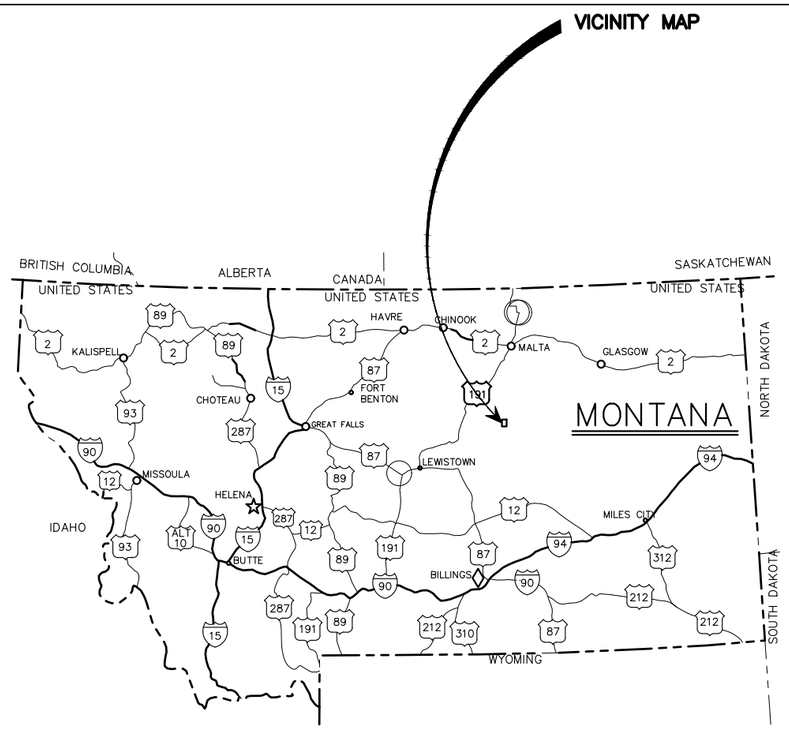
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

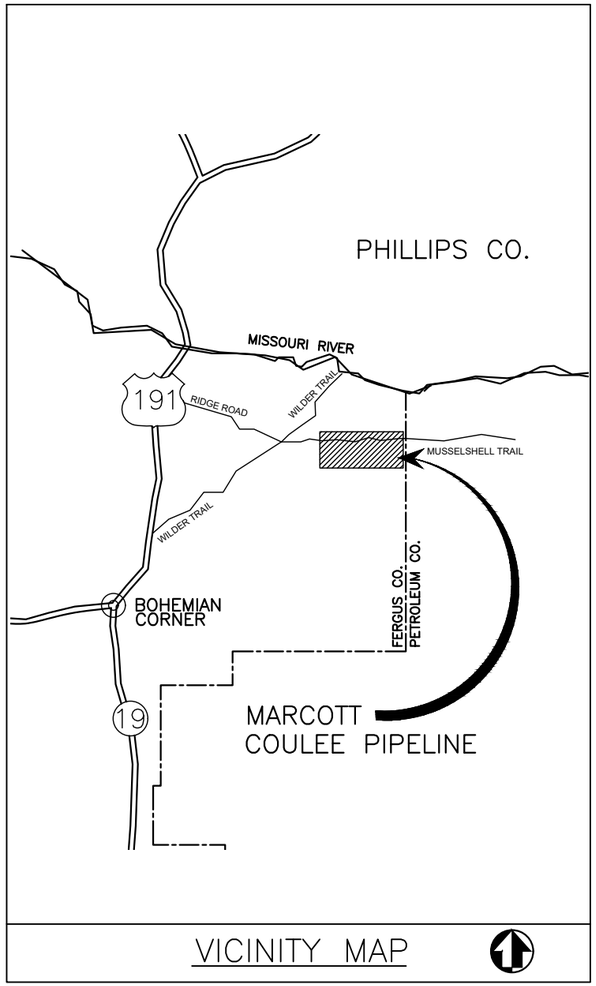
2026 MARCOTT COULEE PIPELINE

FERGUS CO.

LEWISTOWN FIELD OFFICE



STATE REFERENCE MAP



VICINITY MAP

DRAWING INDEX

SHEET	DESCRIPTION	CAD DRAWING
1	TITLE SHEET	X
2	PIPELINE PLAN VIEW	X
3	SHEET 3 PLAN VIEW	X
4	SHEET 4 PLAN VIEW	X
5	SHEET 5 PLAN VIEW	X
6	SHEET 6 PLAN VIEW	X
7	SHEET 7 PLAN VIEW	X
8	SHEET 8 PLAN VIEW	X
9	SHEET 9 PLAN VIEW	X
10	PIPELINE DETAILS 1	X
11	PIPELINE DETAILS 2	X
12	TRENCH DETAILS	X
13	STOCK TANK DETAILS 1	X
14	STOCK TANK DETAILS 2	X

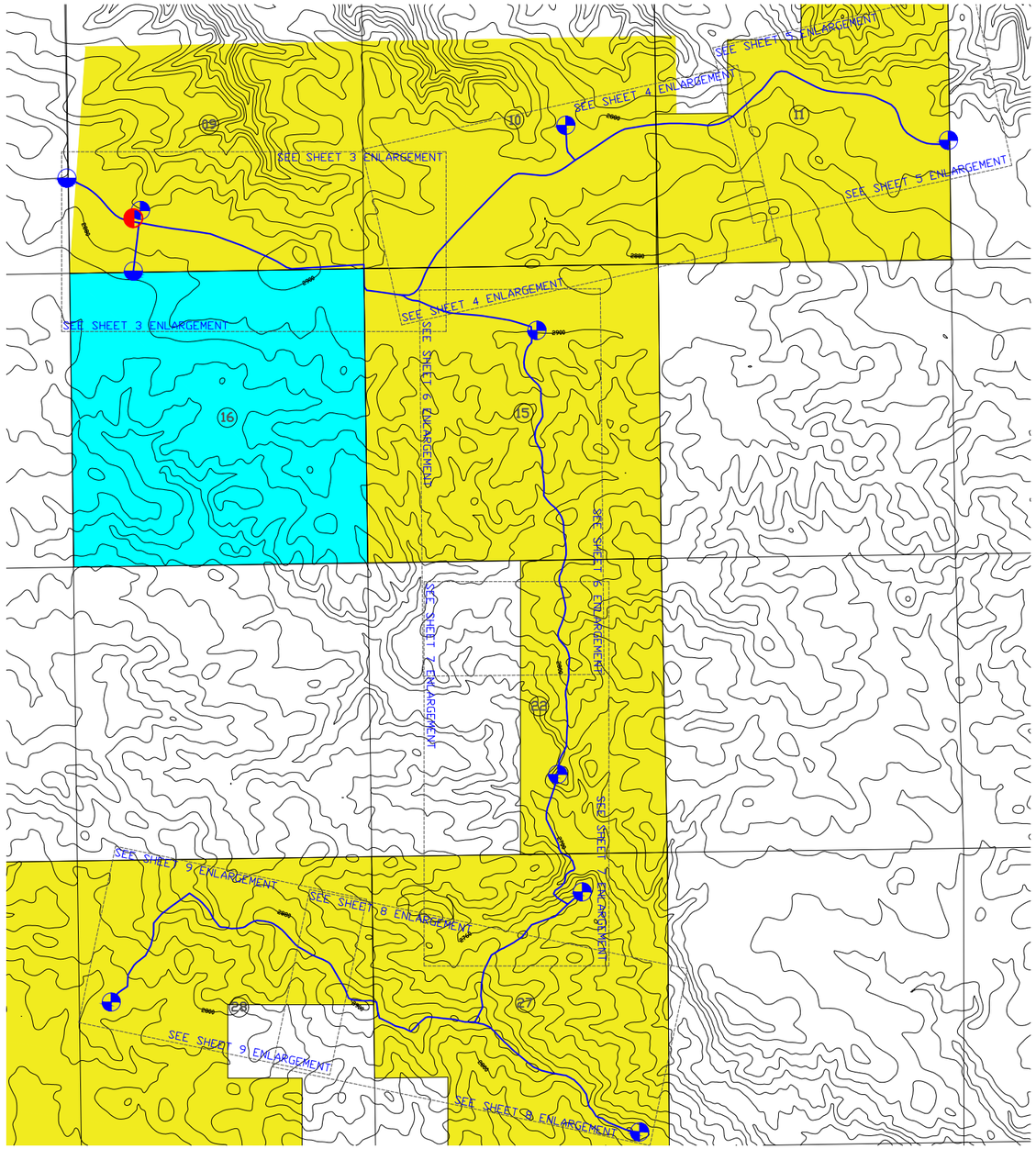
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

