SEWER SYSTEM

BATTLE OF ATHENS STATE HISTORIC SITE REVERE, MISSOURI

OWNER: STATE OF MISSOURI

MICHAEL L. PARSON,

GOVERNOR

DEPARTMENT OF NATURAL RESOURCES DIVISION

OF STATE PARKS

PROJECT OFFICE OF ADMINISTRATION

MANAGEMENT: DIVISION OF FACILITIES MANAGEMENT,

DESIGN AND CONSTRUCTION

DESIGNER: Klingner & Associates, PC

PROJECT NUMBER: X2302-04

SITE NUMBER: 5103

ASSET NUMBER: 7815103025





PROJECT LOCATION MAP

SHEET NUMBER	SHEET NAME	CURRENT REVISION DATE
G001	COVER SHEET	02/12/2024
G002	GENERAL NOTES AND LEGENDS	02/12/2024
C100	PROPOSED SITE LAYOUT & GRAVITY P&P	02/12/2024
C101	LPP DETAILS	02/12/2024
C102	SEPTIC TANK DETAILS (7,500 GALLON)	02/12/2024
C500	MISCELLANEOUS DETAILS	02/12/2024
E501	ELECTRICAL DETAILS AND SCHEDULES	02/12/2024
E801	CTRL DIAGRAM-PUMP CHAMBER	02/12/2024

THE CONTRACTOR(S) SHALL COMPLY WITH THE LATEST EDITION OF APPLICABLE CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO:

- THE AMERICANS WITH DISABILITIES ACT (ADAAG) - INTERNATIONAL BUILDING CODE (IBC)
- NATIONAL ELECTRIC CODE (NEC)
- INTERNATIONAL PLUMBING CODE (IPC)
- LIFE SAFETY CODE (NFPA 101)
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

- MISSOURI DEPARTMENT OF NATURAL RESOURCES (MODNR)

- AMERICAN CONCRETE INSTITUTE (ACI) - MISSOURI DEPARTMENT OF TRANSPORTATION (MODOT)

GENERAL NOTES

- 1. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- 2. ANY DISCREPANCIES BETWEEN SPECIFICATIONS, DRAWINGS, AND/OR SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 3. ALL AREAS DESIGNATED TO REMAIN UNDISTURBED SHALL BE PROTECTED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE LOCATION OF ALL PROPOSED IMPROVEMENTS, INCLUDING ROUGH AND FINISHED ELEVATIONS AND ALL OTHER PROPOSED IMPROVEMENTS INDICATED ON THE DRAWINGS
- 5. THE CONTRACTOR SHALL VERIFY THAT ALL APPLICABLE LOCAL, STATE, & FEDERAL CODES ARE FOLLOWED. ALL APPLICABLE LOCAL AND STATE NOTIFICATIONS AND PERMITS SHALL BE ACQUIRED PRIOR TO CONSTRUCTION, INCLUDING ALL NECESSARY UTILITY CONNECTION PERMITS FROM THE
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND SERVICES REQUIRED DURING CONSTRUCTION.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL REFERENCE POINTS, BENCHMARKS, MONUMENTS, STAKES, AND PROPERTY CORNERS DURING CONSTRUCTION. REPLACEMENT OF LOST REFERENCE POINTS SHALL BE AT THE CONTRACTORS EXPENSE.
- 8. REMOVE ALL STRUCTURES, FOUNDATIONS, WALLS, PAVEMENTS, AND ALL OTHER ITEMS IN CONFLICT WITH PROPOSED IMPROVEMENTS IN ACCORDANCE WITH THE SPECIFICATIONS.
- 9. REFERENCES TO "STANDARD SPECIFICATIONS" SHALL MEAN THE MISSOURI DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", LATEST ADDITION.
- 10. THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 11. NO WORK SHALL BE PERFORMED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT OWNER APPROVAL.
- 12. SITE CLEAN-UP SHALL BE PERFORMED ON A DAILY BASIS. SIDEWALKS, PARKING LOTS. ROADWAYS, AND THE PROJECT SITE SHALL BE KEPT CLEAN AT ALL TIMES. CONTROL DUST IN AND AROUND ALL WORK AND STAGING AREAS.
- 13. ALL OPEN EXCAVATIONS SHALL BE PROTECTED.
- 14. MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
- 15. IF A DISCREPANCY IN THE SPOT ELEVATIONS IS NOTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTING. IF THERE IS A DISCREPANCY BETWEEN THE SPOT ELEVATIONS AND CONTOURS, THE CONTOURS SHALL GOVERN.
- 16. IF SOIL OR GROUNDWATER IS ENCOUNTERED WHICH EMITS A PETROLEUM ODOR OR IS DISCOLORED THE CONTRACTOR SHALL STOP EXCAVATION AND NOTIFY THE OWNER IMMEDIATELY. THE OWNER WILL COORDINATE ENVIRONMENTAL EFFORTS TO HANDLE THE IMPACTED SOIL OR GROUNDWATER IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL TAKE APPROPRIATE ACTION TO ENSURE PUBLIC AND EMPLOYEE SAFETY.

UTILITY NOTES

- 1. THE LOCATION OF EXISTING UTILITIES IN CONSTRUCTION AREAS SHALL BE FIELD VERIFIED BY THE CONTRACTOR BY CONTACTING THE MISSOURI ONE CALL SYSTEM, INC. OR THE INDIVIDUAL UTILITIES NOT PARTICIPATING IN THIS SYSTEM. EXISTING UTILITIES TO REMAIN SHALL BE PROTECTED. ANY REPAIR OR RELOCATION REQUIRED, AS A RESULT OF DAMAGE BY CONSTRUCTION ACTIVITIES SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PAY UTILITY PERMIT AND/OR
- 2. UTILITY TRENCHES WITHIN PAVEMENT AREAS SHALL BE BACKFILLED WITH APPROVED COMPACTED GRANULAR BACKFILL.
- 3. ALL ELECTRIC SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, CURRENT VERSION.
- 4. ADJUST ALL VALVES, MANHOLES, CASTINGS, GAS VENTS, ETC., TO MATCH THE NEW SURFACE. ADJUSTMENT SHALL BE COORDINATED WITH THE UTILITY COMPANIES AND THE COST FOR ALL ADJUSTMENTS SHALL BE INCIDENTAL TO THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER, REPAIR ANY DAMAGE TO SAID STRUCTURES AND APPURTENANCES THAT OCCUR DURING
- 5. THE DRAWINGS INDICATE THE BEST KNOWLEDGE OF THE OWNER AND ENGINEER/ARCHITECT ON THE GENERAL LOCATION AND NATURE OF THE EXISTING AND OR PROPOSED UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION. EXPLORATORY EXCAVATIONS AT THE SITE TO DETERMINE INSITU LOCATIONS WERE NOT CONDUCTED. QUALITY LEVEL D IN ACCORDANCE WITH CI/ASCE 38-02, STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA, WAS UTILIZED. REGARDLESS OF THE LEVEL OF INVESTIGATION, THE UTILITIES SHOWN SHOULD NOT BE CONSIDERED A WARRANTY OR GUARANTEE OF ACTUAL PRESENCE OR LOCATION AND THE CONTRACTOR REMAINS RESPONSIBLE FOR THE LOCATION, VERIFICATION, AND PROPER NOTIFICATION OF POTENTIAL UTILITIES.

QUALITY LEVELS:

QUALITY LEVEL A - PROVIDES THE HIGHEST LEVEL OF ACCURACY. BY LOCATING OR POTHOLING UTILITIES IN ADDITION TO QUALITY LEVELS B, C, AND D TASKS. THE LOCATED UTILITY INFRASTRUCTURE IS SURVEYED AND MAPPED TO DEVELOP PLAN AND PROFILE INFORMATION.

QUALITY LEVEL B - INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND RECORDING THE INFORMATION THROUGH A SURVEY METHOD. IN ADDITION TO QUALITY LEVEL C AND D TASKS.

