

Rebid

Campground Loop 5-Asphalt Improvements

Montauk State Park

Salem, Missouri

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C-103	CAMPGROUND LAYOUT & DETAIL

olsson

Olsson, Inc. Engineering MO State Cert. of Authority #001592

550 St. Louis St.

Springfield, MO 65806

Olsson # 021-09065

TEL 417.890.8802

www.olsson.com

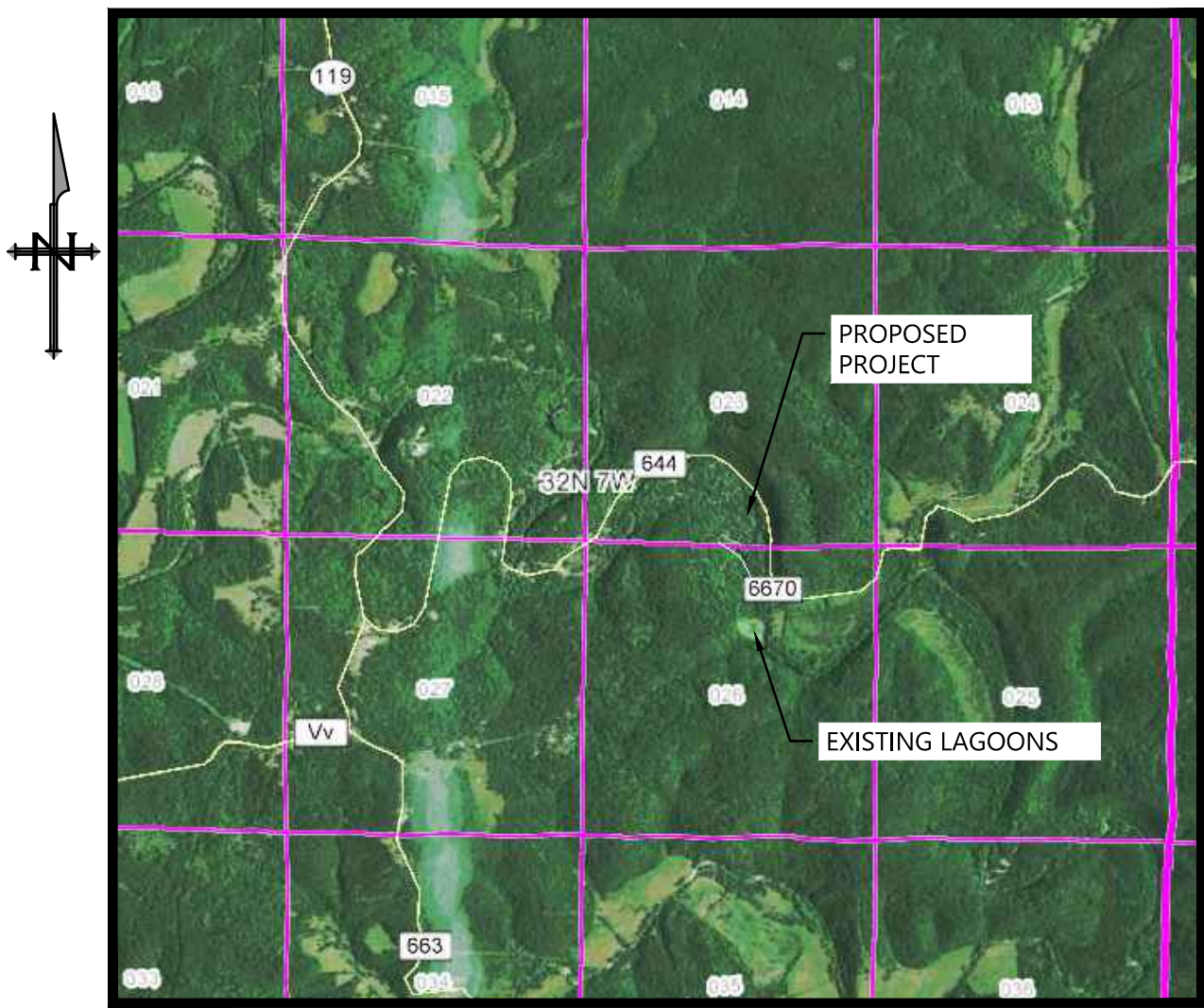
OWNER:

STATE OF MISSOURI
MIKE L. KEHOE,
GOVERNOR

DEPARTMENT OF
NATURAL RESOURCES
DIVISION OF STATE PARKS

PROJECT
MANAGEMENT:

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION



VICINITY MAP



DESIGNER:

OLSSON, INC.
550 ST. LOUIS STREET
SPRINGFIELD, MO. 65806

PROJECT NUMBER:

X2204-03

SITE NUMBER:

5307

FACILITY NUMBER:

7815307048

UNDERGROUND UTILITY NOTE

ANY UNDERGROUND FACILITIES, STRUCTURES, OR UTILITIES THAT HAVE BEEN SHOWN ARE FROM AVAILABLE RECORDS. THEREFORE, THE RELATIONSHIP BETWEEN THE NEW WORK AND THE EXISTING FACILITIES, STRUCTURES, OR UTILITIES MUST BE CONSIDERED APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL THE LOCAL, AND/OR GOVERNING UTILITY COMPANIES PRIOR TO CONSTRUCTION TO DETERMINE THEIR EXACT LOCATIONS AND THE EXISTENCE OF ANY NOT SHOWN. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AND THE OWNER AS TO THE RELOCATION OR REMOVAL OF ANY UTILITIES SHOWN OR NOT SHOWN

CONSTRUCTION
DOCUMENTS

SHEET NUMBER:

G-100

1 OF 5 SHEETS
FEBRUARY 24, 2026

DWG: \\oa\ad\oaconsulting.com\nts-inst\projects\2021\09001-09065\40-Design\AutoCAD\Asphat Improvements\Sheets\GNV\X2204-03-5307-7815307048-C-100.dwg
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LEGEND			
	Found Iron Monument (As Noted)		Telephone Riser
	Set 1/2" Rebar w/Plastic Cap		Telephone Manhole
	Benchmark		Traffic Signal Pole
	Air Conditioner		Water Meter
	Bollard		Water Valve
	Cable Box		Sprinkler Control Valve
	Cable Vault		Bush
	Electric Box		Coniferous Tree
	Electric Box		Deciduous Tree
	Electric Meter		
	Electric Vault	SS	Ex. Sanitary Sewer Line
	Fire Hydrant	SD	Ex. Storm Sewer Line
	Fiber Optic Box	P-UG	Ex. Underground Electric
	Fiber Optic Pedestal	FO	Ex. Fiber Optic Line
	Gas Meter	TEL	Ex. Telephone Line
	Gas Valve	W	Ex. Water Line
	Grate Inlet	P-OH	Ex. Overhead Power Line
	Gas Vault	GAS	Ex. Gas Line
	Guy Wire	X	Barbed Wire Fence
	Light Pole	O	Iron Fence
	Mail Box		Wood Fence
	Parking Meter	SS	Prop. 8" Sanitary Sewer Line
	Power Pole	4"SS	Prop. 4" San. Sewer Service
	Power Pole w/Light	3"W	Prop. 3" Water Line
	Sanitary Cleanout	2"W	Prop. 2" Water Line
	Sanitary Manhole	1"W	Prop. 1" Water Line
	Storm Manhole	900	Ex. Contour
	Sign	900	Prop. Contour
	Telephone Cabinet	TP=900.00	Top of Pavement
	Telephone Pedestal	GR=900.00	Finished Ground
		FL=900.00	Flow Line