TITLE SHEET
2026 MARCOTT COULEE PIPELINE
MONTANA
LEWISTOWN FIELD OFFICE

MARK	REVISION	DATE	APPROVED

AUTOCAD NAME: X.DWG
PROJECT NO: X — 01/01/2026
DESIGN OFFICE: LEWISTOWN FIELD OFFICE — 01/01/2026
RECOMMENDED BY — DATE — 01/01/2026
APPROVED BY — DATE — 01/01/2026



MARCOTT PIPELINE PLAN VIEW

SCALE 1" = 3000'

CONTOUR LINE INTERVAL 20.0'

NOTE: THE EXACT LOCATION OF ALL DEVICES WILL BE STAKED IN THE FIELD BY THE GOVERNMENT

LEGEND

- BLM LAND
- STATE LAND
- CONTOUR LINE
- (16) SECTION NUMBER
- NEW STOCKWATER PIPELINE
- NEW STOCK TANK
- WT-8 NEW REMOTE TAP
- RT-1 EXISTING FIRE FILL AND MARCOTT COULEE WELL
- AAV COMBINATION VALVE - VENT
- CURB STOP

THINK SAFETY CALL BEFORE DIGGING 1-800-424-5555 OR 811

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PIPELINE PLAN VIEW

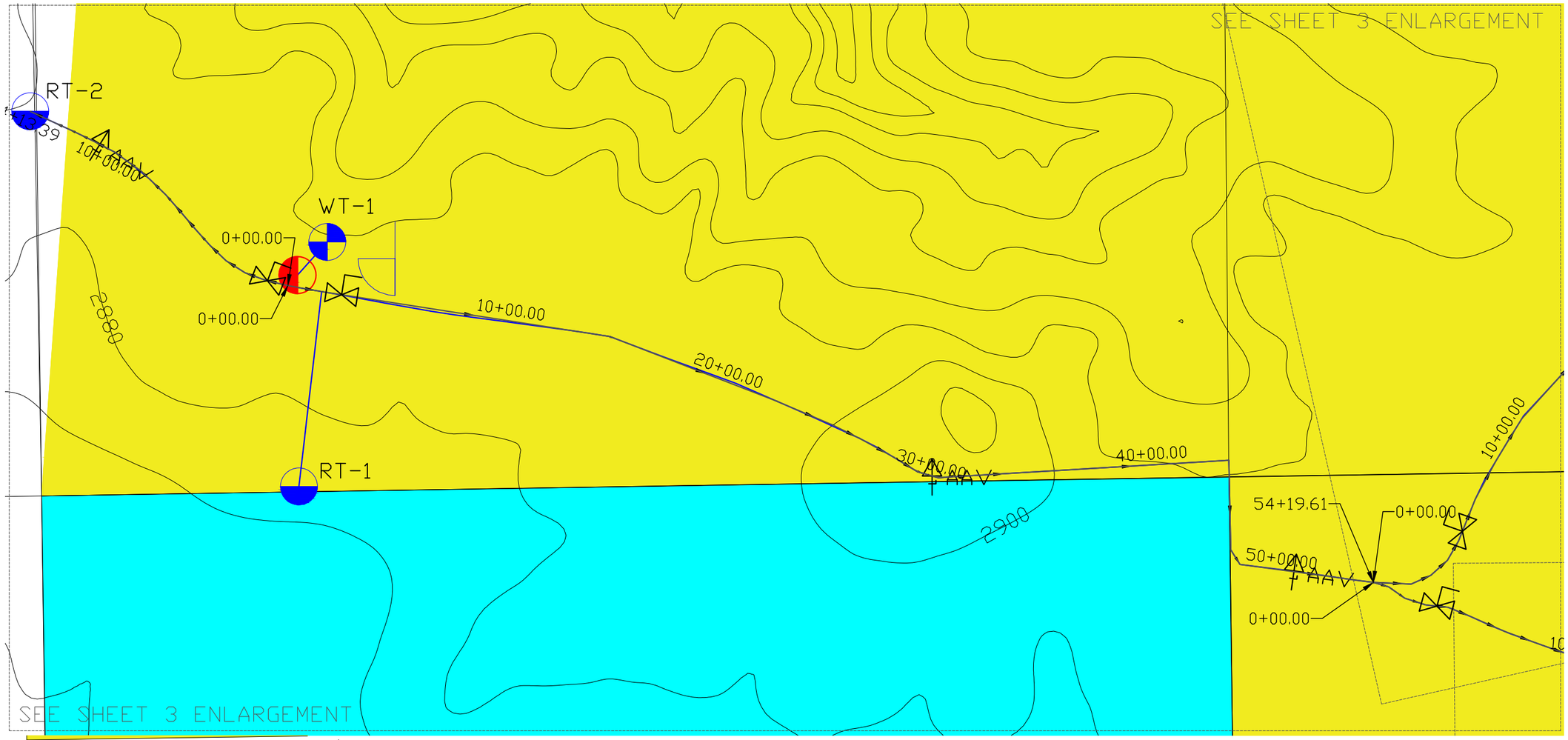
2026 MARCOTT COULEE PIPELINE

MONTANA

LEWISTOWN FIELD OFFICE

	MARK	REVISION	DATE	APPROVED

AUTOCAD NAME: X.DWG
DESIGN OFFICE: LEWISTOWN FIELD OFFICE
DESIGNED BY: JOHN HUNTER DATE: 01/01/2026
DRAWN BY: JOHN HUNTER DATE: 01/01/2026
CHECKED BY: X DATE: 01/01/2026
APPROVED BY: X DATE: 01/01/2026



LEGEND

- BLM LAND
- STATE LAND
- CONTOUR LINE
- (16) SECTION NUMBER
- NEW STOCKWATER PIPELINE
- NEW STOCK TANK
- WT-8 NEW REMOTE TAP
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- AAV COMBINATION VALVE - VENT
- CURB STOP

N

MARCOTT PIPELINE PLAN VIEW

SCALE 1" = 3000'
CONTOUR LINE INTERVAL 20.0'

NOTE: THE EXACT LOCATION OF ALL DEVICES WILL BE STAKED IN THE FIELD BY THE GOVERNMENT

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U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SHEET 3 PLAN VIEW

