

GENERAL NOTES:	CIVIL NOTES:	no. date by ckd descriptio
1. THE PROJECT SITE IS OWNED BY ENVIRONMENTAL PROPERTIES MANAGEMENT, LLC. ADDRESS: 100 NORTH HIGHWAY 74, GUTHRIE, OK 73044,	1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.	A 08/22/22 MRC JRH ISSUED FOR
 PHONE: 405-642-5152. 2. THE PROJECT ENGINEER AND CONTRACTOR IS BURNS & MCDONNELL ENGINEERING COMPANY, INC. ADDRESS: 9400 WARD PARKWAY, KANSAS CITY, MO 64114, PHONE: 816-333-9400. 	2. PRIOR TO FILL MATERIAL PROCUREMENT, SUBCONTRACTOR SHALL SUBMIT TO CONTRACTOR DOCUMENTATION DEMONSTRATING ALL IMPORTED FILL MATERIAL IS CLEAN (NOT CONTAMINATED) AND SUITABLE FOR USE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS, AND	PRELIMINARY I
 THE SUBCONTRACTOR SHALL COORDINATE ACCESS DURING CONSTRUCTION WITH CONTRACTOR, OWNER AND ADJACENT PROPERTY OWNERS. TRAFFIC MANAGEMENT SHALL BE SUBJECT TO CONTRACTOR'S APPROVAL. 	PROJECT SPECIFICATIONS. 3. SUBCONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITIONS. TREES SPECIFIED FOR REMOVAL SHALL NOT BE REPLACED.	
4. THE LOCATIONS OF UTILITIES SHOWN HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION. THEREFORE, THE RELATIONSHIP BETWEEN PROPOSED WORK AND EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE.	 SUBCONTRACTOR SHALL PROTECT THE WORK AREAS WITH APPROPRIATE FENCING, BARRICADES, AND SIGNAGE. 	
5. THE HORIZONTAL AND VERTICAL LOCATING OF ALL EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND LOCATING ALL UTILITIES IN THE PATH OF AND ADJACENT TO THE PROPOSED WORK. PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE SUBCONTRACTOR SHALL CALL OKLAHOMA ONE CALL AT OKIE811 OR 1-800-522-OKIE WITH SUITABLE NOTICE FOR THEIR LOCATING AND MARKING OF PUBLIC UTILITIES.	5. ALL WORK SHALL BE DONE TO THE LINES, SLOPES, THICKNESS, AND GRADES INDICATED IN THE CONTRACT DRAWINGS. ALL ESTABLISHED MONUMENTS, BENCHMARKS, REFERENCE POINTS, STAKES, AND OTHER CENTRAL POINTS SHALL BE PRESERVED BY THE SUBCONTRACTOR. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR IN WRITING OF BENCHMARKS, REFERENCE LINES, OR OTHER CONTROL POINTS WHICH MAY HAVE BEEN DISTURBED OR WHICH APPEAR TO BE OFF LINE OR GRADE.	
 SUBCONTRACTOR SHALL NOTIFY OWNER 48 HOURS IN ADVANCE OF ONE CALL NOTIFICATION. THE SITE IS GENERALLY NOT OCCUPIED. 6. THE CONSTRUCTION DRAWINGS REPRESENT THE FINISHED WORK. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION. SUBCONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS, AND TOOLS NECESSARY TO COMPLETELY PERFORM THE WORK IN A SAFE, EXPEDITIOUS, AND PROFESSIONAL WORKMANLIKE MANNER. SUBCONTRACTOR SHALL 	6. DISTURBED AREAS SHALL BE SEEDED, FERTILIZED, AND STABILIZED (WITH VEGETATIVE MULCH) IN ACCORDANCE WITH THE ODOT COMMISSION SPECIFICATIONS. SEED MIXTURE SHALL BE IN ACCORDANCE WITH TABLE 735.1 OF THE ODOT COMMISSION CHAPTER 735. SUBMIT SEED MIXTURE TO CONTRACTOR FOR APPROVAL PRIOR TO APPLICATION. DISTURBED AREAS SHALL HAVE ESTABLISHED 90% VEGETATION COVERAGE TO BE ACCEPTABLE.	
COORDINATE SCHEDULE OF THE WORK WITH THE OWNER AND CONTRACTOR. SUBCONTRACTOR SHALL INSTALL EQUIPMENT AND MATERIALS	ACCESS ROAD NOTES	
PER MANUFACTURER'S RECOMMENDATIONS UNLESS NOTED OTHERWISE. THE SUBCONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR PROPER HANDLING AND INSTALLATION OF EQUIPMENT AND MATERIALS. 7. SUBCONTRACTOR SHALL UNDERTAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND		
ADJACENT TO THE SITE. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLAIMS RESULTING FROM HIS/HER ACTIONS AND ACTIVITIES. VISITS TO THE SITE BY OWNER AND CONTRACTOR SHALL NOT RELIEVE THE SUBCONTRACTOR OF SUCH RESPONSIBILITY.	2. THE GEOTEXTILE SHALL BE LAID IN THE DIRECTION OF CONSTRUCTION TRAFFIC AND PER MANUFACTURER'S RECOMMENDATIONS. GEOTEXTILE PANELS SHOULD BE OVERLAPPED BOTH SIDE-TO-SIDE AND END-TO-END. OVERLAP SHALL BE PER MANUFACTURER'S SPECIFICATIONS OR A	
THE SUBCONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR EQUIPMENT, MATERIALS, AND TOOLS THROUGH PROJECT COMPLETION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER SAFEGUARDING OF THE INSTALLATION AND MATERIALS/EQUIPMENT STORED ON THE SITE TO PREVENT THEFT, VANDALISM, OR DAMAGE. SUBCONTRACTOR SHALL STORE EQUIPMENT, MATERIALS, AND TOOLS IN	MINIMUM OF 18-INCHES, WHICHEVER IS GREATER. 3. THE FIRST FIVE FEET OF PLACED GEOTEXTILE ON EACH LATERAL ADJACENT TO THE ACCESS ROAD SHALL BE CUT AND LAID AS A SEPARATE SECTION.	
A SECURE LOCATION (ON OR OFF-SITE). 9. SUBCONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE OF THE PROJECT LIMITS UNLESS APPROVED IN ADVANCE BY THE CONTRACTOR. 10. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPROPRIATE LICENSES AND TRADE PERMITS REQUIRED TO PERFORM THE	4. SOIL, ROCKS, OR PINS APPROVED BY ENGINEER CAN BE USED TO HOLD FABRIC EDGES AND OVERLAPS DOWN UNTIL THE AGGREGATE IS PLACED TO PREVENT IT FROM LIFTING DURING PLACEMENT OF THE FIRST AGGREGATE LIFT. ON CURVES, THE GEOTEXTILE MAY BE FOLDED OR CUT TO CONFORM TO THE CURVE.	
WORK. SUBCONTRACTOR SHALL PROVIDE CERTIFICATES OF INSURANCE AND OTHER DOCUMENTATION REQUIRED BY JURISDICTIONAL AGENCIES BEFORE PERFORMING THE WORK.	 THE INITIAL LIFT OF AGGREGATE SHALL BE PLACED, SPREAD AND COMPACTED ON THE GEOTEXTILE FABRIC IN A 6-INCH LIFT. DO NOT OPERATE EQUIPMENT DIRECTLY ON GEOTEXTILE FABRIC. 	
11. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA REQUIREMENTS AND THE CIMARRON ENVIRONMENTAL RESPONSE TRUST SITE-SPECIFIC HEALTH & SAFETY PLAN (BURNS AND MCDONNELL).	6. TO THE EXTENT POSSIBLE IN THE FLOODPLAIN (WAA), MAINTAIN EXISTING DRAINAGE PATTERNS WITH ROAD CONSTRUCTION AND GRADING WHILE PROVIDING POSITIVE DRAINAGE OF ROADS. SPOIL EXCESS MATERIAL ON EITHER SIDE OF NEW ROAD AND TAPER TO EXISTING GRADE WHERE	
12. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.	POSSIBLE TO MAINTAIN DRAINAGE, OR SPOIL EXCESS MATERIAL IN THE AREA INDICATED ON THE DRAWINGS, OR AS APPROVED BY THE CONTRACTOR, AND RESTORE IN ACCORDANCE WITH NOTES ABOVE.	
13. THESE NOTES AND OTHER DRAWING NOTES CONTAINED HEREWITH ARE PROVIDED TO MEET SPECIFIC REQUIREMENTS AND TO SUPPLEMENT THE CONTRACT DOCUMENTS. THESE NOTES NEITHER REPLACE NOR OVERRIDE THE PROVISIONS AND REQUIREMENTS OF THE CONTRACT	COORDINATION AND COMMUNICATION:	
DOCUMENTS. 14. THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH ANY SHOP DRAWINGS PROVIDED BY SUPPLIERS. ALL SHOP DRAWINGS PROVIDED BY OTHERS SHALL BE SUBMITTED TO THE CONTRACTOR FOR REVIEW PRIOR TO THE FABRICATION OF MATERIAL OR THE PURCHASE OF NON-RETURNABLE STOCK. DIMENSIONAL REVIEW IS THE SUBCONTRACTOR'S RESPONSIBILITY. 5. UNKNOWN SITUATIONS OR CONDITIONS NOT COVERED IN THE CONTRACT DOCUMENTS MAY ARISE DURING CONSTRUCTION. IT IS THE	 SUBCONTRACTOR SHALL APPOINT A PRIMARY CONSTRUCTION SUPERINTENDENT, SUBJECT TO THE APPROVAL OF THE CONTRACTOR AND OWNER, WHO SHALL BE PRESENT ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS AND ACCESSIBLE AT ALL TIMES WHILE WORK IS IN PROGRESS. WHEN THE SUBCONTRACTOR'S PRIMARY CONSTRUCTION SUPERINTENDENT IS NOT AVAILABLE ON THE CONSTRUCTION SITE, AN ALTERNATE REPRESENTATIVE SHALL BE PROVIDED. SUBCONTRACTOR SHALL PROVIDE NAMES AND CONTACT INFORMATION OF REPRESENTATIVES TO THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. IN ACCORDANCE WITH SNM-928. 	
RESPONSIBILITY OF THE SUBCONTRACTOR TO NOTIFY THE CONTRACTOR IF SUCH A CONDITION IS IDENTIFIED. THE PRESENCE OF OWNER, CONTRACTOR, OR THE MANUFACTURER'S REPRESENTATIVE AT THE PROJECT SITE DOES NOT RELIEVE THE SUBCONTRACTOR OF THE RESPONSIBILITY FOR A PROPER INSTALLATION.	SUBCONTRACTORS ARE PROHIBITED FROM ACCESSING THE SITE UNLESS SPECIFICALLY DESIGNATED CONTRACTOR OR OWNER PERSONNEL ARE PRESENT.	
16. ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS SHALL BE VERIFIED IN THE FIELD BY THE SUBCONTRACTOR AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE AFFECTED PART OF WORK.	 SUBCONTRACTOR IS RESPONSIBLE FOR SUBMITTING ALL PRELIMINARY AND UPDATED CONSTRUCTION PROGRESS SCHEDULES, PROCUREMENT SCHEDULES, SCHEDULE OF SUBMITTALS AND SCHEDULE OF VALUES WITH INPUT AND COMMITMENTS FROM SUBCONTRACTORS AND SUPPLIERS. 	
17. ALL WORK SHOWN IS IN APPROXIMATE LOCATIONS. THE SUBCONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS BEFORE SUBMITTING HIS/HER BID.	 CONTRACTOR WILL SCHEDULE AND CONDUCT DAILY SAFETY MEETINGS AND WEEKLY PROGRESS MEETINGS. SUBCONTRACTOR SHALL BE PREPARED TO DISCUSS CURRENT CONSTRUCTION PROGRESS AND ANY ANTICIPATED FUTURE CHANGES TO SCHEDULE. 	
18. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR: 1) PROVIDING POTABLE WATER AND TEMPORARY SANITARY FACILITIES FOR SUBCONTRACTOR'S PERSONNEL, 2) FURNISH, INSTALL, AND MAINTAIN TEMPORARY UTILITIES FOR ADEQUATE CONSTRUCTION, SAFETY, AND SECURITY, 3) MODIFY, RELOCATE, AND EXTEND SYSTEMS AS WORK PROGRESSES, REPAIR DAMAGE CAUSED BY INSTALLATION OR USE OF	 THE SUBCONTRACTOR SHALL COORDINATE ACCESS DURING CONSTRUCTION WITH CONTRACTOR, OWNER, AND ADJACENT SITE PROPERTY OWNERS. 	PRELIMINARY - NO
TEMPORARY FACILITIES, AND 4) REMOVE TEMPORARY FACILITIES ON COMPLETION OF WORK OR UNTIL SERVICE OR FACILITIES ARE NO LONGER NEEDED OR ARE REPLACED BY AUTHORIZED USE OF COMPLETED PERMANENT FACILITIES.	CONSTRUCTION LAYOUT AND SURVEYING NOTES: 1. SUBCONTRACTOR SHALL PROVIDE NEATLY RED MARKED DRAWINGS IDENTIFYING ANY MODIFICATIONS TO THE CONTRACT DOCUMENTS AND	
19. THE SUBCONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A STAGING AREA FOR MATERIALS AND EQUIPMENT. SUBCONTRACTOR'S STAGING AREA SHALL BE APPROVED BY CONTRACTOR OR OWNER. SUBCONTRACTOR'S STAGING AREA IS SUBJECT TO CHANGE AT THE DIRECTION OF CONTRACTOR OR OWNER AND MAY CHANGE BASED ON OPERATIONAL REQUIREMENTS OF THE PROJECT SITE.	INDICATING CONFORMANCE TO CONSTRUCTION RECORD CONDITIONS TO THE CONTRACTOR UPON COMPLETION OF THE WORK. 2. THE CONTRACTOR SHALL REVIEW COMPLETENESS, ACCURACY, AND FORMAT OF SUBMITTED RECORD DRAWINGS. IF THE RECORD DRAWINGS ARE CONSIDERED UNACCEPTABLE, THEY SHALL BE RETURNED TO THE SUBCONTRACTOR FOR CORRECTION AND RESUBMITTED AT	
20. REQUESTS FOR INFORMATION (RFIs) SHALL INCLUDE A DETAILED, LEGIBLE DESCRIPTION OF THE ITEM NEEDING INTERPRETATION. CONTRACTOR WILL REVIEW EACH RFI, DETERMINE ACTION REQUIRED, AND ISSUE A RESPONSE TO SUBCONTRACTOR.	SUBCONTRACTOR'S EXPENSE. 3. SUBCONTRACTOR SHALL MAKE AVAILABLE ALL SURVEYS IN AUTOCAD 2018 (OR NEWER) FORMAT AND SHALL PROVIDE SURVEY POINTS IN .CSV	9400 WARD PARKWAY KANSAS CITY, MO 64114 816-333-9400
21. SUBMITTALS SHALL BE APPROVED BY CONTRACTOR PRIOR TO THE INSTALLATION OF PRODUCTS ON-SITE. SUBCONTRACTOR'S INSTALLATION OF UNAPPROVED PRODUCTS IS AT SUBCONTRACTOR'S RISK AND COST.	FILE FORMAT. 4. CONTRACTOR MAY DIRECT SUBCONTRACTOR TO ALTER THE ALIGNMENTS, LENGTHS, AND DEPTHS OF INJECTION AND EXTRACTION TRENCHES	OKLAHOMA FIRM LICENSEE NO. 42 date detailed SEPTEMBER 2022 M. CARLI
22. SUBCONTRACTOR SHALL MIX CLEAN INJECTION TRENCH SPOILS WITH 1206 SPOILS UNTIL HOMOGENEOUS AND PLACE IN 12" LIFTS. SUBCONTRACTOR SHALL ALSO MIX CLEAN INJECTION TRENCH SPOILS WITH GETR-WU-02 SPOILS UNTIL HOMOGENOUS AND PLACE IN 12" LIFTS, RADIOLOGICAL TESTING WILL BE COMPLETED BY OTHERS AND IS SUBJECT TO APPROVAL BEFORE PROCEEDING TO THE NEXT LIFT.	BASED ON FIELD OBSERVATION. 5. TOPOGRAPHY FEATURES AND AERIAL IMAGERY SHOWN ARE FROM A GROUND SURVEY DATED JULY 2014, AND AN AERIAL SURVEY DATED MAY 2014. TOPOGRAPHY UPDATED WITH GROUND SURVEY PERFORMED NOVEMBER 11, 2016 WITHIN BOUNDARIES INDICATED ON C001.	designed B. WEIS J. HESEMA
CONTRACTOR TO OBSERVE AND PROVIDE GUIDANCE. 23. IF ANY DISCREPANCIES ARE NOTED BETWEEN THESE CONSTRUCTION DOCUMENTS AND INFORMATION PROVIDED OR AN ERROR IS SUSPECTED, IT SHALL BE IMMEDIATELY REPORTED TO THE CONTRACTOR AND THE PROJECT MANAGER.		
 ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED PRIOR TO THE START OF CONSTRUCTION. ALL CONSTRUCTION ACTIVITY, INCLUDING OPERATION OF HEAVY MACHINERY, EXCAVATION, FILLING, GRADING, CLEARING OF VEGETATION, DISPOSAL OF WASTE, AND STOCKPILING OF MATERIAL MUST TAKE PLACE WITHIN THE APPROVED WORK AREA AS AGREED UPON BY CONTRACTOR. 		1
26. AT A MINIMUM, THE SUBCONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL CONSTRUCTION ACCESS ROADS AND WORK AREAS DURING CONSTRUCTION OF THE PROJECT IN ORDER TO MAINTAIN SAFE AND OPERABLE WORK CONDITIONS.		Cimarron Enviornmental Response T
27. NOISE IMPACTS FROM CONSTRUCTION SHALL BE MINIMIZED AND MITIGATED TO THE EXTENT POSSIBLE. SUBCONTRACTOR SHALL MAINTAIN ALL EQUIPMENT IN GOOD OPERATING CONDITIONS AND ALL MOTORS AND ENGINES WILL BE MUFFLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND WILL COMPLY WITH STATE ENVIRONMENTAL LAW.		GENERAL NOTES
28. FUGITIVE DUST RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE BY IMPLEMENTING APPROPRIATE CONTROL MEASURES. DUST SHALL BE ELIMINATED FROM STOCKPILED SOILS, UNPAVED ROADS, ETC. BY THE APPLICATION OF WATER OR STONE, RESPECTIVELY, AS NECESSARY. A WATERING VEHICLE SHALL BE AVAILABLE FOR THE DURATION OF PROJECT ACTIVITIES, AND THROUGHOUT RESTORATION.		project contract 142089 - drawing rev. BMCD-GWREMED-G001 -
29. ALL INJECTION SUPPLY PIPE BENDS SHALL BE SWEEP FITTINGS.		sheet of sheet