C-101

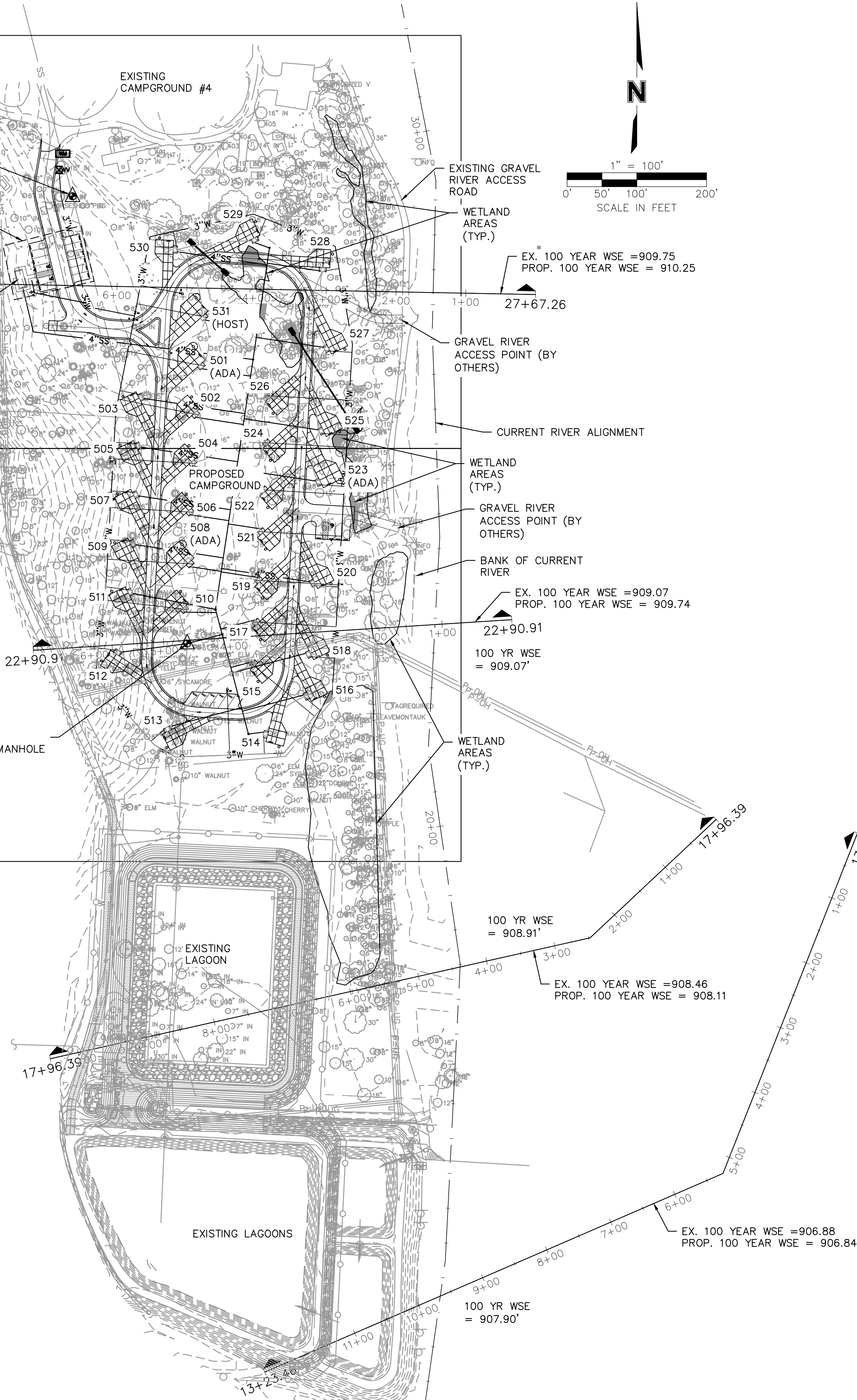
C-102

BENCH MARK #1
SANITARY SEWER MANHOLE
RIM ELEV.=909.44

BID ALTERNATE #1, REFER
TO SHEETS C-103 &
C-304.

BATH HOUSE BY OWNER.
REFER TO SPEC SECTION
129300 "SITE FURNISHING"
FOR GC REQUIREMENTS.

BENCH MARK #2
SANITARY SEWER MANHOLE
RIM ELEV.=907.40



GENERAL NOTES:

1. ALL TRAFFIC CONTROL SHALL BE IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
2. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINES PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL "1-800-DIG-RITE", AND COORDINATE FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING GRADING ACTIVITIES. !!STOP!! CALL BEFORE YOU DIG!
3. THE CONTRACTOR SHALL NOT CHANGE OR DEViate FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER AND ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL PERMITS AND PAY ALL FEES AS REQUIRED BY THE CONSTRUCTION COVERED IN THESE PLANS.
5. ALL WORK AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE.
6. ANY ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL QUANTITIES. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS AS SHOWN ON PLANS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PUBLIC AND CAMPGROUND ROADS IN THE VICINITY OF THE JOB SITE CLEAN AND FREE OF ROCKS, SOIL AND DEBRIS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF THE TURF AREAS AND FOR DAMAGED IMPROVEMENTS SUCH AS PAVEMENT AND UTILITIES. DAMAGED IMPROVEMENTS SHALL BE REPAIRED IN CONFORMANCE WITH THE LATEST STATE STANDARDS AND THE STATES SATISFACTION.
9. THE CONTOUR LINES AND SPOT ELEVATIONS SHOWN ARE TO FINISH GRADE FOR SURFACE OF PAVEMENT, TOP OF SIDEWALKS AND CURBS, ETC. REFER TO TYPICAL SECTIONS FOR PAVING AND AGGREGATE BASE THICKNESS TO DEDUCT FOR GRADING LINE ELEVATIONS.
10. ALL EXTERIOR CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI AND BE AIR ENTRAINED. FLY ASH IS NOT A SUITABLE REPLACEMENT FOR PORTLAND CEMENT.
11. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS (APPROVED BY THE STATE OF MISSOURI) AND ONE (1) COPY OF THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE SITE AT ALL TIMES.
12. ALL REFERENCES CONTAINED WITHIN THESE PLANS ARE HEREBY REFERENCED TO THE OWNER'S ENGINEER, OLSSON, INC.
13. KEEP THE ROCK, MUD AND DIRT OFF OF PUBLIC STREETS DURING CONSTRUCTION.
14. THE CONTRACTOR IS TO RETAIN FLOATABLE WIND BLOWN MATERIALS ON SITE BY STORING ALL TRASH IN ENCLOSURES UNTIL PROPER DISPOSAL AT AN OFF-SITE FACILITY. CONTRACTOR TO CHECK ADJACENT AREAS DAILY AND PICK UP CONSTRUCTION WASTE MATERIALS AND DEBRIS THAT HAVE BLOWN OR WASHED OFF-SITE.
15. CONSTRUCTION ACCESS TO THE SITE SHALL BE LIMITED TO THE APPROVED TEMPORARY CONSTRUCTION ENTRANCE(S) AS SHOWN ON SHEET C-101.
16. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ANY EXISTING STREET, CURB AND GUTTER, SIDEWALK AND DRIVEWAYS UNLESS SHOWN TO BE REMOVED.
17. VEHICLES IN EXCESS OF LEGAL OR POSTED LOADS WILL NEED TO APPLY TO STATE PARKS FOR PERMISSION TO CROSS PARK-OWNED STRUCTURES. WHERE NECESSARY ON PUBLIC ROADS, PERMITS SHOULD BE APPLIED TO MODOT ACCORDING TO STATE REGULATIONS. THE CAMPGROUND BRIDGE OVER THE CURRENT RIVER (BRIDGE ID 25309) IS CURRENTLY POSTED AT 15 TONS AND IS OWNED BY THE STATE PARK. THE PARK HAD AN INSPECTION AND LOAD RATING COMPLETED WITH AN ASSUMED OVERSIZED LOAD FOR THE PRECAST SHOWER STRUCTURE, WHICH WEIGHED 63 TONS AND WAS 53 FEET LONG. THE FINDING WAS THAT THIS ASSUMED THE VEHICLE DID NOT VIOLATE THE OPERATING RATING, SO THE INDIVIDUAL PERMIT PASSAGE WOULD BE ALLOWED UNDER STRICTLY CONTROLLED CONDITIONS. STATE PARKS ENGINEER WILL REVIEW THE CONTRACTOR'S PROPOSED VEHICLES, RE-RUN THE RATING WITH THE ACTUAL CONTRACTOR'S VEHICLES, AND FACILITATE A PERMIT AND/OR CONVEY LIMITATIONS AS A PRECONSTRUCTION WORK ITEM. CONTRACTOR'S SHOULD ASSUME TIME FOR THIS COORDINATION EFFORT AND THAT VEHICLES IN EXCESS OF LEGAL OR POSTED LOADS MAY NEED TO UTILIZE FLAGGERS TO RESTRICT THE BRIDGE TO A SINGLE LANE OR STRICTLY OBSERVE LIMITATIONS ON SPEED, AND THIS WORK SHOULD BE FACTORED IN TO THEIR BIDS. INFORMATION FOR MODOT ON-SYSTEM PERMITS CAN BE FOUND HERE: <https://www.modot.org/OSOW>.

UTILITY COMPANIES:

ELECTRIC:
INTERCOUNTY ELECTRIC CO-OP:
TELEPHONE: (866) 621-3679

SANITARY SEWER, WATER, AND
COMMUNICATIONS:
DOUGLAS RUSK
NATURAL RESOURCE MANAGER
MISSOURI STATE PARKS
MONTAUK STATE PARK
OFFICE: (573)-548-2201
FAX: (573)548-2206

BENCHMARKS:

#1. EXISTING SANITARY SEWER MANHOLE
RIM ELEV. = 909.44

#2. EXISTING SANITARY SEWER MANHOLE
RIM ELEV. = 907.40

ABBREVIATION:

100 YEAR WSE =
100 YEAR WATER SURFACE ELEVATION

OWNER/DEVELOPER:

MISSOURI DEPARTMENT OF
NATURAL RESOURCES
P.O. BOX 176
1101 RIVER SIDE DRIVE
JEFFERSON CITY, MISSOURI 65102-0176
TELEPHONE: (573) 5751-3443

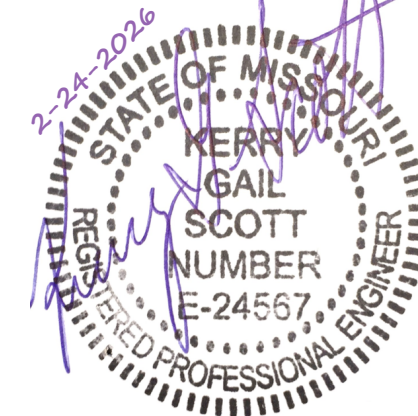
PREPARED BY:

OLSSON, INC.
CONTACT: KERRY SCOTT
550 ST. LOUIS STREET
SPRINGFIELD, MO 65806
TELEPHONE: (417) 890-8802
FAX: (417) 890-8805

FLOOD MAP

COUNTY OF DENT, MISSOURI
COMMUNITY PANEL NUMBER
290118 0175 A
EFFECTIVE DATE:
JANUARY 5,1984

STATE OF MISSOURI
MIKE L. KEHOE,
GOVERNOR



olsson

Olsson, Inc. Engineering MO State Cert. of Authority #001592
550 St. Louis St.
Springfield, MO 65806
TEL 417.890.8802
www.olsson.com
Olsson # 021-09065

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
Natural Resources
Division of State Parks

Rebid Campground Loop 5

CONSTRUCTION
DOCUMENTS

Montauk State Park

345 County Road 6670

Salem, Missouri

PROJECT # X-2204-03

SITE # 5307

FACILITY #

7815307048

REVISION:

DATE:

REVISION:

DATE:

REVISION:

DATE:

ISSUE DATE: 02/24/2026

CAD FILE: X2204-03-5307-7815307048

DRAWN BY: RPJ

CHECKED BY: JKE

DESIGNED BY: RPJ

SHEET TITLE:

Site Layout

SHEET NUMBER:

C-100

2 OF 5 SHEETS

02/24/2026



1-800-DIG-RITE • 811
www.mo1call.com

**DEPARTMENT OF
Natural Resources
Division of State Parks**

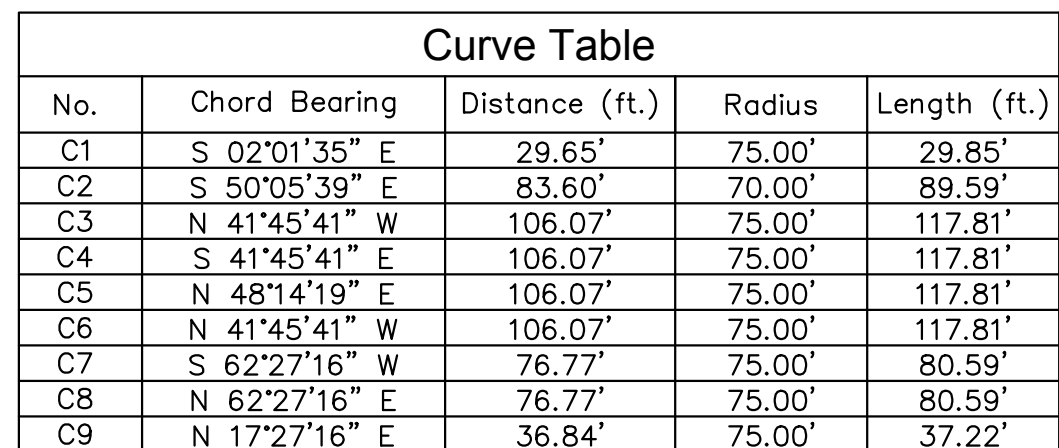
Salem, Missouri

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 02/24/2026

Campground Layout

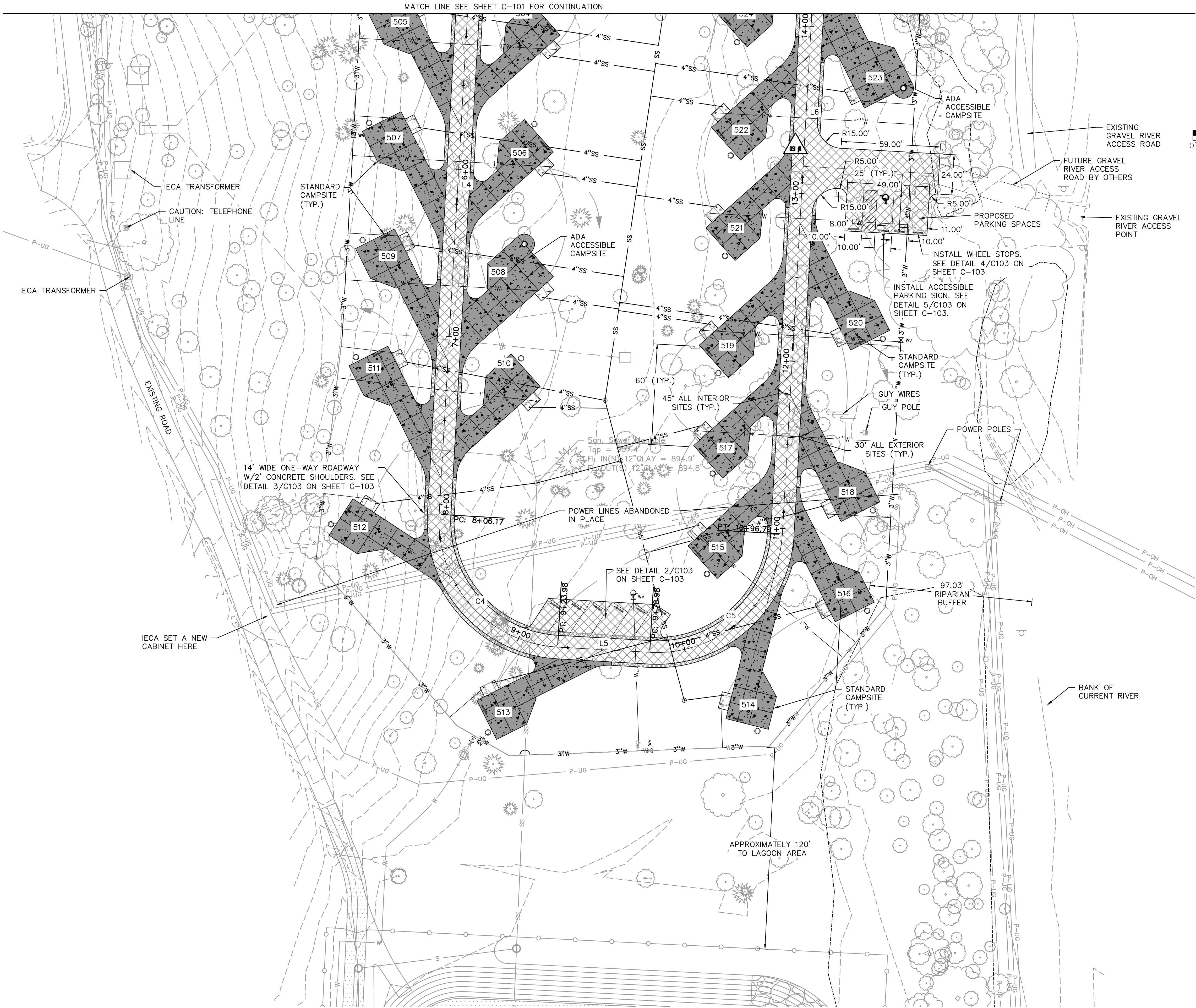
C-101

3 OF 5 SHEETS
02/24/2026



1. DO NOT APPLY PAVEMENT MARKING PAINT UNTIL LAYOUT, COLORS AND PLACEMENT HAVE BEEN VERIFIED WITH THE ENGINEER/OWNER.
2. ALLOW PAVING TO CURE FOR 24 HOURS BEFORE MARKING.
3. SWEEP AND CLEAN SURFACE.
4. DETAILS NOT SHOWN SHALL BE IN CONFORMITY WITH THE STATE STANDARDS FOR TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND SIMILAR REQUIREMENTS ESTABLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
5. ALL PARKING LOT STRIPING SHALL BE SINGLE LINE 4" WIDE AS PER THE SITE PLANS.
6. PAINT FOR MARKING PAVEMENT SHALL CONFORM TO FEDERAL HIGHWAY MARKING STANDARDS. USE SHERWIN WILLIAMS PROFESSIONAL FAST DRY ACRYLIC LATEX TRAFFIC MARKING PAINT OR EQUAL, USE WHITE, BLUE OR YELLOW, WHERE APPROPRIATE. USE GLASS BEADS MEETING AASHTO M 247, TYPE 1, UNLESS OTHERWISE DIRECTED. USE THE FOLLOWING:
 - 6.A. BLACKTOP OR BITUMINOUS ASPHALT PAVING: USE WHITE COLOR.
 - 6.B. PORTLAND CEMENT CONCRETE PAVING: USE WHITE COLOR.
 - 6.C. UNPAVED ACCESSIBLE PARKING AND ENTRYWAYS: USE BLUE COLOR.
 - 6.D. PROVIDE PAINTED CURBS AT FIRE LANE DESIGNATIONS PER FIRE MARSHAL REQUIREMENTS.
7. APPLY ALL MARKINGS USING APPROVED MECHANICAL EQUIPMENT (WITH PROVISIONS FOR CONSTANT AGITATION OF PAINT), CAPABLE OF APPLYING THE MARKING WIDTHS AS SHOWN. PROVIDE A MINIMUM WET FILM THICKNESS OF 15 MILS. USE PNEUMATIC SPRAY GUNS FOR HAND APPLICATION OF PAINT. ALL PAINTING EQUIPMENT AND OPERATIONS SHALL BE UNDER THE CONTROL OF EXPERIENCED TECHNICIANS THOROUGHLY FAMILIAR WITH EQUIPMENT AND MATERIALS AND MARKING LAYOUTS.
8. DETAIL PAVEMENT MARKINGS SHALL BE THAT MARKING, EXCLUSIVE OF ACTUAL TRAFFIC LANE MARKING, AT EXIT AND ENTRANCE ISLANDS AND TURNOUTS, ON CURBS, AT CROSSWALKS, AT PARKING BAYS AND AT SUCH OTHER LOCATIONS AS SHOWN. HANDICAPPED PARKING SPACES SHALL BE MARKED BY THE INTERNATIONAL HANDICAPPED SYMBOL, AT INDICATED PARKING SPACES. USE A SUITABLE TEMPLATE THAT WILL PROVIDE A PAVEMENT MARKING WITH TRUE, SHARP EDGES AND ENDS.

