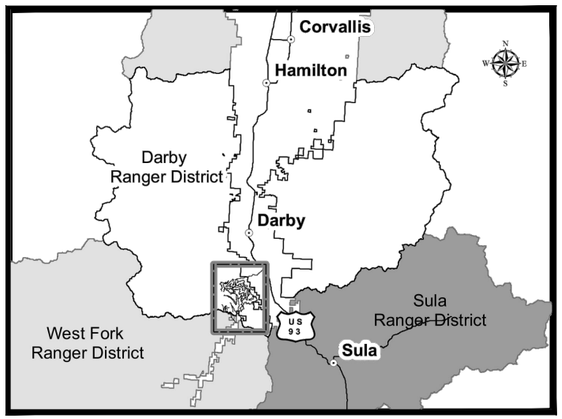
U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION ONE

CONSTRUCTION/RECONSTRUCTION PLANS FOR SPECIFIED ROADS

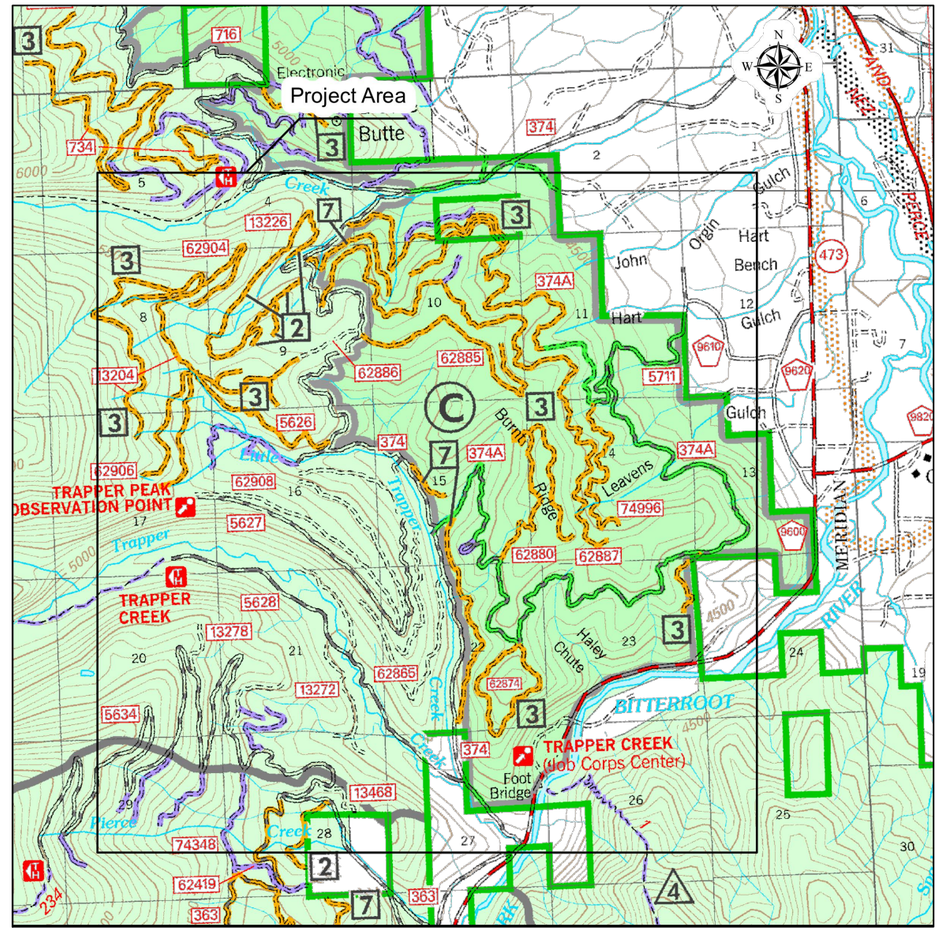
HART TRAP BMP PROJECT

BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT
RAVALLI COUNTY MONTANA

MONTANA / IDAHO INDEX MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE



AREA MAP
NOT TO SCALE

SHEET INDEX

PROJECT: PROJECT NUMBER
DATE: October 15, 2025

Sheet List Table

Sheet Number	Sheet Title
1	TITLE
2	PROJECT MAP
3	SUMMARY OF QUANTITIES & GENERAL NOTES
4	ROAD RECONDITIONING
5	ROADWAY CLEARING DETAIL
6	ROAD_CONSTRUCTION_DETAIL
7	CURVE WIDEN DETAIL
8	CULVERT DETAIL
9	TURNOUT AND TURNAROUND DETAILS
10	DRAIN DIP DETAIL
11	WORKLIST - 374A-1
12	WORKLIST - 374A - 2
13	WORKLIST - 374A - 3
14	WORKLIST - 374A - 4
15	WORKLIST - 5626 - 13204 - 62904
16	16 WORKLIST - 5627 - 62908
17	WORKLIST - 5634
18	WORKLIST - 13226 - 74972
19	WORKLIST - 13275 - 13278
20	WORKLIST - 13276 - 13277
21	WORKLIST - 62882
22	WORKLIST - 62887 - 62888
23	WORKLIST - 62887 - 62413
24	WORKLIST - 62878 - 74996
25	WORKLIST - 62874 - 62876
26	PLAN AND PROFILE ROAD 1042
27	PLAN AND PROFILE ROAD 1042

DESIGNED BY:

PROJECT ENGINEER
BITTERROOT NATIONAL FOREST — DATE

RECOMMENDED BY:

DISTRICT RANGER
BITTERROOT NATIONAL FOREST — DATE

APPROVED BY:

FOREST ENGINEER
BITTERROOT NATIONAL FOREST — DATE

APPROVED BY:

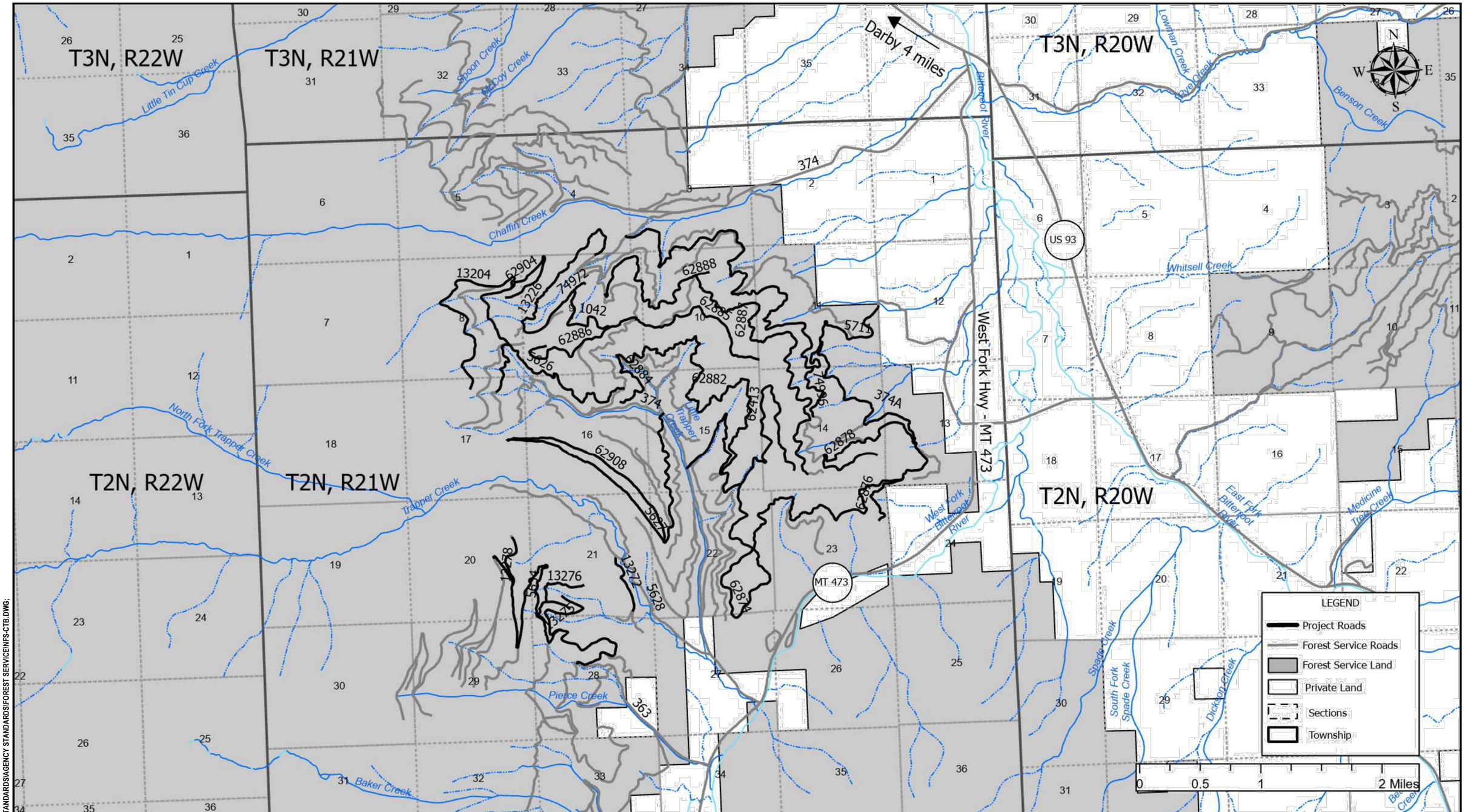
FOREST SUPERVISOR
BITTERROOT NATIONAL FOREST — DATE

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			
△			
△			
△			

SET NO.