OSION CONTROL NOTES:	LEGEND		ABBREVIATIO	NS:			no. date by ckd description
SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL MEASURES REQUIRED AND AS A RESULT OF SUBCONTRACTOR'S ACTIVITIES. EROSION CONTROL MEASURES SHALL BE		UTILITY TRENCH ALIGNMENT (APPLIES TO C002 ONLY)	APPROX.	APPROXIMATE	SWPPP	STORMWATER POLLUTION	A 09/01/22 BCW RTB ISSUED FOR PRELIMINARY
INSTALLED PRIOR TO COMMENCING CONSTRUCTION AT THE SITE.	c	BURIED COMMUNICATION	BA1	BURIAL AREA 1		PREVENTION PLAN	
CONTRACTOR WILL PROVIDE THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO SUBCONTRACTOR . SUBCONTRACTOR SHALL REVIEW SWPPP PRIOR TO PREPARING AND SUBMITTING A BID.		CONDUIT/ CABLE BURIED INSTRUMENTATION	BLDG.	BUILDING	TYP.	TYPICAL	
SUBCONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY, OWNER, OR	<u> </u>	CONDUIT/ CABLE	BMPs	BEST MANAGEMENT PRACTICES	UP	URANIUM POND	
CONTRACTOR. ADDITIONAL CONTROLS SHALL BE IMPLEMENTED AS DICTATED BY THE SITE CONDITIONS AT SUBCONTRACTOR'S EXPENSE THROUGHOUT ALL PHASES OF THE CONTRACT WORK. NOTIFY CONTRACTOR OF ANY	FOFO	BURIED FIBER OPTIC CONDUIT/ CABLE	0		U	URANIUM	
DISTURBANCES THAT ARE BEYOND THE PLANNED LIMITS OF CONSTRUCTION ACTIVITIES.		BURIED ELECTRICAL	L	CENTER LINE	VNSFS	VEOLIA NUCLEAR SOLUTIONS	
ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. SUBCONTRACTOR SHALL REMOVE EROSION CONTROL FEATURES AT THE COMPLETION OF THE CONTRACT WORK IF SAID		CONDUIT/ CABLE	CMP.	CORRUGATED METAL PIPE		FEDERAL SERVICES	
FEATURES ARE NOT BIODEGRADABLE. REMOVAL SHALL NOT OCCUR UNTIL VEGETATION OR PERMANENT CONTROL MEASURES HAVE BEEN ESTABLISHED.	ET ET	GROUNDWATER EXTRACTION TRENCH	CP.	CONTROL POINT	WA	WESTERN AREA	
SUBCONTRACTOR SHALL MINIMIZE CLEARING TO THE EXTENT PRACTICAL.	GW GW	BURIED GROUNDWATER EXTRACTION PIPE	CPP	CONTROL PANEL POWER	WATF	WESTERN AREA TREATMENT	
ADDITIONAL EROSION CONTROL MEASURES SHALL BE DEPLOYED DURING EXCAVATION ACTIVITIES CONDUCTED WITHIN	IS IS	BURIED INJECTION	DIA.	DIAMETER		FACILITY	
THE BOUNDARIES OF FORMER URANIUM POND 1 AND 2 LIMITS, AS DETAILED ON THESE CONSTRUCTION DRAWINGS. POTENTIALLY IMPACTED SOIL REMOVED FROM THESE AREAS (DEFINED AS MATERIAL REMOVED FROM 6 FEET BELOW		WATER SUPPLY PIPE	DWG.	DRAWING	WU .	WESTERN UPLAND	
GROUND SURFACE AND ABOVE SANDSTONE A FOR URANIUM POND 1 AND 5 FEET BELOW GROUND SURFACE AND ABOVE SANDSTONE A FOR URANIUM POND 2) SHALL BE SEGREGATED FROM CLEAN SOIL AND STAGED WITH BMPs TO PREVENT					WAA	WESTERN ALLUVIAL AREA	
SEDIMENT MIGRATION. ADDITIONAL BMPS SHALL BE DEPLOYED TO PREVENT STORM WATER RUN-OFF AND POTENTIALLY IMPACTED SOILS FROM ENTERING AND ACCUMULATING IN THE TRENCHES. SOIL MATERIAL ENTERING AND ACCUMULATING	W	WATER SUPPLY LNE	E.	EAST	Y	YARD	
IN THE TRENCH SHALL BE REMOVED AND HANDLED AS POTENTIALLY IMPACTED MATERIAL. POTENTIALLY IMPACTED SOIL REMOVED SHALL BE PLACED BACK IN THE TRENCH AND BELOW THE MINIMUM IMPACTED MATERIAL DEPTH AS FOLLOWS:	£	PROPERTY LNE	EL.	ELEVATION			
S.1. GWI-UP1-03 AND GWI-UP1-04: POTENTIALLY IMPACTED SOIL IS DEFINED AS SOIL MATERIAL WITHIN THE FORMER		EASEMENT	EQ	EQUAL			
URANIUM POND 1 LIMITS BELOW 6 FEET BELOW GROUND SURFACE AND ABOVE GRAVEL FILTER FABRIC. 5.2. GWI-UP2-01: POTENTIALLY IMPACTED SOIL IS DEFINED AS SOIL MATERIAL WITHIN THE FORMER URANIUM POND 2 LIMITS		BURIED WATER DISCHARGE PIPE	E.W.	EACH WAY			
BELOW 5 FEET BELOW GROUND SURFACE AND ABOVE GRAVEL FILTER FABRIC.			EX. OR EXIST.	EXISTING			
ALL LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH EROSION AND SEDIMENT CONTROL BEST	936	EXISTING SURFACE ELEVATION CONTOUR	FT.	FEET			
MANAGEMENT PRACTICES AND STANDARDS. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE INSTALLED AS SHOWN ON THE APPROVED PLAN AND THE SWPPP.	026	PROPOSED SURFACE					
SITE DRAINAGE PATTERNS, INCLUDING THE PROJECT SITE AND ADJACENT PROPERTIES SHALL BE MAINTAINED	930	ELEVATION CONTOUR	GE	GROUNDWATER EXTRACTION			
THROUGHOUT THE CONSTRUCTION PERIOD UNLESS OTHERWISE APPROVED BY THE CONTRACTOR. THE SUBCONTRACTOR SHALL MAINTAIN ALL SEDIMENTATION CONTROL DEVICES AND TAKE ANY PRECAUTIONARY		EXISTING FENCE	GETR	GROUNDWATER EXTRACTION TRE	NCH		
MEASURES TO ENSURE THAT SEDIMENT DOES NOT ENTER ANY NATURAL STREAM CHANNEL LOCATED WITHIN THE SITE.		PROPOSED FENCE	GWI	GROUNDWATER INJECTION			
GROUND COVER REQUIREMENTS SHALL BE FOLLOWED IN ADDITION TO STANDARD EROSION CONTROL REQUIREMENTS. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF VEGETATION ON ALL DISTURBED AREAS AND MEETING ALL FINAL STABILIZATION REQUIREMENTS.		EXISTING CHANNEL	HDPE	HIGH DENSITY POLYETHLYENE			
ASTE MANAGEMENT NOTES:	· · · · · ·	PROPOSED CHANNEL	INC.	INCORPORATED			
SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, MANAGEMENT, LOADING, AND STORAGE OF WASTE MATERIALS ON-SITE, AND DISPOSAL OFF-SITE. WASTE MATERIALS INCLUDE:	LOCAR RECYCL RANGER MATLE	FUTURE OUTFALL LINE, BY OTHERS	INJ.	INJECTION			
A. WASTE AND CONSTRUCTION AND DEMOLITION DEBRIS.		EDGE OF PROPOSED	LAT	LATERAL			
B. WASH WATER ASSOCIATED WITH CONCRETE TRUCKS, VEHICLE CLEANING, AND EQUIPMENT CLEANING. C. SUBCONTRACTOR SHALL NOT REMOVE WASTE MATERIALS FROM THE SITE WITHOUT OBTAINING WRITTEN		ACCESS ROAD AND LATERALS	MAX.	MAXIMUM			
APPROVAL FROM OWNER AND CONTRACTOR. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORTATION, DISPOSAL, AND OBTAINING HAULING AND DISPOSAL		CLEARING LIMITS	MIN.	MINIMUM			
PERMITS. SUBCONTRACTOR SHALL DISPOSE OF WASTE MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL		ACCESS ROAD C WITH STATION MARKS	MISC.	MISCELLANEOUS			PRELIMINARY - N
REGULATIONS. TREES AND BRUSH GENERATED DURING CLEARING AND GRUBBING ACTIVITIES SHALL BE STOCKPILED IN		STRAW WATTLE	N.	NORTH			FOR CONSTRUCT
OWNER-APPROVED AREAS AND REMOVED FROM THE SITE.		EROSION CONTROL BLANKET	O.C.	OFF CENTER			♦ BURNS
THE SUBCONTRACTOR SHALL REMOVE FROM THE SITE THOSE MATERIALS NOT INDICATED TO BE SALVAGED. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE SUBCONTRACTOR WHO SHALL LEGALLY DISPOSE OF THEM.			0.D.	OUTSIDE DIAMETER			MEDONNELL
SUBCONTRACTOR SHALL NOT REMOVE WASTE MATERIALS FROM THE SITE WITHOUT OBTAINING WRITTEN APPROVAL FROM	() ()	EXTRACTION TRENCH SUMP	ODOT	OKLAHOMA DEPARTMENT OF			9400 WARD PARKWAY KANSAS CITY, MO 64114
OWNER AND CONTRACTOR.	₽	INJECTION WELL		TRANSPORTATION			KANSAS CITY, MO 64114 816-333-9400 OKLAHOMA FIRM LICENSEE NO. 4
	Ψ \$	EXISTING MONITOR WELL	OG&E	OKLAHOMA GAS & ELECTRIC			date detailed
	Ð	PROPOSED CLEANOUT (ARROW INDICATES	OSHA	OCCUPATIONAL SAFETY HEALTH ADMINISTRATION			SEPTEMBER 2022 T. COLL designed checked B. WEIS R. BETTM
		DIRECTION OF CLEANOUT)	OZ.	OUNCE			
			PSI	POUNDS PER SQUARE INCH			
							4
			PVC	POLYVINYL CHLORIDE			
			R	RADIUS			
			RFI	REQUEST FOR INFORMATION			Cimerron Environment I Days
			RTU	REMOTE TELEMETRY UNIT			Cimarron Enviornmental Response NOTES, LEGEND AND
			SP	SPACED			ABBREVIATIONS
			S.Q	SQUARE			project contract 142089
							drawing rev
			ST.	STREET			BMCD-GWREMED-G002