DWG: \\ca.ad.oasconsulting.com\nts-nst\projects\2021\09001-09500\021-09065\40-Design\AutoCAD\Asphalt Improvements\Sheets\GNV\X2204-03-5307-7815307048-C-102.dwg
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ASPHALT LOOP ROAD PAVING
SEE SHEET C-103 FOR DETAILS

CONCRETE SHOULDER - BY OTHERS

CONCRETE CAMPSITES - BY OTHERS

UTILITY PADS - BY OTHERS

CONCRETE DUMPSTER PAD - BY OTHERS

TURF - BY OTHERS

PAVEMENT STRIPING
SEE SHEET C-103 FOR DETAILS

0'

15'

30'

60'

1" = 30'
SCALE IN FEET

N

PAVING LEGEND

ASPHALT LOOP ROAD PAVING
SEE SHEET C-103 FOR DETAILS

CONCRETE SHOULDER - BY OTHERS

CONCRETE CAMPSITES - BY OTHERS

UTILITY PADS - BY OTHERS

CONCRETE DUMPSTER PAD - BY OTHERS

TURF - BY OTHERS

PAVEMENT STRIPING
SEE SHEET C-103 FOR DETAILS

Line Table		
No.	Bearing	Distance (ft.)
L1	S 09°22'28" W	43.06'
L2	S 13°25'37" E	132.30'
L3	S 86°45'41" E	2.04'
L4	S 03°14'19" W	391.52'
L5	S 86°45'41" E	55.00'
L6	N 03°14'19" E	503.52'
L7	N 86°45'41" W	55.00'
L8	S 31°40'13" W	38.00'
L9	S 03°14'19" W	112.00'
L10	S 03°14'19" W	30.00'

Curve Table				
No.	Chord Bearing	Distance (ft.)	Radius	Length (ft.)
C1	S 02°01'35" E	29.65'	75.00'	29.85'
C2	S 50°05'39" E	83.60'	70.00'	89.59'
C3	N 41°45'41" W	106.07'	75.00'	117.81'
C4	S 41°45'41" E	106.07'	75.00'	117.81'
C5	N 48°14'19" E	106.07'	75.00'	117.81'
C6	N 41°45'41" W	106.07'	75.00'	117.81'
C7	S 62°27'16" W	76.77'	75.00'	80.59'
C8	N 62°27'16" E	76.77'	75.00'	80.59'
C9	N 17°27'16" E	36.84'	75.00'	37.22'

STATE OF MISSOURI
MIKE L. KEHOE,
GOVERNOR



olsson

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OFFICE OF ADMINISTRATION
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Rebid Campground Loop 5

CONSTRUCTION
DOCUMENTS

Montauk State Park
345 County Road 6670

Salem, Missouri

PROJECT # X2204-03
SITE # 5307
FACILITY #
7815307048

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

ISSUE DATE: 02/24/2026

CAD FILE: X2204-03-5307-7815307048
DRAWN BY: RPJ
CHECKED BY: JKE
DESIGNED BY: RPJ

SHEET TITLE:

Campground Layout

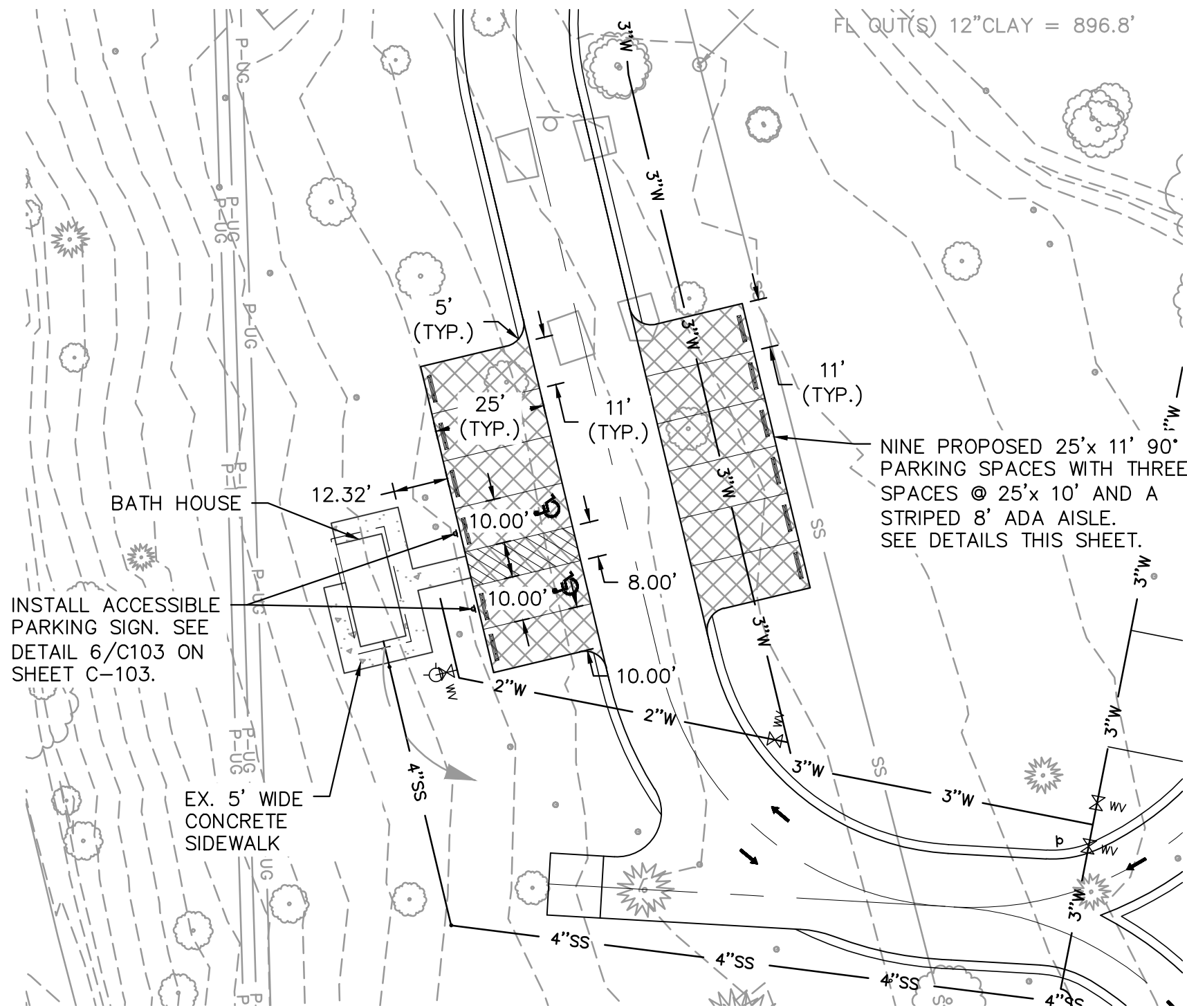
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C-102