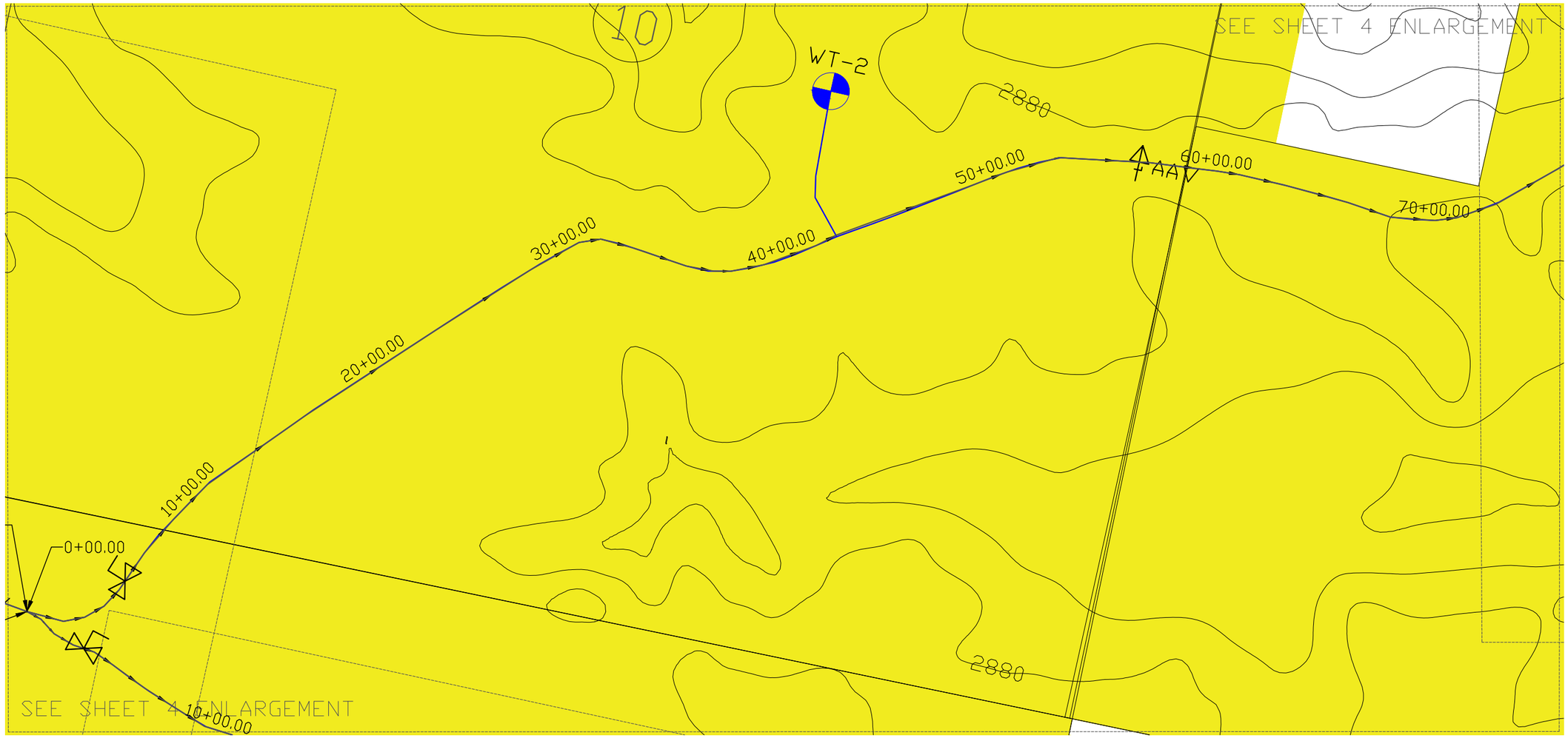
2026 MARCOTT COULEE PIPELINE

MONTANA

LEWISTOWN FIELD OFFICE

MARK	REVISION	DATE	APPROVED

AUTOCAD NAME: X.DWG
DESIGN OFFICE: LEWISTOWN FIELD OFFICE — DATE: 01/01/2026
DESIGNED BY: JOHN HUNTER — DATE: 01/01/2026
DRAWN BY: JOHN HUNTER — DATE: 01/01/2026
CHECKED BY: X — DATE: 01/01/2026
APPROVED BY: X — DATE: 01/01/2026



LEGEND

- BLM LAND
- STATE LAND
- CONTOUR LINE
- (16) SECTION NUMBER
- NEW STOCKWATER PIPELINE
- NEW STOCK TANK
- WT-8 NEW REMOTE TAP
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MARCOTT PIPELINE PLAN VIEW

SCALE 1" = 3000'
CONTOUR LINE INTERVAL 20.0'

NOTE: THE EXACT LOCATION OF ALL DEVICES WILL BE STAKED IN THE FIELD BY THE GOVERNMENT

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U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SHEET 4 PLAN VIEW
2026 MARCOTT COULEE PIPELINE
LEWISTOWN FIELD OFFICE
MONTANA

MARK	REVISION	DATE	APPROVED

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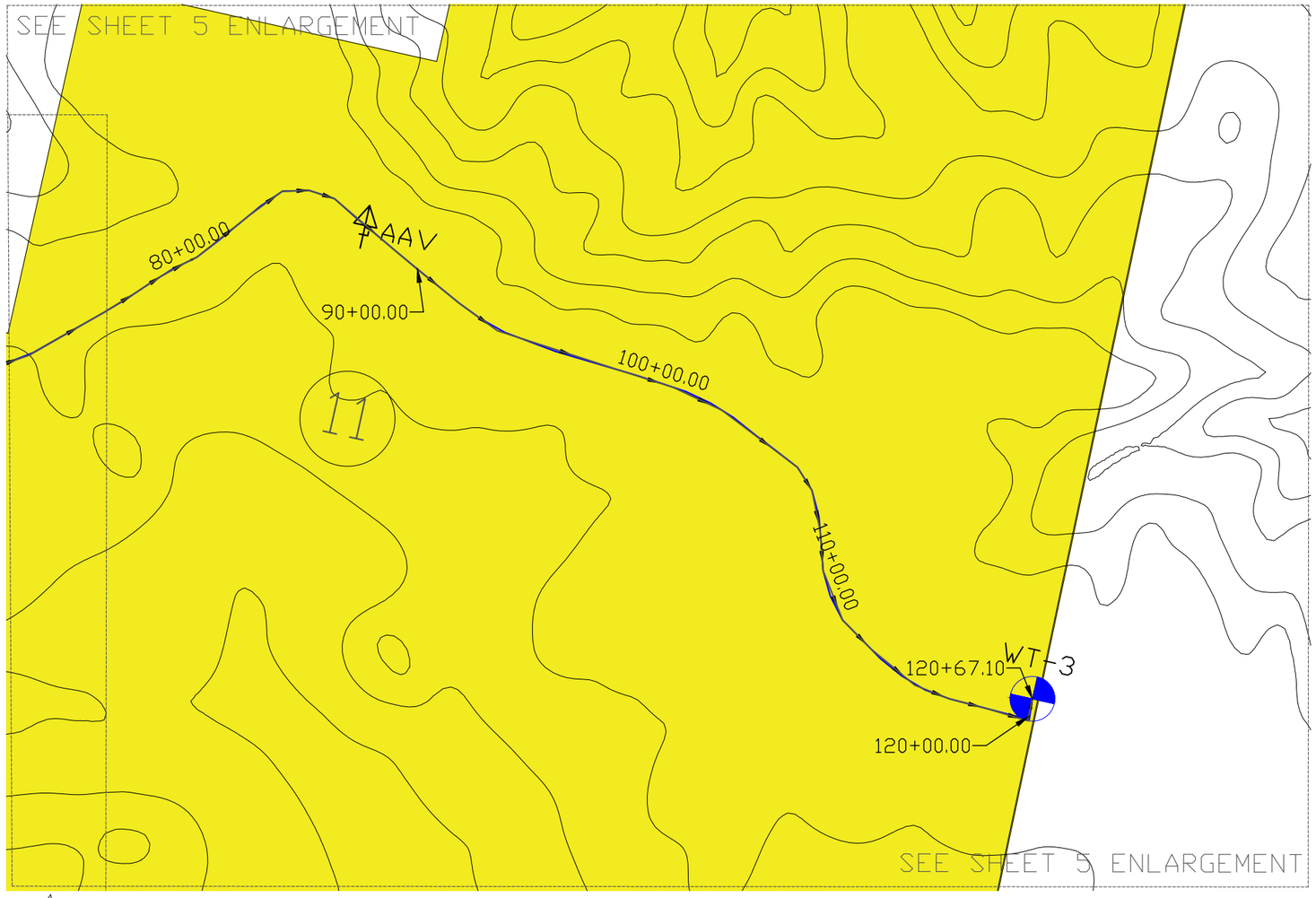

LEGEND

- BLM LAND
- STATE LAND
- CONTOUR LINE
- (16) SECTION NUMBER
- NEW STOCKWATER PIPELINE
- NEW STOCK TANK
- WT-# NEW REMOTE TAP
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- AAV COMBINATION VALVE - VENT
- CURB STOP

N

SHEET 5 PLAN VIEW

SCALE 1" = 3000'
CONTOUR LINE INTERVAL 20.0'

NOTE: THE EXACT LOCATION OF ALL DEVICES WILL BE STAKED IN THE FIELD BY THE GOVERNMENT

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U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SHEET 5 PLAN VIEW
2026 MARCOTT COULEE PIPELINE
MONTANA
LEWISTOWN FIELD OFFICE

