U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION ONE

CONSTRUCTION / MAINTENANCE PLANS FOR

CUSTER GALLATIN NATIONAL FOREST
ADMIN STOCK FACILITY FENCE IMPROVEMENTS

CUSTER GALLATIN NATIONAL FOREST
BEARTOOTH / GARDINER / YELLOWSTONE RANGER DISTRICTS
STILLWATER COUNTY / PARK COUNTY

SHEET INDEX

PROJECT: 'Number'
DATE: 'Date'

CONSTRUCTION PLANS

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SHEET 3	DEEP CREEK CONTINUOUS PANEL FENCE SITE PLAN
SHEET 4	HAYES McPHERSON FENCE SITE PLAN
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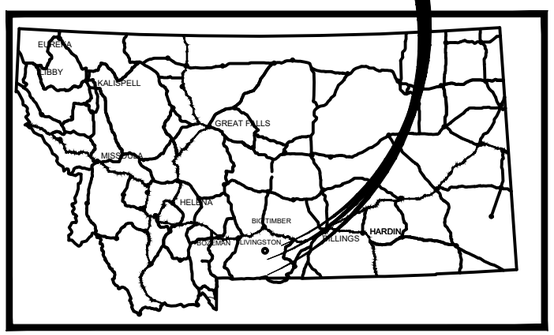
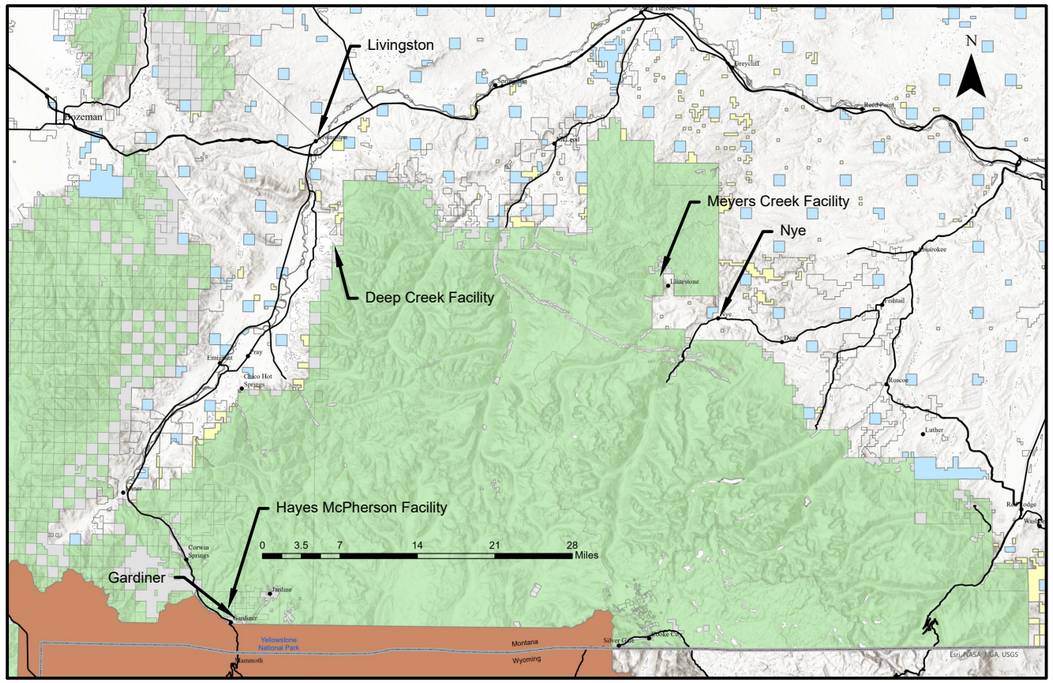
SHEET 11	MEYERS CREEK BARB WIRE FENCE METAL GATE DETAILS
SHEET 12	MEYERS CREEK BARB WIRE FENCE WIRE GATE DETAILS

PROJECT LOCATIONS



MONTANA INDEX MAP
NOT TO SCALE



AREA MAP
NOT TO SCALE

RECOMMENDED BY:

DISTRICT RANGER
GARDINER RANGER DISTRICT

RECOMMENDED BY:

DISTRICT RANGER
BEARTOOTH RANGER DISTRICT

RECOMMENDED BY:

DISTRICT RANGER
YELLOWSTONE RANGER DISTRICT

APPROVED BY:

FOREST ENGINEER
CUSTER GALLATIN NATIONAL FOREST

APPROVED BY:

FOREST SUPERVISOR
CUSTER GALLATIN NATIONAL FOREST

NO.	REVISION DESCRIPTION	BY	DATE
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3			
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6			

SET NO.

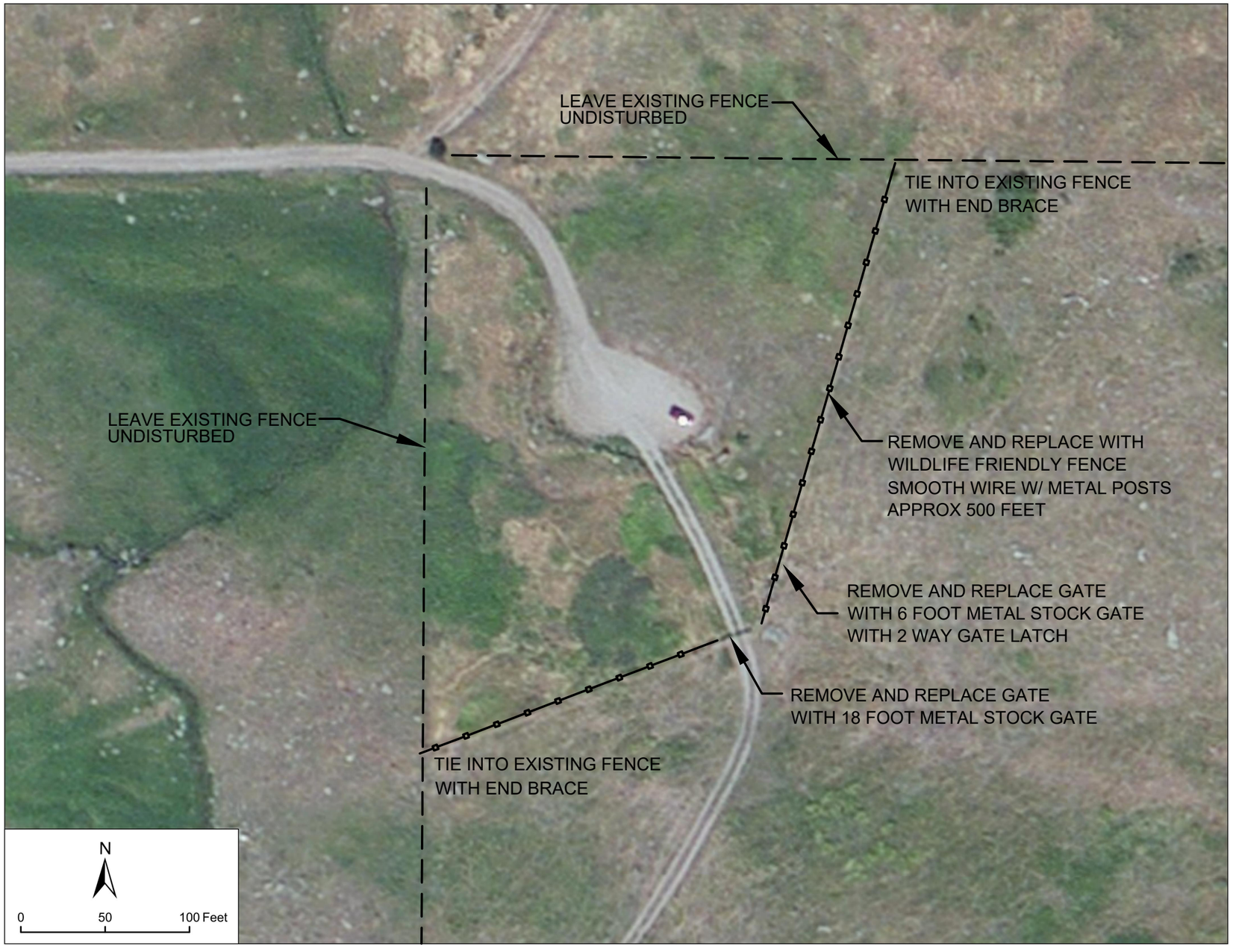
SHEET NO. 1

C:\Users\AdamDeutsch\Box\01. adam.deutsch Workspace\Project Folders\25 Stock Program\Stock Facility Fence\DWG\StockAdminSite Fence.dwg

LEGEND

REMOVE AND REPLACE WITH WILDLIFE FRIENDLY FENCE SMOOTH WIRE WITH METAL T-POSTS WOOD POST BRACES

EXISTING FENCE WEST AND NORTH BOUNDARY LEAVE UNDISTURBED



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United States Department of Agriculture
Forest Service

01
NORTHERN REGION

'Project Name'
CUSTER GALLATIN NATIONAL FOREST
ADMIN STOCK FACILITY ROAD MAINTENANCE
CUSTER GALLATIN NATIONAL FOREST
BEARTOOTH/YELLOWSTONE RANGER DISTRICT

DRAWING TITLE
DEEP CREEK TRAILHEAD FENCE SITE PLAN

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
10 DEC 2024	ARD	SLA	C-1	2 OF 12

