SOUTH JERSEY PORT CORPORATION BROADWAY TERMINAL WATER FIRE MAIN REPLACEMENT

LIST OF UTILITIES AND EMERGENCY CONTACT INFORMATION							
FIRE DEPARTMENT:	CAMDEN CITY FIRE DEPARTMENT SQUAD 7 1115 KAIGHN AVENUE CAMDEN, NJ 08103 856-757-7548						
POLICE DEPARTMENT:	CAMDEN COUNTY POLICE DEPARTMENT 800 FEDERAL STREET CAMDEN, NJ 08103 856-757-7400						
PUBLIC WORKS:	CAMDEN CITY DEPARTMENT OF PUBLIC WORKS KEITH L. WALKER, DIRECTOR 101 NEWTON AVENUE CAMDEN, NJ 08102 856-757-7034						
SEWER:	CAMDEN WATER L.L.C. 100 S. 17TH STREET CAMDEN, NJ 08105 609-635-1264						
WATER:	AMERICAN WATER 1 WATER ST. CAMDEN, NJ 08102 856-955-4001						
ELECTRIC:	PUBLIC SERVICE ELECTRIC COMPANY ELECTRIC T&D 300 NEW ALBANY ROAD MOORESTOWN, NJ 08057 856-573-2077						
CABLE:	COMCAST CABLE 1250 HADDONFIELD-BERLIN ROAD CHERRY HILL, NJ 08034 856-354-1880						
GAS:	PSE&G 300 CONNECTICUT DRIVE BURLINGTON, NJ 08086 609-778-6776						
TELEPHONE:	TRANSCONTINENTAL CABLE ROUTE UNDERGROUND LOCATION SERVICE NEW JERSEY UTILITIES ASSOCIATION 800-252-1133						



	SHEET INDEX				
SHEET #	DESCRIPTION				
T-1	TITLE SHEET				
G-1	GENERAL NOTES				
G-2	LEGEND				
C-1.0	EXISTING SITE PLAN OVERALL - NORTH BROADWAY (N.I.C.				
C-1.1-1.7	EXISTING SITE PLAN ENLARGED- NORTH BROADWAY (N.I.C.)				
C-2.0	EXISTING SITE PLAN OVERALL - PIER 5				
C-2.1-C-2.2	EXISTING SITE PLAN - PIER 5				
C-3.0	PROPOSED OVERALL SITE PLAN AND SESC NORTH BROADWAY (N.I.C.)				
C-3.1-3.7	PROPOSED ENLARGED SITE PLAN AND SESC NORTH BROADWAY (N.I.C.)				
C-4.0	PROFILE A (N.I.C.)				
C-4.1	PROFILE B (N.I.C.)				
C-4.2	PROFILE C (N.I.C.)				
C-4.3	PROFILE D (N.I.C.)				
C-4.4	PROFILE E (N.I.C.)				
C-5.0	PROPOSED OVERALL SITE PLAN AND SESC PIER 5				
C-5.1-C-5.2	PROPOSED ENLARGED SITE PLAN AND SESC PIER 5				
C-6.0	PROFILE PIER 5				
SESC-1	SOIL EROSION AND SEDIMENT CONTROL DETAILS				
EV-1	ENVIRONMENTAL				
D-1	DETAILS				

PROJECT LOCATION MAP 2500 S BROADWAY, CAMDEN, NJ



IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT NJ ONE CALL PRIOR TO THE START OF CONSTRUCTION. CALL FOR MARKOUTS THREE (3) FULL BUSINESS DAYS IN ADVANCE AND BEGIN EXCAVATION WITHIN 10 DAYS. ALL CONTRACTORS ON-SITE MUST HAVE THEIR OWN MARKOUT.

CAMDEN COUNTY, NEW JERSEY

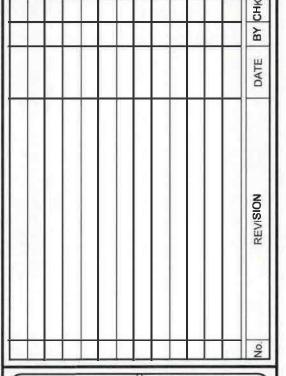
NOVEMBER 2024





PLANS WHICH DONOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING



TITLE SHEET	SOUTH JERSEY PORT CORP ROADWAY TERMINAL WATER FIRE MAIN REPLACEMENT	N CITY CAMDEN COLINTY NEW JERSEY
	SOADWAY TE	CAMDEN CITY

AWN BY DESIGN BY CHECKED BY SCALE:

G.M. G.M S.C AS NOTED

DATE 9.2024

JOB No 3965X004

- 1. ALL WATER AND WASTE WATER FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW JERSEY AMERICAN WATER COMPANY (NJAW) CAMDEN CO. SOIL CONSERVATION DISTRICT & NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP) STANDARDS.
- 2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF THE CONSTRUCTION, ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 3. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.
- 4. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 5. ALL PAVED AND CONCRETE AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING
- CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.

 6. ALL FILL SHALL BE PLACED IN 12" LAYERS AND THOROUGHLY COMPACTED TO THE SATISFACTION OF THE ENGINEER. IF BORROW FILL IS REQUIRED, IT SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF THE UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT HE DAMAGES.
- 8. BASELINES HAVE BEEN PROVIDED ON THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE BASELINE AS SHOWN ON THE PLAN.
- 9. APPROXIMATE DEPTH OF ALL WATER MAIN IS \pm 4 FEET.
- 10. APPROXIMATE DEPTH OF ALL ELECTRIC MAIN IS \pm 2 FEET
- 11. APPROXIMATE DEPTH OF ALL GAS MAIN IS \pm 3 FEET.
- 12. ALL CONSTRUCTION DETAILS NOT SHOWN SHALL BE IN ACCORDANCE WITH N.J.D.O.T. STANDARDS AS DETAILED
 - "STANDARD ROADWAY CONSTRUCTION/TRAFFIC CONTROL/BRIDGE CONSTRUCTION DETAILS."
 - "ELECTRICAL BUREAU STANDARD DETAILS: 2001."

INCLUDING ALL APPLICABLE BASELINE DOCUMENT CHANGES AND APPENDICES. THESE DETAILS MAY BE PURCHASED THROUGH THE N.J.D.O.T. PLANS AND SPECIFICATION CENTER AT:

1035 PARKWAY AVENUE,

TRENTON, NEW JERSEY

08625-0600

(TELEPHONE: 1-609-530-2098)

- 13. SEPARATE PAYMENT WILL NOT BE MADE FOR SAW CUTTING OF ANY KIND, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 14. PAYMENT FOR JOINT MATERIAL FOR ALL CONCRETE WORK WILL NOT BE MEASURED BUT SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 15. TRAFFIC CONTROL SHALL BE PAID UNDER "MAINTENANCE AND PROTECTION OF TRAFFIC" AND SHALL BE IN ACCORDANCE WITH THE LATEST NJ DEPARTMENT OF TRANSPORTATION STANDARDS.
- 16. MANHOLE CASTINGS THAT ARE TO BE RESET SHALL BE RESET ¼" LOWER THAN THE PROPOSED PAVEMENT ELEVATION.
- 17. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION ALONG WITH THE 2010 STATE AID SUPPLEMENTAL SPECIFICATION AS MODIFIED SHALL GOVERN THIS PROJECT.
- 18. ALL UNUSED MATERIAL EXCAVATED FROM THE PROJECT SITE ARE TO BE DISPOSED OF AT AN APPROVED FACILITY. THE CONTRACTOR IS RESPONSIBLE FOR TESTING OF SOIL TO BE REMOVED FROM THE SITE.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED IN THE PLANS AND SPECIFICATIONS. SEPARATE PAYMENT FOR ALL ASSOCIATED COSTS WILL NOT BE MADE, BUT SHALL BE INCLUDED UNDER VARIOUS ITEMS OF THE PROPOSAL.
- 20. THE CONTRACTOR SHALL ANTICIPATE GROUND WATER INFILTRATION OCCURRING THROUGHOUT THE COURSE OF THE VARIOUS TASKS ASSOCIATED WITH THIS PROJECT. ALL COSTS ASSOCIATED WITH THE TEMPORARY BYPASS PUMPING AND OR DEWATERING SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROPOSAL.
- 21. ALL UTILITY WORK SHALL BE CONSTRUCTED TO ALLOW UNINTERRUPTED SERVICE TO ADJACENT PROPERTIES.
- 22. EXISTING WATER MAIN, SANITARY SEWER, GAS MAIN STORM SEWER, ELECTRICAL SERVICES AND ALL OTHER UTILITIES SHALL BE FULLY SUPPORTED AND MAINTAINED DURING INSTALLATION OF THE PROPOSED UTILITY WORK, SERVICES AND LATERALS.
- 23. THE TRENCH LIMIT OF DISTURBANCE WITHIN THE ASPHALT ROADWAY SHALL BE LIMITED TO A 4' WIDTH PER UTILITY TRENCH. THE LAY DOWN AREA FOR THE EXCAVATED MATERIAL SHALL BE IMMEDIATELY ADJACENT TO THE TRENCH AND SHALL BE ISOLATED TO THE ASPHALT ROADWAY. TRENCH SHALL BE BACKFILLED AT THE END OF EACH DAY. ALL BASE PAVING SHALL BE COMPLETED ONCE A MONTH FOR ALL WORK COMPLETED THAT WEEK.
- 24. THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING THE PAVED TRAVEL PATH FREE AND CLEAR OF SEDIMENT EACH DAY THE WORK PROGRESSES AND AS OFTEN AS NECESSARY TO KEEP A CLEAN BROOM SWEPT CONDITION AND OR AS DIRECTED BE THE ENGINEER.
- 25. THE ELEVATION OF THE EXISTING WATER MAIN AS DEPICTED ON THE DRAWINGS IS ASSUMED. CONTRACTOR SHALL CONFIRM ELEVATION OF EXISTING WATER MAIN AND LOCATION OF ALL SERVICE CONNECTION DURING CONSTRUCTION.
- 26. ALL CONNECTIONS TO THE EXISTING WATER MAIN SHALL BE REPLACED. THE INSTALLATION OF NEW FIRE SERVICE LATERALS SHALL INCLUDE ALL PIPING, VALVES, VALVE BOXES AND RECONNECTION OF EXISTING SERVICE
- 27. ALL UTILITY CROSSINGS/OFFSETS SHALL INCLUDE COMPACTED STABILIZATION MATERIAL FOR FULL LENGTH OF CROSSING.
- 28. SEPARATE PAYMENT WILL NOT BE MADE FOR EXCAVATION, DEWATERING, FITTINGS, PIPE BEDDING, SHEETING, BRACING, SHORING, INLET CONNECTIONS, TRAPS, AND SUITABLE BACKFILL MATERIAL INVOLVED IN ALL PIPE AND ASSOCIATED STRUCTURES REMOVAL, RECONSTRUCTION AND INSTALLATION, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL REGARDLESS OF DEPTH.
- 29. THE CONTRACTOR SHALL EXERCISE PARTICULAR CARE, ESPECIALLY AT INTERSECTIONS AND GUTTER LINES, IN MILLING AND CONSTRUCTION OF PAVEMENT TO PROVIDE POSITIVE FLOWING STORMWATER. ANY AREAS WHERE WATER IS IMPOUNDED SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- 30. ALL WORK TO BE COORDINATED WITH SEPARATE CONTRACTORS FOR ONGOING WORK IN AREAS SURROUNDING THE SITES.
- 31. AT ALL LIMITS OF PAVING (L.O.P.) THE CONTRACTOR SHALL SAWCUT, TACK COAT AND SEAL TO MATCH EXISTING PAVEMENT. SEPARATE MEASUREMENT AND PAYMENT FOR ALL THIS WORK SHALL NOT BE MADE AND ALL COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE BID.
- 32. INLET SEDIMENT PROTECTION SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED INLETS AND CATCH BASINS SHOWN ON THE PLANS. SEPARATE PAYMENT WILL NOT BE MADE, BUT SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 33. THE CONTRACTOR SHALL NOT BE PERMITTED TO UTILIZE ANY KIND OF HMA VIBRATORY ROLLER OR VIBRATORY DRUM COMPACTOR ON THIS PROJECT. ALTERNATIVE COMPACTION TECHNIQUES, SUCH AS STATIC ROLLERS, SHALL BE APPROVED BY THE RESIDENT ENGINEER.
- 34. STAINLESS STEEL BOLTS ARE TO BE USED FOR ALL BURIED BOLTS.
- 35. POLYETHYLENE WRAP SHALL BE USED ON ALL DUCTILE IRON PIPING, FITTINGS & APPURTENANCES THROUGHOUT THE PROJECT.