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	3 4 5	6 7 8 9 PIPING AND VALVE SYMBOLS	10 11 12 13 GENERAL NOTES	
ABBREVIATIO	GENERAL AG ABOVEGROUND BA1 BURIAL AREA #1	D CONCENTRIC REDUCER	GENERAL NOTES 1. LEGEND IS GENERAL IN NATURE AND MAY INDICATE MORE INFORMATION THAN IS APPLICABLE TO PROJECT. SEE PROJECT PLANS FOR SPECIFIC NOTES, SPECIFICATIONS, SYMBOLS, AND ABBREVIATIONS.	no. date by ckd description A 10/04/21 AA ED ISSUED FOR PRELIMINARY DESIG
C COMPRESSOR CV CHECK VALVE EJ EXPANSION JOINT, FLEXIBLE CONNECTOR FAN FAN OR LOW PRESSURE BLOWER FOT/B FLAT ON TOP/BOTTOM HB HOSE BIBB MP METERING PUMP MOV MOTOR OPERATED VALVE MXR MIXER NOZ NOZZLE	COMM COMMUNICATION CPP CONTROL POWER PANEL FC FAIL CLOSED FO FAIL OPEN FOP FIBER OPTIC FL FAIL LAST POSITION GAL GALLON HOA HAND / OFF / AUTO INSTR INSTRUMENT LSH LEVEL SWITCH HIGH	Image: GLOBE VALVE + UNION Image: GLOBE VALVE ↓ REMOVABLE CAP Image: GLOBE VALVE = FLANGE Image: GLOBE VALVE ↓ BAG FILTER	 MECHANICAL EQUIPMENT AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, CONTRACT DOCUMENTS, INTERNATIONAL MECHANICAL AND PLUMBING CODES, AND APPLICABLE CODES AND REGULATIONS. ALL MECHANICAL EQUIPMENT SHALL BE LOCATED FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, CONTROLS, AND VALVING. 	
P PUMP PI PRESSURE INDICATOR PT PRESSURE TRANSMITTER QCU QUICK CONNECT UNIT REC RECEIVER RO ORIFICE PLATE OR RESTRICTION DEVICE SFI SIGHT FLOW INDICATOR SG SIGHT GLASS SLR SILENCER SOV SOLENOID OPERATED VALVE	LSL LEVEL SWITCH LOW MCC MOTOR CONTROL CENTER NC NORMALLY CLOSED NO NORMALLY OPEN OD OUTER DIAMETER PB PUSH BUTTON PSIG POUNDS PER SQUARE INCH GAUGE RTU REMOTE TERMINAL UNIT SCFM STANDARD CUBIC FEET / MINUTE SCH SCHEDULE	Image: Butterfly valve AGITATOR/MIXER Image: Butterfly valve AGITATOR/MIXER Image: Butterfly valve Image: Butterfly valve Image: Butterfly valve Image: B	SELF ACTUATED VALVES REDUCING REGULATOR (SELF-CONTAINED) BACKPRESSURE REGULATOR (SELF-CONTAINED)	-
STR STRAINER TK TANK V VESSEL WTR WATER TREATMENT (POLISHER, SOFTENER, DEMINERALIZER) XM MISCELLANEOUS MECHANICAL EQUIPMENT XP MISCELLANEOUS PIPING SPECIALTY	SP SET POINT UG UNDERGROUND LO LOCKED OPEN O/C OPEN - CLOSE QTY QUANTITY TYP TYPICAL UG UNDERGROUND V VOLT WA WESTERN AREA	INSTRUMENTATION AND CONTROL LEGEND	BACKPRESSURE REGULATOR WITH EXTERNAL TAP	
LINE CODES CPR COPPER PIPE CS CARBON STEEL HDPE HIGH-DENSITY POLYETHYLENE PIPE GLV GALVANIZED STEEL PIPE PRH PRESSURE HOSE PRH PRESSURE HOSE DIP DUCTILE IRON PIPE DIP DUCTILE IRON PIPE	SERVICE CODES CA COMPRESSED AIR EGW EFFLUENT WATER EXH EXHAUST EVP EFFLUENT VAPOR GW GROUNDWATER IGW INFLUENT GROUNDWATER INW INFLUENT WATER INW INFLUENT GROUNDWATER	LOCATION/ACCESSIBILITY DISCRETE INSTRUMENTS PLC DISCRETE HARDWARE INTERLOCK FIELD MOUNTED 1. FIELD OR LOCALLY MOUNTED. C 2. ACCESSIBLE TO AN OPERATOR AT DEVICE. C C		_
SS STAINLESS STEEL TAG NUMBERS "YY-ZZ" YY = DEVICE TYPE	IVP INFLUENT VAPOR PRD PRODUCT VNT VENT EQUIPMENT	PRIMARY LOCATION NORMALLY ACCESSIBLE TO AN OPERATOR 1. CENTRAL OR MAIN CONTROL ROOM. 2. FRONT OF MAIN PANEL OR CONSOLE MOUNTED. 3. VISIBLE ON VIDEO DISPLAY. 4. ACCESSIBLE TO AN OPERATOR AT DEVICE OR CONSOLE.	SINGLE DIAPHRAGM OPERATED OPERATED WITH MANUALLY OPERATED HAND WHEEL DIAPHRAGM WITH POSITIONER SINGLE OR DOUBLE DIAPHRAGM	
(1.2 OR 3 LETTER CODE, ABBREVIATIONS - AS DETAILED ABOVE) ZZ = IDENTIFYING NUMBER NO DUPLICATES UNLESS ITEMS ARE IN SAME I & C "LOOP" OR MEASURE THE SAME POINT. SERVICE √XXX DWG #	REGENERATIVE BLOWER	FIRST LETTER SUCCEEDING LETTERS MEASURED OR INITIATING VARIABLE MODIFIER READOUT OR PASSIVE FUNCTION OUTPUT FUNCTION MODIFIER A ANALYSIS ALARM - - B BURNER, FLAME, COMBUSTION USER'S CHOICE USER'S CHOICE USER'S CHOICE C USER'S CHOICE (TYPICALLY CONDUCTIVITY - ELECTRICAL) CONTROL CLOSED D USER'S CHOICE (TYPICALLY DIFFERENTIAL DIVERT	FAIL SPRING OPEN FAIL SPRING CLOSE PISTON OPERATED (FC) AIR / PISTON PISTON OPERATED (DOUBLE ACTING) PISTON OPERATED (FO) AIR / PISTON	PRELIMINARY - NOT
SAME POINT. SERVICE (XXX DWG # TO/FROM SERVICE (XXX DWG # TO/FROM SERVICE CONNECTOR NUMBER	CENTRIFUGAL PUMP	DENSITY OR SPÈCIFIC GRAVITY) Image: Construction of the second	PISTON OPERATED WITH POSITIONER MOTOR OPERATED	FOR CONSTRUCTION
UTILITY CONNECTOR	AIR COMPRESSOR	L Level Light Low M USER'S CHOICE (TYPICALLY MOISTURE OR HUMIDITY) MOMENTARY MIDDLE, INTERMEDIATE N USER'S CHOICE USER'S CHOICE USER'S CHOICE O USER'S CHOICE ORFICE, RESTRICTION OPEN P PRESSURE, VACUUM POINT (TEST) CONNECTION OPEN Q QUANTITY OR HEAT DUTY INTEGRATE, TOTALIZE OUSER'S CHOICE OUSER'S CHOICE	SOLENOID OPERATED SINGLE LINE PIPING C+	816-333-9400 OKLAHOMA FIRM LICENSEE NO. 421 date detailed SEPTEMBER 2022 designed E. DULLE
LINE SIZELINE CODE	INSULATION IDENTIFICATION	R RADIATION RECORD S SPEED, FREQUENCY SAFETY T TEMPERATURE TRANSMIT U MULTIVARIABLE MULTIFUNCTION V VIBRATION, MECHANICAL ANALYSIS VALVE, DAMPER, LOUVER W WEIGHT, FORCE WELL X UNCLASSIFIED UNCLASSIFIED Y EXEMPT, STATE OR PRESENCE Y AXIS	O+} ELBOW TURNING UP ←O TOP CONNECTION	_
MAIN PROCESS LINE MAIN PROCESS LINE ELECTRICAL POWER INSTRUMENTATION SIGNAL/POWEF	PIPING	Z POSITION, DIMENSION Z AXIS DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT INSTRUMENT IDENTIFICATION		Cimmaron Environmental Response Trus P&ID NOTES AND LEGEND project contract 142089
EQUIPMENT BOUNDARIES	WG 9/1/2022 7:58 AM EAPULCHER	(TYPICAL ALL INSTRUMENTS) SEQUENCE NUMBER (XXX) INSTRUMENT IDENTIFICATION SEE TABLE ABOVE		drawing rev. BMCD-GWREMED-P001 — A sheet of sheets file P001.DWG