MARK	REVISION	DATE	APPROVED

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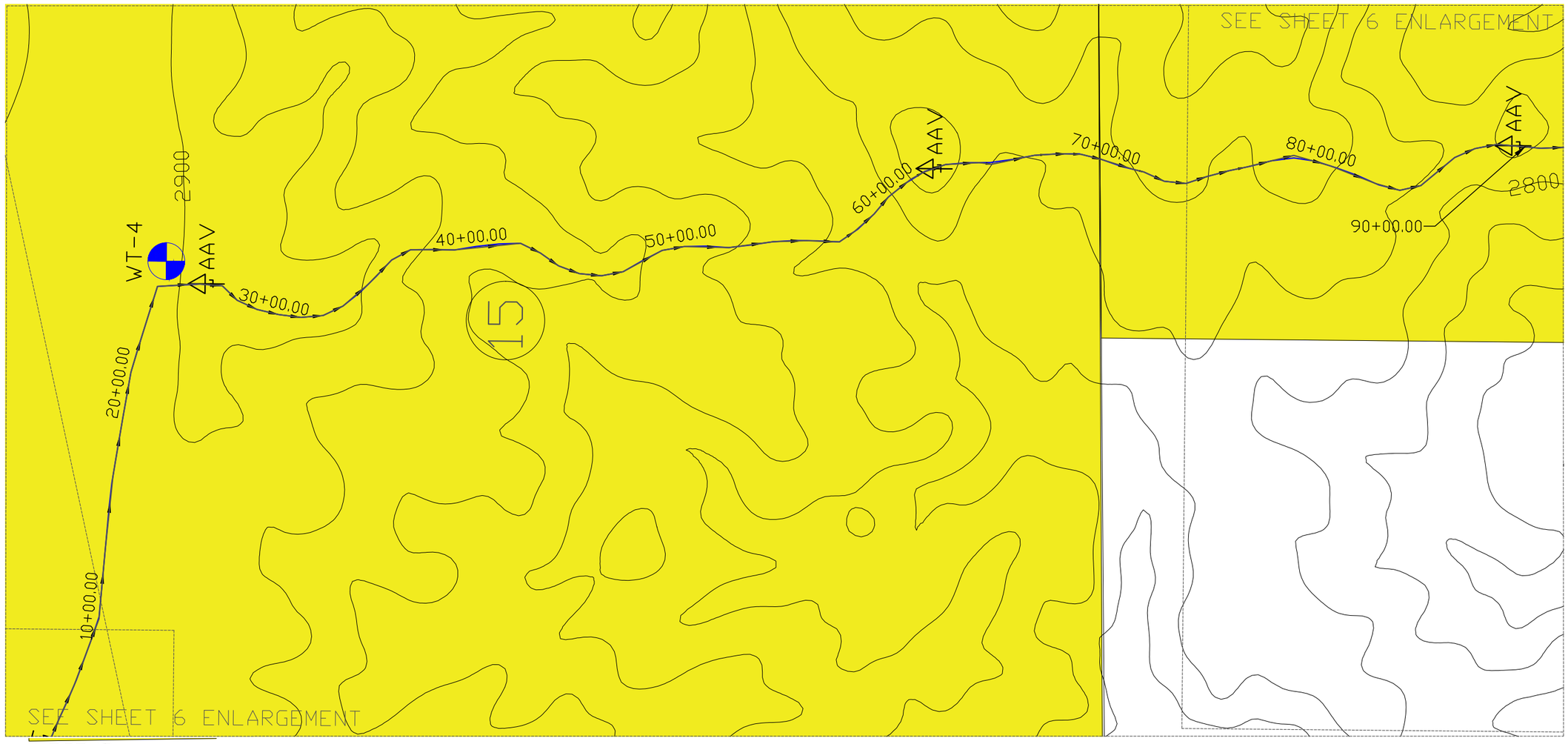

LEGEND

- BLM LAND
- STATE LAND
- CONTOUR LINE
- (16) SECTION NUMBER
- NEW STOCKWATER PIPELINE
- NEW STOCK TANK
- WT-8 NEW REMOTE TAP
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- AAV COMBINATION VALVE - VENT
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N

SHEET 6 PLAN VIEW

SCALE 1" = 3000'
CONTOUR LINE INTERVAL 20.0'

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U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SHEET 6 PLAN VIEW

2026 MARCOTT COULEE PIPELINE

LEWISTOWN FIELD OFFICE MONTANA

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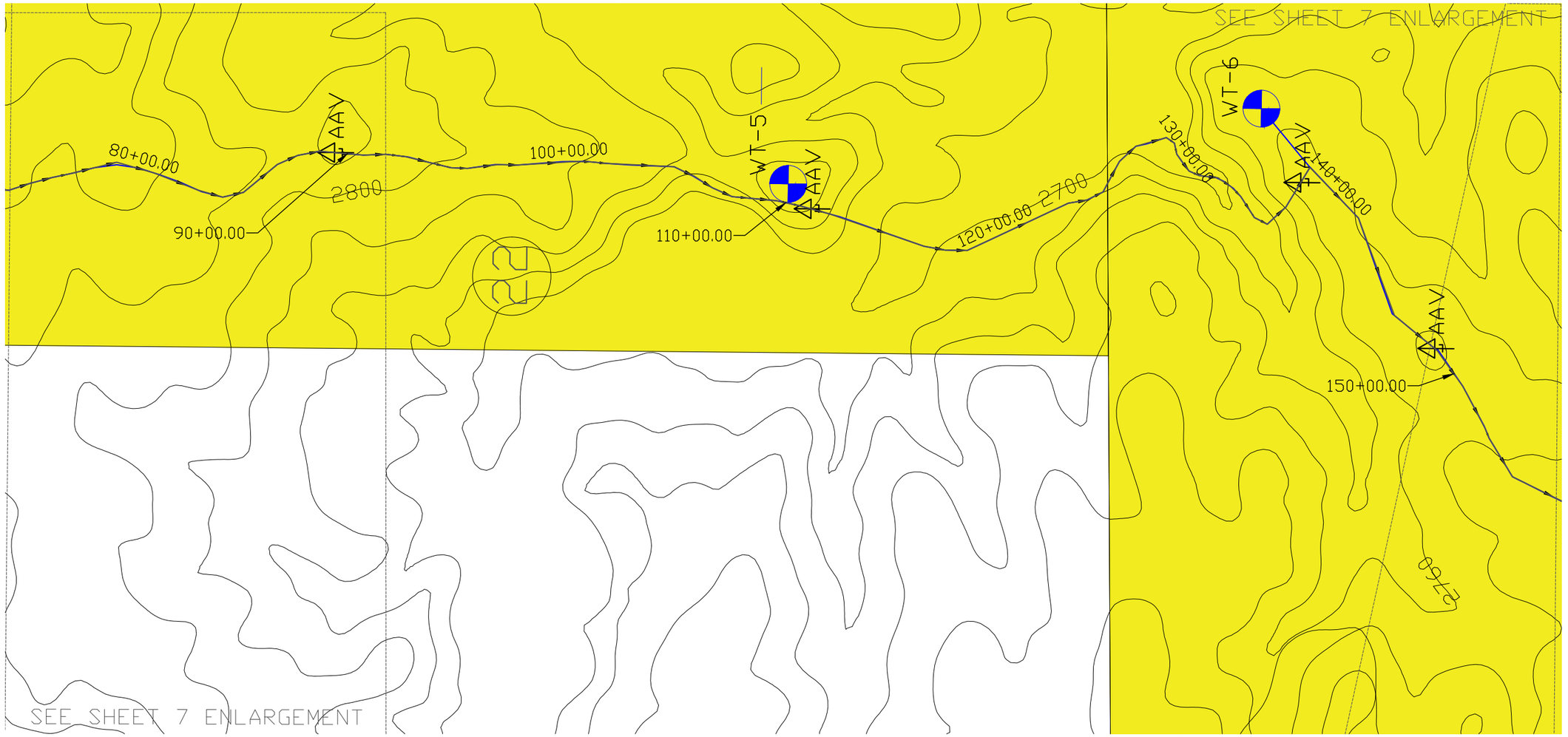

LEGEND

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- (16) SECTION NUMBER
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SHEET 7 PLAN VIEW

SCALE 1" = 3000'
CONTOUR LINE INTERVAL 20.0'

NOTE: THE EXACT LOCATION OF ALL DEVICES WILL BE STAKED IN THE FIELD BY THE GOVERNMENT

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U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SHEET 7 PLAN VIEW

