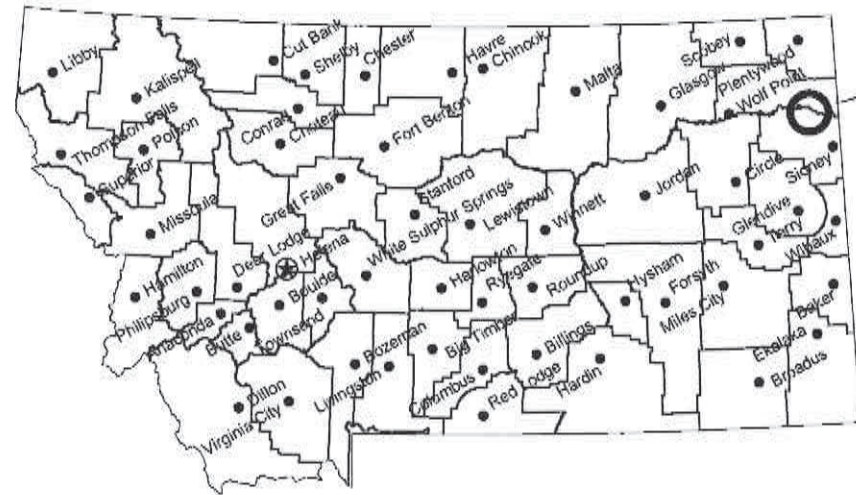


Montana Fish, Wildlife & Parks

Culbertson Bridge FAS Site Improvements

Culbertson, Richland County, Montana

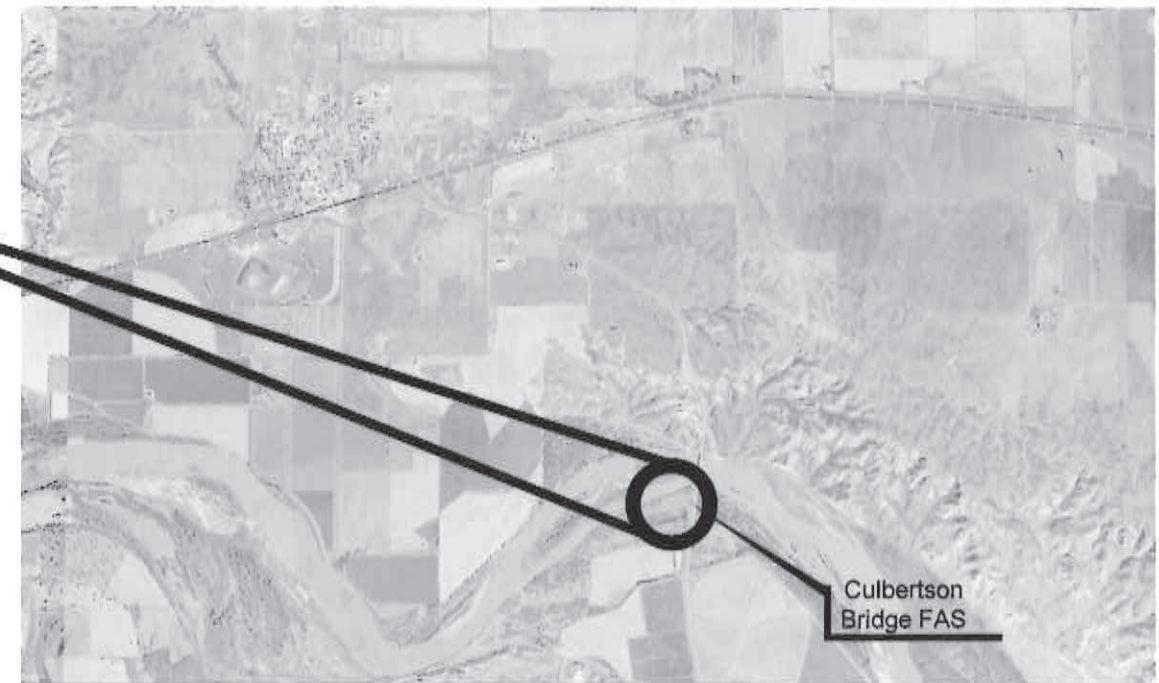
FWP Project No. - 7233246



Location Map

No Scale

Project Location



Vicinity Map

No Scale

North



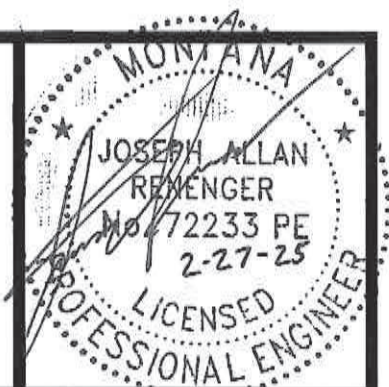
**MONTANA FISH, WILDLIFE AND PARKS
DESIGN AND CONSTRUCTION**

MAILING ADDRESS: PO BOX 200701
HELENA, MT 59620-0701
TEL 406.841.4000
FAX 406.841.4004
<https://fwp.mt.gov/aboutfwp/design-and-construction>

PHYSICAL ADDRESS: 1522 9th AVENUE
HELENA, MT 59601

DRAWING INDEX

Sheet	Description
1	Cover
2	Site Plan
3	Details
4	Details
5	Latrine Details
6	Sign Construction Details



Drawn by: Marly Binde 11/2024
Checked by: J. Renenger 1/2025

APPROVED BY: _____ DATE: _____
APPROVED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____
APPROVED BY: _____ DATE: _____



**MONTANA FISH,
WILDLIFE & PARKS**

Culbertson Bridge FAS Site Improvements
Cover Sheet

SHEET: 1 of 6

Site Quantities

Base Bid

- Gravel Surfacing: (27,183 SF)
- 6" of 3" Minus Sub Base Course (503 CY)
 - 4" of 3/4" Crushed Base (332 CY)
 - Separation Geotextile (3,020 SY)