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		1 2 3	4	5 6	7	8 9		10	11
Г					STANDARD ELECTRICAL LEGEND)			
t		POWER	(DNE- LINE DIAGRAMS	ELECTRICAL CA	- LLOUT SYMBOLS		ELECTRIC	AL ABBREVIATIONS
	30/3 30/3 30AF/3 30/3/1 30/3 30/3	NON-FUSED DISCONNECT. SUBSCRIPT DENOTES AMPERE FRAME RATING AND NUMBER OF POLES. MH 4'-0" AFF UNLESS OTHERWISE NOTED. FUSED DISCONNECT. SUBSCRIPT DENOTES FUSE RATING AND NUMBER OF POLES. COMBINATION MOTOR STARTER. SUBSCRIPT DENOTES AMPERE FRAME RATING, POLES AND NEMA STARTER SIZE. MH 4'-0" AFF UNLESS OTHERWISE NOTED. CONTACTOR. SUBSCRIPT DENOTES AMPERE RATING AND NUMBER OF POLES. MH 4'-0" AFF UNLESS OTHERWISE NOTED MOTOR STARTER. MH 4'-0" AFF UNLESS OTHERWISE NOTED	SWITCH TAG 30A 3P (20A) SWITCH TAG 30A 3P BREAKER TAG 15AT (20)AF	DISCONNECT SWITCH, FUSED 30 = FRAME RATING 3 = POLES (20) = FUSE AMPERE RATING DISCONNECT SWITCH, NON-FUSED 30 = FRAME RATING 3 = POLES MOLDED CASE CIRCUIT BREAKER OR MOTOR CIRCUIT PROTECTOR 15 = TRIP RATING (20) = FRAME RATING	ONE OR TWO CHARACTER DISCIPLINE DESIGNATOR (MAY NOT BE PRESENT IF CALLOUT AND TITLE ARE ON DRAWINGS WITHIN THE SAME DISCIPLINE) SECTION, DETAIL, A	 LETTER OR NUMBER DESIGNATOR DRAWING SEQUENCE NUMBER INDICATES WHERE TITLE IS LOCATED (MAY NOT BE PRESENT IF CALLOUT AND TITLE ARE ON THE SAME DRAWING) 	A AC AF AFG AI. AT ATS AT BFG BOD B C C C C C C C C ONT	- AMPERE, - AIR COND - AMP FRAM - ABOVE FII - ANOVE FII - ANALOG II - ANALYZEF - AMP TRIP - AUTOMAT - BELOW FII - BUTTOM C - BUZZER - CONDUIT - CILCORINE	AMP ITION //E VISHED FLOOR VISHED GRADE NPUT R IC TRANSFER SWITCH AATELY NISHED GRADE OF DUCT
	╕┛╷┿┿	JUNCTION BOX CONDUIT TURNING UP CONDUIT TURNING DOWN CONDUIT CAPPED CONDUIT TEE CONDUIT COUPLING		MOTOR # = MOTOR TAG 1 = HORSEPOWER (HP) GENERATOR AUTOMATIC TRANSFER SWITCH	THE WORD " MAY BE REP "ELEVATION" SECTION	SECTION"	CNTL CPP CPU CR DED DCS DIST DIV EC ELEC	- COMPUTE - CONTROL - DEDICATE - DISTRIBU - DISTRIBU - DIVISION - ELECTRIC - ELECTRIC	POWER PANEL R RELAY D IED CONTROL SYSTEM TION AL CONTRACTOR AL
uluuhuu huu huu huu huu huu huu huu huu		CONTROL OR POWER PANEL MANHOLE OR HANDHOLE PULL BOX ELECTRIC HEAT TRACING TRANSFORMER (T) ELECTRICAL PANELBOARD INSERT DENOTES PANEL NAME CONTROL POWER PANEL: CPP POWER OR DISTRIBUTION PANEL: PP, DP SWITCHGEAR: SG AUTOMATIC TRANSFER SWITCH: ATS PRE-WIED CONTROL PANEL: PWCP PROGRAMMABLE LOGIC CONTROLLER: PLC	xFMR TAG 150 KVA ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	TRANSFORMER RATING GROUNDED WYE CONNECTED DELTA CONNECTED MOTOR STARTER AND OVERLOAD 0 - STARTER SIZE ELECTRIC HEATER UTILITY METER	SECTION, DETAIL, OR ELI A FP001 SECTION CALLO B A00 ELEVATION CALLO	A FP001 PUT EXAMPLE	EM EMT ENCL F GD GFI GD GND ID I/O KVA KV KV KW LFMC MCP MCD MCD	 ELECTRIC ENCLOSU FUSE GRADE GROUND I GROUND I GROUND I GROUND I INSIDE DI/ INSIDE DI/	FAULT INTERRUPTER LUG AMETER JTPUT AMPERE GHT FLEX METAL CONDUIT C CONTACTOR CASE CIRCUIT BREAKER/MAIN ONTROL CENTER IRCUIT PROTECTOR
Later of the second sec		GROUNDING GROUNDING CONDUCTOR BURIED OR CONCEALED GROUNDING CONDUCTOR EXPOSED LIQUID FLEXIBLE METAL CONDUIT WELDED GROUND CONNECTION COMPRESSION/BOLTED GROUND CONNECTION GROUND ROD - Ø3/4" x 10', COPPER CLAD GROUND TEST WELL PIGTAIL FOR EQUIPMENT/ STRUCTURE CONNECTION 18" LIGHTNING AIR TERMINAL MISCELLANEOUS ① LEVEL TRANSMITTER ① TEMPERATURE TRANSMITTER ① THERMOSTAT F /P/ ⑦ TEMPERATURE INDICATOR ① TEMPERATURE INDICATOR ① TEMPERATURE INDICATOR ① TEMPERATURE INDICATOR	$\frac{VSS}{P} = \frac{P}{2}$ $\frac{VFD TAG}{VFD 1 HP}$ $(3R)$ $FT FT TAG$ $E E-1 VT$ $C C-1 VT$ $\frac{PP-1}{(480)}$	TRANSIENT VOLTAGE SURGE SUPPRESSION ELECTRICAL CABLE INSERT DENOTES CABLE NUMBER POWER: P CONTROL: C VARIABLE FREQUENCY DRIVE 1 = HORSEPOWER RATING (3R) = NEMA RATING FLOW TRANSMITTER ELECTRICAL TRANSITION VAULT E = ELECTRICAL VT = VAULT C = ELECTRICAL VT = VAULT C = ELECTRICAL VT = VAULT C = ELECTRICAL VT = VAULT C = TAG PANELBOARD PP-1 = PP - PANELBOARD; 1-TAG [480] = VOLTAGE 1PH, 200A 3W = PHASE, BUS SIZE (AMP) WIRE CONFIGURATION 18KA = SHORT CIRCUIT CURRENT RATING MLO = MAIN LUG ONLY	DETAIL CALLOU SECTION, DETAIL, IDENTIFICATION	AND ELEVATION	MIN MPS N2 NEC OD OEM PC PH PLC PPP PVC PWR R RGS RX SPD SPD SPD SPD SPD TOS TYP TX UDS UPS UV V VAC VDC W WP XFMR	 MINIMUM MOTOR PI MOTOR PI NUTROGE NATIONAL NON FUSE OUTSIDE I ORIGINAL POLE POWER CI PHASE PROGRAM POWER POWER PI ALARM LIG REGEIVER SURGE PF SWITCH TERMINAL TEMPERA TOP OF S' TYPICAL TRANSMIT UNINTERF ULTRA-VUC VOLT AMP VOLTAGE WIRE, WA' WEATHERE TRANSFOI 	ROTECTION SWITCH LECTRIC CODE D DIAMETER EQUIPMENT MANUFACTUREI ONNECTION BOX IMABLE LOGIC CONTROLLER ANEL L CHLORIDE SHT VANIZED STEEL CONDUIT ROTECTIVE DEVICE BLOCK TURE TEEL TER ISTRIBUTION SYSTEM XUPTIBLE POWER SUPPLY DLET S ALTERNATING CURRENT DIRECT CURRENT TT PROOF RMER TION ABBREVIATIONS
		LI LEVEL INDICATOR FM FLOW METER FT FLOW TRANSMITTER PT PRESSURE TRANSMITTER PS PRESSURE SWITCH FS FLOW SWITCH LS LEVEL SWITCH Q EQUIPMENT TAG CALL OUT (1) KEYED NOTE	1PH, 200A 3W 18kA MLO 	PANELBOARD PP-1 = PP - PANELBOARD; 1-TAG [480] = VOLTAGE 1PH, 200A 3W = PHASE, BUS SIZE (AMP) WIRE CONFIGURATION 18KA = SHORT CIRCUIT CURRENT RATING MCB = MAIN CIRCUIT BREAKER, [AMP RATING]			C CONC. CR DC DWG FE FIN. FM FM ICO LSH NCO NO. NO. PT PS CD DC DC	- CONCRET - CONTROL DIRECT CI DISCONNE - DRAWING - FLOW ELE - FINISH - FLOW MET - FLOW MET - FLOW TRA - INPUT / OU - LEVEL SW - NORMALL' - NUMBER - PRESSURI - PRESSURI - PRESSURI - TWISTED I	RELAY JRRENT SCT MENT IER INSMITTER JIPUT ITCH HIGH Y CLOSED Y OPEN E TRANSMITTER E SWITCH PAIR (CABLE) SHIELDED PAIR (CABLE)

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GENERAL NOTES:

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1. THESE GENERAL NOTES APPLY TO ALL DRAWINGS UNLESS OTHERWISE NOTED. ALL SYMBOLS AND ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED.

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- 2. THE EXACT LOCATION OF CONDUITS, DEVICES AND EQUIPMENT MAY DEVIATE FROM THE LOCATION INDICATED ON THESE DRAWINGS.
- 3. SUBCONTRACTOR SHALL FIELD ROUTE CONDUITS TO AVOID INTERFERENCE WITH OTHER EXISTING AND PROPOSED UTILITIES.