SHEET NO.
1

C:\7730TimberSaleSupport\Bitterroot_Front\TBSM_Hart_Trap_Plans and SHEETSET\DWG\R01_Title.dwg



9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture
Forest Service

01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
PROJECT MAP

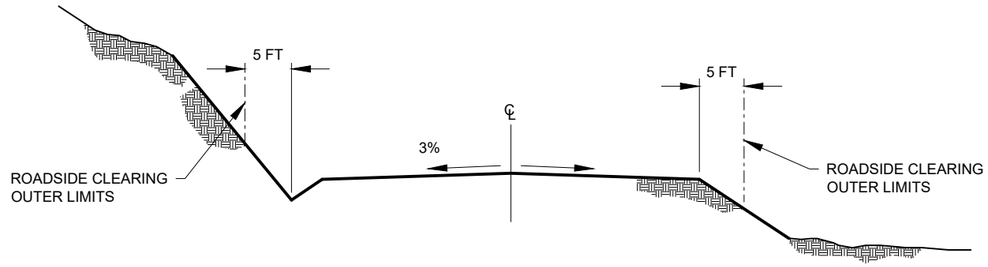
DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025 10/15/2025	J.PINTOK	J. STUART	2	2 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			

HART TRAP BMP PROJECT		Road No.	374A	1042	5626	5627	5634	13204	13226	13275	13276	13277	13278	62413	62874	62876	62878	62882	62887	62888	62904	62908	74972	74996	Totals
		MILES	11.40	0.58	1.98	2.89	3.65	2.63	2.48	0.85	0.71	0.21	0.48	1.99	1.57	0.56	1.71	3.42	5.05	0.12	0.93	1.68	0.15	0.62	45.69
		CON/RECON	RECON	CON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	RECON	
Pay Item	Description	UNITS																							
15101	Mobilization	LS	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	
15201	Drainage Structure Survey and Staking	EA	4			1				1	1			1			1	1							10
15710	Sediment Trap, 4' x 4' x 8'	EA	2																						2.0
20101	Clearing and Grubbing, Disposal Method (k)	AC		2.0																					2.000
20401	Roadway Excavation, Compaction Placement Method 3, Tolerance Class J	CY		4327																					4327
20209	Selective Clearing, Type Roadside, Disposal Method (f)	MI						2.63	2.48					1.08	1.57		1.71	3.42	5.05		0.93			0.62	19.49
20210	Special Clearing and Grubbing, Type Roadway, Disposal Method (k), Compaction Method 3	MI								0.85	0.71	0.21	0.48												2.25
20425	Drainage Excavation, Type II Dip, Tolerance Class A, Compaction Method 2	EA	40		11	9	8	8	7					2			2					3		7	97
21201	Linear Grading, Compaction Method 2, Disposal Method (k)	CY												0.91		0.56		0.02		0.12			0.15		1.76
30316	Roadway Reconditioning, Compaction Method 2	MI	11.40		1.98	2.89	3.65	2.63	2.48	0.85	0.71	0.21	0.48	1.08	1.57		1.71	3.42	5.05		0.93	1.68		0.62	43.34
60201	18-Inch Pipe Culvert, CMP, Gage 16, Compaction Method 2	FT	152	42		40				40	40			38			38	38							0.86
62501	Turf Establishment, Dry Method	AC		1.1																					1.1

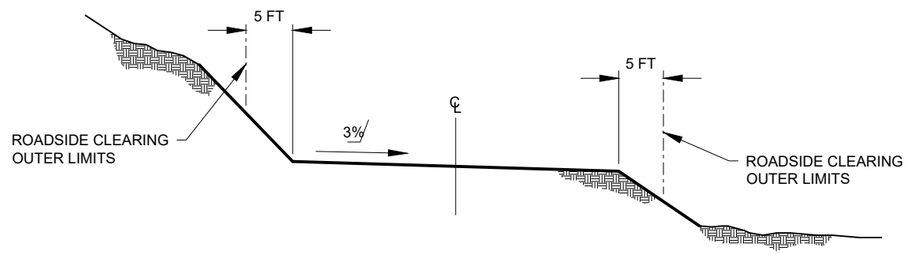
GENERAL NOTES:

1. SPECIFICATIONS: MATERIALS AND CONSTRUCTION OF THIS PROJECT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS (FP 14), FP 14 AND ALL APPLICABLE FOREST SERVICE SPECIAL SPECIFICATIONS (FSSS).
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING HAUL ROUTE DURING AND AFTER PERIODS OF HAUL IN A MANNER THAT KEEPS ROUTES SAFE AND ADEQUATELY MAINTAINED TO ACCOMMODATE PUBLIC TRAFFIC. DUST CONTROL IS REQUIRED DURING PERIODS OF ACTIVE HAUL AS REQUIRED BY SECTION 158. DEVELOP WATER SOURCES ON FOREST SERVICE LAND IN ACCORDANCE WITH FSSS 170. DUST CONTROL IS INCIDENTAL TO ITEM 15101.
3. TRAFFIC CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR, SEE 156 - PUBLIC TRAFFIC.
4. SPECIFICATION 157 - PROTECT AGAINST SOIL EROSION AND SEDIMENTATION DURING CONSTRUCTION IN ACCORDANCE WITH FP 14 SECTION 157. CONTRACTOR SHALL PREPARE AND SUBMIT A SOIL EROSION AND SEDIMENT CONTROL PLAN TO C.O. FOR APPROVAL. PLAN SHALL INCLUDE DRAWINGS AND WRITTEN OUTLINE ILLUSTRATING AND DESCRIBING PROPOSED LAYOUT AND METHODS.
5. ITEM 201 - SLASH FILTER WINDROW IS AN ACCEPTABLE METHOD OF SLASH DISPOSAL IN AREAS WHERE CONSTRUCTION SLASH IS READILY AVAILABLE, LOCATIONS APPROVED BY C.O..
6. ITEMS 204 AND 303 - UNLESS OTHERWISE SPECIFIED, DISPOSE OF ALL UNSUITABLE OR EXCESS MATERIAL AT THE WASTE SITE IDENTIFIED BY THE C.O.
7. ITEM 21201 - LINEAR GRADING - ROAD WIDTH SHALL BE 14 FT MINIMUM WITH CURVE WIDENING AS NOTED IN THE PLANS. ALL VEGETATIVE MATERIAL INCLUDING STUMPS, LOGS AND OTHER DELETERIOUS MATERIAL SHALL BE GRUBBED FROM THE ROAD PRISM AND REPLACED WITH SUITABLE LOCAL MATERIAL AS NEEDED, ALL REMAINING VEGETATIVE MATERIAL WITHIN THE CLEARING LIMITS SHALL BE CUT TO A 6-INCH HEIGHT, OR 6-INCHES ABOVE ROCKS OBSTRUCTIONS IN THE ROADWAY AS SHOWN ON SHEET 5. THIS WORK IS CONSIDERED INCIDENTAL TO PAY ITEM 21201.
8. ITEM 251 - CONSERVE ROCK FROM EXCAVATIONS, AND PLACE AS RIPRAP ARMORING AT THE INLETS AND OUTLETS OF DRAINAGE FEATURES. UNLESS RIP RAP QUANTITIES ARE SPECIFIED, THIS WORK IS CONSIDERED INCIDENTAL TO THE DRAINAGE FEATURE INSTALLATION, AND IS NOT MEASURED FOR PAYMENT. SEDIMENT TRAPS SHALL BE 4 FT WIDE, 4 FT DEEP AND 8 FT LONG AS STAKED BY C.O.
9. ITEM 30207 - AGGREGATE SURFACE COURSE: A GOVERNMENT SOURCE OF CRUSHED AGGREGATE IS AVAILABLE FOR THIS PROJECT, LOCATED IN THE JIM HELL PIT, MP 14.3 ON US HWY 93 SOUTH OF DARBY MONTANA. THE LOCATION OF THE AGGREGATE IS APPROXIMATELY 16 MILES FROM THE PROJECT SITE
10. ITEMS 60201 - CULVERT PIPE INSTALLATION: EXCAVATION AND BACKFILL FOR EXISTING AND NEW STRUCTURES IS INCIDENTAL TO INSTALLATION OF NEW CULVERTS. CONTRACTOR MAY CLOSE THE ROAD FOR A MAXIMUM OF 4 HOURS FOR CULVERT INSTALLATIONS. DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE C.O. FOR APPROVAL. PLAN SHALL INCLUDE DRAWING AND WRITTEN OUTLINE ILLUSTRATING AND DESCRIBING PROPOSED LAYOUT, METHODS, EQUIPMENT AND ANTICIPATED STREAM FLOW VOLUMES. DEWATERING AND CATCH BASIN CONSTRUCTION INCIDENTAL TO PAY ITEM 60201.



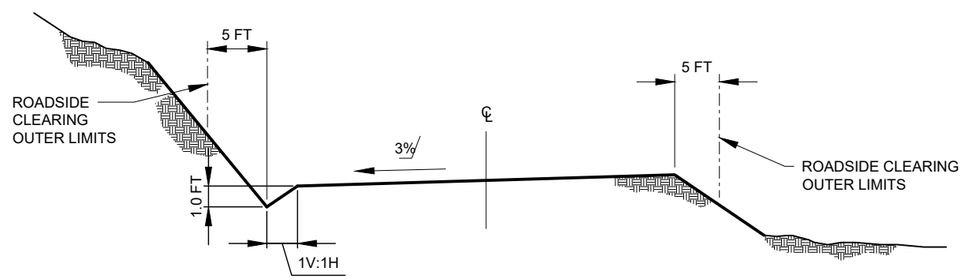
ROAD RECONDITIONING CROWN

NOT TO SCALE



ROAD RECONDITIONING OUTSLOPE

NOT TO SCALE



ROAD RECONDITIONING W/DITCH

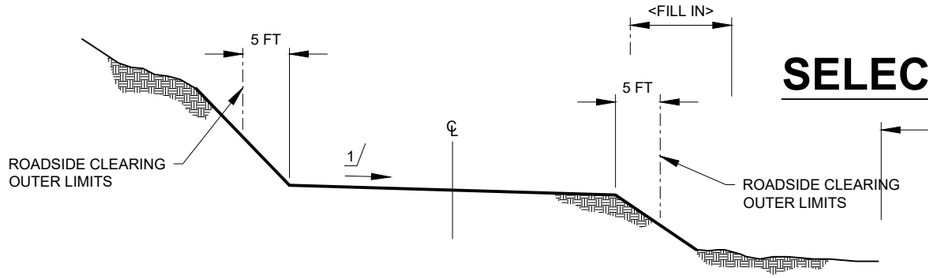
NOT TO SCALE

1/ INSLOPE, OUTSLOPE, OR CROWN WHEN SPECIFIED IN THE WORKLIST. OTHERWISE MAINTAIN EXISTING.