QUALITY LEVEL C - INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. IN ADDITION TO QUALITY LEVEL D TASKS

QUALITY LEVEL D - INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS, THAT MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICE MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASE, CONSTRUCTION PLANS, ETC. DATABASES, CONSTRUCTION PLANS,

EROSION CONTROL NOTES

- 1. EROSION CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, THE DETAILS IN THESE PLANS, AND THE MISSOURI DEPARTMENT OF NATURAL RESOURCES STANDARDS AND REQUIREMENTS FOR EROSION AND SEDIMENT
- 2. THE EROSION CONTROL SHOWN ON THIS SET OF PLANS SHALL BE CONSIDERED THE MINIMUM ACCEPTABLE FOR THIS PROJECT. THERE MAY BE ADDITIONAL EROSION CONTROL REQUIRED DUE TO THE VARIOUS CONSTRUCTION TECHNIQUES, WHICH MAY BE USED. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AND MAINTAINING ALL THE RUNOFF FROM THE SITE, IN A MANNER WHICH KEEPS ALL SILT ON SITE.
- 3. A LAND DISTURBANCE PERMIT WILL NOT BE REQUIRED SINCE LESS THAN 1 ACRE OF LAND WILL BE DISTURBED BY GRADING OPERATIONS.
- 4. ALL INLET PROTECTION AND TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF PAVING OPERATIONS AND FINAL STABILIZATION OF LANDSCAPED AND SEED AREAS.

ABBREVIATIONS

•	
FL	FLOWLINE ELEVATION
TC	TOP OF CURB ELEVATION
GL	GUTTER LINE ELEVATION
TG	TOP OF GRATE ELEVATION
STA	STATION
FES	FLARED END SECTION
SWI	STORM WATER INLET
FFE	FINISH FLOOR ELEVATION
HP	HIGH POINT
LP	LOW POINT
TW	TOP OF WALL ELEVATION
BW	BOTTOM OF WALL ELEVATIO
DS	DOWNSPOUT
EP	EDGE OF PAVEMENT

NOT IN CONTRACT

MATCH EXISTING

NOTE: ELECTRICAL SERVICE TO BE FINALIZED ONCE THE TREATMENT SYSTEM TYPE HAS BEEN SELECTED



Call before you dig.

— NOTE —

UTILITY INFORMATION IS FOR THE CONVENIENCE OF THE CONTRACTOR. BEFORE CONSTRUCTION BEGINS THE CONTRACTOR SHALL CONTACT MISSOURI ONE CALL SYSTEM, INC. AT 811 OR 1-800-344-7483 AND THE INDIVIDUAL UTILITIES NOT INCLUDED IN THIS SYSTEM FOR THE LOCATION OF ALL EXISTING UTILITIES.

PROPOSED

EXISTING

EXIOTINO	TROFOOLD	
	P	PROPERTY LINE
		LOT LINE
		RIGHT OF WAY LINE
	25 3-36 8	CENTERLINE
		EASEMENT
	U	BUILDING SETBACK
		CONSTRUCTION LIMITS
X	x	FENCE LINE
0	o	CHAIN LINK FENCE
0		FENCE W/ SQUARE POSTS
	D 	STREAM
1111111111111111		STRUCTURE
		PAVEMENT MARKINGS
		EDGE OF PAVEMENT
		CURB AND GUTTER
		RAILROAD TRACKS
		WATER LINE
FP — FP — FP	——————————————————————————————————————	FIRE PROTECTION
G — G —	—— G ——— G ———	GAS LINE
OE — OE —	——— OE——— OE———	OVERHEAD ELECTRIC
	——— UE ———— UE ———	UNDERGROUND ELECTRIC
ОТ — ОТ —	OT OT	OVERHEAD TELEPHONE
UT	—— и—— и——	UNDERGROUND TELEPHONE
CATV—CATV—	CATVCATV	CABLE TELEVISION
F0 — F0 —	F0F0	FIBER OPTIC
COM	COMCOM	COMMUNICATION LINE
) ST)) st)	STORM SEWER
>SAN>>SAN>	>SAN>>SAN>	SANITARY SEWER
FM FM	FMFM	FORCE MAIN
		COMBINED SEWER
——————————————————————————————————————	IRIR	IRRIGATION SYSTEM
φ φ φ	4 4 4	MAST ARM SIGNAL (3 SIGNALS
A A	4 4	MAST ARM SIGNALS (2 SIGNAL
Ф	•	UTILITY TRAFFIC SIGN
0	- -	SIGN
©		MANHOLE
		STORM WATER INLET
	- ∰⊞	CATCH BASIN
₩ c/o _o	©/0 _	
0		CLEANOUT
		CULVERT
		BOX CULVERT
	B	WATER VALVE
DIV	DIV.	FIRE HYDRANT
PIV	PIV	POST INDICATOR VALVE
W	W	WATER METER
\otimes	\otimes	GAS VALVE
G	G	GAS METER
T	Ī	TELEPHONE PEDESTAL
$\overline{\mathbb{M}}$	M	CABLE TV PEDESTAL
E	E	ELECTRIC METER
Ø	ø	UTILITY POLE
*	*	LIGHT STANDARD
0	● -□	LIGHT POLE
<u> </u>	!	GUY WIRE
		SUMMIT / HIGH POINT
601	601	CONTOURS
600	600	INDEX CONTOURS
	\longrightarrow	DIRECTION OF DRAINAGE
	-600.00	
	600.00	SPOT ELEVATION
	\bigcirc	DECIDUOUS SHRUB
(.)	(+ }	DECIDUOUS TREE
white the state of		
(.)		CONIFEROUS SHRUB
5 3		CONIFEROUS TREE

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**

BIDDING DOCUMENTS



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

SEWER SYSTEM

12378 ATHENS STATE PARK ROAD REVERE, MO 63465

PROJECT # X2302-04 SITE# 5103 7815103025 ASSET #

REVISION: DATE **REVISION:** DATE REVISION: DATE ISSUE DATE: 02-12-2024

CAD DWG FILE: DRAWING BY: JDH

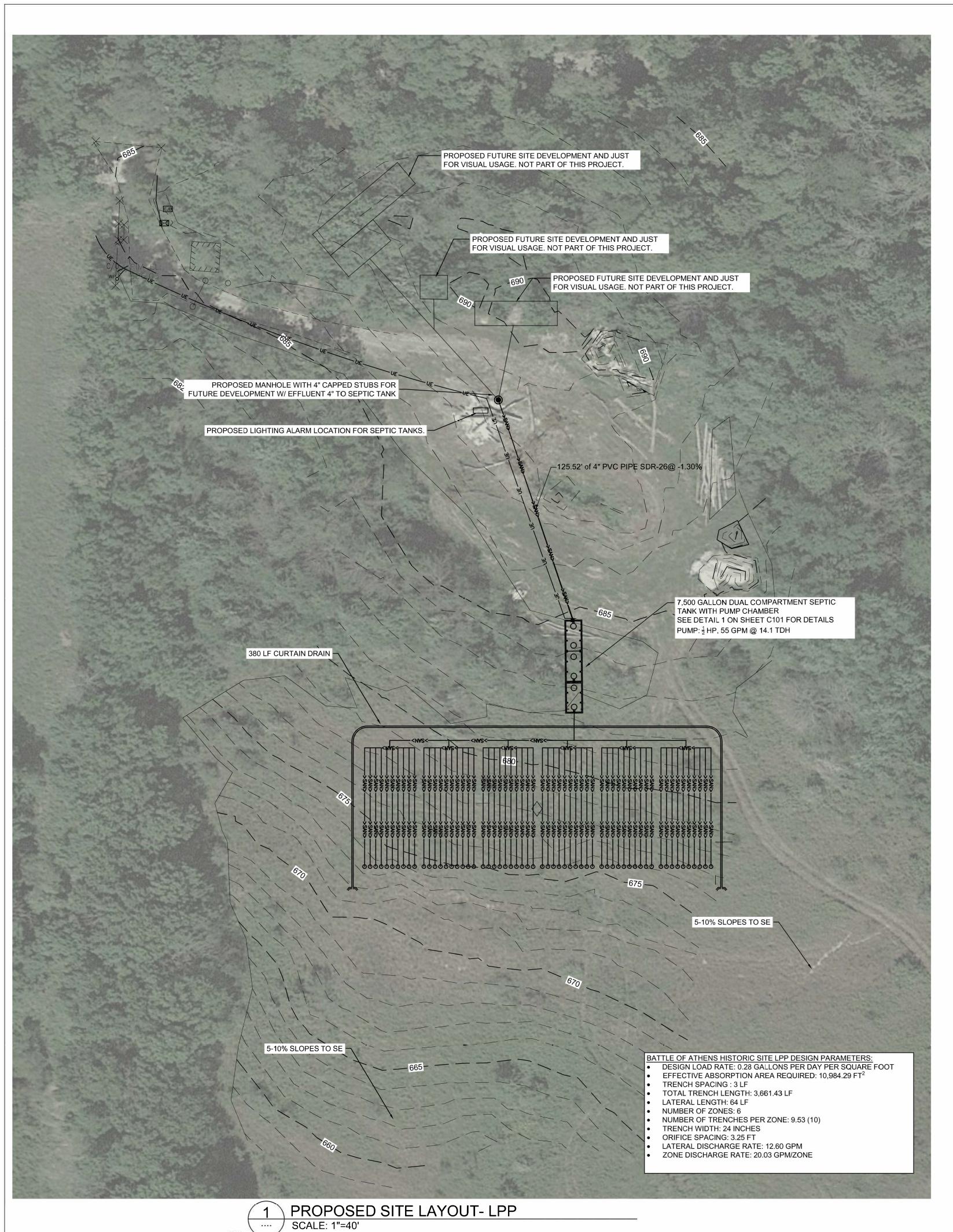
CHECKED BY: MCB/JJN DESIGNED BY: JDH/MCB/JJN