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- 4. ALL WORK PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO, THE LATEST VERSION OF THE NATIONAL ELECTRIC CODE ADOPTED BY AUTHORITIES HAVING JURISDICTION.
- 5. LABEL ALL ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO SAFETY SWITCHES, MOTOR STARTERS, COMBINATION STARTERS, AND CONTACTORS INSTALLED, WITH DESIGNATIONS AS SHOWN.
- 6. ABOVE GRADE CONDUIT SHALL BE 1" TRADE SIZE MINIMUM AND SHALL BE RGS TYPE AND BELOW GRADE CONDUIT SHALL BE 1" TRADE SIZE MINIMUM AND SHALL BE PVC (SCH 80), UNLESS OTHERWISE NOTED.
- 7. ALL 600 VOLT POWER WIRING SHALL BE TYPE XHHW-2 SINGLE CONDUCTOR IN CONDUIT ONLY. ALL CONTROL WIRING SHALL BE MINIMUM #14 AWG MULTI-CONDUCTOR TYPE XLPE. ALL INSTRUMENTATION WIRING SHALL BE #18 AWG MULTI-CONDUCTOR TYPE XLPE SHIELDED PAIRS UNLESS OTHERWISE STATED.
- 8. MINIMUM CONDUCTOR SIZE FOR 480 VOLT POWER CIRCUITS SHALL BE #10 AWG. MINIMUM CONDUCTORS SIZE FOR POWER AND LIGHTING CIRCUITS LESS THAN 480 VOLT SHALL BE #12 AWG.
- 9. PULL A GROUND WIRE TO EACH DEVICE AND PIECE OF EQUIPMENT. ALL EQUIPMENT AND DEVICES SHALL BE GROUNDED ACCORDING TO ARTICLE 250 OF THE NEC.
- 10. ALL CIRCUIT BREAKERS SHALL BE 15 AMP MIN, UNLESS OTHERWISE NOTED.

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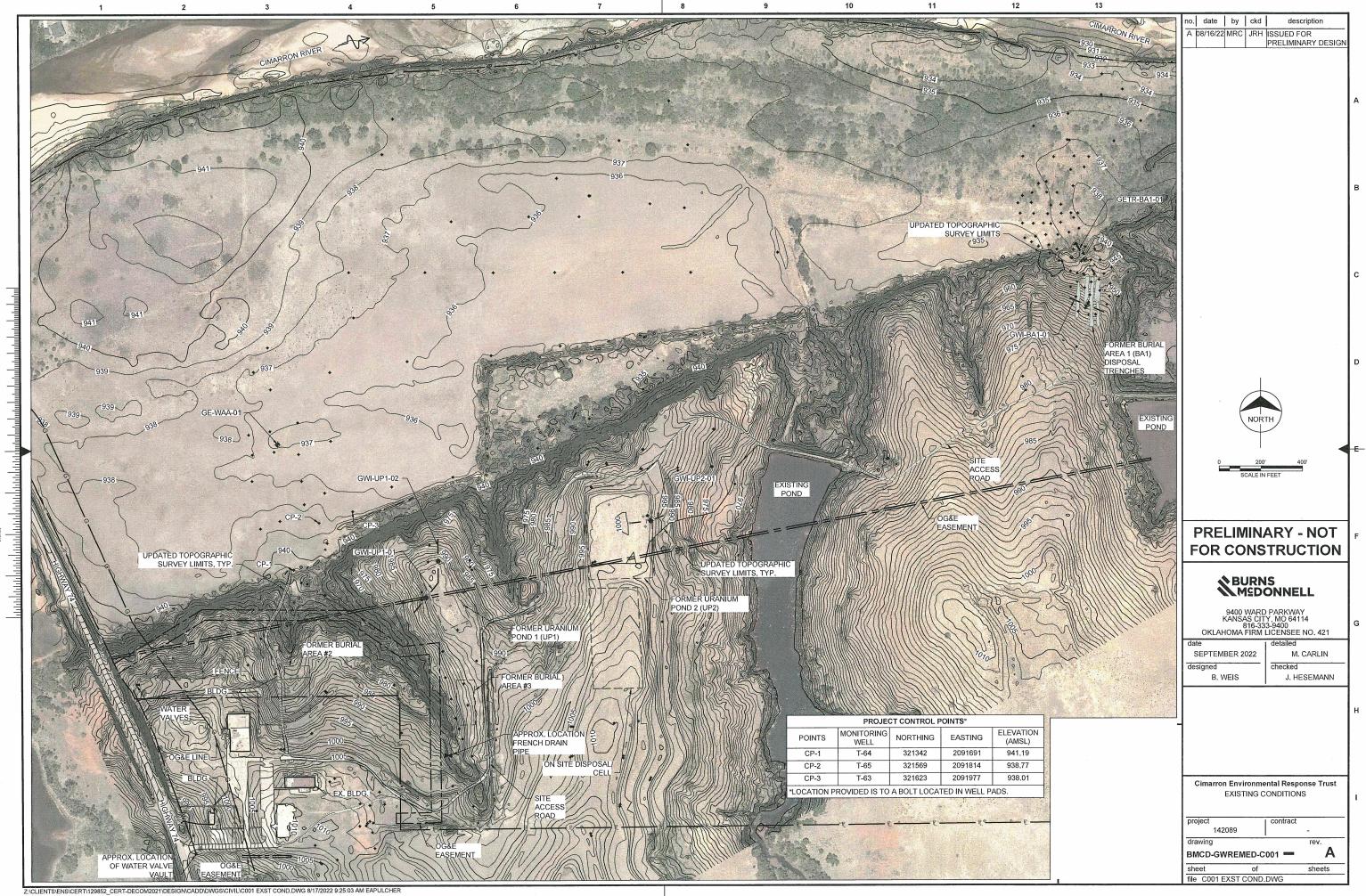
- 11. ELECTRICAL SUBCONTRACTOR IS RESPONSIBLE FOR MAKING FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT INSTALLED AND/OR RELOCATED, UNLESS OTHERWISE STATED ON THE DRAWING. SPECIFICALLY STATEMENT OF WORK FOR WESTERN AREA TREATMENT FACILITY STOPS AT DEMARCATION VAULT FOR SOURCE POWER, REFERENCE DRAWINGS E101 AND E102.
- 12. SIZE JUNCTION AND PULL BOXES PER NATIONAL ELECTRICAL CODE, UNLESS OTHERWISE NOTED.

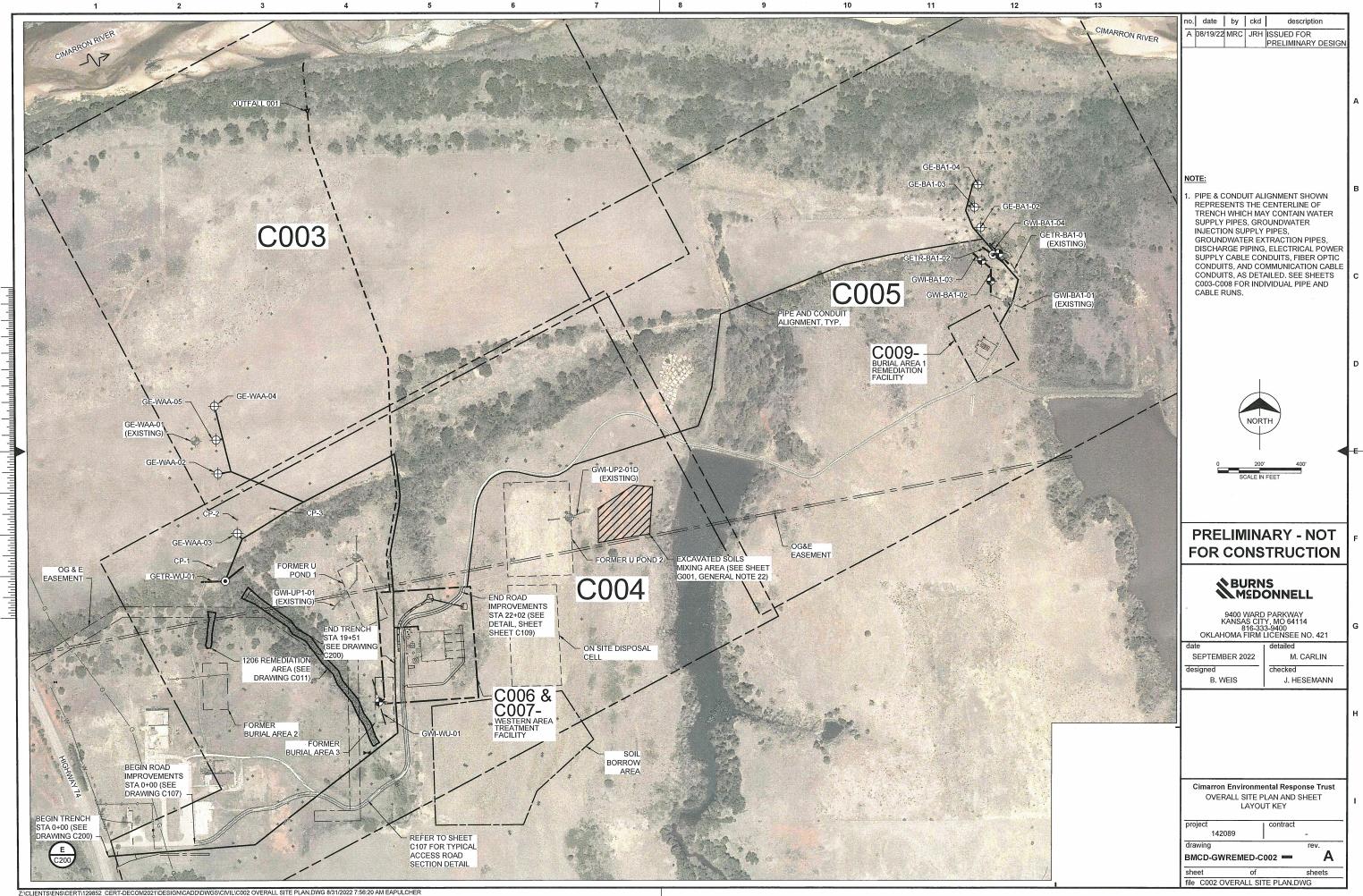
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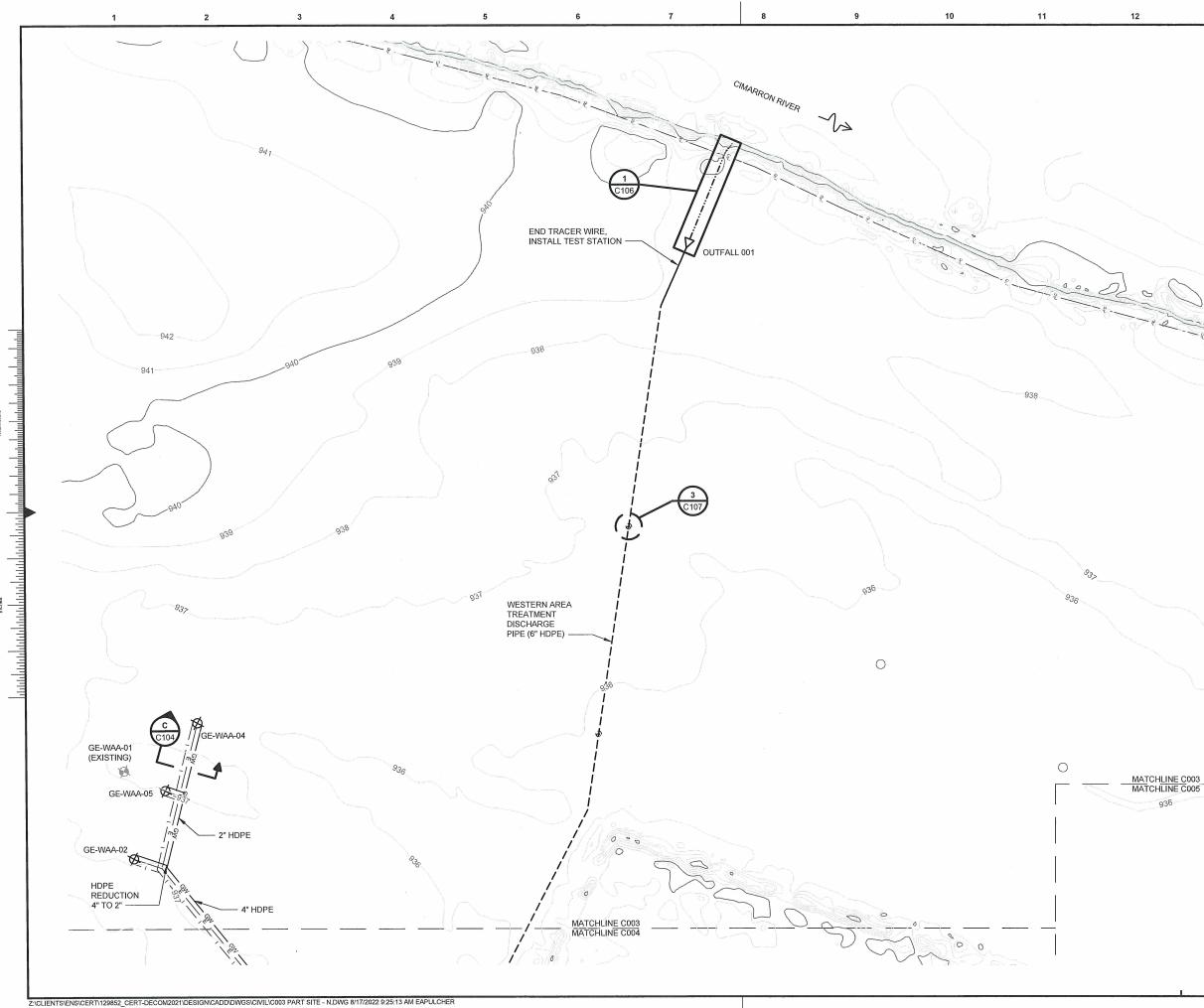
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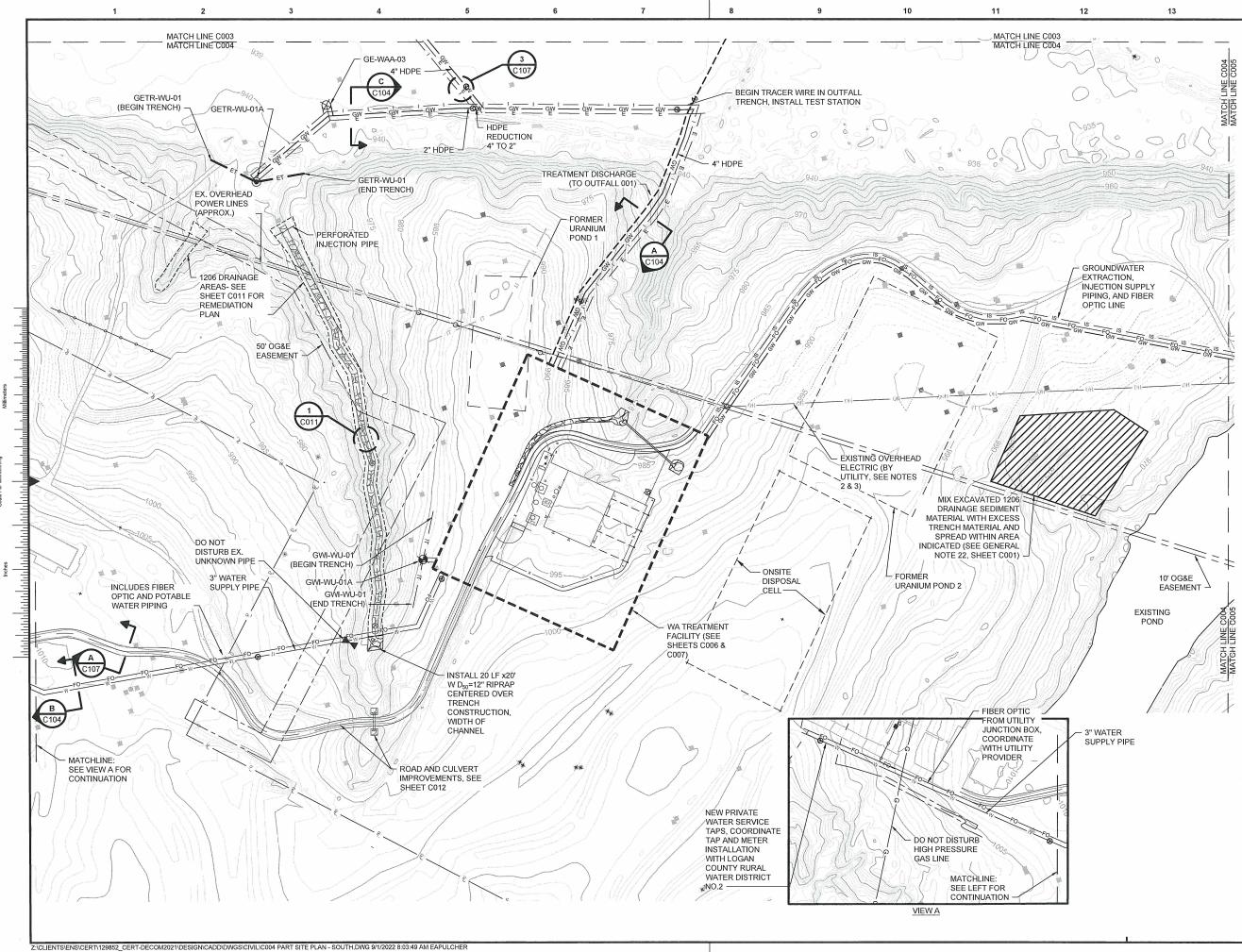