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

USDA United States Department of Agriculture Forest Service	01 NORTHERN REGION	PROJECT NAME: HART TRAP BMP PROJECT, BITTERROOT NATIONAL FOREST, DARBY RANGER DISTRICT	DRAWING TITLE: ROAD RECONDITIONING	DATE: DATE 10/15/2025	DESIGNER: J.PINTOK	CHECKED: J. STUART
				NO. / REVISION DESCRIPTION / BY / DATE	DWG SHEET NO. 4	SHEET 4 OF 27

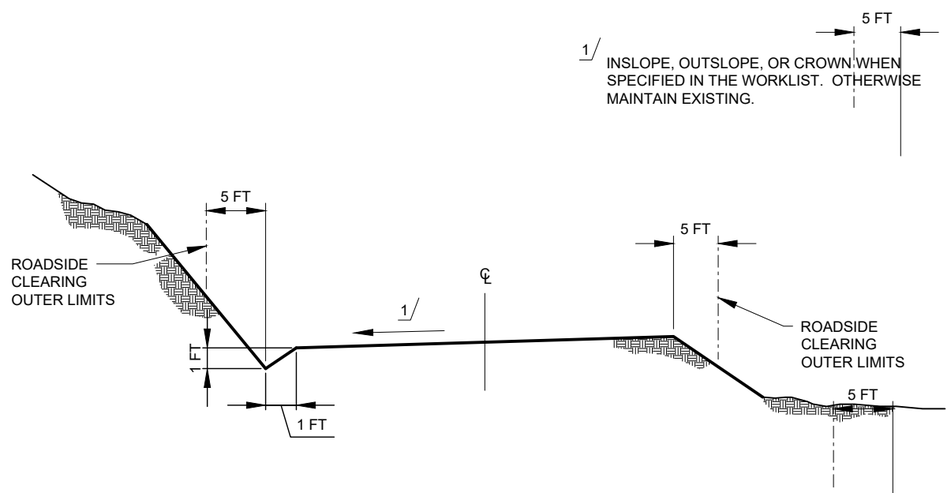
SELECTIVE CLEARING DETAIL
NOT TO SCALE



ROADSIDE CLEARING AND ROAD RECONDITIONING

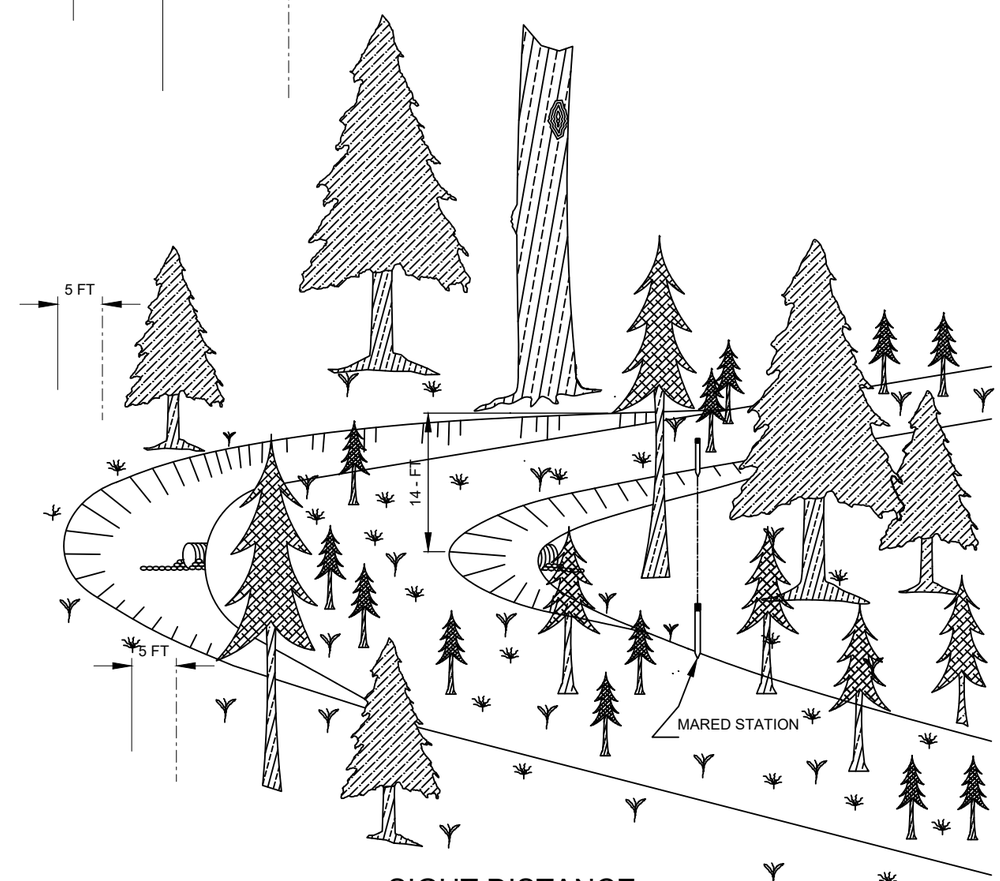
NOT TO SCALE

1/ INSLOPE, OUTSLOPE, OR CROWN WHEN SPECIFIED IN THE WORKLIST. OTHERWISE MAINTAIN EXISTING.



ROADSIDE CLEARING AND ROAD RECONDITIONING W/DITCH

NOT TO SCALE



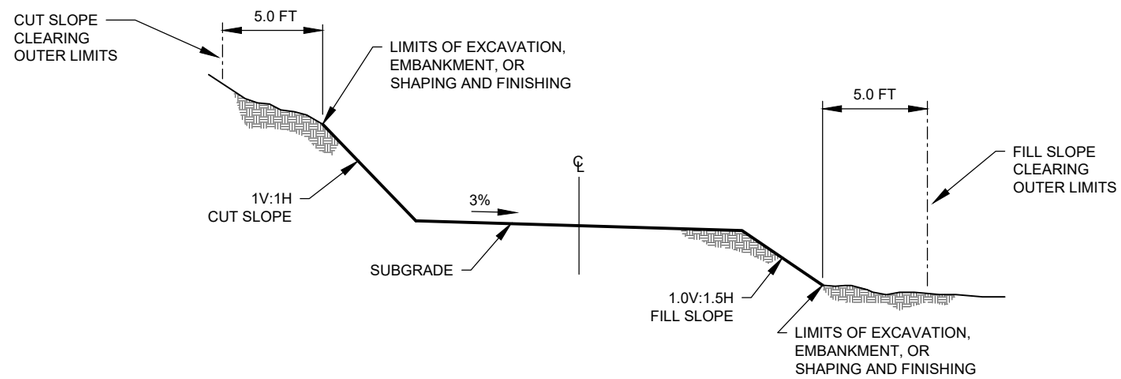
SIGHT DISTANCE

NOTES:

1. THE AREA OF SIGHT DISTANCE CLEARING WILL BE FROM THE ROADSIDE CLEARING LIMIT TO A LINE OF SIGHT BETWEEN THE BEGINNING AND THE ENDING STATIONS MARKED ON THE GROUND. SIGHT DISTANCE CLEARING IS INCLUDED IN ROADSIDE CLEARING LIMITS AT STAKED LOCATIONS.

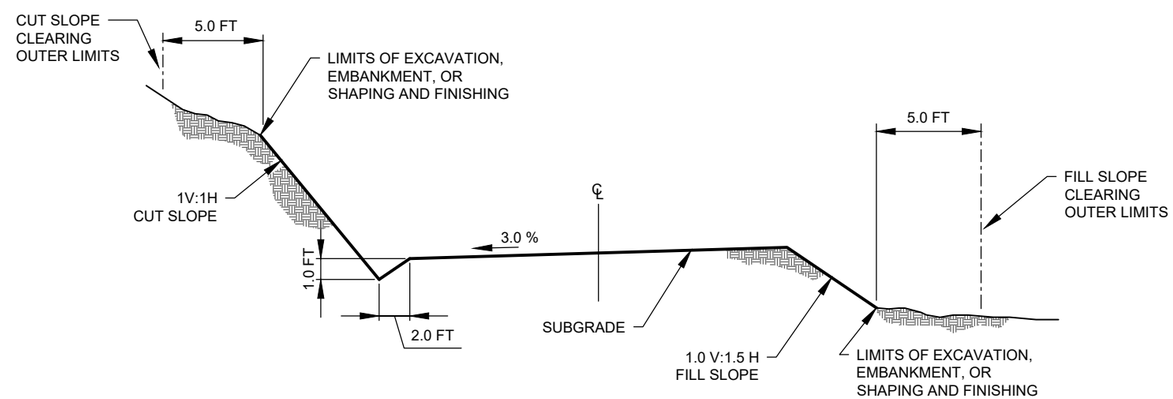
9/28/18 07:07 MARKL F:\ CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\INFS-CTB.DWG;

United States Department of Agriculture Forest Service	01 NORTHERN REGION	PROJECT NAME: HART TRAP BMP PROJECT, BITTERROOT NATIONAL FOREST, DARBY RANGER DISTRICT	DRAWING TITLE: ROADWAY CLEARING DETAIL	DATE: DATE 10/15/2025	DESIGNER: J.PINTOK	CHECKED: J. STUART	DWG SHEET NO. 5
				NO. / REVISION DESCRIPTION / BY / DATE			SHEET 5 OF 27



OUTSLOPED TYPICAL SECTION

NOT TO SCALE



INSLOPED TYPICAL SECTION

NOT TO SCALE

NEW CONSTRUCTION			
ROAD NUMBER	BEGINNING MILEPOST	ENDING MILEPOST	TYPICAL SECTION
13226.1	2.478	3.057	OUTSLOPED WITHOUT A DITCH
62887	0.000	0.012	OUTSLOPED WITHOUT A DITCH

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture
Forest Service

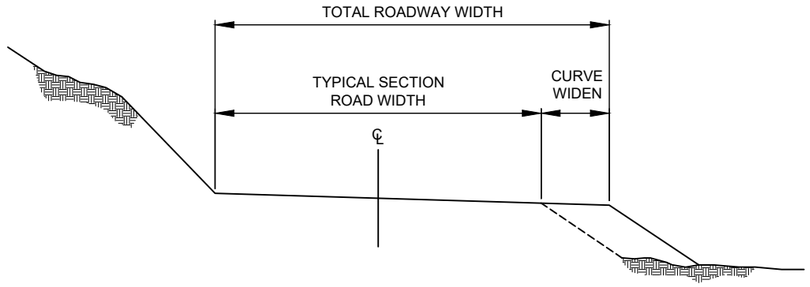
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
ROAD_CONSTRUCTION_DETAIL

