BROWNING ROAD WATER TREATMENT PLANT IMPROVEMENTS

EME	LIST OF UTILITIES AND RGENCY CONTACT INFORMATION							
PUBLIC WORKS:	PENNSAUKEN TOWNSHIP PUBLIC WORKS 6725 WAYNE AVE.Z E PENNSAUKEN, N.J. 080110 TEL. (856) 663-0178							
SEWER:	PENNSAUKEN SEWERAGE AUTHORITY 1250 JOHN TIPTON BOULEVARD PENNSAUKEN, NJ 08110 TEL. (856) 663-5542							
WATER:	IERCHANTVILLE-PENNSAUKEN WATER COMMISSION 751 WESTFIELD AVENUE ENNSAUKEN, N.J. 08110 EL. (609) 663-0043							
ELECTRIC:	PSE&G MOORSTOWN SOUTHERN DIVISION 300 NEW ALBANY ROAD MOORESTOWN, N.J. 08057 TEL. (800) 436-7734							
GAS:	PSE&G 535 W. NICHOLSON ROAD AUDUBON, N.J. 08106 TEL. (800) 436-7734							
TELEPHONE:	VERIZON 2225 EVESHAM ROAD VOORHEES, N.J. 08043 TEL. (609) 772-9924							



PROJECT LOCATION MAP

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NO. REVISION DATE BY (

E SHEET

NSAUKEN WATER COMMISSION

MERCHANTVILLE PENNSAUKEN WATER COMMI
BROWNING ROAD
'ER TREATMENT PLANT IMPROV

MERCHANTVILLE-PENNSAUKEN WATER COMMISSION CAMDEN COUNTY, NEW JERSEY

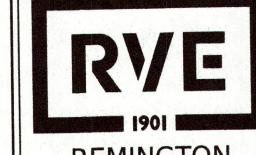
February, 2025

New Jersey One Call CALL BEFORE YOU DIG 811 or 1-800-272-1000 ITS THE LAW

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.