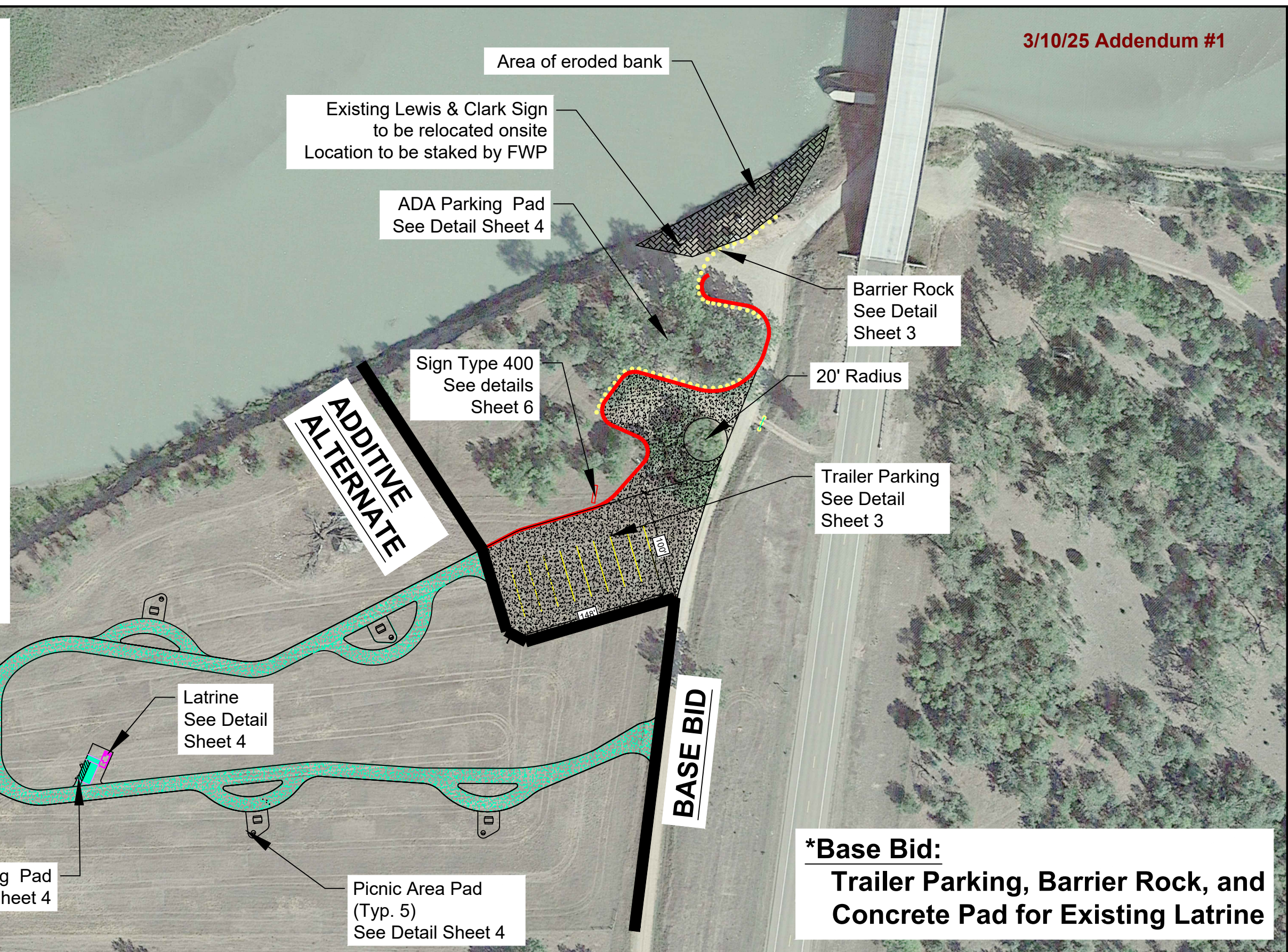
- Concrete:
- ADA Concrete Pad 390 SF

- Site Furnishings
- (55) Barrier Rocks / Boulders

Additive Alternate

- Gravel Surfacing: (24,490 SF)
- 6" of 3" Minus Sub Base Course (453 CY)
 - 4" of 3/4" Crushed Base (299 CY)
 - Separation Geotextile (2,722 SY)
 - Picnic Area Pad (5.5 CY) Typ. 5

- Concrete:
- ADA Concrete Pad 390 SF



Pull Through Campsites(Typ. 5)
See Detail Sheet 3

Latrine
See Detail Sheet 4

ADA Parking Pad
See Detail Sheet 4

Picnic Area Pad
(Typ. 5)
See Detail Sheet 4

ADDITIVE ALTERNATE

BASE BID

Area of eroded bank

Existing Lewis & Clark Sign
to be relocated onsite
Location to be staked by FWP

ADA Parking Pad
See Detail Sheet 4

Barrier Rock
See Detail Sheet 3

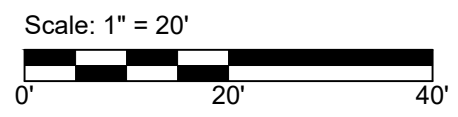
20' Radius

Sign Type 400
See details Sheet 6

Trailer Parking
See Detail Sheet 3

***Additive Alternate:
Campground Loop
& Latrine**

***Base Bid:
Trailer Parking, Barrier Rock, and
Concrete Pad for Existing Latrine**



Marty Binde DRAWN BY:	11/2024 DATE:
J. Renenger CHECKED BY:	1/2025 DATE:

APPROVED BY:	DATE:
APPROVED BY:	DATE:

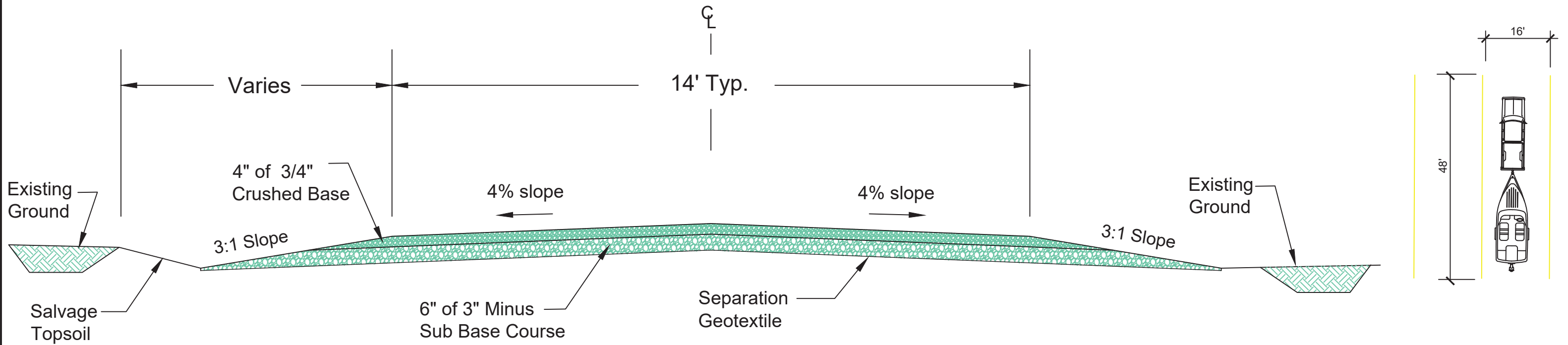
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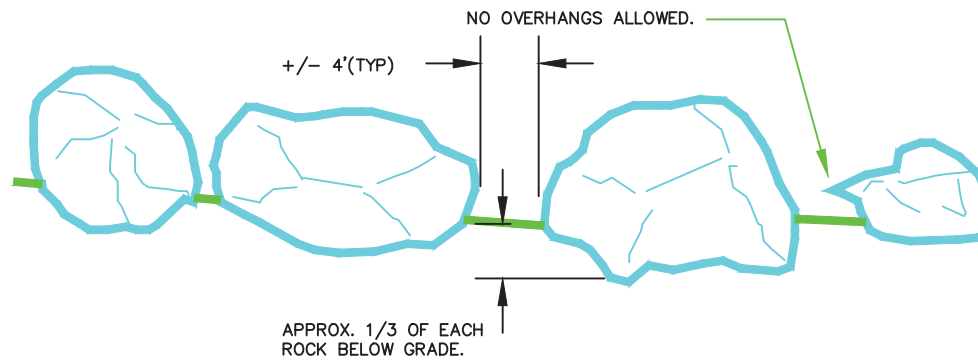
Culbertson Bridge FAS Site Improvements
Site Plan