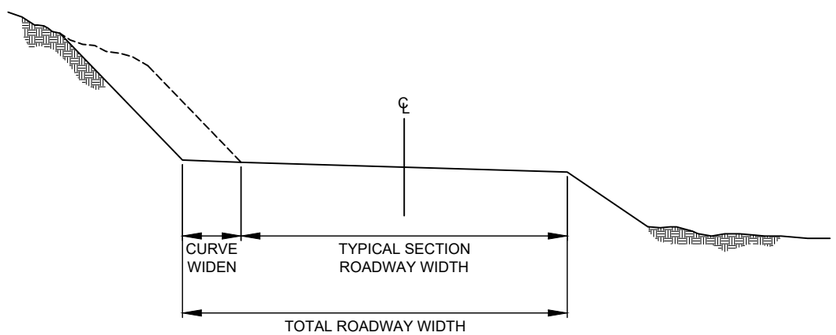
DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	6	6 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



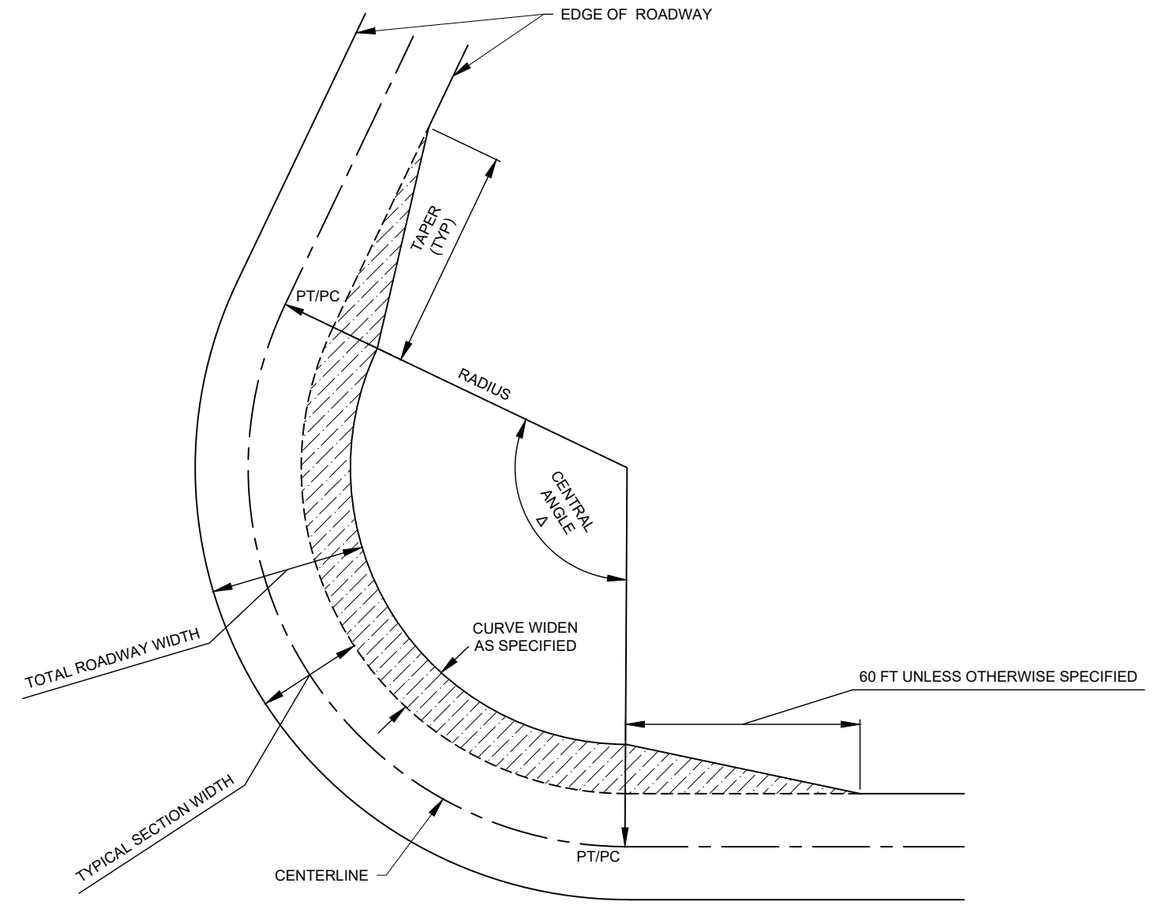
FILL SLOPE CURVE WIDENING

NOT TO SCALE



CUT SLOPE CURVE WIDENING

NOT TO SCALE

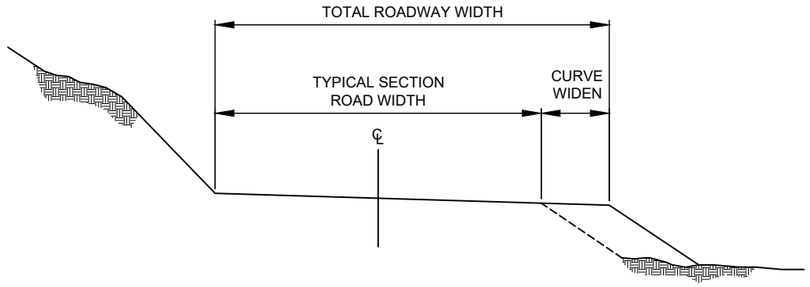


NOTES:

1. ADD HORIZONTAL CURVE WIDENING TO THE INSIDE OF CURVES. WIDENING APPLIES TO THE ROADWAY THROUGH THE ENTIRE CURVE FROM PC TO PT.

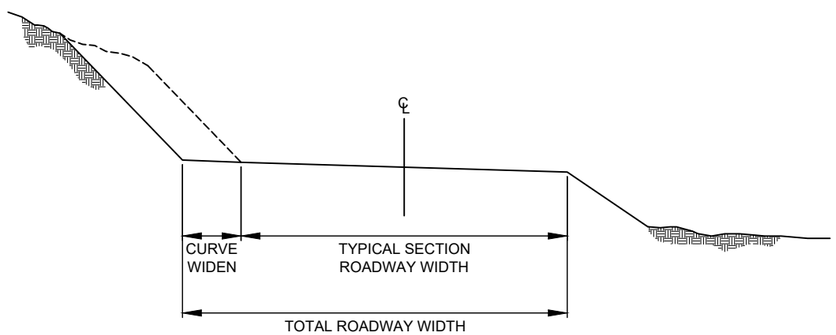
9/28/18 07:07 MARKL F:\ CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture Forest Service	01 NORTHERN REGION	PROJECT NAME: HART TRAP BMP PROJECT — BITTERROOT NATIONAL FOREST — DARBY RANGER DISTRICT	DRAWING TITLE: CURVE WIDEN DETAIL	DATE: DATE 10/15/2025	DESIGNER: J.PINTOK	CHECKED: J. STUART	DWG SHEET NO. 7
				NO. / REVISION DESCRIPTION / BY / DATE			SHEET 7 OF 27