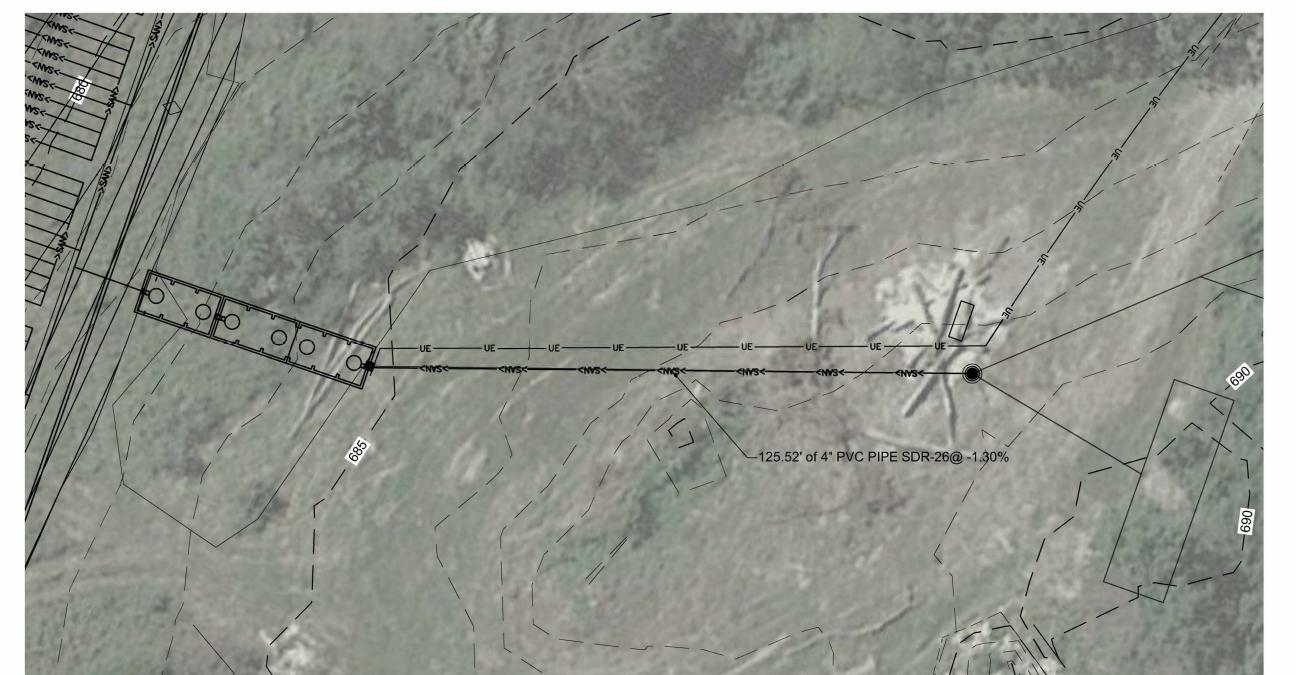
SHEET TITLE:

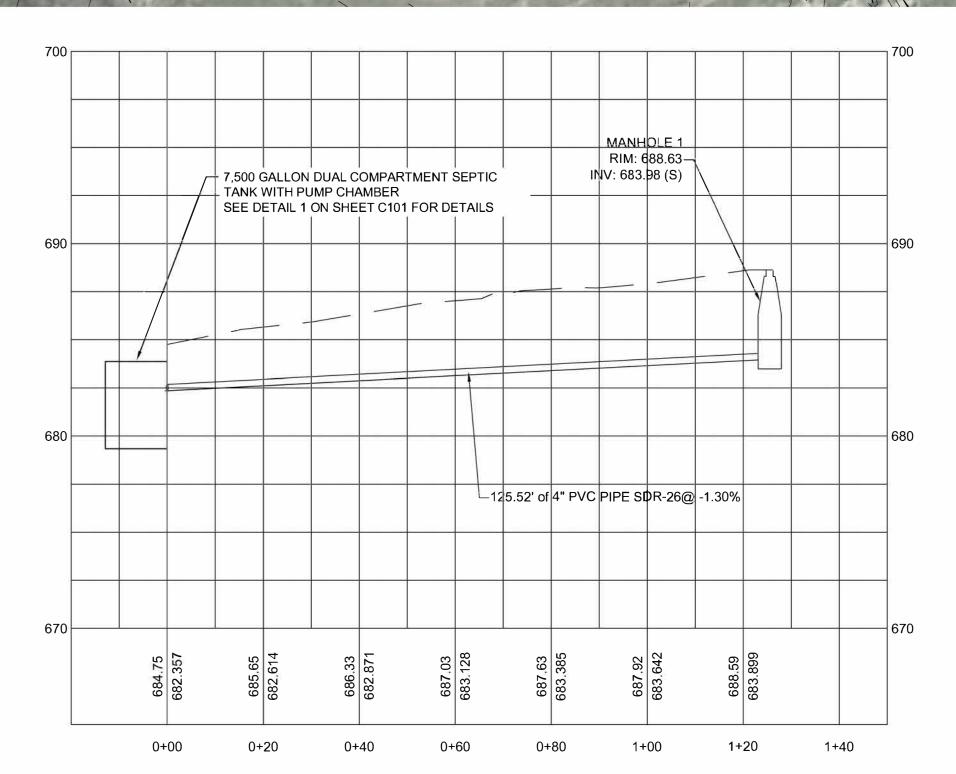
GENERAL NOTES

AND LEGENDS

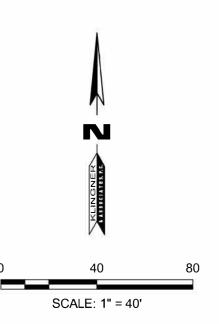
SHEET NUMBER:







SITE GRAVITY SEWER PLAN AND PROFILE
SCALE: 1"=40"



STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**

BIDDING DOCUMENTS



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

SEWER SYSTEM

12378 ATHENS STATE PARK ROAD **REVERE, MO 63465**

PROJECT # X2302-04 5103 SITE# ASSET # 7815103025

REVISION: DATE: **REVISION:** DATE **REVISION:** DATE: ISSUE DATE: 02-12-2024

CAD DWG FILE:
DRAWING BY: JDH
CHECKED BY: MCB/JJN
DESIGNED BY: JDH/MCB/JJN

SHEET TITLE:

PROPOSED SITE LAYOUT & **GRAVITY P&P**

SHEET NUMBER:

C100



ASSUMED GROUND
ELEVATION @ TANK: 682.00

EXISTING SLOPE
5-10%

ASSUMED EXISTING GROUND
GROUND ELEVATION AT END OF PIPE

ASSUMED EXISTING
GROUND ELEVATION AT END OF DRIPLINE
LATERALS:675.70

SEASONAL HIGH WATER
TABLE APPROXIMATELY
673.70

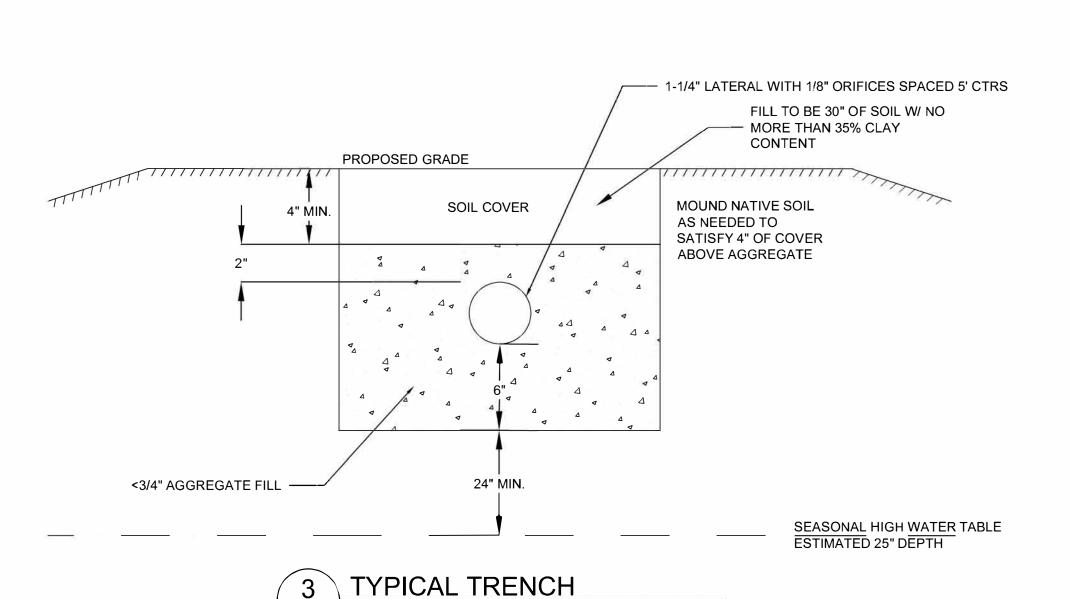
ELEVATION 682.35

NOTE:

1. MOUND SOIL OVER LPP LINES A MINIMUM OF 6". MOUNDS SHALL EXTEND A MINIMUM OF 5' BEYOND TRENCHES IN ALL DIRECTIONS. SEE TRENCH DETAIL FOR MORE INFORMATION.