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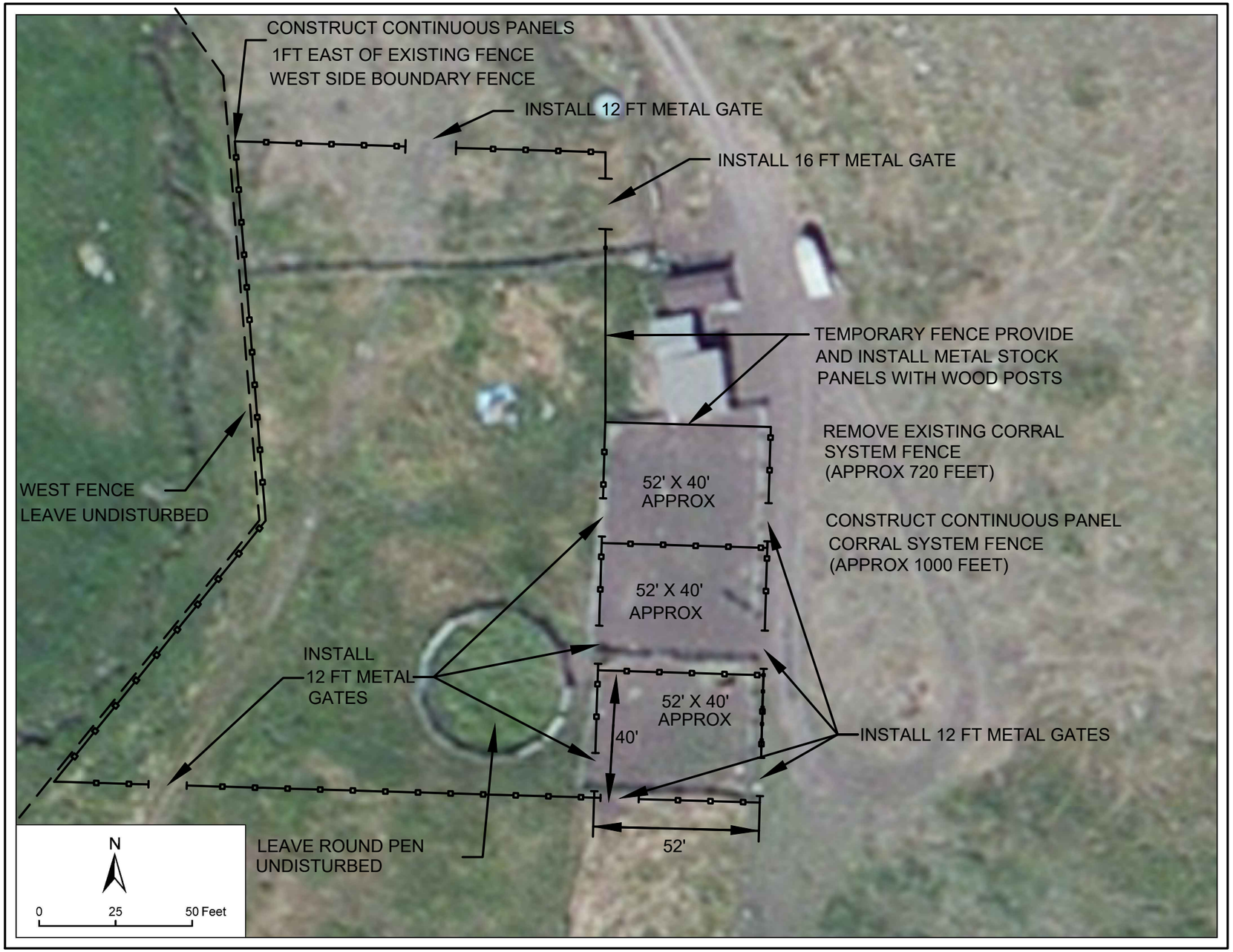
LEGEND

REMOVE AND REPLACE WITH CONTINUOUS RAIL PANELS w/ STEEL PIPE POSTS

TEMPORARY FENCE PROVIDE 12 FOOT PANELS WITH 6" DIA X 8' WOOD POSTS

EXISTING FENCE WEST BOUNDARY LEAVE UNDISTURBED



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ADMIN STOCK FACILITY ROAD MAINTENANCE
CUSTER GALLATIN NATIONAL FOREST
BEARTOOTH/YELLOWSTONE RANGER DISTRICT

DRAWING TITLE
DEEP CREEK CONTINUOUS PANEL FENCE SITE PLAN

DATE	DESIGNER	CHECKED
10 DEC 2024	ARD	SLA

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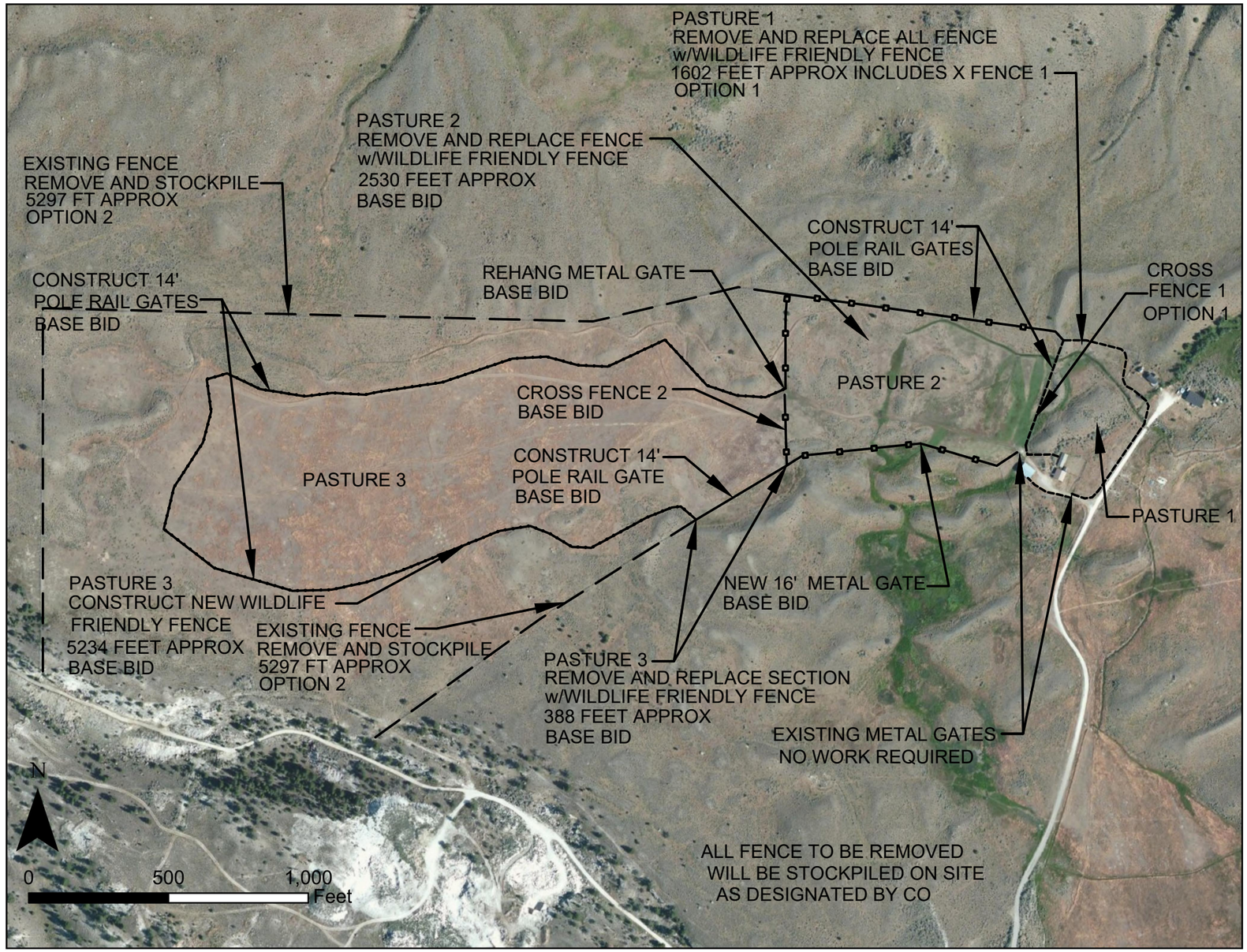
DWG SHEET NO. C-2

SHEET 3 OF 12



LEGEND

- REMOVE AND REPLACE WITH WILDLIFE FRIENDLY FENCE PASTURE 2
- CONSTRUCT NEW WILDLIFE FRIENDLY FENCE PASTURE 3
- REMOVE AND REPLACE WITH WILDLIFE FRIENDLY FENCE PASTURE 1 OPTION 1
- EXISTING FENCE REMOVE AND STOCKPILE DESIGNATED AREAS OF PASTURE 3 OPTION 2

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DRAWING TITLE
HAYES McPHERSON FENCE
SITE PLAN

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END OF MAIN RUN NORTH PASTURE
REMOVE AND REPLACE FENCE WITH WILDLIFE FRIENDLY BARB WIRE AND WOOD LINE POSTS
BASE BID

NORTH PASTURE INTERMITTENT FENCE ALONG EDGE OF TERRAIN FEATURE APPROXIMATE LOCATIONS
REMOVE AND REPLACE EXISTING FENCE WITH WILDLIFE FRIENDLY BARB WIRE AND METAL LINE T-POSTS
BASE BID
(5 LOCATIONS, APPROX 260 FEET TOTAL)