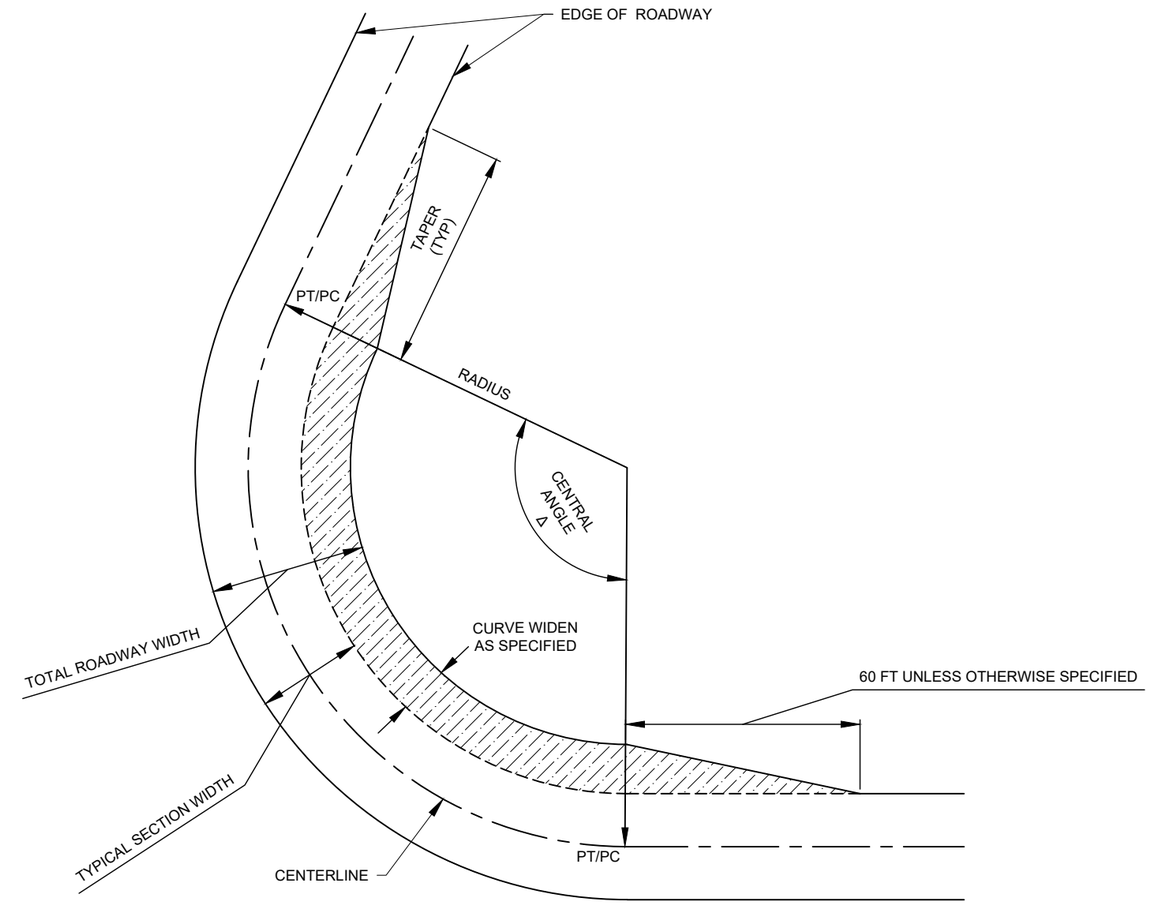
FILL SLOPE CURVE WIDENING

NOT TO SCALE



CUT SLOPE CURVE WIDENING

NOT TO SCALE

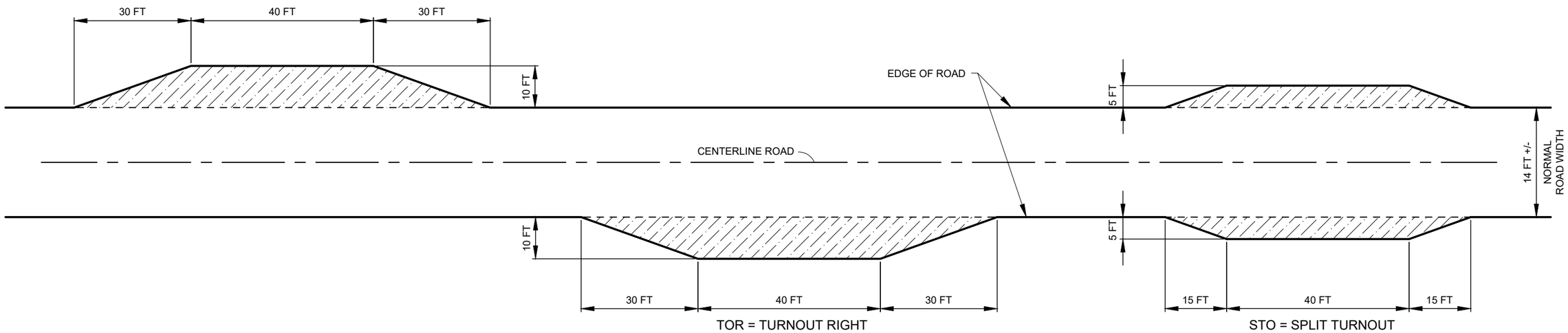


NOTES:

1. ADD HORIZONTAL CURVE WIDENING TO THE INSIDE OF CURVES. WIDENING APPLIES TO THE ROADWAY THROUGH THE ENTIRE CURVE FROM PC TO PT.

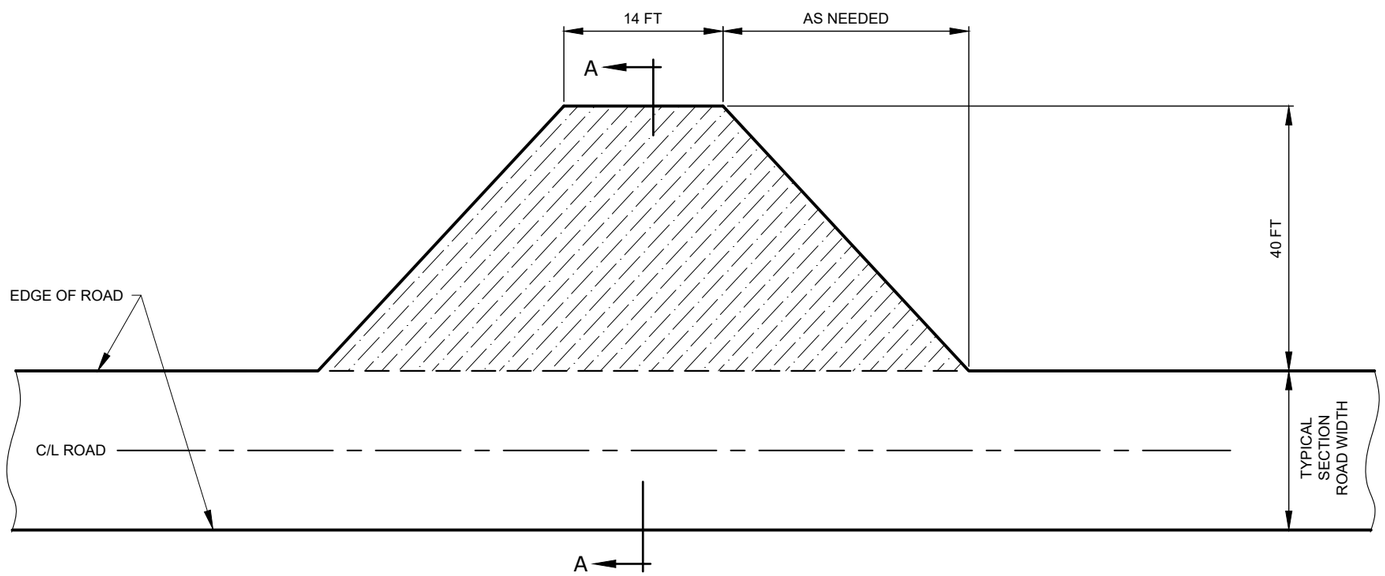
9/28/18 07:07 MARKL F:\ CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture Forest Service	01 NORTHERN REGION	PROJECT NAME: HART TRAP BMP PROJECT — BITTERROOT NATIONAL FOREST — DARBY RANGER DISTRICT	DRAWING TITLE: CURVE WIDEN DETAIL	DATE: DATE 10/15/2025	DESIGNER: J.PINTOK	CHECKED: J. STUART	DWG SHEET NO. 7
				NO. / REVISION DESCRIPTION / BY / DATE			SHEET 7 OF 27



TURNOUT DETAIL

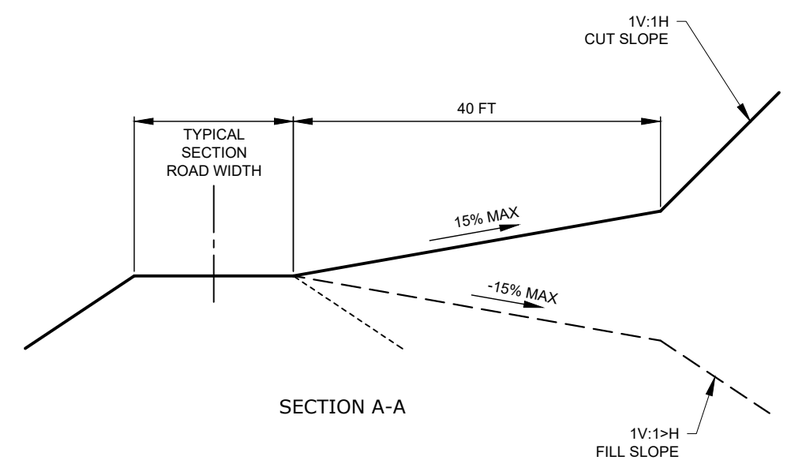
NOT TO SCALE



PLAN VIEW

TURNAROUND DETAIL

NOT TO SCALE

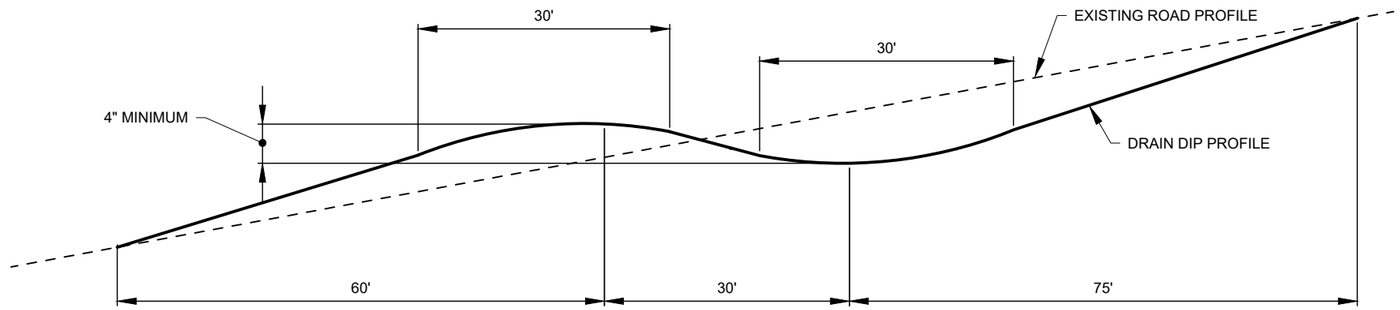


SECTION A-A

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\WFS-CTB.DWG;

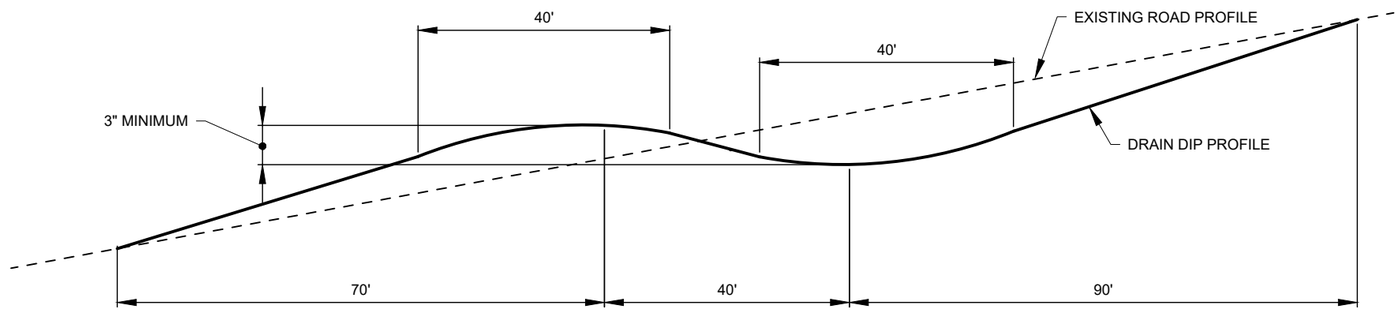
USDA United States Department of Agriculture Forest Service	01 NORTHERN REGION	PROJECT NAME: HART TRAP BMP PROJECT — BITTERROOT NATIONAL FOREST — DARBY RANGER DISTRICT	DRAWING TITLE: TURNOUT AND TURNAROUND DETAILS	DATE: DATE 10/15/2025 / DESIGNER: J.PINTOK / CHECKED: J. STUART	DWG SHEET NO. 9	SHEET 9 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



