#### LIST OF UTILITIES AND **EMERGENCY CONTACT INFORMATION** LAWRENCE TOWNSHIP PUBLIC WORKS P.O. BOX 6006 LAWRENCE TOWNSHIP, N.J. 08648 **WORKS:** TEL. (609) 587-1894 **EWING-LAWRENCE SEWERAGE AUTHORITY** 600 WHITEHEAD ROAD LAWRENCEVILLE, NJ 08648 TEL. (609) 587-4061 AQUA NJ - LAWRENCE SYSTEM 10 BLACK FOREST RD HAMILTON, N.J. 08691 TEL. (609) 587-4080 PSE&G 300 NEW ALBANY ROAD MOORESTOWN, NJ 08057 **ELECTRIC**: TEL. (800) 541-5900 **NEW JERSEY NATURAL GAS COMPANY** 525 MAIN STREET

ALLENHURST, N.J. 07109

TEL. (800) 272-1000

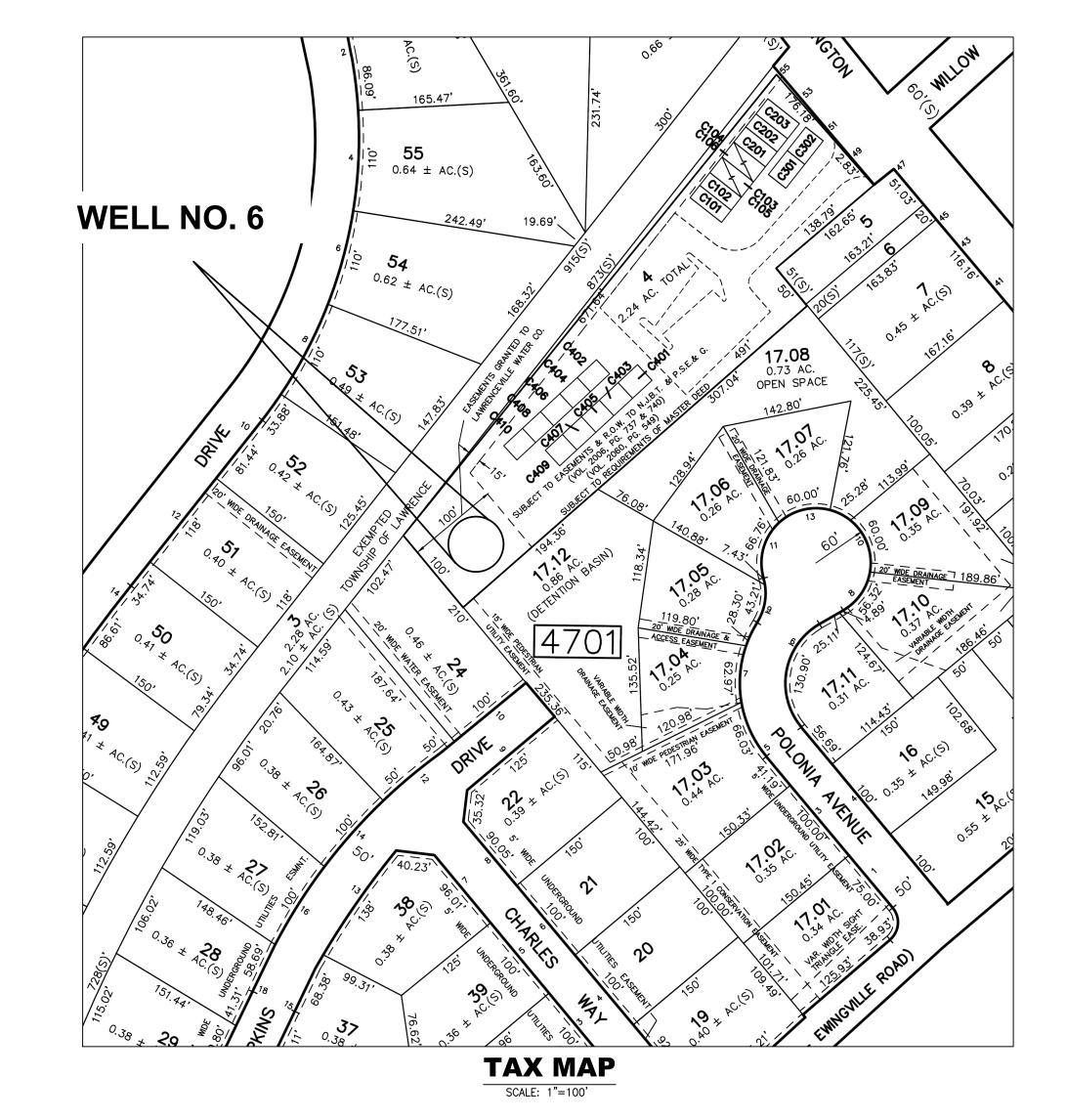
2225 EVESHAM ROAD VOORHEES, N.J. 08043 TEL. (609) 772-9924

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S-4.4 (W6)	WELL NO. 6 INTERIOR BUILDING SECTION				
S-5.1 (W6)	WELL NO. 6 SECTIONS AND DETAILS				

**EXCAVATION WITHIN 10 DAYS. ALL CONTRACTORS** 

# MAJOR SITE PLAN FOR WELL NO. 6 PFAS TREATMENT IMPROVEMENTS





**AERIAL MAP** 

SCALE: 1"=100'

LAND USE AND ZONING						
BLOCK 4701, LOT 24						
AT - A	PARTMENT & TOW	NHOMES				
PRESENT AND PROPOSE	ED LAND USE: PRODUCTION FACILITY	WELL AND TREATMENT				
ZONING REQUIREMENT	REQUIRED	PROPOSED				
MINIMUM OPEN SPACE	30%	>32%				
MINIMUM FRONT SET 50 52.49						
MINIMUM SIDE SET BACK 50 40.19						
MINIMUM REAR SETBACK 50 14.77						
MAX HEIGHT 38 18						
EASEMENT AREA (APPROXIMATELY 21,163 SF)						
EXISTING PROPOSED						
IMPERVIOUS SURFACE 211.8 SF 1382.6 SF						

TOWNSHIP BOARD APPROVAL					
BOARD CHAIRPERSON	DATE				
BOARD SECRETARY	DATE				
MUNICIPAL ENGINEER	DATE				
ADMINISTRATIVE OFFICER	DATE				

	2	63 LAWR-PENN RD	LAWRENCE TOWNSHIP, NJ	08648
	3	2207 LAWRENCEVILLE RD	LAWRENCE TOWNSHIP, NJ	08648
	5, 6	1 COUNTRY HOUSE WAY	COLUMBUS, NJ	08022
	7	43 LAWR-PENN RD	LAWRENCE TOWNSHIP, NJ	08648
	8	28 VACHE CLUB DR APT 204	NORTH PALM BEACH, FL	33408
	17.04	7 POLONIA AVENUE	LAWRENCE TOWNSHIP, NJ	08648
	17.05	9 POLONIA AVE	LAWRENCE TOWNSHIP, NJ	08648
	17.06	11 POLONIA AVE	LAWRENCE TOWNSHIP, NJ	08648
	17.07	15 POLONIA AVE	LAWRENCE TOWNSHIP, NJ	08648
	17.08, 17.12	C/O 8 POLONIA AVE	LAWRENCE TOWNSHIP, NJ	08648
	24	10 HOPKINS DRIVE	LAWRENCE TOWNSHIP, NJ	08648
	25	12 HOPKINS DR	LAWRENCE TOWNSHIP, NJ	08648
	50	14 MELVINA DRIVE	LAWRENCE TOWNSHIP, NJ	08648
	51	12 MELVINA DR	LAWRENCE TOWNSHIP, NJ	08648
	52	10 MELVINA DRIVE	LAWRENCE TOWNSHIP, NJ	08648
	53	8 MELVINA DRIVE	LAWRENCE TOWNSHIP, NJ	08648
	54	6 MELVINA DR	LAWRENCE TOWNSHIP, NJ	08648
	55	4 MELVINA DRIVE	LAWRENCE TOWNSHIP, NJ	08648
	56	2 MELVINA DRIVE	LAWRENCE TOWNSHIP, NJ	08648
	57	58 LAWRENCIA DRIVE	LAWRENCE TOWNSHIP, NJ	08648
5702	14	21 MONROE AVE	LAWRENCE TOWNSHIP, NJ	08648
	15	4 WILLOW RD	LAWRENCE TOWNSHIP, NJ	08648
5703	110	2207 LAWRENCEVILLE RD	LAWRENCE TOWNSHIP, NJ	08648
	146	7 WILLOW ROAD	LAWRENCE TOWNSHIP, NJ	08648
	147	5 WILLOW RD	LAWRENCE TOWNSHIP, NJ	08648
	148	3 WILLOW ROAD	LAWRENCE TOWNSHIP, NJ	08648
	149	5979 LOWER YORK ROAD	NEW HOPE, PA	18938
	150	68 LAWR-PENN RD	LAWRENCE TOWNSHIP, NJ	08648

200 FOOT PROPERTY OWNERS LIST

65 LAWR-PENN RD

## AQUA NJ - LAWRENCE SYSTEM MERCER COUNTY, NEW JERSEY

**JANUARY 2025** 



REMINGTON & VERNICK ENGINEERS

2059 SPRINGDALE ROAD
CHERRY HILL, NJ 08003
(856) 795-9595, FAX (856) 795-1882
WEB ADDRESS: RVE.COM
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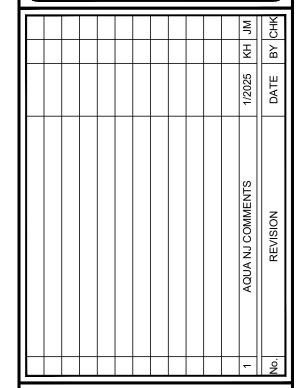
Stephane heit

STEPHANIE A. CUTHBE

NJ PROFESSIONAL ENGINEER LIC. No. 42136

PLANS WHICH DO NOT BEAF AN EMBOSSED SEAL ARE NOT VALID

ALL DOCUMENTS PREFARED BY REMIND TON & VERNING FOR A VERNI



NO. 6
IMPROVEMENTS

E DESIGN BY: CHECKED BY: SCALE:

K.H. D.F./S.C. AS NOTED

DATE: SHEET No.:

#### 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.
- 3. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 4. ALL PAVED AND CONCRETE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING
- CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.

  5. ALL GRASSED OR WOODED AREAS DISTURBED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED.
- 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 GAS MAIN IS  $\pm$  3 FEET.
- 12. 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.
- 13. PAYMENT FOR JOINT MATERIAL FOR ALL CONCRETE WORK WILL NOT BE MEASURED BUT SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 14. SEPARATE PAYMENT WILL NOT BE MADE FOR STEEL TREE ROOT PROTECTION PLATES.
- 15. ALL GRASS AND WOODED AREAS DISTURBED DURING CONSTRUCTION SHALL BE BACKFILLED AS DIRECTED.
- 16. 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.
- 17. ALL UNUSED MATERIAL EXCAVATED FROM THE PROJECT SITE ARE TO BE DISPOSED OF AT AN APPROVED FACILITY.
- 18. 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.
- 19. CONTRACTOR SHALL RESTORE ALL EXISTING FEATURES DISTURBED DURING CONSTRUCTION (I.E. MAILBOXES, IRRIGATION SYSTEMS, LANDSCAPING, ETC.). ALL COSTS SHALL BE INCLUDED IN THE PRICE BID FOR CLEARING SITE.
- 20. ALL UTILITY WORK SHALL BE CONSTRUCTED TO ALLOW UNINTERRUPTED SERVICE TO ADJACENT PROPERTIES. INCLUDING MAINTAINING UNINTERRUPTED SERVICE OF WELL NO. 9 DURING THE CONSTRUCTION OF WELL NO. 6 AND UNINTERRUPTED SERVICE OF WELL NO. 6 DURING THE CONSTRUCTION OF WELL NO. 9.
- 21. 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.
- 22. 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.
- 23. ALL CONNECTIONS TO THE EXISTING WATER MAIN SHALL BE REPLACED. THE INSTALLATION OF NEW SERVICE LATERALS SHALL INCLUDE ALL PIPING, CORPORATION STOP, CURB STOP, CURB BOX AND RECONNECTION OF EXISTING SERVICE.
- 24. ALL UTILITY CROSSINGS/OFFSETS SHALL INCLUDE COMPACTED STABILIZATION MATERIAL FOR FULL LENGTH OF CROSSING.
- 25. INSTALLATION OF ALL SANITARY SEWER AND MANHOLES SHALL INCLUDE TEMPORARY BY—PASS PUMPING. ALL COSTS ASSOCIATED WITH THE TEMPORARY PUMPING SHALL BE INCLUDED IN THE VARIOUS LINE ITEMS TO INSTALL SAID MATERIALS, COMPLETE.
- 26. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE FNGINFER IMMEDIATELY.
- 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.

27. SEPARATE PAYMENT WILL NOT BE MADE FOR EXCAVATION. DEWATERING. FITTINGS. PIPE BEDDING. SHEETING.

- 28. ALL WORK TO BE COORDINATED WITH SEPARATE CONTRACTORS FOR ONGOING WORK IN AREAS SURROUNDING THE SITES.
- 29. PAYMENT FOR OBSTRUCTION REMOVAL SUCH AS TREE ROOTS AND EXISTING INFRASTRUCTURE WHICH MAY INTERFERE WITH THE PROPOSED CONSTRUCTION, SHALL BE INCLUDED IN THE ITEM "CLEARING SITE".
- 30. EXISTING SANITARY SEWER MAINS & LATERALS SHOWN MAY NOT BE ACCURATE DUE TO INCOMPLETE UTILITY INFORMATION. CONTRACTOR IS RESPONSIBLE FOR LOCATING.
- 31. SEPARATE PAYMENT FOR THE RESETTING OR EXTENSION, AND REPLACEMENT OF EXISTING ROOF DRAINS OR SUMP PUMP DRAINS, AS REQUIRED, WILL NOT BE MADE BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.
- 32. ALL TREE REMOVALS ARE TO BE VERIFIED BY THE ENGINEER PRIOR TO REMOVAL. ALL TREE PLANTINGS ARE APPROXIMATE WITH FINAL LOCATIONS TO BE ESTABLISHED IN THE FIELD.
- 33. THE CONTRACTOR SHALL UTILIZE A QUALIFIED ARBORIST FOR ALL TREE TRIMMINGS.
- 34. INLET SEDIMENT PROTECTION SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED INLETS AND CATCH BASINS SHOWN ON THE PLANS. PAYMENT SHALL BE INCLUDED IN THE LUMP SUM COST FOR 'SOIL EROSION AND SEDIMENT CONTROL'.
- 35. ALL SANITARY & STORM SEWER CONSTRUCTION SHALL COMPLY WITH OWNER SEWER/WATER "DESIGN, CONSTRUCTION, INSPECTION AND TESTING MANUAL". COST ASSOCIATED WITH TESTING (INFILTRATION, EXFILTRATION, PIPE ALIGNMENT, TELEVISION) SHALL BE INCLUDED IN THE VARIOUS PIPE ITEMS OF THE PROPOSAL.
- 36. PRESSURE TESTING OF ALL SANITARY & STORM SEWER SEWERS (INCLUDING RCP) SHALL BE PERFORMED IN ACCORDANCE WITH UTILITY AUTHORITY MANUAL. RCP SEWERS ABOVE 24 INCHES IN DIAMETER SHALL BE JOINT TESTED IN ACCORDANCE WITH ASTM.
- 37. ALL RCP SHALL BE LINED ON THE INTERIOR WITH A COAT OF TAR EPOXY SEAL COAT WITH A MINIMUM OF 4 MILS IN THICKNESS (DRY FILM THICKNESS)
- 38. THE ENGINEER AND UTILITY MUST BE GIVEN 48 HOURS ADVANCE NOTICE OF STORM/SANITARY SEWER/WATERMAIN WORK AND THE REPRESENTATIVES MUST WITNESS THE WORK AND CONNECTION.
- 39. 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.

#### **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.
- 6. CONTRACTOR RESPONSIBLE FOR ADHERING TO ALL LAWERENCE TOWNSHIP AND MERCER COUNTY REQUIREMENTS ASSOCIATED WITH ANY PERMITS, LAND USE BOARD APPROVALS, ETC.



REMINGTON & VERNICK ENGINEERS

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Certification of Authorization: 24 GA 28003300

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2059 SPRINGDALE ROAD

DATE: 1-31-2025

STEPHANIE A. CUTHBERT

NJ PROFESSIONAL ENGINEER LIC. No. 42136

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

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICH

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 8 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 8 VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR

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	~	AQUA NJ COMMENTS	1/2025	Ā
	Š.	REVISION	DATE	ВУ

AL NOTES

AQUA NEW JERSEY
WELL NO. 6
-AS TREATMENT IMPROY

DRAWN BY: DESIGN BY: CHECKED BY: SCALE:

K.H. K.H. D.F./S.C. AS NOTED

DATE: SHEET No.:

