWW @ 0.75% 83 LF 42" DIP WWW @ 0.75% -42" HDPE OF STA 0+17 ELEV: 392.865 90° BEND STA 1+06 ELEV: 393.47 ???° BEND STA 1+66 ELEV: 393.8 45° BEND A 2+87 EV: 394. ° BEND STA 1+95 ELEV: 394.(45° BEND 일찍 2+00 1+00 0+00

WASTE WASHWATER (WWW) PROFILE

HORIZONTAL SCALE: 1"= 30' VERTICAL SCALE: 1"= 3'



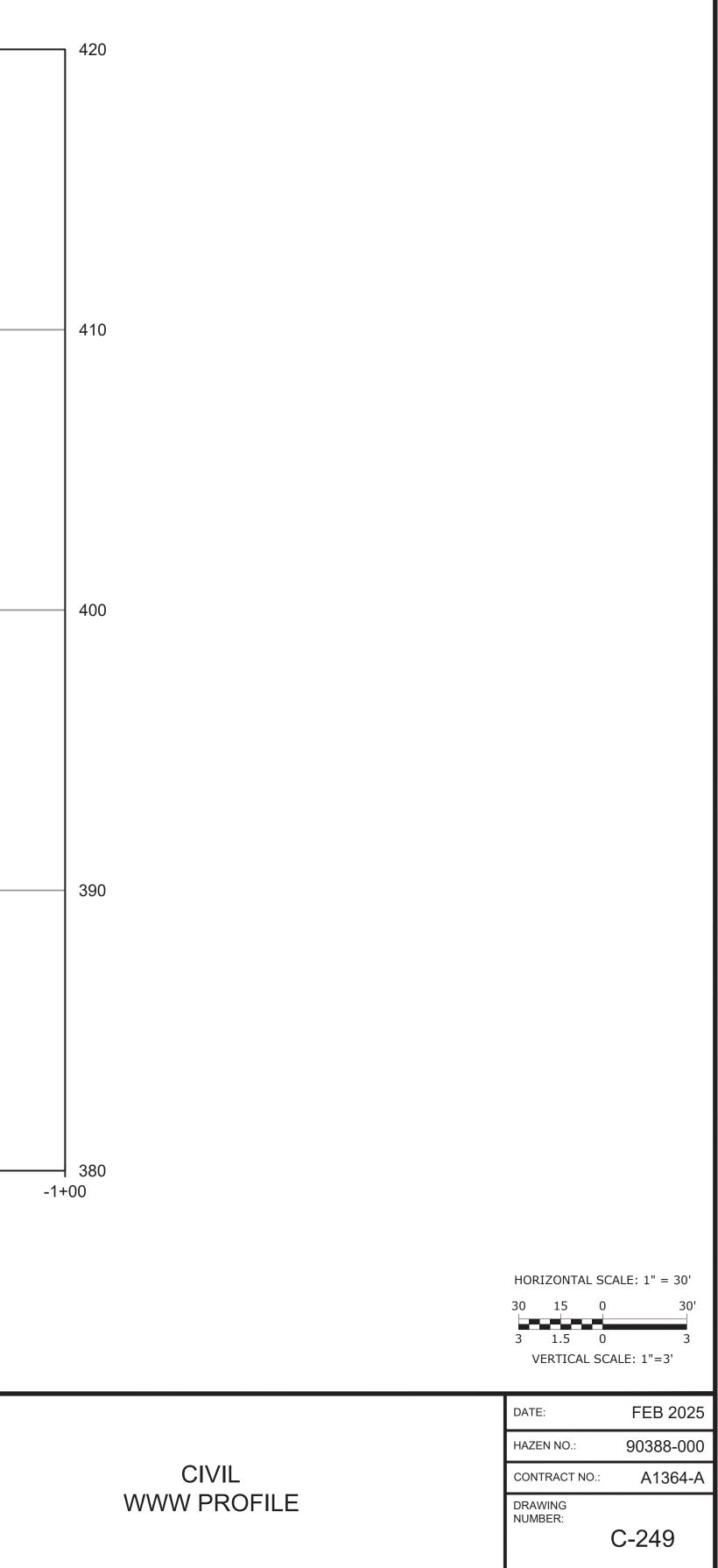
498 SEVENTH AVENUE, 11th FLOOR NEW YORK, NEW YORK 10018

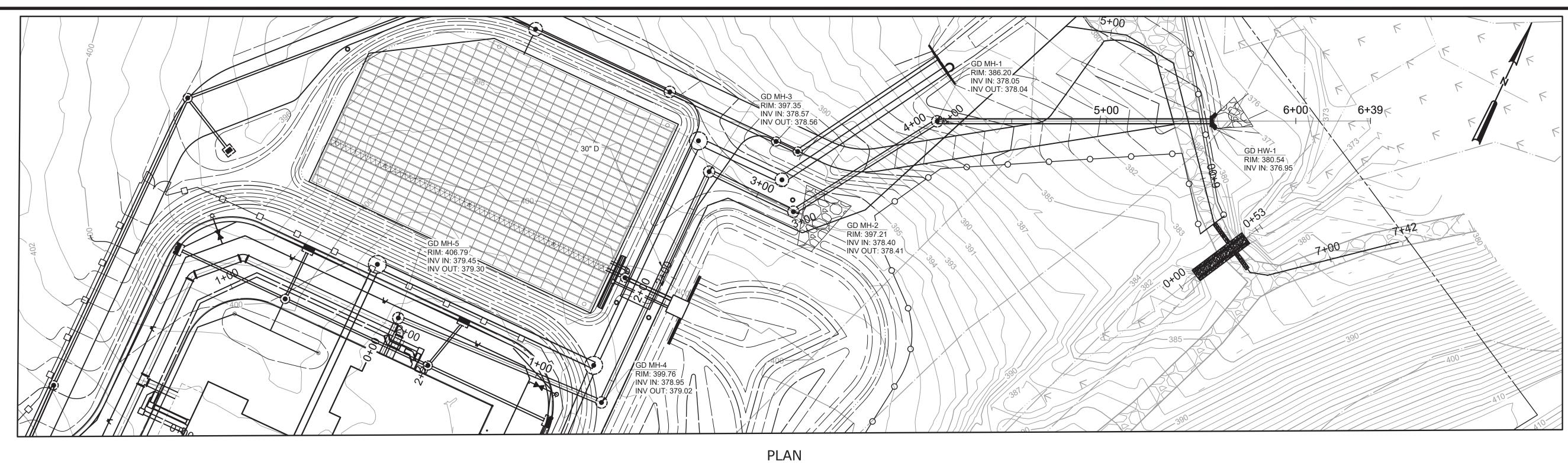
WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

