

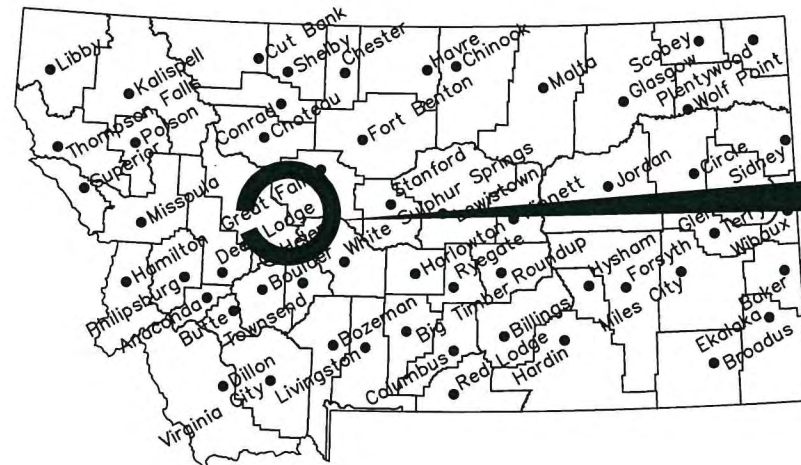
MONTANA FISH, WILDLIFE & PARKS

Beartooth Wildlife Management Area

2022 Boundary Fence

near Wolf Creek, MT

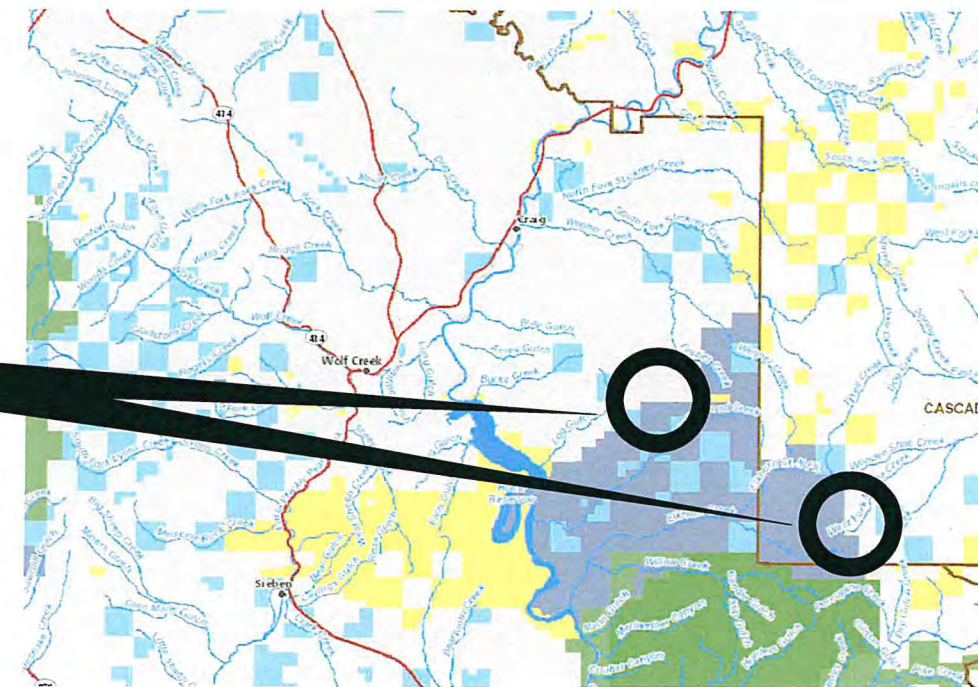
FWP # 7215401



Location Map

No Scale

Project Location



Vicinity Map

No Scale

North



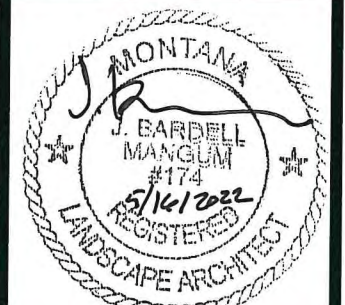
MONTANA FISH, WILDLIFE AND PARKS
DESIGN AND CONSTRUCTION

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

- | | | | |
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MONTANA FISH,
WILDLIFE & PARKS

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COVER
BEARTOOTH WMA 2022 BOUNDARY FENCE

SHEET: 1 of 11

Estimated Quantities - Beartooth WMA 2022 Boundary Fence

LOCATION	LF			EA				Stream Crossing
	Remove Fence	4- Wire Boundary Fence	Wood Post and Rail Fence	2 Post Panel	3 Post Panel	5 - Post Panel	16' Wire Gate	
A to B	3696	3646	50	8	5		1	
C to D	5808	5808		10	5	1	3	1
D to E	11616	11616		12	13		5	
F to G	2166	2166		6	4		1	
H to I	3696	3696		11	2		3	
Total	26982	26932	50	47	29	1	13	1

NOTES:

1. ACCESS FOR EQUIPMENT IS DIFFICULT IN SOME PORTIONS OF FENCE LINE.
2. CONTRACTOR MAY NOT BEGIN WORK BEFORE MAY 20 AND MUST SUSPEND WORK ON SEPTEMBER 1.
3. THE CONTRACTOR IS REQUIRED TO NOTIFY AND COORDINATE ALL WORK WITH FWP PROJECT MANAGER.
4. SUBMITTALS ARE REQUIRED FOR ALL MATERIALS USED ON THE PROJECT
5. ALL EXTRANEIOUS WORK/COSTS TO COMPLETE THE WORK SHALL BE INCLUDED AND BE CONSIDERED TO FULL PAYMENT AS PER COST PROPOSAL.
6. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE FWP PROPERTY OR NEIGHBORS. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR TO SATISFACTION OF PROJECT MANAGER.
7. EQUIPMENT USED SHALL NOT LEAK FLUIDS. IT SHALL BE POWER WASHED BEFORE HAULING TO SITE AND EXAMINED BY PROJECT MANAGER
8. EQUIPMENT AND MATERIALS SHALL BE STAGED IN AREAS APPROVED BY THE PROJECT MANGER.
9. CONTRACTOR SHOULD ATTEMPT TO LIMIT ALL TRAVEL TO DESIGNATED ACCESS ROADS OR FENCE LINE.
10. UNLESS OTHERWISE NOTED, CONTRACTOR SHOULD INSTALL FENCE IN PREVIOUS FENCE LOCATION.
11. **FENCE SECTION A TO B INCLUDES REMOVAL OF SOME PORTIONS OF JACK LEG FENCE. A STANDARD FOUR WIRE BOUNDARY FENCE WILL BE INSTALLED IN THIS LOCATION.** REMOVAL OF JACK LEG FENCE PORTIONS WILL BE PAID UNDER REMOVE FENCE AT UNIT BID PRICE.

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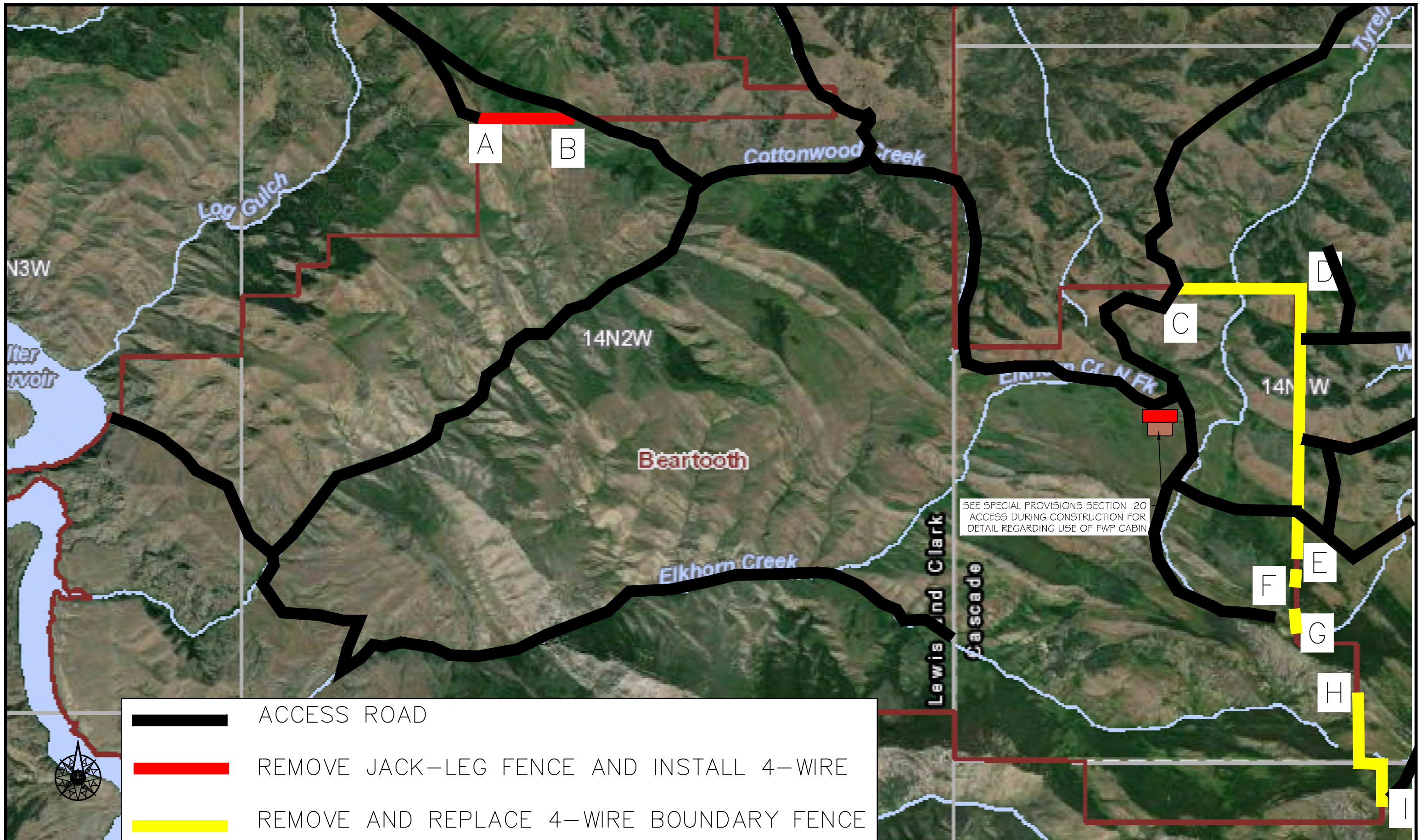
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**MONTANA FISH,
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SUMMARY
 BEARTOOTH WMA 2022 BOUNDARY FENCE