ENVIRONMENTAL COMMITMENTS:

- 1. IMPLEMENT SOIL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
- 2. IMPLEMENT STANDARD MEASURE FOR CONSTRUCTION RELATED NOISE AND AIR QUALITY IMPACT CONTROLS.
- 3. BEST MANAGEMENT PRACTICE WILL BE UTILIZED DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING STORM WATER INLETS AND ENVIRONMENTALLY SENSITIVE AREAS.
- 4. CONSTRUCTION STAGING ACTIVITIES (INCLUDING STORAGE OF EQUIPMENT, VEHICLES AND MATERIALS) ARE PROHIBITED IN THE ENVIRONMENTALLY SENSITIVE AREA OR GREEN ACRES ENCUMBERED PROPERTIES.
- 5. IF CONTACT WITH THE NORTHERN LONG—EARED BAT IS MADE DURING MAINTENANCE OPERATION, CONSULTATION WITH USFWS AND BEPR WILL BE REQUIRED.





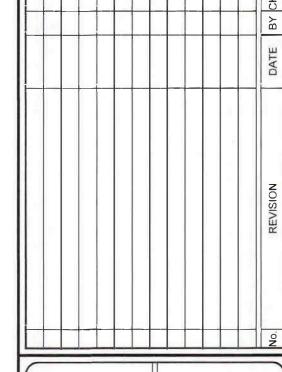
& VERNICK
ENGINEERS
2059 SPRINGDALE ROAD
CHERRY HILL, NJ 08003

(856) 795-9595, FAX (856) 795-1882
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28003300
~ENGINEERING EXCELLENCE~

STEPHANIE A. CUTHBERT
NJ PROFESSIONAL ENGINEER LIC. No. 42136

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSING YOUNGER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON OVERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON OVERNICK ENGINEERS AND AFFILIATES; AND OWNERS SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON OVERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OF RESULT TO THE RESULT OF THE PROJECT OF THE RESULT OF THE RESULT OF THE PROJECT OF THE RESULT OF THE RESULT OF THE PROJECT OF THE