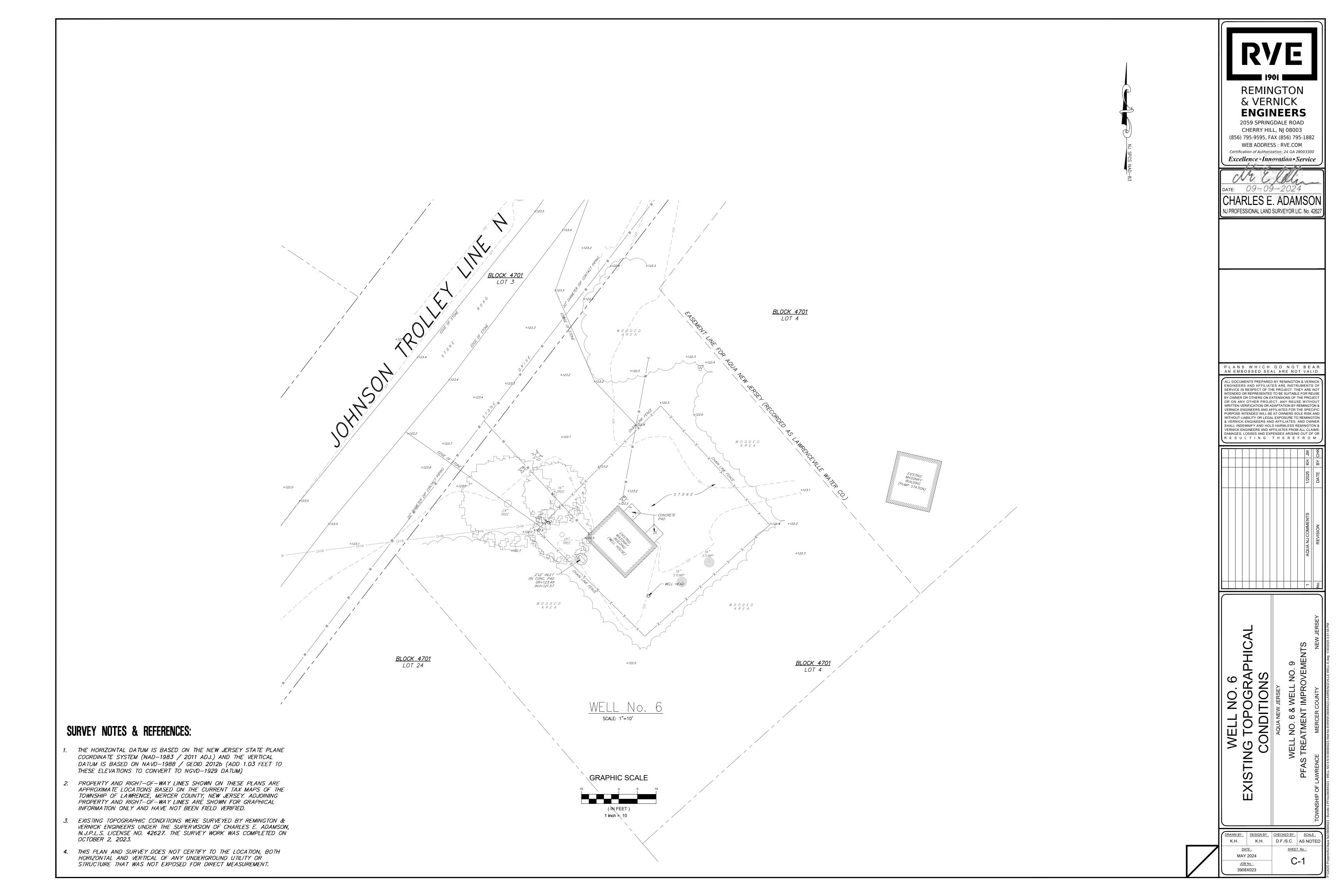
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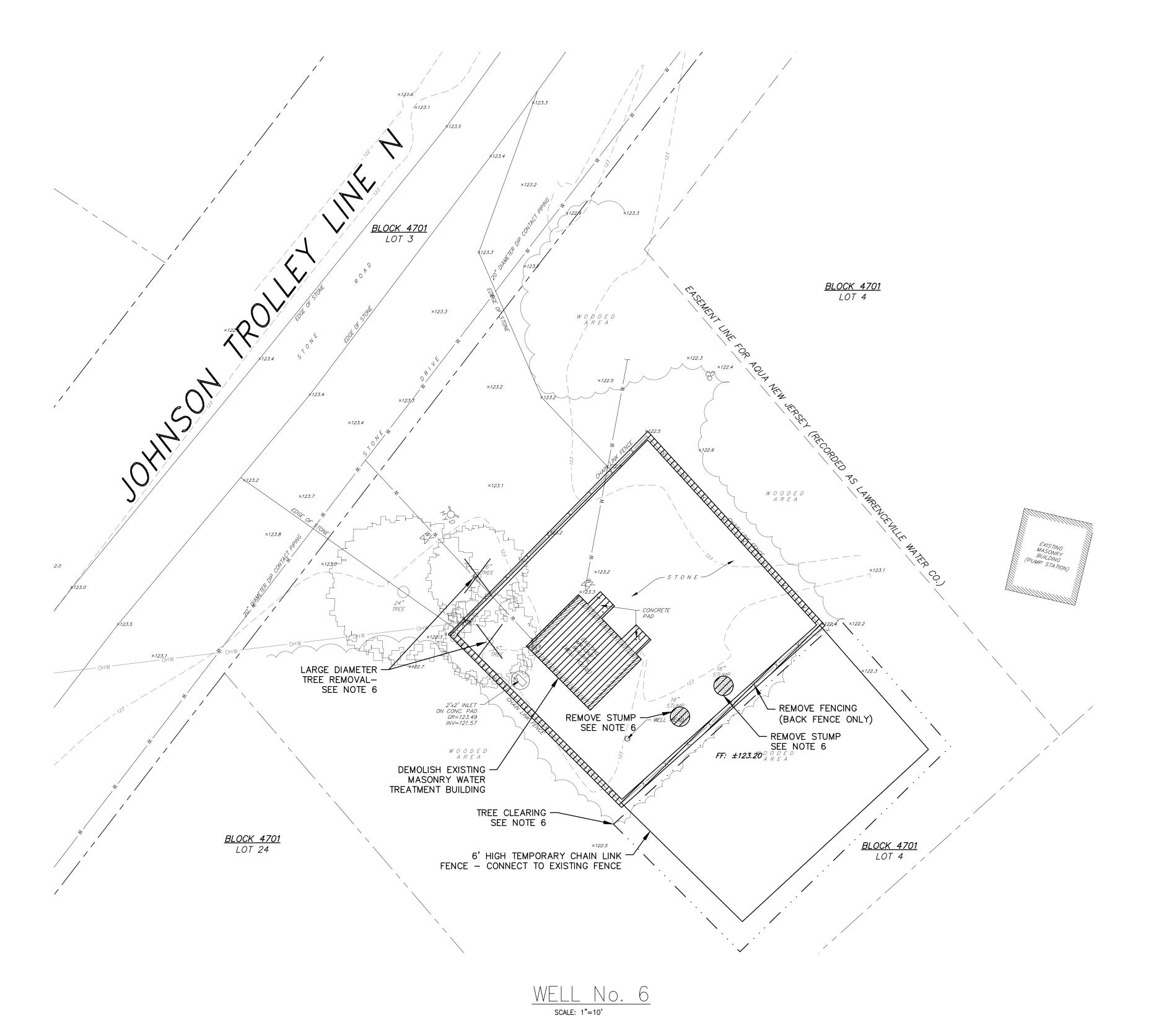
DATE: MAY 2024

JOB No.: 3908X023

					L SYMBOLS MAY NOT BE						RY
DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	ITEM	DESCRIPTION	EXISTING	PROPOSED	REMING
OVERHEAD WIRE	——————————————————————————————————————			BENCHMARK LOCATION	(BM) X			EDGE OF PAVEMENT			& VERNI ENGINE
SANITARY FORCE MAIN PIPE STORM SEWER PIPE ≤12"	——————————————————————————————————————	——————————————————————————————————————		CROWS FOOT	Ý			CURB			2059 SPRINGDAL CHERRY HILL, N
STORM SEWER PIPE > 12"		======================================		AERIAL TARGET	+			PAVEMENT / CONC. / SIDEWALK		CONCRETE SIDEWALK	(856) 795-9595, FAX (8
GAS SERVICE SANITARY SEWER PIPE ≤12"		s		CONCRETE MONUMENT		■ (SET)			CONCRETE	PAVEMENT, FULL DEPTH RESTORATIO  PAVEMENT MILLING	Certification of Authorization:  Excellence • Innovat
SANITARY SEWER PIPE > 12"	(SIZE & TYPE) 	_ <u>(SIZE &amp; TYPE)</u>		PK / MAG NAIL / DRILL HOLE / SPIKE  DRILL HOLE W/ WINGS	0	• (SET)			BRICK/PAVERS	DRIVEWAY RESTORATION, ASPHALT	Stephane (
ELECTRIC SERVICE FIBER OPTIC SERVICE	——————————————————————————————————————	——————————————————————————————————————		STAKE		▲ (SET)			STONE ///	DRIVEWAY RESTORATION, BRICK	DATE: $1 - 31 - 2$
TELEPHONE SERVICE	т ———	т		HUB	Δ	△ (SET)				DRIVEWAY RESTORATION, CONCRETE	STEPHANIE A. C NJ PROFESSIONAL ENGINEE
COMMUNICATIONS SERVICE	c	c		PIN W/ CAP	<b>⊚</b>	• (SET)				DRIVEWAY RESTORATION, STONE	NS FILOI ESSIONAL ENGINEE
IRRIGATION PIPE		IRR		IRON PIPE IRON PIN		• (SET)					
WATER SERVICE	——————————————————————————————————————			CROSS CUT	×	₩ (SET)		LIMIT OF EXCAVATION			
WATER SHUT-OFF	w.So	WW		DISK	Ø			GUIDE RAIL			
WATER METER	w <sub>m</sub>	A A I A I		STONE	Ο			BOLLARD	0	<b>Ø</b>	
WATER VALVE	wv ⊠	M NEW M RESET		REBAR	⊗			MAILBOX	M	M	
WATER HYDRANT	нуо	▼ NEW ▼ RESET		BASELINE	<del>-</del>	+		SIGNS	<del>□</del> <del>□</del> <del> </del>	<del> +</del>	
WELL	<b>@</b>	<b>®</b> YH		CENTERLINE			$\sim$	FLAG POLE	$\sim$	<b>~</b>	
YARD HYDRANT	°	ď		EASEMENT				BENCH			
METER PIT  GAS SHUT-OFF	<b>⊙</b> G <sup>∑</sup> O	G <b>S</b> O		RIGHT-OF-WAY				PILE	<b>⊚</b>	<b>⊚</b> 	PLANS WHICH DO
GAS METER	EM.	GM		PROPERTY BOUNDARY				DETECTABLE WARNING SURFACE			AN EMBOSSED SEAL AI
GAS VALVE	Ŭ 8¥	M NEW M RESET		ADJACENT PROPERTY BOUNDARY				TYPICAL STRIPING	<u></u>	<u> </u>	ENGINEERS AND AFFILIATES AR SERVICE IN RESPECT OF THE PRO INTENDED OR REPRESENTED TO BE BY OWNER OR OTHERS ON EXTENSI
GAS LINE MARKER	<del>-</del>	THEW PAINESET		RAILROAD TRACKS				ADA STRIPING  TRAFFIC CONTROL BOX	<b>T</b> CB	©. ⊠	OR ON ANY OTHER PROJECT. AI WRITTEN VERIFICATION OR ADAPTA VERNICK ENGINEERS AND AFFILIAT PURPOSE INTENDED WILL BE AT OV
CLEANOUT	8	co		STATE BOUNDARY				TRAFFIC CONTROL BOX		(ARM TO SCALE)	WITHOUT LIABILITY OR LEGAL EXPE & VERNICK ENGINEERS AND AFFI SHALL INDEMNIFY AND HOLD HAR VERNICK ENGINEERS AND AFFILIAT
SEWER VENT	₩			MUNICIPAL / COUNTY BOUNDARY				DEPT. OF TRANSPORTATION MANHOLE	<u></u>	The same of the sa	R E S U L T I N G T H
INLET TYPE A		RESET RECONSTRUCT		BORING LOCATION	- <b>(</b> → <i>B</i> -#	<b>⊕</b> B−#		STATE HIGHWAY DEPARTMENT	MANHOLE SH□ BOX		
INLET TYPE B		RESET/ RECONSTRUCT		MONITORING WELL LOCATION	<b>⊕</b> MW-#	₩-#		RAILROAD CROSSING BEACON	⊠		
INLET TYPE E		NEW RESET RECONSTRUCT		TEST PIT LOCATION	<b>₽</b> 1₽−#	₽ TP-#		CALL BOX	<b>©</b>		
AREA DRAIN		•		FRESHWATER WETLAND FLAG	 	_		OIL FILL	€		
MANHOLES	S SANITARY D DRAINAGE T TELEPHONE	A NEW A DECET A DECONCEDUAL		FRESHWATER WETLAND LINE				UNDERGROUND STORAGE TANK LID	UST		
	<ul><li>W WATER</li></ul>	NEW RESET RECONSTRUCT		FRESHWATER WETLAND BUFFER		. — — — — — —		RISER PIPE	<i>86</i>		
HEADWALL				EDGE OF WATER		· · — · · · — · · — · · —		RAISED PAVEMENT MARKER	2	<b>S</b>	
HEADWALL W/ WINGS				STREAM CENTERLINE				TYPICAL NORTH ARROW	NAD-1983		
IRRIGATION CONTROL VALVE	×	M NEW M RESET		OHEOK MALVE	N. I.					ON STANDARD CONSTRUCTION SHEETS STATE PLANE COORDINATE SYSTEM.	
IRRIGATION BOX	<u>R</u>			CHECK VALVE  GATE VALVE	N M	—N— —M—		ADA AMERICANS WITH E.B., W.B., EASTBOUND, WESTBO	DUND.	TYP. TYPICAL	
IRRIGATION CONTROL BOX	(K C			MOTOR OPERATED VALVE	Z Z	—⋈—		ADA DISABILITIES ACT N.B., S.B. NORTHBOUND, SOUTH AFF ABOVE FINISHED FLOOR FFE FINISH FLOOR ELEVAT	TION PK PARKER KAYLON MASONRY NAIL	UD UNDERDRAIN	
SPRINKLER HEAD	<b>©</b>	<b>90° HEAD</b> 180° HEAD 360° HEAD		CHEMICAL FEED PUMP	00	——————————————————————————————————————		ANCH. ANCHOR FH FIRE HYDRANT  APR. APPRON FT FEET  ASP. ASPESTOS CEMENT RIPE CAC CRANIII AR ACTIVATE	PI POINT OF INFLECTION PROP. PROPOSED	UN UNITS UP UTILITY POLE	
UNKNOWN VALVE	⋈			FLOW METER	<u> </u>	<u> </u>		ASB ASBESTOS CEMENT PIPE GAC GRANULAR ACTIVATED  BGS BELOW GROUND SURFACE GL GUTTER LINE  BIT. BITUMINOUS GR GRATE	D CARBON PSI POUNDS PER SQUARE INCH PT POINT OF TANGENCY PVC POLYVINYL CHLORIDE PIPE	UV ULTRA VIOLET V VOLTS VAR VARIES	
COMMUNICATIONS PEDESTAL  COMMUNICATIONS LINE MARKER	© _ <u>C</u>			REDUCER	D	b		BL BASELINE GAL. GALLON BLDG. BUILDING GALV. GALVANIZED	PVI POINT OF VERTICAL INTERSECTION PVT POINT OF VERTICAL TANGENCY	VAR. VARIES WM WATER METER	
TELEPHONE PEDESTAL	<b>T</b>			CUT AND CAP		<del></del> _		BM BENCH MARK HDPE HIGH DENSITY POLYET BW BACKWASH HW HEADWALL			
TELEPHONE LINE MARKER	_ <del></del>			TEE	д	<del> T </del>		CIP CAST IRON PIPE INV. INVERT  CL CENTER LINE IP IRON PIN  CONC. CONCRETE IN INCHES	RMC RIGID METALLIC CONDUIT  R.O.W. RIGHT OF WAY		SRSEY
ELEC. BOX	Œ			PUMP	$\mathcal{Q}$	<u></u> -σ—		CMP CORRUGATED METAL PIPE JB JUNCTION BOX	R.R. RAILROAD  RTE. ROUTE		HEW JE
ELEC. METER	EM.			FLOW DIRECTIONAL ARROW	<b>→</b>	<del></del>		CULV. CULVERT LF LINEAR FEET  CS CARBON STEEL L.O.M. LIMIT OF MILLING  CF CUBIC FEET L.O.P. LIMIT OF PAVING	SAN. SANITARY  SS STAINLESS STEEL  SHD STATE HIGHWAY DEPARTMENT		EGE
ELEC. TRANSFORMER PAD	ET)			TOP OF BANK / DITCH				CY CUBIC YARDS L.S.T. LANDSCAPE TIE CMU CONCRETE MASONRY UNIT MAX. MAXIMUM	SHLD. SHOULDER STA. STATION		
ELEC. VAULT	EN			BOTTOM OF BANK / DITCH				D.C. DEPRESSED CURB MB MAILBOX DH DRILL HOLE MIN. MINIMUM	STY. STORY SWK. SIDEWALK		
ELEC. LINE MARKER	<del>- [-</del>			CONTOUR (MAJOR)	BB	5		DIA. DIAMETER MH MANHOLE  DIP DUCTILE IRON PIPE NO. NUMBER	TBA TO BE ABANDONED  TBR TO BE REMOVED		
UTILITY POLE	STANDARD W/ LIGHT W/ SOLAR			CONTOUR (MINOR)				DWY DRIVEWAY N.T.S. NOT TO SCALE  EL. ELEVATION P PIPE  EXAMPLE OF CURRENT PROPERTY PROPE	TC TOP OF CURB  TEL TELEPHONE		
GUY ANCHOR	→			FLOW LINE / SWALE				EX. EXISTING PC POINT OF CURVATURE	TEMP. TEMPORARY	URF	
ELEC. OUTLET	<b>(</b>	<b>G</b> =		TIME OF CONCENTRATION							
LIGHTS	<sup>⇔</sup> POLE <sup>♥</sup> AREA	<b>* *</b>		SPOT GRADE	χ3.48	× 3.48			l l RII	1 UNIT 27 1 \$1210 27 0.24+03 4=61.00 0.50(W) 50.40(E)	DRAWN BY: DESIGN BY: CHECK
VENT	W7 O			ROADWAY GRADE	TC5.45 GL4.95	TC5.45 GL4.95		SAN. MH. RIM=61.00 INV.=50.50(W) INV.=50.40(E)	100 LF <sub>-</sub>	② 100 LF ①	K.H. K.H. D.F
VENT PIPE	VP.			DRAINAGE FLOW	$\stackrel{\longrightarrow}{\Longrightarrow}$	$\xrightarrow{\longrightarrow}$		$===\frac{24"}{\text{PVC}}=\frac{\text{(W)}}{\text{(S)}}\text{(E)}\qquad\text{S}\frac{12"}{\text{PVC}}$	<u> </u>	= $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$	MAY 2024 <u>JOB No. :</u>

PROPOSED CONDITIONS





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Ö	ВУС	DATE	REVISION	No.
٦	Ŧ	1/2025	AQUA NJ COMMENTS	1

6 PL

WELL NO. 6 EATMENT IMPRO

**GRAPHIC SCALE** 

1. CONTRACTORS SHALL PROVIDE, INSTALL, AND MAINTAIN AN 6'

2. UPON COMPLETION OF CONSTRUCTION, NEW 6' HIGH CHAIN LINK FENCE SHALL BE INSTALLED AROUND THE ENTIRE

3. CONTRACTOR SHALL STAGE EQUIPMENT AND SEQUENCE WORK TO ALLOW UNINTERRUPTED OPERATION OF WELL NO. 9

4. ALL SE/SC FEATURES SHALL BE INSTALLED AND APPROVED

RESPONSIBLE FOR MAINTAINING ALL SE/SC FEATURES FOR DURATION OF PROJECT UNTIL FINAL INSPECTION/APPROVAL BY LAWRENCE TOWNSHIP AND MERCER COUNTY SCD.

TROLLEY LINE N. DUE TO CHLORINE CONTACT REQUIREMENTS. CHLORINE CONTACT TIME IS ACHIEVED FROM WATER MAIN

BEFORE BEGINNING CONSTRUCTION. CONTRACTOR IS

5. EXISTING WATER SERVICE IS LOCATED OFF OF JOHNSON

6. ALL TREE REMOVALS SHALL INCLUDE GRINDING OF STUMPS

ALONG JOHNSON TROLLEY LINE N.

AND ROOTS.

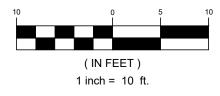
PERIMETER INCLUDING 2-12' WIDE SWING GATE.

DURING THE CONSTRUCTION OF WELL NO. 6.