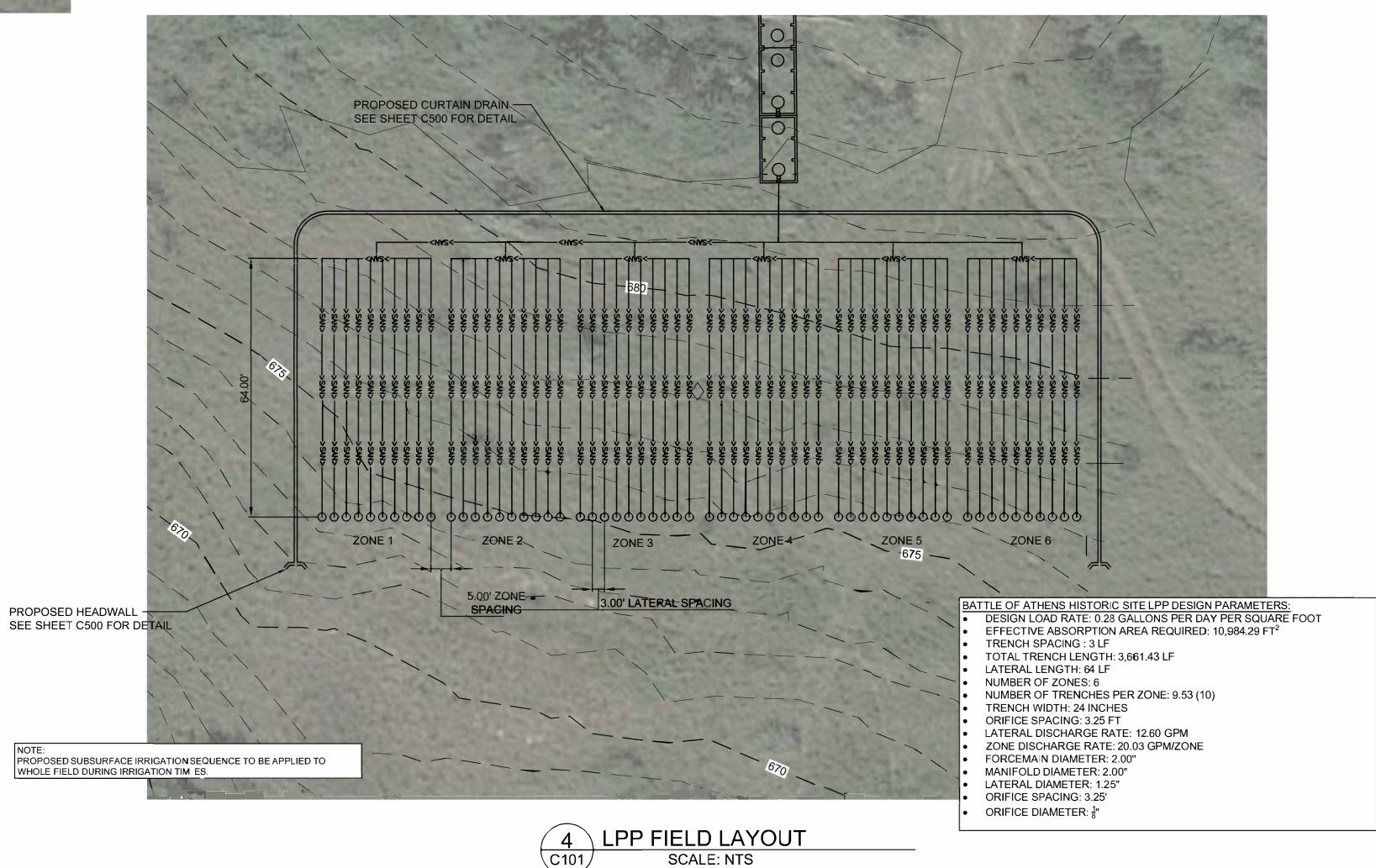
2. ELEVATIONS TO VERIFIED BY CONTRACTOR





SCALE: NTS

SCALE: NTS



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

BIDDING DOCUMENTS



Engineers • Architects • Surveyors
Columbia, Missouri
907 East Ash Street
Burlington, IL Galesburg, IL Hannibal, MO
Burlington, IA Pella, IA Davenport, IA
KLINGNER & ASSOCIATES, P.C. - ENGINEERING