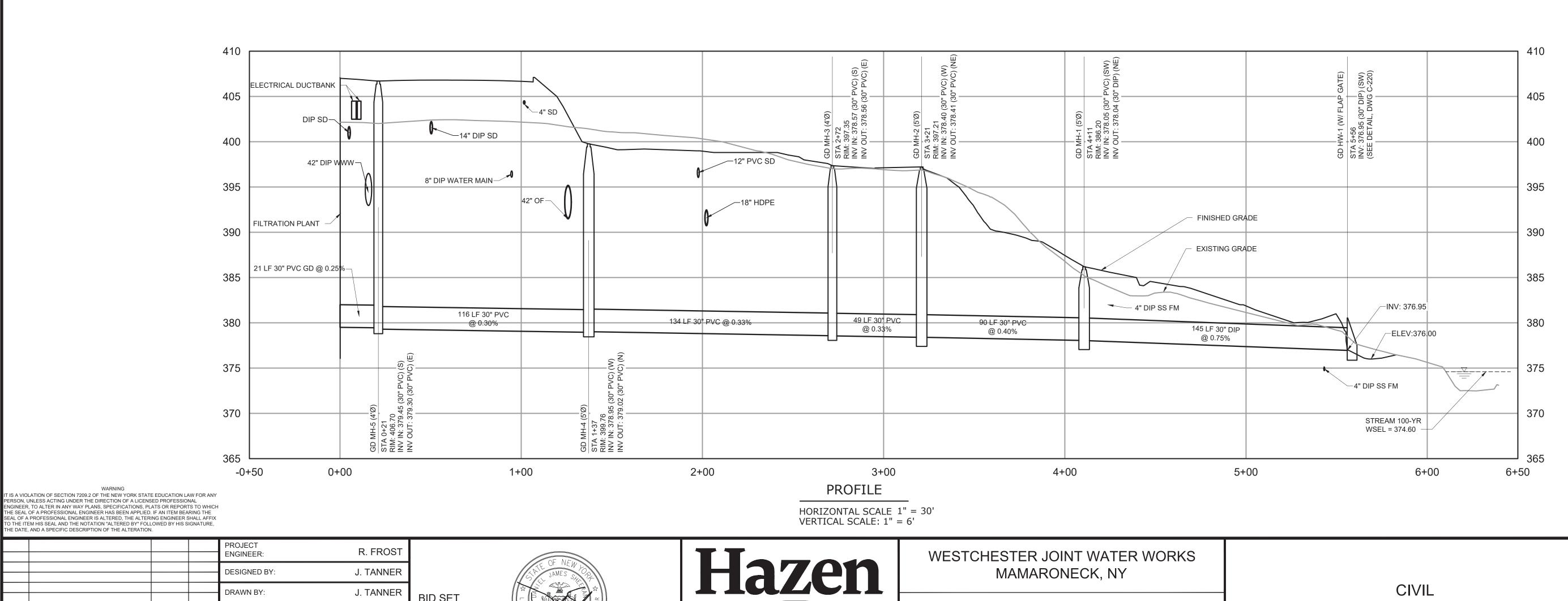
RYE LAKE WATER FILTRATION PLANT HARRISON, NY

NOTES:

1. FOR PLAN INFORMATION SEE DWG C-131







RE\

WARNING

ISSUED FOR

J. TANNER

D. SHEERAN

0 1/2"

BID SET

DRAWN BY:

CHECKED BY:

DATE

ΒY

IF THIS BAR DOES NOT

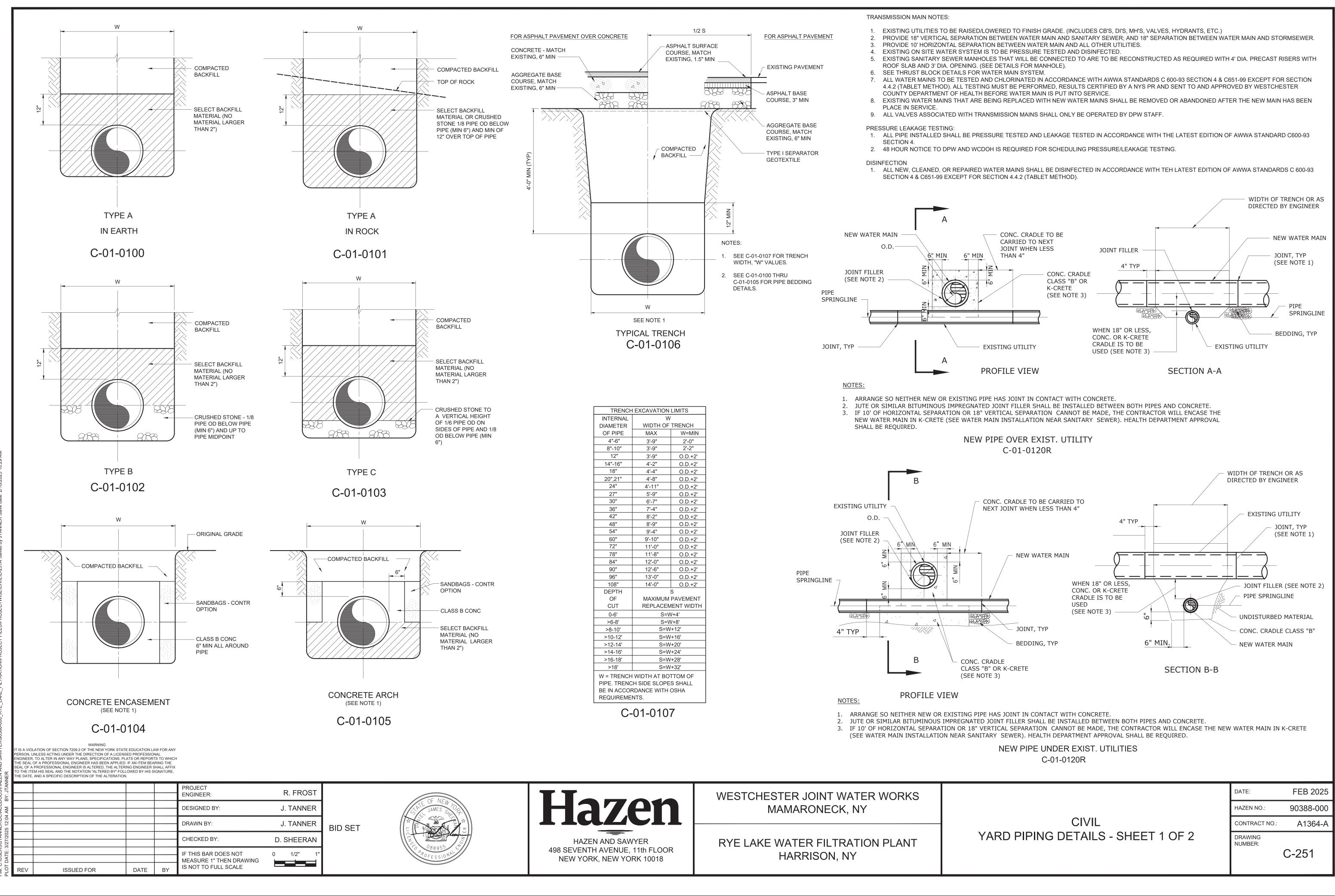
MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

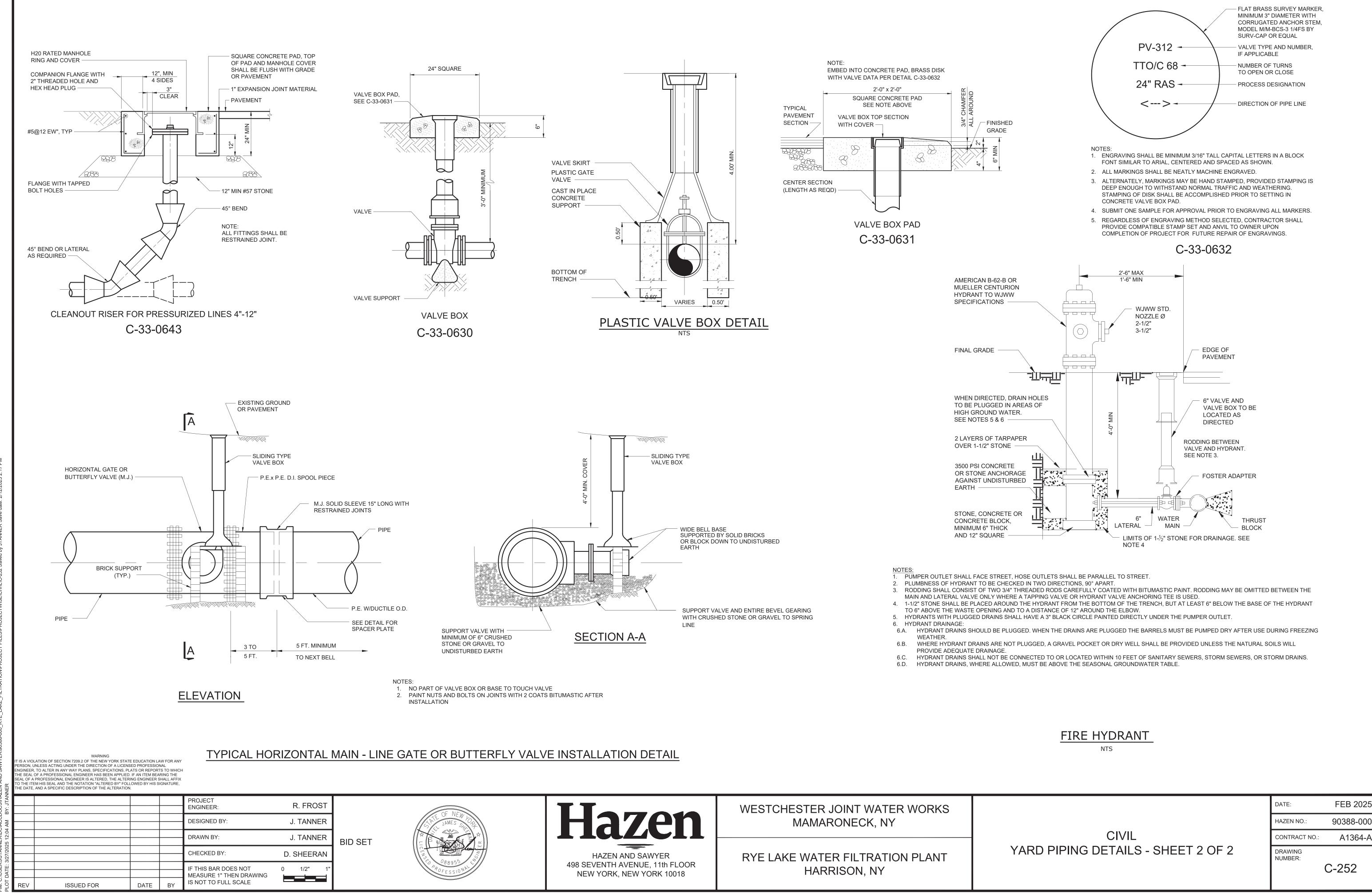
SCALE 1" = 30'