GENERAL NOTES: 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF THE CONSTRUCTION, ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. 2. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. UNLESS NOTED OTHERWISE, THE TOP OF THE PIPE DEPTH TO ALL EXISTING UTILITY SYSTEMS SHALL BE CONSIDERED AS SIX 3. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR EXCAVATED MATERIALS CANNOT MEET THE SPECIFIED Excellence • Innovation • Service COMPACTION REQUIREMENTS. 4. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED. 5. 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. 6. 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. 7. APPROXIMATE DEPTH OF ALL WATER MAIN IS \pm 4 FEET. 8. APPROXIMATE DEPTH OF ALL GAS MAIN IS \pm 3 FEET. 9. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EXISTING CONCRETE CURB NOT SHOWN TO BE REMOVED. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETE REMOVAL AND REPLACEMENT OF ANY DAMAGED CURB NOT DOCUMENTED PRIOR TO THE START OF CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. 10. 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. 11. CONTRACTOR IS RESPONSIBLE TO ENSURE POSITIVE DRAINAGE ALONG ALL ROADWAYS TO BE RESURFACED AS WELLAS THE PROPOSED DRIVEWAY EXTENSION, SIDEWALK, AND RAMP TO LOADING DOCK. THE CONTRACTOR SHALL PROVIDE ELEVATIONS AT ALL DEPRESSED CURB LOCATIONS ASSOCIATED WITH THE ADA RAMPS TO ENSURE POSITIVE DRAINAGE ADJACENT TO THE RAMP AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. SEPARATE PAYMENT WILL NOT BE MADE FOR PROVIDING PROPOSED ELEVATIONS BUT ALL COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL. 12. THE CONTRACTOR SHALL REMOVE, RESET OR REPLACE ALL ROOF DRAINS FROM THE CURB/GUTTER LINE TO THE RIGHT-OF-WAY LINE DISTURBED DURING CONSTRUCTION ANY INTERUPTED UTILITY (I.E. SANITARY LATERAL, WATER SERVICE, ETC.) SHALL BE RESTORED TO SERVICE AT THE END OF EACH DAY'S WORK. 13. CONTRACTOR SHALL RESTORE ALL EXISTING FEATURES DISTURBED DURING CONSTRUCTION (I.E. MAILBOXES, IRRIGATION SYSTEMS, LANDSCAPING, ETC.). 14. EXISTING WATER MAIN, SANITARY SEWER, GAS MAIN, STORM SEWER ALONG WITH ALL OTHER UTILITIES SHALL BE FULLY SUPPORTED AND MAINTAINED DURING INSTALLATION OF THE PROPOSED UTILITY WORK, SERVICES AND LATERALS. 15. 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 EACH FRIDAY FOR ALL WORK COMPLETED THAT WEEK. 16. THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING THE PAVED CARTWAY 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 BY THE 17. PROVIDE A SEPARATE TRAFFIC CONTROL/DETOUR PLAN FOR WORK IN EACH ROAD SEGMENT AND INTERSECTION. ALL PLANS SHALL BE APPROVED BY OWNER AND COUNTY (FOR ANY WORK IN COUNTY R.O.W.) PRIOR TO IMPLEMENTATION. 18. LIGHTING INFRASTRUCTURE (NOT SHOWN ON PLANS) CONSISTING OF CONDUIT, HANDHOLES, AND FOUNDATIONS TO BE INSTALLED BY CONTRACTOR IN COORDINATION WITH PSE&G REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION OF LIGHTING INFRASTRUCTURE DIRECTLY WITH PSE&G, AND SHALL BE PAID UNDER 2" RIGID NON-METALLIC CONDUIT (IF & WHERE DIRECTED); FOUNDATION, LIGHTING; AND HANDHOLES (IF & WHERE DIRECTED). CONTRACTOR SHALL FURNISH AS BUILT PLANS WHICH INCLUDE LIGHTING INFRASTRUCTURE LAYOUT. 19. 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.
- 20. WORK TO BE PERFORMED BY PSE&G TO BE PAID FOR UNDER SEPARATE CONTRACT AND IS NOT INCLUDED AS A PART OF THIS BID.
- 21. 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.
- 22. CONTRACTOR SHALL COORDINATE ALL WORK WITH SEPARATE CONTRACTORS FOR ONGOING WORK IN AREAS SURROUNDING THE SITE.
- 23. CONTRACTOR SHALL PROVIDE ENGINEER 48 HOURS ADVANCED NOTICE OF INITIATING WORK BOTH AT THE PROJECT COMMENCEMENT AND AFTER ALL WORK DISCONTINUATIONS.



REMINGTON & VERNICK **ENGINEERS**

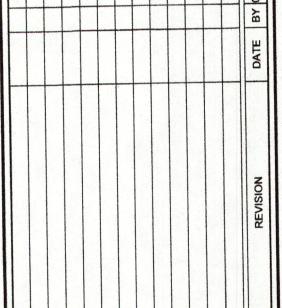
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DATE: 9-4-24 DENNIS K. YODER NJ PROFESSIONAL ENGINEER LIC. No. 318