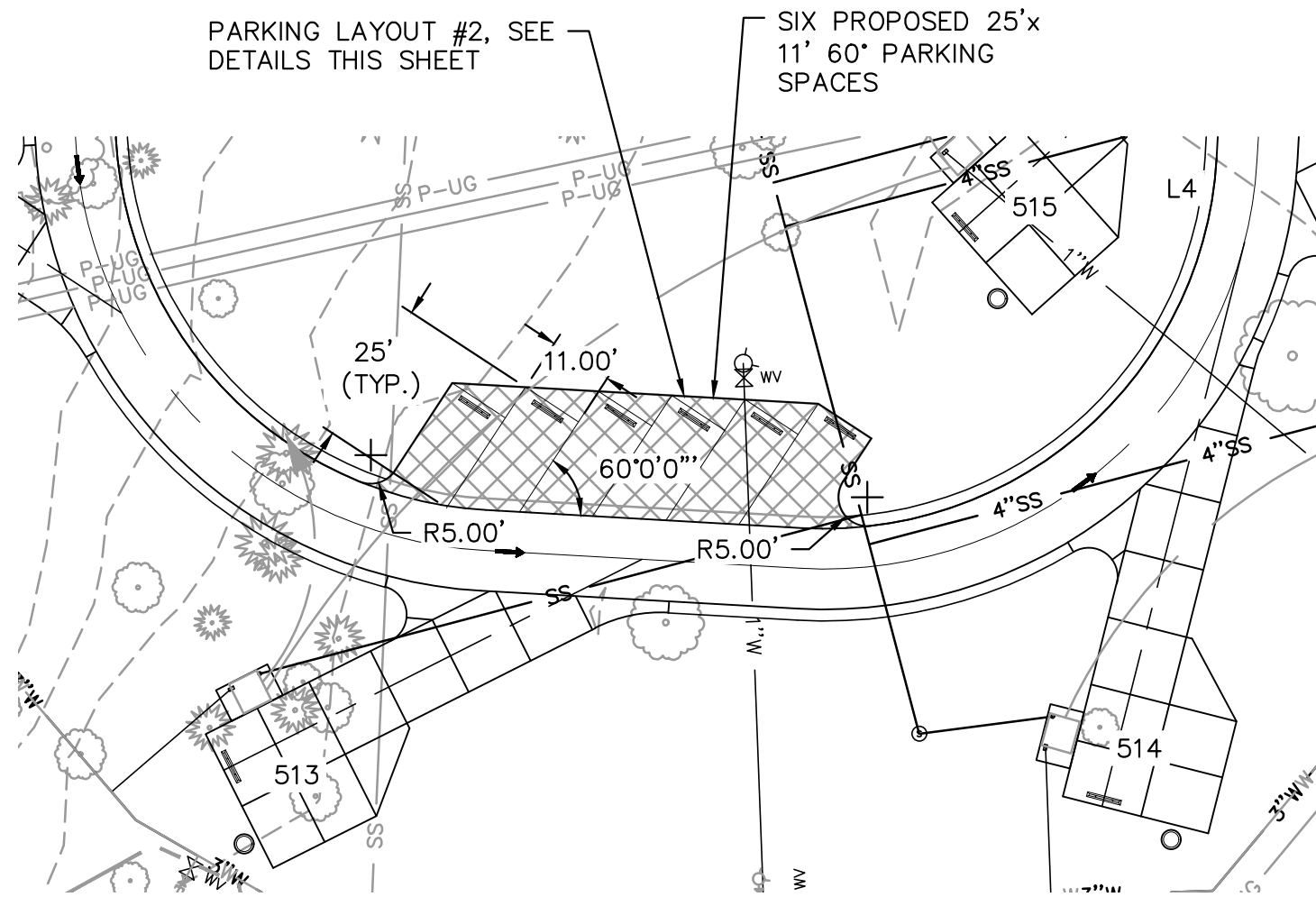
4 OF 5 SHEETS
02/24/2026



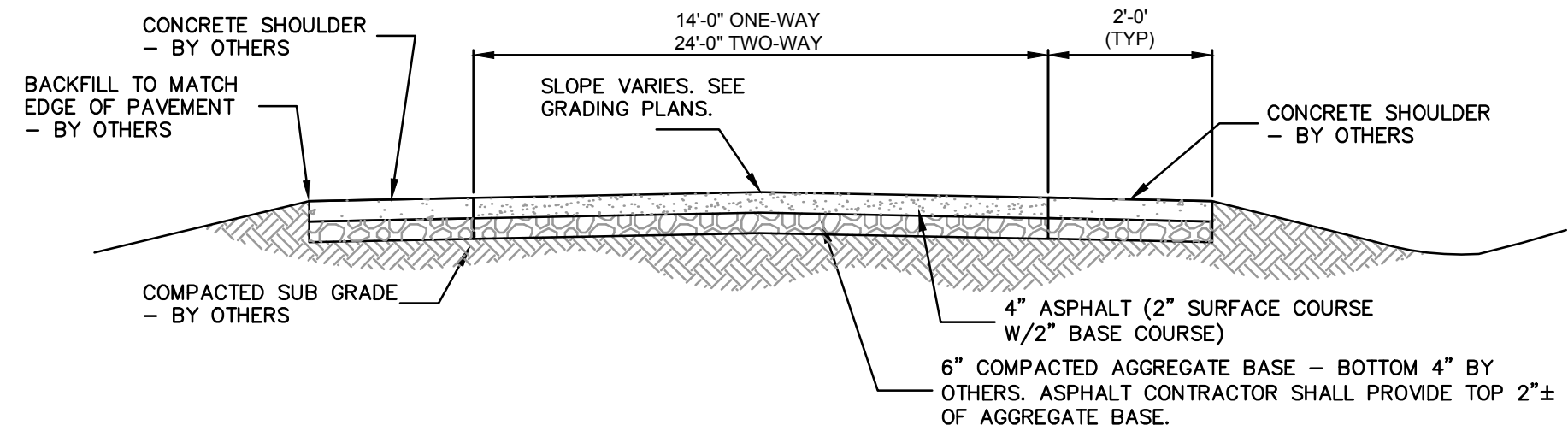
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USER: rreynolds
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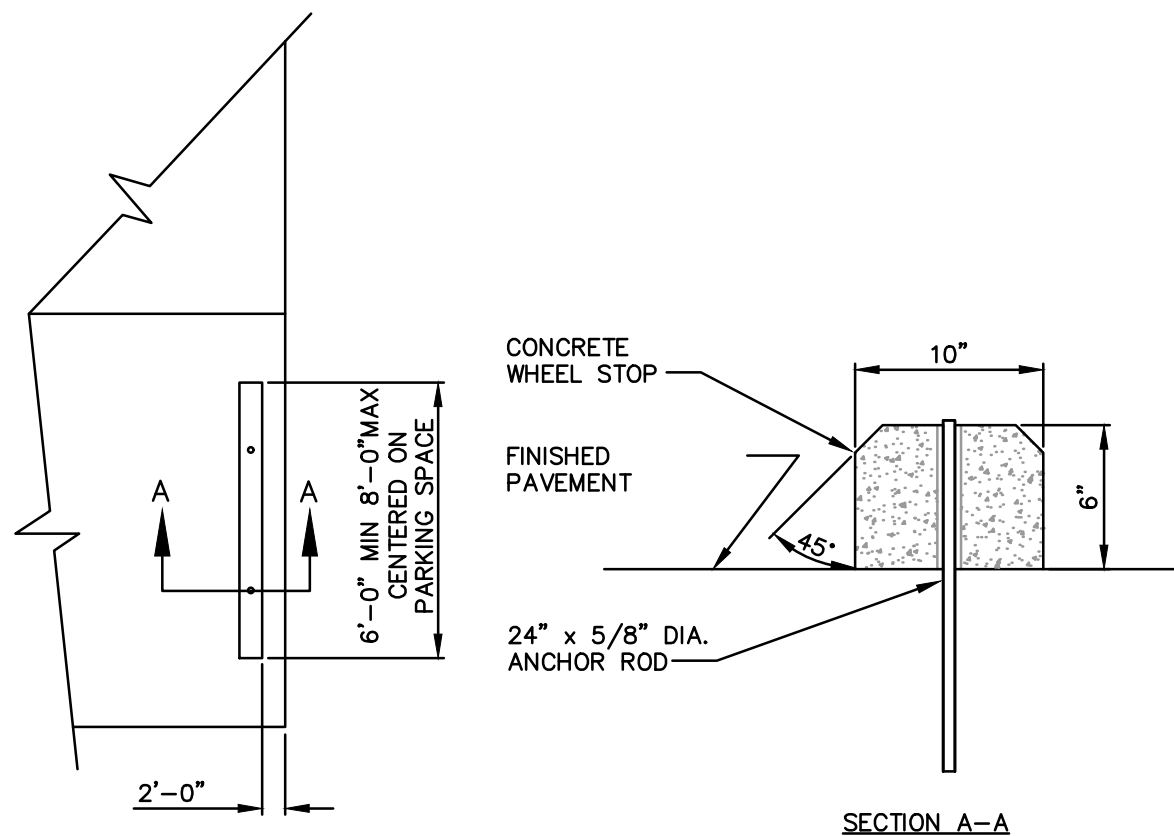
1 LAYOUT DETAIL #1 BATH HOUSE, SIDEWALK AND PARKING
C103 SCALE: 1" = 30'