RYE LAKE WATER FILTRATION PLANT HARRISON, NY

HAZEN AND SAWYER 498 SEVENTH AVENUE, 11th FLOOR NEW YORK, NEW YORK 10018

4" DIP SS FM		575		
STREAM 100-YR WSEL = 374.60		370		
6+00) 6+	365 50 ^{нс}	RIZONTAL SCALE	: 1" = 30'
		30 6	15 0 3 0	30' 6
			VERTICAL SCALE:	1"=6'
			DATE:	FEB 2025
			HAZEN NO.:	90388-000
CIVIL			CONTRACT NO.:	A1364-A
GALLERY DRAIN PROFILE			DRAWING NUMBER:	C-250





	DATE:	FEB 2025	
	HAZEN NO.:	90388-000	
CIVIL YARD PIPING DETAILS - SHEET 2 OF 2	CONTRACT NO .:	A1364-A	
	DRAWING NUMBER:		
		C-252	

	ISSUED FOR	DATE BY	MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE				
ATE: 3/27			IF THIS BAR DOES NOT	0 1/2" 1"			2. 5. 6. 8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9
3/27/2025 12:05 AM			DRAWN BY: CHECKED BY:	J. TANNER	BID SET		
2:05 AM			DESIGNED BY:	J. TANNER			JAMES SHOP
			ENGINEER:	R. FROST			TE OF NEW L
PERSON, I ENGINEER THE SEAL SEAL OF A TO THE IT	WARNING ATION OF SECTION 7209.2 OF THE NEW YORK STATE EI INLESS ACTING UNDER THE DIRECTION OF A LICENSED , TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING EM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOW AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	PROFESSIONAL S OR REPORTS TO WHICH AN ITEM BEARING THE ENGINEER SHALL AFFIX	4			N/ FL	ERATION INCLUDES THE ARROW SLIT IN THE SOIL JNCTION LIKE A MINI-SUE ER "DEEP RIPPING AND D
17.	DEDICATED AREAS FOR DEMOLIT 50' FROM STORM DRAINS AND ST					RED	DEVELOPMENT PROJEC
16.	EARTHEN-MATERIAL STOCKPILES UNLESS NO REASONABLE ALTERN			OM STORM DRAINS	AND STREAMS		
	SOIL STOCKPILE AND LAYDOW TEMPORARY OR PERMANENT STA OF STOCKPILING AND LAYDOWN APPROVED BY ENGINEER. TOP PROPER DRAINAGE.	BILIZATION ME N ACTIVITIES. OF STOCKPILE	ASURES INSTALLED AS SOON STOCKPILE SIDE SLOPES SH SHALL BE GRADED WITH A	AS POSSIBLE AND A ALL NOT EXCEED 3H MINIMUM 5% SLO	AT COMPLETION H : 1V UNLESS PE TO INSURE	RED INFI	EAS WHERE RUNOFF DUCTION AND/OR LTRATION PRACTICES / PLIED
14.	ALL DISTURBED AREAS SHALL DF DISTURBANCE ACTIVITIES AND ENCOUNTERED DURING TRENCH TRAPPING DEVICE PRIOR TO BEII	UNTIL FINAL S HING, BORING,	TABILIZATION IS ACHIEVED. OR OTHER ACTIVITIES SHA	SEDIMENT-LADEN (LL BE PUMPED INT(GROUNDWATER D A SEDIMENT	SITE FEE NOT PEF	AVY TRAFFIC AREAS ON E (ESPECIALLY IN ZONE ET AROUND BUILDINGS I WITHIN 5 FOOT RIMETER AROUND JNDATION WALLS
	B) WHERE CONSTRUCTION AC EARTH-DISTURBING ACTIVITIES MEASURES NEED NOT BE INITIAT	L BE INITIATED CTIVITY ON A WILL BE RESU	AS SOON AS PRACTICABLE; A PORTION OF THE SITE MED WITHIN FOURTEEN (14)	IS TEMPORARILY	CEASED, AND		EAS OF CUT OR FILL
	A) WHERE THE INITIATION OF STEMPORARILY OR PERMANENTLY	(S AFTER THE CEASED. THIS STABILIZATION	CONSTRUCTION ACTIVITY IN REQUIREMENT DOES NOT APP I MEASURES BY THE 7TH DA'	THAT PORTION OF LY IN THE FOLLOWIN Y AFTER CONSTRUC	THE SITE HAS IG INSTANCES: TION ACTIVITY	STR	EAS WHERE TOPSOIL IS RIPPED ONLY - NO CHAN GRADE
	CONTRACTOR SHALL INITIATE S PORTIONS OF THE SITE WHERE C	TABILIZATION	MEASURES AS SOON AS PRA			MIN	IMAL SOIL DISTURBANC
12.	DUST CONTROL MUST BE PROVID	DED AS DIRECT	ED.			NO	SOIL DISTURBANCE
11.	WHERE EROSION CONTROL MAT SEEDED, THE CONTRACTOR SI ACCEPTANCE OF THE TURF, WHI LIMITED TO PROVIDING WARNIN THAT HAVE SETTLED, BECOME O EXPENSE TO THE CITY TO REEST EROSION CONTROL MATERIALS.	HALL CARE FC CHEVER IS LAT IG SIGNS OR B/ GULLIED, OR C	OR THE AREAS UNTIL ACC ER. WHERE NECESSARY, SUC ARRICADES FOR PROTECTION OTHERWISE DAMAGED SHALL	EPTANCE OF THE O H CARE MAY INCLUD AGAINST TRAFFIC, BE REPAIRED AT N	CONTRACT OR DE, BUT IS NOT ANY SURFACES O ADDITIONAL		PE OF SOIL DISTURBAN