Typical Section

Trailer Parking Area



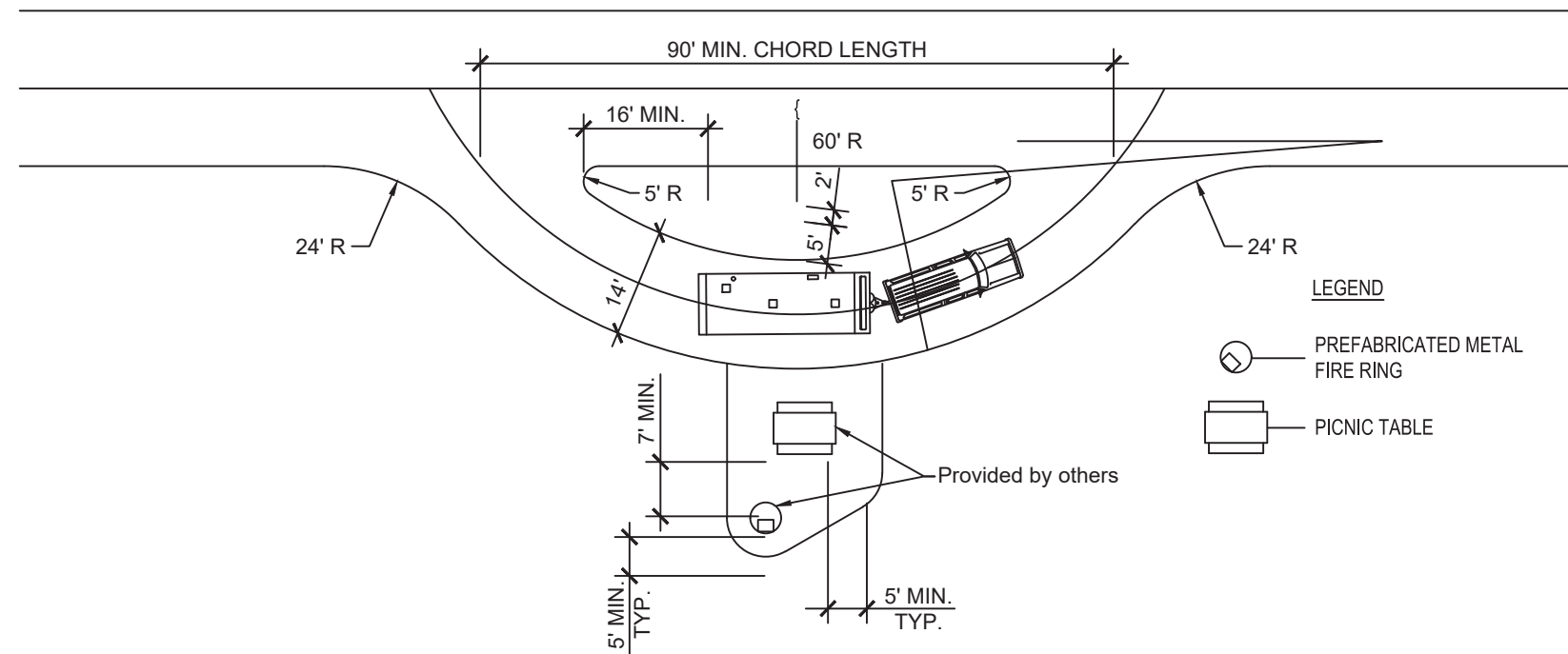
Barrier Rock Detail



Notes:

LANDSCAPE & BARRIER ROCK WILL BE PLACED IN NATURAL ARRANGEMENTS. MINIMUM SIZE SHALL BE 6 CF. NO DIMENSION SHALL BE LESS THAN 1/3 OF THE LONGEST DIMENSION. ROCK SHALL BE HARD, DURABLE w/NO MAJOR MACHINE MARKS OR BLEMISHES. BARRIER ROCKS SHALL BE SET SO THAT THEIR LONG AXIS IS PARALLEL TO THE GROUND AND ROAD SURFACING. THERE SHALL BE NO ACUTE ANGLES AT THE GROUND LINE. APPROXIMATELY 1/3 OF EACH ROCK SHALL BE PLACED BELOW GRADE. PLACE ROCK SO THAT ANY MOSS SHALL BE ON THE TOP. ALL EXCESS MATERIAL SHALL USED ON SITE AS DIRECTED BY THE PROJECT MANAGER OR IF UNSUITABLE, REMOVED FROM THE SITE. ADJACENT ROCKS SHALL NOT BE THE SAME SIZE NOR BE SET SO THE TOP OF THE ROCKS ARE THE SAME HEIGHT. UNLESS OTHERWISE DIRECTED BARRIERS SHALL BE PLACED APPROXIMATELY 4' APART FROM EDGE TO EDGE. A SUBSTANTIAL SUB-GRADE WILL BE PROVIDED TO ELIMINATE SETTLEMENT THE PROPER FINISHED GRADE WILL BE ESTABLISHED AROUND EACH ROCK.