DRAIN DIP - TYPE II

NOT TO SCALE



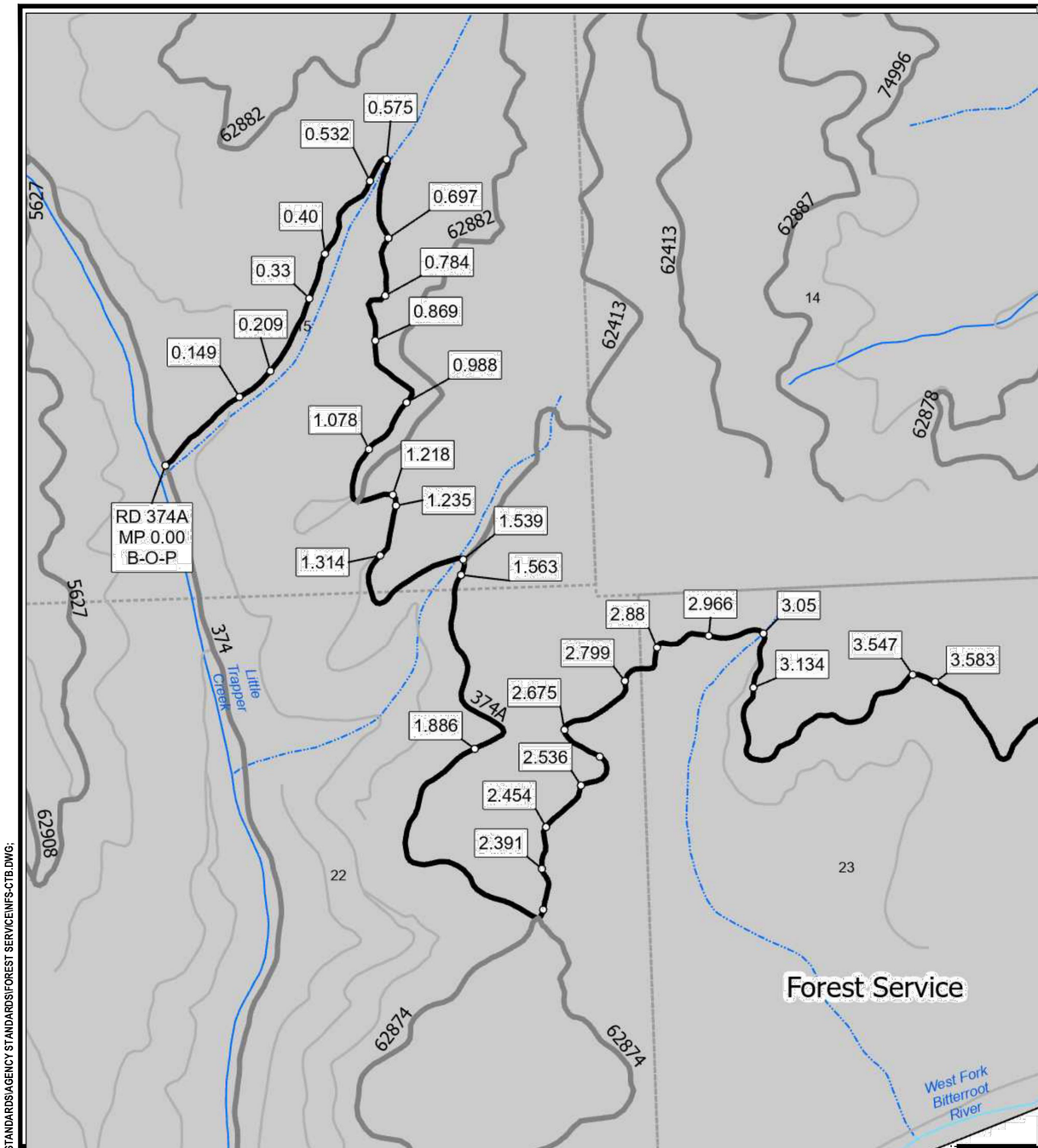
DRAIN DIP - TYPE I

NOT TO SCALE

NOTES:
1. CROSS SLOPE OF THE LOW POINT DRAINLINE SHALL BE 5%.
2. SKEW OF DRAINLINE SHALL BE 0-25 DEGREES.
3. UNLESS OTHERWISE SPECIFIED IN THE WORKLIST DO NOT INTERCEPT THE ROADWAY DITCH.

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\FS-CTB.DWG;

USDA United States Department of Agriculture Forest Service	01 NORTHERN REGION	PROJECT NAME: HART TRAP BMP PROJECT, BITTERROOT NATIONAL FOREST, DARBY RANGER DISTRICT	DRAWING TITLE: DRAIN DIP DETAIL	DATE: DATE 10/15/2025	DESIGNER: J.PINTOK	CHECKED: J. STUART	DWG SHEET NO. 10
				NO. / REVISION DESCRIPTION / BY / DATE			SHEET 10 OF 27



Road # 374A

BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	11.40	30316	Roadway Reconditioning, Compaction Method 2	11.40	MI
0.149		None	Maintain Existing Drain Dip	-	-
0.209		None	Maintain Existing Drain Dip	-	-
0.330		None	Maintain Existing Drain Dip	-	-
0.400		None	Maintain Existing Drain Dip	-	-
0.532		None	Maintain Existing Drain Dip	-	-
0.575		15710	Existing CMP, Draw Relief, Install Sediment Trap, 4' x 4' x 8'	1	EA
0.697		15710	Existing CMP, Draw Relief, Install Sediment Trap, 4' x 4' x 8'	1	EA
0.784		None	Existing CMP, Ditch Relief	-	
0.869		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.988		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.078		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.218		None	Existing CMP, Draw Relief	-	-
1.235		15201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	1	EA
1.235		60201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	38	LF
1.314		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.539		None	Existing CMP, Draw Relief	-	-
1.563		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.886		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.391		15201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	1	EA
2.391		60201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	38	LF
2.454		15201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	1	EA
2.454		60201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	38	LF
2.536		None	Existing CMP Ditch Relief	-	-
2.675		None	Existing CMP Ditch Relief	-	-
2.799		15201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	1	EA
2.799		60201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	38	LF
2.880		None	Existing CMP Ditch Relief	-	-
2.966		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
3.050		None	Existing CMP, Draw Relief	-	-
3.134		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
3.547		None	Existing CMP, Draw Relief	-	-
3.583		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

USDA FOREST SERVICE
United States Department of Agriculture
Forest Service

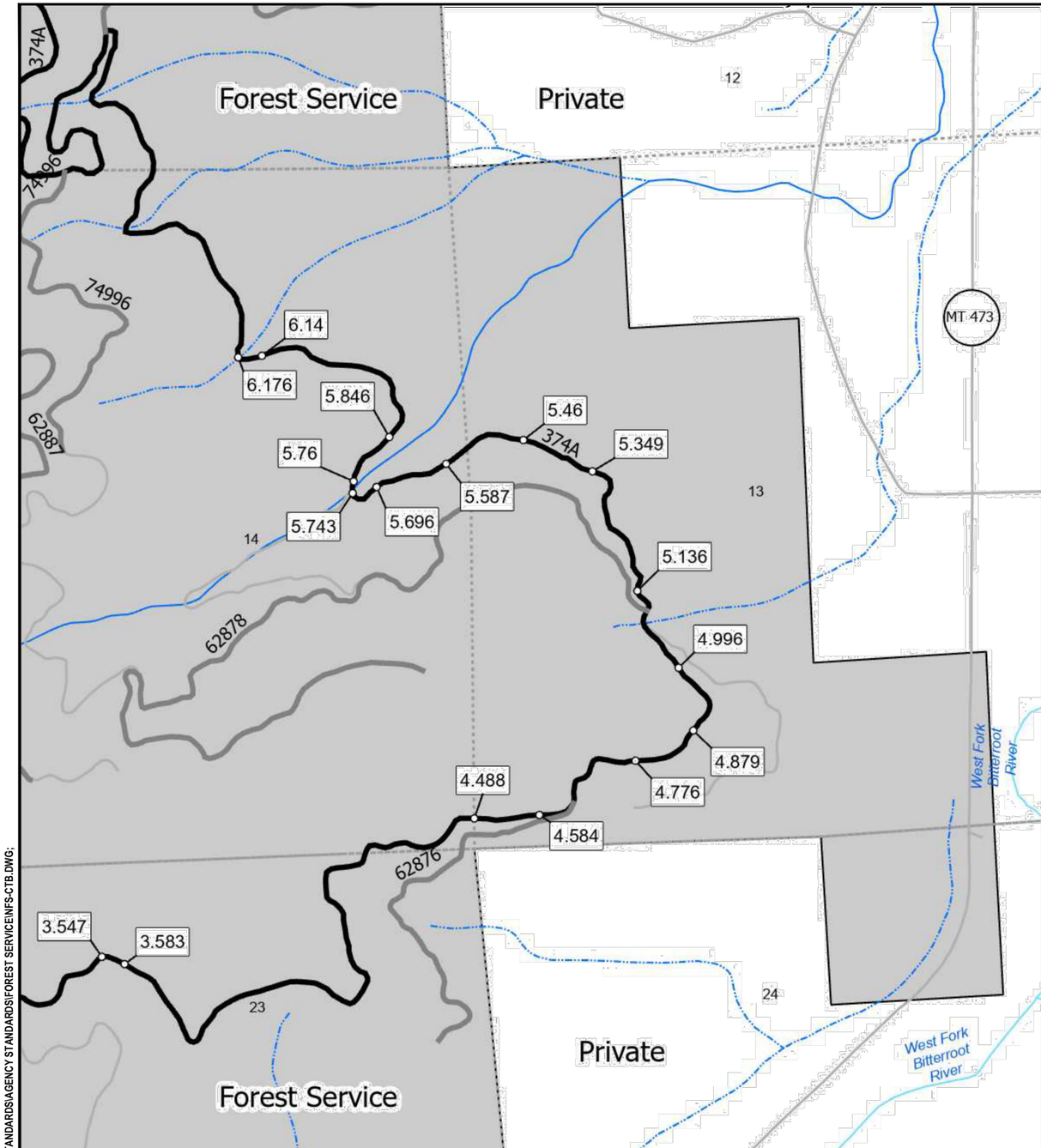
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 374A-1