NORTH PASTURE REMAINING FENCE
REMOVE AND REPLACE FENCE WITH WILDLIFE FRIENDLY BARB WIRE AND WOOD LINE POSTS
BASE BID
(APPROX 520 FEET)

REPLACE WIRE GATE WITH 12' METAL GATE
OPTION 1

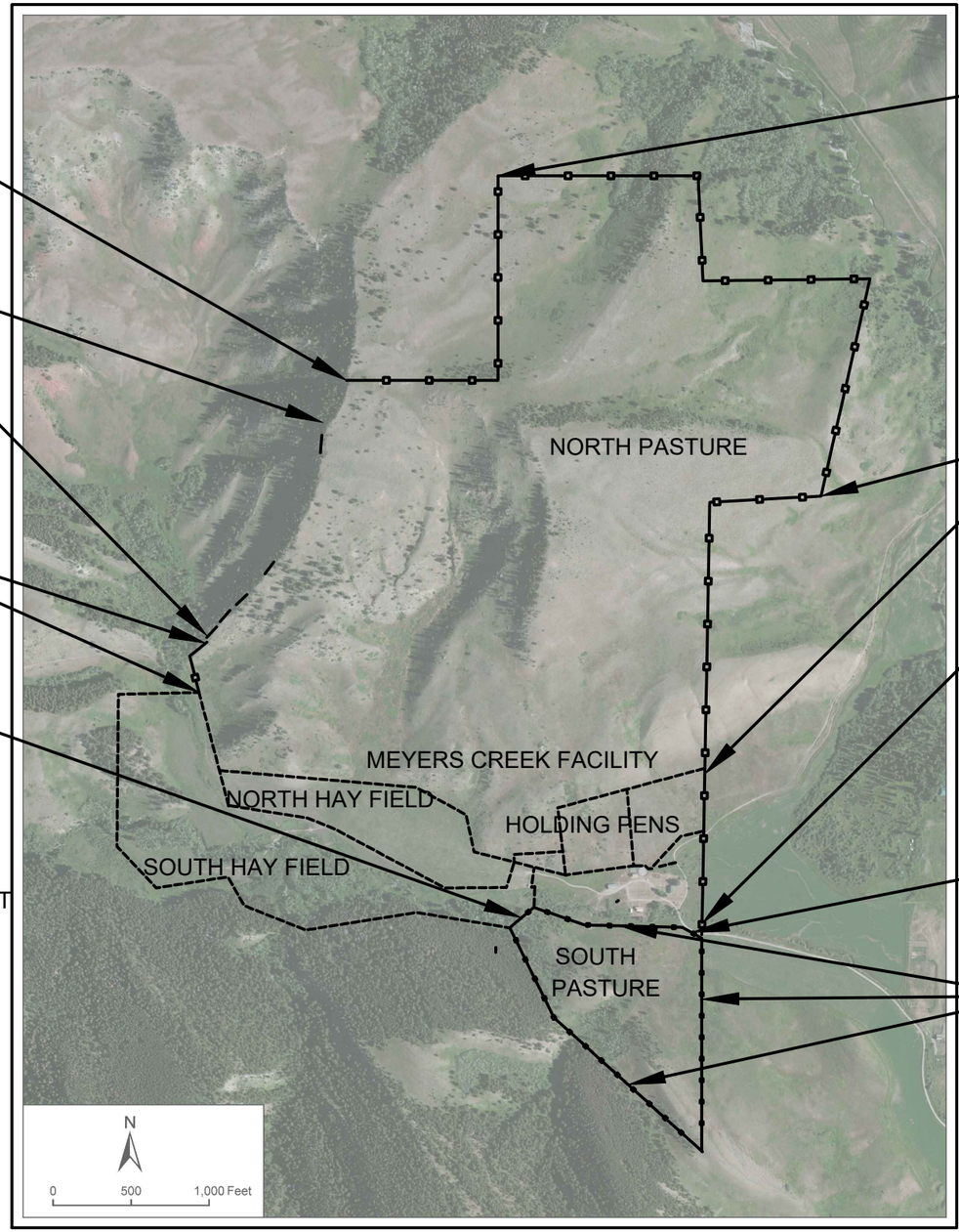
LEGEND

NORTH SOUTH HAYFIELD NO WORK THIS CONTRACT

HOLDING PENS NO WORK THIS CONTRACT

NORTH PASTURE
REMOVE AND REPLACE FENCE WITH WILDLIFE FRIENDLY BARB WIRE FENCE AND WOOD LINE POSTS, METAL CORNER BRACE POSTS BASE BID

SOUTH PASTURE
REMOVE AND REPLACE FENCE WITH WILDLIFE FRIENDLY BARB WIRE FENCE AND WOOD LINE POSTS, METAL CORNER BRACE POSTS OPTION 1



REMOVE WIRE GATE
BASE BID

REPLACE WIRE GATE WITH NEW WIRE GATE
BASE BID

START OF MAIN RUN NORTH PASTURE
REMOVE AND REPLACE FENCE WITH WILDLIFE FRIENDLY BARB WIRE AND WOOD LINE POSTS
BASE BID
(APPROX 10240 FEET FOR MAIN RUN)

REPLACE WIRE GATE WITH NEW WIRE GATE
OPTION 1

SOUTH PASTURE
REMOVE AND REPLACE FENCE WITH WILDLIFE FRIENDLY BARB WIRE AND WOOD LINE POSTS
OPTION 1
(APPROX 4600 FEET)

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ADMIN STOCK FACILITY ROAD MAINTENANCE
CUSTER GALLATIN NATIONAL FOREST
BEARTOOTH/YELLOWSTONE RANGER DISTRICT

DRAWING TITLE
MEYERS CREEK FENCE SITE PLAN

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
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CGNF ADMIN STOCK FACILITY FENCE ESTIMATED QUANTITIES			
ITEM NUMBER	DESCRIPTION	PAY UNIT	QUANTITY
100	**Mobilization**	LS	XXXXX
	Deep Creek Trailhead		
311*	Remove and Dispose of Existing Trailhead Fence	LF	500
312*	Construct Fence Deep Creek Trailhead, Wildlife Friendly 3 Strands of Double Strand Barbless Wire with Metal T-Posts	LF	478
313	Provide and Install Metal Stock Gate, 18 ft	EACH	1
314	Provide and Install Metal Stock Gate, 6 ft with 2 way gate latch	EACH	1
	Deep Creek Admin Stock Facility		
315*	Remove and Dispose of Existing Stock Facility Corral System	LF	720
316*	Construct Stock Facility Continuous Panel Fence	LF	1000
317*	Provide and Install Temporary Fence 12 ft panels With Wood Posts	LF	120
318	Provide and Install Metal Stock Gate, 16 ft	EACH	1
319	Provide and Install Metal Stock Gate, 12 ft	EACH	9
	Hayes McPherson Admin Stock Facility		
321*	Remove and Stockpile Existing Fence Pasture 2 and partial Pasture 3	LF	2918
322*	Construct Fence Pasture 2 and Pasture 3, Wildlife Friendly 1 Half Round Top Rail and 2 Strands of Double Strand Barbless Wire with Wood Posts	LF	7764
323	Construct Wood Pole Rail Gates Pasture 2 and Pasture 3	EACH	5
324	Provide and Install Metal Stock Gate 16 ft Pasture 2	EACH	1
325	Rehang Metal Stock Gate Pasture 2	EACH	1
	Meyers Creek Admin Stock Facility		
331*	Remove and Dispose of Existing Fence North Pasture	LF	11017
332*	Construct Fence North Pasture, Wildlife Friendly 4 Strands Barb Wire with Wood Posts	LF	10993
333	Install Wire Gate North Pasture	EACH	2

* ITEMS TO BE MEASURED AS CONTRACT QUANTITY (CQ) - REFER TO BID SCHEDULE
** INFORMATIONAL ONLY - NOT FOR BIDDING PURPOSES - REFER TO BID SCHEDULE

OPTIONAL ITEMS			
ITEM NUMBER	DESCRIPTION	PAY UNIT	QUANTITY
	Hayes McPherson Admin Stock Facility Optional Item #1		
326*	Remove and Stockpile Existing Fence Pasture 1	LF	1602
327*	Construct Fence Pasture, 1 Wildlife Friendly 1 Half Round Top Rail and 2 Strands of Double Strand Barbless Wire with Wood Posts	LF	1602
	Hayes McPherson Admin Stock Facility Optional Item #2		
328*	Remove and Stockpile Existing Fence Pasture 3	LF	5297
	Meyers Creek Admin Stock Facility Optional Item #3		
334*	Remove and Dispose of Existing Fence South Pasture	LF	4604
335*	Construct Fence South Pasture, Wildlife Friendly 4 Strands Barb Wire with Wood Posts	LF	4580
336	Provide and Install Metal Stock Gate, 12 Ft, South Pasture	EACH	1
337	Install Wire Gate South Pasture	EACH	1
	Meyers Creek Admin Stock Facility Optional Item #4		
338	Utilize Steel Corner Posts and Braces in place of Wood Corner Posts and Braces, North Pasture (Approx 10 Corner Braces)	EACH	10

GENERAL NOTES
SPECIFICATIONS:

CONSTRUCTION: MATERIALS AND EXECUTION OF THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS INCLUDED IN THIS CONTRACT PACKAGE.