GENERAL NOIES

SOUTH JERSEY PORT CORP

Y TERMINAL WATER FIRE MAIN REPLACEMENT

DRAWN BY DESIGN BY CHECKED BY SCALE AS NOTED

DATE SHEET NO. SHEET NO. G-1

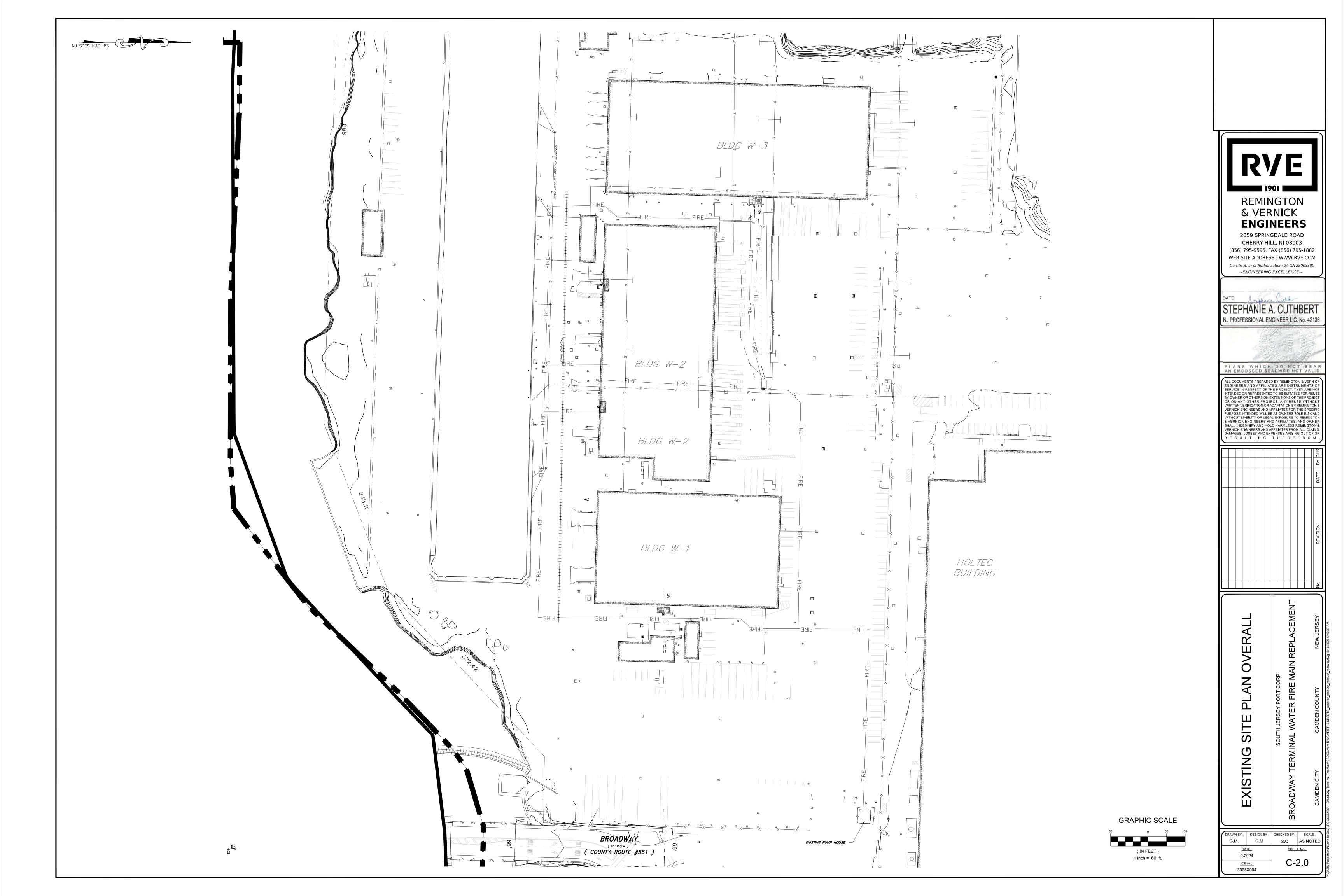
3965X004

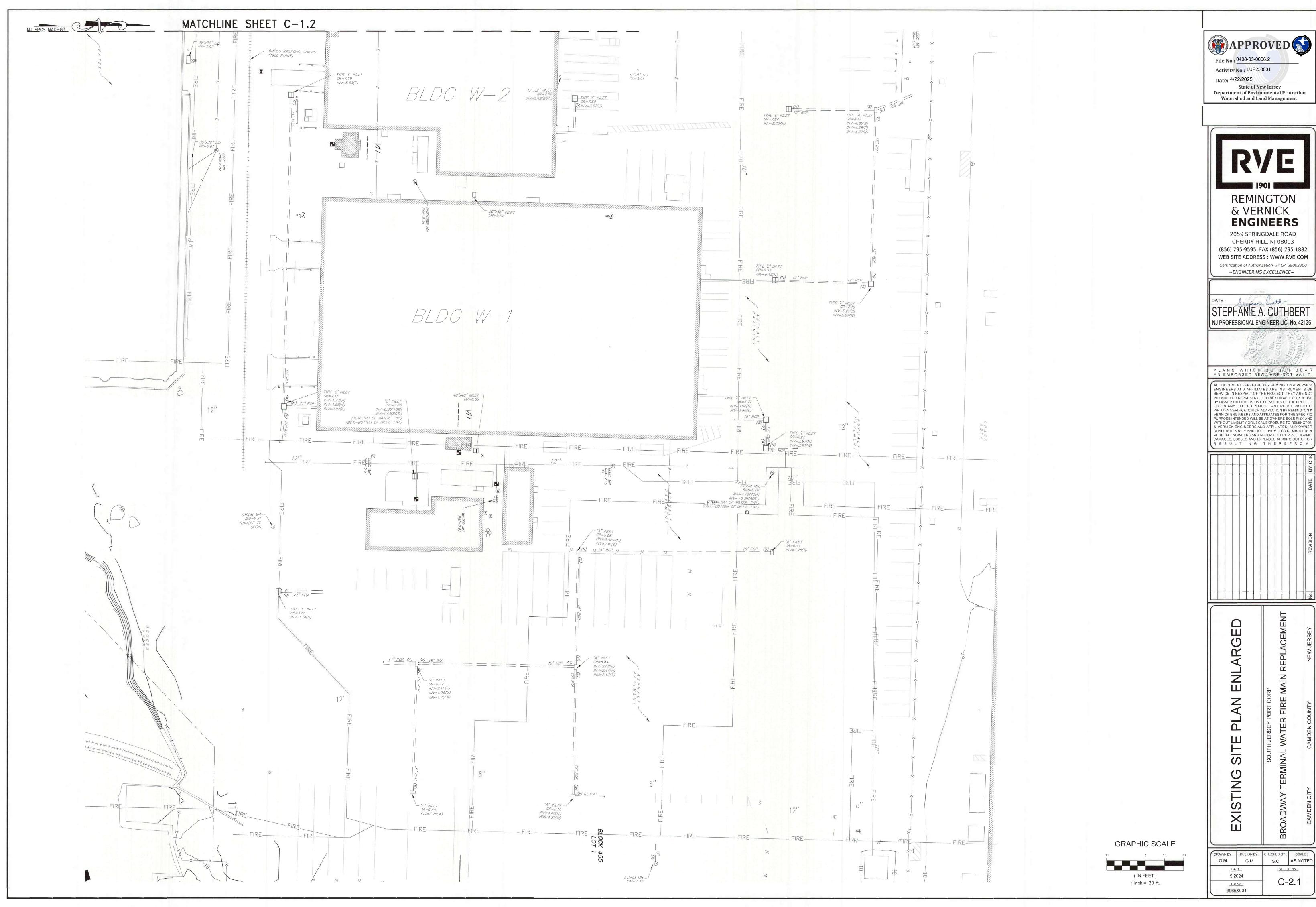
STANDARD LEGEND

NOTE: ALL SYMBOLS MAY NOT BE USED

						LL SYMBOLS MAY NOT BE		1 1				File No.: 0408-03-0006.2
М	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	Activity No.: LUP250001 Date: 4/22/2025
	OVERHEAD WIRE	OHW			BENCHMARK LOCATION	(BM) X			EDGE OF PAVEMENT			State of New Jersey Department of Environmental I Watershed and Land Manag
	SANITARY FORCE MAIN PIPE	———— FM —————	FM		CROWS FOOT	Y			CURB			
	STORM SEWER PIPE ≤12" STORM SEWER PIPE > 12"	(SIZE & TYPE)	(SIZE & TYPE)		AERIAL TARGET	+			PAVEMENT / CONC. / SIDEWALK	BITUMINOUS/ASPHALT	CONCRETE SIDEWALK	
	GAS SERVICE		G		CONCRETE MONUMENT	·	■ (SET)	18 1		CONCRETE	PAVEMENT, FULL DEPTH RESTORATION	
	SANITARY SEWER PIPE ≤12" SANITARY SEWER PIPE > 12"	S ————————————————————————————————————	S (SIZE & TYPE)		PK / MAG NAIL / DRILL HOLE / SPIKE	0	• (SET)			BRICK/PAVERS	PAVEMENT MILLING	IRMI
	ELECTRIC SERVICE	E	E ————		DRILL HOLE W/ WINGS	- 0 -				STONE	DRIVEWAY RESTORATION, ASPHALT	1901
	FIBER OPTIC SERVICE TELEPHONE SERVICE	F0 T	——————————————————————————————————————		STAKE	Δ	▲ (SET)	F III			DRIVEWAY RESTORATION, BRICK	REMINGTO
	COMMUNICATIONS SERVICE	c ————	c		HUB	Δ	Δ (SET)				DRIVEWAY RESTORATION, CONCRETE	& VERNICI
	IRRIGATION PIPE	IRR	IRR		PIN W/ CAP IRON PIPE	•	• (SET)				DRIVEWAY RESTORATION, STONE	ENGINEE
	FIRE SERVICE			>	IRON PIN		• (SET)	×				2059 SPRINGDALE R CHERRY HILL, NJ 08
1	WATER SERVICE		———— w————	N N	CROSS CUT	×	₩ (SET)	NORK	LIMIT OF EXCAVATION			(856) 795-9595, FAX (856) WEB SITE ADDRESS : WWW
	WATER SHUT-OFF	w.Eg	WSO	12	DISK			Ž	GUIDE RAIL			Certification of Authorization: 24 G ~ENGINEERING EXCELLEN
	WATER METER	W.M	VV IVI	S	STONE	0		6	BOLLARD	0	Ø	e NEW
	WATER VALVE	W.	M NEW M RESET		REBAR	⊙		A	MAILBOX	TAC.		DATE: Styling Cuth
	WATER HYDRANT	HÇ0	▼ NEW ▼ RESET		BASELINE	-	+	2	SIGNS	0 00	 +	STEPHANIE A. CUT NJ PROFESSIONAL ENGINEER LI
	WELL	@	⊕ YH		CENTERLINE	0	-		FLAG POLE		~	THO I NOI LOGIONAL ENGINEER LI
	YARD HYDRANT	ď	Q		EASEMENT			०ठ	BENCH			
	METER PIT	0	000		RIGHT-OF-WAY			쁘	PILE	0	©	DIANG WHICH T
	GAS SHUT-OFF	€\$P	CM		PROPERTY BOUNDARY			S	DETECTABLE WARNING SURFACE	5333	· · · · · · · · · · · · · · · · · · ·	PLANS WHICH DOWN'S AN EMBOSSED SEAL ARE N
	GAS METER	G M	GIVI		ADJACENT PROPERTY BOUNDARY				TYPICAL STRIPING			ALL DOCUMENTS PREPARED BY REMINO ENGINEERS AND AFFILIATES ARE INS SERVICE IN RESPECT OF THE PROJECT INTENDED OR REPRESENTED TO BE SUITA
	GAS VALVE	E	M NEW M RESET		RAILROAD TRACKS			100	ADA STRIPING	(<u>)</u>	&.	BY OWNER OR OTHERS ON EXTENSIONS (OR ON ANY OTHER PROJECT. ANY RI WRITTEN VERIFICATION OR ADAPTATION I VERNICK ENGINEERS AND AFFILIATES FO
	GAS LINE MARKER	<u>-G</u>	20		STATE BOUNDARY			111	TRAFFIC CONTROL BOX	[TCB]		PURPOSE INTENDED WILL BE AT OWNER: WITHOUT LIABILITY OR LEGAL EXPOSURE & VERNICK ENGINEERS AND AFFILIATE SHALL INDEMNIFY AND HOLD HARMLES
	CLEANOUT	& E	CO		MUNICIPAL / COUNTY BOUNDARY				TRAFFIC LIGHT		(ARM TO SCALE)	VERNICK ENGINEERS AND AFILIATES F DAMAGES, LOSSES AND EXPENSES ARIS R E S U L T I N G T H E R
	SEWER VENT	&							DEPT. OF TRANSPORTATION MANHOLE	@		
	INLET TYPE A		RESET RECONSTRUCT		BORING LOCATION	♦ 8-1	→ B-#		STATE HIGHWAY DEPARTMENT	MANHOLE SHD BOX		
	INLET TYPE B		RESET RECONSTRUCT	E	MONITORING WELL LOCATION	⊕ MW-#	● MW-#		RAILROAD CROSSING BEACON	8		
	INLET TYPE E		RESET RECONSTRUCT		TEST PIT LOCATION	₽ 7₽− #	■ TP-#		CALL BOX	3		
	AREA DRAIN	•	•	Σ	FRESHWATER WETLAND FLAG	X FW-#			OIL FILL	€		
	MANHOLES	S SANITARY D DRAINAGE T TELEPHONE W WATER C CATV W UNDERDRAIN	NEW PRESET RECONSTRUCT		FRESHWATER WETLAND LINE				UNDERGROUND STORAGE TANK LID	UST		
	HEADWALL	© ELECTRIC © GAS @ UNKNOWN		2	FRESHWATER WETLAND BUFFER				RISER PIPE	8		
	HEADWALL W/ WINGS				EDGE OF WATER				RAISED PAVEMENT MARKER	6	•	
	IRRIGATION CONTROL VALVE	CK.	NEW ⋈ RESET		STREAM CENTERLINE				TYPICAL NORTH ARROW	NAD-1983		
	IRRIGATION CONTROL VALVE	AR.	NEW MRESET		GRASS/SOD						USED ON STANDARD CONSTRUCTION SHEETS EFER TO STATE PLANE COORDINATE SYSTEM.	
	IRRIGATION CONTROL BOX				DECIDUOUS TREE	6 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	SHADE ORNAMEN	TAL A	APR. APRON EL. ELEVATION ASB ASBESTOS CEMENT PIPE EX. EXISTING	PERF. PERFORATED PC POINT OF CURVATUR	SWL SINGLE WHITE LINE RE SYL SINGLE YELLOW LINE	
	SPRINKLER HEAD	0		2	SHRUBS / BUSH		\circ	A	AFF ABOVE FINISHED FLOOR FFE FINISH FLOOR ELEVATION ASB ASBESTOS FT FEET		N TBA TO BE ABANDONED	
	UNKNOWN VALVE	M	•	=	EVERGREENS		The same of the sa	S	AL ALUMINUM E.B., W.B. EASTBOUND, WESTBOUND, N.B., S.B. NORTHBOUND, SOUTHE	ND.		
	COMMUNICATIONS PEDESTAL			K	STUMP		S.W.		BL BASELINE GL GUTTER LINE BM BENCH MARK GR GRATE	PK PARKER KAYLON MAS	SONRY NAIL TEL TELEPHONE TEMP- TEMPORARY	
	COMMUNICATIONS LINE MARKER	<u>c</u>		SC	WOODS / TREE LINE		· · · · · · · · · · · · · · · · · · ·		BIT. BITUMINOUS GALV. GALVANIZED BLDG, BUILDING HW HEADWALL	PVC POLYVINYL CHLORIDI PVC POINT OF VERTICAL CURVATURE		
	TELEPHONE PEDESTAL	T		9	WIRE FENCE	//////	—//—//—	4 B	BGS BELOW GROUND SURFACE HDPE HIGH DENSITY POLYETH	YLENE PIPE PVI POINT OF VERTICAL INTERSECTION	UP UTILITY POLE	MOX II
	TELEPHONE LINE MARKER	_		A	SPLIT RAIL FENCE	→	 00		CL CENTERLINE INV INVERT CIP CAST IRON PIPE IP IRON PIN	PVT POINT OF VERTICAL T R RADIUS	VAR. VARIES	Norto
	ELEC. BOX			-	WOOD / VINYL FENCE				CONC. CONCRETE IN INCHES CMP CORRUGATED METAL PIPE JB JUNCTION BOX CULV CULVERT LSA LANDSCAPED AREA	RCP REINFORCED CONCR RMC RIGID METALLIC CON R.O.W. RIGHT OF WAY	RETE PIPE WM WATER METER IDUIT	
	ELEC. METER	8'			CHAIN-LINK FENCE	XXX	xxx		CULV_ CULVERT LSA LANDSCAPED AREA CS CARBON STEEL LF LINEAR FEET CF CUBIC FEET LST LANDSCAPE TIE	R.O.W. RIGHT OF WAY R.R. RAILROAD RTE. ROUTE		H JERN H JERN
	ELEC. TRANSFORMER PAD	<u>ET</u>			TOD OF DANK / DITOU				CY CUBIC YARDS LOM LIMIT OF MILLING CMU CONCRETE MASONRY UNIT LOP LIMIT OF PAVING	SAN, SANITARY SS STAINLESS STEEL		Thos
	ELEC. VAULT	ŒΝ			TOP OF BANK / DITCH BOTTOM OF BANK / DITCH	TB		D	D.C. DEPRESSED CURB MB MAILBOX DH DRILL HOLE MAX MAXIMUM	SWK SIDEWALK SHD STATE HIGHWAY DEP	PARTMENT	
	ELEC. LINE MARKER	_ <u>E</u>		(3)	CONTOUR (MAJOR)	68 ————————————————————————————————————	5	D	DIA. DIAMETER MIN. MINIMUM DIP DUCTILE IRON PIPE MH MANHOLE	SHLD. SHOULDER STY. STORY		
	UTILITY POLE	STANDARD WY LIGHT WY SOLAR	ملح ملح مد	DING	CONTOUR (MINOR)	3 — — —	3	D	DWY DRIVEWAY NO NUMBER DYL DOUBLE YELLOW LINE N.T.S. NOT TO SCALE	STA. STATION		
	GUY ANCHOR	~			FLOW LINE / SWALE				P PIPE		DE DEDDECENITATIONI	
	ELEC. OUTLET	(G		TIME OF CONCENTRATION		>>>		DIAWIN	U INUIVIEINULATUI	RE REPRESENTATION	
	LIGHTS	♥ POLE ♥ AREA	* ▼	8	SPOT GRADE	_X 3.48	×3.48				1 UNIT SAN. MH #1210 STA.24+03 RIM=61.00 INV.=50.50(1) INV.=50.40(2)	DRAWN BY: DESIGN BY: CHECKED B
	VENT	W.T				TC5.45	TC5.45 GL4.95		SAN. MH. RIM=61.00 INV50,50(1)		INV.=50.40(2) 100 LF 2 100 LF 1	G.M. G.M S.C DATE: SH
	VENT PIPE	8			ROADWAY GRADE DRAINAGE FLOW	GL4.95 ⇒	→ → ⇒		$= = \frac{24'' \text{ PVC}}{\text{(3)}} = \frac{(1)}{\text{(2)}} \text{ (2)} \text{ (2)}$	_	$====\frac{(1)}{(2)}$	9.2024 JOB No :