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	11	11 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road #	374A				
BEG M.P.	**END M.P.**	**PAY ITEM**	**WORK DESCRIPTION**	**QUANTITY**	**UNITS**
4.488		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
4.584		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
4.776		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
4.879		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
4.996		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
5.136		None	Existing CMP, Draw Relief	-	-
5.349		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
5.460		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
5.587		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
5.696		None	Maintain Existing Drain Dip	-	-
5.743		None	Existing CMP, Draw Relief	-	-
5.760		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
5.846		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
6.140		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
6.176		None	Existing CMP, Draw Relief	-	-

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

USDA United States Department of Agriculture Forest Service

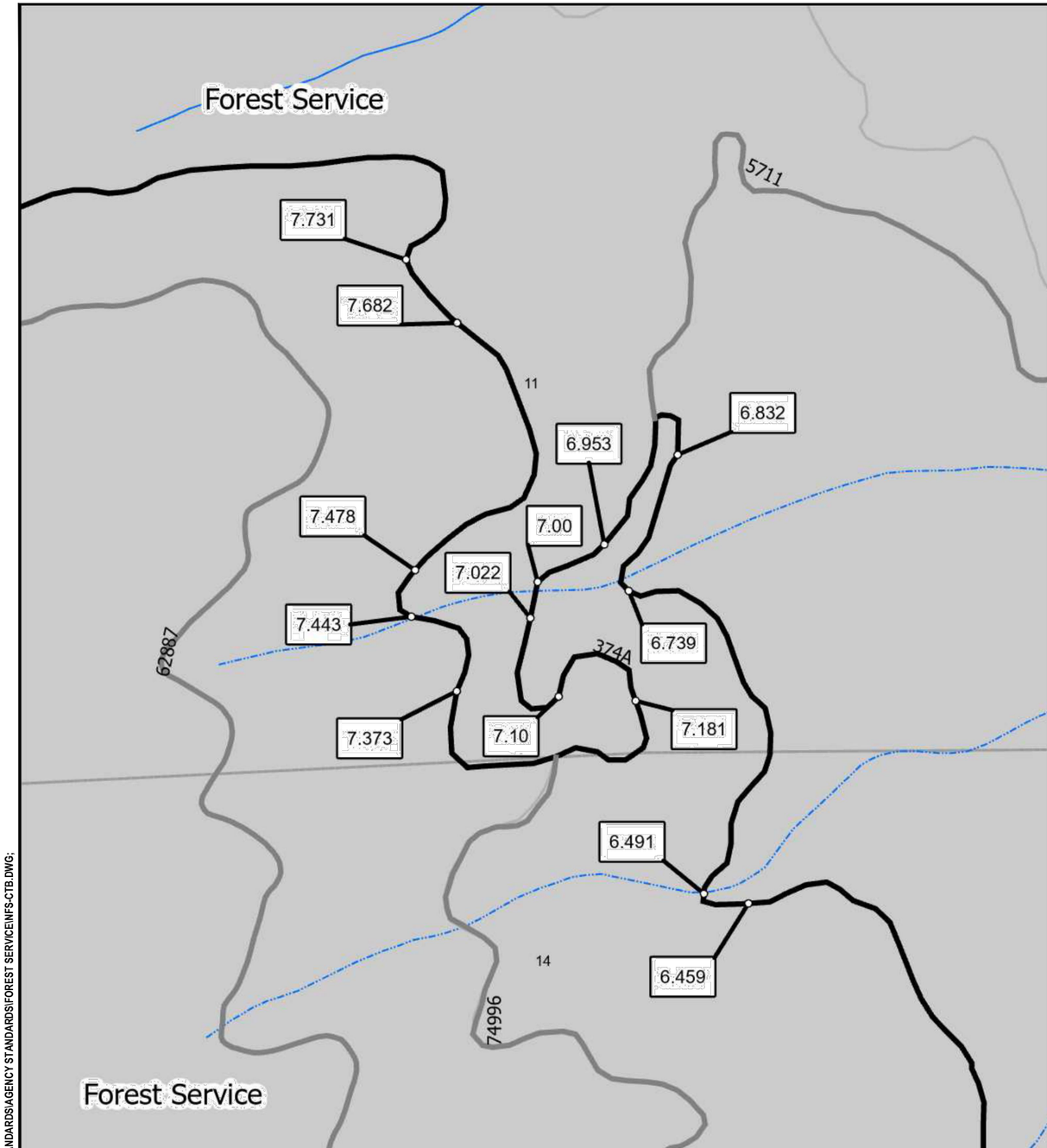
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 374A - 2

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	12	12 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road #

BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
6.459		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
6.491		None	Existing CMP, Draw Relief	-	-
6.739		None	Existing CMP, Draw Relief	-	-
6.832		None	Existing CMP, Switchback Relief	-	-
6.953		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
7.000		None	Existing CMP, Draw Relief	-	-
7.022		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
7.100		None	Rubber Belted Cross Drain	-	-
7.181		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
7.373		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
7.443		None	Existing CMP, Draw Relief	-	-
7.478		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
7.682		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
7.731		None	Existing CMP, Draw Relief	-	-

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\INFS-CTB.DWG;

United States Department of Agriculture
Forest Service

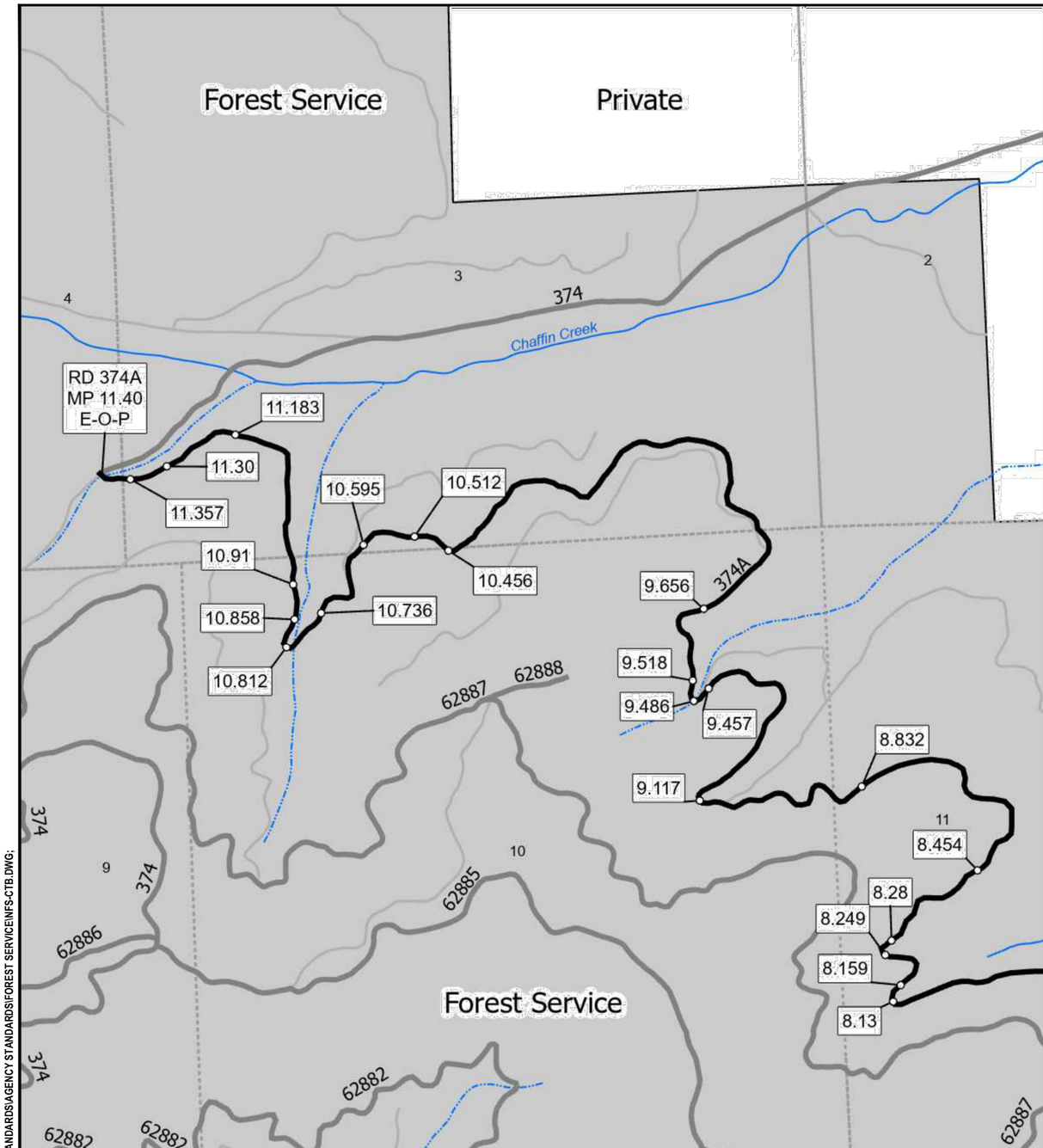
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 374A - 3

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	13	13 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road #	374A				
BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
8.130		None	Existing CMP, Draw Relief	-	-
8.159		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
8.249		None	Existing CMP, Draw Relief	-	-
8.280		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
8.454		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
8.832		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
9.117		None	Existing CMP, Draw Relief	-	-
9.457		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
9.486		None	Existing CMP, Draw Relief	-	-
9.518		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
9.656		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
10.456		None	Existing CMP, Draw Relief	-	-
10.512		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
10.595		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
10.736		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
10.812		None	Existing CMP, Draw Relief	-	-
10.858		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
10.910		None	Existing CMP, Draw Relief	-	-
11.183		None	Rubber Belted Cross Drain	-	-
11.300		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
11.357		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
11.400		None	Existing AOP	-	-