SHEET: 2 of 11



SEE SPECIAL PROVISIONS SECTION 20
ACCESS DURING CONSTRUCTION FOR
DETAIL REGARDING USE OF FWP CABIN

- ACCESS ROAD
- REMOVE JACK-LEG FENCE AND INSTALL 4-WIRE
- REMOVE AND REPLACE 4-WIRE BOUNDARY FENCE

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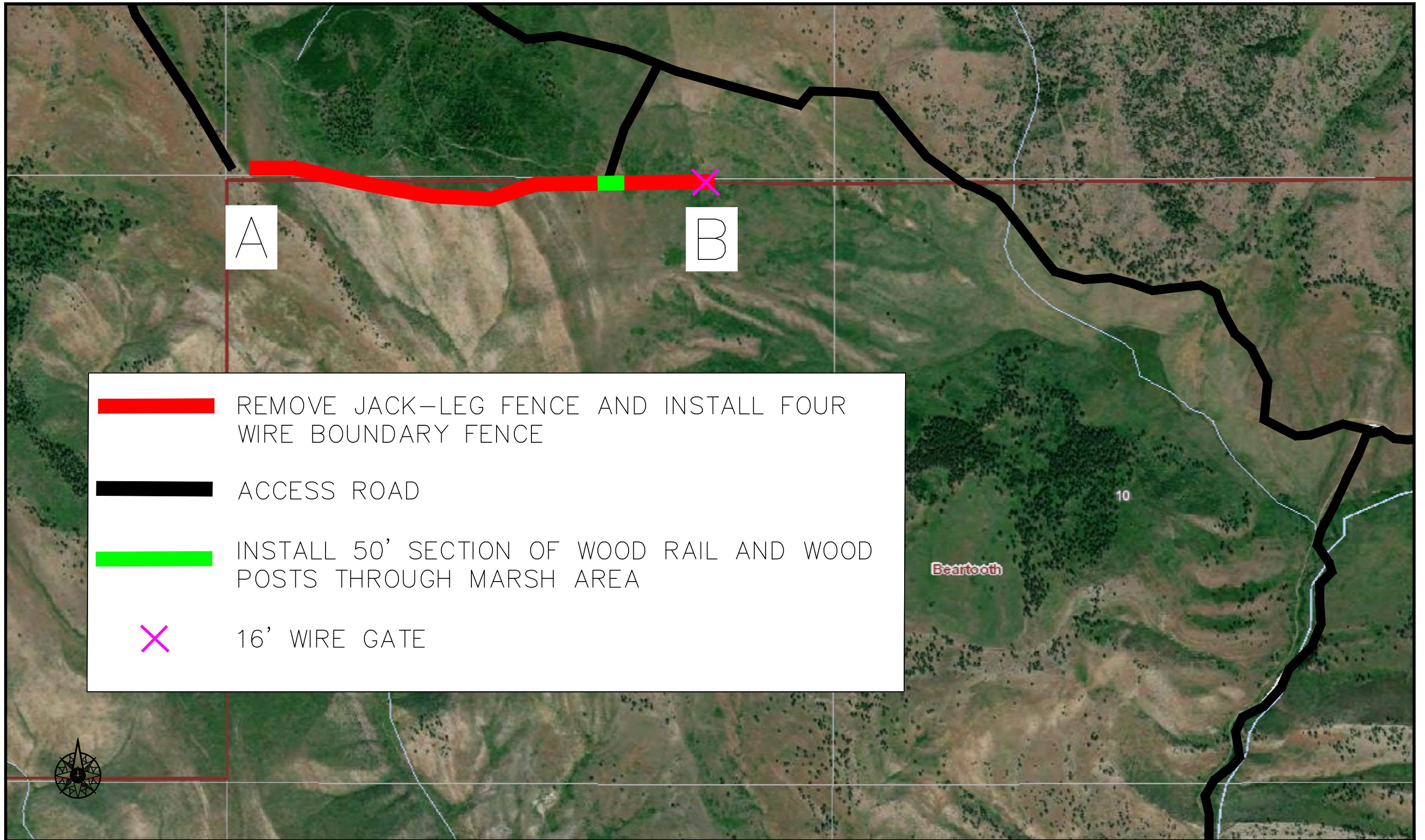
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FULL SITE PLAN
BEARTOOTH WMA 2022 BOUNDARY FENCE



	REMOVE JACK-LEG FENCE AND INSTALL FOUR WIRE BOUNDARY FENCE
	ACCESS ROAD
	INSTALL 50' SECTION OF WOOD RAIL AND WOOD POSTS THROUGH MARSH AREA
	16' WIRE GATE

