### **ADDENDUM NO. 1**

### TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

Replace 29 Basic Sites with 25 New Premium Sites Lake of The Ozarks State Park Kaiser, Missouri PROJECT NO. X2316-01

Bid Opening Date: 1:30 PM, Thursday, July 18, 2024

Bidders are hereby informed that the Construction Plans and/or Specifications are modified as follows:

### **SPECIFICATION CHANGES:**

### 1. Section 007346 - Wage Rate

a. REPLACE Annual Wage Order No. 31 Section 066 Miller County with attached Annual Wage Order 31 Section 015 Camden County.

### 2. Appendix 1 - Storm Water Pollution Prevention Plan (SWPPP)

a. As indicated in Section 1.5 of the SWPPP, the Contractor is responsible for all aspects of the SWPPP including providing qualified inspectors, conducting all required inspections, and notifying each subcontractor of SWPPP requirements. The Contractor is also responsible for any enforcement action taken or imposed resulting from the Contractor's failure to comply with the permit provisions.

### 3. DNR Sanitary Sewer Permit

a. A Department of Natural Resources (DNR) Sanitary Sewer Construction Permit application has been submitted for this project. The construction permit will be provided to the successful bidder prior to the notice to proceed. The plans have been updated, via this addendum, to comply with the requirements to obtain this permit.

### **DRAWING CHANGES:**

### 1. Sheet C-103 – Grading Plan

a. REPLACE Sheet C-103 with attached revised Sheet C-103.

Sheet C-103 was amended to show revised sewer structures and flow lines.

### 2. Sheet C-106 - Utility Plan

a. REPLACE Sheet C-106 with attached revised Sheet C-106.

Sheet C-106 was amended to show revised sewer structures and flow lines. 7 additional manholes were added, flowlines were adjusted across the sewer plan, and the pump station panel was placed on a separate structure and aligned to face the pump station.

### 3. Sheet C-201 - Sanitary Sewer Profiles

REPLACE Sheet C-201 with attached revised Sheet C-201.

Sheet C-201 was revised to add manholes and adjust flowlines of the cleanouts and manholes. The minimum cover shown on the Force Main profile was changed to 36" minimum. Water line crossings were also added to the profiles.

### 4. Sheet C-505 - Sanitary Sewer Details

a. REPLACE Sheet C-505 with attached revised Sheet C-505.

Sheet C-505 was amended to include a force main trench detail. The wet well details were also revised to include a separate fiberglass vault for valves necessary for the lift station pump system. Additionally, a screened J-vent was added to the lift station lid.

### 5. Sheet E-101 - Site Electrical Plan

a. REPLACE Sheet E-101 with attached revised Sheet E-101.

Sheet E-101 was amended to include a separate structure for the lift station panel oriented to face the lift station. Note 5 was amended to indicate providing a 120V 20A branch circuit and GFCI receptacle installed inside the control panel for the force main.

### 6. Sheet E-601 - Site Electrical Plan

REPLACE Sheet E-601 with attached revised Sheet E-601.

Sheet E-601 was amended to modify the Electrical Panel Schedule to include the 120V 20A branch circuit inside the control panel for the force main.

### **GENERAL COMMENTS:**

- 1. The Pre-Bid Meeting was held on June 25, 2024. The Pre-Bid Meeting sign-in sheet is attached.
- 2. Please contact Paul Girouard: 573-751-4797; <a href="mailto:paul.girouard@oa.mo.gov">paul.girouard@oa.mo.gov</a> for questions regarding bidding procedures, MBE/WBE/SDVE Goals, and other submittal requirements.
- 3. The deadline for technical questions was July 11, 2024 at 12:00 PM.
- Changes to, or clarification of, the Bid Documents are only made as issued in the Addenda.
- 5. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
- 6. Current Planholders list is available online at: https://www.oafmdcplanroom.com/projects/2477/plan-holders/x2316-01-replace-29-basic-sites-with-25-new-premium-sites-lake-of-the-ozarks-state-park

- 7. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd., Suite 7A. Columbia, Missouri 65203, 573-446-7768 to order official plans and specifications.
- 8. All bids shall be submitted without additional terms and conditions, modification or reservation on the bid form with each space properly filled. Bids not on these forms will be rejected. Failure to do so will result in rejection of the bid.
- 9. MBE/WBE/SDVE participation requirements can be found in DIVISION 00. MBE/WBE/SDVE Goals: MBE 10%, WBE 10%, and SDVE 3%. NOTE: Only MBE/WBE firms certified by the State of Missouri Office of Equal Opportunity as of the date of bid opening, or SDVE(s) meeting the requirements of Section 34.074. RSMo and 1 CSR 30-5.010, can be used to satisfy the MBE/WBE/SDVE participation goals for this project. No other certifications from other Missouri certifying agencies will be accepted. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.

### **ATTACHMENTS**

- 1. Section 007346 Wage Rate
- 2. Pre-Bid Meeting Minutes
- Pre-Bid Meeting Sign-In Sheet
   Sheets C-103, C-106, C-201, C-505, E-101, E-601

July 11, 2024

**END ADDENDUM NO. 1** 

# Missouri Division of Labor Standards

WAGE AND HOUR SECTION



1

MICHAELL PARSON, GOVERNOR

## Annual Wage Order No. 31

Section 015

CAMDEN COUNTY

In accordance with Section 290.262 RSMo 2000, within thirty (30) days after a certified copy of this Annual Wage Order has been filed with the Secretary of State as indicated below, any person who may be affected by this Annual Wage Order may object by filing an objection in triplicate with the Labor and Industrial Relations Commission, P.O. Box 599, Jefferson City, MO 65102-0599. Such objections must set forth in writing the specific grounds of objection. Each objection shall certify that a copy has been furnished to the Division of Labor Standards, P.O. Box 449, Jefferson City, MO 65102-0449 pursuant to 8 CSR 20-5.010(1). A certified copy of the Annual Wage Order has been filed with the Secretary of State of Missouri.

Original Signed by

Todd Smith, Director Division of Labor Standards

Filed With Secretary of State:

March 8, 2024

Last Date Objections May Be Filed: April 8, 2024

Prepared by Missouri Department of Labor and Industrial Relations

	**Drovolling
OCCUPATIONAL TITLE	**Prevailing
OCCUPATIONAL TITLE	Hourly
Ash sates Markey	Rate \$25.63*
Asbestos Worker	
Boilermaker  Brickleyer Stane Means	\$25.63*
Bricklayer-Stone Mason	\$25.63*
Carpenter	\$52.74
Lather	
Linoleum Layer	
Millwright	
Pile Driver	
Cement Mason	\$25.63*
Plasterer	
Communication Technician	\$25.63*
Electrician (Inside Wireman)	\$58.50
Electrician Outside Lineman	\$25.63*
Lineman Operator	
Lineman - Tree Trimmer	
Groundman	
Groundman - Tree Trimmer	
Elevator Constructor	\$25.63*
Glazier	\$25.63*
Ironworker	\$71.02
Laborer	\$52.04
General Laborer	
First Semi-Skilled	
Second Semi-Skilled	
Mason	\$25.63*
Marble Mason	
Marble Finisher	
Terrazzo Worker	
Terrazzo Finisher	
Tile Setter	
Tile Finisher	
Operating Engineer	\$60.68
Group I	
Group II	
Group III	
Group III-A	
Group IV	
Group V	
Painter	\$25.63*
Plumber	\$67.99
Pipe Fitter	¥0,.00
Roofer	\$25.63*
Sheet Metal Worker	\$56.62
Sprinkler Fitter	\$66.90
Truck Driver	\$25.63*
Truck Control Service Driver	Ψ20.00
Group I	
Group II	
Group III	
Group IV	

<sup>\*</sup>The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. The public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.