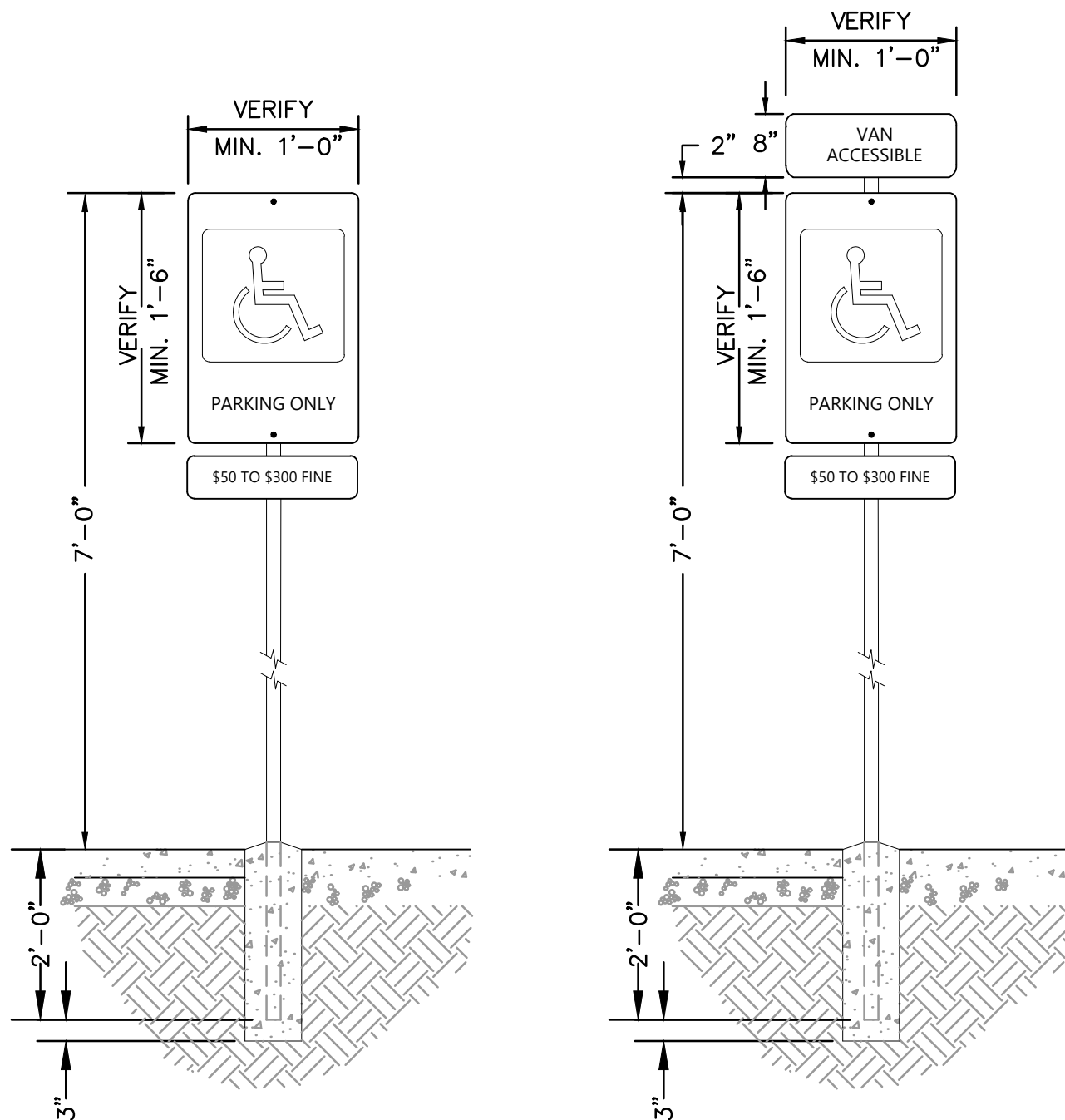
2 LAYOUT DETAIL #2 SOUTH PARKING
C103 SCALE: 1" = 30'