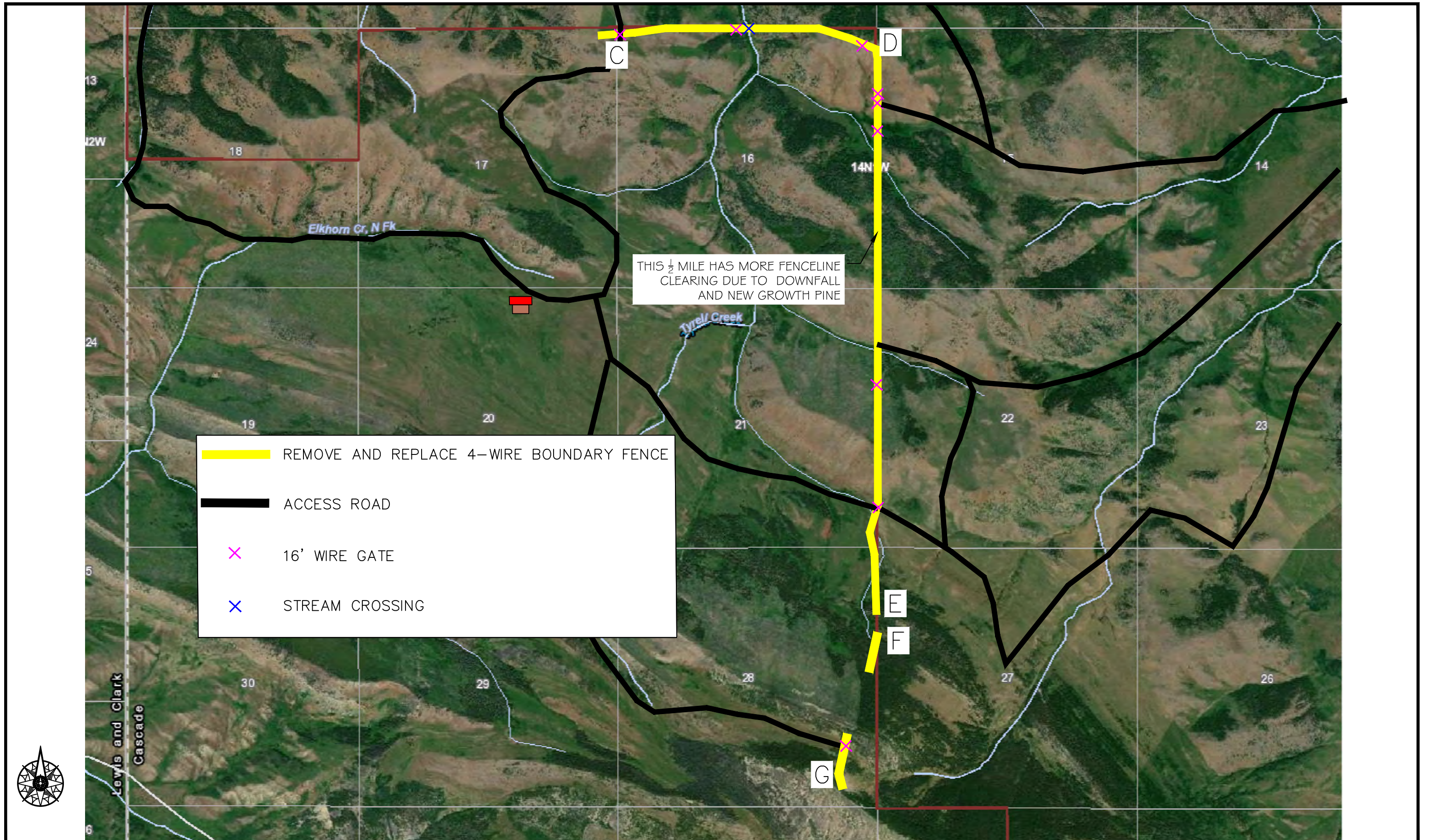
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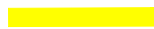



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NW SITE PLAN
BEARTOOTH WMA 2022 BOUNDARY FENCE