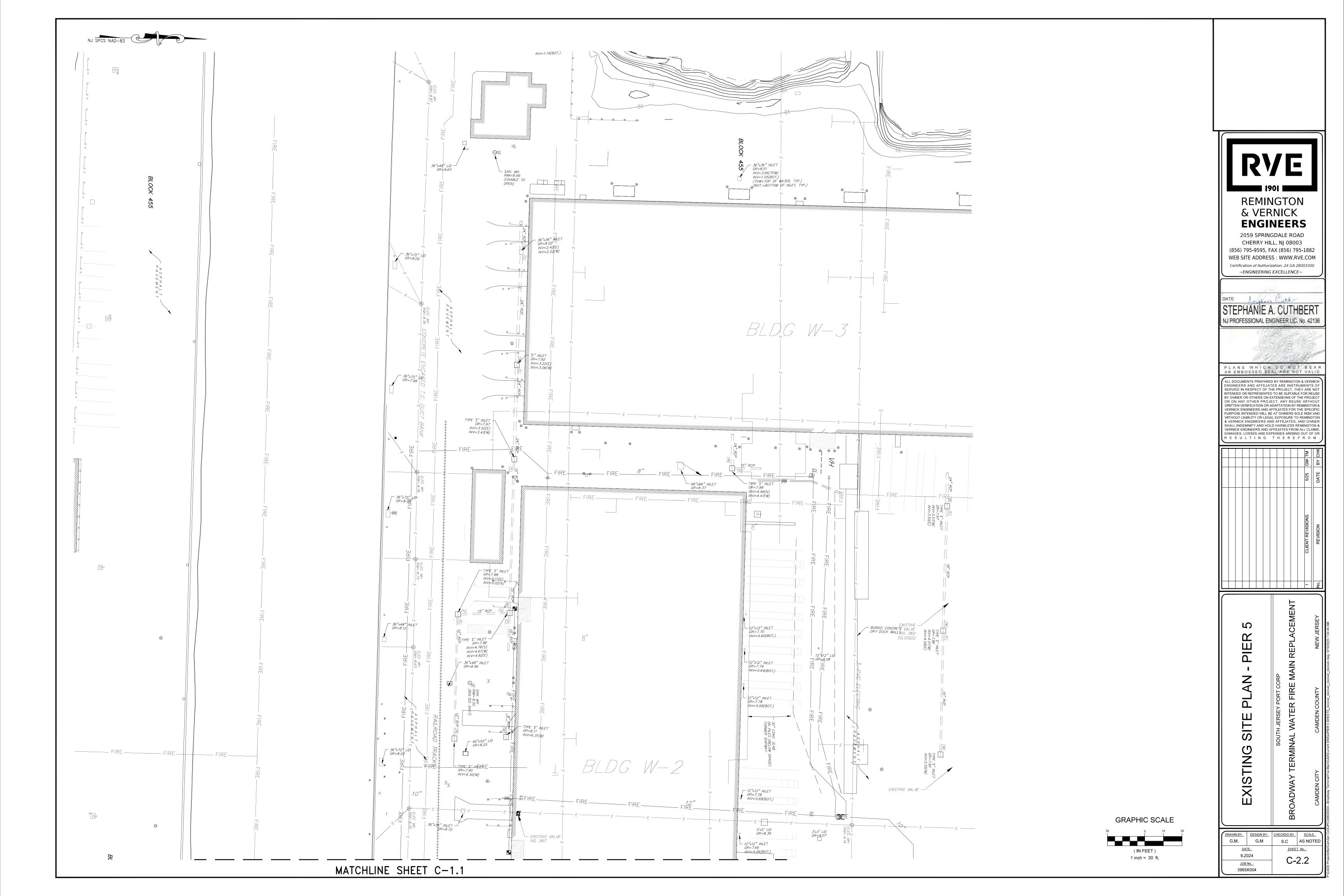


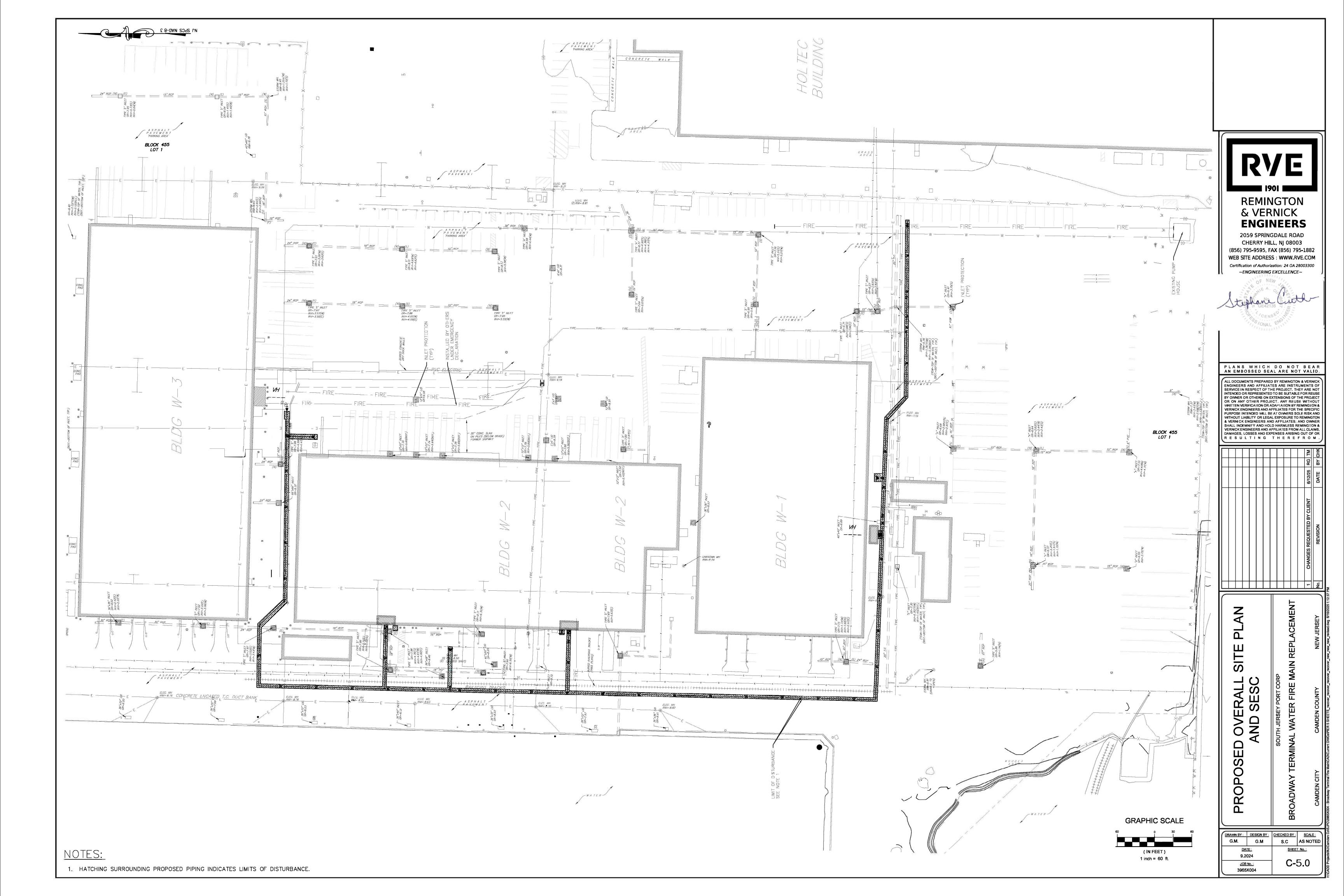
APPROVED (5)