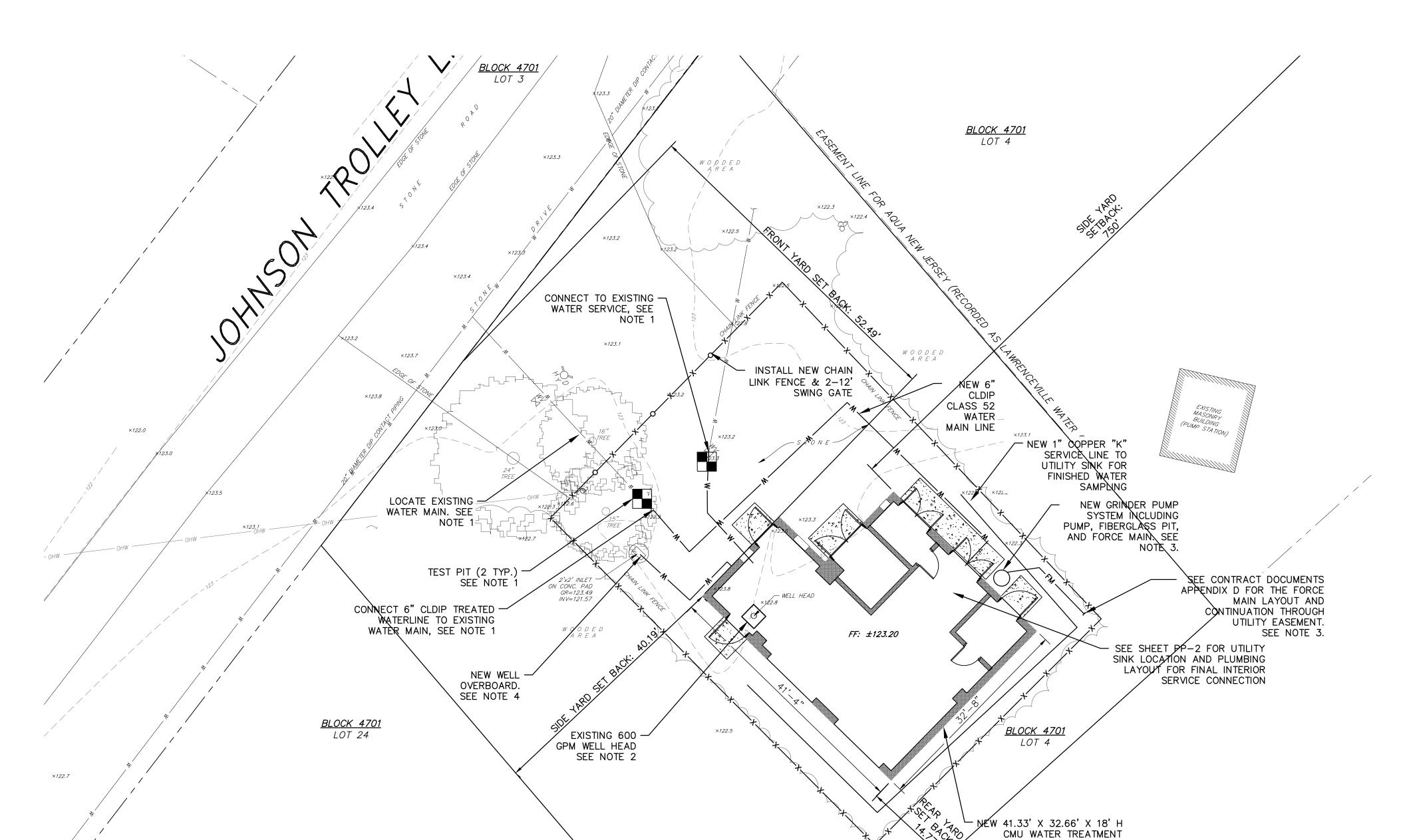
TO BE CONNECTED TO EXISTING FENCE.

HIGH TEMPORARY CHAIN LINK FENCE DURING CONSTRUCTION

NOTES:



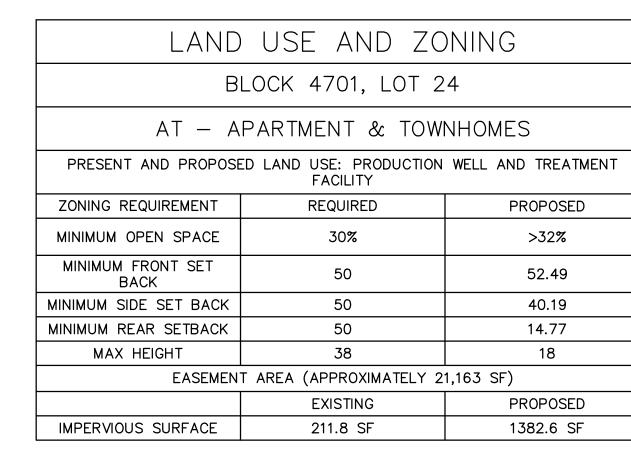
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WELL No. 6

SCALE: 1"=10'

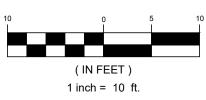
BUILDING. SEE NOTE 2.



#### NOTES:

- CONTRACTORS SHALL CONFIRM SIZE AND MATERIAL OF EXISTING WATER MAIN PRIOR TO THE ORDERING OF MATERIALS.
- 2. THE PROPOSED CMU BLOCK BUILDING SHALL BE CONSTRUCTED AROUND THE EXISTING 600 GPM WELL. THE EXISTING WELL HEAD SHALL BE MODIFIED BY REMOVAL OF THE PITLESS ADAPTOR AND EXTENSION OF CASING ABOVE FINISHED FLOOR ELEVATION. SEE DETAIL SHEET D-1. AN ALLOWANCE ITEM HAS BEEN PROVIDED IN THE BIDFORM FOR WORK TO BE COMPLETED BY SUBSURFACE TECHNOLOGIES
- 3. A 25 GPM SELF CONTAINED GRINDER UNIT SHALL BE INSTALLED FOR THE FLOOR DRAINS AND SAMPLING DISCHARGE ONLY. THE COST OF THE NEW FORCE MAIN SHALL BE INCLUDED IN THE LINE ITEM COST FOR THE GRINDER PUMP STATION, COMPLETE.
- 4. A NEW WELL OVERBOARD SHALL TERMINATE IN THE 2'X2' INLET BELOW GRADE WITH AN AIR GAP EQUIPPED WITH QUICK CONNECTION.

GRAPHIC SCALE



## RYE

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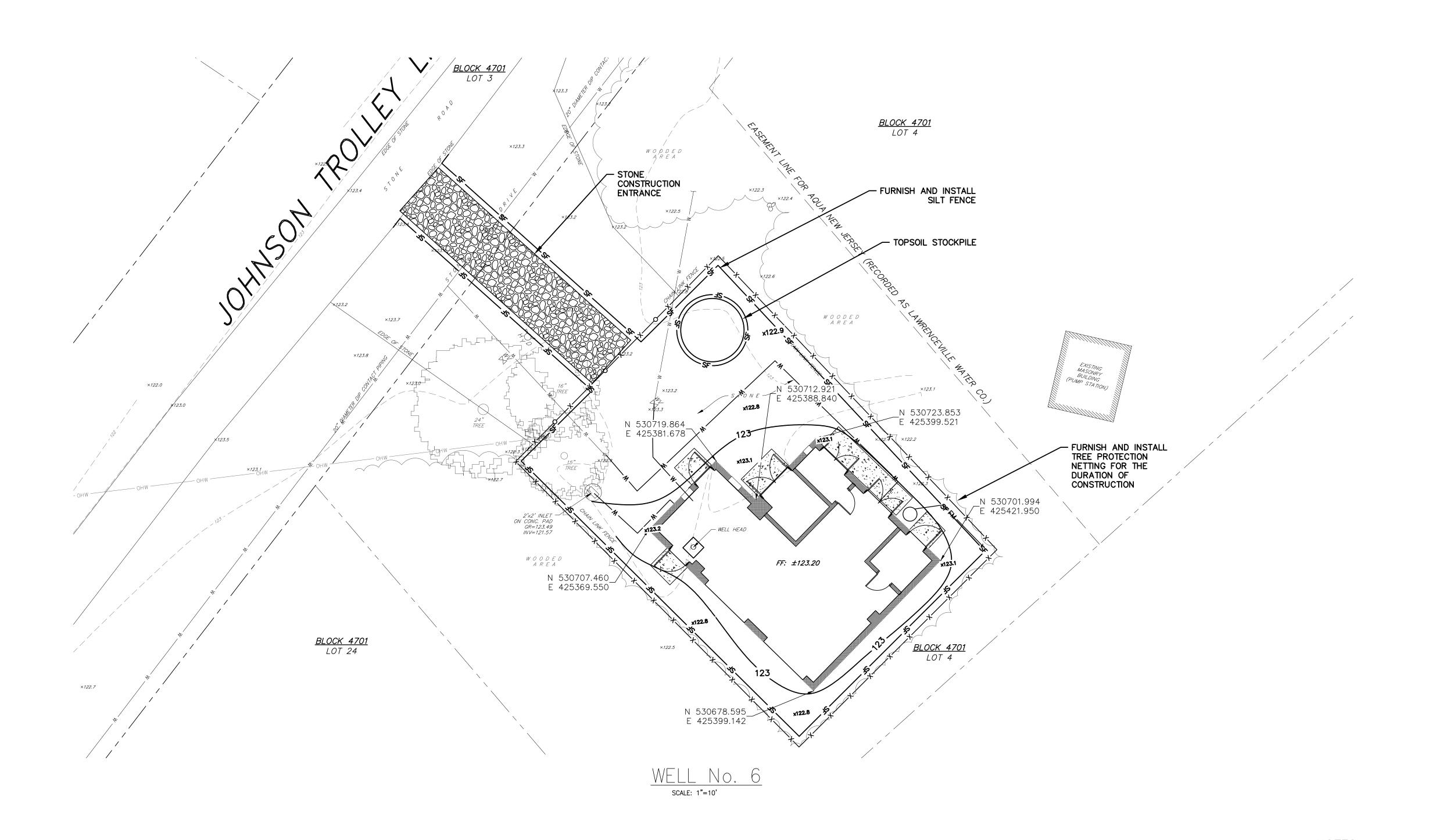
1 AQUA NJ COMMENTS 1/2025 KH V

PROPOSED PLAN

AQUA NEW JERSEY
WELL NO. 6
TREATMENT IMPROVEMENTS

AQU W PFAS TREATIV





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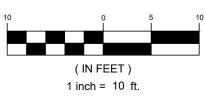
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WELLNO. GRADING,

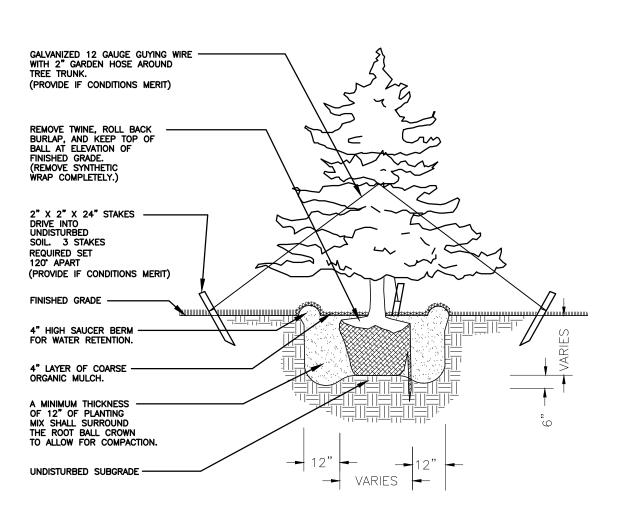
**GRAPHIC SCALE** 



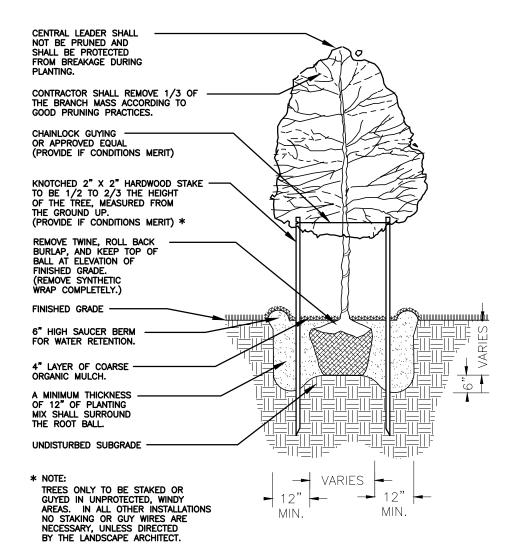
CONTRACTOR SHALL INSTALL ALL SESC FEATURES PRIOR TO BEGINNING WORK.

PROPOSED GRADING SHALL MATCH EXISTING CONTOURS AT THE LIMITS OF DISTURBANCE. THE DRAINAGE OF THE SITE TO ADJACENT PROPERTIES SHALL NOT BE MODIFIED AS PART OF ANY GRADING.

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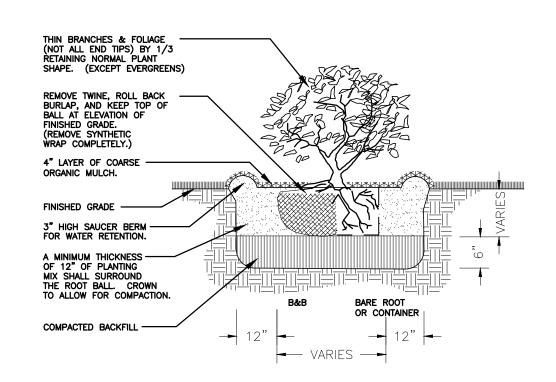


#### EVERGREEN TREE PLANTING DETAIL NOT TO SCALE



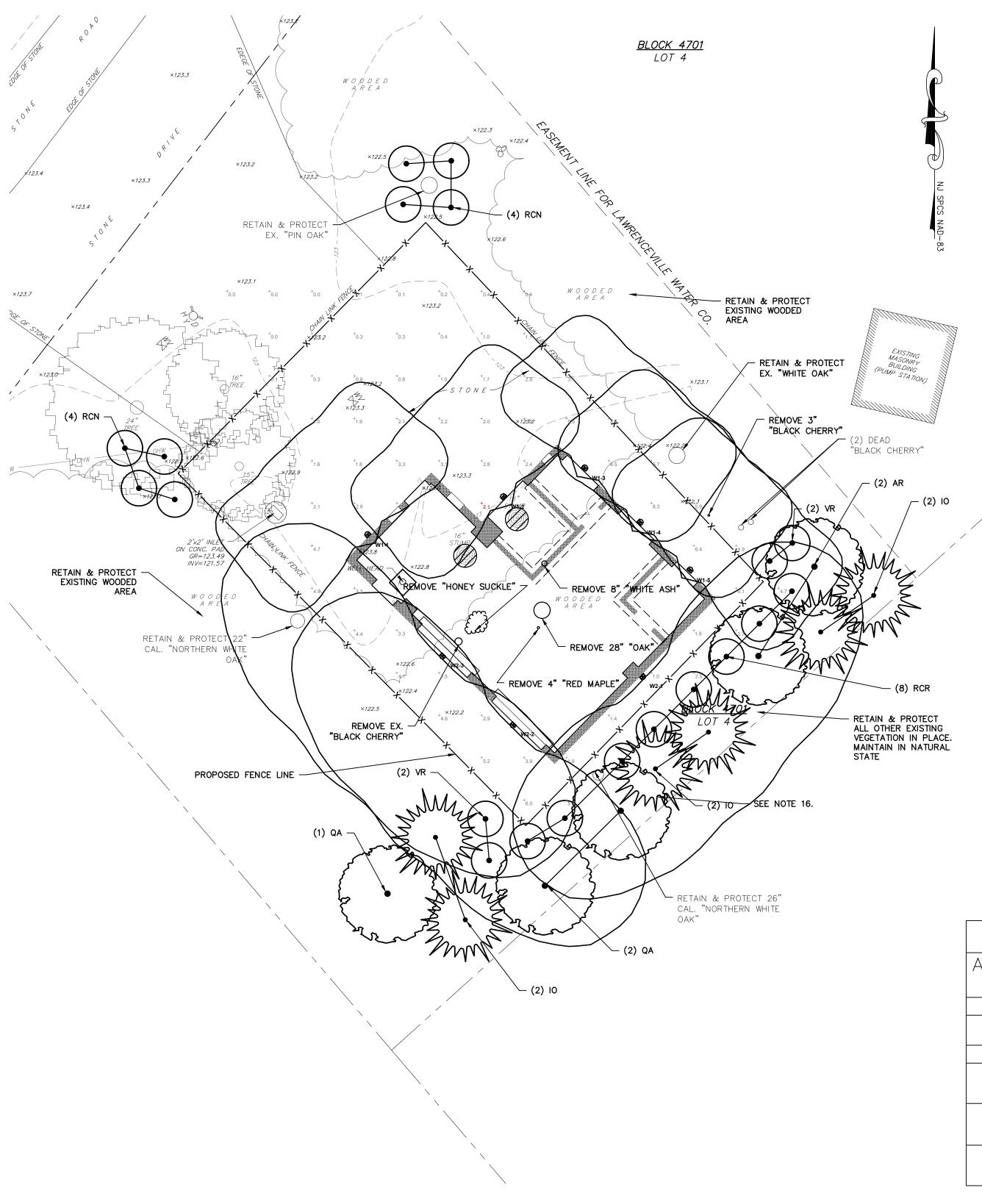
SHADE TREE PLANTING DETAIL

NOT TO SCALE



SHRUB PLANTING DETAIL

NOT TO SCALE



#### WELL No. 6 LANDSCAPE PLAN SCALE: 1"=10'

GRAPHIC SCALE

(IN FEET)

1 inch = 10 ft.

#### PLANTING NOTES:

COMPLETELY BEFORE PLANTING.