Pull-Through Campsite Detail



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J. Reneger	1/2025
CHECKED BY:	DATE:

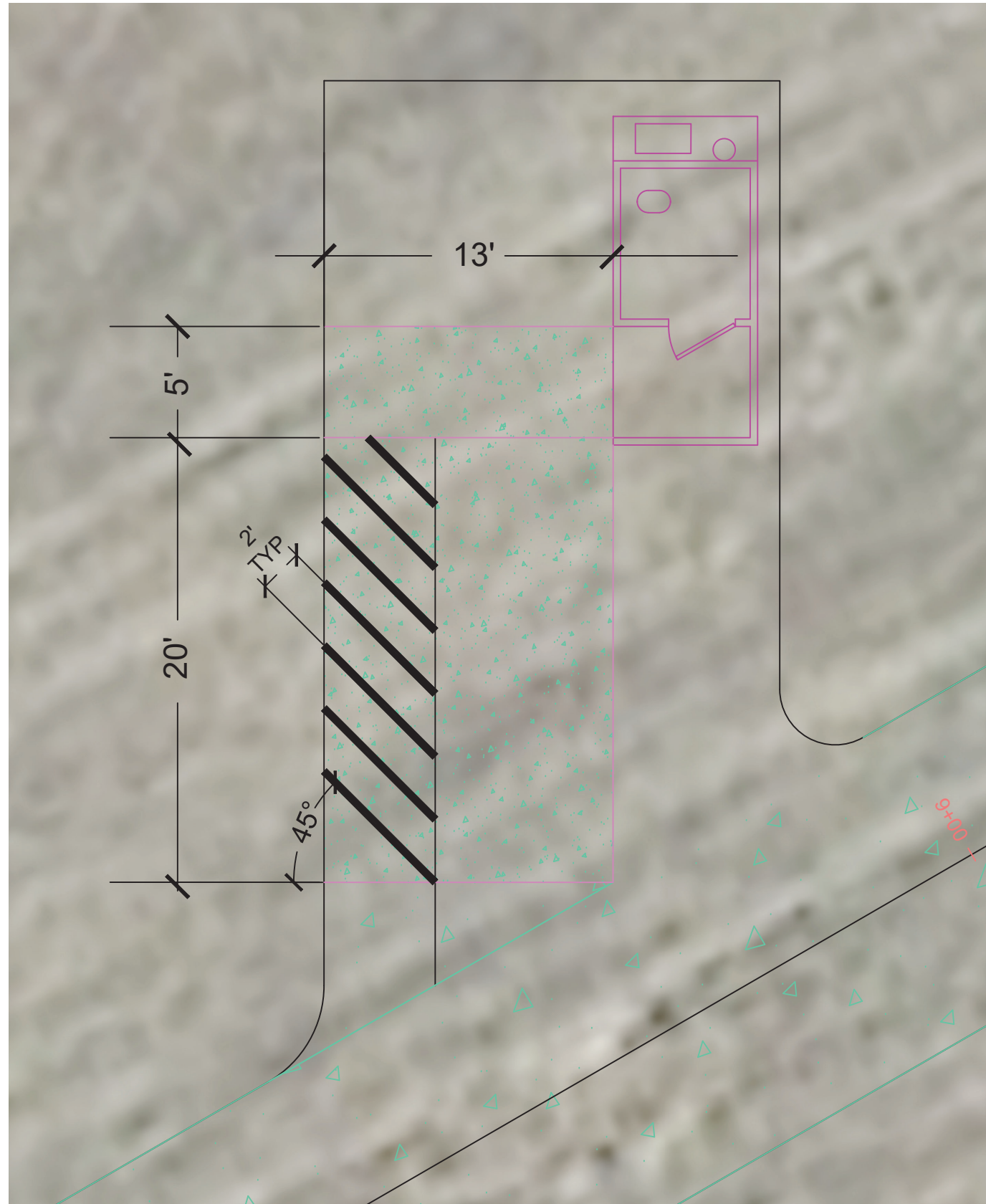
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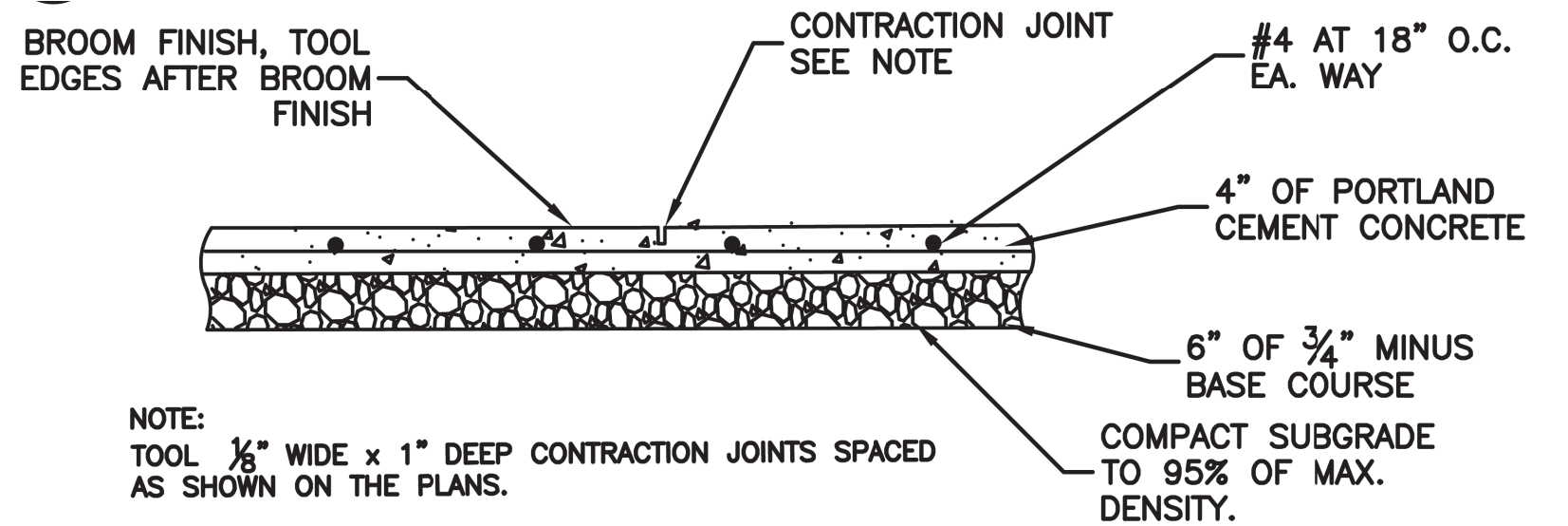