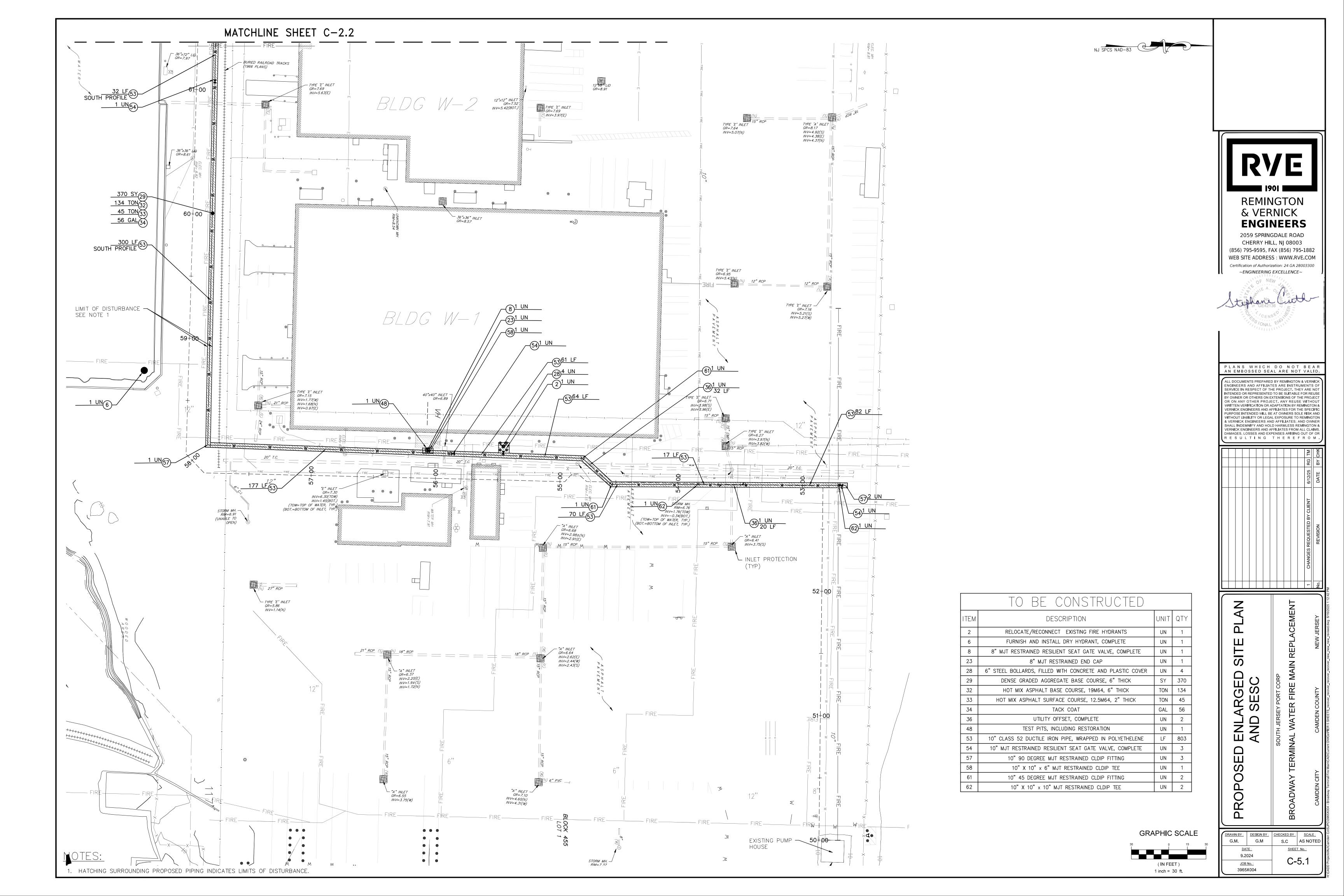
(856) 795-9595, FAX (856) 795-1882 WEB SITE ADDRESS: WWW.RVE.COM Certification of Authorization: 24 GA 28003300

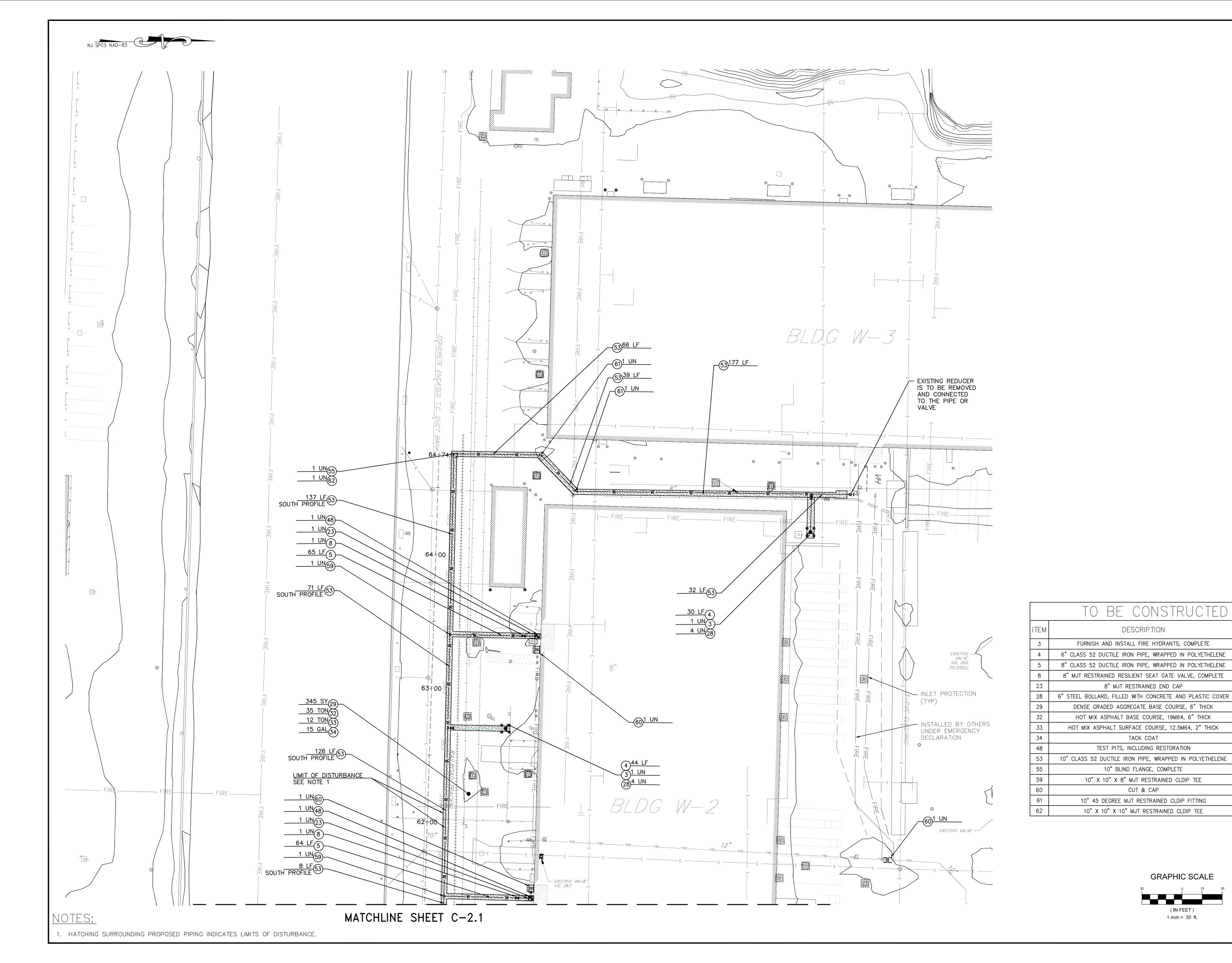
STEPHANE A. CUTHBERT

G.M. G.M S.C AS NOTED













~ENGINEERING EXCELLENCE~

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID. ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC BLIPPOSE INTENDED MALLERS FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK ANI WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTOI & VERNICK ENGINEERS AND AFFILIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR R E S U L T I N G T H E R E F R O M .

UN 3

UN 2

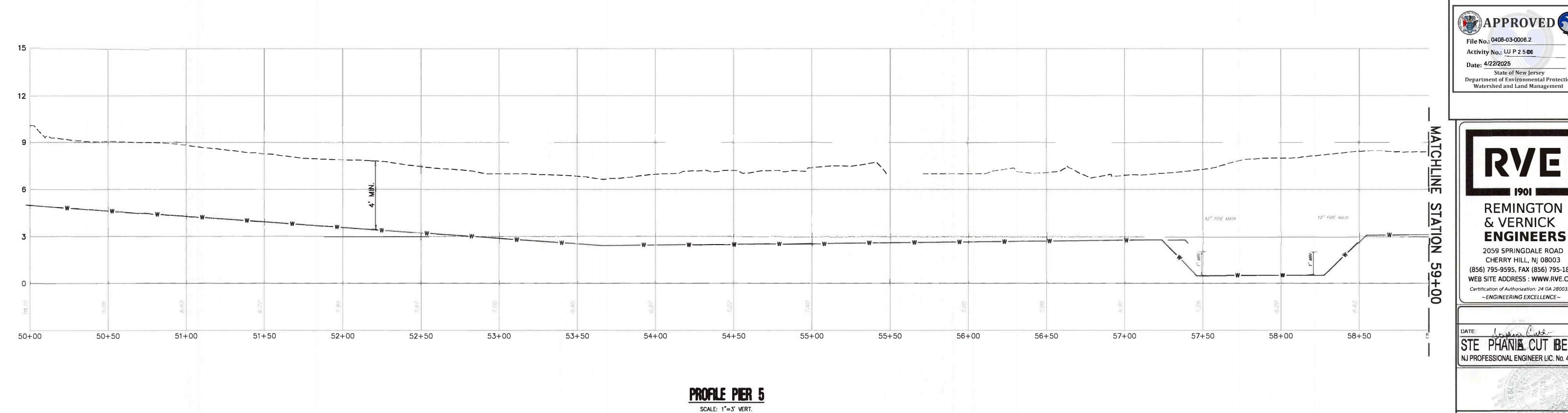
<u>ш</u>		<u> </u>		
DRAWN BY:	DESIGN BY :	CHECKED BY:	SCALE:	֡֝֟֟֝֟֝֟֟֝֟֝֟֡֝֟֟֝֟֡֝֟֡֝֟֡֝֡֡֡֡֡֡֡֝֟֡֝ ֡
G.M.	G.M	s.c	AS NOTED	
<u>DA</u>	DATE: SHEET No.:			
9.2	024		5 2	
<u>JOB</u>	No. :	\ \ \-\	5.2	ľ
3965	X004			П

1 inch = 30 ft.