2026 MARCOTT COULEE PIPELINE

LEWISTOWN FIELD OFFICE MONTANA

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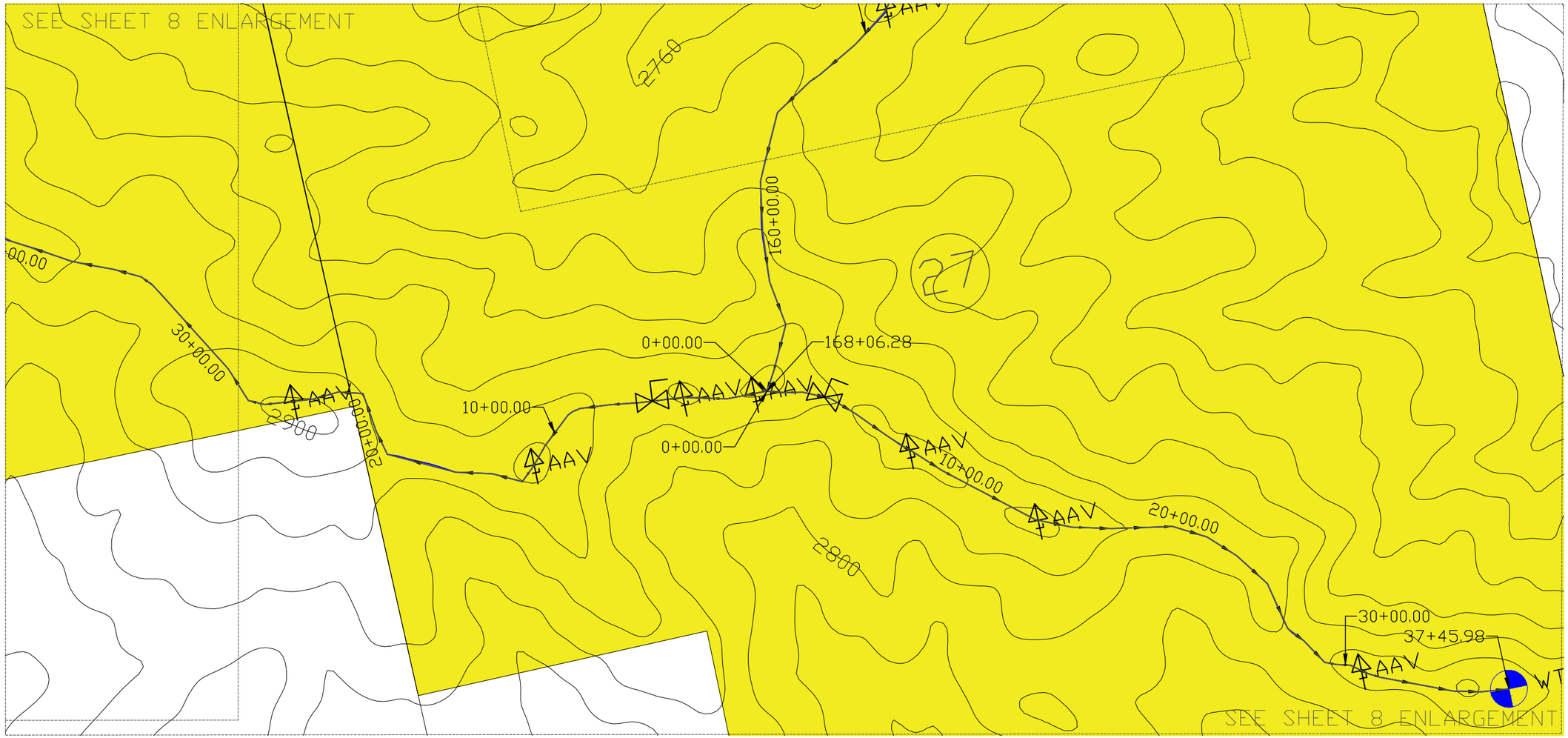

LEGEND

- BLM LAND
- STATE LAND
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- (16) SECTION NUMBER
- NEW STOCKWATER PIPELINE
- NEW STOCK TANK
- VT-B NEW REMOTE TAP
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- CURB STOP

SHEET 8 PLAN VIEW

SCALE 1" = 500'
CONTOUR LINE INTERVAL 20.0'

NOTE: THE EXACT LOCATION OF ALL DEVICES WILL BE STAKED IN THE FIELD BY THE GOVERNMENT

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U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SHEET 8 PLAN VIEW
2026 MARCOTT COULEE PIPELINE
LEWISTOWN FIELD OFFICE MONTANA

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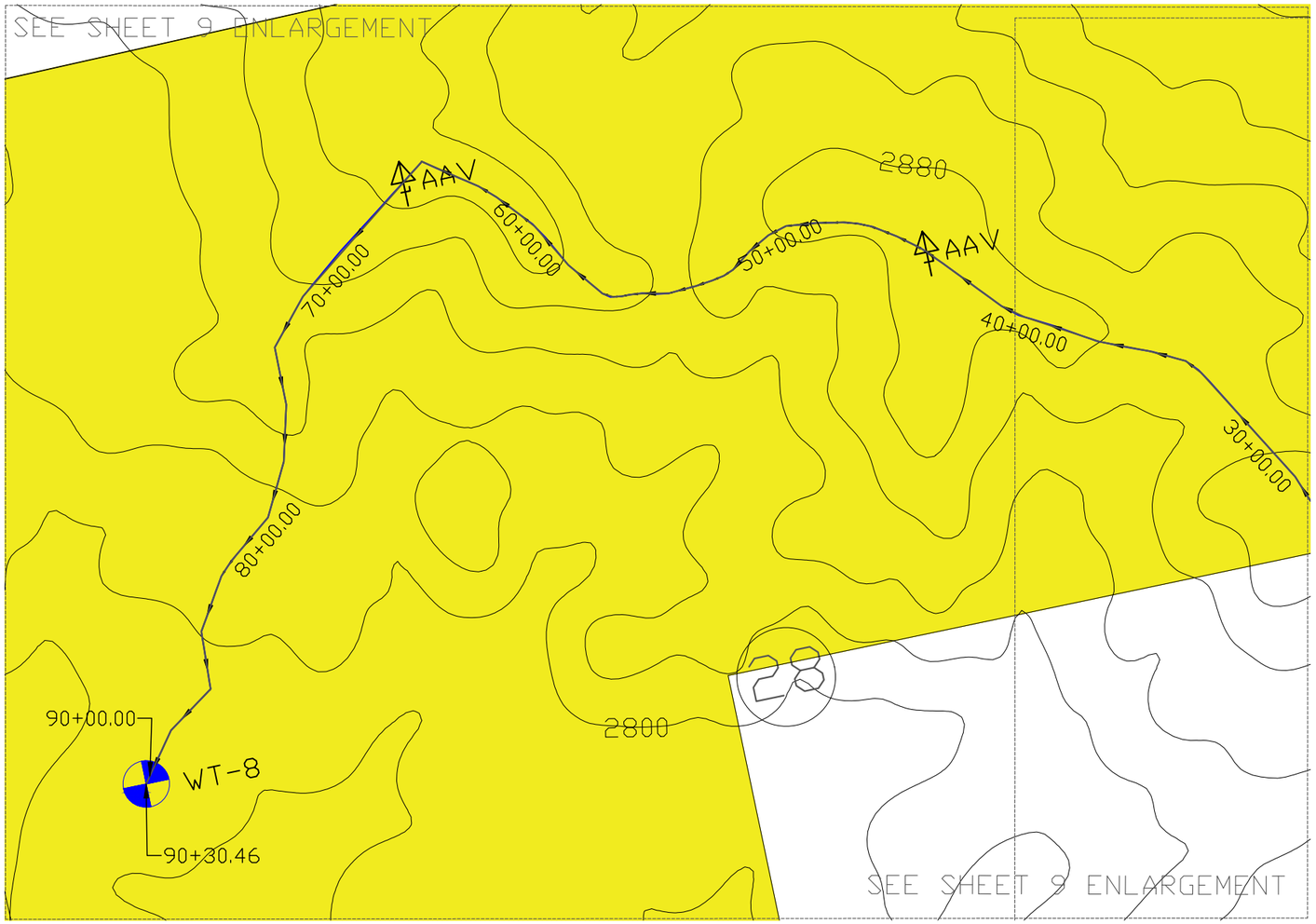

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- CURB STOP

SHEET 9 PLAN VIEW

SCALE 1" = 500'
CONTOUR LINE INTERVAL 20.0'

NOTE: THE EXACT LOCATION OF ALL DEVICES WILL BE STAKED IN THE FIELD BY THE GOVERNMENT

THINK SAFETY CALL BEFORE DIGGING 1-800-424-5555 OR 811

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SHEET 9 PLAN VIEW
2026 MARCOTT COULEE PIPELINE
MONTANA
LEWISTOWN FIELD OFFICE