10.	TIMELY MAINTENANCE OF SEDIM PRACTICES SHALL BE MAINTAIN PRACTICES SHALL BE CLOSELY M REACHED OR AS ORDERED BY TH END OF EACH WORK DAY, PRIOR WITHIN A 12 HOUR PERIOD, OR A	IED IN GOOD M MONITORED AN IE ENGINEER. A TO EVERY WEE	WORKING ORDER AT ALL TIN D SEDIMENT REMOVED PROM LL SEDIMENT CONTROL PRAC EKEND, BEFORE AND AFTER EA	1ES. THE SEDIMENT IPTLY WHEN MAXIMU TICES SHALL BE INSI ACH RAINFALL OF 0.5	LEVEL IN ALL JM LEVELS ARE PECTED BY THE 5" OR GREATER	27.	IF DIRECTED, THE CON INSPECTION, FINDING THE CONTRACTOR SH DURING CONSTRUCTION MAINTAIN PERMANENT SWPPP FOR APPLICAB
9.	EROSION AND SEDIMENT CON REPLACED IMMEDIATELY BY THE THE LIFE OF THE PROJECT, INCLU CONTINUE UNTIL AFTER PERMAN MEASURES ARE ORDERED TO BE	CONTRACTOR UDING WINTER IENT STABILIZA	AS REQUIRED TO MAINTAIN P SHUTDOWN, ETC. SUCH INSP ATION MEASURES ARE IN PLA	ERFORMANCE OF ME. PECTION AND MAINT	ASURE DURING ENANCE SHALL	25.	IF INSPECTIONS BY T FAILURE(S) BY THE CO TO THE CONTRACTO CONTRACTOR.
8.	ALL EROSION CONTROL MEASU FOLLOWING EVERY RAINFALL BU INSPECTIONS SHALL BE SEPARAT	JT IN NO CASE	E LESS THAN TWICE EVERY S	SEVEN CALENDAR D			ALL EROSION AND COMPLETE, PERMANE HAVE GIVEN PERMISS SEDIMENT CONTROL
	CLEARING SHALL BE LIMITED A ACTIVITIES. MASS CLEARING AND	AS MUCH AS P D GRADING SH	POSSIBLE TO AREAS REQUIR ALL BE AVOIDED.				DEWATERING OPERAT CONTROL REQUIREME SEDIMENT CONTROL BAG, OR OTHER APPRO
6.	NO LAND DISTURBANCE, DEMO EROSION AND SEDIMENT CONT PROTECTION, TEMPORARY DIVER THE CONTRACT DRAWINGS. IF MEASURES NOT REQUIRING CLE INSTALLATION OF THE PARTICUL	FROL MEASURE RSIONS, SEDIM CLEARING IS R ARING SHALL F	ES, INCLUDING, BUT NOT LI ENT BASIN PROTECTION HAV REQUIRED FOR INSTALLATION BE INSTALLED FIRST. CLEARI	MITED TO, SILT FE E BEEN INSTALLED OF A PARTICULAR	ENCING, INLET AS SHOWN ON MEASURE, ALL		THE CONTRACTOR SH A DEWATERING SYST INCLUDING ASSOCIA SUBMITTED TO THE E
5.	CONTRACTOR SHALL OBTAIN PRI DEVIATIONS FROM THE APPROVE			, AND REGULATORY	AGENCIES FOR		<u>SEEDING DATES:</u> T VEGETATIVE COVER V DISTRICT: SPRING - 3
4.	DUE TO THE NATURE OF THE W NATURE OF EROSION AND SEDIM TO REFLECT THE CURRENT PHAS WILL IMPACT THE PLACEMENT A THE LOCATION AND EXTENT OF PHASE OF CONSTRUCTION RESU RUNOFF FROM THE CONSTRUCTI REMAIN IN PLACE AT THE CONCLU	IENT CONTROL SE OF WORK. ND NEED FOR EROSION ANE JLTING IN A C ION AREAS. PEI	MEASURES WILL BE ADJUSTE THE CONSTRUCTION SCHEDU SPECIFIC DEVICES REQUIRED SEDIMENT CONTROL MEASU HANGE OF EITHER THE QUAN RMANENT EROSION AND SED	D AS CONSTRUCTION LE ADOPTED BY THE D FOR THE CONTROM JRES SHALL BE REV NTITY OR DIRECTION	N PROGRESSES E CONTRACTOR L OF EROSION. /ISED AT EACH N OF SURFACE	21.	THE EXCAVATED AREA BODIES OF WATER U AND/OR SILT CONTRO WHERE CONCRETE E CONTAINMENT AREA" SURFACE WATER BOD DAILY.
3.	IN THE EVENT OF CONFLICT BET RULES, REGULATIONS OR PERI AGENCIES, THE MORE RESTRICTI	MIT CONDITIO	NS BY OTHER FEDERAL OR	STATE OR LOCAL			DIRECTED TO A PROF SHALL BE TAKEN TO THEY DO NOT ENTE ROADSIDE SWALES. DIRECTED TO A PROP
2.	ALL WORK SHALL BE PERFORMED PLAN (SWPPP) IF APPLICABLE, A SPECIFIED BY THE NYSDEC ST (NOVEMBER 2016), AND THE TOW	AND/OR WITH TANDARDS AN	THE SOIL EROSION AND SE D SPECIFICATIONS FOR ER	DIMENT CONTROL F	REQUIREMENTS ENT CONTROL		A VIGOROUS, DENSE ALL POINTS OF CONS MATERIALS ONTO TR SHALL BE REMOVED I
1.	CONTRACTOR SHALL BE RESPON PRACTICES.	NSIBLE FOR CO	OMPLIANCE WITH ALL SOIL E	ROSION AND SEDIM	IENT CONTROL		ALL DISTURBED SOI SPECIFICATIONS AND
						10.	STAGING AREA, STOC

FROSION AND SEDIMENT CONTROL NOTES

AREA, STOCKPILES, AND OTHER STORAGE LOCATIONS SHALL BE PROTECTED FROM EROSION.