<sup>\*\*</sup>The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title as defined in RSMo Section 290.210.

	**Prevailing
OCCUPATIONAL TITLE	Hourly
	Rate
Carpenter	\$25.63*
Millwright	
Pile Driver	
Electrician (Outside Lineman)	\$25.63*
Lineman Operator	
Lineman - Tree Trimmer	
Groundman	
Groundman - Tree Trimmer	
Laborer	\$49.46
General Laborer	
Skilled Laborer	
Operating Engineer	\$57.94
Group I	
Group II	
Group III	
Group IV	
Truck Driver	\$25.63*
Truck Control Service Driver	
Group I	
Group II	
Group III	
Group IV	

Use Heavy Construction Rates on Highway and Heavy construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(3).

Use Building Construction Rates on Building construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(2).

If a worker is performing work on a heavy construction project within an occupational title that is not listed on the Heavy Construction Rate Sheet, use the rate for that occupational title as shown on the Building Construction Rate Sheet.

\*The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. Public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.

<sup>\*\*</sup>The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title.

# OVERTIME and HOLIDAYS

### **OVERTIME**

For all work performed on a Sunday or a holiday, not less than twice (2x) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work.

For all overtime work performed, not less than one and one-half (1½) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work or contractual obligation. For purposes of this subdivision, "overtime work" shall include work that exceeds ten hours in one day and work in excess of forty hours in one calendar week; and

A thirty-minute lunch period on each calendar day shall be allowed for each worker on a public works project, provided that such time shall not be considered as time worked.

### **HOLIDAYS**

January first;
The last Monday in May;
July fourth;
The first Monday in September;
November eleventh;
The fourth Thursday in November; and December twenty-fifth;

If any holiday falls on a Sunday, the following Monday shall be considered a holiday.

## X2316-01 Lake of the Ozarks State Park – Replace 29 Basic Campsites with 25 Premium Campsites

#### **Pre-Bid Conference**

#### **Lake Ozark State Park Office**

Date: 6/25/2024

Time: 10:00 am

See Attached sign in sheet for attendees.

Bryan Chinn, Senior Engineer Project Manager with Office of Administration (OA)-Facilities Management, Design, and Construction (FMDC), opened the meeting at 10:00am.

Introductions of OA, Division of State Parks, and Engineering Surveys & Services staff were conducted.

Bryan began going through the Division 00 and Division 1 Specifications. Specific highlights are as follows:

- Project bid date will be July 18, 2024
- Questions will be received up to one week prior to the letting date (up to July 11, 2024)
- All questions should be sent to the OA project representative, Lorena Villalobos, and Engineering Surveys & Services Engineer, Chris Yarnell. Please include both on all email questions.
- The project is not tax exempt.
- All bid forms can be found on Missouri Buys site, and all bids shall be submitted though Missouri Buys site.
- All bid forms shall be signed in the appropriate location based on the submitter's corporation designation.
- Bids will be awarded to the lowest and responsible bidder.
- There are 200 working days and 15 bad weather days allowed for the project. Working days are defined as every day except Saturdays, Sundays, and State Holidays.
- Liquidated damages are set for the project at \$1,000.00 per day.
- Contractors shall be aware change order information is outlined in the General Provisions included in the project manual. Updated overhead and profit allowances can be found in the change order information.
- Wage rates will be updated via addendum to reflect Camden County.
- Construction will not be able to begin until November 1, 2024.
- There is owner furnished, contractor installed items included in the contract. Fire rings, picnic tables, and lantern holders will be supplied by the owner.
- There is one unit bid price item included in the contract-rock removal. The base bid includes 150 cy of rock removal. If the project underruns the quantity of rock removal, a

deduction will be made based on the price bid for rock removal. If quantities exceed 150 cy, the contractor will be compensated at the bid price rate for the overage.

- There is 1 alternate for the project-the addition of three campsites as noted on the plans.
- The project will use E-Builder for project management communications and submittals.

One question was asked following the Division 00 and Division 1 specifications, "When does the 200-day count start, from November 1?" ANSWER: The count of working days will begin at the Intent to Award notification. This is anticipated to be around August 1.

Bryan turned the presentation over to Chris Yarnell to go over project specifications. Specific highlights are as follows:

- The work area will be closed, lower and upper roads will remain open until such time as they need to be closed for grading. The contractor shall work with Parks staff to address potential access to the primitive sites to the south of the work area.
- Demolition items shall become the property of the contractor with the exceptions of specific items.
- Changes to the sewer will be coming via addendum due to change requested by the City
  of Osage Beach. Three additional manholes will be added, and adjustments to the lift
  station panel, as well as additional emergency storage in the lift station wet will was
  addressed.
- Earthwork is straight forward; the 150 cy of rock excavation is mostly in trenches.
- Roadway pavement will be at the contractor's option, the plans include a design for concrete and for asphalt. All pavement for camper pads shall be concrete, no substitutions will be allowed.
- Asphalt mixes shall be a MoDOT approved mix design.
- Concrete testing shall be the responsibility of the contractor
- The plans include trench details for sewer and water line installation as well as minimum separation requirements.
- There is a waterline construction permit included in Appendix B. There is a separate
  project to supply new water mains to the park, including this section of the
  campground. The campground water line construction permit is contingent on the
  water main project being completed.

Brian Williams, ES&S, went over the applicable land disturbance permit that the project will be constructed under and the SWPPP, included in the contract as Appendix A. It was determined that the SWPPP will be amended to indicate the contractor will be responsible for the regularly scheduled inspections required by the permit. The contractors were encouraged to install erosion and sediment control early as outlined in the plans and the SWPPP and any adjustments be documented on the SWPPP site plans as required by the permit.

Troy Wolken, Construction Manager for OA-FMDC, encouraged long lead time item submittals be submitted and ordered early.

A question was asked about who will be responsible for mowing grass. It was answered based on the contractor will be responsible for maintenance within their perimeter erosion control fencing. Parks staff will address maintenance of grass outside the perimeter controls.

Meeting was adjourned at 10:20 am, and all parties went to the project site.

At the project site, the project boundaries were pointed out as well as the approximate location of the flood plain area. It was outlined at all trees withing the project limit were to be removed except the clump noted on the plans near the vaulted toilet. A question was asked if Parks had a location to dispose of the trees, it was noted that tree disposal was to be off site by the contractor. It was reiterated there will be no burning allowed in the park.

No further questions were provided. The onsite meeting ended at approximately 11:30 pm.