MARK	REVISION	DATE	APPROVED

AUTOCAD NAME: X.DWG
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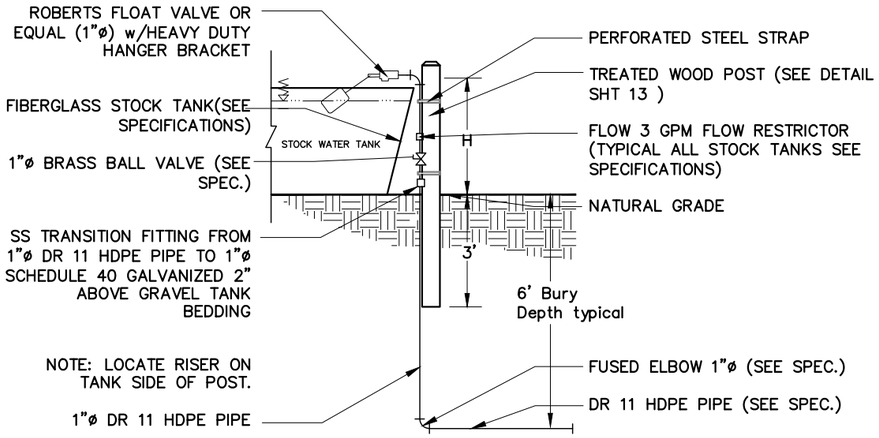
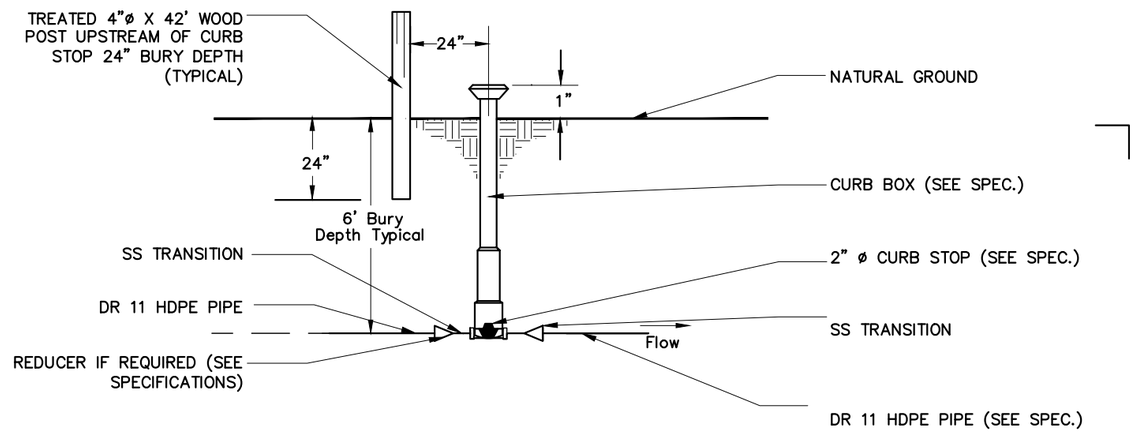


NOTE: Locate Riser on Tank Side of Post.

A/10 WATERING ASSEMBLY

NOT TO SCALE

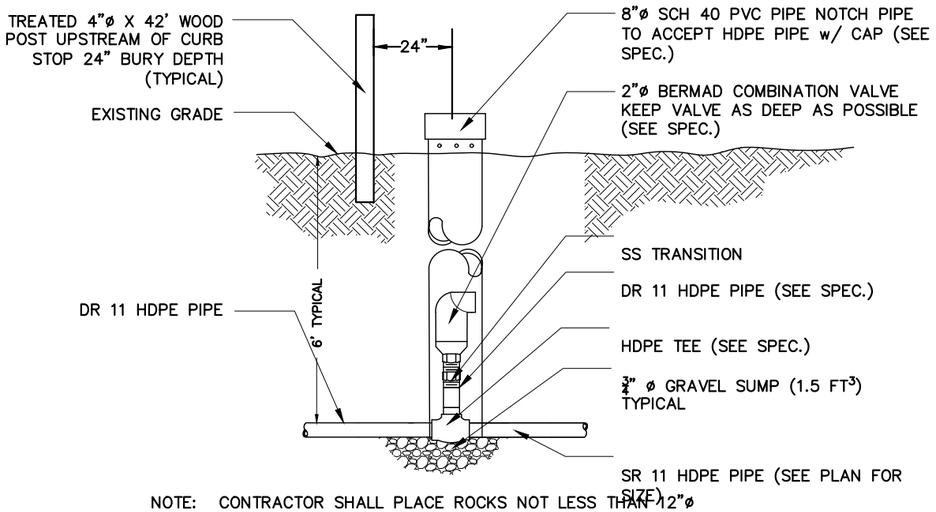
NOTE: EACH STOCK TANK TO RECEIVE A WATERING ASSEMBLY WATERING ASSEMBLY INCLUDES A 1" DIAMETER CURB STOP AND WASTE



B/10 CURB STOP VALVE

NOT TO SCALE

NOTE: CURB STOPS W/O DRAINS (2" DIA) WILL BE USED AT 6 LOCATIONS TO ISOLATE SPECIFIC REACHES OF THE PIPELINE.

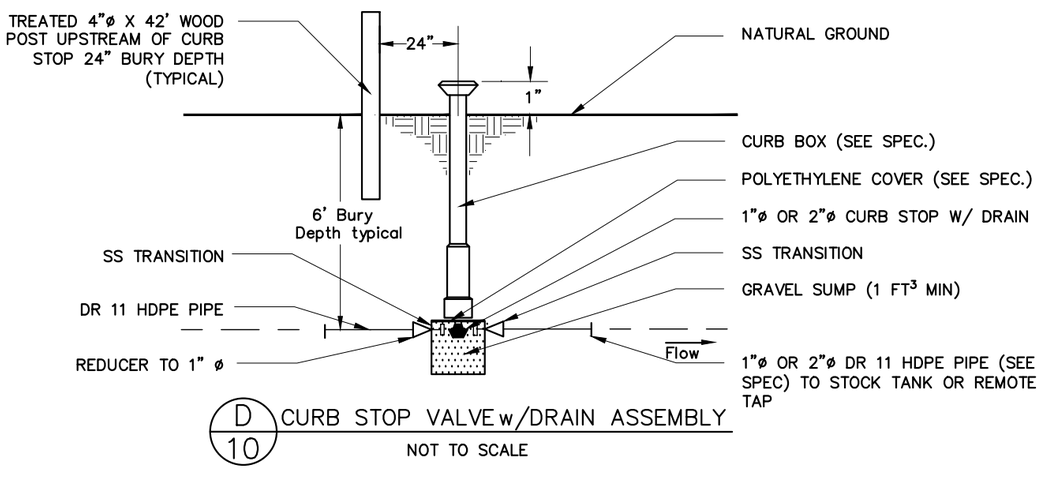


NOTE: CONTRACTOR SHALL PLACE ROCKS NOT LESS THAN 12"ø AROUND THE PVC CAP TO PROTECT IT FROM LIVESTOCK

C/10 AIR & VACUUM RELEASE VALVE

NOT TO SCALE

NOTE: EXACT LOCATION WILL BE STAKED IN FIELD BY THE GOVERNMENT OF ALL AIR AND VACUUM RELEASE VALVES



D/10 CURB STOP VALVE w/DRAIN ASSEMBLY

NOT TO SCALE

NOTE: CURB STOPS AND DRAINS WILL BE USED AT EACH STOCK TANK (1' DIA) AND REMOTE TAP (2").

THINK SAFETY CALL BEFORE DIGGING 811 or 1-800-424-5555

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PIPELINE DETAILS 1

2026 MARCOTT COULEE PIPELINE

MONTANA

LEWISTOWN FIELD OFFICE

MARK	REVISION	DATE	APPROVED

AUTOCAD NAME: X.DWG
DESIGN OFFICE: LEWISTOWN FIELD OFFICE
DESIGNED BY: JOHN HUNTER DATE: 01/01/2026
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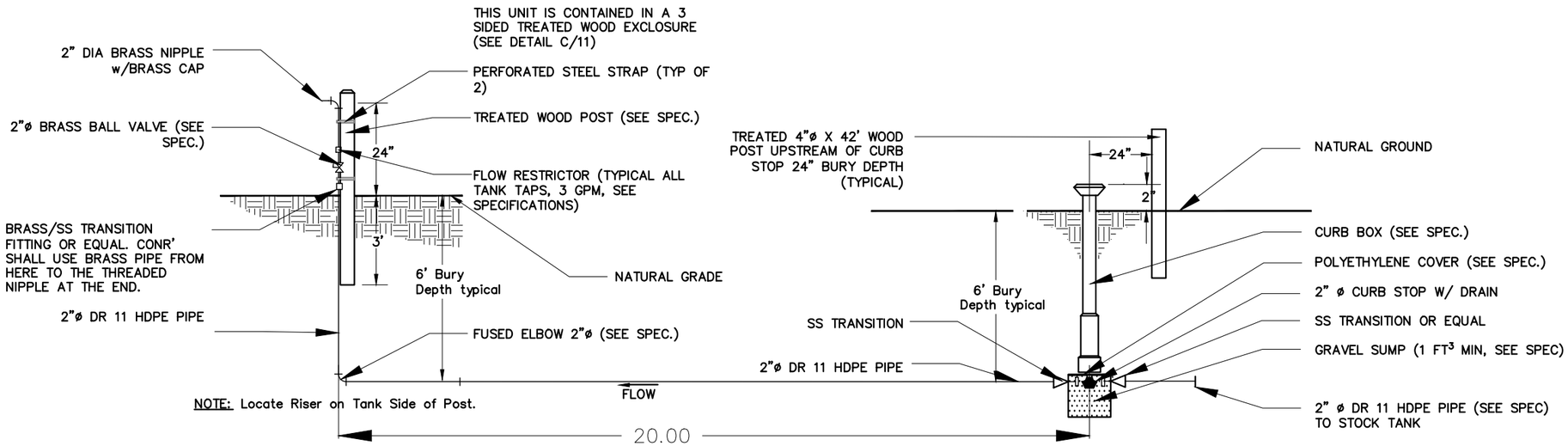
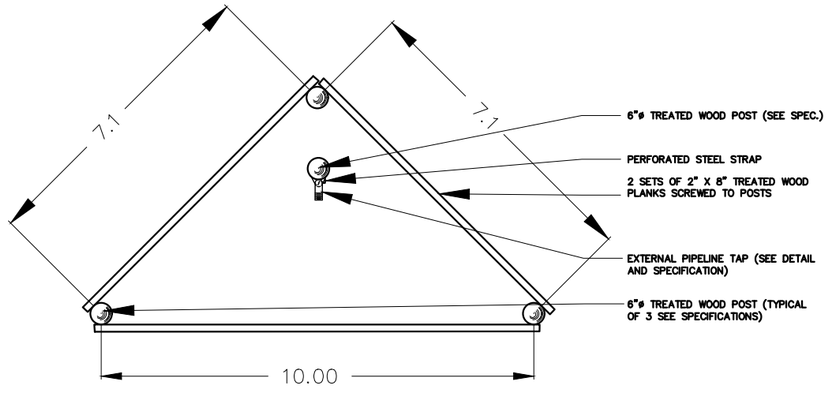