STAKING: THE GOVERNMENT WILL STAKE REQUIRED CONTRACT ITEMS FOR PASTURE 3 AT THE HAYES McPHERSON FACILITY AND CORRAL SYSTEM AT THE DEEP CREEK FACILITY, ALL OTHER FENCE AT THESE LOCATIONS AND FENCE AT OTHER FACILITIES WILL BE INSTALLED IN THE EXISTING FENCE LOCATION AFTER ITS REMOVAL.. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT AND REESTABLISH ALL CONSTRUCTION STAKING DURING THE PROJECT.

HOLES IN THE GROUND LEFT FROM FENCE REMOVAL SHALL BE FILLED IN AND COMPACTED TO PREVENT SETTLEMENT.

ALL POSTS, POLES/RAILS, WOOD STAYS SHALL BE PRESSURE TREATED. ANY CUTS MADE IN WOOD POSTS, POST/RAILS ETC. SHALL BE FIELD TREATED WITH COPPER NAPHTHENATE SOLUTION.

ALL BARBED AND BARBLESS WIRE FOR WIRE FENCE TO BE 12 1/2 GAUGE RED BRAND WIRE OR APPROVED EQUAL.

T-POSTS WILL BE 1.33 LBS/FT, FACTORY PAINTED, WITH ANCHOR PLATE.

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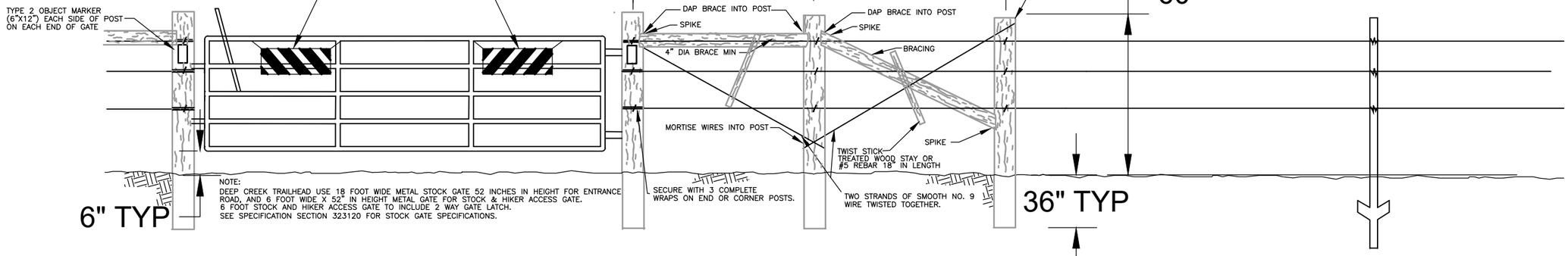
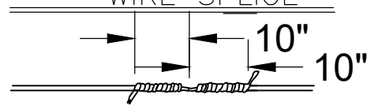
METAL STOCK GATE



STANDARD BRACE PANEL

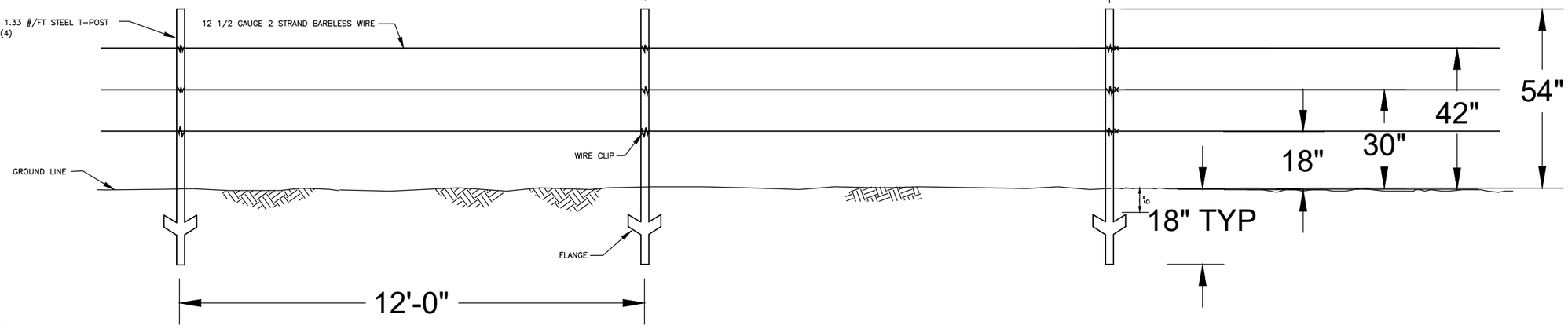
FOR EACH END OF GATE AND CORNERS

WIRE SPLICE



MIN. 6 TIGHT WRAPS

SMOOTH WIRE FENCE



NOTES:

(1) STANDARD METAL STOCK GATE FOR FACILITY ENTRANCE ROAD LOCATED AT TRAILHEAD LOCATION WILL BE 18 FEET IN WIDTH, AND 52 INCHES IN HEIGHT. SEE SECTION 323120 STOCK GATE IN THE PROJECT SPECIFICATIONS.

(2) STANDARD METAL STOCK GATE FOR TRAILHEAD STOCK AND HIKER ACCESS WILL BE 6 FEET IN WIDTH, AND 52 INCHES IN HEIGHT, AND WILL BE EQUIPPED WITH A 2 WAY GATE LATCH SYSTEM. SEE SECTION 323120 STOCK GATE IN THE PROJECT SPECIFICATIONS.

(3) ALL BRACE, CORNER, AND GATE POSTS SHALL BE PRESSURE TREATED 6"–7" DIAMETER X 8' POSTS SET AT 36" DEPTH.

(4) STEEL POSTS SHALL BE 6 FEET LONG T–POSTS CONFORMING TO AAHSTO M 281, 1.33 POUNDS PER FOOT MINIMUM, FACTORY PAINTED, WITH ANCHOR PLATE SET AT 18" DEPTH.

(5) BRACE PANELS WILL BE USED ON BOTH SIDES OF ALL GATES, ALL FENCE CORNERS.

(6) LIMIT FENCE RUNS TO 650 FEET BETWEEN ADJACENT CORNER BRACES, GATE BRACES, END BRACES, OR LINE BRACES.

*DRAWINGS NOT TO SCALE

(7) SMOOTH WIRE FOR GATE CLOSURE AND BRACE PANEL TENSION WIRE TO BE 9 GAUGE ZINC–COATED WIRE.

(8) SMOOTH WIRE FOR FENCE TO BE 12 1/2 GAUGE, TWO STRAND BARBLESS WIRE, RED BRAND OR APPROVED EQUAL.

(9) ALL WIRE TO BE STRETCHED AND TENSIONED TO INDUSTRY STANDARD FOR FENCE CONSTRUCTION. SEE SECTION 323160 BARBED AND BARBLESS WIRE FENCE IN THE PROJECT SPECIFICATIONS.

(10) ALL FIELD CUTS ON POSTS, BRACES AND POSTS SHALL BE TREATED WITH COPPER NAPTHENATE SOLUTION.

(11) TYPE 3 OBJECT MARKERS SHALL BE CONSTRUCTED ON A FIBERGLASS SUBSTRATE AND SHALL BE RED AND WHITE, DOUBLE SIDED, REFLECTORIZED, AND SECURED TO THE GATE AS SHOWN WITH GALVANIZED SMOOTH WIRE.

(12) ALL SIGNS AND OBJECT MARKERS REQUIRED ARE INCIDENTAL TO GATE CONSTRUCTION.

(13) ALL SIGNS AND OBJECT MARKERS SHALL MEET THE REQUIREMENTS OF THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

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'Project Name'
CUSTER GALLATIN NATIONAL FOREST
ADMIN STOCK FACILITY ROAD MAINTENANCE
CUSTER GALLATIN NATIONAL FOREST
BEARTOOTH/YELLOWSTONE RANGER DISTRICT