Culbertson Bridge FAS Site Improvements
Details

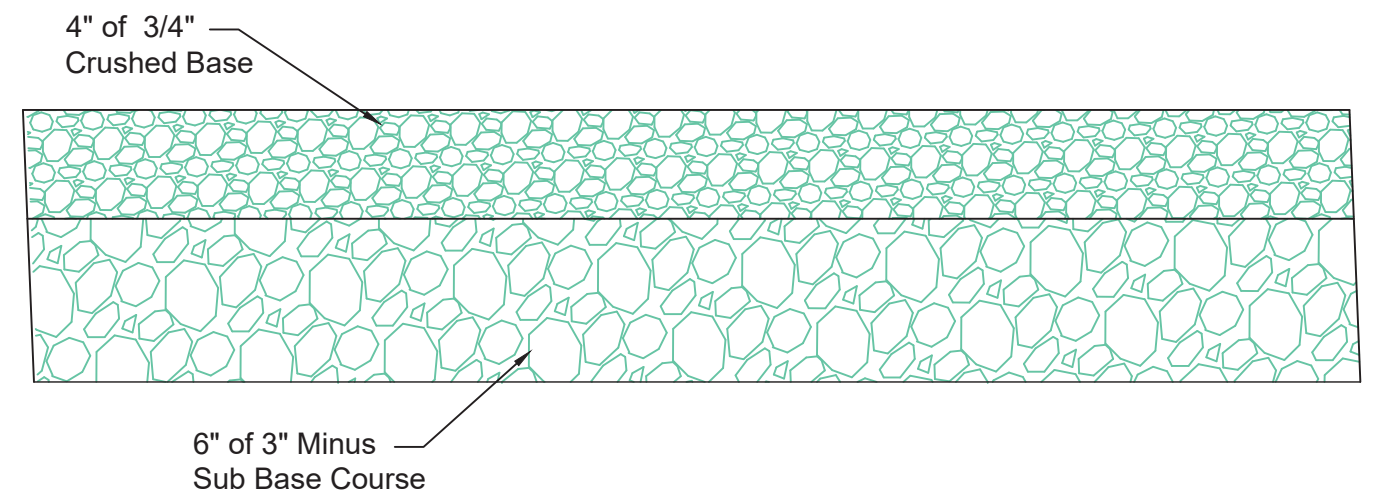
Latrine ADA Parking Layout



6" Concrete Section (ADA Parking Slab)



4" Gravel Section (Picnic Area Pad)



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J. Reneger	1/2025
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APPROVED BY:	DATE:
APPROVED BY:	DATE:

APPROVED BY:	DATE:
APPROVED BY:	DATE:



Culbertson Bridge FAS Site Improvements
Latrine ADA Parking Details

GENERAL

- A. THE CONTRACTOR IS RESPONSIBLE FOR PURCHASE AND INSTALLATION OF THE LATRINES. THE CONTRACTOR SHALL PERFORM ALL EARTHWORK AND GRAVEL BASE WORK. THE MANUFACTURER SHALL LOAD, TRANSPORT, UNLOAD AND SET THE LATRINES ON THE GRAVEL BASE PAD.
- B. COMPLY WITH SPECIFICATION SECTIONS 03401 – PRECAST CONCRETE LATRINES, 02230 – STREET EXCAVATION, BACKFILL AND COMPACTION, AND 02235 – CRUSHED BASE COURSE.
- C. PROVIDE AND INSTALL A SOLAR POWERED LIGHT PACKAGE WITH THE LATRINE. THE LIGHT SHALL BE INSTALLED INSIDE THE LATRINE AND SHALL BE MOTION ACTIVATED.

INSTALLATION

GENERAL INSTALLATION INVOLVES TOPSOIL STRIPPING AND SALVAGE, EXCAVATION, LEVELING BOTTOM OF EXCAVATION WITH DRAIN AGGREGATE, INSTALLING LATRINE, BACKFILLING AROUND LATRINE AND SEEDING.

EXCAVATION

- A. EXCAVATE SUBSOIL TO A POINT 12 INCHES DEEPER THAN REQUIRED FOR LATRINE INSTALLATION.
- B. MINIMIZE OVER EXCAVATION. STOCKPILE EXCAVATED MATERIAL FOR LATER BACKFILLING AND SEEDING. TOPSOIL SHALL BE STRIPPED AND STOCKPILED.
- C. COMPACT BOTTOM OF EXCAVATION WITH THREE PASSES OF WHACKER OR SKID PLATE COMPACTION DEVICE.

LEVELING

- A. USE 3/4 INCH MINUS CRUSHED BASE COURSE, AND PLACE ENOUGH IN BOTTOM OF HOLE SUCH THAT WHEN COMPACTED, IT WILL BE 12 INCHES DEEP.
- B. COMPACT BASE COURSE TO 95% OF MAXIMUM DRY DENSITY.
- C. LEVEL BASE FOR INSTALLATION OF LATRINE.