# Lake of the Ozarks State Park-Replace 29 Basic Sites With 25 New Premium Sites Lake of the Ozarks State Park Office **Pre-Bid Meeting Attendance Sheet** Lake of the Ozarks State Park June 25, 2024 10:00 A.M. Project No. X2316-01

28	573-239-4244 esics a) capital material smo.	573-239-4244	Z	Capital Paving	Fric Stuckenschneider
3	575-645-6976 estimating @ prost Doilders, am	578-645-6976		PROST BULLDERS	Town Longx
	Chirty & Ses construction, com	573-72-3564	WBE	SES OUTS MURAN)	Charles Sounder
	13 257-050 ferry tobies @	513 257-050	7	BRIS	Tersy Tohias
20	573 544-5924 danrin Swamaker 1970 pgwail a	125 MS 815	2	Shuco Construction	Darrin Sweemaker
	Magi const @gmail.com	573-364-2733	Z	Don Maggi Inc. Gerenal	Denver Spurgeon Project manager
	E-Mail Address of Attendee & E-Mail Address of Individual filling out Bid Documents	Phone	MBE/WBE/ SDVE Status	Company Name & Type of Contracting	Name & Title

# Pre-Bid Meeting Attendance Sheet Lake of the Ozarks State Park-Replace 29 Basic Sites With 25 New Premium Sites Lake of the Ozarks State Park Office Lake of the Ozarks State Park June 25, 2024 10:00 A.M. Project No. X2316-01

# Lake of the Ozarks State Park-Replace 29 Basic Sites With 25 New Premium Sites Lake of the Ozarks State Park Office **Pre-Bid Meeting Attendance Sheet** Lake of the Ozarks State Park June 25, 2024 10:00 A.M. Project No. X2316-01

Resulting Silling	Project Manager Lentval Mo	Kyle Te Alete Contacting	Brian Willey Quick Enterprise SDVOSB 34-99-797 brian prediction cross with	Operations Office Quick Enterprise	Name & Title Company Name Type of Contracting
		SOLOS	P SDVOSB	SDVASB	MBE/WBE/ SDVE Status
573-631-338	(573)260-0373	573-694-0748	34-99-197		Phone
3-631-3363 bwilliamse ess-100.0000	water 6 haiser central mo.com	BIDS @ ARETECONTRACTINS.com	brian & Buickancretes Intio	636-209-8681 Kimenjuick concretesolutions con	E-Mail Address of Attendee and E-Mail Address of Individual filling out Bid Documents

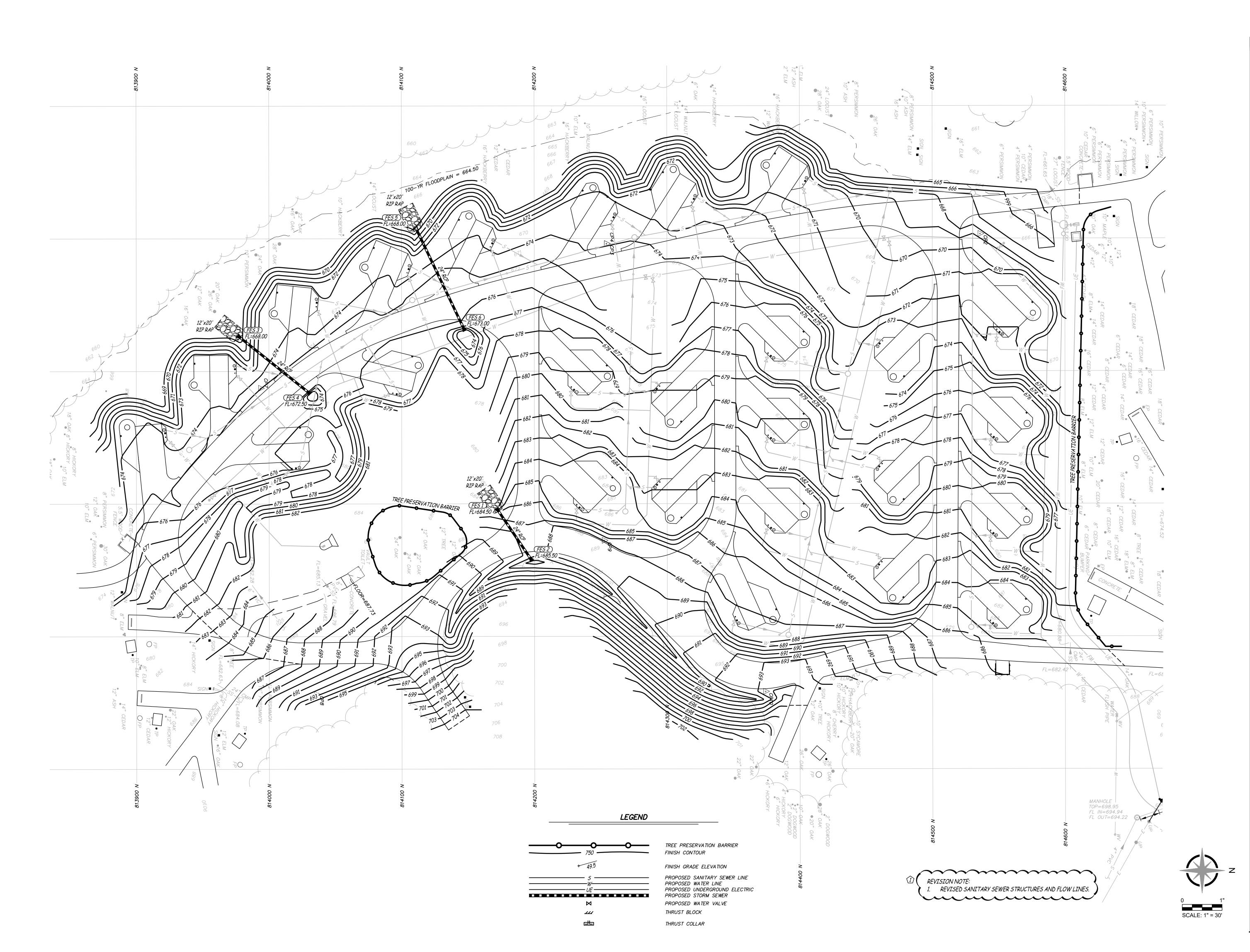
Travis Hodge Travis Habe

573-280- three windstream.

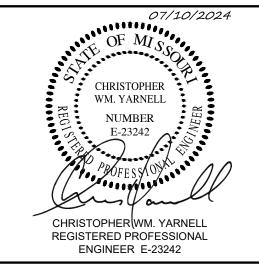
Page 3

# Lake of the Ozarks State Park-Replace 29 Basic Sites With 25 New Premium Sites Lake of the Ozarks State Park Office **Pre-Bid Meeting Attendance Sheet** Lake of the Ozarks State Park June 25, 2024 10:00 A.M. Project No. X2316-01

	573/348-264	X-	MO State Parks	Oweque Thompson
5736806754 jack crull@ca.mo.gov	5736806754		FMDC	Jack Cull
afam-enbalen & ohn-mo-gov	817-322-4192		MO STATE PARKS	ADAM ENBODEN
larry. 1663 @ dnr. no. gov	573-348-2694		MO State Parks	Kemper Vistue
ASMURCOS FORESTONICOS	513-220-7545	2	SOA EQUIPMENT BUILDERS	WAYNE TEARSON
A noaks & monor lectric com	573 761 0030		MiNew Eistenic	NOAH SCHCAS
Paul @ logen excaviling	573 690-2844		hogon Executing un	Paul Logar
E-Mail Address of Attendee and E-Mail Address of Individual filling out Bid Documents	Phone	MBE/WBE/ SDVE Status	Company Name Type of Contracting	Name & Title









OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

LAKE OF THE OZARKS
STATE PARK
REPLACE 29 BASIC SITES WITH 25
NEW PREMIUM SITES

LAKE OF THE OZARKS STATE PARK CAMPGROUND #4 MO ROUTE 134 KAISER, MISSOURI 65047 CAMDEN COUNTY

PROJECT # X2316-01 SITE # 5306 ASSET # 7815306134

REVISION: ADDENDUM #1
DATE: JULY 10, 2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 4/2/2024

CAD DWG FILE:XXX
DRAWN BY: CLR
CHECKED BY: CWY
DESIGNED BY: CWY

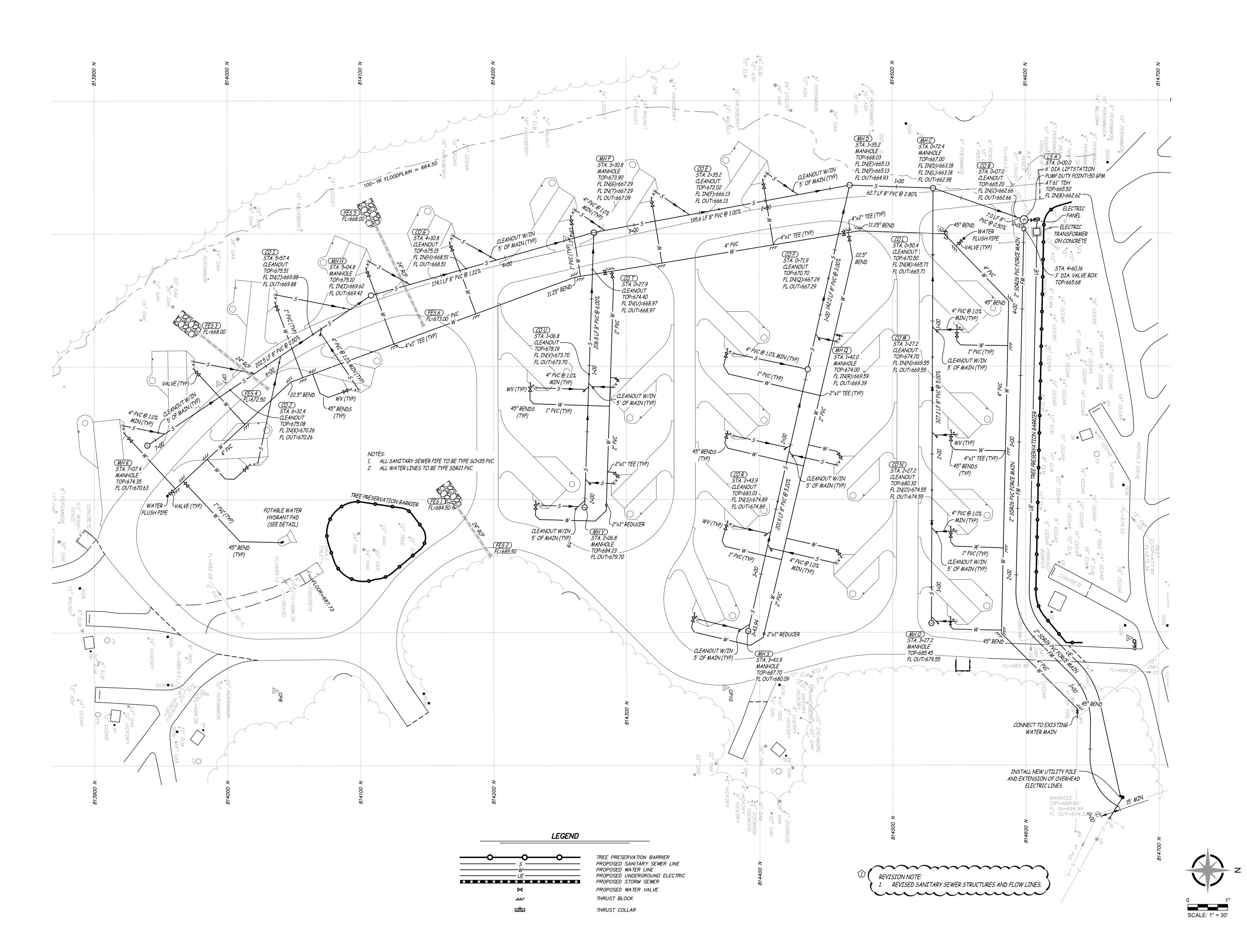
SHEET TITLE:

GRADING PLAN

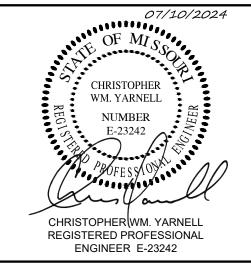
SHEET NUMBER:

C-103

5 OF 17 SHEETS 7/10/2024









OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES, DIVISION OF STATE PARKS