DRAWING TITLE
DEEP CREEK TRAILHEAD
FENCE DETAILS

DATE	DESIGNER	CHECKED
10 DEC 2024	ARD	SLA

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SHEET
7
OF
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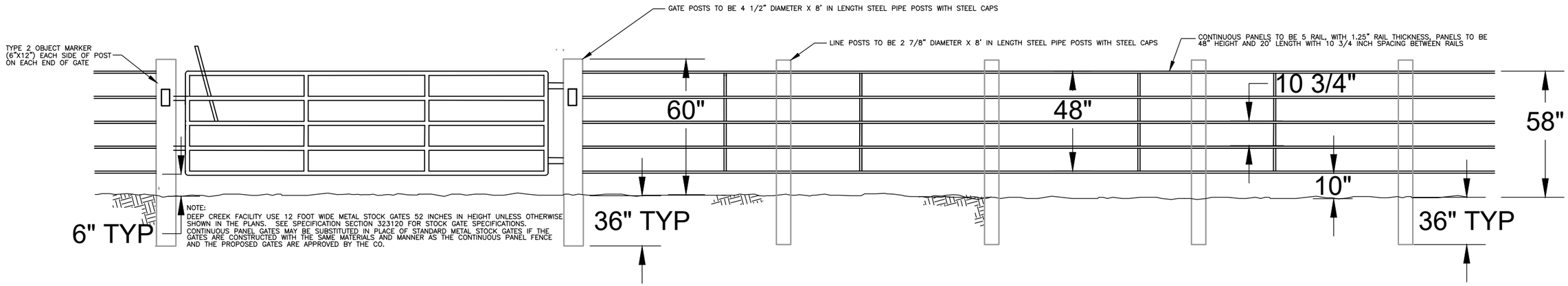
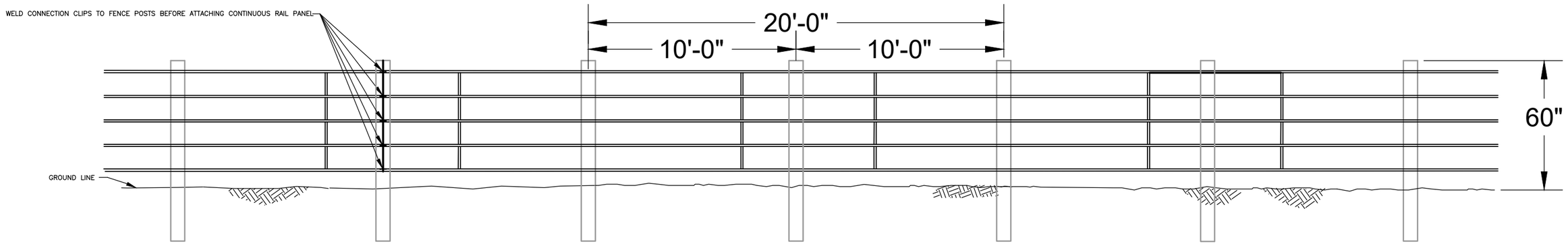
METAL STOCK GATE CONTINUOUS PANEL FENCE





NOTES:

(1) STANDARD METAL STOCK GATES FOR CORRAL SYSTEM TO BE 12 FEET IN WIDTH AND 52 INCHES IN HEIGHT, UNLESS DESIGNATED. OTHERWISE IN THE PLANS, SEE SECTION 323120 STOCK GATE IN THE PROJECT SPECIFICATIONS.

(2) GATES THAT ARE CONSTRUCTED WITH THE SAME MATERIALS AND MANNER AS THE CONTINUOUS PANELS MAY BE USED IN PLACE OF STANDARD METAL STOCK GATES IF APPROVED BY THE CO. SEE SECTION 323151 CONTINUOUS PANEL FENCE IN THE PROJECT SPECIFICATIONS.

(3) CONTINUOUS PANELS SHALL BE 5 RAIL WITH 1.25" THICKNESS, CONTINUOUS PANELS TO BE 48" HEIGHT X 20' LENGTH, WITH 10 3/4" SPACING BETWEEN RAILS.. SEE SECTION 323151 CONTINUOUS PANEL FENCE IN THE PROJECT SPECIFICATIONS.

(4) GATE POSTS SHALL BE 4 1/2" DIAMETER X 8' STEEL PIPE POSTS SET AT 36" DEPTH.

(5) LINE POSTS SHALL BE 2 7/8" DIAMETER X 8' STEEL PIPE POSTS SET AT 36" DEPTH, AT NO MORE THAN 10 FEET SPACED INTERVAL.

(6) WELD PANEL CONNECTION CLIPS TO STEEL PIPE POSTS PRIOR TO CONNECTING PANEL TO POST. WELD STEEL POST CAPS ONTO POSTS AFTER POSTS ARE SET OR POSTS ARE POUNDED TO PROPER DEPTH.

(7) MAXIMIZE 20 FOOT CONTINUOUS PANELS LENGTHS TO LIMIT THE NUMBER OF CUSTOM LENGTH PANELS REQUIRED.

(8) POSTS SHALL BE SOLID AND PLUMB. ANY LOOSE POSTS SHALL BE REMOVED AND REINSTALLED..

(9) ALL SIGNS AND OBJECT MARKERS REQUIRED ARE INCIDENTAL TO GATE CONSTRUCTION.

(10) ALL SIGNS AND OBJECT MARKERS SHALL MEET THE REQUIREMENTS OF THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

*DRAWINGS NOT TO SCALE

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ADMIN STOCK FACILITY ROAD MAINTENANCE
CUSTER GALLATIN NATIONAL FOREST
BEARTOOTH/YELLOWSTONE RANGER DISTRICT

DRAWING TITLE
DEEP CREEK CONTINUOUS PANEL FENCE DETAILS

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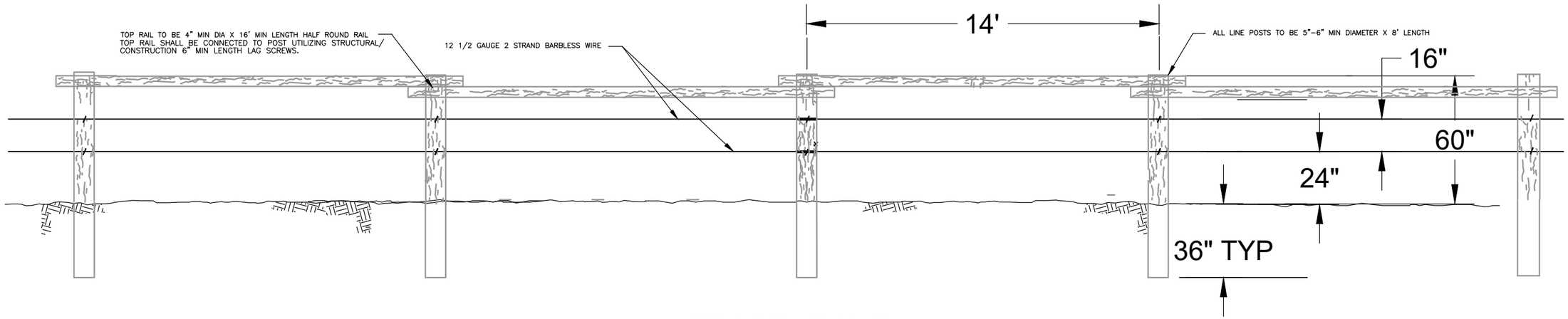
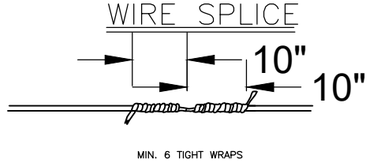
SPLIT TOP RAIL & BARBLESS WIRE FENCE

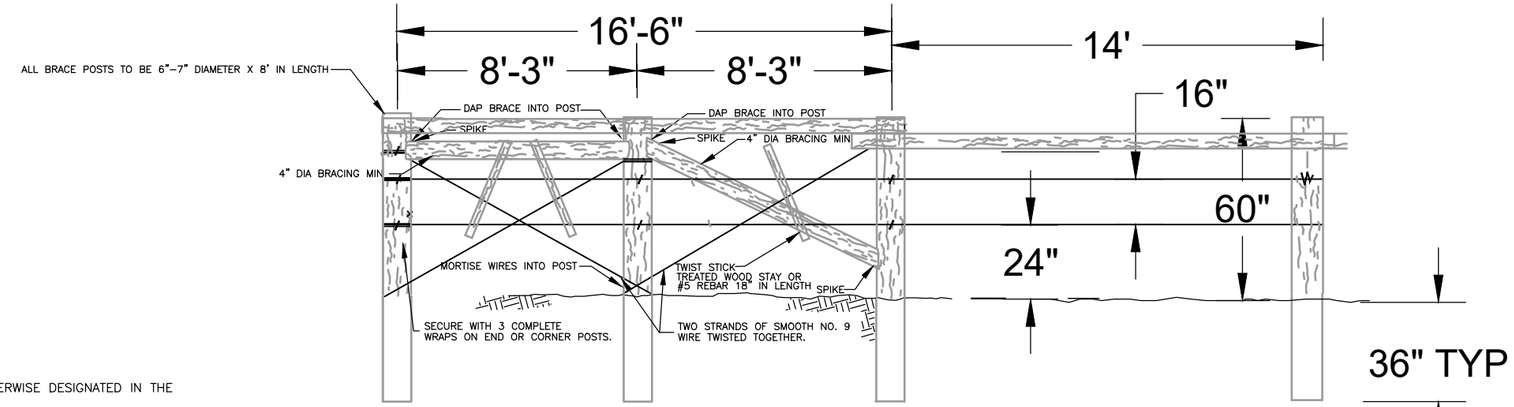


BRACE PANEL

WIRE SPLICE



USE FOR EACH END OF GATE AND FENCE CORNERS



NOTES:

(1) STANDARD GATE WILL BE 14' WIDE (OPENING) UNLESS OTHERWISE DESIGNATED IN THE PLANS OR SPECIFICATIONS.

(2) ALL BRACE, CORNER, AND GATE POSTS SHALL BE PRESSURE TREATED 6"–7" DIAMETER X 8' POSTS SET AT 36" DEPTH.

(3) LINE POSTS SHALL BE PRESSURE TREATED 5"–6" MIN DIAMETER X 8' POSTS SET AT 36" DEPTH.

(4) BRACE PANELS WILL BE USED ON BOTH SIDES OF ALL GATES, ALL FENCE CORNERS.

(5) LIMIT FENCE RUNS TO 650 FEET BETWEEN ADJACENT CORNER BRACES, GATE BRACES, END BRACES, OR LINE BRACES.