LATRINE INSTALLATION

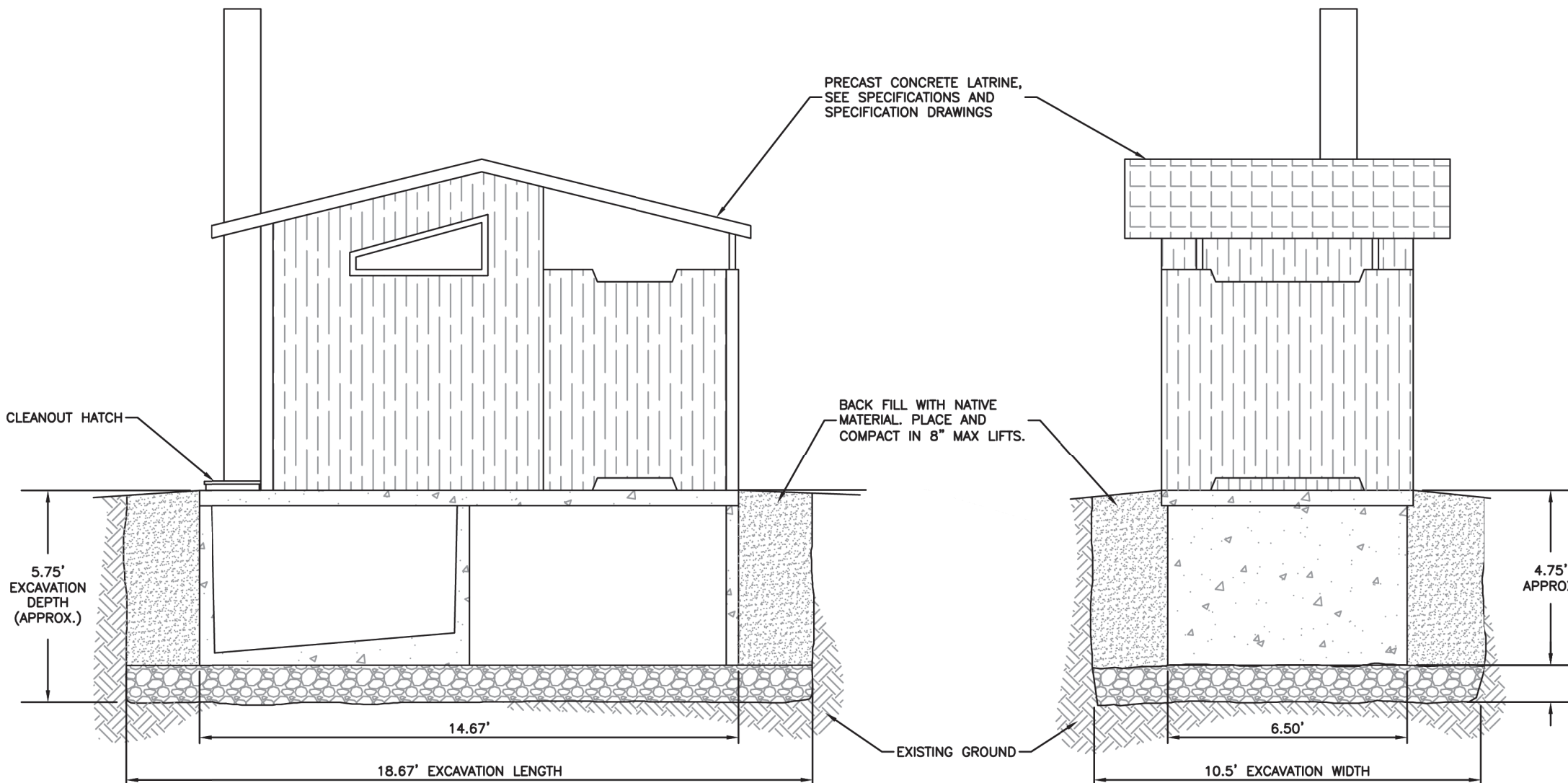
- A. THE PRECAST LATRINE WILL BE SET BY THE SUPPLIER/MANUFACTURER.
- B. INSURE THAT LATRINE SITS LEVEL AND PLUMB WHEN DONE INSTALLING.

BACKFILLING

- A. PLACE IN SUCCESSIVE 8 INCH LAYERS MATERIAL PREVIOUSLY EXCAVATED FROM HOLE AND COMPACT.
 - 1. REMOVE ROCKS LARGER THAN 6 INCHES IN DIAMETER FROM THE FILL.
 - 2. REMOVE BRANCHES, ROOTS AND OTHER OR ORGANIC DEBRIS IN FILL.

LANDSCAPING

- A. RE-SPREAD SALVAGED TOPSOIL AT THE TOP OF THE BACKFILL.
- B. SLOPE GRADE AWAY FROM LATRINE.
- C. BLEND FILL SLOPE INTO SURROUNDING TERRAIN.
- D. REMOVE SURPLUS FILL MATERIAL.
- E. REMOVE SOIL TO A DEPTH OF 2 INCHES BENEATH LOCATION FOR ENTRANCE SLAB AND COMPACT.
- F. PLACE TWO INCHES OF 3/4 INCH PEA GRAVEL FOR BEDDING, LEVEL AND COMPACT.



12" OF
COMPACTED 3/4"
MINUS CRUSHED
BASE COURSE

Marty Binde 1/2025
DRAWN BY: DATE:
J. Reneger 1/2025
CHECKED BY: DATE:

APPROVED BY: DATE:
APPROVED BY: DATE:

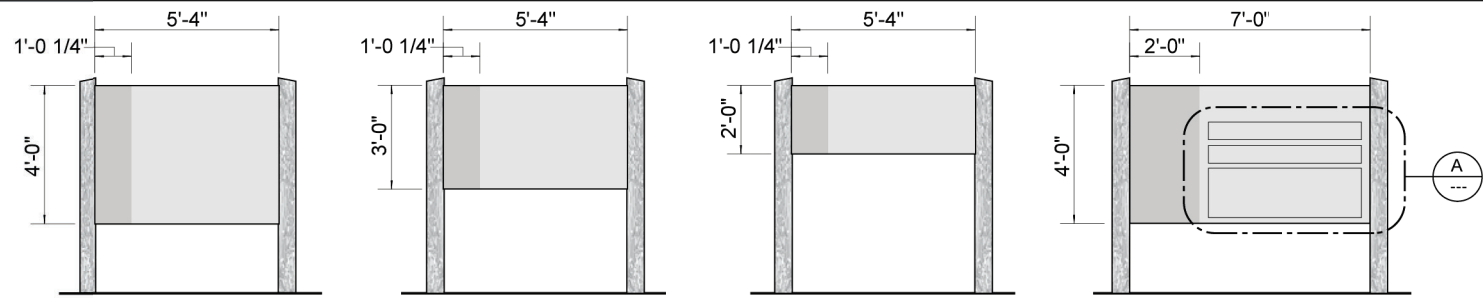
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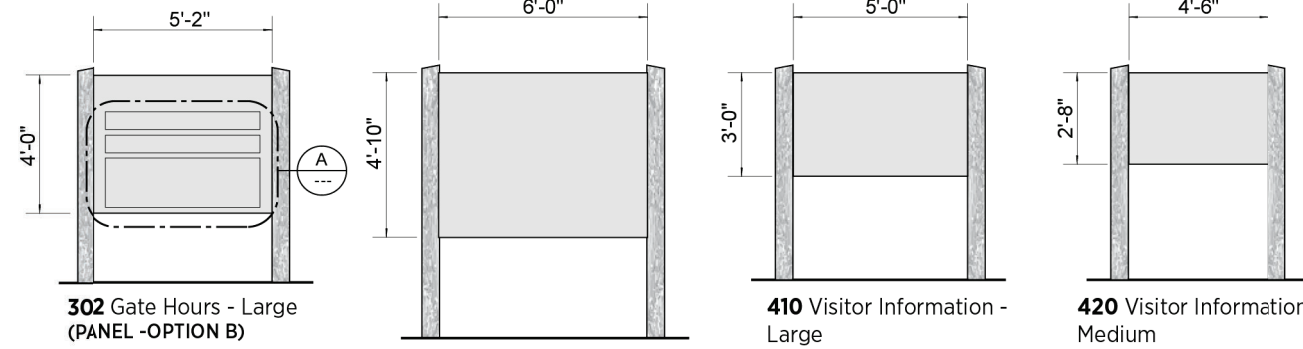
**MONTANA FISH,
WILDLIFE & PARKS**