LAKE OF THE OZARKS
STATE PARK
REPLACE 29 BASIC SITES WITH 25
NEW PREMIUM SITES

LAKE OF THE OZARKS STATE PARK CAMPGROUND #4 MO ROUTE 134 KAISER, MISSOURI 65047 CAMDEN COUNTY

PROJECT # X2316-01 SITE # 5306 ASSET # 7815306134

_	
REVISION:	ADDENDUM #1
DATE:	JULY 10, 2024
REVISION:	
DATE:	
REVISION:	
DATE:	
ISSUE DATE	E: 4/2/2024

CAD DWG FILE:XXX
DRAWN BY: CLR
CHECKED BY: CWY
DESIGNED BY: CWY

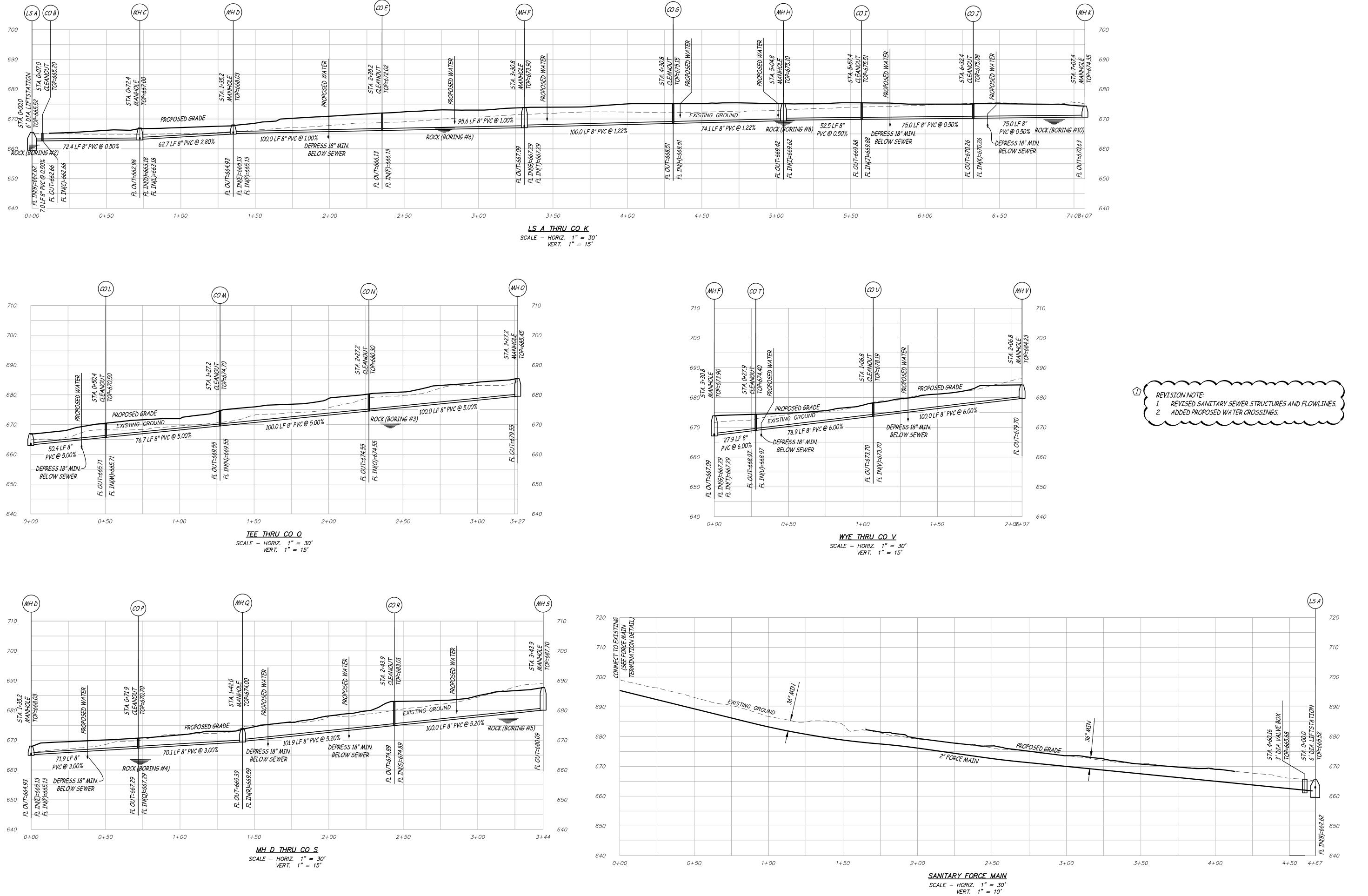
SHEET TITLE:

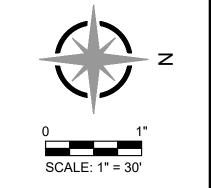
UTILITY PLAN

SHEET NUMBER:

C-106

8 OF 17 SHEETS 7/10/2024





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





OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES, DIVISION OF STATE PARKS

LAKE OF THE OZARKS
STATE PARK
REPLACE 29 BASIC SITES WITH 25
NEW PREMIUM SITES

LAKE OF THE OZARKS
STATE PARK
CAMPGROUND #4
MO ROUTE 134
KAISER, MISSOURI 65047
CAMDEN COUNTY

PROJECT # X2316-01 SITE # 5306 ASSET # 7815306134

REVISION: ADDENDUM #1
DATE: JULY 10, 2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 4/2/2024

CAD DWG FILE:XXX
DRAWN BY: CLR
CHECKED BY: CWY
DESIGNED BY: CWY

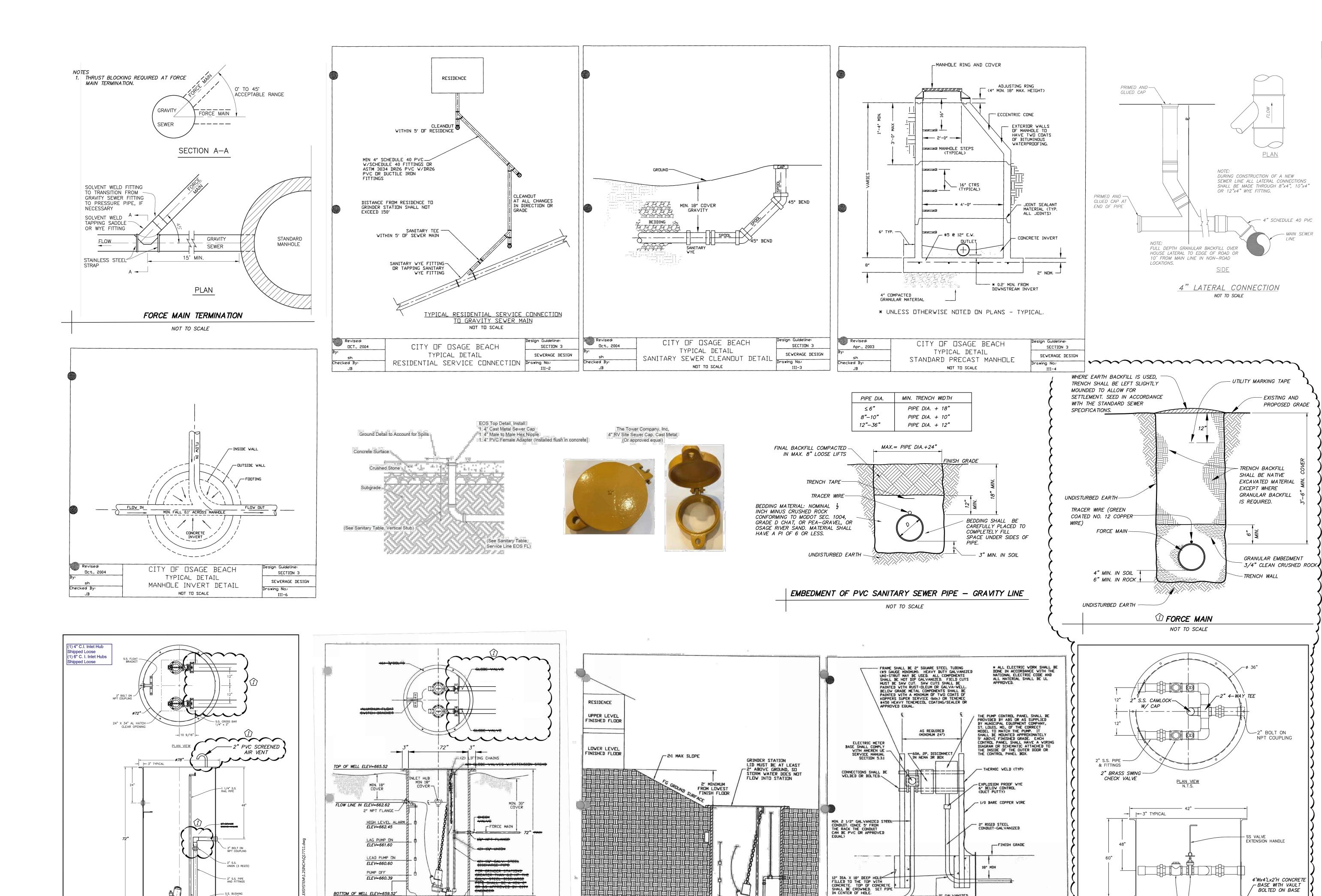
SHEET TITLE:

SANITARY SEWER PROFILES

SHEET NUMBER:

C-20

9 OF 17 SHEETS 7/10/2024



CITY OF OSAGE BEACH

TYPICAL DETAIL

WET WELL ELEVATION

2' GALVANIZED STEEL-LONG RADIUS 90 DEGREE BEND CONDUIT

CITY OF OSAGE BEACH

TYPICAL DETAIL

GRINDER STATION RACK

NOT TO SCALE

B' COPPER CLAD GROUNDING ROD

Design Guideline SECTION 3

Drawing No:

SEWERAGE DESIG

III-9A

L30' MINIMUM DEPTH OF CONDUIT

OCTOBER 2004

SECTION 3

SEWERAGE DESIGN

BOTTOM OF WELL ELEV=659.52'

DCT.;2004

Checked By:

CITY OF OSAGE BEACH

TYPICAL DETAIL

DUPLEX PUMP STATION

SECTIONAL ELEVATION VIEW

STEELE PLASTICS, INC. P.O. Box 1076 / 1280 Sturgis Rd. Conway, AR 72033 (501) 327-5122 Fax (501) 327-0807

– 10' SQUARE, 2' THICK CONCRETE BASE. PLACE BASIN ON TOP OF

lesign Guideline:

Drawing No.: III-8

FIRST 12" LIFT, THEN POUR NEXT 12" LIFT AROUND BASIN

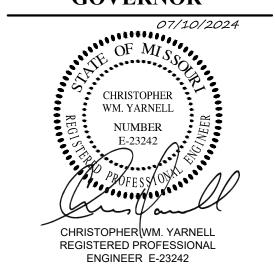
SECTION 3

SEWERAGE DESIGN

NDV.,2009

Checked By

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



ering

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

### **DEPARTMENT OF** NATURAL RESOURCES, **DIVIISON OF STATE PARKS**

LAKE OF THE OZARKS STATE PARK **REPLACE 29 BASIC SITES WITH 25** NEW PREMIUM SITES

LAKE OF THE OZARKS STATE PARK CAMPGROUND #4 MO ROUTE 134 KAISER, MISSOURI 65047 CAMDEN COUNTY

PROJECT # X2316-01 5306 7815306134 ASSET #

> REVISION: ADDENDUM #1 DATE: JULY 10, 2024 **REVISION** DATE REVISION ISSUE DATE: 4/2/2024

CAD DWG FILE:XXX DRAWN BY: CLR CHECKED BY: CWY DESIGNED BY: CWY

SHEET TITLE:

SANITARY SEWER **DETAILS** 

SHEET NUMBER:

14 OF 17 SHEETS

— 2" BRASS

SECTIONAL ELEVATION VIEW (1)
N.T.S.