FURBED SOIL AREAS SHALL BE FERTILIZED, SEEDED AND MULCHED IN ACCORDANCE WITH THE ATIONS AND THE SEEDING SCHEDULE, AND RE-SEEDED AS NECESSARY, TO ESTABLISH AND MAINTAIN OUS, DENSE VEGETATIVE COVER.

TS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT THE DEPOSITION OF LS ONTO TRAVERSED OFFSITE ROADWAYS. IF MATERIAL IS TRACKED ONTO OFFSITE ROADWAYS, IT E REMOVED IMMEDIATELY. DO NOT UTILIZE A WATER HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT CONTROL DEVICE. PROPER PRECAUTIONS TAKEN TO ENSURE THAT MATERIALS DEPOSITED ONTO OFFSITE ROADWAYS ARE REMOVED SO THAT NOT ENTER YARD INLETS, CATCH BASINS, SEWERS, WETLANDS, SURFACE WATER BODIES, OR SWALES, DO NOT UTILIZE A FIRE OR GARDEN HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT CONTROL DEVICE. WATER PUMPED OUT OF AVATED AREAS CONTAINS SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING OF WATER USING REMOVABLE PUMPING STATIONS, SUMP PITS, PORTABLE SEDIMENTATION TANKS SILT CONTROL BAGS.

CONCRETE EQUIPMENT WASHING IS REQUIRED, THIS MUST BE DONE IN AN APPROVED "CONCRETE MENT AREA". CONTRACTOR SHALL NOT DISCHARGE ANY CONCRETE WASHOUT WATER INTO SEWERS, WATER BODIES OR ONTO THE GROUND. ALL WASHOUT WATER MUST BE REMOVED FROM THE SITE(S)

DATES: THE FOLLOWING SEEDING DATES ARE BEST RECOMMENDED TO ESTABLISH PERMANENT IVE COVER WITHIN MOST LOCATIONS IN THE WESTCHESTER COUNTY SOIL AND WATER CONSERVATION : SPRING - 3/1-6/1 AND FALL - 9/1 - 10/15

TRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, PERMITTING, AND OPERATION OF ERING SYSTEM AS REQUIRED FOR THE COMPLETION OF THE WORK. PROCEDURES FOR DEWATERING NG ASSOCIATED EROSION AND SEDIMENT CONTROL PROPOSED BY THE CONTRACTOR SHALL BE ED TO THE ENGINEER FOR REVIEW PRIOR TO ANY EARTHWORK OPERATIONS. ALL WATER REMOVED BY RING OPERATIONS SHALL BE DISPOSED OF IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT REQUIREMENTS SPECIFIED BY THE NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND CONTROL (NOVEMBER 2016). CONTRACTOR MAY USE PORTABLE SETTLING TANK, SEDIMENT FILTER OTHER APPROVED METHOD TO SETTLE DEWATERING FLOW OF SEDIMENT BEFORE DISCHARGE.

SION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS E, PERMANENT VEGETATION IS ESTABLISHED ON ALL DISTURBED AREAS, AND LOCAL AUTHORITIES VEN PERMISSION FOR REMOVAL. ONCE FINAL STABILIZATION IS COMPLETE, REMOVE EROSION AND T CONTROL MEASURES AND PERFORM FINAL SITE RESTORATION.

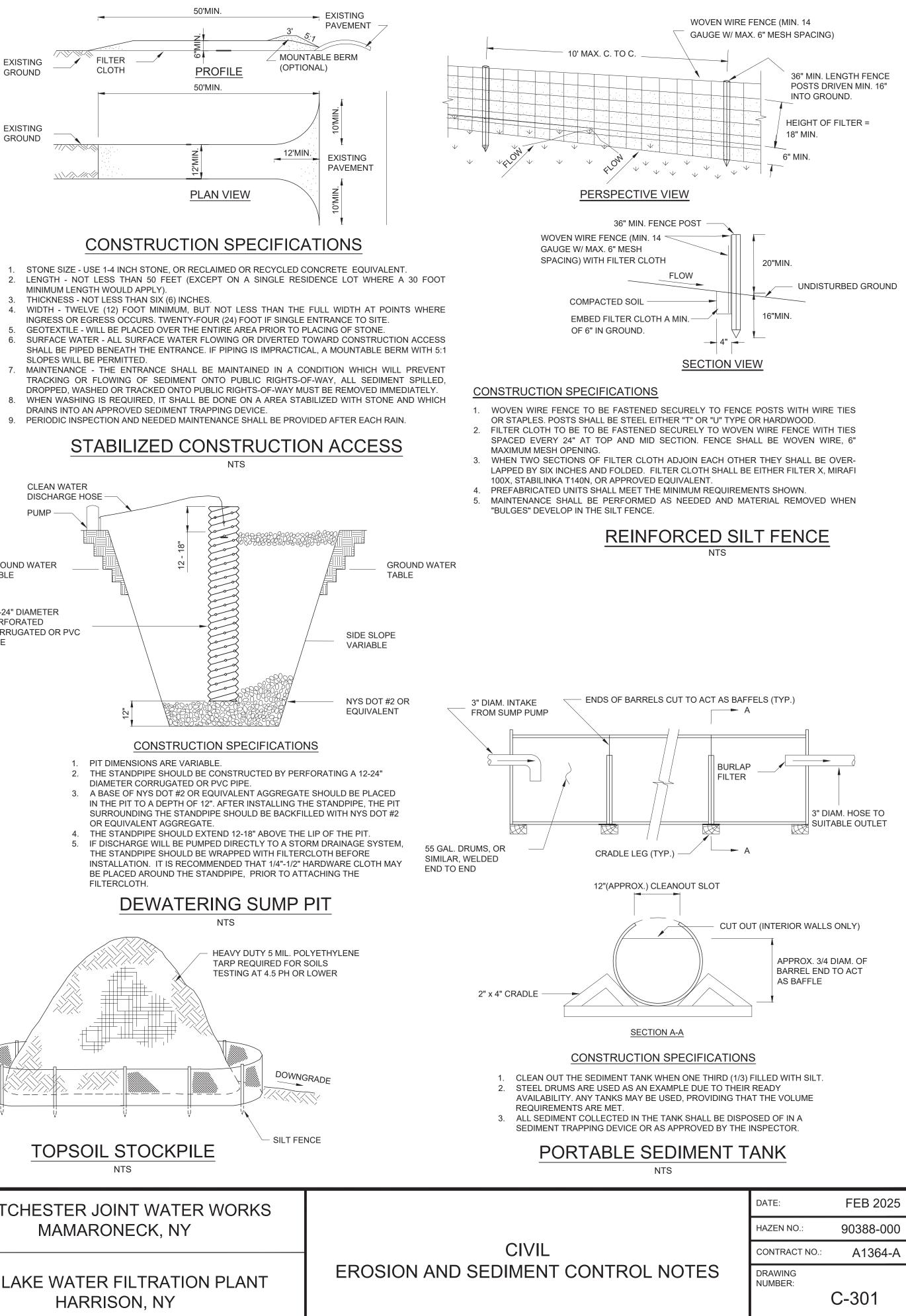
CTIONS BY THE ENGINEER OR THE TOWN/VILLAGE OF HARRISON'S DPW INSPECTOR OR ENGINEER FIND S) BY THE CONTRACTOR TO COMPLY, THE ENTIRE PROJECT WILL BE STOPPED WITH NO COMPENSATION CONTRACTOR UNTIL ALL FINDINGS HAVE BEEN IDENTIFIED, ADDRESSED AND COMPLETED BY THE