THIS 1/2 MILE HAS MORE FENCELINE CLEARING DUE TO DOWNFALL AND NEW GROWTH PINE

	REMOVE AND REPLACE 4-WIRE BOUNDARY FENCE
	ACCESS ROAD
	16' WIRE GATE
	STREAM CROSSING

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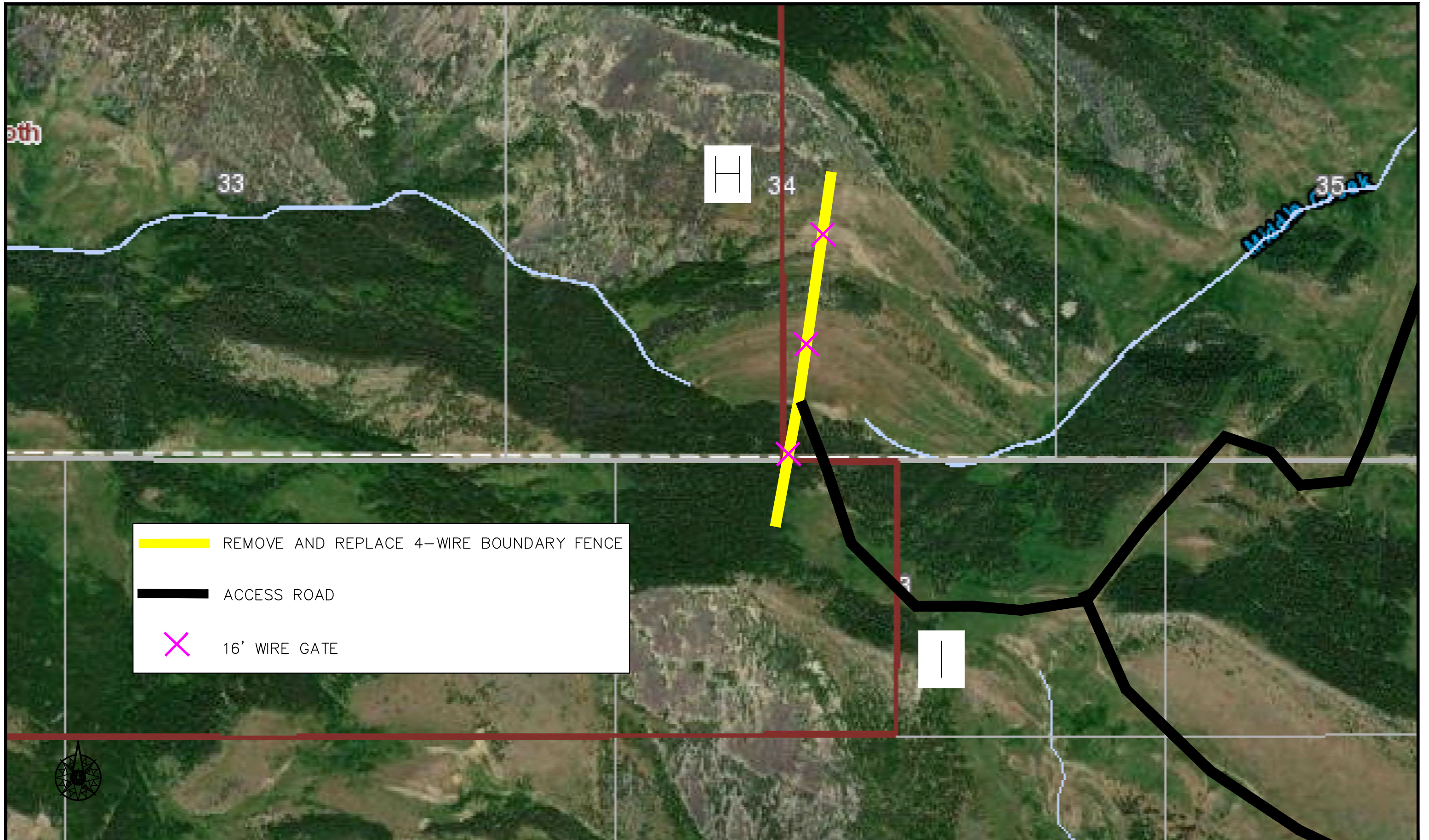
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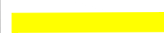


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EAST SITE PLAN - NORTHERN LEG
BEARTOOTH WMA 2022 BOUNDARY FENCE



	REMOVE AND REPLACE 4-WIRE BOUNDARY FENCE
	ACCESS ROAD
	16' WIRE GATE

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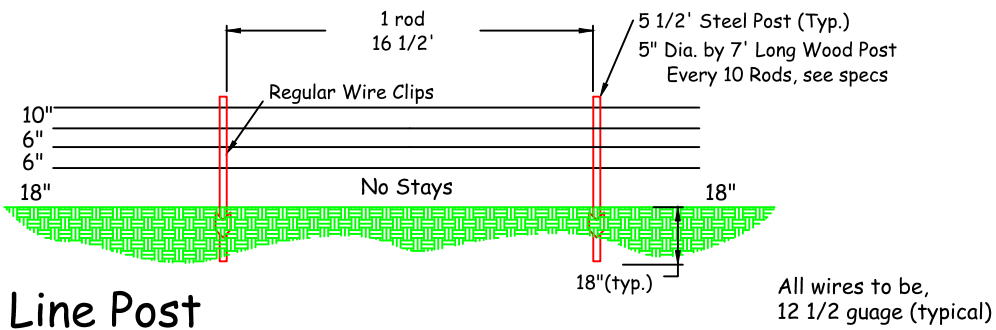
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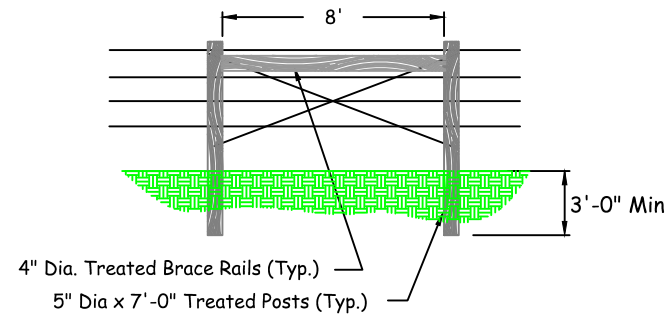
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EAST SITE PLAN - SOUTHERN LEG
BEARTOOTH WMA 2022 BOUNDARY FENCE

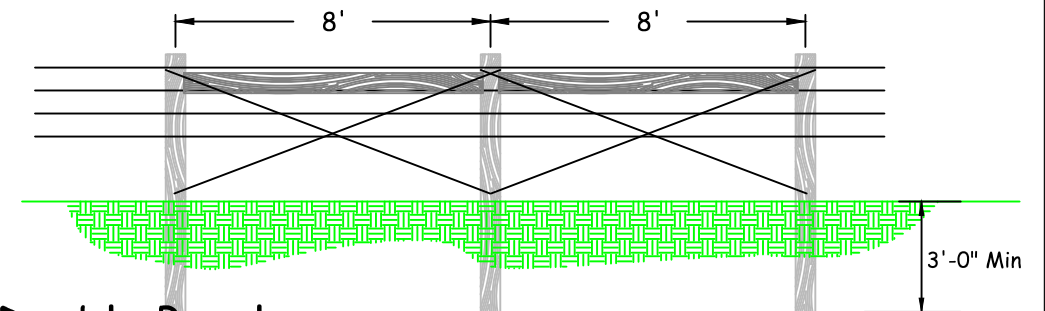
4-Wire Spacing Application
2 strand Barbed, Top and Bottom Smooth