(6) TOP RAIL SHALL BE PRESSURE TREATED 4" END DIAMETER MINIMUM AND 16 FEET LENGTH MINIMUM, HALF ROUND RAILS, TOP RAILS TO BE OVERLAPPED AND CONNECTED TO POSTS USING STRUCTURAL/CONSTRUCTION 6" LAG SCREWS. SEE SECTION 323150 POST AND POLE WITH BARBLESS WIRE FENCE IN THE PROJECT SPECIFICATIONS.

(7) WOOD RAILS FOR GATES SHALL BE PRESSURE TREATED 4" END DIAMETER MINIMUM AND 16 FEET LENGTH MINIMUM FULL ROUND RAILS.

*DRAWINGS NOT TO SCALE

(8) SMOOTH WIRE FOR GATE CLOSURE AND BRACE PANEL TENSION WIRE TO BE 9 GAUGE ZINC–COATED WIRE.

(9) FENCE RUN WIRE TO BE 12 1/2 GAUGE, TWO STRAND BARBLESS WIRE, RED BRAND OR APPROVED EQUAL.

(10) ALL WIRE TO BE STRETCHED AND TENSIONED TO INDUSTRY STANDARD FOR FENCE CONSTRUCTION.

(11) ALL FIELD CUTS ON POSTS, BRACES AND POSTS SHALL BE TREATED WITH COPPER NAPTHENATE SOLUTION.

United States Department of Agriculture Forest Service	01 NORTHERN REGION	'Project Name' CUSTER GALLATIN NATIONAL FOREST ADMIN STOCK FACILITY ROAD MAINTENANCE CUSTER GALLATIN NATIONAL FOREST BEARTOOTH/YELLOWSTONE RANGER DISTRICT	DRAWING TITLE HAYES McPHERSON FENCE DETAILS	DATE 10 DEC 2024 / DESIGNER ARD / CHECKED SLA	DWG SHEET NO. D-3 / SHEET 9 OF 12

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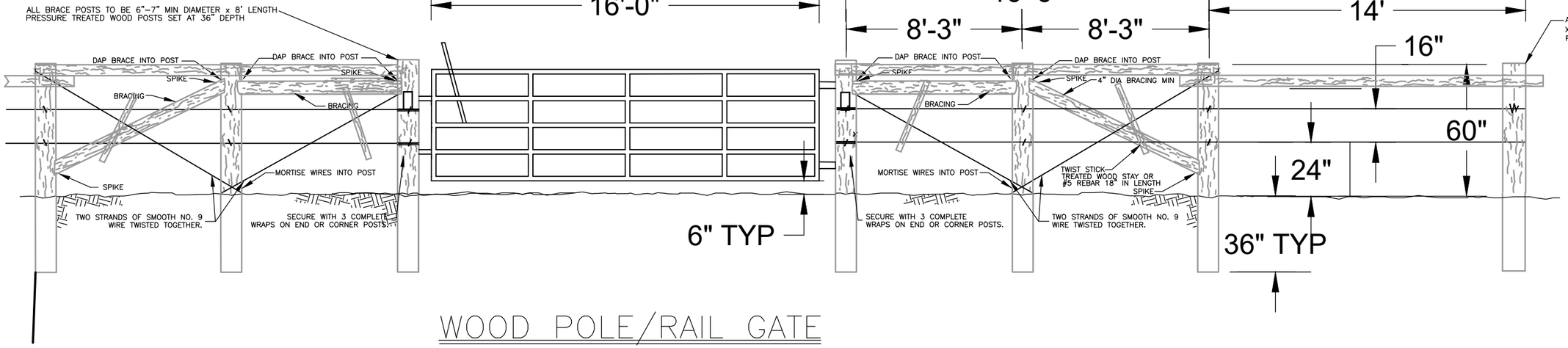
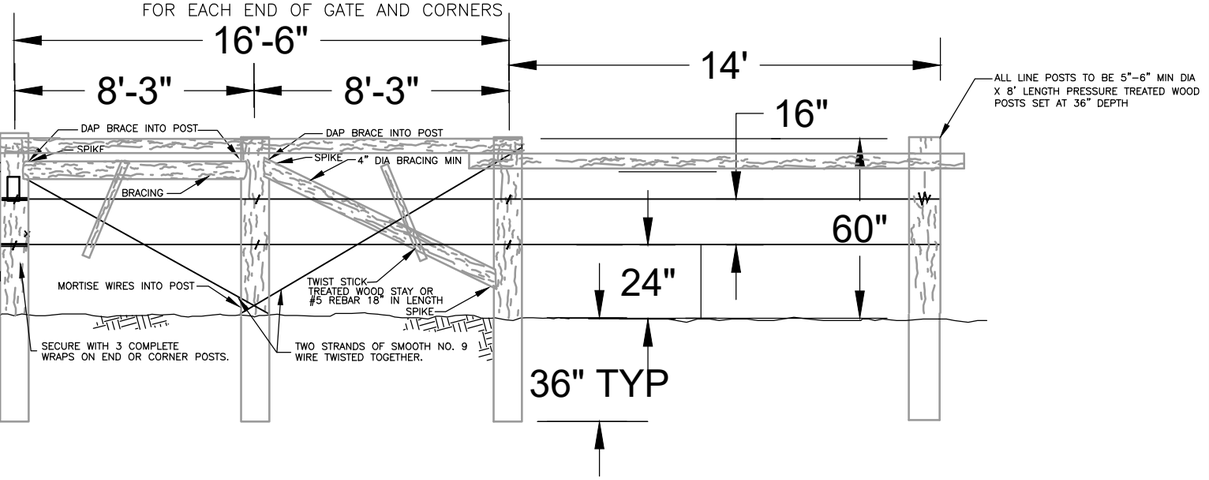
HALF ROUND RAILS.
(5) WIRE USED FOR BRACE PANEL TENSION WIRE WILL BE SMOOTH NO 9 WIRE.

16' METAL GATE

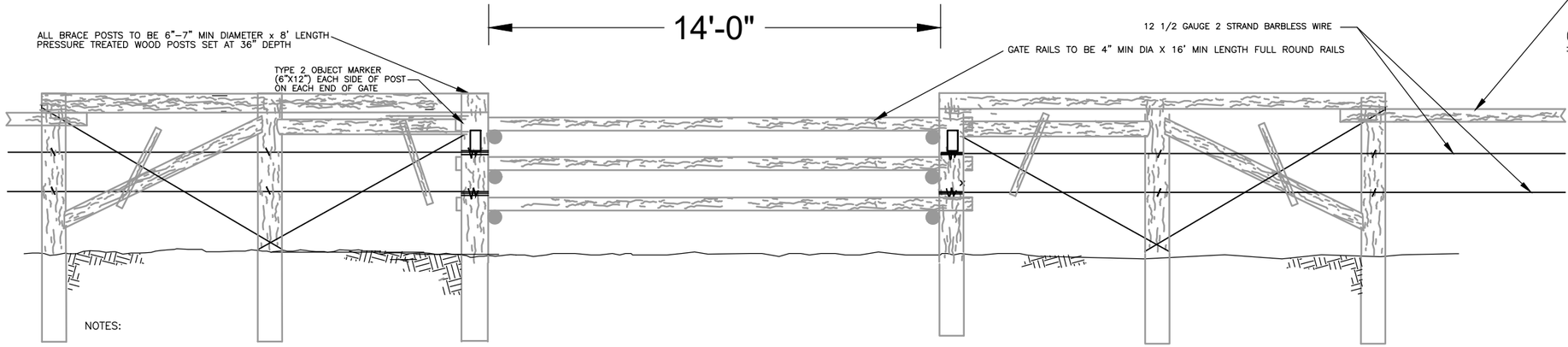


STANDARD BRACE PANEL

FOR EACH END OF GATE AND CORNERS

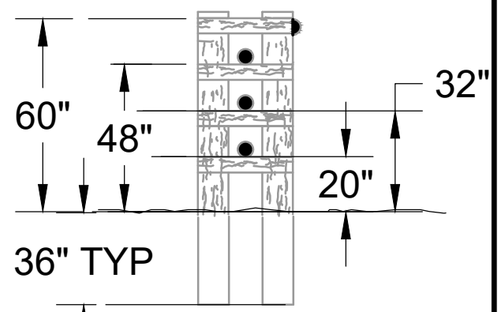


WOOD POLE/RAIL GATE

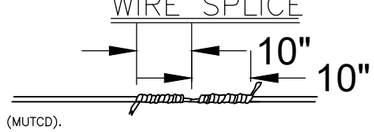


TOP RAIL TO BE 4" MIN DIA X 16' MIN LENGTH HALF ROUND RAIL TOP RAIL SHALL BE CONNECTED TO POST UTILIZING STRUCTURAL/ CONSTRUCTION 6" MIN LENGTH LAG SCREWS.

CROSS SECTION VIEW OF GATE



WIRE SPLICE



MIN. 6 TIGHT WRAPS

NOTES:

(1) STANDARD METAL STOCK GATE WILL BE 16 FEET IN WIDTH AND 52 INCHES IN HEIGHT. SEE SECTION 323120 STOCK GATE IN THE PROJECT SPECIFICATIONS. WOOD RAIL GATES WILL BE 14' WIDE (OPENING) UNLESS OTHERWISE DESIGNATED IN THE PLANS.

(2) ALL BRACE, CORNER, AND GATE POSTS SHALL BE PRESSURE TREATED 6"–7" DIAMETER X 8' POSTS SET AT 36" DEPTH.