GATE VALVE

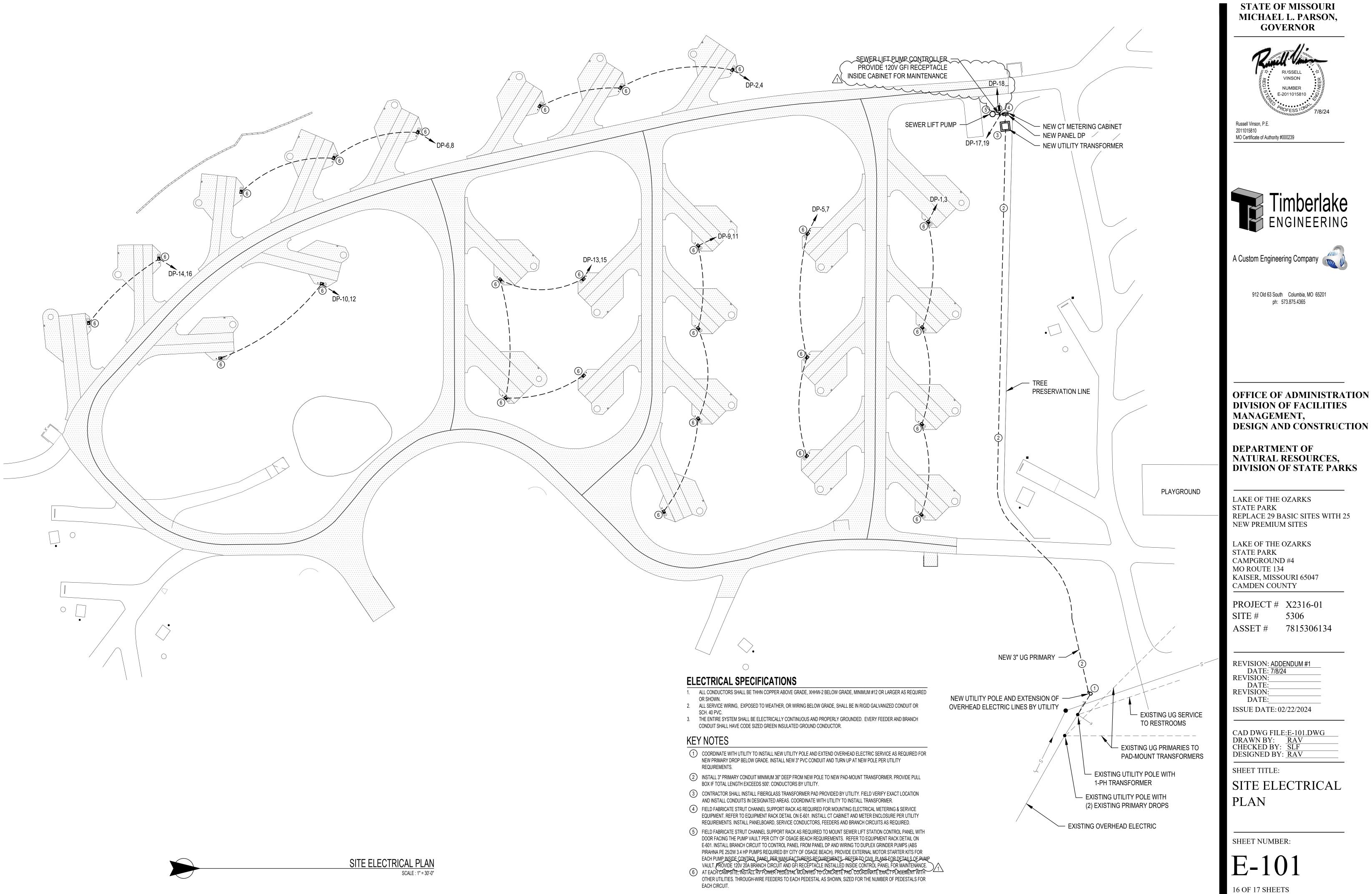
VALVE BOX PACKAGE DUPLEX - 2" S.S. PIPE

DWG. NO. PVBD300-SS

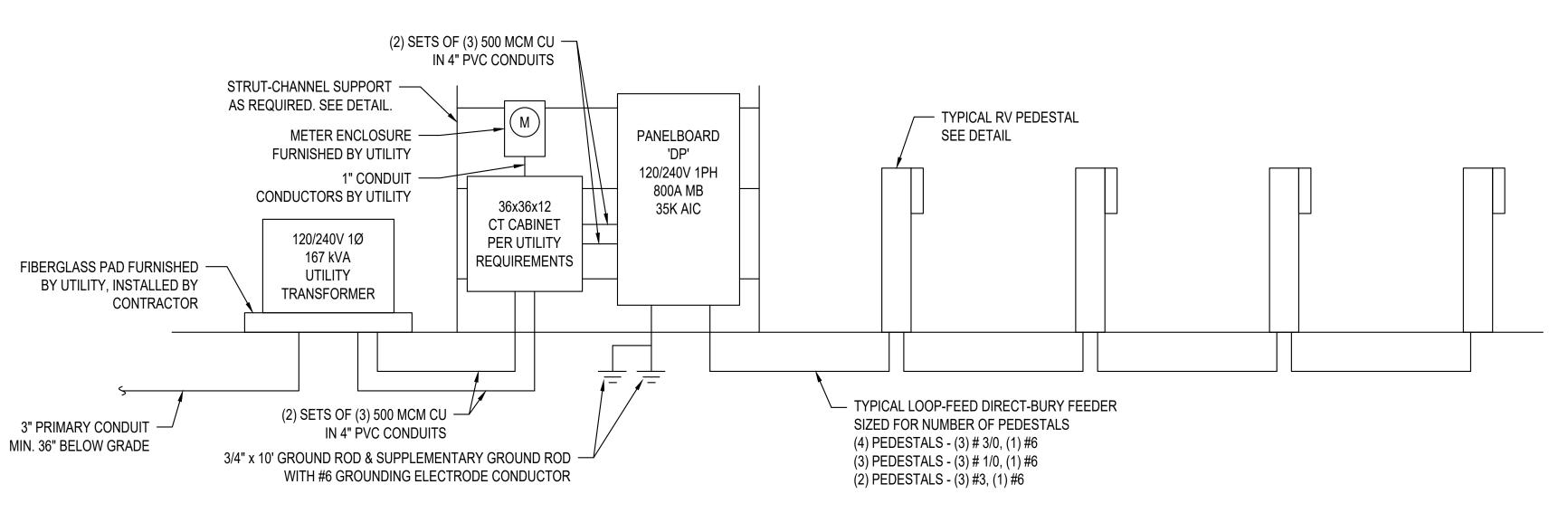
" BRASS SWING ----

CHECK VALVE

STEELE PLASTICS, INC.



02/22/2024



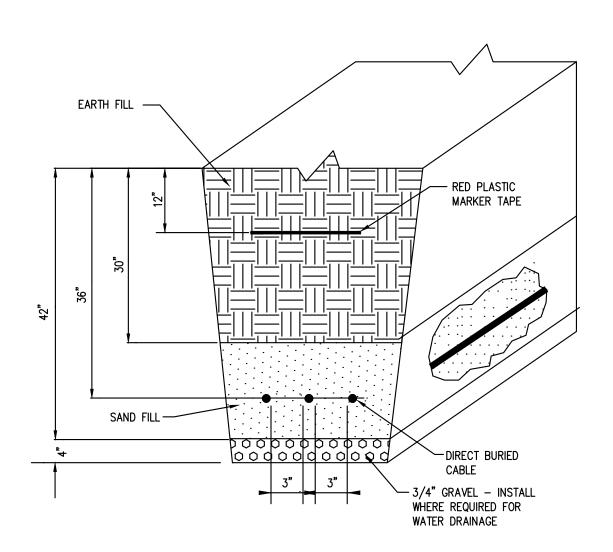
## **ELECTRICAL RISER DIAGRAM**

ELECT	RICAL PANEL SCHEDULE						PANEL NO.	DP
VOLTS:	120/240	MAIN	CAPACITY:	800	A MB		"A" AMPS =	1264.8
PHASE:	1		MOUNTING:	SUR	RFACE		"B" AMPS =	1263.3
WIRE:	(2 SETS) 500 MCM CU	BUSS	MATERIAL:	COI	PPER			
AIR:	35K AIC	SQUAR	E D MODEL:	I-L	INE			
CKT.	LOCATION/DESC.	BREAKER	AMPS	PH.	AMPS	BREAKER	LOCATION/DESC.	CKT.
1	4 RV SITES	200-2	200	Α	150	150-2	3 RV SITES	2
3	\	1	200	В	150	1	1	4
5	3 RV SITES	150-2	150	Α	150	150-2	3 RV SITES	6
7	\	1	150	В	150	1	1	8
9	4 RV SITES	200-2	200	Α	100	100-2	2 RV SITES	10
11	\	\	200	В	100	1	1	12
13	4 RV SITES	200-2	200	Α	100	100-2	2 RV SITES	14
15	1	1	200	В	100			16
17	SEWER LIFT STATION (3.4 HP DUPLEX)	35-2	13.3	Α	1.5	20-1	SEWER LIFT STATION GFI RECEPT.	18
19	\	1	13.3	В			SPACE	20~
21	SPACE			Α			SPACE	22
23	SPACE			В			SPACE	24
25	SPACE			Α			SPACE	26
27	SPACE			В			SPACE	28
29	SPACE			А			SPACE	30
31	SPACE			В			SPACE	32
33	SPACE			Α			SPACE	34
35	SPACE	- All manufactures and a second secon		В			SPACE	36
37	SPACE			Α			SPACE	38
39	SPACE			В			SPACE	40
41	SPACE			Α			SPACE	42

NOTE: ELECTRICIAN TO VERIFY ALL EQUIPMENT POWER REQUIREMENTS PRIOR TO ANY EQUIPMENT & BREAKER PURCHASE OR INSTALLATION.

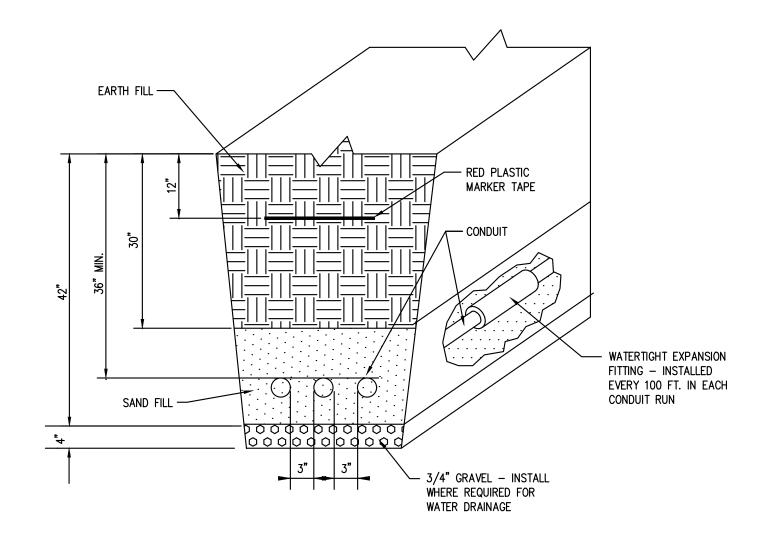
PROVIDE WITH LOCKABLE NEMA 3R CABINET

PER NEC TABLE 551.73(A) THE CALCULATED DEMAND FACTOR APPLIED FOR 25 RV SITES IS 42%. THE TOTAL CALCULATED SERVICE DEMAND IS 538.3 AMPS.