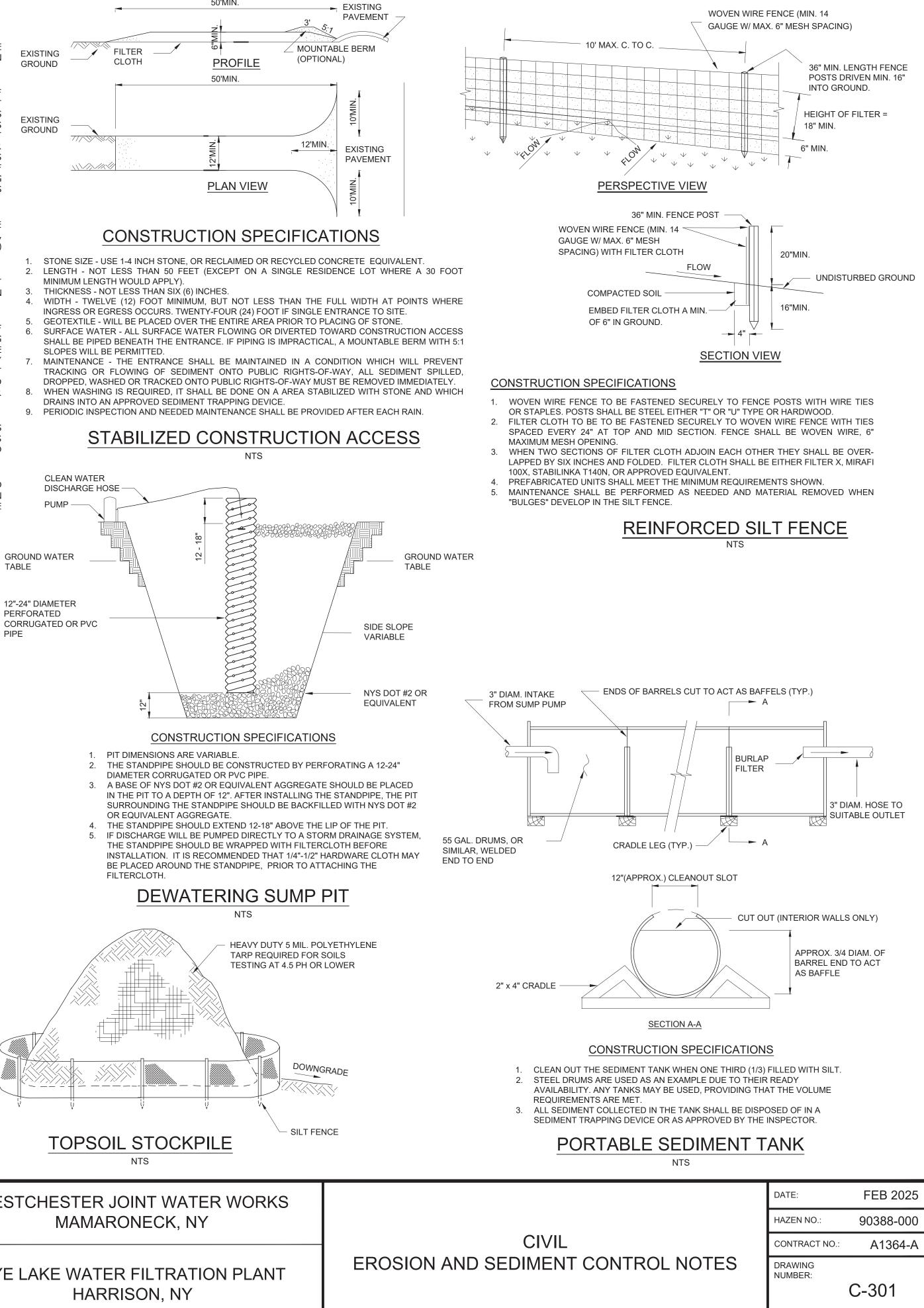
TED, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER WEEKLY COPIES OF A REPORT FOR HIS ON, FINDINGS AND ACTIONS TAKEN.