(3) LINE POSTS SHALL BE PRESSURE TREATED 5"–6" MIN DIAMETER X 8' POSTS SET AT 36" DEPTH.

(4) BRACE PANELS WILL BE USED ON BOTH SIDES OF ALL GATES, ALL FENCE CORNERS.

(5) LIMIT FENCE RUNS TO 650 FEET BETWEEN ADJACENT CORNER BRACES, GATE BRACES, END BRACES, OR LINE BRACES.

(6) TOP RAIL SHALL BE PRESSURE TREATED 4" END DIAMETER MINIMUM AND 16 FEET LENGTH MINIMUM, HALF ROUND RAILS, TOP RAILS TO BE OVERLAPPED AND CONNECTED TO POSTS USING STRUCTURAL/CONSTRUCTION 6" LAG SCREWS. SEE SECTION 323150 POST AND POLE WITH BARBLESS WIRE FENCE IN THE PROJECT SPECIFICATIONS.

(7) WOOD RAILS FOR GATES SHALL BE PRESSURE TREATED 4" END DIAMETER MINIMUM AND 16 FEET LENGTH MINIMUM FULL ROUND RAILS.

(8) SMOOTH WIRE FOR GATE CLOSURE AND BRACE PANEL TENSION WIRE TO BE 9 GAUGE ZINC–COATED WIRE.

(9) WIRE TO BE 12 1/2 GAUGE, TWO STRAND BARBLESS WIRE, RED BRAND OR APPROVED EQUAL.

(10) ALL WIRE TO BE STRETCHED AND TENSIONED TO INDUSTRY STANDARD FOR FENCE CONSTRUCTION.

(11) ALL FIELD CUTS ON POSTS, BRACES AND POSTS SHALL BE TREATED WITH COPPER NAPTHENATE SOLUTION.

(12) ALL SIGNS AND OBJECT MARKERS REQUIRED ARE INCIDENTAL TO GATE CONSTRUCTION.

(13) ALL SIGNS AND OBJECT MARKERS SHALL MEET THE REQUIREMENTS OF THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

*DRAWINGS NOT TO SCALE

United States Department of Agriculture
Forest Service

01

NORTHERN REGION

'Project Name'

CUSTER GALLATIN NATIONAL FOREST
ADMIN STOCK FACILITY ROAD MAINTENANCE
CUSTER GALLATIN NATIONAL FOREST

BEARTOOTH/YELLOWSTONE RANGER DISTRICT

DRAWING TITLE

HAYES McPHERSON GATE DETAILS

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
10 DEC 2024	ARD	SLA	D-4	10 OF 12

NO.	REVISION DESCRIPTION	BY	DATE
1			
2			
3			

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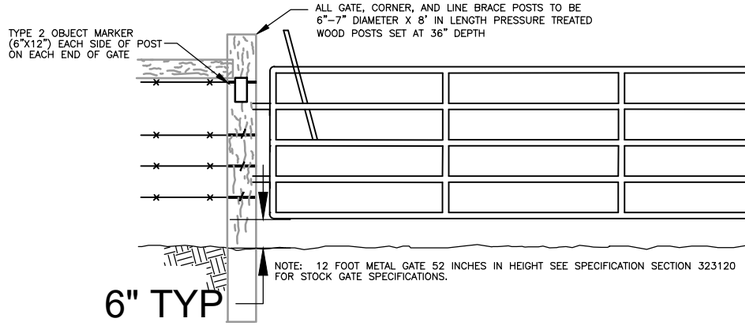
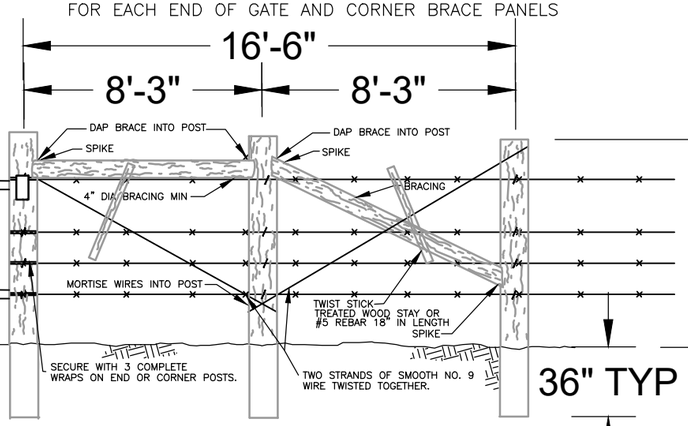
METAL STOCK GATE

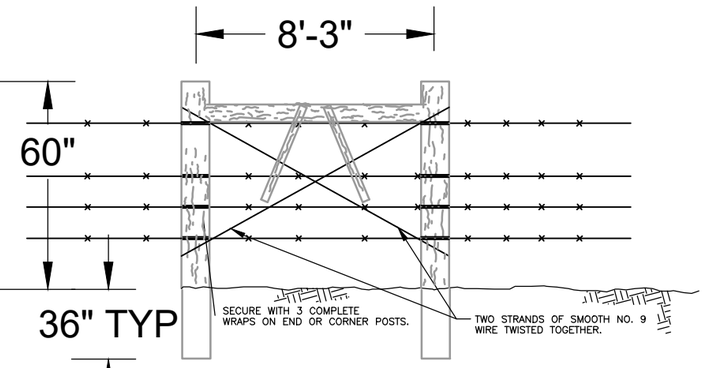


STANDARD BRACE PANEL

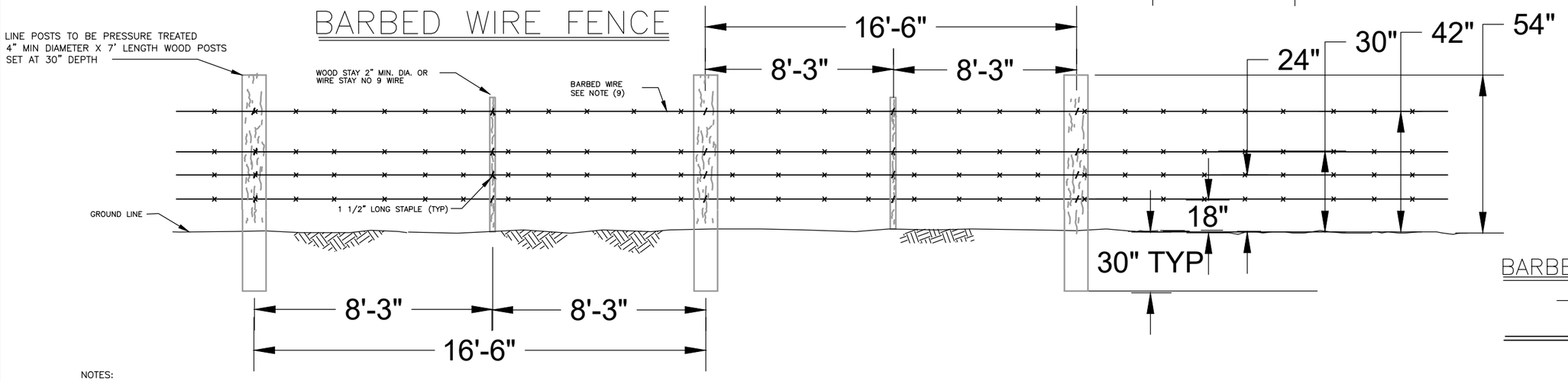
FOR EACH END OF GATE AND CORNER BRACE PANELS



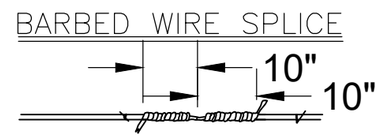
LINE BRACE PANEL



BARBED WIRE FENCE



BARBED WIRE SPLICE



NOTES:

(1) STANDARD METAL STOCK GATE WILL BE 12 FEET WIDTH AND 52 INCHES IN HEIGHT SEE SPECIFICATION SECTION 323120 FOR STOCK GATE SPECIFICATIONS.

(2) ALL BRACE, CORNER, AND GATE POSTS SHALL BE PRESSURE TREATED 6"–7" DIAMETER X 8' POSTS SET AT 36" DEPTH.

(3) LINE POSTS SHALL BE PRESSURE TREATED 4" MIN DIAMETER X 7' WOOD POSTS SET AT 30" DEPTH.

(4) WOOD STAYS WILL BE 2" MINIMUM DIAMETER, WIRE STAY WILL BE OF NO. 9 WIRE.

(5) BRACE PANELS WILL BE USED ON BOTH SIDES OF ALL GATES, ALL FENCE CORNERS.

(6) LIMIT FENCE RUNS TO 650 FEET BETWEEN ADJACENT CORNER BRACES, GATE BRACES, END BRACES, OR LINE BRACES.

(7) SMOOTH WIRE FOR GATE CLOSURE AND BRACE PANEL TENSION WIRE TO BE 9 GAUGE ZINC–COATED WIRE.

(8) ALL BARBED–WIRE TO BE 12 1/2 GAUGE, 2–POINT, WITH BARBS 4"–5" APART, RED BRAND OR APPROVED EQUAL.

(9) ALL WIRE TO BE STRETCHED AND TENSIONED TO INDUSTRY STANDARD FOR FENCE CONSTRUCTION.

(10) ALL FIELD CUTS ON POSTS, BRACES AND POSTS SHALL BE TREATED WITH COPPER NAPTHENATE SOLUTION.