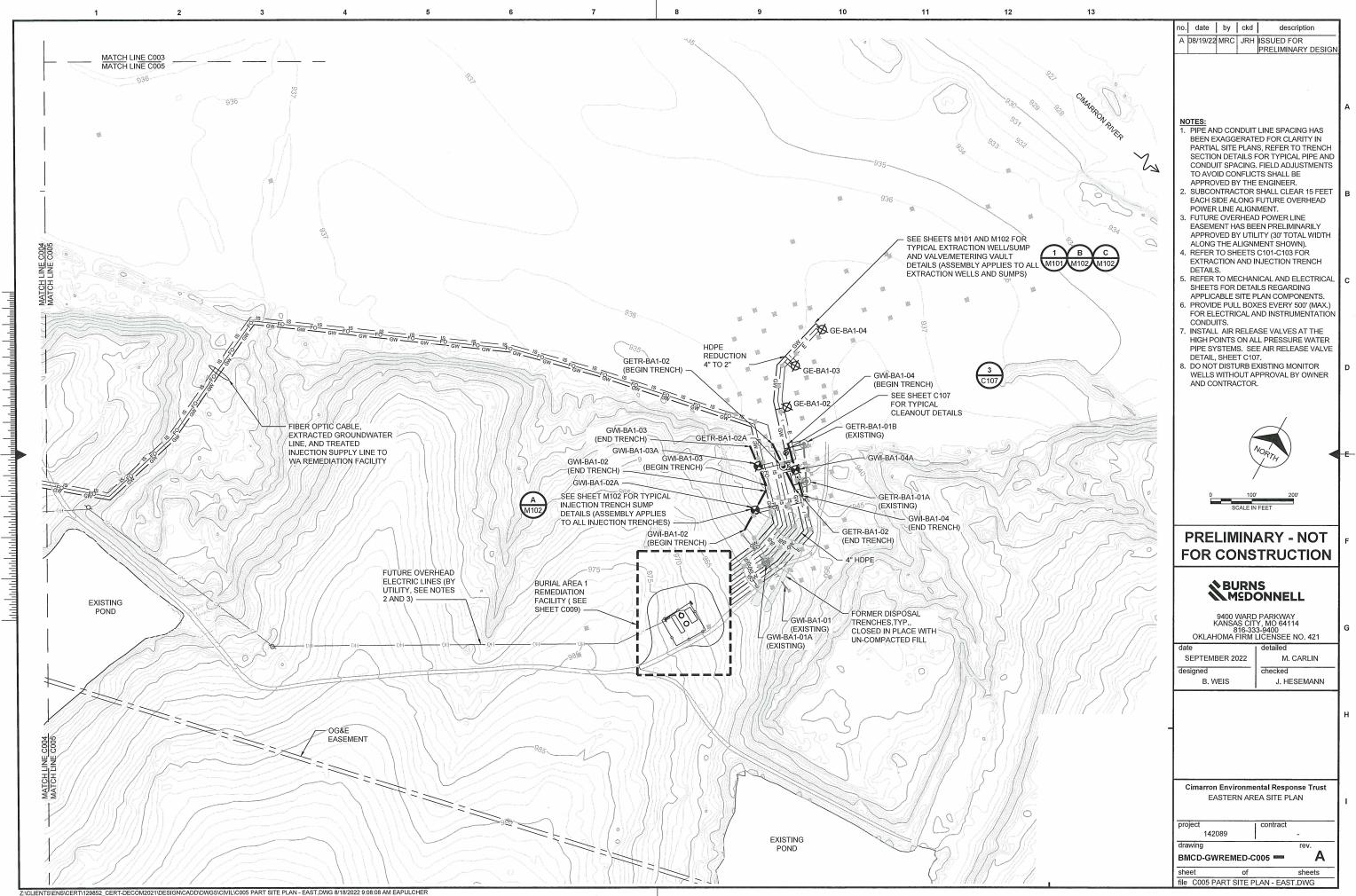


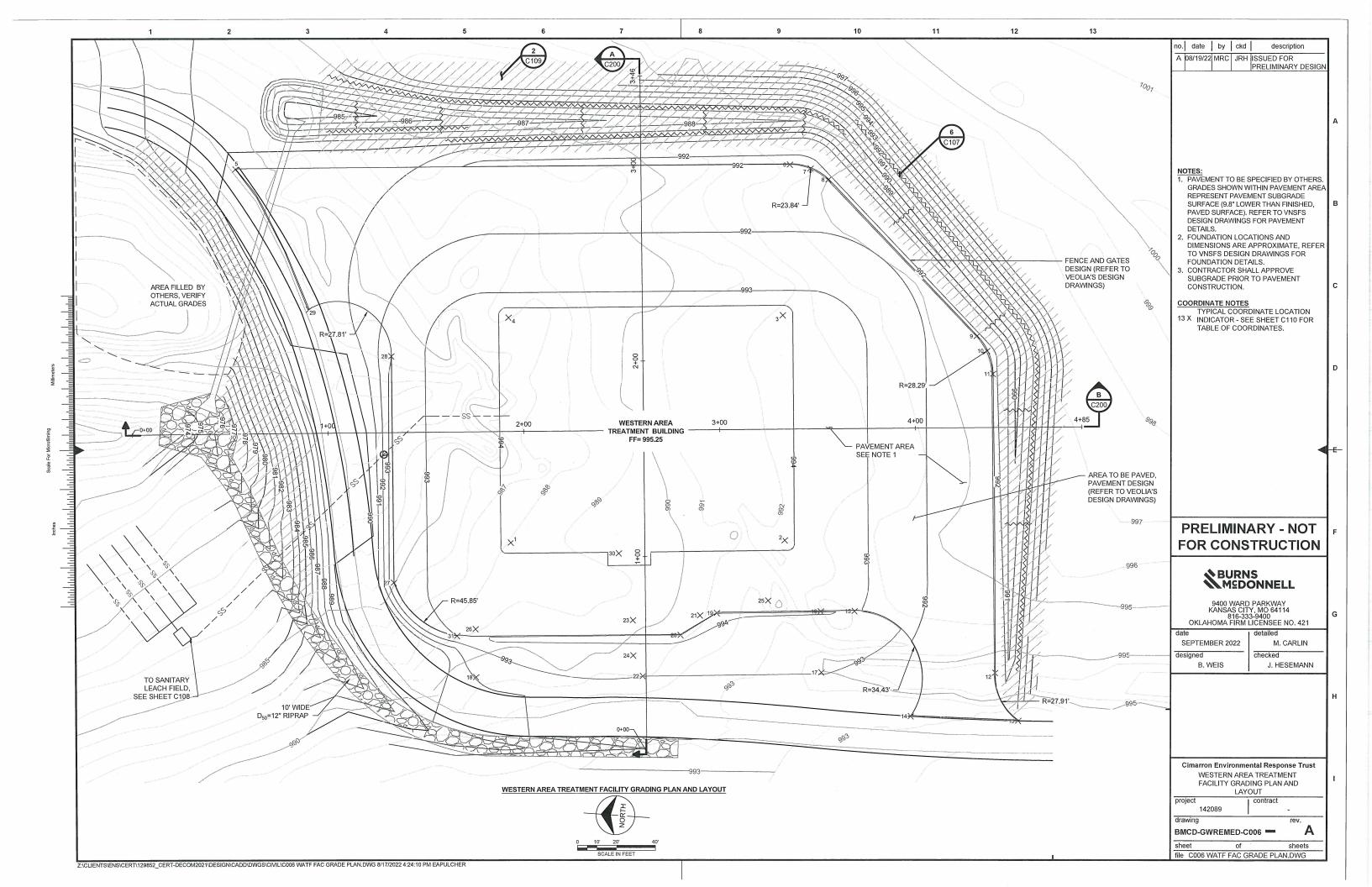
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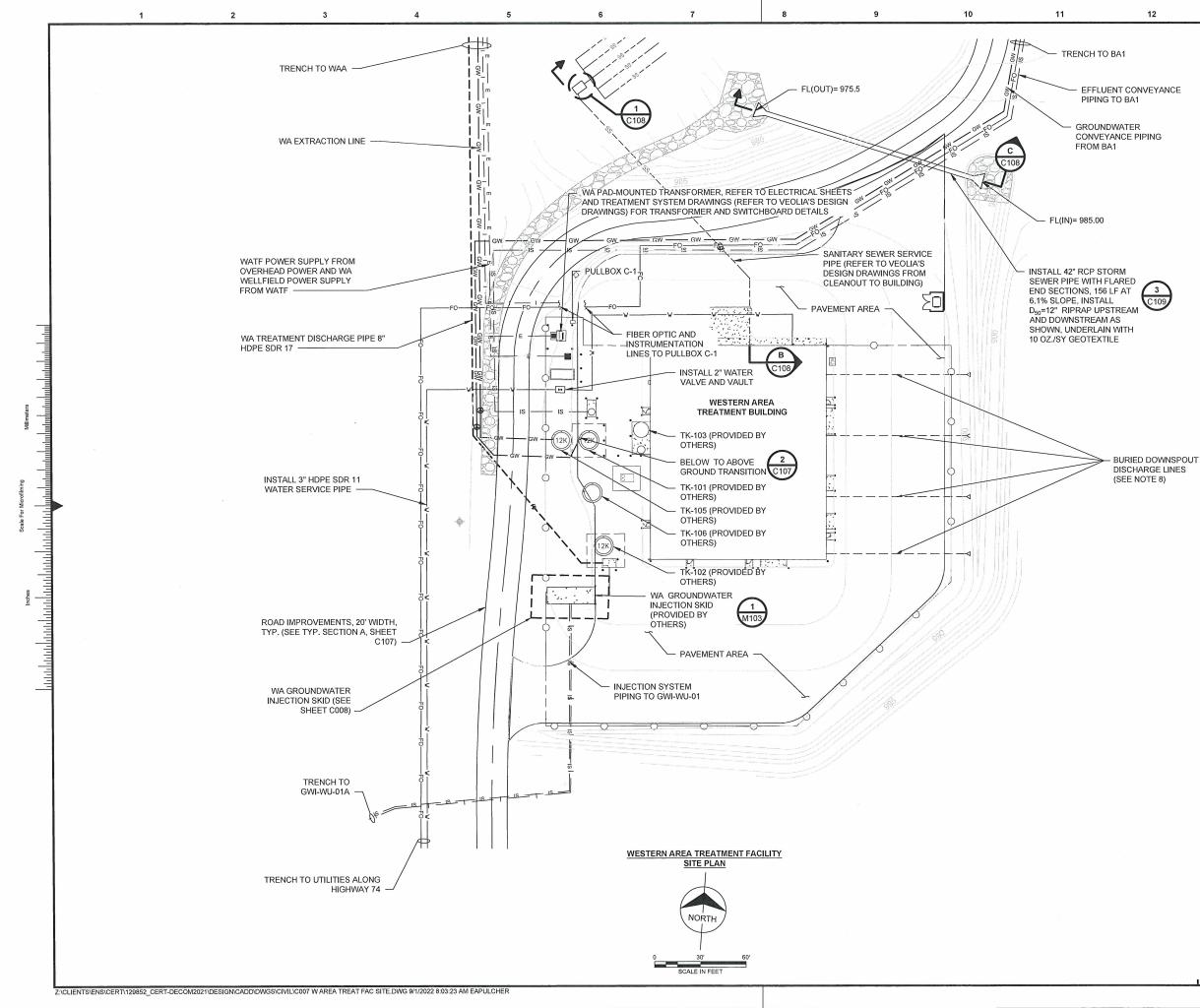
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	NOTES:	
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	BEEN EXAGGERATED FOR CLARITY IN PARTIAL SITE PLANS. REFER TO TRENCH	
	SECTION DETAILS FOR TYPICAL PIPE AND CONDUIT SPACING. FIELD ADJUSTMENTS	
	OF TRENCH ROUTING TO AVOID	
	CONFLICTS SHALL BE APPROVED BY ENGINEER.	