TYPICAL REMOTE TANK TAP

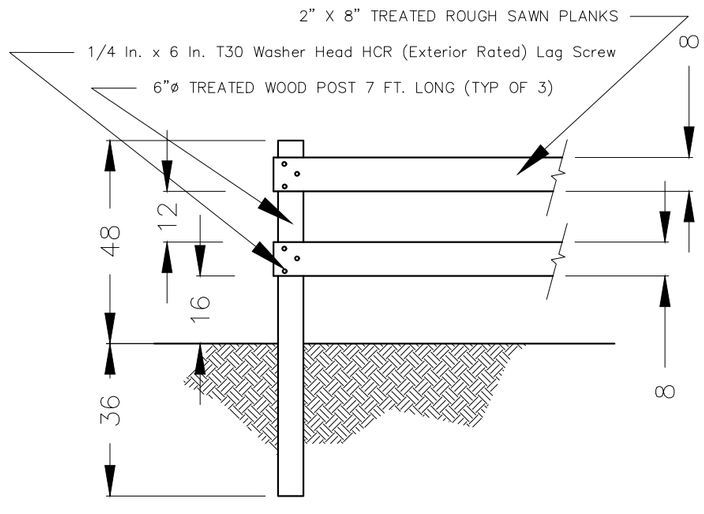
NOT TO SCALE



C/11 PIPELINE TAP EXCLOSURE PLAN

NOT TO SCALE

ALL DIMENSION IN THIS DETAIL ARE IN FEET



D/11 EXTERNAL TAP EXCLOSURE PANEL DETAIL TYPICAL OF 3

NOT TO SCALE

ALL DIMENSION IN THIS DETAIL ARE IN INCHES

THINK SAFETY CALL BEFORE DIGGING 811 or 1-800-424-5555

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
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PIPELINE DETAILS 2

2026 MARCOTT COULEE PIPELINE

LEWISTOWN FIELD OFFICE MONTANA

MARK	REVISION	DATE	APPROVED

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DESIGN OFFICE: LEWISTOWN FIELD OFFICE
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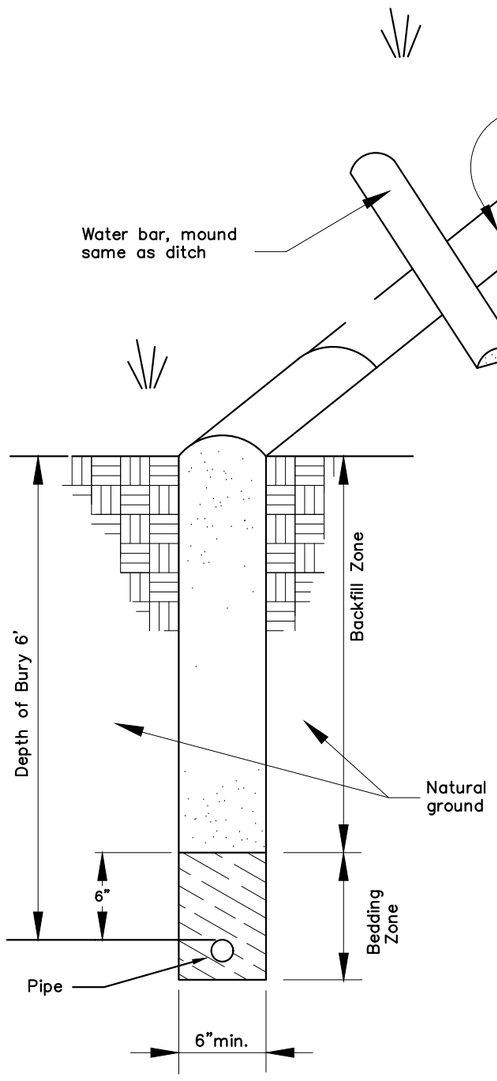
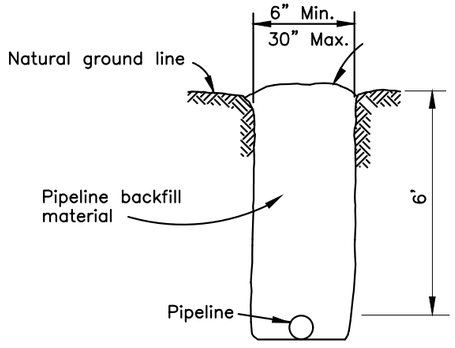
B/12 TRENCH WITH WATER BAR

NTS

Typical trench detail



Mound excess backfill material



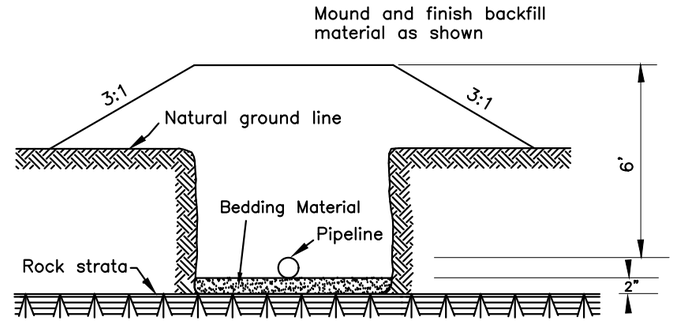
A/12 TRENCH–TYPE I INSTALLATION

NTS

Typical trench detail

WHERE THE TRENCH CROSSES THE COUNTY ROAD (MIN 24" WIDE) THE CONTRACTOR SHALL BACKFILL IN LIFTS NOT TO EXCEED 8" AND COMPACT THE SOIL TO A MIN OF 95% . THE CONTRACTOR SHALL MAKE CERTAIN THAT ADEQUATE MOISTURE EXISTS TO REACH THE 95% COMPACTION.

Mound and finish backfill material as shown



C/12 MOUNDED–TYPE II INSTALLATION

NTS

In the event of encountering an unpenitratable rock ledge during trenching, the pipe will be installed as per the Mounded Type II trench detail as approved by the Contracting Officer.

Slope % *	Water Bar Interval–ft.
5 – 10	800
10 – 20	500
20 – 30	200

* Where slope distance is shorter than recommened interval, place one water bar midway on slope.