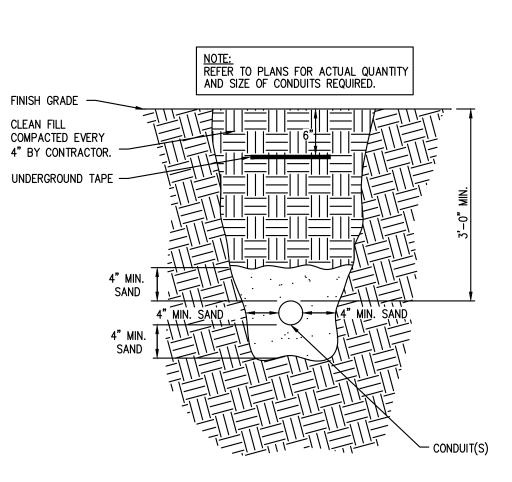


INSTALLATION OF DIRECT BURIED

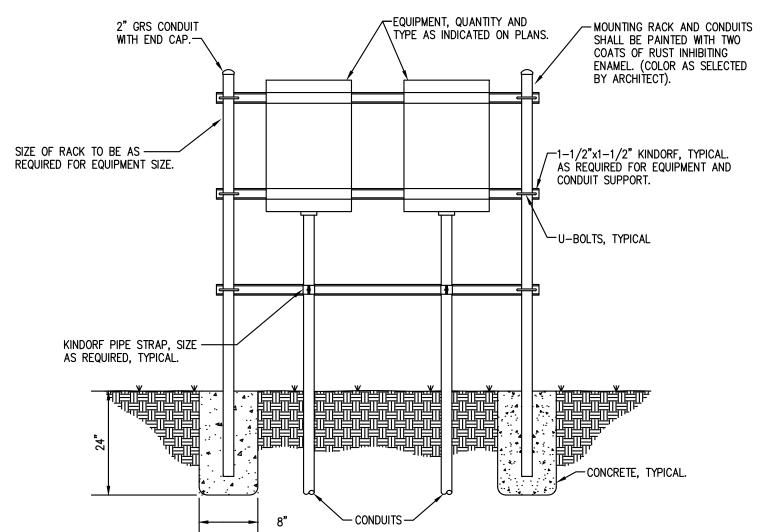
UNDERGROUND CABLES NOT TO SCALE



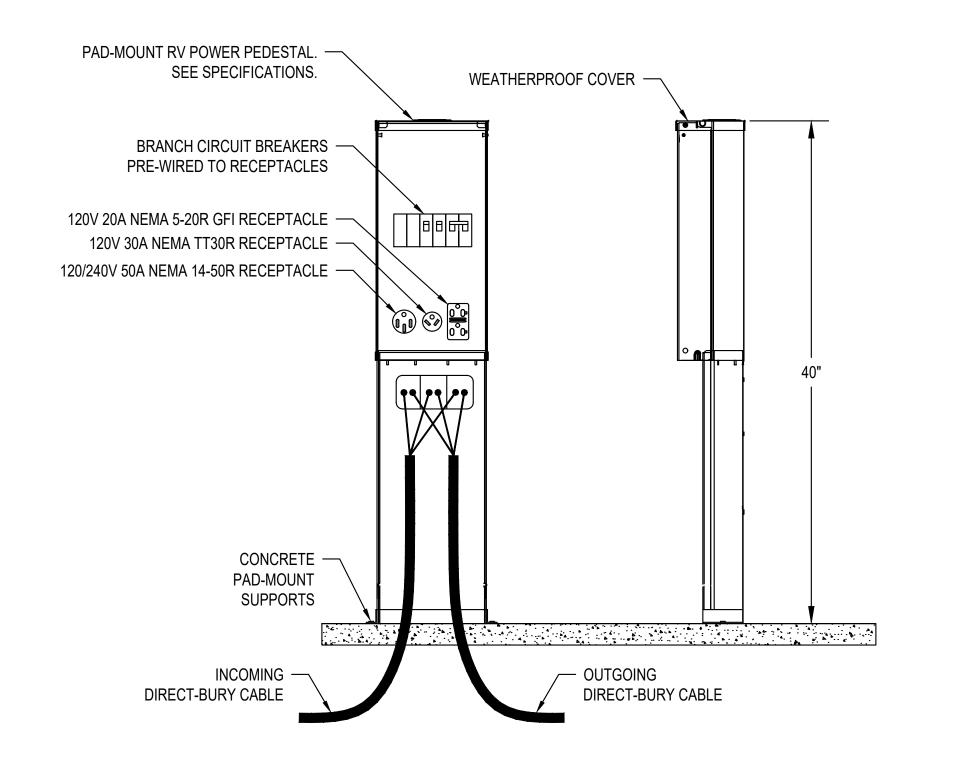
INSTALLATION OF UNDERGROUND PRIMARY CONDUITS NOT TO SCALE



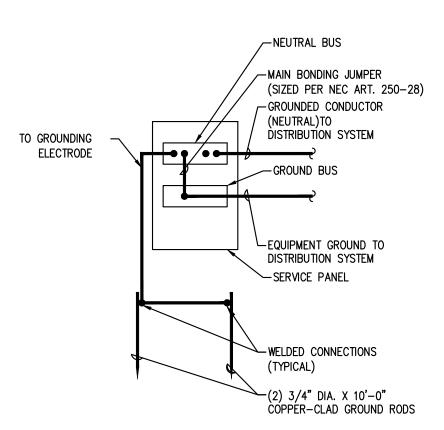
UNDERGROUND PRIMARY CONDUIT TRENCH DETAIL



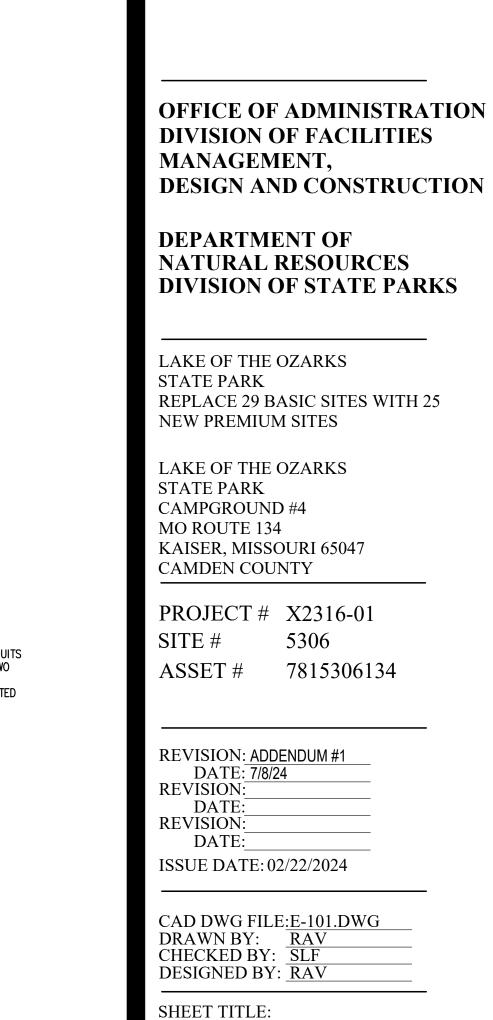
EQUIPMENT RACK MOUNTED AT GRADE DETAIL NOT TO SCALE



## **RV CAMPSITE POWER PEDESTAL**



SERVICE GROUNDING ELECTRODE CONNECTION DETAIL



ELECTRIC

SHEET NUMBER:

**SCHEDULES** 

AND DETAILS

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

Russell Vinson, P.E.

MO Certificate of Authority #000239

A Custom Engineering Company

912 Old 63 South Columbia, MO 65201

ph: 573.875.4365

5306

7815306134

2011015810

17 OF 17 SHEETS 02/22/2024