- 1. A COMPLETE LIST OF PLANTS, INCLUDING A SCHEDULE OF QUANTITIES, SIZES, AND OTHER REQUIREMENTS IS SHOWN ON THE PLANT LIST. IN THE EVENT THAT DISCREPANCIES OCCUR BETWEEN THE QUANTITIES OF PLANTS INDICATED IN THE PLANT LIST AND THOSE INDICATED ON THE PLAN, THE PLANT QUANTITIES INDICATED ON THE PLAN SHALL GOVERN.
- 2. NO SUBSTITUTIONS SHALL BE ACCEPTED, EXCEPT WITH WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT OR OWNER'S AGENT.
- 3. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUNSCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORERS, AND ALL OTHER FORMS OF INFECTIONS. ALL PLANT MATERIAL INSTALLED BETWEEN OCTOBER 15 AND MARCH 15 SHALL BE THOROUGHLY WETTED WITH AN ANTI-TRANSPIRANT UPON DELIVERY OF THE MATERIAL TO THE SITE.
- 4. QUALITY AND SIZE OF PLANT, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1) AS PUBLISHED BY AMERICANHORT. THE TRANSPLANTING AND PLANTING OF TREES AND SHRUBS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "ANSI A300 PART 6: TREE, SHRUB, AND OTHER WOODY PLANT MAINTENANCE—STANDARD PRACTICES (TRANSPLANTING)."
- 5. PLANTING MIXTURE SHALL CONSIST OF 70%% EXISTING SOIL FROM THE PLANTING SITE AND 30% HUMUS OR MUSHROOM SOIL. PRIOR TO USING EXISTING TOPSOIL, REMOVE ALL FOREIGN DEBRIS AND ALL ROCKS OR STONES LARGER THAN 2 INCHES. EACH CUBIC YARD SHALL BE ADDED AND INCORPORATED BY THOROUGHLY MIXING, FOUR POUNDS OF COMMERCIAL FERTILIZER HAVING AN ANALYSIS OF 6-6-6.
- 6. ALL PLANTS (B&B OR CONTAINER) SHALL BE PROPERLY IDENTIFIED BY WEATHERPROOF LABELS AND SECURELY ATTACHED THERETO BEFORE DELIVERY TO THE PROJECT SITE. LABELS SHALL IDENTIFY THE PLANTS BY COMMON NAME, BOTANICAL NAME AND SIZE. LABELS SHALL NOT BE REMOVED UNTIL FINAL INSPECTION BY THE LANDSCAPE ARCHITECT.
- 7. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. ALL PLANTS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF TWO (2) YEARS FROM THE COMPLETION DATE OF INSTALLATION. ANY PLANT MATERIAL THAT IS 25% DEAD OR MORE SHOULD BE CONSIDERED DEAD AND MUST BE REPLACED. A TREE SHOULD BE CONSIDERED DEAD WHEN THE MAIN LEADER HAS DIED BACK OR WHEN 25% OF THE CROWN IS DEAD. REPLACEMENT SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- 8. THE LANDSCAPE ARCHITECT OR OWNER'S AGENT SHALL BE NOTIFIED OF ANY RELOCATION OF PLANTS MADE NECESSARY BY UTILITIES OR OTHER EXISTING FEATURES PREVENTING THE CONTRACTOR FROM IMPLEMENTATION OF THE PLANTING PLAN AS DRAWN. SUCH NOTIFICATION SHALL BE MADE BEFORE THE FIELD CHANGE IS CARRIED OUT.
- 9. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED INCLUDING ALL LABOR, MATERIALS, PLANTS, AND EQUIPMENT, INCIDENTALS AND CLEAN UP.
- 10. INSOFAR AS PRACTICABLE, PLANT MATERIALS SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED LONGER THAN A TWO (2) DAY PERIOD AFTER DELIVERY.
- 11. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTABLE LOCAL PRACTICE.
- 12. ALL NON-BIODEGRADABLE ROOT WRAPPINGS (INCLUDING WIRE BASKETS) ARE TO BE REMOVED
- 13. TREES ARE TO BE SUPPORTED IMMEDIATELY AFTER PLANTING IF CONDITIONS MERIT. TREES SIX (6) INCHES AND OVER IN CALIPER SHALL BE GUYED. SMALLER TREES SHALL BE STAKED. GUYING WIRES AND STAKES SHALL BE AS INDICATED.
- 14. UNLESS OTHERWISE NOTED, ALL DECIDUOUS AND EVERGREEN TREES SHALL HAVE A SINGLE TRUNK.
- 15. DECIDUOUS AND EVERGREEN TREES WHICH ARE B&B SHALL BE DRUM LACED IN LIEU OF WIRE
- 16. PROVIDE TREE PROTECTION FENCING FOR EXISTING TREES AND WOODED AREA INCLUDING ALL NECESSARY SIGNAGE.

PLANT SCHEDULE						
ABBREVIA TION	BOTANICAL / COMMON NAME	SIZE	CONT.	HEIGHT	QTY.	
AR	ACER RUBRUM "RED MAPLE"	_	B&B	8'-10'	2	
10	ILEX OPACA "AMERICAN HOLLY"	-	B&B	8'-10'	6	
QA	QUERCUS ALBA "WHITE OAK"	-	B&B	8'-10'	3	
RCN	RHODODENDRON CATAWBIENSE 'NOVA ZEMBLA' / NOVA ZEMBLA RHODODENDRON	_	B&B	2'-3'	8	
RCR	RHODODENDRON 'ROSEUM ELEGANS' / ROSEUM ELEGANS RHODODENDRON	_	B&B	2'-3'	8	
VR	VIBURNUM RHYTIDOPHYLLOIDES 'ALLEGHENY' / ALLEGHENY VIBURNUM	-	B&B	2'-3'	4	

TREE REMO	VAL D	ATA
NAME	SIZE	QTY.
BLACK CHERRY	VARIOUS	2
RED MAPLE	4"	1
OAK	28"	1
WHITE ASH	8"	1

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DATE: /-3/-2025

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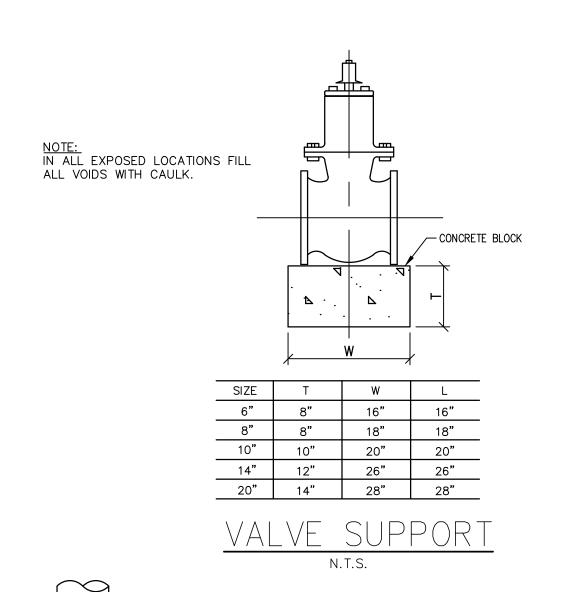
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AQUA NEW JERSEY
WELL NO. 6
AS TREATMENT IMPROV

BECKED BY: SCALE:

D.F./S.C. AS NOTED



<del>|---</del> 1" MIN.

PIPE STAND SIZES

3/4"

1 FOR PIPES W/CL ELEVATIONS 24" MAX AFF

SANDBLAST AND SHOP PRIME ALL OTHERS

PIPE SADDLE WITH ADJUSTABLE

STANCHION

2 GALV SUPPORTS WHEN USED OUTDOORS

PLATE

6"x6"x3/8"

10"x10"x1/2"

SIZE

PIPE SIZE | PIPE STAND | THREADED

(SCH 40)

1-1/4"

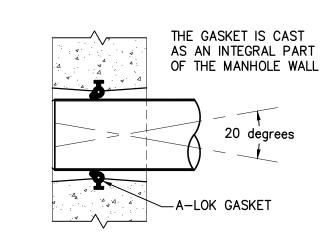
SIZE

8"ø AND

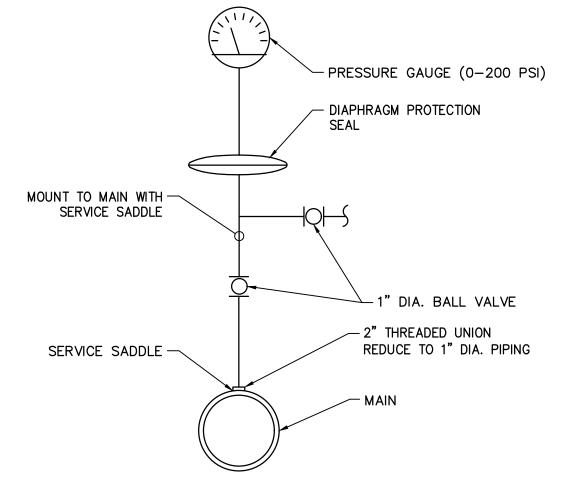
SMALLER

16"ø

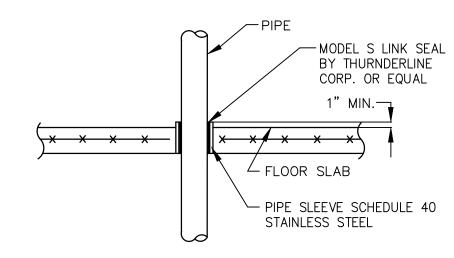
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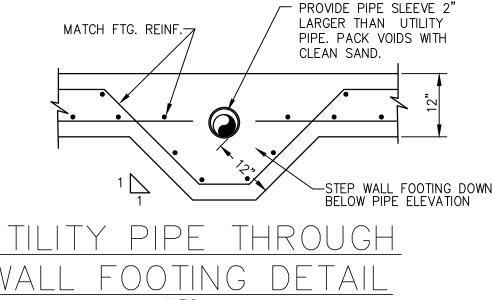
TYPICAL A-LOK SECTION



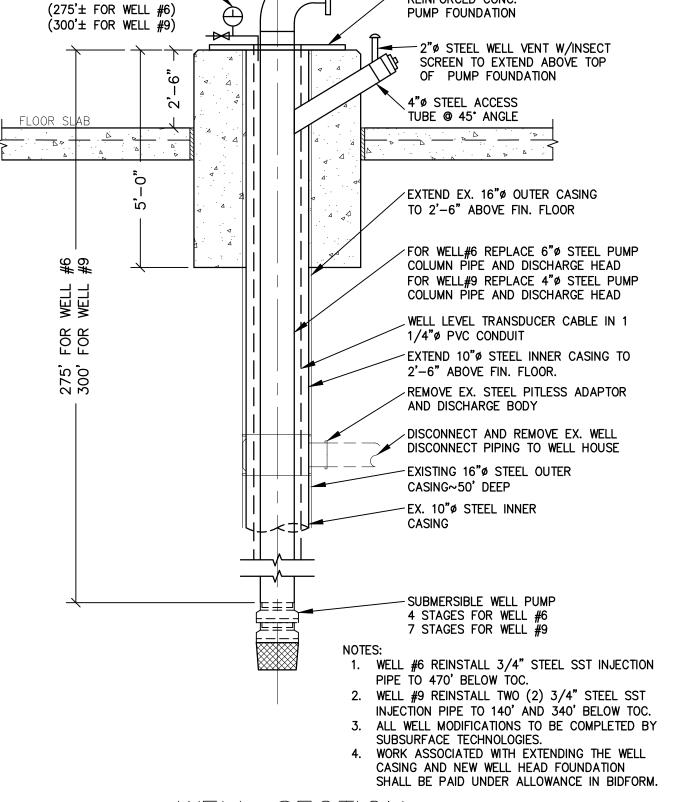
PRESSURE GAUGE ASSEMBLY DETAIL



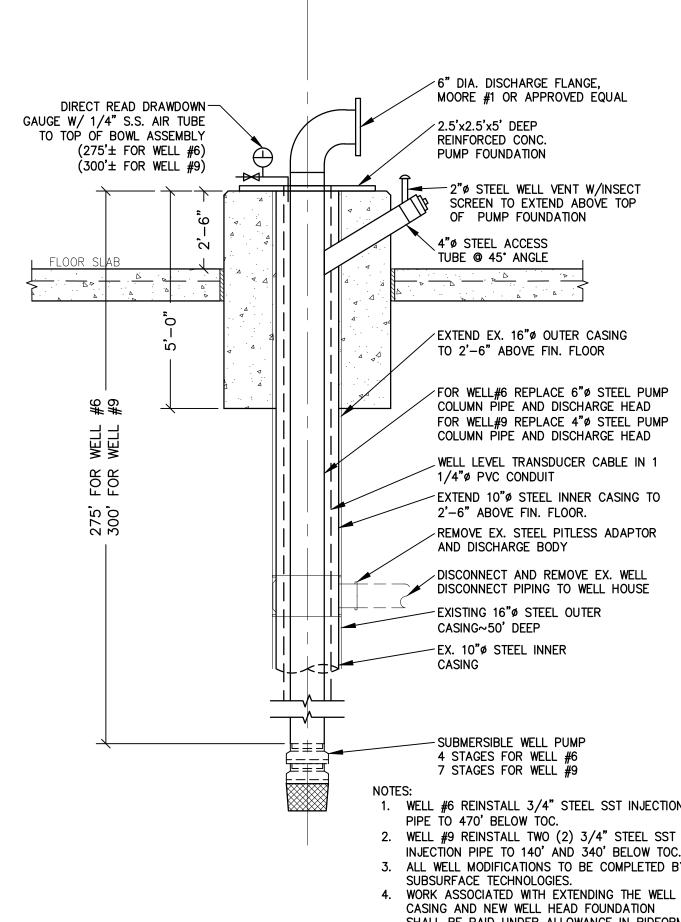
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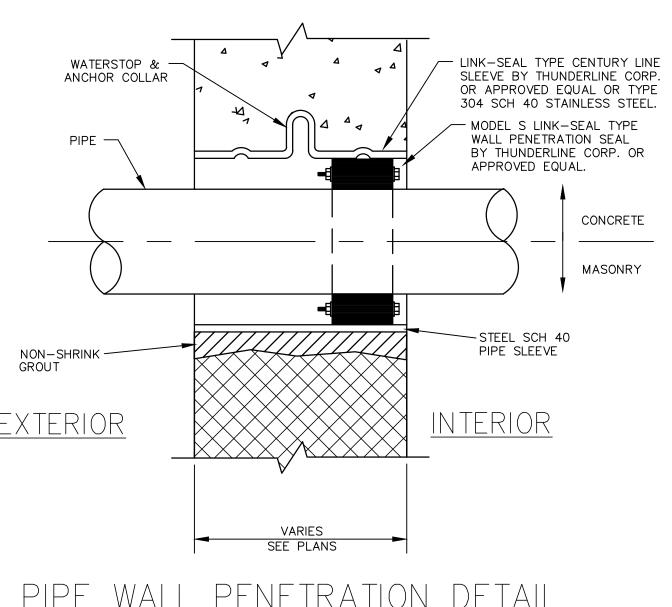
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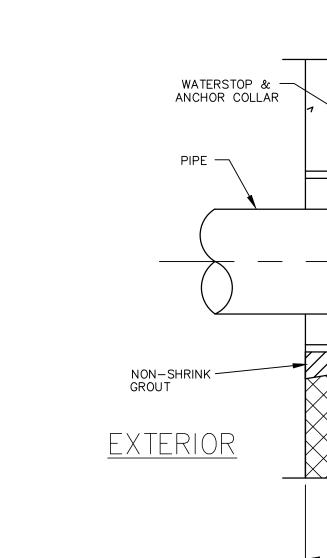
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1 [	STEP WALL FOOTING DOWN BELOW PIPE ELEVATION
UTILITY	PIPE THROUGH
WALL FO	DOTING DETAIL
	N.T.S.



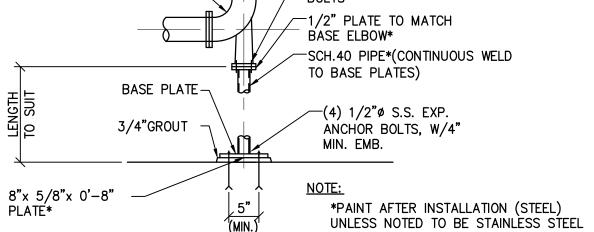
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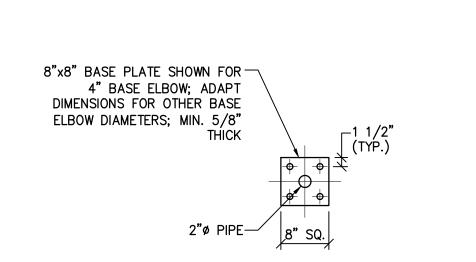


PIPE WALL PENETRATION DETAIL



FLANGE D.I. -STAINLESS STEEL 90° BASE ELBOW BOLTS -1/2" PLATE TO MATCH BASE ELBOW\* -SCH.40 PIPE\*(CONTINUOUS WELD TO BASE PLATES)





BASE ELBOW DIA.	SUPPORTING PIPE DIA.
4	2
6	2.5
8	4
10	4
12	6
14	6
16	6
18	8

INSULATION AS REQUIRED

TYPE 38 SADDLE

3/4" SCH 40 PIPE

3/4" THREADED ROD

HEX NUT AND WASHER

INTO PIPE L/2 MIN

1200 G SERIES

PIPE SIZE

WELDED TO

PLATE (SCH 40)

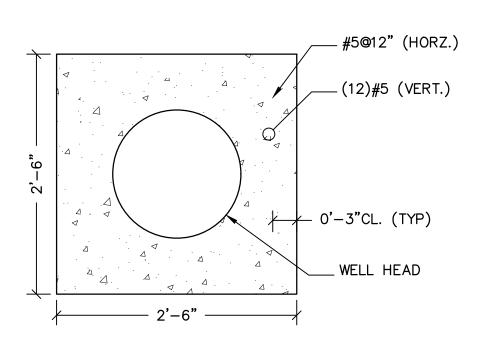
1-1/2"

ROD LENGTH EXTENSION

1/2"ø EXPANSION ANCHOR TYP

TO RED HEAD OR EQUAL WS

PLAN VIEW OF BASE PLATE DETAIL - BASE ELBOW SUPPORT SYSTEM



WELL HEAD FOUNDATION DETAIL

WELL MODIFICATION DETAIL N.T.S.

DRAWN BY: DESIGN BY: CHECKED BY: SCALE K.H. K.H. D.F./S.C. AS NOTED SHEET No.: MAY 2024 D-1 JOB No.: 3908X023

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WELL NO. 6 EATMENT IMPRO

REMINGTON

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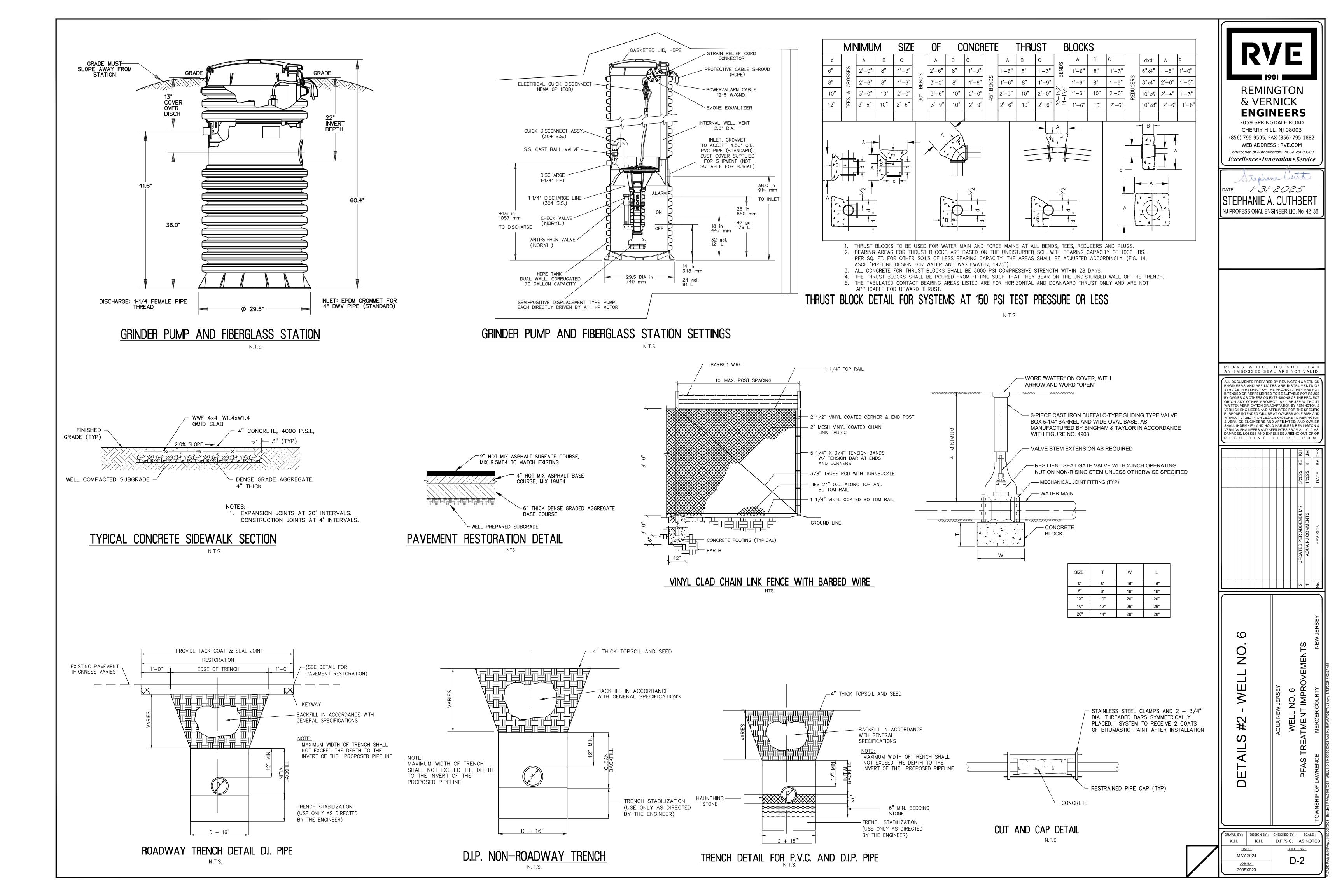
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DATE: 1 - 31 - 2025

Stephane Chert

& VERNICK



\_\_\_\_\_X \_\_\_\_

SILT FENCE (TYPICAL)

LIMIT OF DISTURBANCE (TYPICAL)

FINAL RESTORATION

REMOVAL OF TEMPORARY SOIL EROSION AND SEDIMENT CONTROLS

SEEDING PERIODS IN SPRING AND FALL.