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

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STANDARD LEGEND

M	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	DDADACED
	OVERHEAD WIRE	ону ———							DESCRIPTION	EXISTING	PROPOSED
	SANITARY FORCE MAIN PIPE	FW —	FM		BENCHMARK LOCATION	$\frac{BM}{X}$			EDGE OF PAVEMENT		
	STORM SEWER PIPE ≤12" STORM SEWER PIPE > 12"	(SIZE & TYPE)	(SIZE & TYPE)		CROWS FOOT	Y			CURB		
	GAS SERVICE	G	======================================		AERIAL TARGET				PAVEMENT / CONC. / SIDEWALK	BITUMINOUS/ASPHAL	CONCRETE SIDEWALK
	SANITARY SEWER PIPE ≤12"	5	s		CONCRETE MONUMENT		■ (SET)			CONCRETE	PAVEMENT, FULL DEPTH RESTORATION
	SANITARY SEWER PIPE > 12"	(SIZE & TYPE)	= _ <u>(SIZE & TYPE)</u> _ =		PK / MAG NAIL / DRILL HOLE / SPIKE	0	• (SET)			But the distinct and the second secon	PAVEMENT MILLING
	ELECTRIC SERVICE FIBER OPTIC SERVICE	FO	ΕΕ		DRILL HOLE W/ WINGS	-0-				STONE	'DRIVEWAY RESTORATION, ASPHALT
	TELEPHONE SERVICE	<u> </u>	F0		STAKE	Δ	▲ (SET)				DRIVEWAY RESTORATION, ASPHALT
	COMMUNICATIONS SERVICE		T		HUB	Δ	Δ (SET)				DRIVEWAY RESTORATION, CONCRETE
	IRRIGATION PIPE	C			PIN W/ CAP IRON PIPE	•	• (SET)				DRIVEWAY RESTORATION, STONE
		IRR —	IRR		IRON PIN		• (SET)	 			
	WATER SERVICE	w	w So		CROSS CUT	×	★ (SET)	S S	LIMIT OF EXCAVATION		
	WATER SHUT-OFF	w3	WM	K	DISK			9	GUIDE RAIL		<u> </u>
	WATER METER	NSW.		S	STONE	0		\\ \S	BOLLARD		
	WATER VALVE	₩V N	M NEW M RESET		REBAR	•		AD	MAILBOX		_
	WATER HYDRANT	770	TNEW TRESET		BASELINE	+	+ -	0	SIGNS	[M]	■
	WELL	@			CENTERLINE	8	8	~	FLAG POLE	• • +	
	YARD HYDRANT	σ	YH O		EASEMENT			જ		\sim	
	METER PIT	•			RIGHT-OF-WAY				BENCH		
	GAS SHUT-OFF	&	G S O		PROPERTY BOUNDARY				PILE		
	GAS METER	€ M	GM •					S	DETECTABLE WARNING SURFACE		
	GAS VALVE	Ø	M NEW M RESET		ADJACENT PROPERTY BOUNDARY				TYPICAL STRIPING		
	GAS LINE MARKER				RAILROAD TRACKS				ADA STRIPING	Ġ.	Ġ.
	CLEANOUT	8	co		STATE BOUNDARY				TRAFFIC CONTROL BOX	les de la companya del companya de la companya del companya de la	⊠
	SEWER VENT	₩			MUNICIPAL / COUNTY BOUNDARY				TRAFFIC LIGHT	•	(ARM TO SCALE)
	INLET TYPE A		RESET/ RECONSTRUC						DEPT. OF TRANSPORTATION MANHOLE	⊚	
	INLET TYPE B			A	BORING LOCATION	♦ 8-1	♦ B−#		STATE HIGHWAY DEPARTMENT	MANHOLE SHE BOX	
	INLET TYPE E		NEW RESET/ RECONSTRUC		MONITORING WELL LOCATION	⊕ м₩-#	● MW-#		RAILROAD CROSSING BEACON	⊠	
			NEW RESET/ RECONSTRUC		TEST PIT LOCATION	₽ P-#	■ TP-#		CALL BOX	@	
	AREA DRAIN			\\ \\ \\ \	FRESHWATER WETLAND FLAG	X FW-#			OIL FILL	•	
	MANHOLES	 SANITARY DRAINAGE TELEPHONE WATER CATV UNDERDRAIN 	NEW RESET RECONSTRUCT		FRESHWATER WETLAND LINE				UNDERGROUND STORAGE TANK LID	UST	
		© ELECTRIC © GAS W UNKNOWN		₹	FRESHWATER WETLAND BUFFER		<u> </u>		RISER PIPE	- B	
	HEADWALL				EDGE OF WATER				RAISED PAVEMENT MARKER	<u> </u>	마시아 아이트를 다시하는 모르겠다면서 보고 있다.