	2. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR DETAILS REGARDING	с
	APPLICABLE SITE PLAN COMPONENTS.	ľ
	3. PROVIDE PULL BOXES EVERY 500' (MAX.) FOR ELECTRICAL AND INSTRUMENTATION	
-	CABLES. 4. INSTALL AIR RELEASE VALVES AT THE	
	HIGH POINTS ON ALL PRESSURE WATER PIPE SYSTEMS. SEE AIR RELEASE VALVE	
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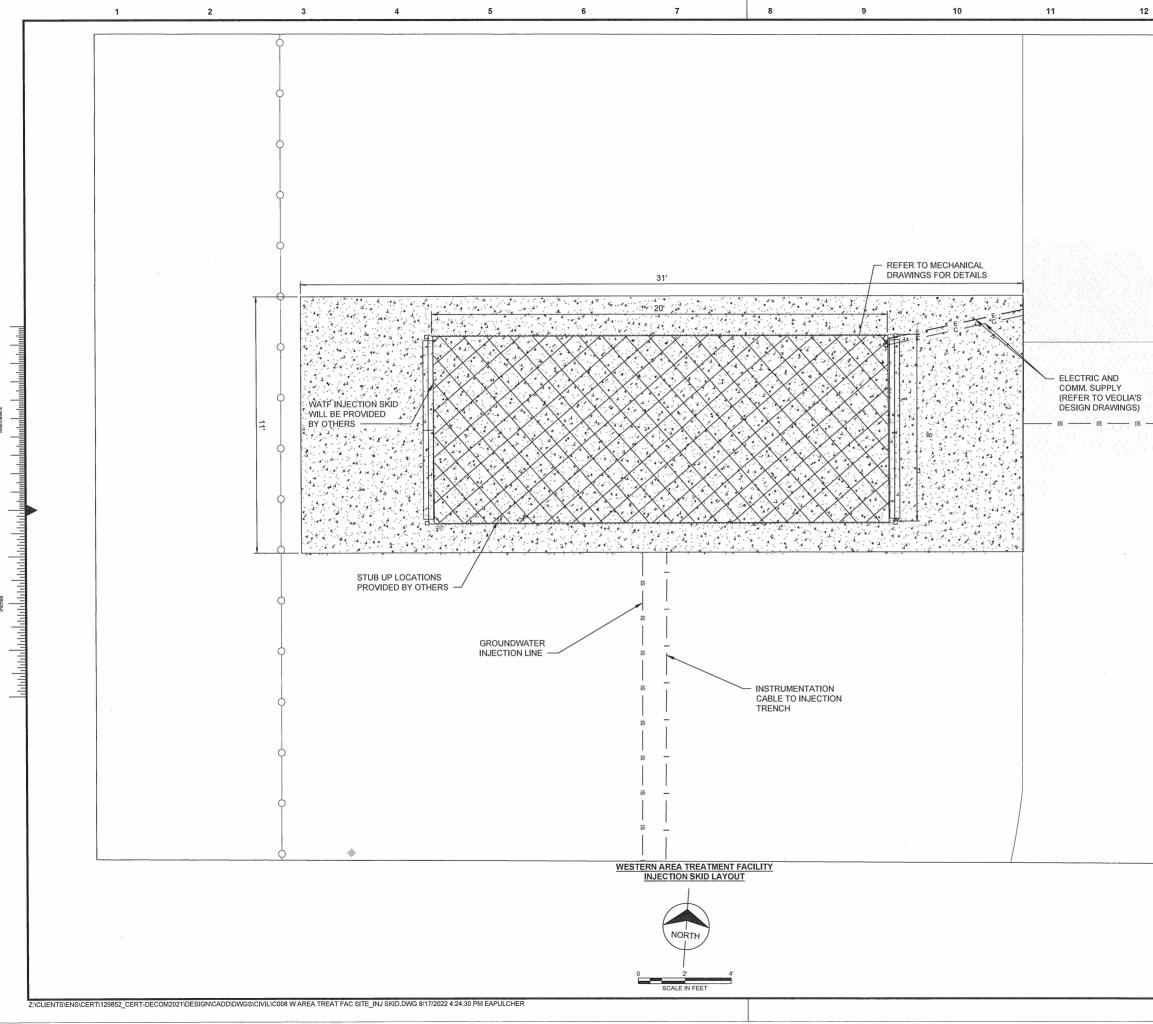
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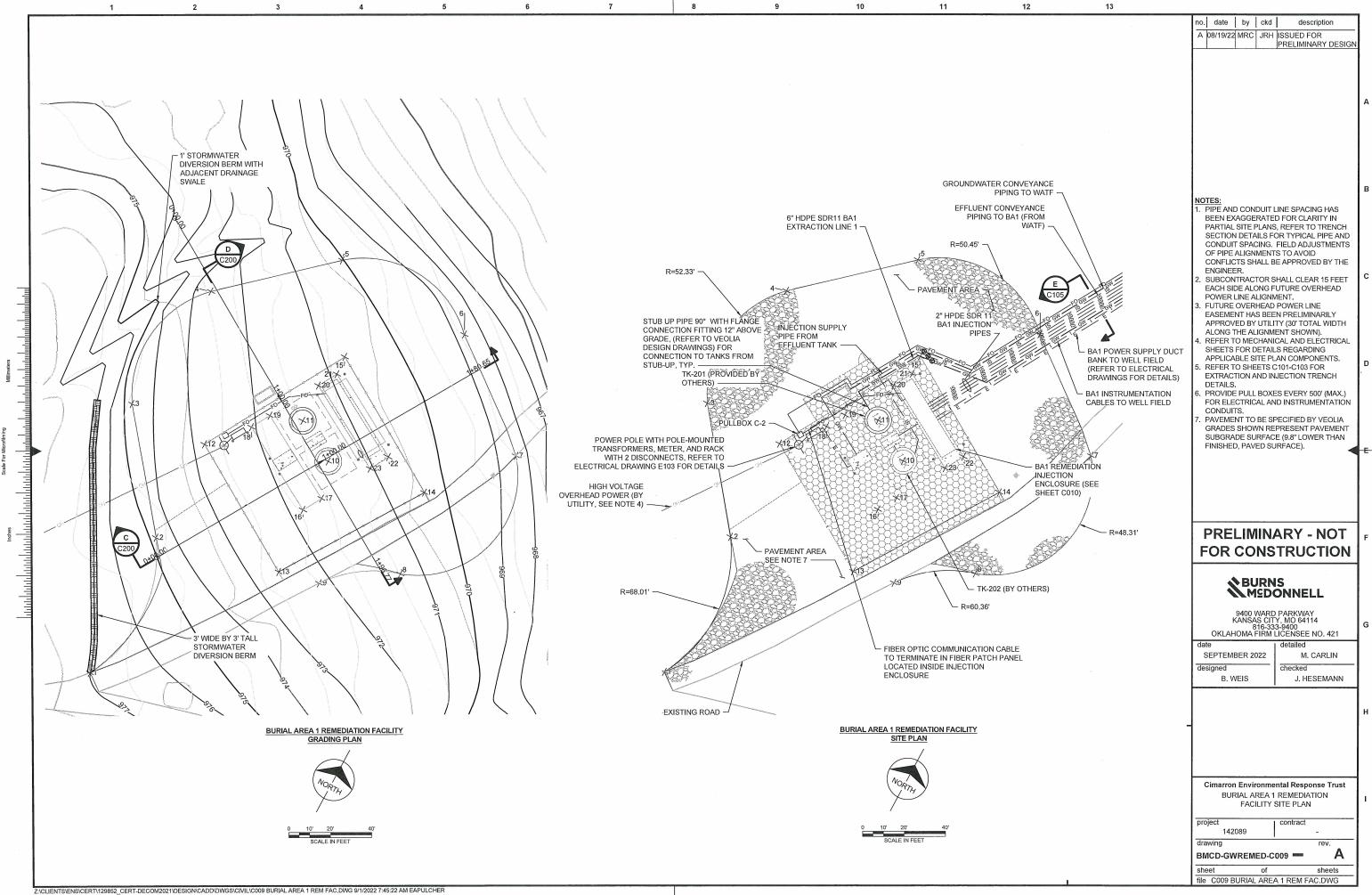