CLETHRA ALNIFOLIA- SUMMERSWEET

ILEX VERTICILLATE— WINTERBERRY

ROSA PALUSTRIS- SWAMP ROSE SALIX DISCOLOR- PUSSY WILLOW

VIBURNUM NUDUM- POSSUMHAW

LINDERA BENZOIN- SPICEBUSH

CORNUS SERICEA- RED-TWIG DOGWOOD

RHODODENDRON VISCOSUM- SWAMP AZALEA

VACCINIUM CORYMBOSUM- HIGHBUSH BLUEBERRY

VIBURNUM DENTATUM- ARROWWOOD VIBURNUM

RVE

#### REMINGTON & VERNICK ENGINEERS

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

DATE: 1-31-2025

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

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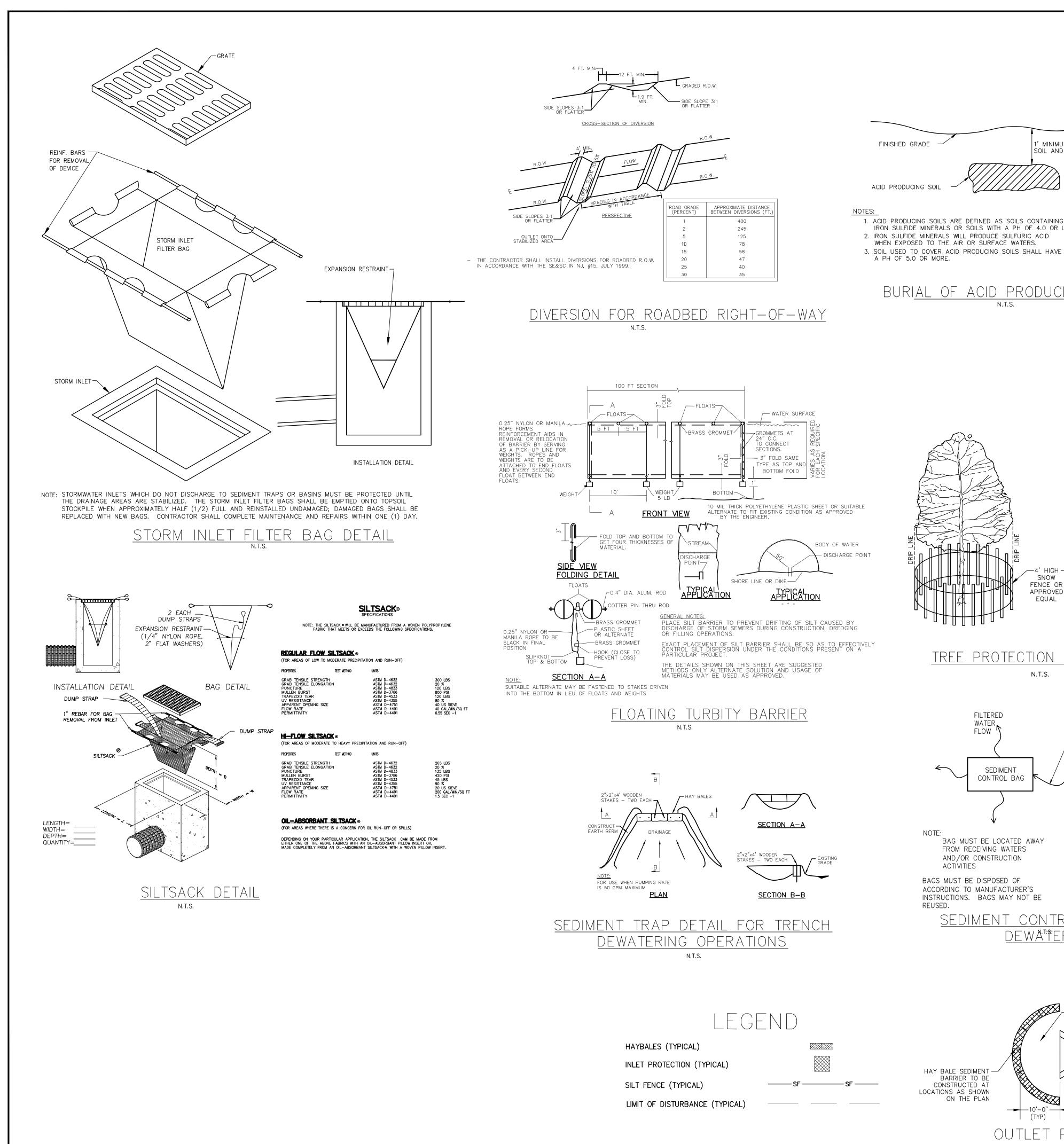
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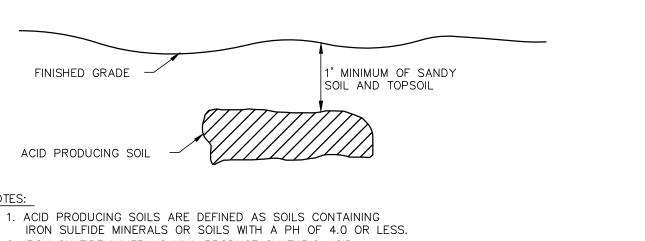
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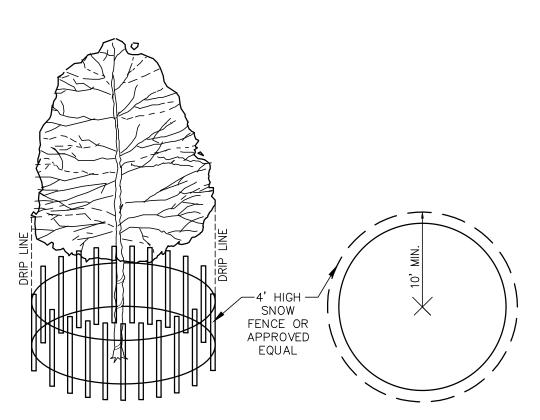
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THIS PLAN TO BE USED FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLYL

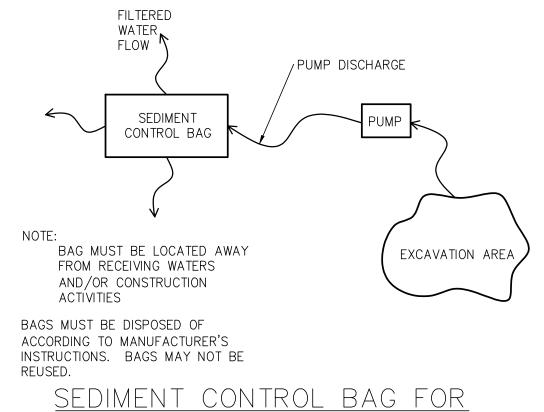




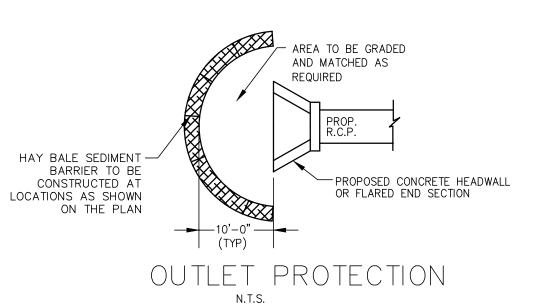
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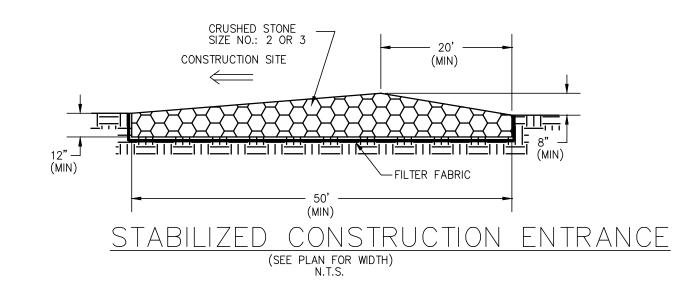


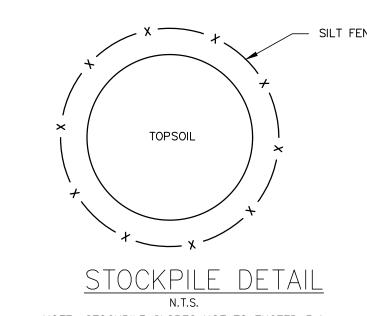
TREE PROTECTION DURING CONSTRUCTION N.T.S.



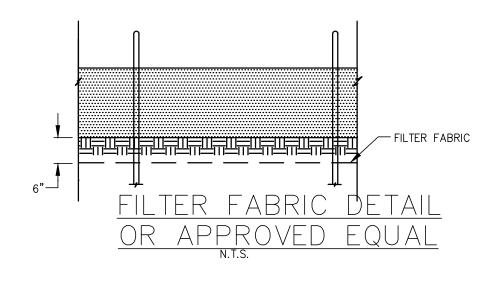
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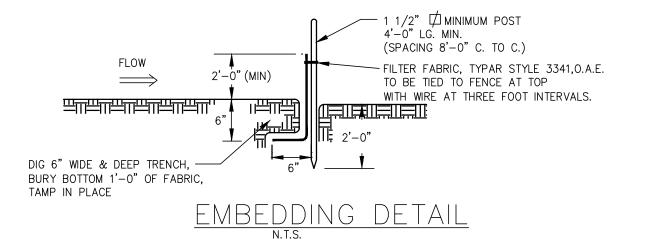


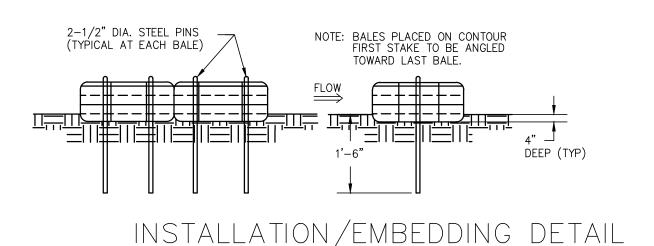




NOTE: STOCKPILE SLOPES NOT TO EXCEED 3:1







1. SE/SC MEASURES TO BE EMPLOYED WHERE NEEDED.

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**REMINGTON** & VERNICK **ENGINEERS** 

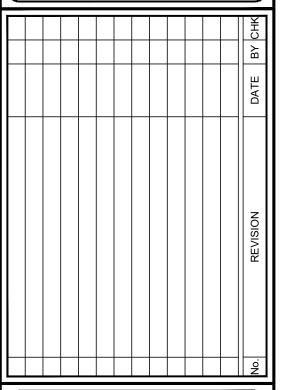
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Stephane hutt DATE: 1 - 31 - 2025

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EDIMENT HEET #2 NO. SEI S S SOIL EROSION SONTROL DETAIL WELL NO. 6

SHEET No.:

DRAWN BY: DESIGN BY: CHECKED BY: SCALE: K.H. K.H. D.F./S.C. AS NOTED MAY 2024 SESC-2 JOB No. : 3908X023

#### GENERAL NOTES

#### DESIGN CRITERIA

1. LIVE LOAD:

A. ROOF LIVE LOAD 20 PSF B. FLOOR LIVE LOAD 125 PSF

2. DEAD LOAD:

A. STRUCTURAL AND BUILDING COMPONENTS SELF WEIGHT

3. WIND LOADING PER IBC 2021 - NEW JERSEY EDITION:

A. BASIC WIND VELOCITY (V): 125 MPH
B. EXPOSURE CATEGORY: C
C. RISK CATEGORY: III

4. SEISMIC LOADING PER IBC 2021 - NEW JERSEY EDITION:

A. RESPONSE ACCELERATOR:  $S_S = 0.22 \qquad S_{DS} = 0.235$   $S_I = 0.052 \qquad S_{DI} = 0.083$  B. SEISMIC DESIGN CATEGORY: B C. SEISMIC SITE CLASSIFICATION: D D. IMPORTANCE FACTOR  $I_F$ : 1.25

5. SNOW LOADING PER IBC 2021 - NEW JERSEY EDITION:

A. GROUND SNOW LOAD: 30 PSF

B. IMPORTANCE FACTOR: 1.1

6. SPECIAL LOADS:

A. HANDRAILS/GUARDRAILS: IN COMPLIANCE WITH THE PROVISIONS OF IBC 2021

- NEW JERSEY EDITION SEE PROJECT SPECIFICATIONS.

#### FOUNDATIONS

- 1. ALL EXISTING FILL MATERIALS, CONSISTING OF GRAVEL, BRICK FRAGMENTS, CONCRETE CHIPS, WOOD CHIPS, AND DEMOLITION DEBRIS SHALL BE REMOVED IN THE REGIONS OF ALL FOUNDATIONS AND UNDER AREAS OF SLAB-ON-GRADE.
- 2. THE SLAB ON GRADE SHALL REST ON A MINIMUM OF 6 INCHES OF COMPACTED GRANULAR FILL.
- 3. PROOF ROLL SLAB SUBGRADE UNDER THE DIRECTION OF THE INSPECTION AGENCY. REMOVE ALL UNSUITABLE AREAS AND REPLACE WITH COMPACTED STRUCTURAL FILL MATERIALS. COMPACT FILL TO AT LEAST 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE ASTM D 1557 MODIFIED PROCTOR TEST.
- 4. SHALLOW FOUNDATIONS SHALL BE FOOTINGS TO BEAR ON UNDISTURBED SOIL, HAVING A MINIMUM SAFE BEARING CAPACITY OF 3.0 KSF. THE TESTING AND INSPECTION AGENCY SHALL VERIFY SOIL BEARING CAPACITY AT EACH WALL FOOTING PRIOR TO INSTALLATION OF FOOTING. NOTIFY ENGINEER OF ANY VARIATION FROM ANTICIPATED BEARING CAPACITY FOR APPROPRIATE REDESIGN OF FOOTING.
- 5. THE BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE 2'-6" MINIMUM BELOW FINISHED GRADE.
- 6. EDGES OF FOOTINGS SHALL NOT BE PLACED AT A GREATER THAN 1 (VERTICAL) TO 2 (HORIZONTAL) SLOPE WITH RESPECT TO ANY ADJACENT FOOTING OR EXCAVATION.
- 7. ALL ADJACENT COLUMN FOOTINGS THAT ABUT SHALL BE SEPARATED BY A PAPER JOINT.
- 8. BACKFILLING AGAINST WALLS SHALL NOT BE DONE UNTIL CONCRETE HAS BEEN CURED TO ATTAIN SUFFICIENT STRENGTH (7 DAYS MINIMUM) AND WALLS ARE PROPERLY SHORED AND/OR BRACED. BACKFILL FOUNDATION WALLS WITH EARTH ON BOTH SIDES OF THE WALL BY ALTERNATELY PLACING BACKFILL ON EACH SIDE SO THAT HEIGHT OF BACKFILL DOES NOT DIFFER BY MORE THAN 1'-6" FROM OTHER SIDE.
- 9. THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS AND ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER.
- 10. NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER.
- 11. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS OF TRENCHES, PITS, CONDUITS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.

#### FOUNDATION CONCRETE

1. ALL CONCRETE SHALL BE NORMAL WEIGHT STRUCTURAL CONCRETE HAVING A DESIGN COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:

A. FOOTINGS 4,000 PSI
B. WALLS AND PIERS 4,000 PSI
C. SLAB-ON-GRADE 4,000 PSI

- 2. NO CONCRETE SHALL BE PLACED UNTIL CONCRETE DESIGN MIXES HAVE BEEN SUBMITTED FOR EACH CLASS OF CONCRETE NOTED ABOVE AND HAVE BEEN APPROVED BY THE ENGINEER.
- 3. REINFORCING STEEL SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE NEW BILLET STEEL CONFORMING TO CURRENT REQUIREMENTS OF ASTM A 615, GRADE 60. LAP BARS 40 DIAMETER UNLESS OTHERWISE SHOWN. ALL HOOKS SHALL BE STANDARD HOOKS, UNLESS OTHERWISE NOTED.
- 4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185.
- 5. ALL MESH SHALL BE SPLICED SO THAT THE OVERLAP OF THE OUTERMOST CROSS WIRES OF EACH ADJOINING SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRES PLUS 2 INCHES, UNLESS NOTED OTHERWISE.
- 6. FOR ALL SLABS ON GRADE WHERE NOT OTHERWISE SPECIFIED, USE 6x6-W2.9xW2.9
- 7. MINIMUM STEEL PROTECTION, UNLESS OTHERWISE SHOWN, SHALL BE 1-INCH FOR INTERIOR FACE OF WALLS, 2 INCHES FOR EXTERIOR FACE OF WALLS, 3 INCHES FOR FOOTINGS AND OTHER STRUCTURAL CONCRETE DEPOSITED AGAINST GROUND, 2 INCHES FOR CONCRETE PERMANENTLY EXPOSED TO EARTH OR WEATHER.
- 8. ALL STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION. CONSTRUCTION JOINTS, SUCH AS DAY'S POUR JOINTS, SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN, MAIN REINFORCING TO RUN THROUGH THE JOINT, KEY AND ROUGHEN JOINTS TO EXPOSE AGGREGATE. CONTRACTOR SHALL SUBMIT DRAWING INDICATING CONSTRUCTION JOINT LOCATIONS FOR APPROVAL.
- 9. NO CONCRETE SHALL BE PLACED IN WATER.
- 10. ALL SLABS ON GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC. AS SHOWN ON OR AS REQUIRED BY VARIOUS TRADES.
- 11. REFER TO ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS FOR CONCRETE
- 12. FOR ADDITIONAL CONCRETE WORK NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.