	HEADWALL W/ WINGS				STREAM CENTERLINE						
	IRRIGATION CONTROL VALVE	$\stackrel{\vee}{\bowtie}$	M NEW M RESET	<u> W </u>					TYPICAL NORTH ARROW	NAD-1983	
	IRRIGATION BOX	Å			CHECK VALVE	Ν	-N-			NORTH POINT TO BE WHERE BEARINGS REF	USED ON STANDARD CONSTRUCTION SHEETS FER TO STATE PLANE COORDINATE SYSTEM.
	IRRIGATION CONTROL BOX	<u>(6</u>	•		GATE VALVE		—₩—	ADA	AMERICANS WITH E.B., W.B., EASTBOUND, WESTBOUND DISABILITIES ACT N.B., S.B. NORTHBOUND, SOUTHBOU		TYP. TYPICAL
	SPRINKLER HEAD	•	90. HEAD 180. HEAD 360. HEAD		MOTOR OPERATED VALVE		—&—	AFF	ABOVE FINISHED FLOOR FFE FINISH FLOOR ELEVATION	PK PARKER KAYLON MASON	RY NAIL UD UNDERDRAIN
	UNKNOWN VALVE	×	TO HEAD JOU HEAD	R	CHEMICAL FEED PUMP	0 0		APR ASB	R. APRON FT FEET	PI POINT OF INFLECTION PROP. PROPOSED	UN UNITS UP UTILITY POLE
	COMMUNICATIONS PEDESTAL	©			FLOW METER	⊗	—•	BGS	BELOW GROUND SURFACE GL GUTTER LINE	PT POINT OF TANGENCY	V VOLTS
	COMMUNICATIONS LINE MARKER	<u>\$</u>		4	REDUCER	D	D	BIT.	BITUMINOUS GR GRATE BASELINE GAL. GALLON G. BUILDING	PVC POLYVINYL CHLORIDE PII PVI POINT OF VERTICAL INTE	RSECTION WM WATER METER
	TELEPHONE PEDESTAL				CUT AND CAP			BLD0 BM	G. BUILDING GALV. GALVANIZED BENCH MARK HDPE HIGH DENSITY POLYETHYLE BACKWASH HW HEADWALL	PVT POINT OF VERTICAL TANG ENE PIPE R RADIUS	GENCY
	TELEPHONE LINE MARKER	<u></u>			TEE	H	<u>m-</u> -	CIP	BACKWASH HW HEADWALL CAST IRON PIPE INV. INVERT CENTER LINE IP IRON PIN	RCP REINFORCED CONCRET RMC RIGID METALLIC CONDU	
	ELEC. BOX	©			PUMP	σ			IC. CONCRETE IN INCHES	R.O.W. RIGHT OF WAY R.R. RAILROAD	
	ELEC. METER	8			FLOW DIRECTIONAL ARROW			COLV	V. CULVERT LF LINEAR FEET	RTE. ROUTE SAN. SANITARY	
	ELEC. TRANSFORMER PAD	(ZT)							CARBON STEEL L.O.M. LIMIT OF MILLING CUBIC FEET L.O.P. LIMIT OF PAVING	SS STAINLESS STEEL SHD STATE HIGHWAY DEPAR	TMENT
	ELEC. VAULT	<u></u>			TOP OF BANK / DITCH	TB		M CF CY CMU	TOTAL TELEVISION OF THE PROPERTY OF THE PROPER	SHLD. SHOULDER STA. STATION	
		ί 2			BOTTOM OF BANK / DITCH	88		D.C.	DEPRESSED CURB MB MAILBOX DRILL HOLE MIN. MINIMUM	STY. STORY SWK. SIDEWALK	
	ELEC. LINE MARKER	- 4 α π		O	CONTOUR (MAJOR)	5 —	5	DIA.	DIAMETER MH MANHOLE DUCTILE IRON PIPE NO. NUMBER	TBA TO BE ABANDONED TBR TO BE REMOVED	
	UTILITY POLE	STANDARD WILIGHT WI SOLAR	نگه نگه نم	DING	CONTOUR (MINOR)	3	3	DWY EL.	DRIVEWAY N.T.S. NOT TO SCALE ELEVATION P PIPE	TC TOP OF CURB TEL TELEPHONE	
	GUY ANCHOR			9	FLOW LINE / SWALE			EX.	EXISTING PC POINT OF CURVATURE	TEMP. TEMPORARY	
	ELEC. OUTLET	•	6	A A	TIME OF CONCENTRATION	>			DRAWING		REPRESENTATION
	LIGHTS	♥ POLE ♥ AREA	* *	8	SPOT GRADE	_X 3.48	×3.48				1 UNIT (27) SAN. MH #1210 (27) STA.24+03 RIM=61.00 INV.=50.50(W) INV.=50.40(E)
	VENT	W.T			ROADWAY GRADE	TC5.45 GL4.95	TC5.45 GL4.95		SAN. MH. RIM=61.00 INV.=50.50(W)		INV.=50.50(W) INV.=50.40(E)
	VENT PIPE	P			NOADWAT GRADE	GL4.95	GL4.95		INV. = 50.50(W) INV. = 50.40(E)		100 LF ①