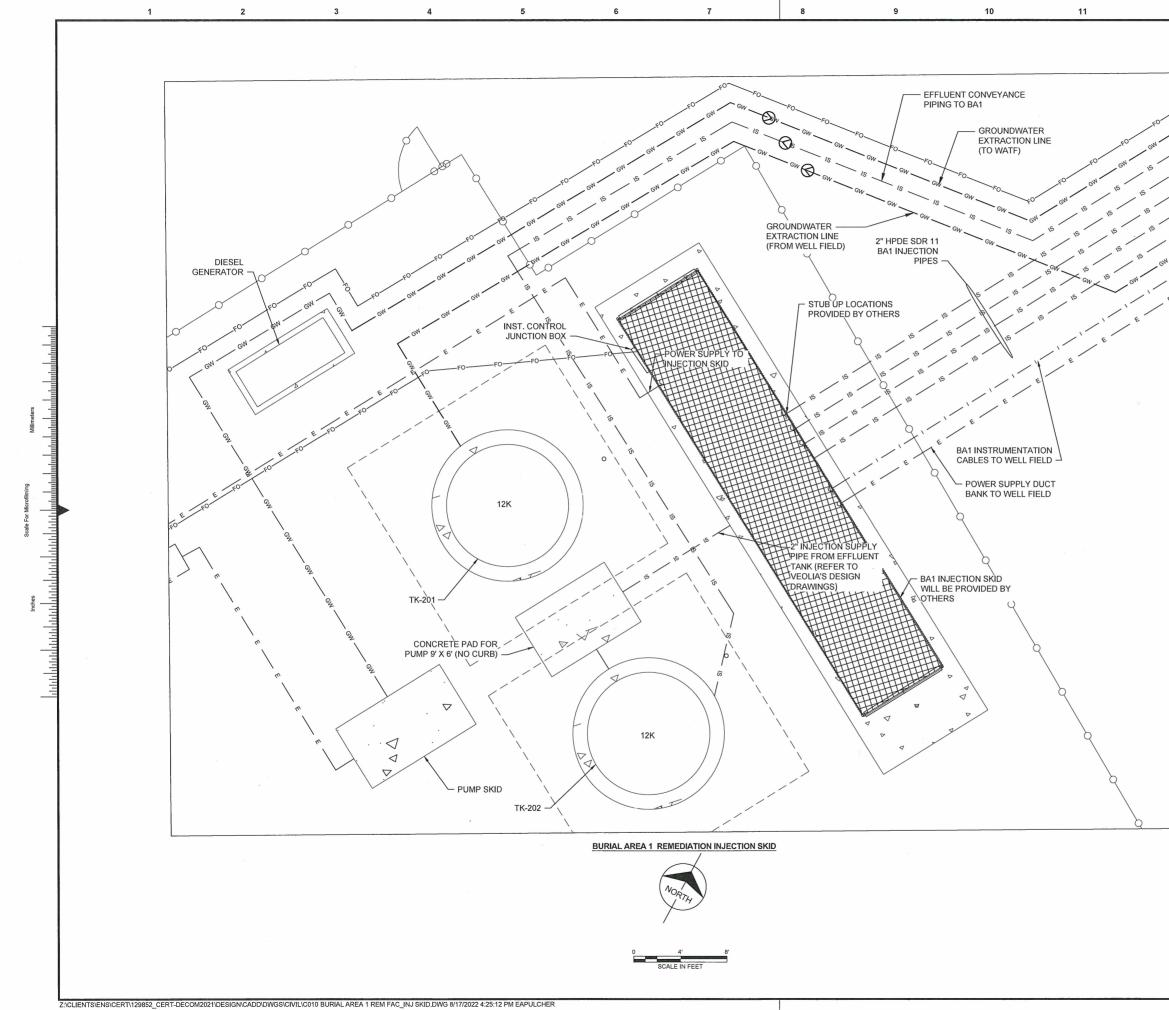


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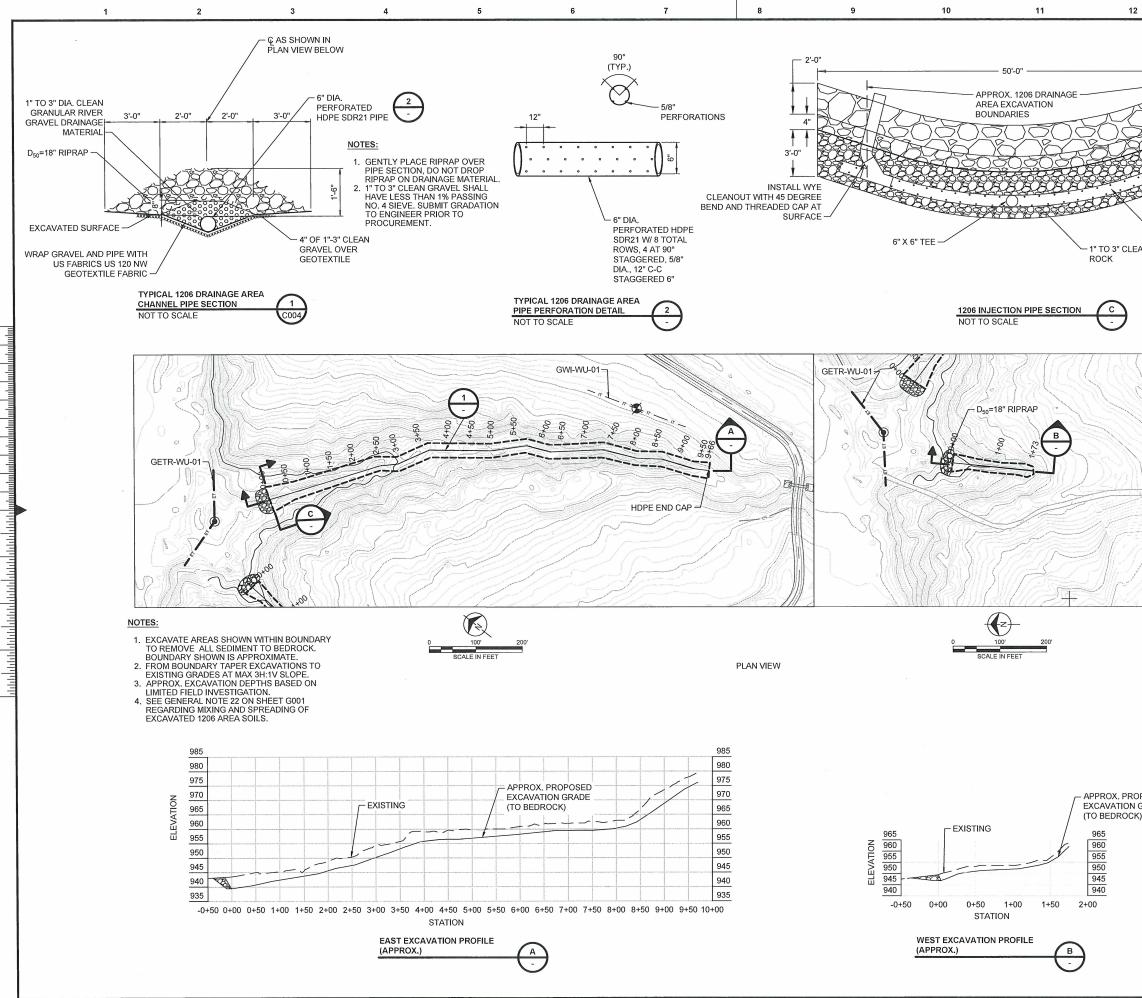


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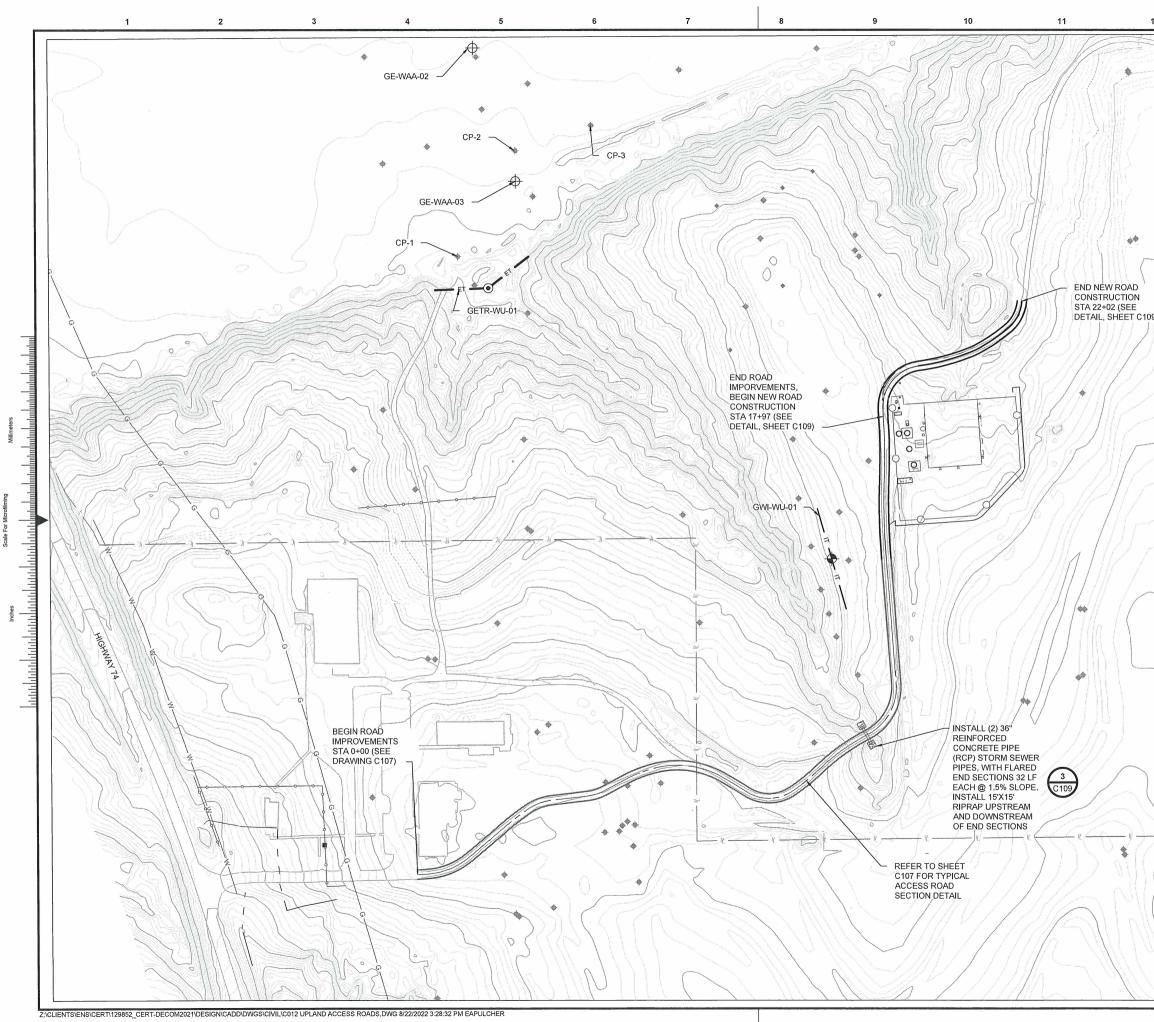




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