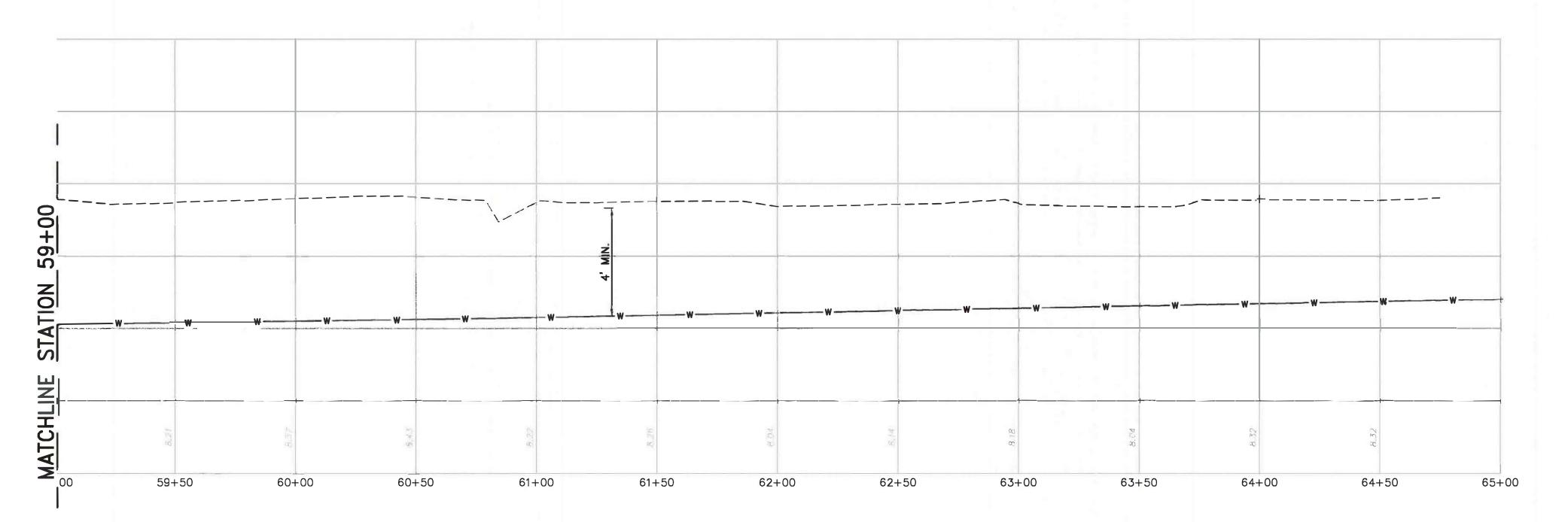
DESCRIPTION

TACK COAT

CUT & CAP



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



PROFILE PIER 5 SCALE: 1"=3' VERT. SCALE: 1"=30' HORIZ.

File No.: 0408-03-0006.2 Activity No.: LU P 2 5 000 Date: 4/22/2025 State of New Jersey **Department of Environmental Protection**

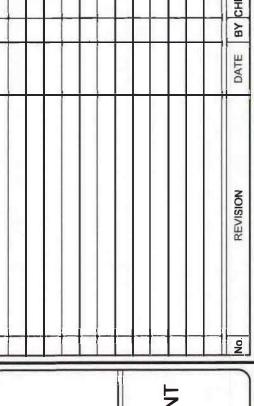
REMINGTON & VERNICK **ENGINEERS**

2059 SPRINGDALE ROAD CHERRY HILL, NJ 08003 (856) 795-9595, FAX (856) 795-1882 WEB SITE ADDRESS: WWW.RVE.COM Certification of Authorization: 24 GA 28003300

NJ PROFESSIONAL ENGINEER LIC. No. 42136

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WOLTDEN VERSION OF A PRAPTATION BY DEMANCION S WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES; AND OWNER SHALL INDEMNITY ON A PRICE SEASON. SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS. DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM



G.M. G.M S.C AS NOTED 9.2024 C-6.0JOB No. :

3965X004

SOIL EROSION AND SEDIMENT CONTROL NOTES ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. ALL WORK TO BE DONE IN ACCORDANCE WITH THE STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY 2. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 10 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2 TONS DEPLACED. 3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH WILL BE USED FOR PROTECTION UNTIL SEEDING' IS ESTABLISHED. 4. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING. 5. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E.: STEEP SLOPES, ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE. 6. ANY STEEP SLOPE RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY AS THE INSTALLATION PROCEEDS (I.E.: SLOPES GREATER THAN 3:1). 7. TRAFFIC CONTROL STANDARDS REQUIRE THE INSTALLATION OF A 50'X 10' AD OF 1-1/2" TO 2" STONE AT ALL CONSTRUCTION DRIVEWAYS IMMEDIATELY AFTER INITIAL SITE DISTURBANCE. A CRUSHED STONE TIRE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ENTRANCE EXISTS. THE RIP-RAP PAD MUST BE 50' IN LENGTH; THE STONE MUST BE 1.5"-4" IN SIZE, PLACED 12" THICK AND THE FULL WIDTH OF THE ENTRANCE. IT SHOULD BE UNDERLINED WITH A SYNTHETIC FILTER FABRIC AND MAINTAINED 8. IN ACCORDANCE WITH STANDARDS FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE PRIOR TO SEEDBED PREPARATION. 9. THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY. 10. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITION, NON-VEGETATIVE MEANS OF GROUND STABILIZATION WILL HAVE TO BE EMPLOYED. 11.CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL 12.ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE COUNTY SOIL CONSERVATION DISTRICT FOR RECERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT NEW JERSEY SOIL EROSION AND SEDIMENT CONTROL STANDARDS. 13.PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. 14.THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL SOIL EROSION & SEDIMENT CONTROL MEASURES. 15.IN THAT N.J.S.A. 4:24-39 ET SEQ., REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES, ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS, WILL HAVE TO BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY. TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. 2. SEEDBED PREPARATION A. APPLY LIMESTONE AND FERTILIZER. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS: CLAY, CLAY LOAM, AND HIGH SANDY LOAM, LOAM, SILT LOAM LOAMY SAND, SAND PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE. B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED C. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AS ABOVE. D. SOILS HIGH IN SULFIDES OR HAVING A pH OF 4 OR LESS SHOULD BE MULCHED ONLY. A. SEE TEMPORARY SEED MIXTURE FOR SPECIES AND APPLICATION RATES. B. APPLY SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL CULTIPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDRO-DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COURSE TEXTURED SOIL. C. AFTER SEEDING, FIRMING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING 4. MULCHING MULCHING IS REQUIRED ON ALL SEEDING. A. MULCH MATERIALS SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH—BINDER (TACKIPYING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER—BLOWERS MUST NOT GRIND THE MATERIAL. B. <u>SPREAD UNIFORMLY</u> BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND—SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 C. MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS. PEG AND TWINE— DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISSCROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OF MORE POUND. TURNS 2. MULCH NETTING STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED. 3. CRIMPER (MULCH ANCHORING TOOL)— A TRACTOR—DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED. D. WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL. THIS SEEDING MIXTURE IS COMPOSED OF A SINGLE SPECIES WHICH GERMINATES QUICKLY IN ORDER TO REDUCE SOIL EROSION UNTIL A PERMANENT VEGETATIVE COVER CAN BE ESTABLISHED. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE. COMMON NAME ANNUAL RYE GRASS BOTANICAL NAME LOLIUM MULTIFLORUM 100% THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FOUR (1) POUND/1000 SQUARE FEET OR 100 POUNDS/ACRE. RECOMMENDED SEEDING PERIODS ARE APRIL 1-MAY 31 AND AUGUST 16-OCTOBER 15. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION. PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION 1. SITE PREPARATION A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. FILTER FABRIC DETAIL OR APPROVED EQUAL N.T.S.

- FILTER FABRIC

 \Longrightarrow

DIG 6" WIDE & DEEP TRENCH,

TAMP IN PLACE

BURY BOTTOM 1'-0" OF FABRIC,

THE PERSON NAMED IN COLUMN 1

EMBEDDING DETAIL

2. SEEDBED PREPARATION A. APPLY LIMESTONE AND FERTILIZER. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNÉSIUM OXIDES) AS FOLLOWS: TONS/ACRE CLAY, CLAY LOAM, AND HIGH SANDY LOAM, LOAM, SILT LOAM LOAMY SAND, SAND PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE. B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE EQUIPMENT. THE FINAL HARROWING OF DISCING OF LISTING STREET STREET SEEDS OF LISTING STREET SEEDS OF LI O FIRM THE SEEDBED WHEREVER FEASIBLE. REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS, OR OTHER UNSUITABLE MATERIAL. SEEDING A. SEE PERMANENT SEED MIXTURE FOR SPECIES AND APPLICATION RATES. B. APPLY SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDROSEEDER TANK WITH SEED. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDING, SHALL BE INCORPORATED INTO THE SOIL, TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OF DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COURSE TEXTURED SOIL. C. AFTER SEEDING, FIRMING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO—SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING EMERGENCE. 4. MULCHING MULCHING IS REQUIRED ON ALL SEEDING. A. MULCH MATERIALS SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL. 3. <u>SPREAD UNIFORMLY</u> BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 DOLLING MUTLIN FACUL SECTION. POUNDS WITHIN EACH SECTION. IRRIGATION PERMANENT SEEDING MIXTURE (DRY) WEEPING LOVEGRASS SQUARE FEET OR 175 POUNDS/ACRE. SUCCESSFUL GERMINATION. PERMANENT SEEDING MIXTURE (MOIST) COMMON NAME SQUARE FEET OR 220 POUNDS/ACRE. PINELANDS SEEDING MIXTURE (DRY) JAMESTOWN CHEWINGS FESCUE FESTUCA RUBRA VAR. COMMUTATA "JAMESTOWN" THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FIVE (5) POUNDS/1000 RECOMMENDED SEEDING PERIODS ARE APRIL 1—MAY 31 AND AUGUST 16—OCTOBER 15. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION. PINELANDS SEEDING MIXTURE (MOIST) THIS SEEDING MIXTURE IS COMPOSED OF SPECIES WITH A HIGH DEGREE OF MOISTURE TOLERANCE WHICH CAN THRIVE IN THE ACIDIC SOIL CONDITIONS COMMONLY FOUND IN THE PINELANDS. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE. COMMON NAME REBEL 2 TALL FESCUE STREAKER REDTOP THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FIVE (5) POUNDS/1000 SQUARE FEET OR 220 POUNDS/ACRE. RECOMMENDED SEEDING PERIODS ARE APRIL 1-MAY 31 AND AUGUST 16-OCTOBER 15. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION. = 1 1/2" 🗭 MINIMUM POST 4'-0" LG. MIN. (SPACING 8'-0" C. TO C.)