Line Post

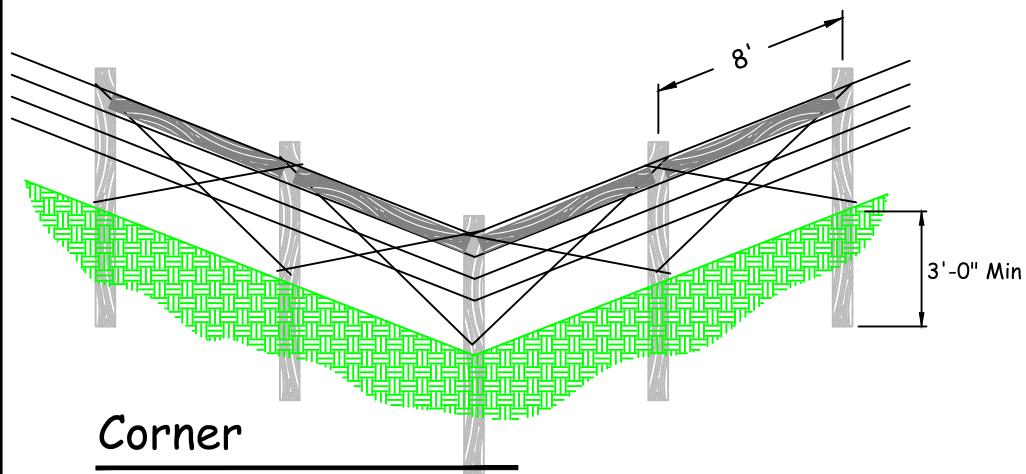


Single Panel

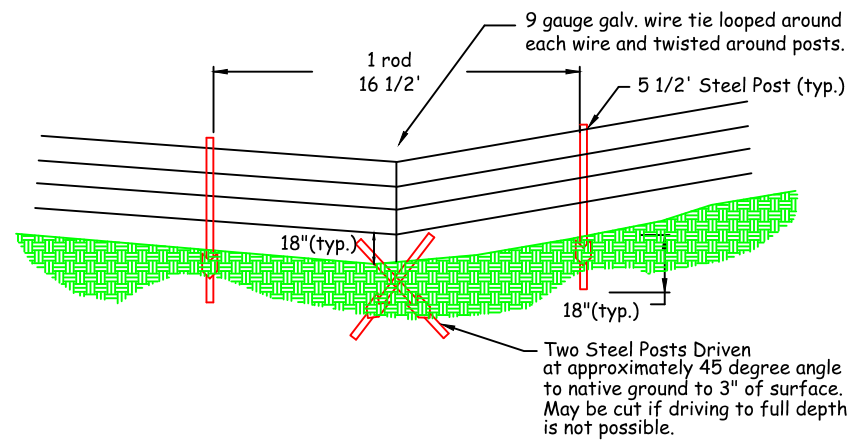


Double Panel

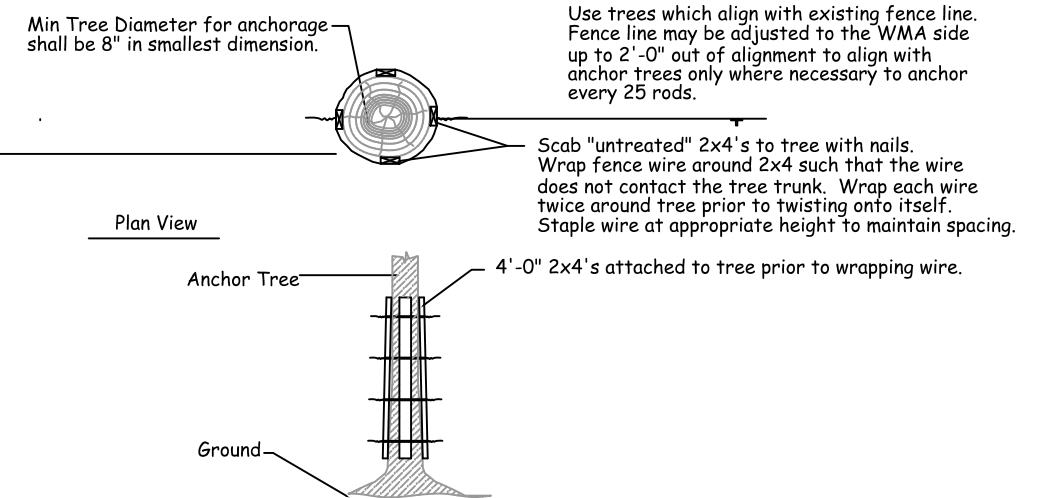
Wire spacing as shown in typical fence detail.