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

SEWER SYSTEM

12378 ATHENS STATE PARK ROAD REVERE, MO 63465

PROJECT # X2302-04 SITE # 5103 ASSET # 7815103025

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 02-12-2024

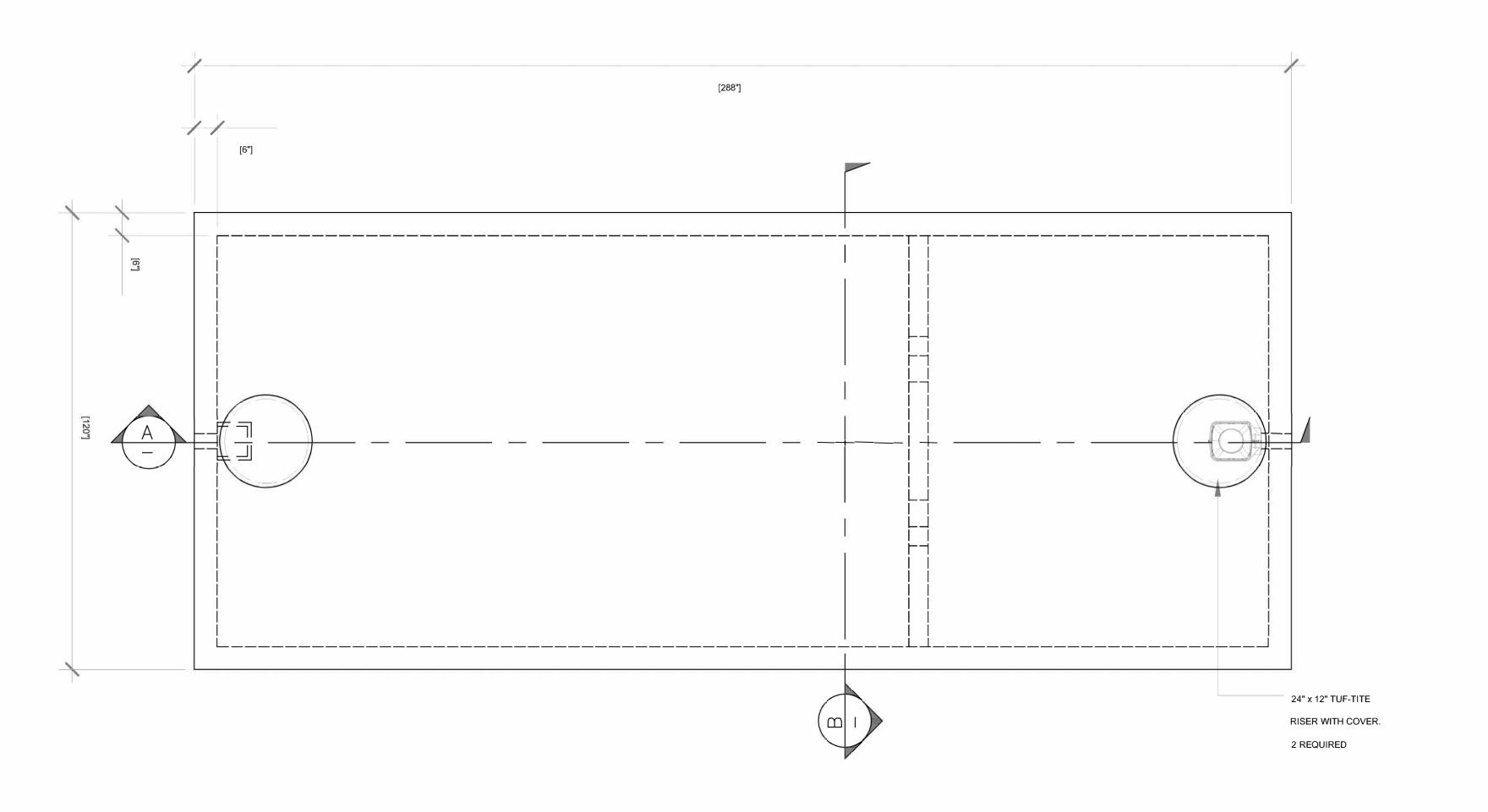
CAD DWG FILE:
DRAWING BY: JDH
CHECKED BY: MCB/JJN
DESIGNED BY: JDH/MCB/JJN

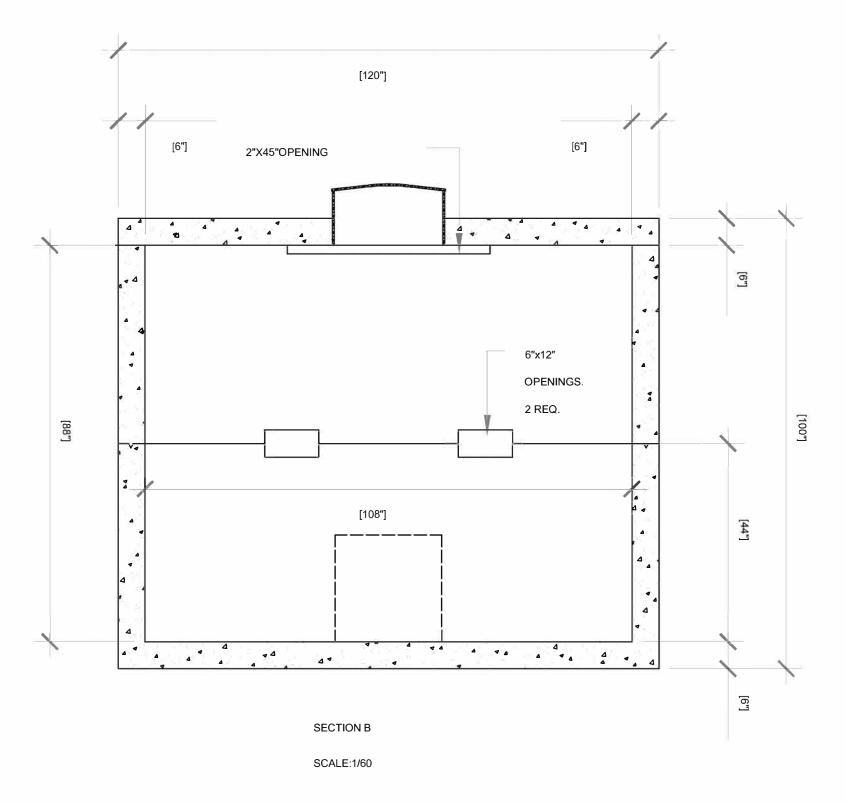
SHEET TITLE:

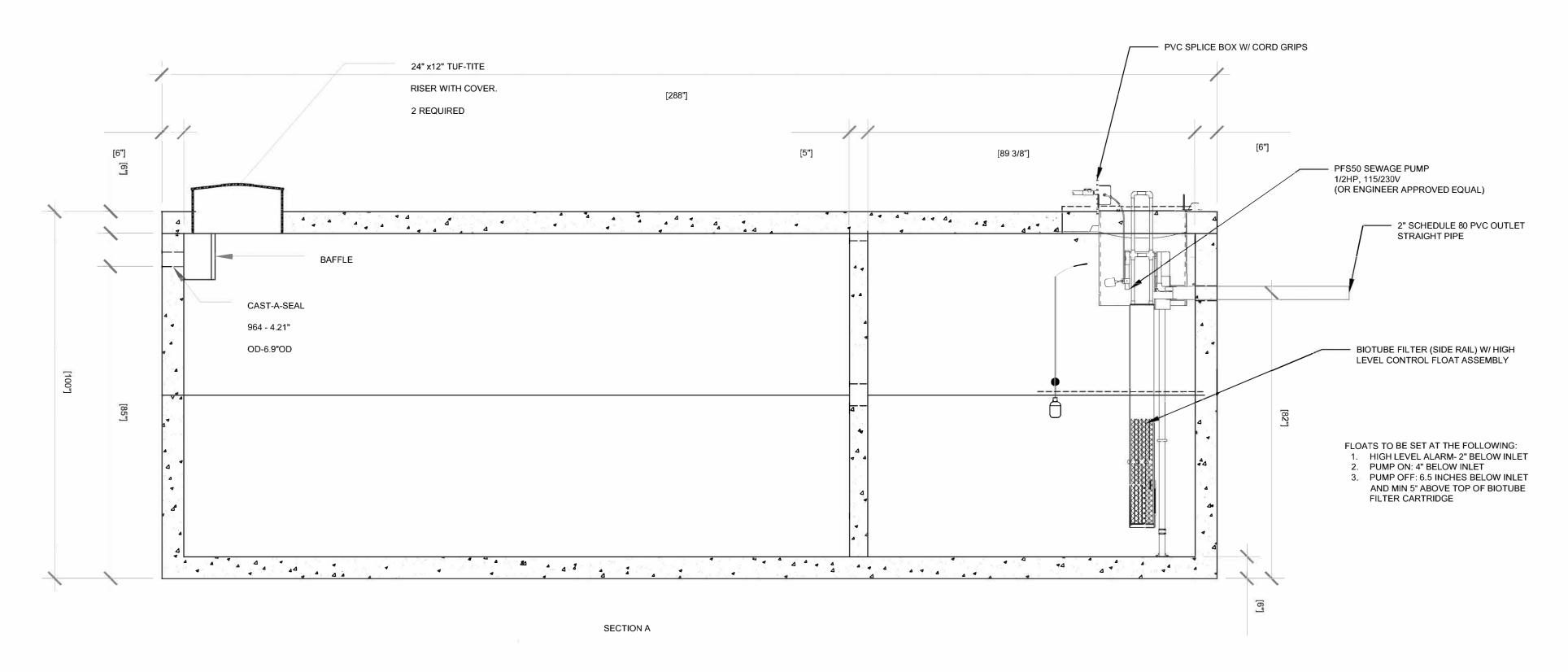
LPP DETAILS

SHEET NUMBER:

C101







BATTLE OF ATHENS HISTORIC STATE PARK 7,500 GALLON DUAL COMPARTMENT SEPTIC TANK:

TANK PARAMETERS

VOLUME: 7,500 GALLON MIN

MATERIAL: HDPE (DOUBLE WALLED), CONCRETE, OR ENGINEER APPROVED EQUAL

LENGTH: 24'

MIDTH: 10'

MANWAY ACCESS: 24" MIN

MANWAY ACCESS: 24" MIN

MAXIMUM BURIAL DEPTH: 30"

ANTI-FLOATATION: (CONTRACTOR TO FOLLOW MANUFACTURER'S RECOMMENDATIONS. THE FOLLOWING ARE ESTIMATES AND CONTRACTOR TO VERIFY OWN QUANTITIES FOR QUANTITY TAKEOFFS)

TOTAL ANCHORS: 4

ANCHOR WIDTH: 36"

ANCHOR LENGTH: 120"

ANCHOR LENGTH: 120"

ANCHOR HEIGHT: 18"

WEIGHT PER ANCHOR: 6,500.