#### SUPERSTRUCTURE CONCRETE

1. ALL CONCRETE SHALL BE NORMAL WEIGHT STRUCTURAL CONCRETE HAVING A DESIGN COMPRESSIVE STRENGTH AS FOLLOWS:

A. COLUMNS 4,000 PSI
B. SLABS, BEAM 4,000 PSI
C. WALLS 4,000 PSI

- 2. NO CONCRETE SHALL BE PLACED UNTIL CONCRETE DESIGN MIXES HAVE BEEN SUBMITTED FOR EACH CLASS OF CONCRETE NOTED ABOVE AND HAVE BEEN APPROVED BY THE ENGINEER.
- 3. REINFORCING STEEL SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE NEW BILLET STEEL CONFORMING TO CURRENT REQUIREMENTS OF ASTM A 615, GRADE 60. LAP BARS 40 DIAMETER UNLESS OTHERWISE SHOWN. ALL HOOKS SHALL BE STANDARD HOOKS, UNLESS OTHERWISE NOTED.
- 4. MINIMUM STEEL PROTECTION, UNLESS OTHERWISE SHOWN, SHALL BE 3/4-INCH FOR SLABS, 1-INCH FOR INTERIOR FACE OF WALLS, 2-INCH FOR EXTERIOR FACE OF WALLS, 1 1/2-INCH FOR BEAM STIRRUPS AND COLUMN TIES, 2-INCH FOR VERTICAL COLUMN REINFORCING.
- 5. ALL STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION. CONSTRUCTION JOINTS, SUCH AS DAY'S POUR JOINTS, SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN, MAIN REINFORCING TO RUN THROUGH THE JOINT, KEY AND ROUGHEN JOINTS TO EXPOSE AGGREGATE. CONTRACTOR SHALL SUBMIT DRAWING INDICATING CONSTRUCTION JOINT LOCATIONS FOR APPROVAL.
- 6. NO OPENINGS SHALL BE MADE IN ANY STRUCTURAL MEMBER, UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS, WITHOUT APPROVAL FROM THE ENGINEER. NO SLEEVES SHALL BE PLACED HORIZONTALLY OR VERTICALLY IN BEAMS OR JOISTS, UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS, WITHOUT APPROVAL FROM THE ENGINEER.
- 7. CONTRACTOR SHALL SUBMIT A COORDINATED DRAWING SHOWING ALL SLEEVES, OPENINGS, BLOCKOUTS, ETC., AS REQUIRED BY ALL TRADES, FOR APPROVAL, PRIOR TO PLACING CONCRETE IN THAT AREA.
- 8. ALL SLABS SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC. AS SHOWN HEREIN OR ON ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
- 9. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185.
- 10. ALL MESH SHALL BE SPLICED SO THAT THE OVERLAP BETWEEN OUTERMOST CROSS WIRES OF EACH SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRES PLUS 2 INCHES, UNLESS OTHERWISE SHOWN ON DRAWINGS.
- 11. FOR ALL SLABS WHERE NOT OTHERWISE SPECIFIED USE STYLE 6x6-W2.9xW2.9 W.W.F.
- 12. FOR ADDITIONAL CONCRETE WORK NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.
- 13. REFER TO ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS FOR CONCRETE FINISHES.

#### MASONR'

- 1. HOLLOW CONCRETE MASONRY UNITS ASTM C90, GRADE N, TYPE 1 NORMAL WEIGHT 1900 PSI NET AREA COMPRESSIVE.
- 2. MORTAR SHALL BE ASTM C270, TYPE S FOR ALL REINFORCED MASONRY, EXTERIOR WALLS AND WALLS BELOW GRADE.
- 3. GROUT SHALL BE ASTM C476, 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
- 4. REINFORCING STEEL GRADE 60 REINFORCING BARS.
- 5. HORIZONTAL JOINT REINFORCEMENT ASTM A951.
- 6. STRENGTH OF MASONRY ASSEMBLY f'm = 1,500 PSI.
- 7. CONSTRUCTION SHALL CONFORM TO SPECIFICATIONS FOR MASONRY STRUCTURES, ACI
- 8. REINFORCING METAL TIES AND ANCHORS SHALL BE PROTECTED FROM CONTACT WITH SOIL AND BEFORE BEING PLACED SHALL BE FREE FROM LOOSE RUST AND OTHER COATINGS THAT WILL DESTROY OR REDUCE THE BOND. MINIMUM LAP SHALL BE 48 BAR DIAMETERS FOR REBAR AND 6" FOR JOINT REINFORCEMENT.
- 9. SHOP DRAWINGS SHOWING ALL BAR REINFORCING IN ELEVATION (1/8" TO 1'-0" MINIMUM SCALE) SHALL BE SUBMITTED AND REVIEWED PRIOR TO CONSTRUCTION.
- 10. ALL MASONRY WALLS TO HAVE 9 GAGE TRUSS TYPE HORIZONTAL REINFORCEMENT AT 16 INCHES ON CENTER.
- 11. MASONRY UNITS SHALL BE STEAM CURED, A MINIMUM OF 28 DAYS AT THE TIME OF DELIVERY AND CONTINUOUSLY PROTECTED FROM EXPOSURE TO RAIN OR OTHER SOURCES OF WATER FROM TIME OF CASTING TO FINAL PLACEMENT IN WALL. MASONRY UNITS SHALL BE DRY, FREE FROM SOIL, ICE AND FROST WHEN LAID IN WALL. SEE ACI 530.1 FOR COLD AND HOT WEATHER CONSTRUCTION AND WALL PROTECTION REQUIREMENTS.

#### STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS, LATEST EDITION:
- A. STRUCTURAL STEEL SHAPES ASTM A992 HAVING A MINIMUM YIELD STRENGTH OF
- 50 KSI.

B. MISC SHAPES, BARS, AND PLATES - A 36 HAVING A MINIMUM YIELD STRENGTH

- OF 36 KS.

  C. ROUND PIPE A 53, GRADE B HAVING A MINIMUM YIELD STRENGTH OF 35 KS.
- D. SQUARE AND RECTANGULAR TUBING A 500, GRADE B HAVING A MINIMUM YIELD STRENGTH OF 46 KSI.
- 2. BOLTS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS: HIGH STRENGTH BOLTS—A 325 OR A 490; ANCHOR BOLTS—F1554; STANDARD FASTENERS—A 307.
- 3. ALL WELDING ELECTRODES SHALL CONFORM TO THE E-70 SERIES OF THE SPECIFICATION FOR MILD STEEL ARC WELDING ELECTRODES ASTM A 233.
- 4. ALL BOLTS SHALL BE 3/4-INCH DIAMETER, OPEN HOLES 13/16-INCH DIAMETER, UNLESS OTHERWISE SHOWN OR NOTED.
- 5. ALL SHOP CONNECTIONS MAY BE HIGH STRENGTH BOLTED OR WELDED.
- 6. ALL FIELD CONNECTIONS MAY BE HIGH STRENGTH BOLTED EXCEPT WHERE DETAILS INDICATE WELDING.
- 7. ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS.
- 8. ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE FULLY PRE-TENSIONED UNLESS NOTED OTHERWISE.
- 9. ALL HIGH STRENGTH BOLTS IN OVERSIZED HOLES SHALL BE SLIP CRITICAL.
- 10. ALL HIGH STRENGTH BOLTED CONNECTIONS USED FOR KICKERS AND BRACING MEMBERS WHICH ARE FABRICATED WITH SLOTTED HOLES SHALL USE SLIP—CRITICAL BOLTS. IF STANDARD HOLES ARE USED, BOLTS SHALL BE FULLY PRE—TENSIONED.
- 11. NO PENETRATIONS ARE PERMITTED THROUGH STRUCTURAL STEEL MEMBERS UNLESS INDICATED ON STRUCTURAL DRAWINGS OR APPROVED BY ENGINEER.
- 12. APPROVAL OF THE ENGINEER SHALL BE MANDATORY FOR THE USE OF CUTTING TORCH IN THE FIELD.
- 13. DURING ERECTION, STRUCTURAL STEEL FRAME SHALL BE ADEQUATELY BRACED IN ALL LINES, TWO WAYS.
- 14. CONNECTIONS SHALL BE DESIGNED PER AISC TO CARRY FULL CAPACITY OF UNIFORMLY LOADED MEMBER, UNLESS NOTED OTHERWISE. REACTIONS GREATER THAN FULL MEMBER CAPACITY ARE INDICATED THUS (60K) ON PLAN.
- 15. ALL GROUT UNDER STEEL PLATES SHALL BE NON-SHRINK "PRE-MIX" TYPE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI.
- 16. FOR ALL MISCELLANEOUS STEEL CONSTRUCTION NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.
- 17. EXPANSION BOLTS SHALL BE 3/4-INCH DIAMETER KWIK BOLT ANCHORS AS MANUFACTURED BY HILTI OR APPROVED EQUIVALENT AS APPROVED BY THE ENGINEER, AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 18. ALL STEEL COLUMN BASE PLATES SHALL INCLUDE LEVELING PLATES AS REQUIRED FOR CONSTRUCTION.
- 19. ALL EXPOSED / EXTERIOR STEEL SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

#### WOOD FRAMING

- PROVIDE ALL WOOD FRAMING MATERIALS AS SHOWN ON THE PLANS FOR COMPLETE CONSTRUCTION.
- 2. PROVIDE ALL MISCELLANEOUS WOOD FRAMING AND/OR BRACING AS REQUIRED FOR SUPPORT OF MECHANICAL, ELECTRICAL, PLUMBING OR MISCELLANEOUS APPURTENANCES.
- 3. ALL WOOD SHALL BE MINIMUM OF GRADE NO. 2 OR BETTER UNLESS OTHERWISE SHOWN
- 4. ALL ROOF SHEATHING SHALL BE INSTALLED WITH PANEL CLIPS.
- 5. PRE-MANUFACTURED WOOD ROOF TRUSSES SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS TO MEET REQUIRED OPENINGS FOR MISCELLANEOUS EQUIPMENT. TRUSS MANUFACTURER SHALL SUBMIT DESIGN DRAWINGS AND CALCULATIONS THAT COMPLY WITH REQUIRED DESIGN LOADS FOR APPROVAL PRIOR TO CONSTRUCTION PLANS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY LICENSED NEW JERSEY PROFESSIONAL ENGINEER.

#### MISCELLANEOUS

- 1. CONTRACTOR SHALL VERIFY CONDITIONS IN THE FIELD AND IMMEDIATELY NOTIFY ENGINEER OF ANY CONDITIONS NOT AS ASSUMED; HE SHALL TAKE FIELD MEASUREMENTS AS REQUIRED AND BE RESPONSIBLE FOR SAME.
- 2. CONTRACTOR SHALL COORDINATE WITH ALL RELATED TRADES FOR DETAILING, FABRICATION, AND ERECTION PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL.
- 3. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC. REQUIREMENTS. DISCREPANCIES AND/OR INTERFERENCE SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 4. GENERAL CONTRACTOR TO PROVIDE APPROPRIATE NUMBER OF COPIES OF ONE COMPLETE COORDINATED DRAWING SHOWING ALL SLEEVES, CONDUIT BOXOUT, DUCT OPENINGS, ETC. AS REQUIRED FOR ALL TRADES FOR ENGINEER'S APPROVAL. THIS SHALL BE DONE A MINIMUM OF TWO WEEKS PRIOR TO POURING AFFECTED SLABS, COLUMNS, OR FOOTINGS.
- 5. NO OPENINGS SHALL BE MADE IN ANY STRUCTURAL MEMBER UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS OR OTHER APPROVAL FROM THE ENGINEER.
- 6. SUPPORT DETAILS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT IS BASED UPON AVAILABLE INFORMATION OF MANUFACTURER. CONTRACTOR SHALL COORDINATE REQUIREMENTS OF ACTUAL EQUIPMENT AND SHALL PROVIDE ANY ADDITIONAL REQUIRED FRAMING.

ABBREVIATIONS					
E.F.	EACH FACE				
WF1	WALL FOOTING				
CMU	CONCRETE MASONRY UNIT				
V.I.F.	VERIFY IN THE FIELD				
O.C.	ON CENTER				
E.W.	EACH WAY				
T&B	TOP & BOTTOM				
AL	ALUMINUM				
CS	CARBON STEEL				
SS	STAINLESS STEEL				
CL	CENTER LINE				
GALV.	GALVANIZED				
T.O.M.	TOP OF MASONRY				

STRUCTURAL DRAWING LIST		
DRAWING #	DRAWING TITLE	
S-1.0	WELL NO. 6 AND WELL NO. 9 STRUCTURAL COVER SHEET	
S-1.1(W6)	WELL NO. 6 FOUNDATION PLAN	
S-2.1(W6)	WELL NO. 6 TOP SLAB PLAN	
S-2.2(W6)	WELL NO. 6 STEEL FRAMING AND LINTEL PLAN	
S-2.3(W6)	WELL NO. 6 BUILDING FLOOR PLAN	
S-3.1(W6)	WELL NO. 6 BUILDING ROOF PLAN	
S-4.1(W6)	WELL NO. 6 EXTERIOR BUILDING ELEVATIONS	
S-4.2(W6)	WELL NO. 6 EXTERIOR BUILDING ELEVATIONS	
S-4.3(W6)	WELL NO. 6 INTERIOR BUILDING SECTION	
S-4.4(W6)	WELL NO. 6 INTERIOR BUILDING SECTION	
S-5.1(W6)	WELL NO. 6 SECTIONS AND DETAILS	
S-1.1(W9)	WELL NO. 9 FOUNDATION FLOOR PLAN	
S-2.1(W9)	WELL NO. 9 TOP SLAB & LINTEL PLAN	
S-2.2(W9)	WELL NO. 9 BUILDING FLOOR PLAN	
S-3.1(W9)	WELL NO. 9 BUILDING ROOF PLAN	
S-4.1(W9)	WELL NO. 9 EXTERIOR BUILDING ELEVATIONS	
S-4.2(W9)	WELL NO. 9 EXTERIOR BUILDING ELEVATIONS	
S-4.3(W9)	WELL NO. 9 INTERIOR BUILDING SECTIONS	
S-5.1(W9)	WELL NO. 9 SECTIONS AND DETAILS	

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DATE: O1.24.2025 KENNETH C. RESSLI

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ALL DOCUMENTS PREPARED BY REMINGTON & VERNIC

NO. 6 AND WELL NO. 9 JCTURAL COVER SHEET

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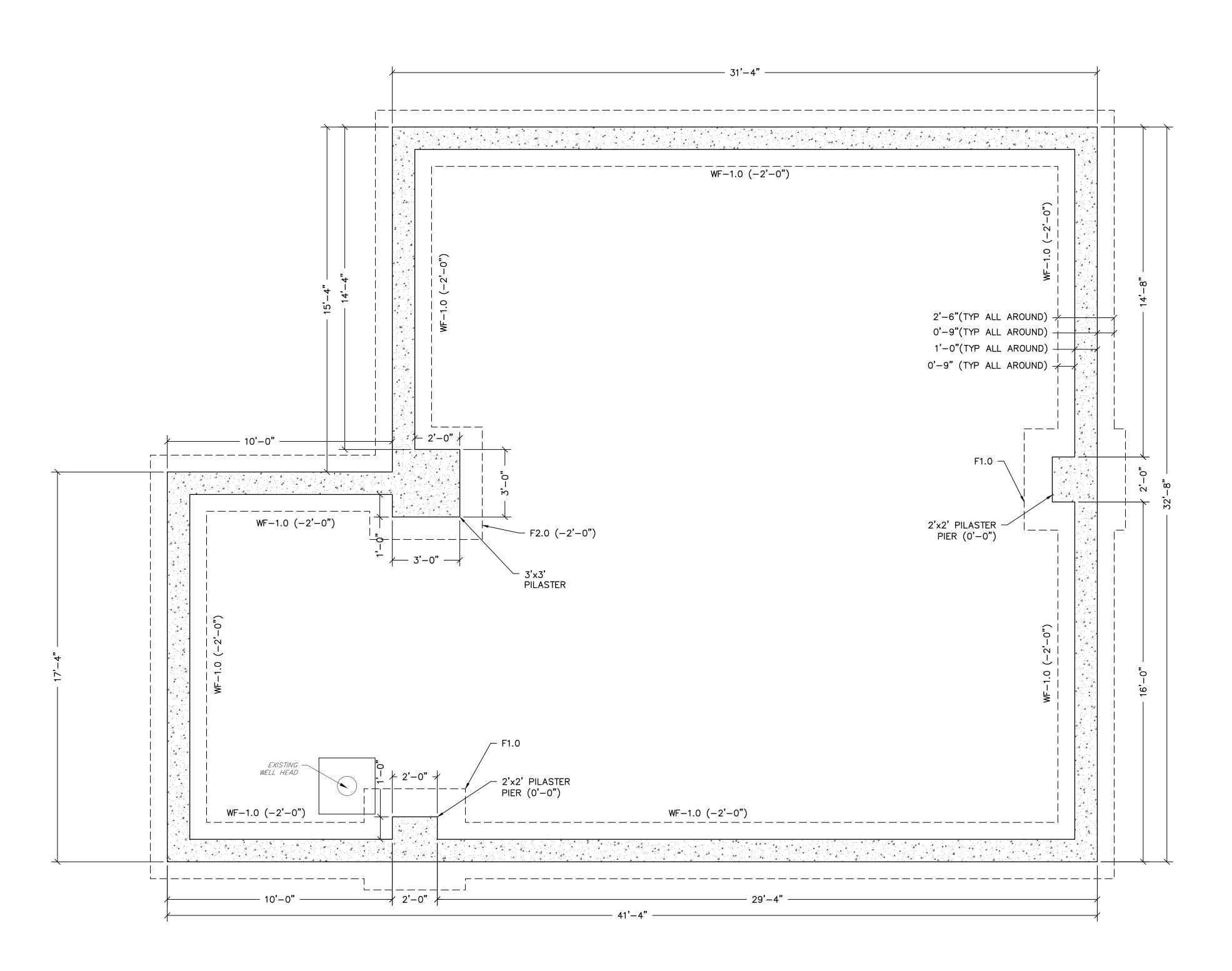
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 DESIGN BY:
 CHECKED BY:
 SCALE:

 J.G.
 R.C.
 J.T.
 AS NOTED

 SHEET No.:

 FEB 2024
 S-1.0

 JOB No.:
 3908X023



#### FOUNDATION FLOOR PLAN SCALE: 3/8"=1'

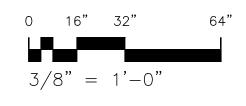
(\_\_\_\_) INDICATES T/FTG. EL. SUBTRACTED FROM F.F., T/F.F. @ EL. 0'-0"

(\_\_\_\_) INDICATES T/PIER. EL. SUBTRACTED FROM F.F., T/F.F. @ EL. 0'-0"

SECTIONS SHOWN IN PLAN APPLY TO SIMILAR CONDITIONS THROUGHOUT THE BLDG.