Corner



Typical Deadman Anchor Detail



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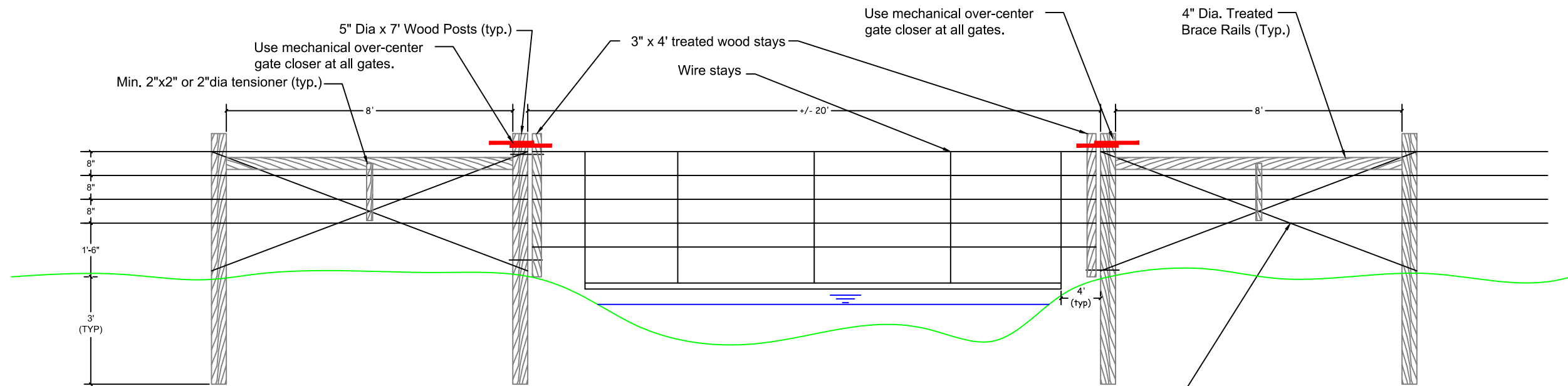
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**MONTANA FISH,
WILDLIFE & PARKS**

FOUR STRAND WIRE DETAILS
BEAR TOOTH WMA 2022 BOUNDARY FENCE

SHEET: 7 of 11

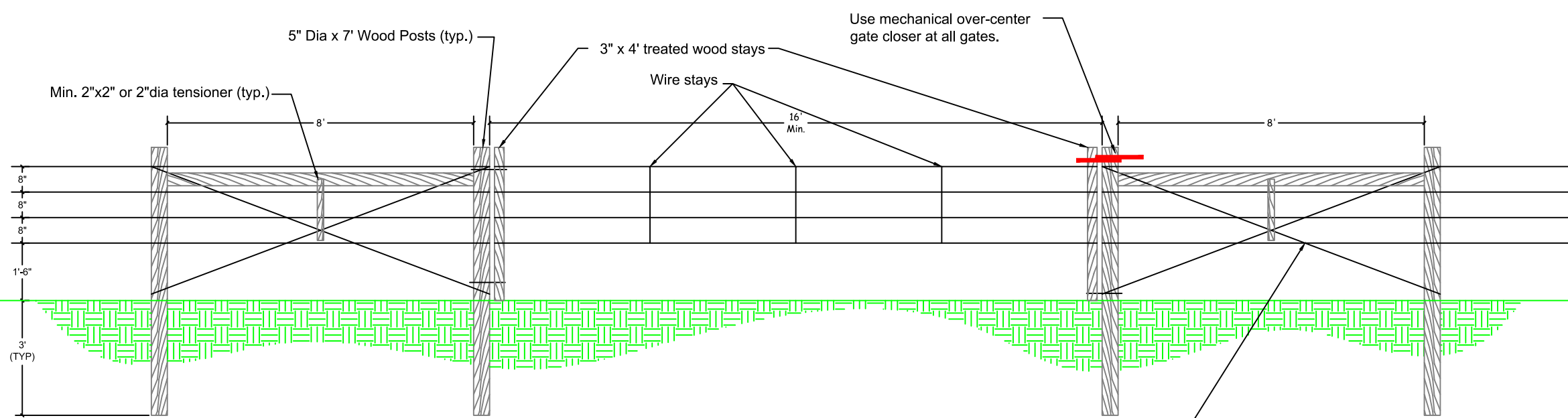


Notes:
 Extend stays to bottom wire attached to posts, creating a hinge point to pass debris
 Thread bottom wires of stream crossing through 1.5" PVC pipe between stays
 Bottom wire to be 1 ft above water elevation

Use 9 ga. brace wire each direction to form cross at brace panel as shown.

stream crossing

* All Wire to be Two-Strand Barbless Wire



Use 9 ga. brace wire each direction to form cross at brace panel as shown.