MATERIAL SPECIFICATIONS

MINIMUM CONCRETE STRENGTH - 4,000 PSI

REINFORCEMENT - #4 REBAR IN TOP AND BOTTOM

WWF 6X6 10/10, W1.4/W1.4 IN WALLS CONSTRUCTION JOINT

SEALED WITH BUTYL RESIN SEALANT

1 PROPOSED 7,500 GALLON DUAL TANK LAYOUT
SCALE: 1"=NTS

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

BIDDING DOCUMENTS





OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

SEWER SYSTEM

12378 ATHENS STATE PARK ROAD REVERE, MO 63465

PROJECT # X2302-04 SITE # 5103 ASSET # 7815103025

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 02-12-2024

CAD DWG FILE:

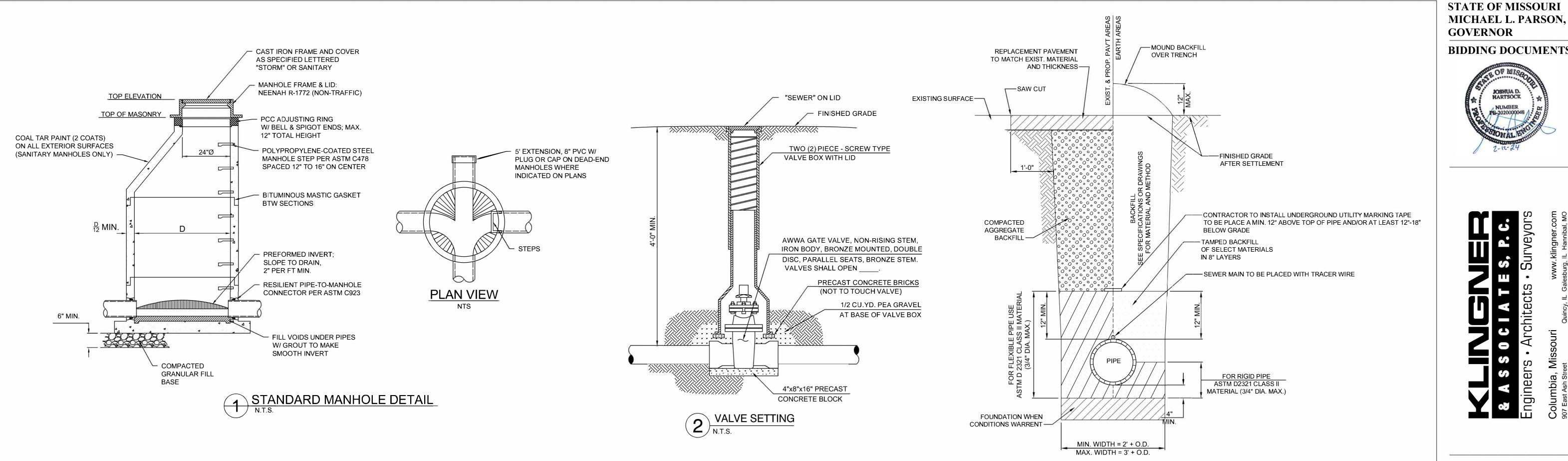
CAD DWG FILE:
DRAWING BY: JDH
CHECKED BY: MCB/JJN
DESIGNED BY: JDH/MCB/JJN

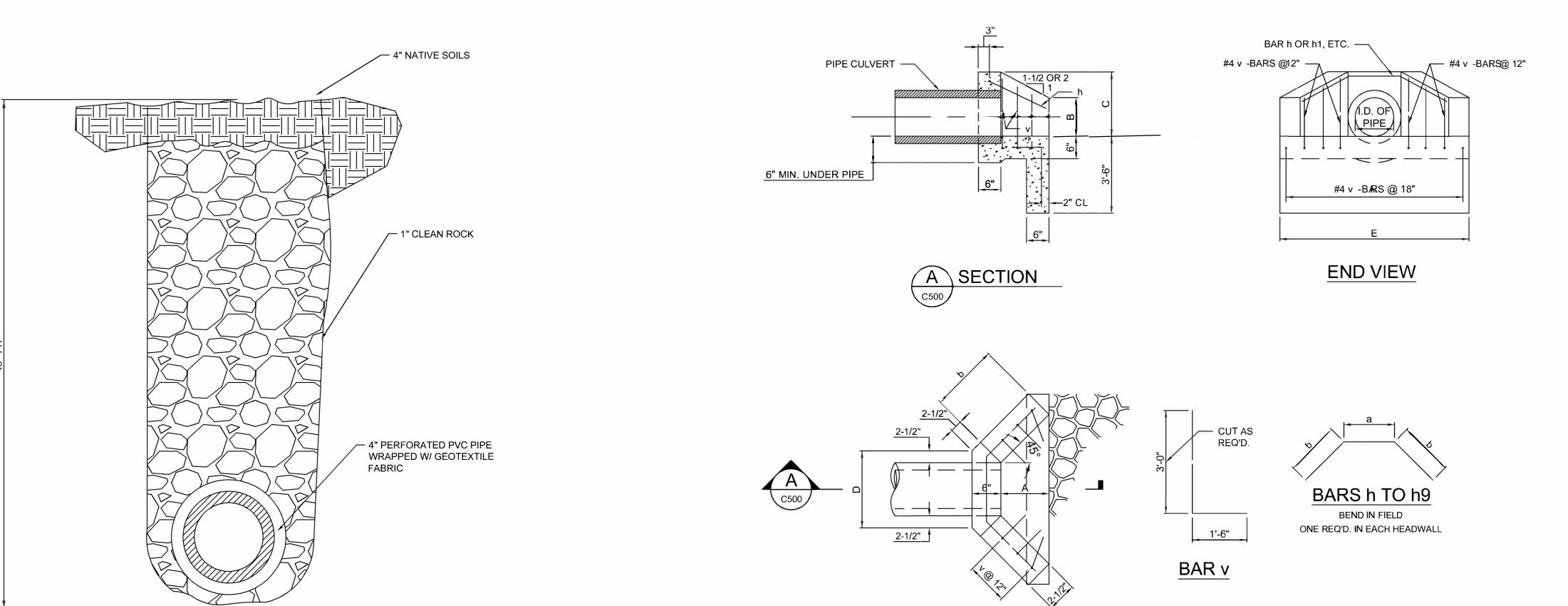
SHEET TITLE:

SEPTIC TANK DETAILS (7500 Gallon)

SHEET NUMBER:

C102





TYPICAL CURTAIN DRAIN LAYOUT
SCALE: 1"=NTS

.ngineer OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION** DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS **SEWER SYSTEM** 12378 ATHENS STATE PARK ROAD REVERE, MO 63465 PROJECT # X2302-04 5103 ASSET # 7815103025 **REVISION:**

3 SANITARY SEWER TRENCH DETAIL
N.T.S.

5 HEADWALL STRUCTURE

DATE **REVISION:** DATE: ISSUE DATE: 02-12-2024 CAD DWG FILE: DRAWING BY: JDI

BIDDING DOCUMENTS

CHECKED BY: MCB/JJN
DESIGNED BY: JDH/MCB/JJN

SHEET TITLE:

DATE **REVISION:**

MISCELLANEOUS **DETAILS**

SHEET NUMBER:

C500

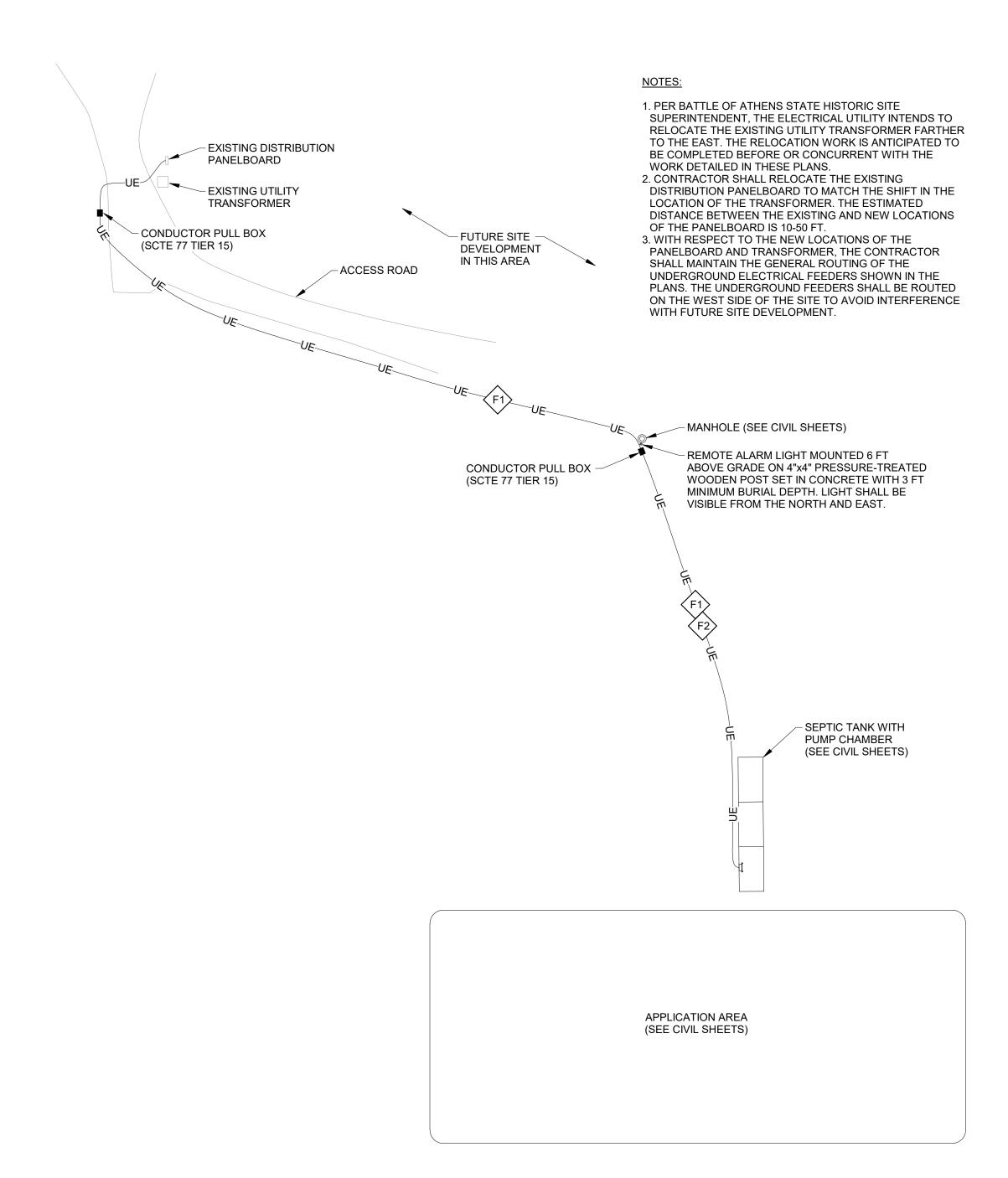
	LIGHTING FIXTURE SCHEDULE													
TAG	AG DESCRIPTION MOUNT LENS		OUTPUT	DRIVER	VOLT	LOAD	BASIS OF DESIGN			DEMARKS				
IAG	DESCRIPTION	MOONI	LENS	TYPE	COLOR TEMP.	OUTPUT	CONTROL		VOLI (W)		MODEL	ACCESSORIES	REMARKS	
		TENON				12,054			93	LITHONIA	DSXF2-LED-P3-30K-70CRI-WFL-MVOLT-IS-PE-DDBXD		SEE DRAWINGS FOR	
F1	F1 EXTERIOR SLIP-		GLASS, LEI	LED 3,000 K	10,122	0,122 INTEGRAL PHOTOCELL	120	120 85 LUMARK	NFFLD-C25-E-UNV-66-S-CB-PER	SLIPFITTER FOR 2-3/8" O.D. TENON	INSTALLATION			
FITTER		K								ENGINEER-APPROVED EQUAL		DETAILS.		

FEEDER SCHEDULE (BATTLE OF ATHENS)								
FEEDER	PARALLEL	PHASE CO	ONDUCTORS	NEUTRAL		CONDUIT		
TAG	SETS	QUANTITY	SIZE	SIZE	EGC SIZE	SIZE		
F1	1	2	#6 AWG Cu	#6 AWG Cu	#6 AWG Cu	1"		
ΕO	1	2	#10 AMC Cu	NI/A	#10 AMC Cu	4"		

ELECTRICAL SITE PLAN

1 = 30'-0"

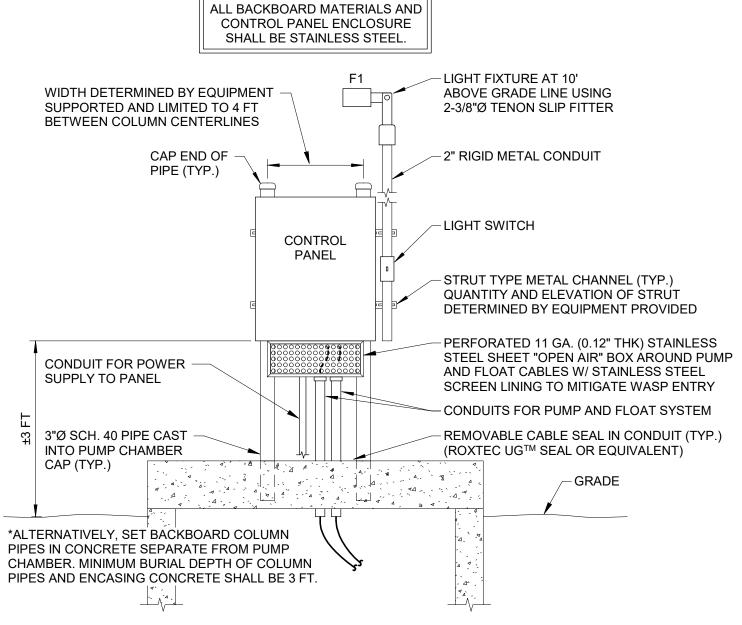
GEC SCHEDULE					
GEC TAG	GEC SIZE				
G1	#4 AWG Cu				
G2	#6 AWG Cu				

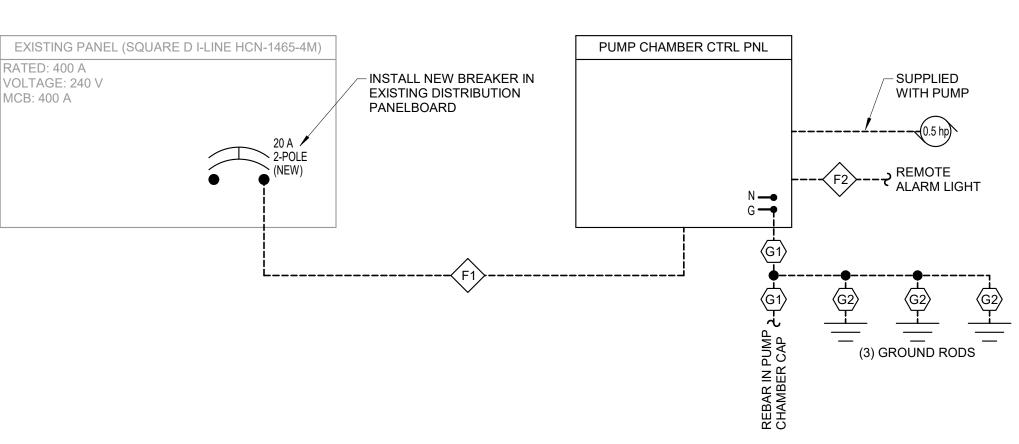


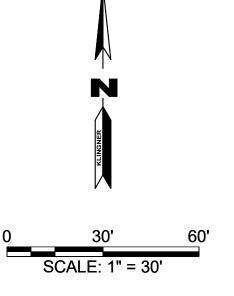
GENERAL ELECTRICAL NOTES:

AND ORDINANCES.

- 1. APPLICABLE STANDARDS: NFPA-70 AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1971 AND ALL AMENDMENTS THERETO; EQUIPMENT, DEVICES, APPARATUS, SYSTEMS, AND INSTALLATIONS SHALL BE ENTIRELY SUITABLE AND SAFE FOR EACH INTENDED APPLICATION AND BE IN FULL COMPLIANCE WITH APPLICABLE STANDARDS, REQUIREMENTS, RULES, REGULATIONS, CODES, STATUTES, ORDINANCES, ETC., OF MUNICIPAL, COUNTY, AND STATE GOVERNMENTS, OWNER'S INSURANCE COMPANY, LOCAL UTILITIES, AND LABOR REGULATIONS. NOTHING CONTAINED IN THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO CONFLICT WITH THESE LAWS, CODES,
- 2. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF SYSTEMS. INSTALL SYSTEMS AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON COORDINATION DRAWINGS.
- 3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ARRANGE FOR ALL INSPECTIONS REQUIRED BY LOCAL AUTHORITIES. 4. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, ACCESSORIES, TOOLS, EQUIPMENT, TRANSPORTATION, LABOR, SERVICES, AND OPERATIONS NECESSARY FOR
- A COMPLETE ELECTRICAL SYSTEM. 5. CONTRACTOR SHALL PERFORM EXCAVATION REQUIRED TO INSTALL HIS WORK.
- 6. COORDINATE INSTALLATION OF ELECTRICAL EQUIPMENT ON TOP OF WET WELL AND PUMP CHAMBER CONCRETE CAPS WITH LOCATION OF ACCESS HATCHES. DO NOT
- INSTALL ELECTRICAL EQUIPMENT DIRECTLY ABOVE ACCESS HATCHES. 7. ELECTRICAL UTILITY PROVIDER: LEWIS COUNTY RURAL ELECTRIC COOPERATIVE.