TRACTOR SHALL MAINTAIN ALL TEMPORARY AND PERMANENT STORMWATER MANAGEMENT PRACTICES CONSTRUCTION UNTIL FINAL STABILIZATION AND ACCEPTANCE BY THE OWNER. WJWW SHALL I PERMANENT STORMWATER MANAGEMENT PRACTICES UPON COMPLETION OF CONSTRUCTION. SEE OR APPLICABLE CONTACT INFORMATION.

SITE RESTORATION REQUIREMENTS						
IL DISTURBANCE	SOIL RESTORATIO	ON REQUIREMENT	COMMENTS / EXAMPLES			
JRBANCE	RESTORATION	NOT PERMITTED	PRESERVATION OF NATURAL FEATURES			
DISTURBANCE	RESTORATION 	NOT PERMITTED	CLEARING AND GRUBBING			
	HSG A & B	HSG C & D				
E TOPSOIL IS LY - NO CHANGE	APPLY 6 INCHES OF TOPSOIL	AERATE* AND APPLY 6 INCHES OF TOPSOIL	PROTECT AREA FROM ANY ONGOING CONSTRUCTION ACTIVITIES			
	HSG A & B	HSG C & D				
T OR FILL	AERATE* AND APPLY 6 INCHES OF TOPSOIL	APPLY FULL SOIL RESTORATION**				
IC AREAS ON ALLY IN ZONE 5-25) BUILDINGS BUT FOOT ROUND WALLS	APPLY FULL SOIL RESTORATION (DECOMPACTION AND COMPOST ENHANCEMENT)					
E RUNOFF ND/OR PRACTICES ARE			KEEP CONSTRUCTION EQUIPMENT FROM CROSSING THESE AREAS. TO PROTECT NEWLY INSTALLED PRACTICE FROM ANY ONGOING CONSTRUCTION ACTIVITIES CONSTRUCT A SINGLE PHASE OPERATION FENCE AREA			
ENT PROJECTS	REDEVELOPMEN	RE EXISTING AREA WILL BE				

ICLUDES THE USE OF MACHINES SUCH AS TRACTOR-DRAWN IMPLEMENTS WITH COULTERS MAKING A T IN THE SOIL, A ROLLER WITH MANY SPIKES MAKING INDENTATIONS IN THE SOIL, OR PRONGS WHICH KE A MINI-SUBSOILER. RIPPING AND DE-COMPACTION, DEC 2008".





WESTCHESTER JOINT WATER WORKS

RYE LAKE WATER FILTRATION PLANT

HAZEN AND SAWYER 498 SEVENTH AVENUE, 11th FLOOR NEW YORK, NEW YORK 10018

Hazen

		EROSION AND SED	IMENT CONTROL MAINTENA	ANCE SCHEDULE		
	MONITORING R	EQUIREMENTS		MAINTENANCE F	REQUIREMENTS	
PRACTICE	DAILY	WEEKLY AFTER RAINFALL		DURING CONSTRUCTION	AFTER CONS	
SILT FENCE BARRIER		INSPECT	INSPECT	CLEAN / REPLACE	REMC	
STABILIZED CONSTRUCTION ACCESS	INSPECT		INSPECT	CLEAN / REPLACE STONE AND FABRIC	REMC	
DUST CONTROL	INSPECT		INSPECT	MULCHING / SPRAYING WATER	N/A	
VEGETATIVE ESTABLISHMENT		INSPECT	INSPECT	WATER / RESEED / REPLACE	RESEED TO 80%	
INLET PROTECTION		INSPECT	INSPECT	CLEAN / REPAIR / REPLACE	REMC	
SOIL STOCKPILES		INSPECT	INSPECT	MULCHING / SILT FENCE REPAIR	REMC	
CONCRETE DRAINAGE STRUCTURES		INSPECT	INSPECT	CLEAN SUMPS / REMOVE DEBRIS / REPAIR / REPLACE	CLEAN SUMPS / RE REPAIR / R	
DRAINAGE PIPES		INSPECT	INSPECT	CLEAN / REPAIR	CLEAN / F	
ROAD AND PAVEMENT		INSPECT	INSPECT	CLEAN	CLEA	
DEWATERING SUMP PIT	INSPECT		INSPECT	CLEAN / REPAIR / REPLACE	REMC	
PORTABLE SEDIMENT TANK	INSPECT		INSPECT	CLEAN / REPAIR / REPLACE	REMC	
GEOTEXTILE FILTER BAG	INSPECT		INSPECT	REPLACE AT 75% REDUCTION OF FLOW	REMC	
EROSION CONTROL MATTING		INSPECT	INSPECT	RESTORE IF DAMAGED	BIODEGRA	
CONSTRUCTION ROAD STABILIZATION		INSPECT	INSPECT	TOP DRESS WITH GRAVEL	REMC	
CONCRETE WASHOUT	INSPECT		INSPECT	REPAIR / REPLACE	REMC	
TREE PROTECTION		INSPECT	INSPECT	REPAIR / REPLACE	REMC	
CONSTRUCTION DITCH		INSPECT	INSPECT	REMOVE SEDIMENT / REGRADE	REMC	
SKIMMER		INSPECT	INSPECT	REPAIR / REPLACE	REMC	
SEDIMENT BASIN	INSPECT		INSPECT	REMOVE SEDIMENT / REGRADE	CONVERTE	
SEDIMENT BASIN BAFFLE	INSPECT		INSPECT	REPAIR / REPLACE	REMC	
RIP RAP OUTLET PROTECTION		INSPECT	INSPECT	REPAIR / REPLACE	CLEAN / REPAIR / F	