C. <u>MULCH ANCHORING</u> SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS. 1. PEG AND TWINE— DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS AND SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS. MULCH NETTING— STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED. 3. CRIMPER (MULCH ANCHORING TOOL)— A TRACTOR—DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED. D. WOOD—FIBER OR PAPER—FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL. A. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER (A MINIMUM OF 1/4 INCH TWICE A DAY UNTIL VEGETATION IS WELL ESTABLISHED). THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE PERFORMED IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES. A. SPRING SEEDING WILL REQUIRE AN APPLICATION OF FERTILIZER SUCH AS 10-10-10 OR EQUIVALENT AT 400 POUNDS PER ACRE OR 10 POUNDS PER 1,000 SQUARE FEET B. FALL SEEDING WILL REQUIRE THE ABOVE BETWEEN MARCH 15 AND MAY 1 C. MIXTURES DOMINATED BY WEEPING LOVEGRASS OR LEGUMES MAY NOT NEED TOPDRESSING. * IF SLOW RELEASE NITROGEN (300 POUNDS 38-0-0 PER ACRE OR EQUIVALENT) IS USED IN ADDITION TO SUGGESTED FERTILIZER, THIS FOLLOW-UP OF TOP DRESSING IS NOT THIS SEEDING MIXTURE IS COMPOSED OF DROUGHT-TOLERANT SPECIES WHICH CAN THRIVE WITH LOW MAINTENANCE. THE PROPRIETARY NAME OF THE MIXTURE IS RECLAIM CONSERVATION

MIX-DRY FORMULA AS MANUFACTURED BY LOFTS. INC., BOUND BROOK, N.J. 08805, (800)526-3890.

A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE. BOTANICAL NAME FESTUCA ARUNDINACEA "CLEMFINE" CLEMFINE TALL FESCUE ERAGRASTIS CURVULA FESTUCA LONGIFOLIA "RELIANT"
FESTUCA RUBRA VAR. COMMUTATA "JAMESTOWN"
LOLIUM PERENNE "PALMER"
TRIFOLIUM REPENS
PANICUM VIRGATUM "BLACKWELL" JAMESTOWN CHEWINGS FESCUE PALMER PERENNIAL RYE WHITE CLOVER BLACKWELL SWITCHGRASS THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FOUR (4) POUNDS/1000 RECOMMENDED SEEDING PERIODS ARE APRIL 1—MAY 31 AND AUGUST 16—OCTOBER 15. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE THIS SEEDING MIXTURE IS COMPOSED OF MOISTURE—TOLERANT SPECIES WHICH CAN THRIVE WITH LOW MAINTENANCE. THE PROPRIETARY NAME OF THE MIXTURE IS RECLAIM CONSERVATION

MIX-MOIST FORMULA AS MANUFACTURED BY LOFTS. INC., BOUND BROOK, N.J. 08805, (800)526-3890.

A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED F APPROVED BY OUR OFFICE. BOTANICAL NAME CLEMFINE TALL FESCUE FESTUCA ARUNDINACEA "CLEMFINE" POA PRATENSIS "NASSAU NASSAU KENTUCKY BLUEGRASS LOLIUM PERENNE "PALMER" POA TRIVIALIS "LASER" PALMER PERENNIAL RYE LASER POA TRIVIALIS STREAKER REDTOP AGROSTIS ALBA "STREAKER" REED CANARY GRASS PHLARIS ARUNDINACEA THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FIVE (5) POUNDS/1000 RECOMMENDED SEEDING PERIODS ARE APRIL 1-MAY 31 AND AUGUST 16-OCTOBER 15.
SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE THIS SEEDING MIXTURE IS COMPOSED OF DROUGHT—TOLERANT SPECIES WHICH CAN THRIVE IN THE ACIDIC SOIL CONDITIONS COMMONLY FOUND IN THE PINELANDS. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

BOTANICAL NAME

FESTUCA ARUNDINACEA "REBEL 2" AGROSTIS ALBA "STREAKER" FESTUCA RUBRA PANICUM VIRGATUM "BLACKWELL"

FILTER FABRIC, TYPAR STYLE 3341,0.A.E

WITH WIRE AT THREE FOOT INTERVALS.

TO BE TIED TO FENCE AT TOP

FESTUCA ARUNDINACEA "ARID" FESTUCA LONGIFOLIA "RELIANT"

135

TOPSOIL SHOULD BE USED WHERE SOILS ARE: SANDS, GRAVELY SOILS, CLAYS, SILTY CLAYS, VERY SHALLOW, OR WHERE THEY ARE EXTREMELY ACID (LESS THAN pH 4.0) OR SALTY (CONDUCTIVITY GREATER THAN 1.0 MILLIMHOS PER CENTIMETER); OR WHERE TOPSOIL IS AVAILABLE ON SITE AND ASSURANCE OF IMPROVED VEGETATIVE GROWTH IS DESIRED. 1. MATERIALS A. TOPSOIL SHOULD BE FRIABLE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH. A pH RANGE OF 5.0—7.5 IS ACCEPTABLE. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER). TOPSOIL HAULED IN FROM OFF SITE SHOULD HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES. 2. STRIPPING AND STOCKPILING A. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND/OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING. B. STRIPPING SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. C. WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO 6.5. IN LIEU OF SOIL TESTS, SEE LIME RATE GUIDE IN SEEDBED PREPARATION FOR PERMANENT VEGETATIVE COVER. D. A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR F. STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH TEMPORARY SEEDING STANDARDS PREVIOUSLY DESCRIBED HEREIN. SITE PREPARATION A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. DUST CONTROL B. SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT AND LIMESTONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL ph TO 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES. C. IMMEDIATELY PRIOR TO TOPSOIL DISTRIBUTION, THE SURFACE SHOULD BE SCARIFIED TO PROVIDE A GOOD BOND WITH THE TOPSOIL. D. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS. 4. APPLYING TOPSOIL A. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE; I.E., LESS THAN FIELD CAPACITY. B. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS RECOMMENDED. SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A pH OF 5.0 OR MORE. CAMDEN COUNTY SOIL EROSION & SEDIMENT CONTROL NOTES: 1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. 2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. 3. APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED. 4. THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE. 5. ANY DISTURBED AREA THAT IS TO BE LEFT EXPOSED FOR MORE THAN TEN (10) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE NEW JERSEY STANDARDS AND THEIR RATES SHOULD BE INCLUDED IN THE NARRATIVE. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS (I.E. PEG AND TWNE, MULCH NETTING OR LIQUID MULCH BINDER). 6. IT SHALL BE TI-IE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION AND RATES OF APPLICATION AT THE REQUEST OF THE CAMDEN COUNTY SOIL BAG MUST BE LOCATED AWAY 7. ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NEW JERSEY STANDARDS JIMMEDIATELY FROM RECEIVING WATERS FOLLOWING ROUGH GRADING AND/OR CONSTRUCTION ACTIVITIES 8. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES. BAGS MUST BE DISPOSED OF 9. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER ACCORDING TO MANUFACTURER'S EVERY STORM EVENT. INSTRUCTIONS. BAGS MAY NOT BE 10. A CRUSHED STONE, TIRE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS EXISTS. REUSED. TILE STABILIZED PAD WILL BE INSTALLED ACCORDING TO THE STANDARD FOR STABILIZED CONSTRUCTION 11. ALL DRIVEWAYS MUST BE STABILIZED WITH 2 'CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION. 12. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. 13. ALL CATCH BASIN INLETS WILL BE PROTECTED ACCORDING TO THE CERTIFIED PLAN. 14. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME 15. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHOULD BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC. (SEE DETAIL) THE BASIN MUST BE DEWATERED TO NORMAL POOL WITHIN 10 DAYS OF THE DESIGN STORM, 16. NJSA 4: 24-39, ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY. MULCHING IS REQUIRED ON ALL SEEDED AREAS TO INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED TO PROMOTE EARLIER VEGETATION COVER. 17. OFFSITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE EROSION CONTROL INSPECTOR. 18. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION. 19. THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 72 HOURS PRIOR TO ANY LAND DISTURBANCE. 20.ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS. 21. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING OF TOPSOIL, THE STOCKPILE MUST BE STABILIZED ACCORDING TO THE STANDARD FOR TEMPORARY VEGETATIVE COVER. STABILIZE TOPSOIL PILE WITH STRAW MULCH FOR PROTECTION IF TEE SEASON DOES NOT PERMIT THE APPLICATION AND ESTABLISIMENT OF TEMPORARY SEEDING. ALL SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOODPLAIN, SMALLER THAN STONE SURROUNDING FRAME, BUT NOT LESS THAN 3/4" SLOPE, ROADWAY OR DRAINAGE FACILITY AND THE BASE MUST BE PROTECTED WITH A SEDIMENT BARRIER. 22.ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH TILE CURRENT NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL 23.METHODS FOR THE MANAGEMENT OF 11101-1 ACID PRODUCING SOILS SHALL BE IN ACCORDANCE WITH THE STANDARDS. HIGH ACID PRODUCING SOILS ARE THOSE FOUND TO CONTAIN IRON SULFIDES OR HAVE A pH OF 4 OR 24. TEMPORARY AND PERMANENT SEEDING MEASURES MUST BE APPLIED ACCORDING TO THE <u>NEW JERSEY STANDARDS</u> AND MULCHED WITH I SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE <u>NEW JERSEY</u> STANDARDS_ (I.E. PEG AND TWINE, MULCH NETTING OR LIQUID MULCH BENDER), 25.MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1 UNLESS 26.DUST IS TO BE CONTROLLED BY AN APPROVED METHOD ACCORDING TO THE NEW JERSEY STANDARDS AND MAY 27. ADJOINING PROPERTIES SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.