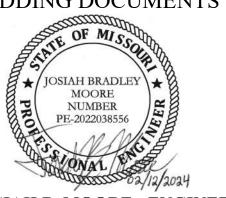






STATE OF MISSOURI MICHAEL L. PARSON,

GOVERNOR BIDDING DOCUMENTS



JOSIAH B. MOORE - ENGINEER MO # PE-2022038556

OFFICE OF ADMINISTRATION **DIVISION OF FACILITIES** MANAGEMENT, **DESIGN AND CONSTRUCTION**

SEWER SYSTEM

BATTLE OF ATHENS STATE HISTORIC SITE, 12378 ATHENS STATE PARK ROAD REVERE, MO 63465

PROJECT # X2302-04 5103 SITE# 7815103025 ASSET#

REVISION: DATE: REVISION: DATE **REVISION:** DATE: ISSUE DATE: 02/12/2024

CAD DWG FILE: E501 DRAWING BY: JBM CHECKED BY: JJN DESIGNED BY: JBM

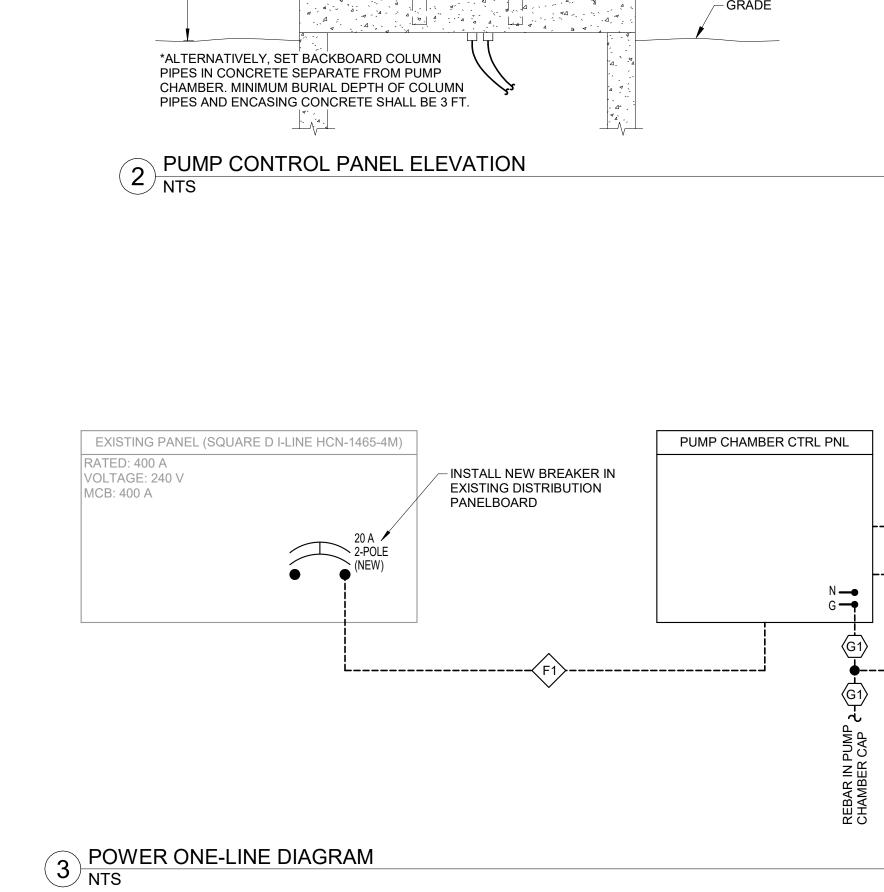
SHEET TITLE:

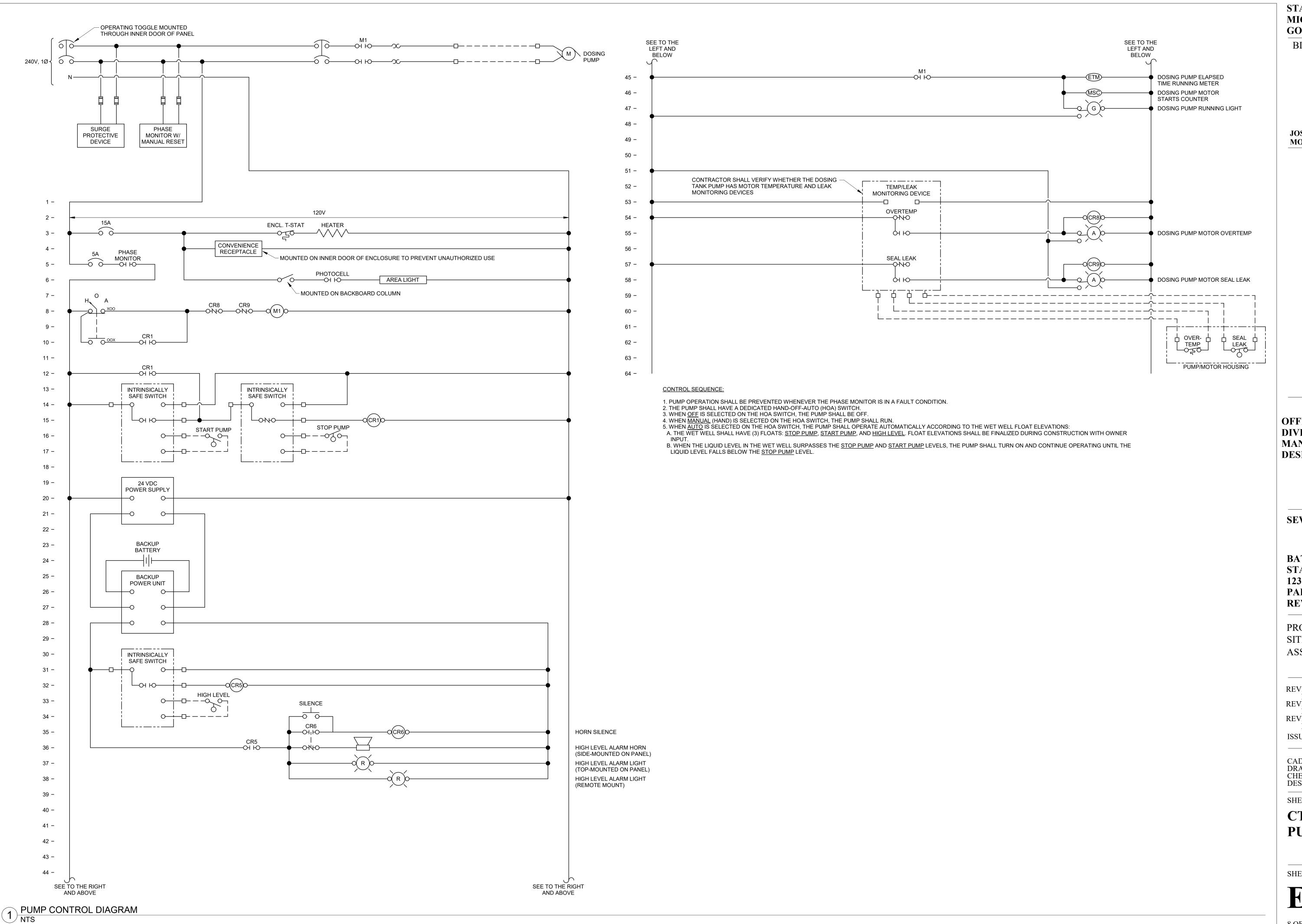
ELECTRICAL DETAILS & SCHEDULES

SHEET NUMBER:

E501

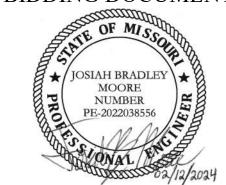
7 OF 8 SHEETS February 12, 2024





STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

BIDDING DOCUMENTS



JOSIAH B. MOORE - ENGINEER MO # PE-2022038556

& A S S O C I A T E S, P. C.
Engineers • Architects • Surveyor
Columbia, Missouri www.klingner.co

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

SEWER SYSTEM

BATTLE OF ATHENS STATE HISTORIC SITE, 12378 ATHENS STATE PARK ROAD REVERE, MO 63465

PROJECT # X2302-04 SITE # 5103 ASSET # 7815103025

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 02/12/2024

CAD DWG FILE: E801
DRAWING BY: JBM
CHECKED BY: JJN
DESIGNED BY: JBM

SHEET TITLE:

CTRL DIAGRAM – PUMP CHAMBER

SHEET NUMBER:

E801

8 OF 8 SHEETS February 12, 2024