16' Gate Detail

* All Wire to be Two-Strand Barbless Wire

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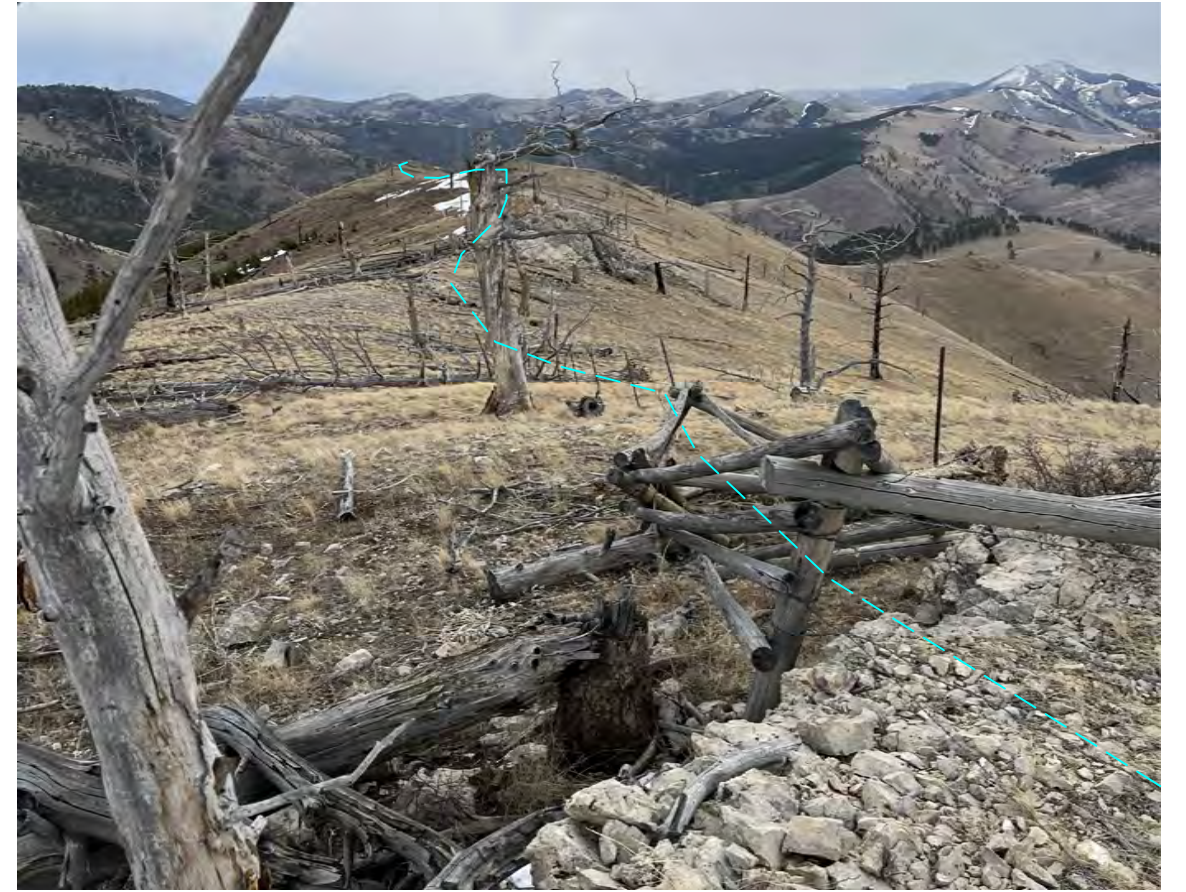


**MONTANA FISH,
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GATE AND STREAM CROSSING DETAILS
 BEAR TOOTH WMA 2022 BOUNDARY FENCE



TOP LEFT: FENCE SECTION A TO B, AT POINT A



TOP RIGHT: FENCE SECTION A TO B, ALONG THE UPPER RIDGE



BOTTOM LEFT: FENCE SECTION A TO B, WOOD RAIL LOCATION. LOOKING DOWN AT LOCATION B.



BOTTOM RIGHT: CABIN LOCATED IN COW CAMP AREA. CABIN IS AVAILABLE FOR CONTRACTOR'S USE

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**MONTANA FISH,
 WILDLIFE & PARKS**

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FENCELINE PHOTOS
 BEAR TOOTH WMA 2022 BOUNDARY FENCE

SHEET: 9 of 11



TOP LEFT: FENCE SECTION C TO D, AT TOP OF HILLSIDE.



TOP RIGHT: FENCE SECTION C TO D, THROUGH TYRELL CREEK DOTTED LINE SHOWS APPROXIMATE ROUTE OF FENCE.



BOTTOM LEFT: OVERALL VIEW OF FENCE SECTION D TO E AND F TO G. DOTTED LINES SHOW APPROXIMATE ROUTE.



BOTTOM RIGHT: FENCE SECTION D TO E. LOOKING NORTH AT SECTION 22 GATE.

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**MONTANA FISH,
 WILDLIFE & PARKS**

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FENCELINE PHOTOS
 BEAR TOOTH WMA 2022 BOUNDARY FENCE

SHEET: 10
 of 11



TOP LEFT: FENCE SECTION JUST NORTH OF E. LOOKING SOUTH TOWARDS SHELLROCK RIDGE. FENCE CONTINUES ON IN LOW SPOT BEFORE STOPPING AT BASE OF OPEN STEEP HILLSIDE.



TOP RIGHT: FENCE SECTION H TO I, ALONG THE UPPER RIDGE. FROM LOWER ACCESS ROADS.



BOTTOM LEFT: FENCE SECTION H TO I, LOOKING AT POINT H



BOTTOM RIGHT: FENCE SECTION H TO I, LOOKING AT POINT I IN TIMBER.

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**MONTANA FISH,
 WILDLIFE & PARKS**

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FENCELINE PHOTOS
 BEAR TOOTH WMA 2022 BOUNDARY FENCE

SHEET: 11
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