THINK SAFETY CALL BEFORE DIGGING 811 or 1–800–424–5555

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
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TRENCH DETAILS

2026 MARCOTT COULEE PIPELINE

LEWISTOWN FIELD OFFICE MONTANA

MARK	REVISION	DATE	APPROVED

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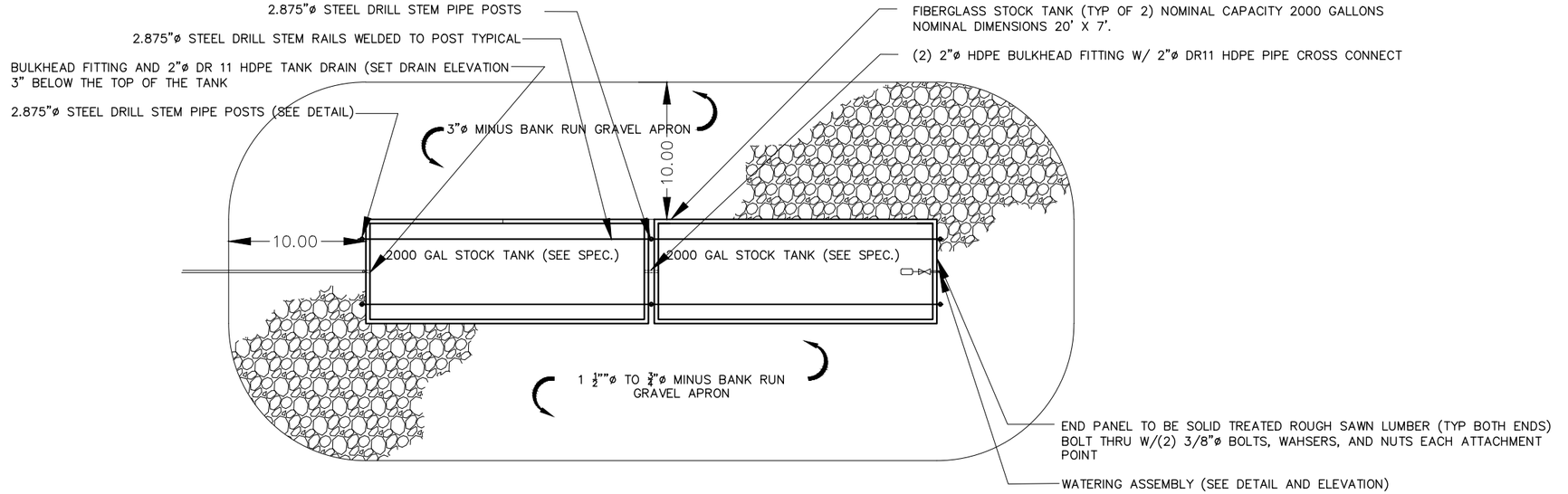
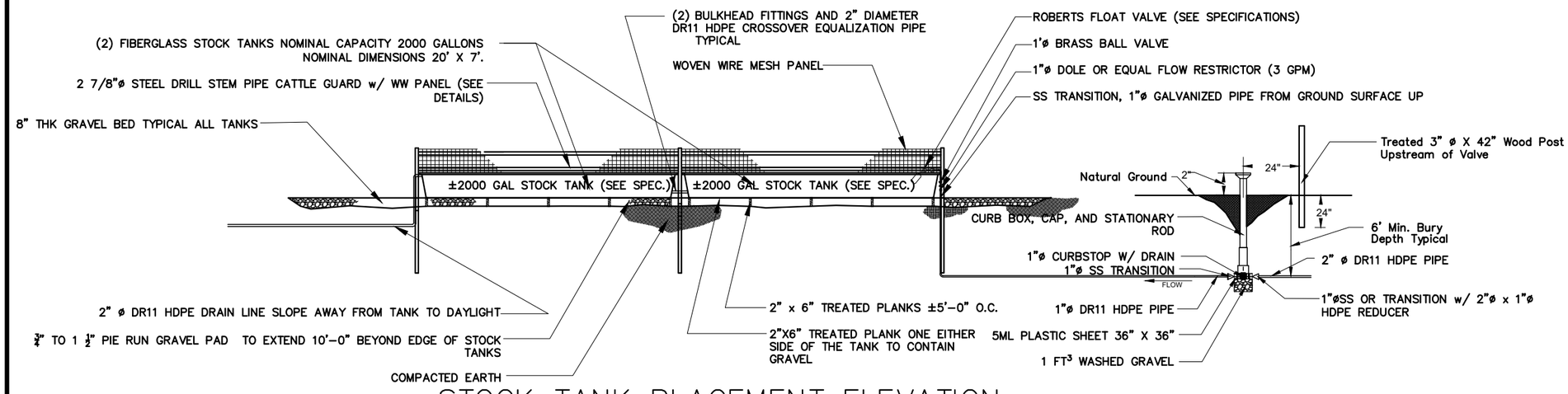


STOCK TANK PLACEMENT PLAN

SCALE 1" = 10'–0"



STOCK TANK PLACEMENT ELEVATION

SCALE 1" = 10'–0"

NOTE CONTRACTOR SHALL SUBMITT A DETAIL FOR APPROVAL ON CATTLE GUARD

THINK SAFETY CALL BEFORE DIGGING 811 or 1–800–424–5555

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
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STOCK TANK DETAIL1

2026 MARCOTT COULEE PIPELINE

MONTANA

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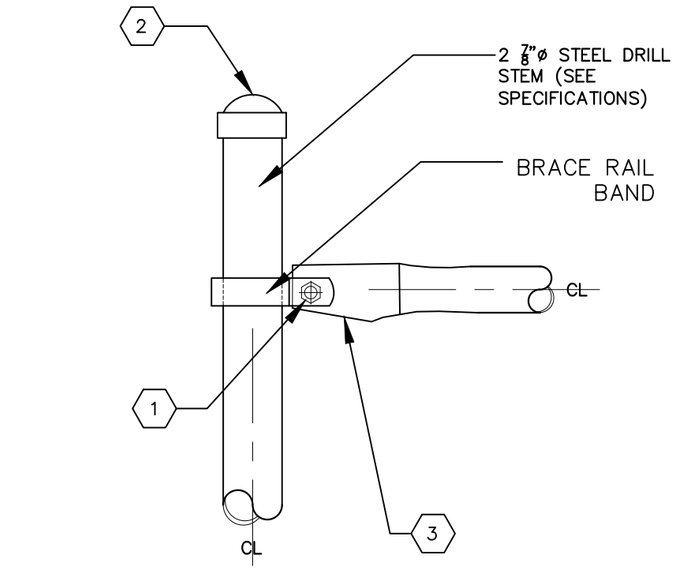
DRAWN BY: JOHN HUNTER DATE: 01/01/2026
CHECKED BY: X DATE: 01/01/2026
APPROVED BY: X DATE: 01/01/2026



STEEL BRACE POST DETAIL

Not To Scale

KEY NOTES:

1. 3/8" galvanized grade 5 carriage bolt Typical
2. 2 7/8" steel dome post cap Typical
3. Weld on 1/4" plate, or flatten approx. 1 1/2" on both ends of the brace rail and drill/punch a hole in the plate or flattened area for 3/8" bolt

GENERAL NOTE:

1. SEE SPECIFICATIONS, AND DETAILS FOR OTHER REQUIREMENTS
2. CONTR' SHALL MAKE CERTAIN THAT THE BRACE RAIL BAND IS SIZED TO MAKE A TIGHT FIT SO THE RAIL DOESN'T SLIDE DOWN THE POST WHEN BOLT IS FULLY TIGHTENED.
3. DRILL STEM LENGTH TO BE A MIN OF 9 FEET LONG
4. MIN DRIVE DRILL STEM A MINIMUM OF 48" INTO EARTH

Cattle Guard and Panel Specifications

General Notes

- Cattle guards at stock tanks must be submitted for government approval prior to purchase, fabrication, or installation. (CONTR' MUST STATE WHAT GUARD PIPE OR CABLE AT THE TIME OF THE BID.)

Materials

1. Guard Rails
   - A. All drill stem used shall have a diameter of 2 7/8 inches and a wall thickness of 0.36 inches.
   - B. Drill stem must be free of excess rust or oxidation.
   - C. Top caps are required for all drill stem ends.
   - D. Panels must support a woven wire mesh.
2. Livestock panels
   - A. Maximum wire spacing: 6 inches by 6 inches.
   - B. Panel height: 48 inches.
   - C. Minimum wire size: 10/10 gauge.

Construction Methods

1. Bolt Connections:
2. Use drill stem rails, brace bands, and plates for assembly.

Panel Requirements

1. Panels must support a woven wire mesh.
2. Maximum wire spacing: 6 inches by 6 inches.
3. Panel height: 48 inches.
4. Minimum wire size: 10/10 gauge.

THINK SAFETY CALL BEFORE DIGGING 811 or 1-800-424-5555

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

STOCK TANK DETAILS 2
2026 MARCOTT COULEE PIPELINE

LEWISTOWN FIELD OFFICE MONTANA

	MARK	REVISION	DATE	APPROVED

AUTOCAD NAME: X.DWG
DESIGN OFFICE: LEWISTOWN FIELD OFFICE
DESIGNED BY: JOHN HUNTER DATE: 01/01/2026
DRAWN BY: JOHN HUNTER DATE: 01/01/2026
CHECKED BY: X DATE: 01/01/2026
APPROVED BY: X DATE: 01/01/2026