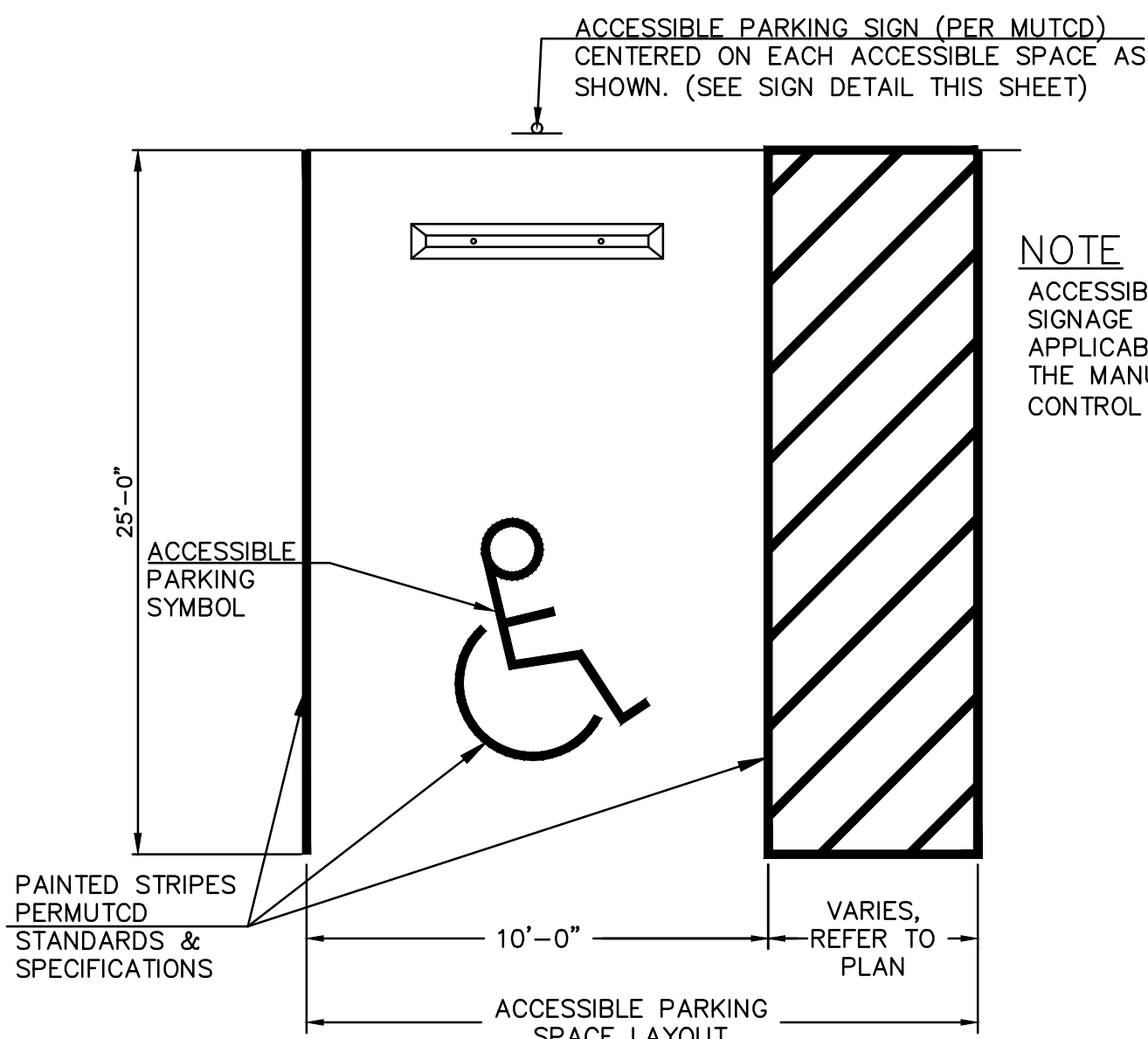
3 STANDARD LOOP ROAD CROSS SECTION
C103 NTS



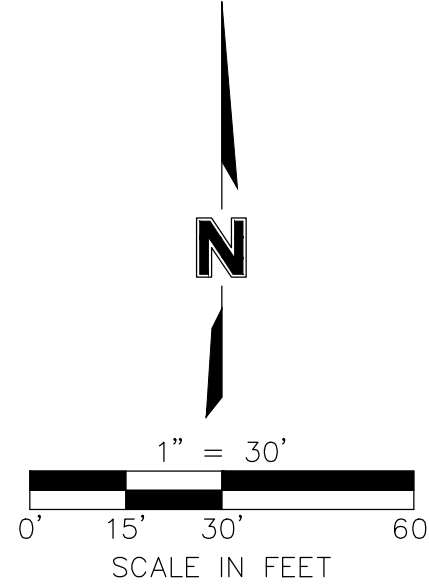
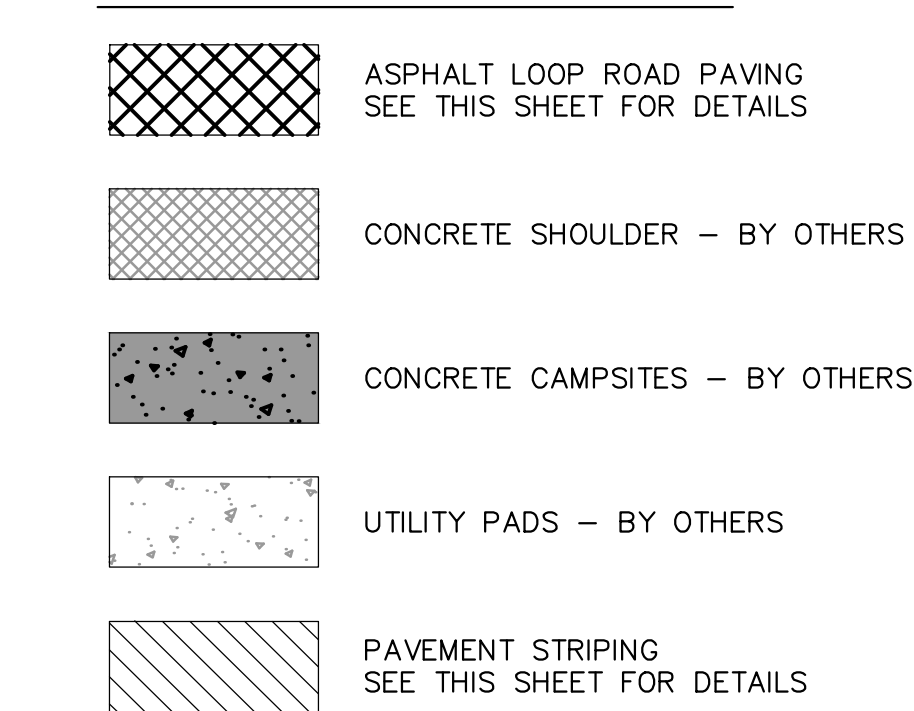
4 WHEEL STOP DETAIL
C103 NTS



5 ACCESSIBLE PARKING SIGN DETAILS
C103 NTS

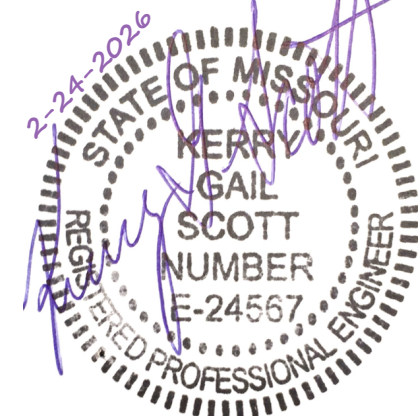


6 ACCESSIBLE PARKING SPACE LAYOUT
C103 NTS



7 ONE WAY SIGN DETAILS
C103 NTS

STATE OF MISSOURI
MIKE L. KEHOE,
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DATE:
ISSUE DATE: 02/24/2026

CAD FILE: X2204-03-5307-7815307048
DRAWN BY: RPJ
CHECKED BY: JKE
DESIGNED BY: RPJ

SHEET TITLE:
Campground Layout
& Details

SHEET NUMBER:

C-103

5 OF 5 SHEETS
02/24/2026