WALL FOOTING SCHEDULE			
WF1.0			
2'-6"W x 12" THICK W/ #5 @ 12" O.C. E.W. T&B			

PILASTER FOOTING SCHEDULE			
F1.0	F2.0		
4'-6"W x4'-6"L 12" THICK W/ (5)#5 @ E.W. O.C. T&B	5'-0"W x5'-0"L 12" THICK W/ (5)#5 @ E.W. O.C. T&B		



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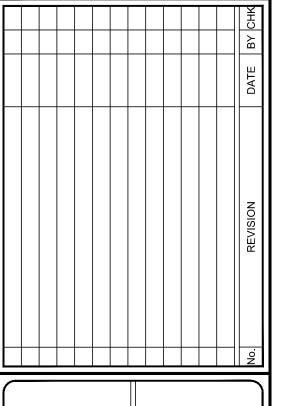
STEPHANIE A. CUTHBERT NJ PROFESSIONAL ENGINEER LIC. No. 42136

DATE: 01.24.2025

KENNETH C. RESSLER
NJ PROFESSIONAL ENGINEER LIC. No. 34559

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WELL NO. 6
FOUNDATION PLAN
AQUA NEW JERSEY
WELL NO. 6 & WELL NO. 9
AS TREATMENT IMPROVEMENTS

DRAWN BY: DESIGN BY: CHECKED BY: SCALE:

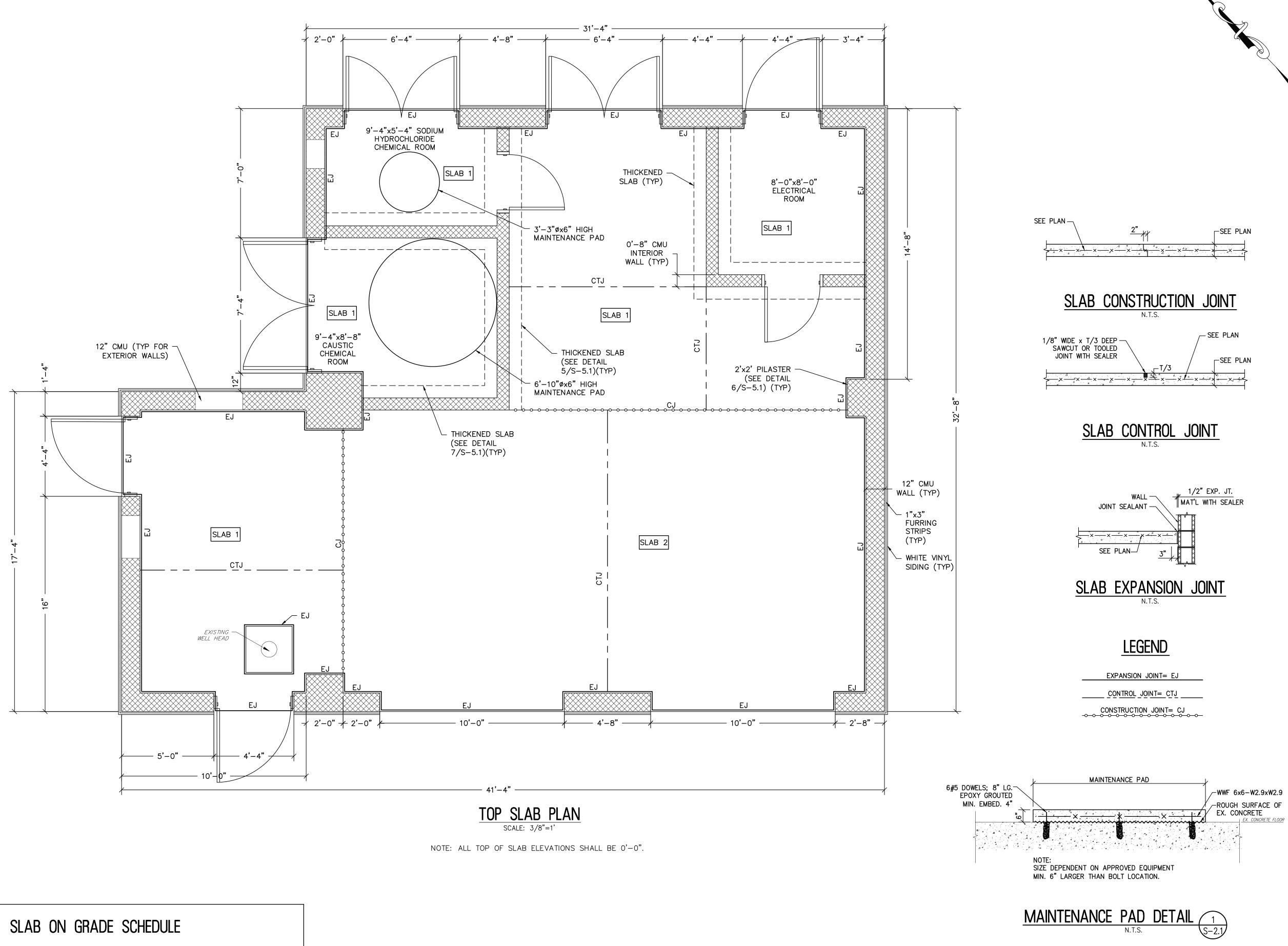
J.G. R.C. J.T. AS NOTED

DATE: SHEET No.:

FEB 2024

JOB No.:
3908X023

S—1.1(W6)



SLAB-1

8" THICK S.O.G. W/#4 @ 12" O.C. E.W. ON

SLAB-2

12" THICK S.O.G. W/#5 @ 12" O.C. BOTH WAYS T&B

10 MIL VAPOR BARRIER AND 4" CRUSHED STONE ON 10 MIL VAPOR BARRIER AND 4" CRUSHED STONE

DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OF WELL NO. 6 & WELL NO. 9 PFAS TREATMENT IMPROVEMENTS WELL NO. 6 TOP SLAB PLAN DRAWN BY: DESIGN BY: CHECKED BY: SCALE: 0 16" 32" J.G. R.C. J.T. AS NOTED SHEET No.: FEB 2024 3/8" = 1'-0" S-2.1(W6) JOB No.: 3908X023

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BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT
OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT

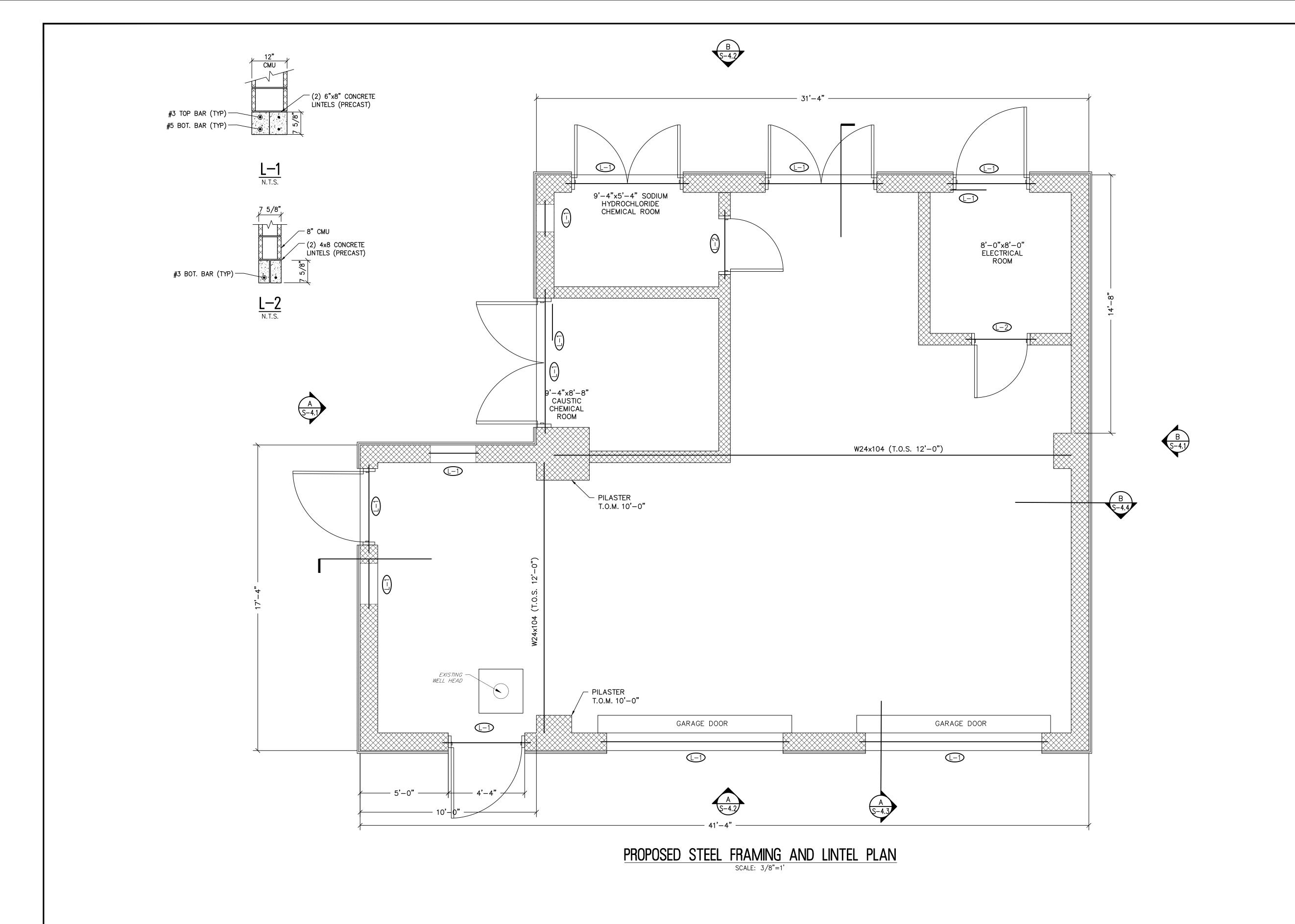
WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON 8 VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON

& VERNICK ENGINEERS AND AFFILIATES; AND OWNER

SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON OF VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS

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& VERNICK



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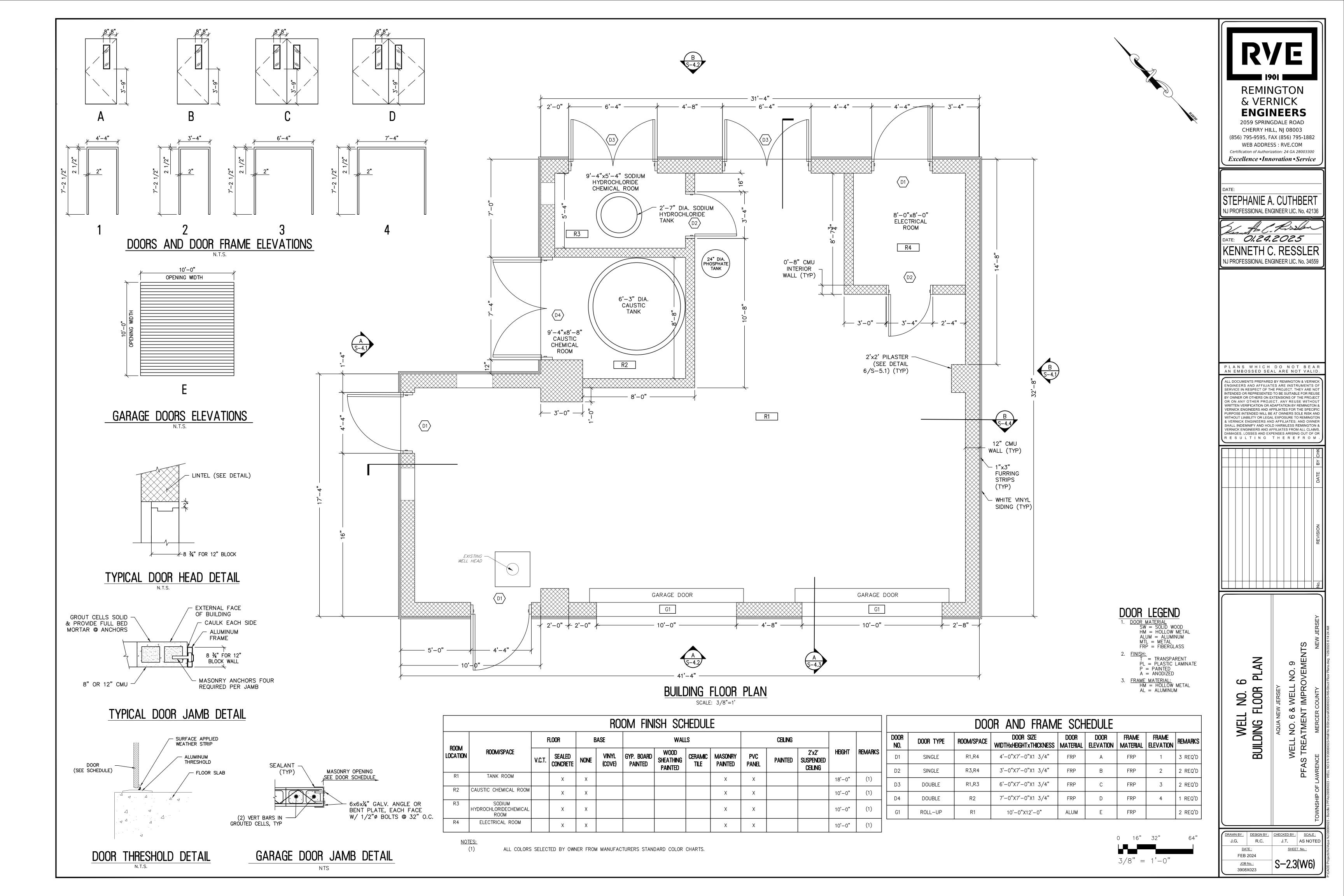
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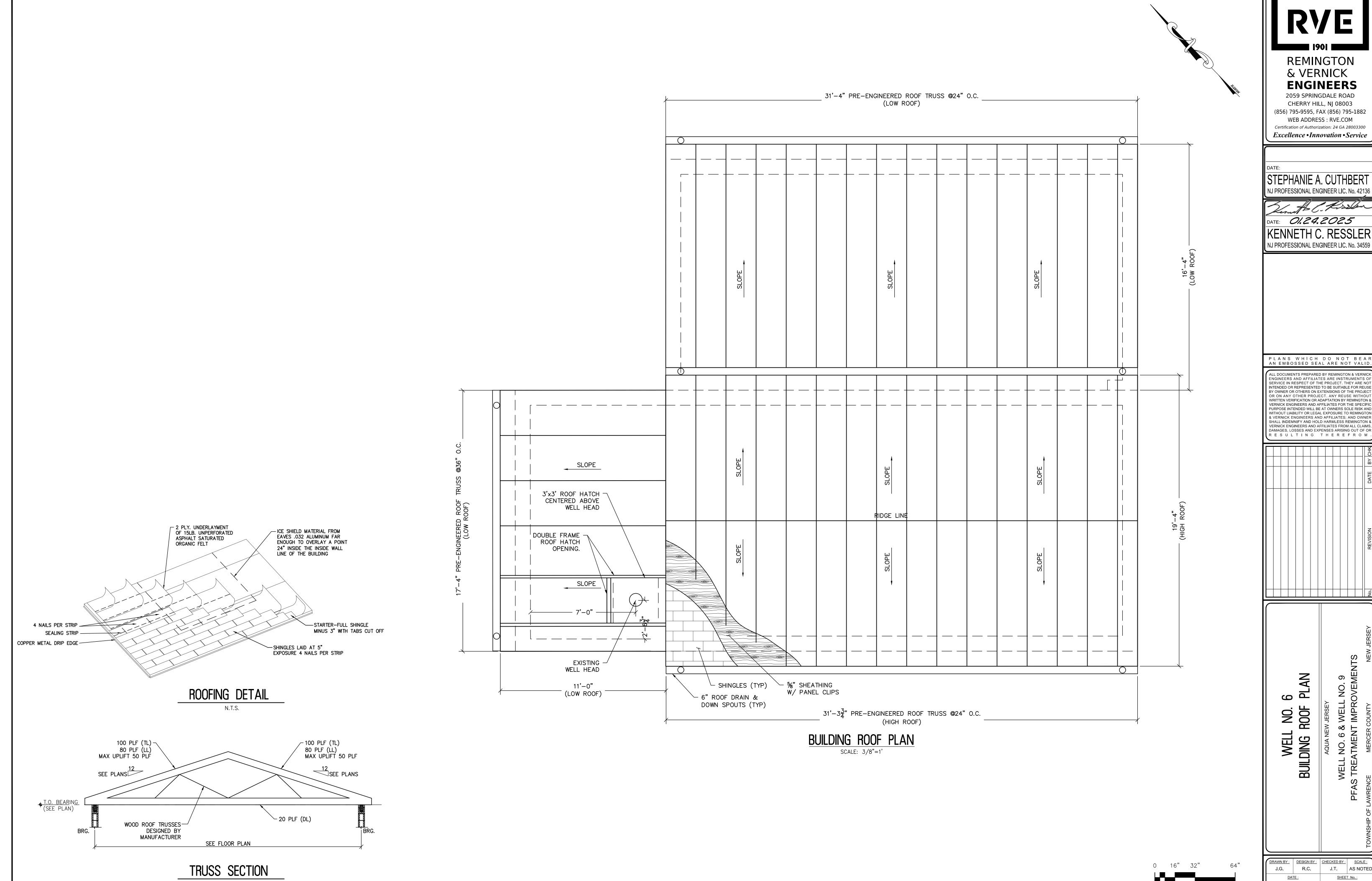
WELL FRAMING A

J.G. R.C. J.T. AS NOTED S-2.2(W6) JOB No. : 3908X023

STEEL

3/8" = 1'-0"