**Culbertson Bridge FAS Site Improvements
Latrine Details**

SHEET: 5
of 6



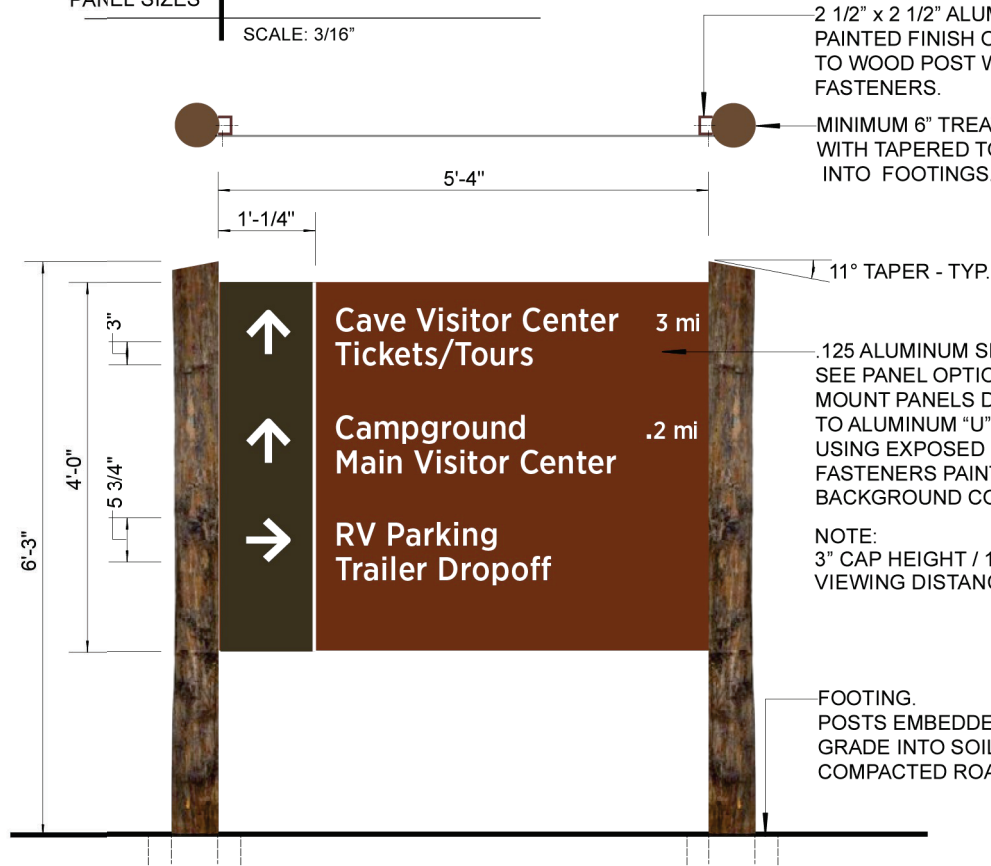
200 Primary Wayfinding - Large (PANEL -OPTION B)
220 Primary Wayfinding - Medium (PANEL -OPTION B)
230 Primary Wayfinding - Small (PANEL -OPTION B)
300 Stop and Gate Hours - Large (PANEL -OPTION B)



302 Gate Hours - Large (PANEL -OPTION B)
400 Visitor Information - XLarge (PANEL -OPTION B)
410 Visitor Information - Large (PANEL -OPTION B)
420 Visitor Information - Medium (PANEL -OPTION B)

ALTERNATE PANEL SIZES

SCALE: 3/16"



ELEVATION

SCALE: 1/2"

2 1/2" x 2 1/2" ALUMINUM "U" CHANNEL, PAINTED FINISH ON ALL SIDES. MOUNTED TO WOOD POST WITH MECHANICAL FASTENERS.

MINIMUM 6" TREATED WOOD POSTS WITH TAPERED TOP. POST EMBEDDED INTO FOOTINGS.

11° TAPER - TYP.

.125 ALUMINUM SIGN PANEL. SEE PANEL OPTION B FOR DETAILS. MOUNT PANELS DIRECTLY THRU FACE TO ALUMINUM "U" CHANNEL BRACKETS USING EXPOSED MECHANICAL FASTENERS PAINTED TO MATCH BACKGROUND COLOR.

NOTE:
3" CAP HEIGHT / 150 FT VIEWING DISTANCE.

FOOTING. POSTS EMBEDDED 30" BELOW GRADE INTO SOIL CEMENT OR COMPACTED ROAD MIX.

±5/16" X ±5/16" X 1/16" THICK FORMED ALUMINUM REMOVABLE TOP SLAT HOLDER WITH PAINTED FINISH ON ALL SIDES. MOUNT HOLDER TO SIGN PANEL WITH COUNTERSUNK FLAT HEAD TAMPERPROOF SCREWS FOR REMOVING SLATS.

.063 THICK ALUMINUM SLAT. SEE PANEL OPTION B FOR DETAILS.

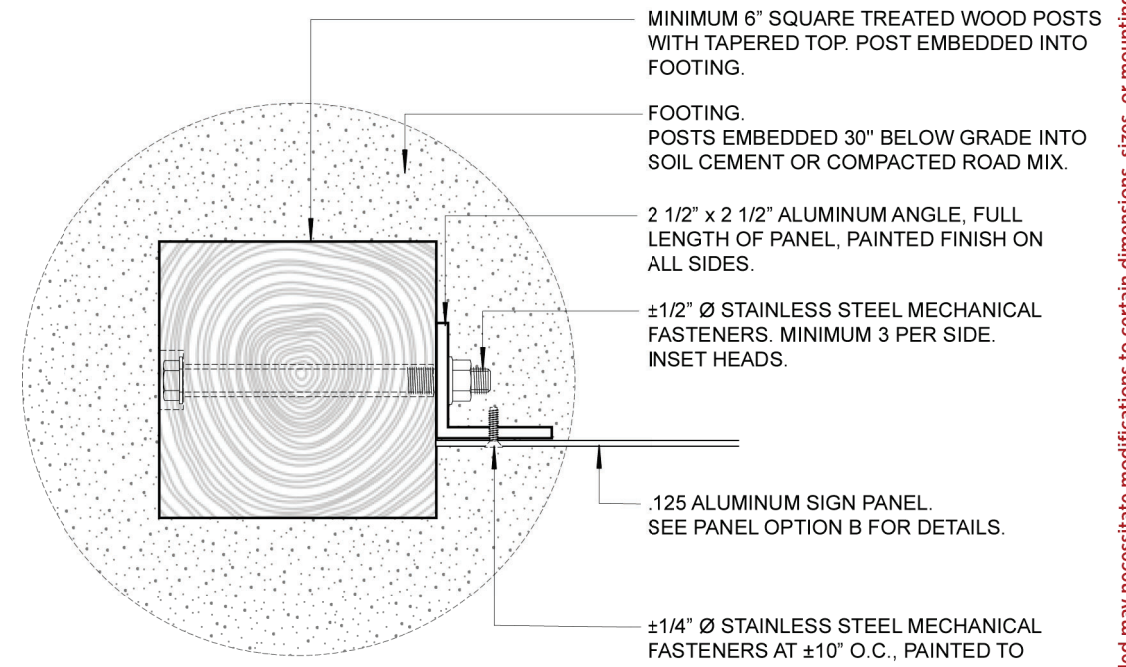
±5/16" X ±5/16" X 1/16" THICK FORMED ALUMINUM THREE-SIDED SLAT HOLDER WITH PAINTED FINISH ON ALL SIDES. MOUNT HOLDER TO SIGN PANEL WITH VHB TAPE AND SILICONE.