28.USE STAGED CONSTRUCTION METHODS TO MINIMIZE EXPOSED SURFACES, WHERE APPLICABLE.

BY THE DISTRICT INSPECTOR.

LEGEND

HAYBALES (TYPICAL)

SILT FENCE (TYPICAL)

INLET PROTECTION (TYPICAL)

29.ALL VEGETATIVE MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH AMERICAN STANDARDS FOR NURSERY STOCK

OF THE AMERICAN ASSOCIATION OF THE NURSERYMEN AND IN ACCORDANCE WITH THE NEW JERSEY STANDARDS.

31. THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED, AS DIRECTED

30.NATURAL VEGETATION AND SPECIES SHALL BE RETAINED WHERE SPECIFIED ON THE LANDSCAPE PLAN.

THIS PLAN TO BE USED FOR SOIL EROSION

AND SEDIMENT CONTROL PURPOSES ONLY!

TOP SOILING

1. TEMPORARY STABILIZATION - ALL EXPOSED AREAS NOT TO BE CONSTRUCTED UPON WITHIN 10 DAYS SHOULD RECEIVE TEMPORARY STABILIZATION. THE TEMPORARY SEEDING MIXTURES SHALL BE ANNUAL RYE GRASS AT A RATE OF 4 POUND PER 1000 SQ. FT. AND LIMED AT A RATE OF 45 LBS. PER 1000 SQ. FT.

2. PERMANENT STABILIZATION - ALL EXPOSED AREAS WHICH ARE TO BE PERMANENTLY VEGETATED SHOULD BE SEEDED WITHIN 10 DAYS OF FINAL GRADING, ACCORDING TO THE PERMANENT SEEDING SPECIFICATIONS.

3. EVERY EFFORT SHALL BE MADE TO PREVENT AND CORRECT PROBLEMS ASSOCIATED WITH EROSION AND SEDIMENTATION WHICH COULD OCCUR DURING AND AFTER PROJECT CONSTRUCTION. AT A MINIMUM, THE FOLLOWING EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE FOLLOWED:

4. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS OR CONSTRUCTION OF PROPOSED FACILITIES AND SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE AND THE CONSTRUCTION AREA IS STABILIZED. AFTER RESTORATION IS COMPLETE, TEMPORARY CONTROL MEASURES SHALL BE REMOVED AND DISPOSED OF PROPERLY.

5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY," PREPARED BY THE NEW JERSEY STATE SOIL CONSERVATION COMMITTEE," 1999, INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED COPIES OF THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY" ARE AVAILABLE FOR A FEE FROM THE NEW JERSEY DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION COMMITTEE, OR FROM THE OFFICE OF ANY OF THE 16 LOCAL CONSERVATION

IN ORDER TO CONTROL DUST, AS OFTEN AS REQUIRED DURING EACH WORKING DAY, AND PARTICULARLY PRIOR TO THE CONCLUSION OF EACH WORKING DAY AREAS UNDER IMMEDIATE CONSTRUCTION (INCLUDING ACCESS ROADS AND OTHER AREAS AFFECTED THEREBY) SHALL BE SWEPT AND WET DOWN WITH WATER SUFFICIENTLY TO LAY DUST. IN ADDITION THESE AREAS SHALL BE WET DOWN DURING NON-WORKING HOURS (INCLUDING WEEKENDS) AS OFTEN AS REQUIRED TO KEEP THE DUST UNDER CONTROL. THE USE OF CALCIUM CHLORIDE OR PETROLEUM PRODUCTS OR OTHER CHEMICALS FOR DUST CONTROL IS PROHIBITED.

PUMP DISCHARGE

PUMP

EXCAVATION AREA

TOTAL AREA OF DISTURBANCE: < 32,000 SQFT

FILTERED

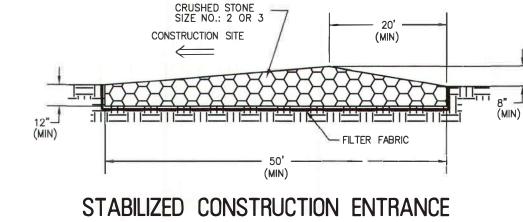
SEDIMENT

CONTROL BAG

N.T.S.

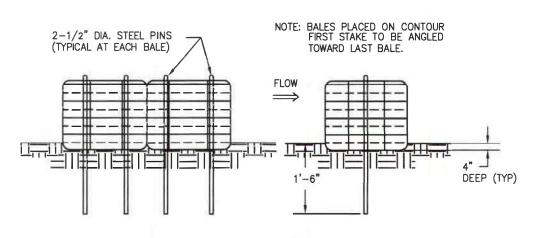
WATER,

FLOW

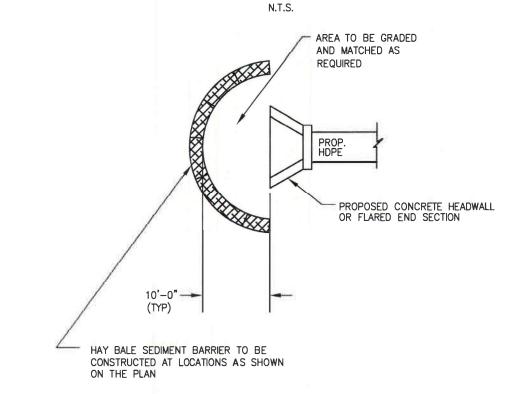


(SEE PLAN FOR WIDTH)

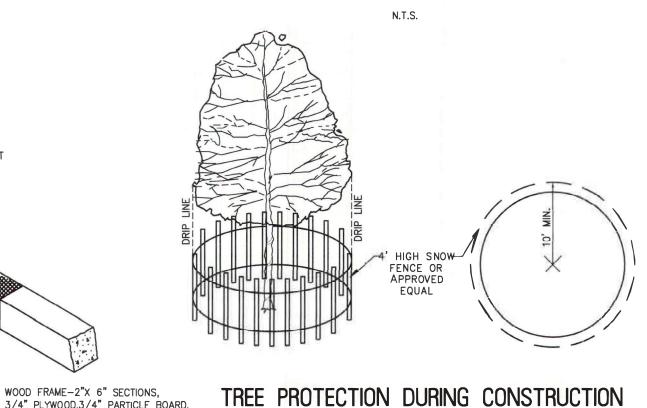
N.T.S.



INSTALLATION/EMBEDDING DETAIL



SEDIMENT CONTROL BAG FOR DEWATERING OUTLET PROTECTION



3/4" PLYWOOD,3/4" PARTICLE BOARD.

NOTE: TO BE UTILIZED FOR ANY ANTICIPATED DISTURBANCE

THE TOP OF THE STANDPIPE SHOULD CLEAN WATER-EXTEND AT LEAST DISCHARGE 12" TO 18" ABOVE UCTION LINE TO PUMP THE TOP OF THE PIT OR ABOVE STANDING WATER EXISTING GROUND LINE - STANDPIPE WRAPPED IN 1/2" HARDWARE CLOTH AND GEOTEXTILE - SIDE SLOPE (VARIES) PERFORATED CORRUGATED METAL OR PVC PIPE WATERTIGHT CAP OR PLACE 12" BASE OF-PLATE

INLET SEDIMENT PROTECTION STRUCTURE

N.T.S.

LOCATION CHANGES MUST BE COORDINATED WITH CAMDEN COUNTY SOIL CONSERVATION DISTRICT. SEDIMENT CONTROL BAGS MAY NOT BE REUSED AND MUST BE LOCATED AWAY TO MANUFACTURER'S INSTRUCTIONS.

REMINGTON & VERNICK **ENGINEERS** 2059 SPRINGDALE ROAD CHERRY HILL, NJ 08003 (856) 795-9595, FAX (856) 795-1882 WEB SITE ADDRESS: WWW.RVE.COM Certification of Authorization: 24 GA 28003300 ~ENGINEERING EXCELLENCE~

File No.: 0408-03-0006.2

Activity No.: LUP250001

State of New Jersey

Department of Environmental Protection

Watershed and Land Management

Date: 4/22/2025

NJ PROFESSIONAL ENGINEER LIC. No. 4213

PLANS WHICHODO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

IGINEERS AND AFFILIATES ARE INSTRUMENTS ERVICE IN RESPECT OF THE PROJECT, THEY ARE NO OR ON ANY OTHER PROJECT. ANY REUSE WITHO VRITTEN VERIFICATION OR ADAPTATION BY REMINGTON ERNICK ENGINEERS AND AFFILIATES FOR THE SPECIF VITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTO VERNICK ENGINEERS AND AFFILIATES; AND OWN SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON OVERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS DAMAGES, LOSSES AND EXPENSES ARISING OUT OF O RESULTING THEREFROM

ZO

CHECKED BY G.M. G.M S.C AS NOTE SHEET No.

RAWN BY DESIGN BY

DATE:

9.2024

JOB No. : 3965X004

SEDIMENT CONTROL BAG CONSTRUCTION SPECIFICATIONS: 1. PIT DIMENSIONS ARE VARIABLE. WITH THE MINIMUM DIAMETER BEING 2 TIMES THE STANDPIPE DIAMETER. 2. THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 12" TO 24" DIAMETER CORRUGATED OR PVC PIPE. THEN WRAPPING WITH 1/2" HARDWARE CLOTH AND GEOTEXTILE FABRIC. THE PERFORATIONS SHALL BE 1/2"x6" SLITS OR 1" DIAMETER HOLES. 3. A BASE OF FILTER MATERIAL CONSISTING OF CLEAN GRAVEL OR ASTM C33 STONE SHOULD BE PLACED IN THE BOTTOM 12" OF THE PIT. AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHOULD THEN BE BACKFILLED WITH THE SAME FILTER MATERIAL. 4. THE STANDPIPE SHOULD EXTEND 12" TO 18" ABOVE THE LIP OF THE PIT OR THE RISER CREST ELEVATION (BASIN DEWATERING ONLY) AND THE FILTER MATERIAL SHOULD EXTEND 3" MINIMUM ABOVE THE ANTICIPATED STANDING WATER FI FVATION. CLEAN STONE BEFORE 5. LOCATE AS REQUIRED (REMOVABLE PUMPING STATION) INSTALLING STANDPIPE CLEAN GRAVEL 6. PITS MAY BE RELOCATED TO OPTIMIZE USE, BUT DISCHARGE FROM CONSTRUCTION ACTIVITIES AND DISPOSED OF ACCORDING

DEWATERING DETAIL