& VERNICK

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STEPHANIE A. CUTHBERT

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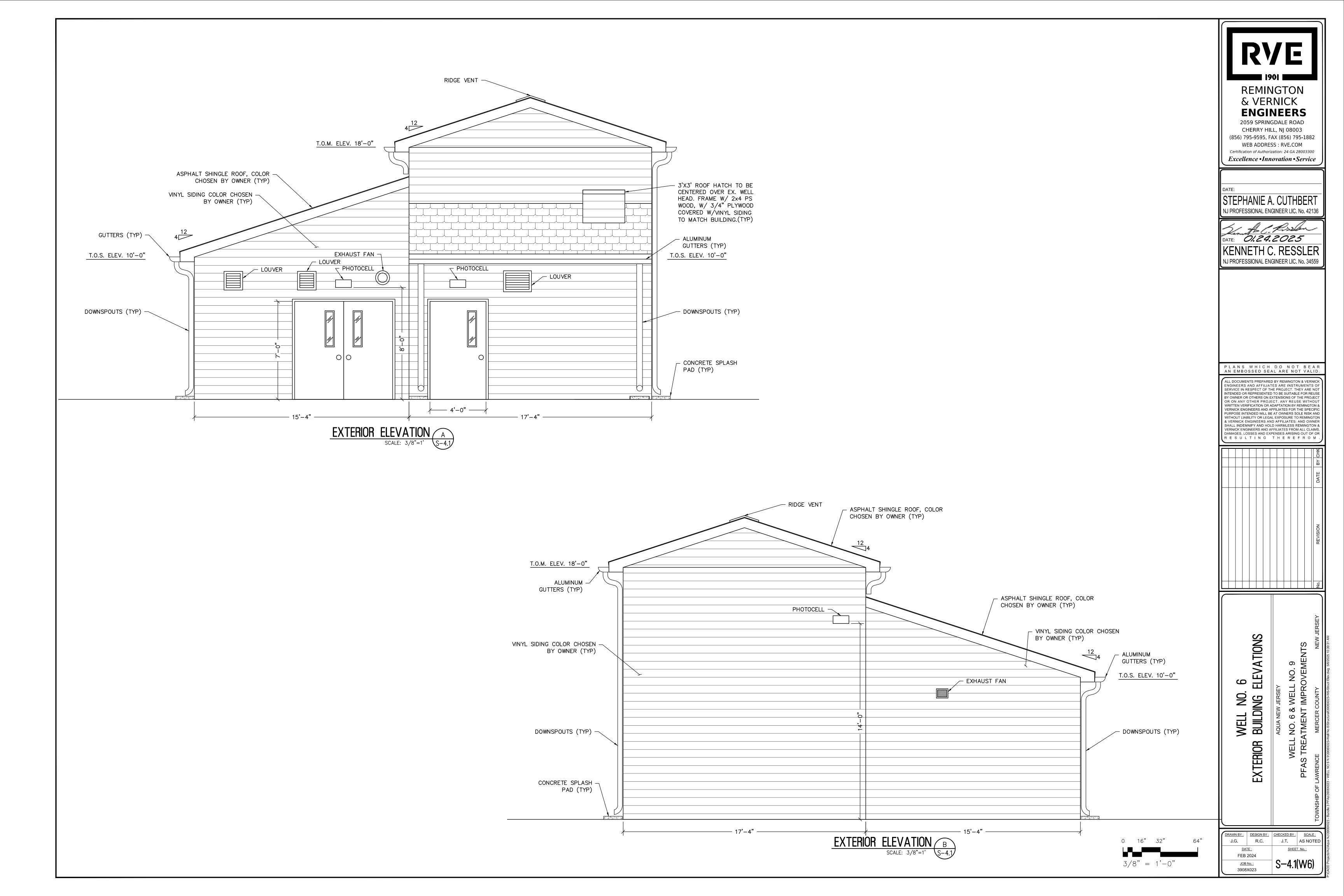
PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

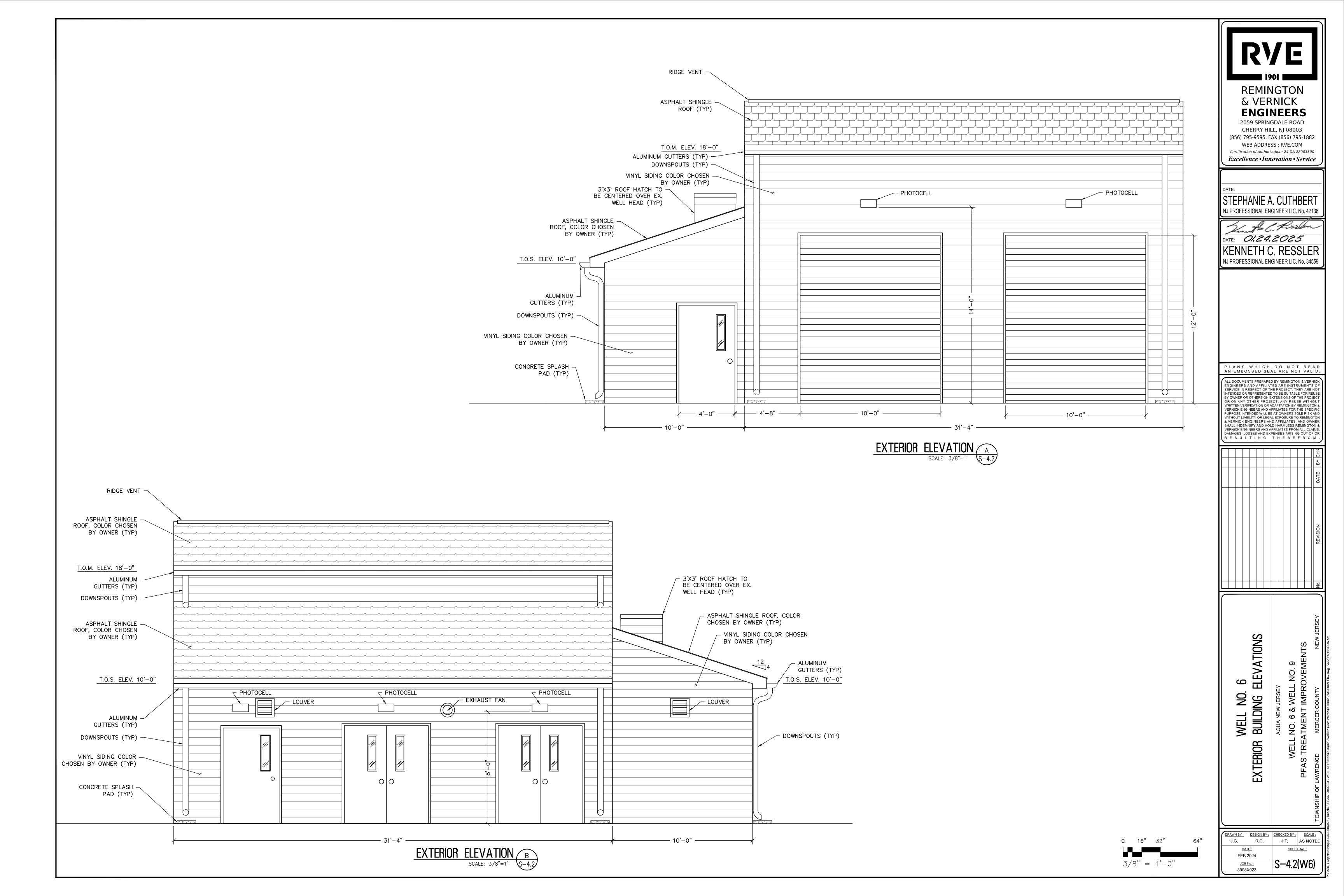
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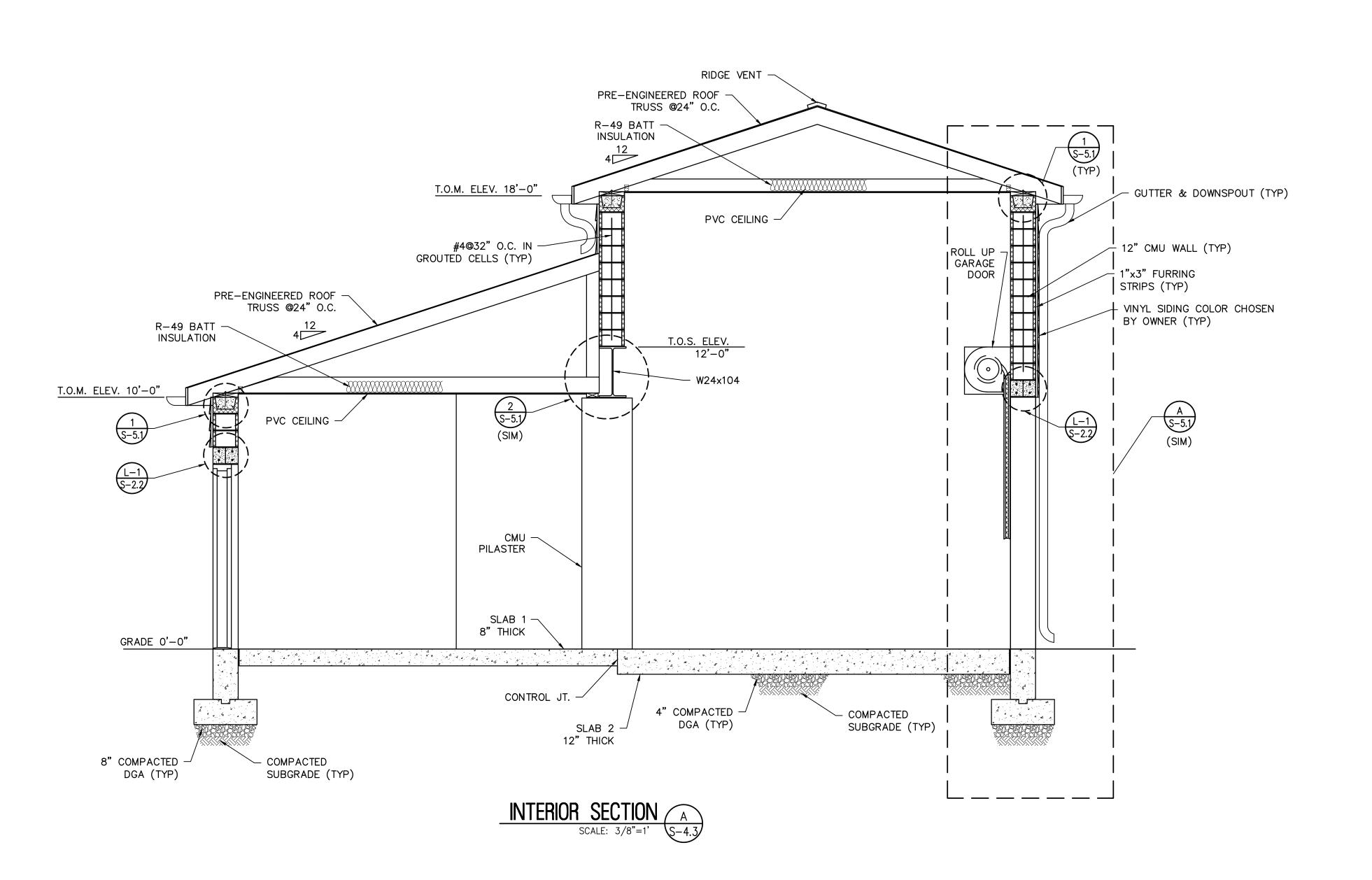
AQUA NEW JERSEY
WELL NO. 6 & WELL NO. 9
AS TREATMENT IMPROVEMENTS

DRAWN BY: DESIGN BY: CHECKED BY: SCALE: J.T. AS NOTED SHEET No.: FEB 2024 S-3.1(W6) JOB No.: 3908X023

3/8" = 1'-0"









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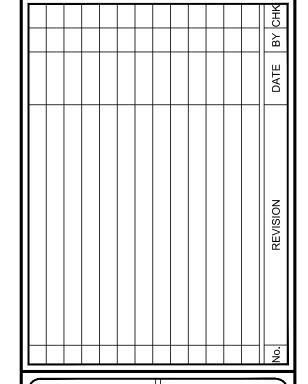
STEPHANIE A. CUTHBERT NJ PROFESSIONAL ENGINEER LIC. No. 42136

Den & C. Rossen DATE: 01.24.2025

KENNETH C. RESSLER NJ PROFESSIONAL ENGINEER LIC. No. 34559

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SECTION

Y
L NO. 9
LL NO. 9

WELL NO. 6
INTERIOR BUILDING SECTION

AQUA NEW JERSEY

WELL NO. 6 & WELL NO. 9

DRAWN BY: DESIGN BY: CHECKED BY: SCALE:

J.G. R.C. J.T. AS NOTED

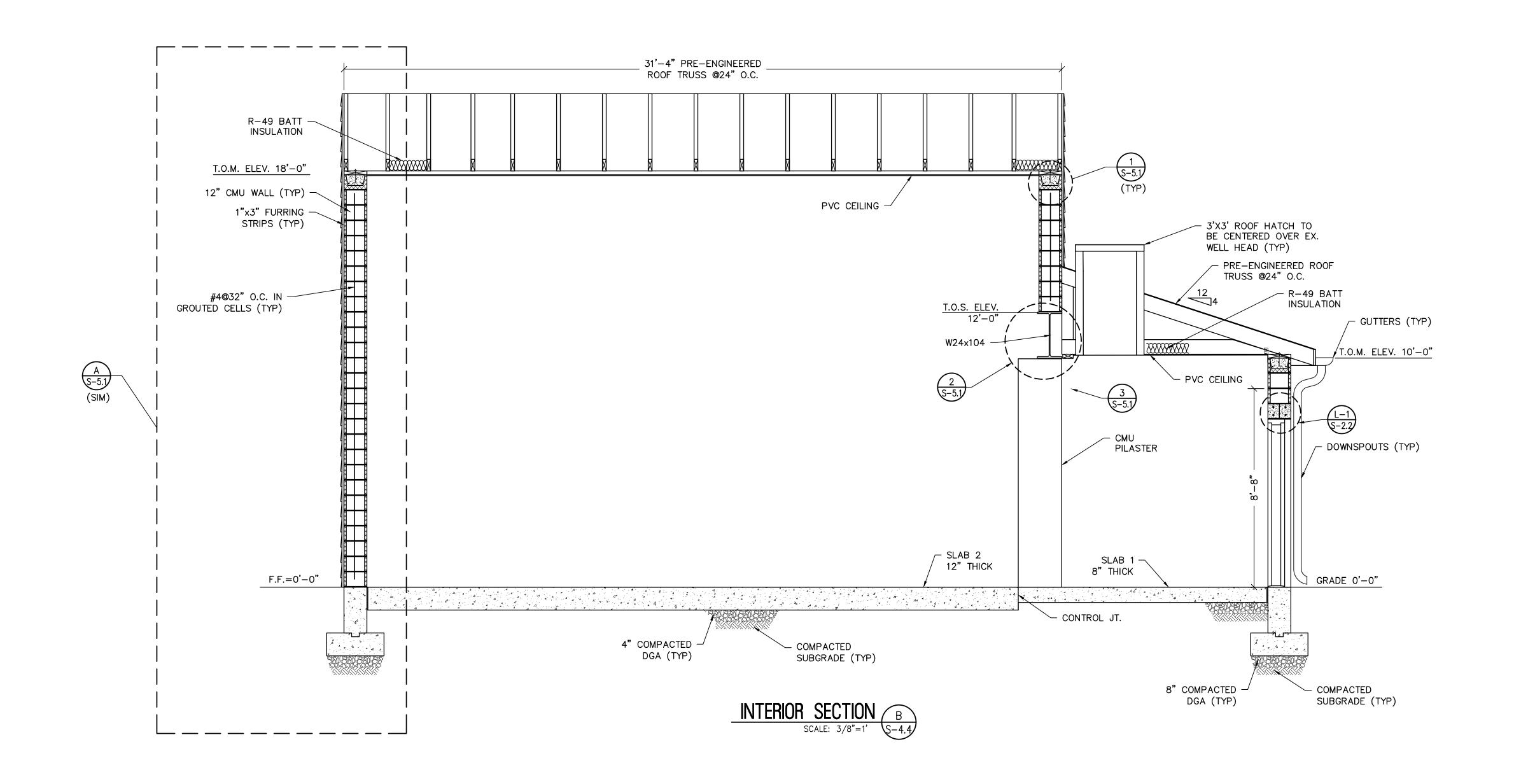
DATE: SHEET No.:

S-4.3(W6)

FEB 2024

JOB No. : 3908X023

0 16" 32" 64" 3/8" = 1'-0"





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A C. Rissin

DATE: OI. 24. 2025

KENNETH C. RESSLER

NJ PROFESSIONAL ENGINEER LIC. No. 34559

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REVISION DATE BY CHK

WELL NO. 6
INTERIOR BUILDING SECTION
AQUA NEW JERSEY

AQUA NEW JERSEY WELL NO. 6 & WELI PFAS TREATMENT IMPR

 DRAWN BY:
 DESIGN BY:
 CHECKED BY:
 SCALE:

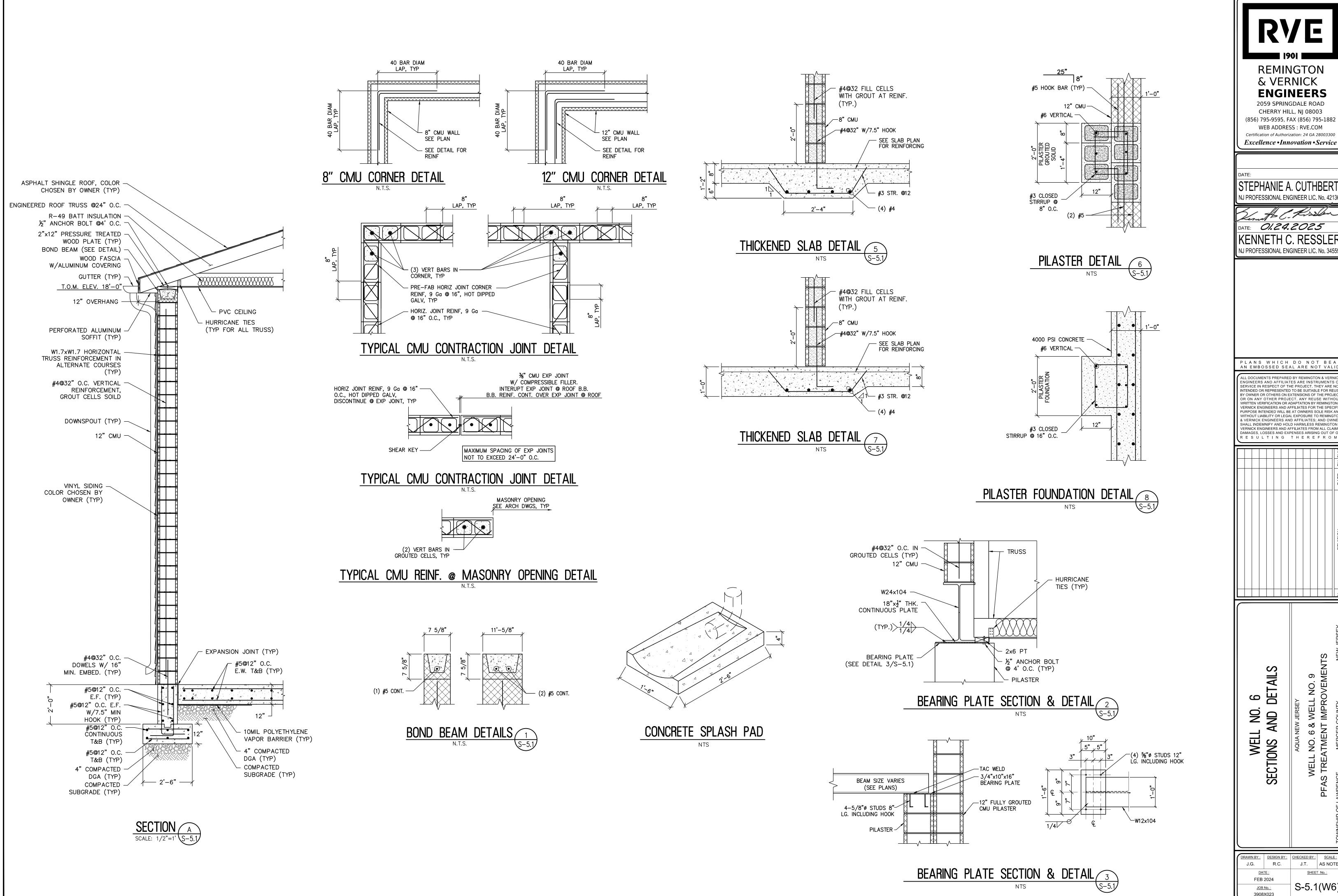
 J.G.
 R.C.
 J.T.
 AS NOTED

 DATE:
 SHEET No.:

 FEB 2024
 S—4.4(W6)

0 16" 32"

3/8" = 1'-0"



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. 6 Details I NO.

WELL NO. 6 & WELL NO. 9 PFAS TREATMENT IMPROVEMENTS

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