REMOVABLE SLAT DETAIL

SCALE: FULL SIZE

GENERAL NOTES:

1. ALL POSTS ARE MINIMUM 6" DIAMETER. ENVIRONMENTAL CONDITIONS MAY REQUIRE LARGER DIAMETER POSTS. REFER TO GENERAL SPECIFICATIONS ITEM 3.4A FOR ADDITIONAL INFORMATION.
2. FOOTINGS TO BE MDT SPECIFIED SOIL CEMENT OR COMPACTED ROAD MIX. CONCRETE NOT USED.
3. CONTRACTOR TO PAINT THE TOP OF ALL WOOD POSTS WITH COPPER NAPHTHANATE PRESERVATIVE.

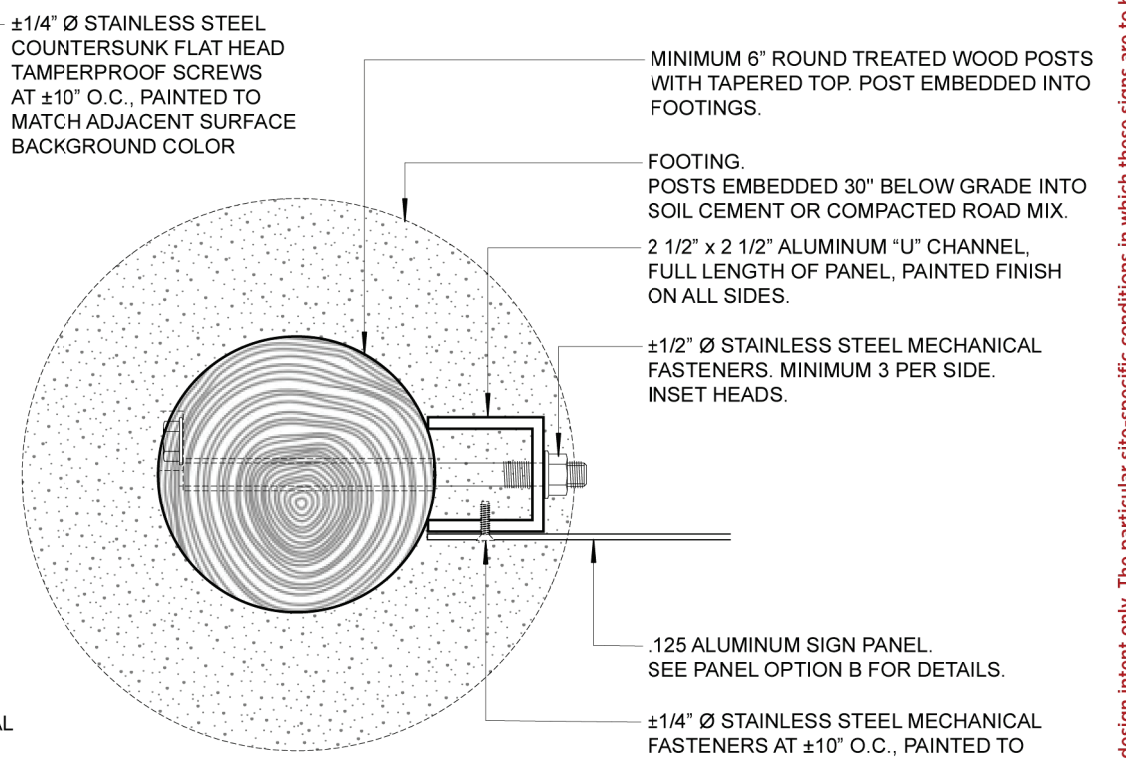


(SQUARE POST OPTION)

MINIMUM 6" SQUARE TREATED WOOD POSTS WITH TAPERED TOP. POST EMBEDDED INTO FOOTING.
 FOOTING. POSTS EMBEDDED 30" BELOW GRADE INTO SOIL CEMENT OR COMPACTED ROAD MIX.
 2 1/2" x 2 1/2" ALUMINUM ANGLE, FULL LENGTH OF PANEL, PAINTED FINISH ON ALL SIDES.
 ±1/2" Ø STAINLESS STEEL MECHANICAL FASTENERS. MINIMUM 3 PER SIDE. INSET HEADS.

.125 ALUMINUM SIGN PANEL. SEE PANEL OPTION B FOR DETAILS.

±1/4" Ø STAINLESS STEEL MECHANICAL FASTENERS AT ±10" O.C., PAINTED TO MATCH ADJACENT SURFACE BACKGROUND COLOR.



(ROUND POST OPTION)

MINIMUM 6" ROUND TREATED WOOD POSTS WITH TAPERED TOP. POST EMBEDDED INTO FOOTINGS.
 FOOTING. POSTS EMBEDDED 30" BELOW GRADE INTO SOIL CEMENT OR COMPACTED ROAD MIX.

2 1/2" x 2 1/2" ALUMINUM "U" CHANNEL, FULL LENGTH OF PANEL, PAINTED FINISH ON ALL SIDES.

±1/2" Ø STAINLESS STEEL MECHANICAL FASTENERS. MINIMUM 3 PER SIDE. INSET HEADS.

.125 ALUMINUM SIGN PANEL. SEE PANEL OPTION B FOR DETAILS.

±1/4" Ø STAINLESS STEEL MECHANICAL FASTENERS AT ±10" O.C., PAINTED TO MATCH ADJACENT SURFACE BACKGROUND COLOR.

CONSTRUCTION DETAILS

SCALE: 3"

These drawings represent design intent only. The particular site-specific conditions in which these signs are to be installed may necessitate modifications to certain dimensions, sizes, or mounting heights. Industry best practices of sign scale and visibility should be applied when making modifications. Any modification of signs within this guideline must be approved by Montana FWP.