(11) ALL SIGNS AND OBJECT MARKERS REQUIRED ARE INCIDENTAL TO GATE CONSTRUCTION.

(12) ALL SIGNS AND OBJECT MARKERS SHALL MEET THE REQUIREMENTS OF THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

*DRAWINGS NOT TO SCALE

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United States Department of Agriculture
Forest Service

01

NORTHERN REGION

'Project Name'

CUSTER GALLATIN NATIONAL FOREST
ADMIN STOCK FACILITY ROAD MAINTENANCE
CUSTER GALLATIN NATIONAL FOREST

BEARTOOTH/YELLOWSTONE RANGER DISTRICT

DRAWING TITLE

MEYERS CREEK BARB WIRE FENCE METAL GATE DETAILS

DATE	DESIGNER	CHECKED
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NO.	REVISION DESCRIPTION	BY	DATE
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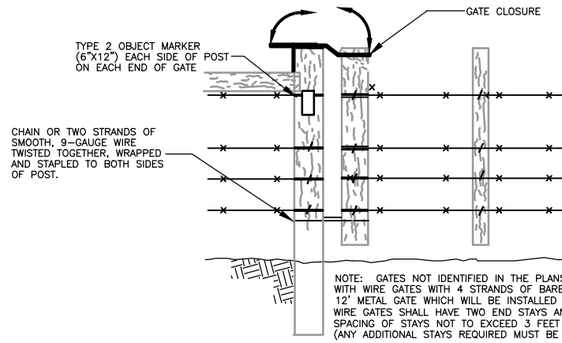
DWG SHEET NO. **D-5**

SHEET **11** OF **12**

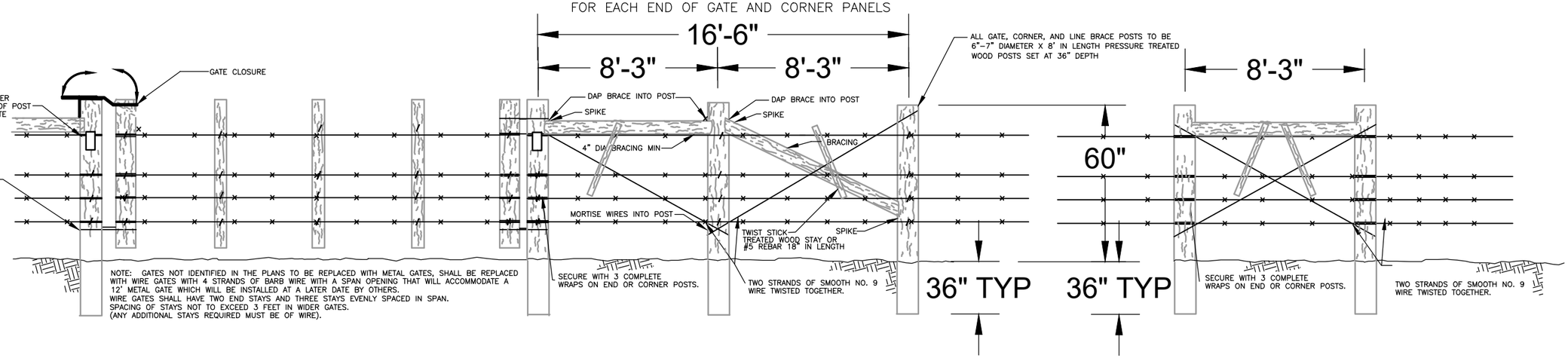
WIRE GATE



NOTE: GATES NOT IDENTIFIED IN THE PLANS TO BE REPLACED WITH METAL GATES, SHALL BE REPLACED WITH WIRE GATES WITH 4 STRANDS OF BARB WIRE WITH A SPAN OPENING THAT WILL ACCOMMODATE A 12' METAL GATE WHICH WILL BE INSTALLED AT A LATER DATE BY OTHERS.
WIRE GATES SHALL HAVE TWO END STAYS AND THREE STAYS EVENLY SPACED IN SPAN.
SPACING OF STAYS NOT TO EXCEED 3 FEET IN WIDER GATES.
(ANY ADDITIONAL STAYS REQUIRED MUST BE OF WIRE).

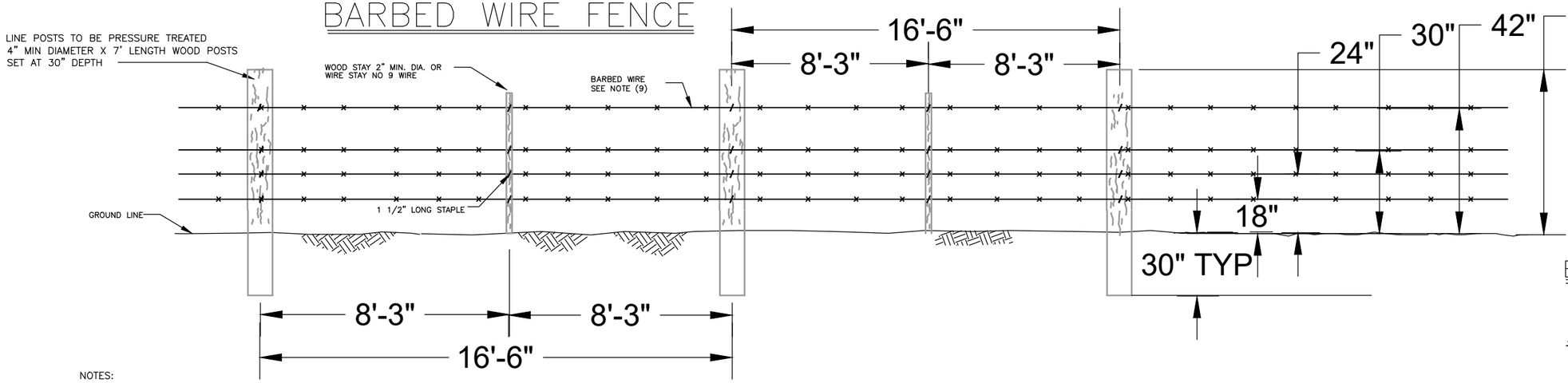
STANDARD BRACE PANEL

FOR EACH END OF GATE AND CORNER PANELS

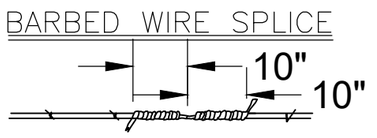


LINE BRACE PANEL

BARBED WIRE FENCE



BARBED WIRE SPLICE



MIN. 6 TIGHT WRAPS

NOTES:

(1) GATES NOT IDENTIFIED IN THE PLANS TO BE REPLACED WITH METAL GATES SHALL BE REPLACED WITH WIRE GATES WITH 4 STRANDS OF BARB WIRE WITH A SPAN WIDTH THAT WILL ACCOMMODATE A 12' METAL GATE FOR FUTURE INSTALLATION. END STAYS WILL BE 3" MIN. DIAMETER. CENTER STAYS 2" MIN DIAMETER.

(2) ALL BRACE, CORNER, AND GATE POSTS SHALL BE PRESSURE TREATED 6"-7" DIAMETER X 8' POSTS SET AT 36" DEPTH.

(3) LINE POSTS SHALL BE PRESSURE TREATED 4" MIN DIAMETER X 7' WOOD POSTS SET AT 30" DEPTH.

(4) WOOD STAYS WILL BE 2" MINIMUM DIAMETER, WIRE STAY WILL BE OF NO. 9 WIRE.

(5) BRACE PANELS WILL BE USED ON BOTH SIDES OF ALL GATES, ALL FENCE CORNERS.

(6) LIMIT FENCE RUNS TO 650 FEET BETWEEN ADJACENT CORNER BRACES, GATE BRACES, END BRACES, OR LINE BRACES.

(7) SMOOTH WIRE FOR GATE CLOSURE AND BRACE PANEL TENSION WIRE TO BE 9 GAUGE ZINC-COATED WIRE.

*DRAWINGS NOT TO SCALE

(8) ALL BARBED-WIRE TO BE 12 1/2 GAUGE, 2-POINT, WITH BARBS 4"-5" APART, RED BRAND OR APPROVED EQUAL.

(9) ALL WIRE TO BE STRETCHED AND TENSIONED TO INDUSTRY STANDARD FOR FENCE CONSTRUCTION.

(10) ALL FIELD CUTS ON POSTS, BRACES AND POSTS SHALL BE TREATED WITH COPPER NAPTHENATE SOLUTION.

(11) GATE CLOSER POWDER COATED TOOL-TUFF GATE CLOSER OR APPROVED EQUAL.

(12) TYPE 3 OBJECT MARKERS SHALL BE CONSTRUCTED ON A FIBERGLASS SUBSTRATE AND SHALL BE BLACK AND YELLOW, DOUBLE SIDED, REFLECTORIZED, AND SECURED TO THE GATE AS SHOWN WITH GALVANIZED SMOOTH WIRE. A "FLEX LITE" FLEXIBLE MARKER MAY BE SUBSTITUTED.

(13) ALL SIGNS AND OBJECT MARKERS REQUIRED ARE INCIDENTAL TO GATE CONSTRUCTION.

(14) ALL SIGNS AND OBJECT MARKERS SHALL MEET THE REQUIREMENTS OF THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

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DRAWING TITLE
MEYERS CREEK BARB WIRE
FENCE WIRE GATE DETAILS

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DWG SHEET NO.
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SHEET
12
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12