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

USDA FOREST SERVICE
United States Department of Agriculture
Forest Service

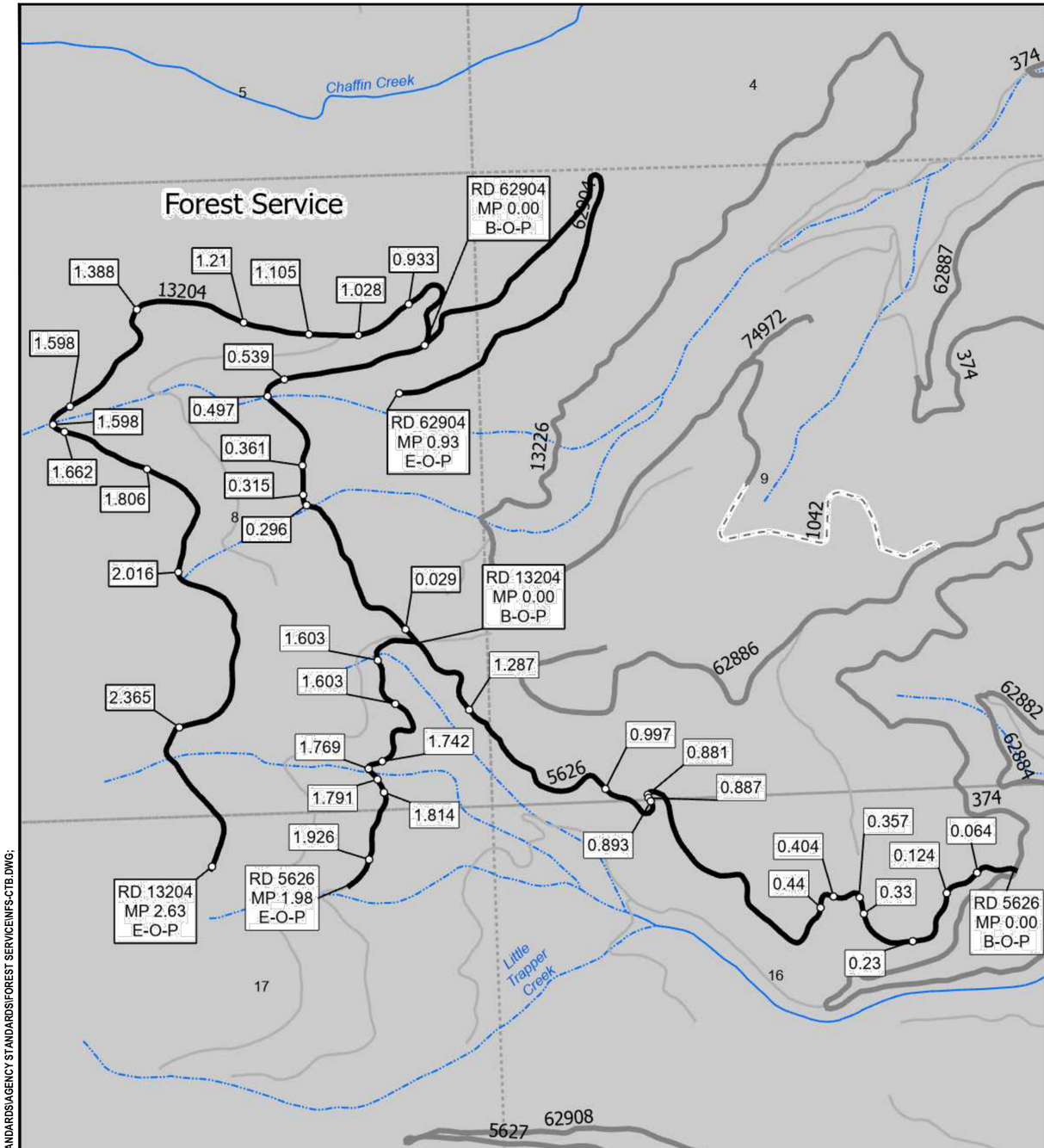
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 374A - 4

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	14	14 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road # 5626

BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	1.98	30316	Roadway Reconditioning, Compaction Method 2	1.98	MI
0.064		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.124		None	Clean Existing Rubber Belted Cross Drain	-	
0.230		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.330		None	Clean Existing Rubber Belted Cross Drain	-	
0.357		None	Existing 12 inch CMP Draw Relief	-	
0.404		None	Clean Existing Rubber Belted Cross Drain	-	
0.440		None	Clean Existing Rubber Belted Cross Drain	-	
0.881		None	Existing CMP Draw Relief	-	
0.887		None	Existing CMP Draw Relief	-	
0.893		None	Clean Existing Rubber Belted Cross Drain	-	
0.997		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.287		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.523		None	Existing CPP Draw Relief	-	
1.603		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.742		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.769		None	Existing CPP Draw Relief	-	
1.791		None	Maintain Existing Drain Dip	-	
1.814		None	Existing water bar	-	
1.926		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.026		None	Existing CMP Draw Relief	-	
2.077		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.160		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.246		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.352		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA

Road # 13204

BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	2.63	20209	Selective Clearing, Type Roadside, Disposal Method (F)	2.63	MI
0.000	2.63	30316	Roadway Reconditioning, Compaction Method 2	2.63	MI
0.029		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.296		None	Existing CMP Draw Relief	-	-
0.315		None	Existing CMP Ground Water Intercept	-	-
0.497		None	Existing CMP Live Stream	-	-
0.539		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.933		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.028		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.105		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.210		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.388		None	Existing CMP Draw Relief	-	-
1.598		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.640		None	Existing CMP Live Stream	-	-
1.662		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.016		None	Existing CMP Draw Relief	-	-
2.365		None	Existing CMP Draw Relief	-	-

Road # 62904

BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	0.93	20209	Selective Clearing, Type Roadside, Disposal Method (F)	0.93	MI
0.000	0.93	30316	Roadway Reconditioning, Compaction Method 2	0.93	MI

9/28/18 07:07 MARKL F:\.CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture
Forest Service

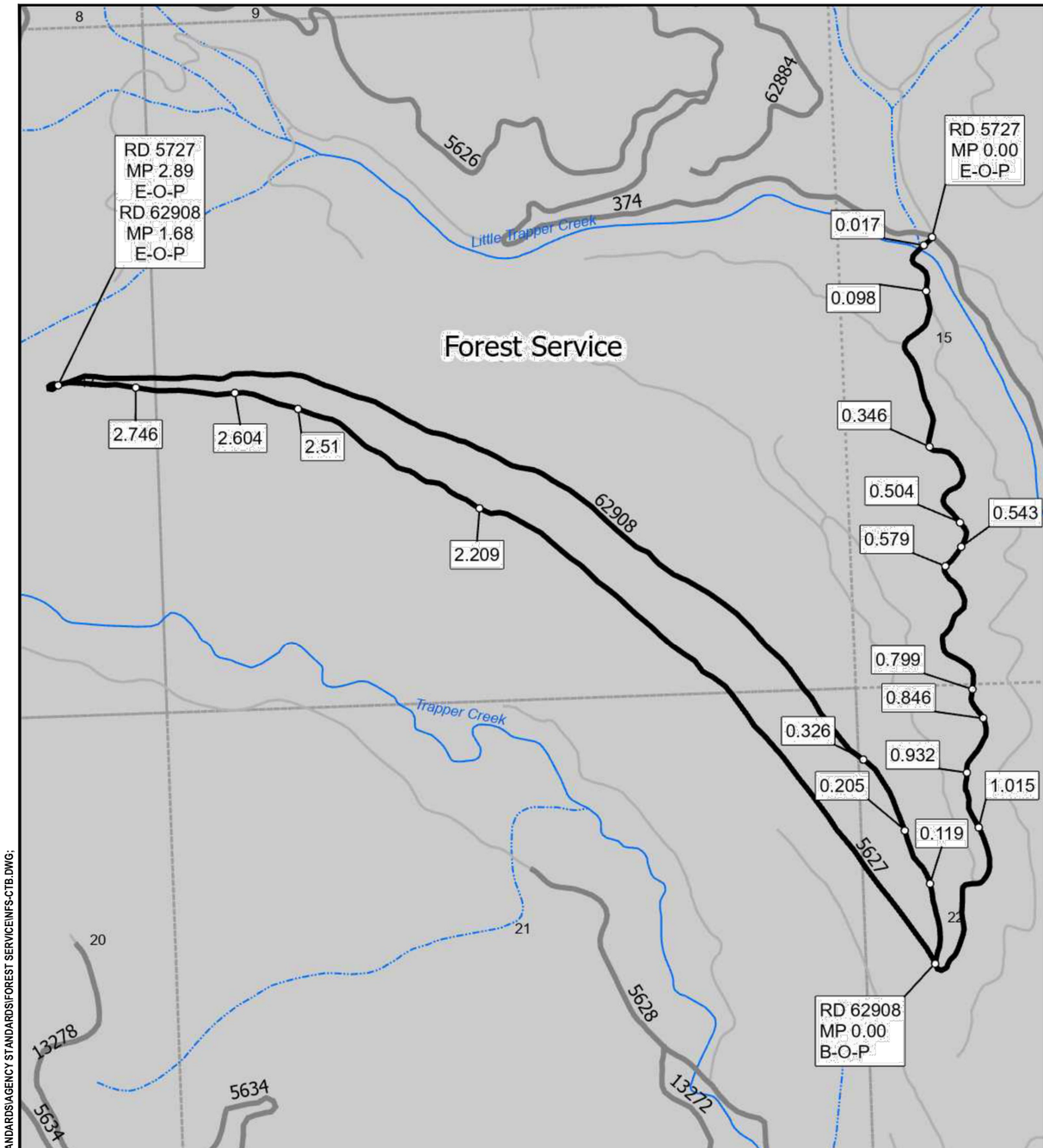
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 5626 - 13204 - 62904

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	15	15 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road # 5627

BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	2.89	30316	Roadway Reconditioning, Compaction Method 2	2.89	MI
0.017		None	Existing CMP, Live Stream	-	-
0.098		None	BMP CMP needed	40	LF
0.346		None	Existing CMP, Ditch Relief	-	-
0.504		None	Maintain Existing Drain Dip	-	
0.543		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.579		None	Existing CMP, Ditch Relief	-	-
0.653		None	End inslope	-	-
0.799		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.846		None	Maintain Existing Drain Dip	-	-
0.932		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.015		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.209		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.510		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.604		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.746		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.746		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA

Road # 62908

BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	1.68	30316	Roadway Reconditioning, Compaction Method 2	1.68	MI
0.326		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.205		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.119		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\INFS-CTB.DWG;

USDA FOREST SERVICE
United States Department of Agriculture
Forest Service

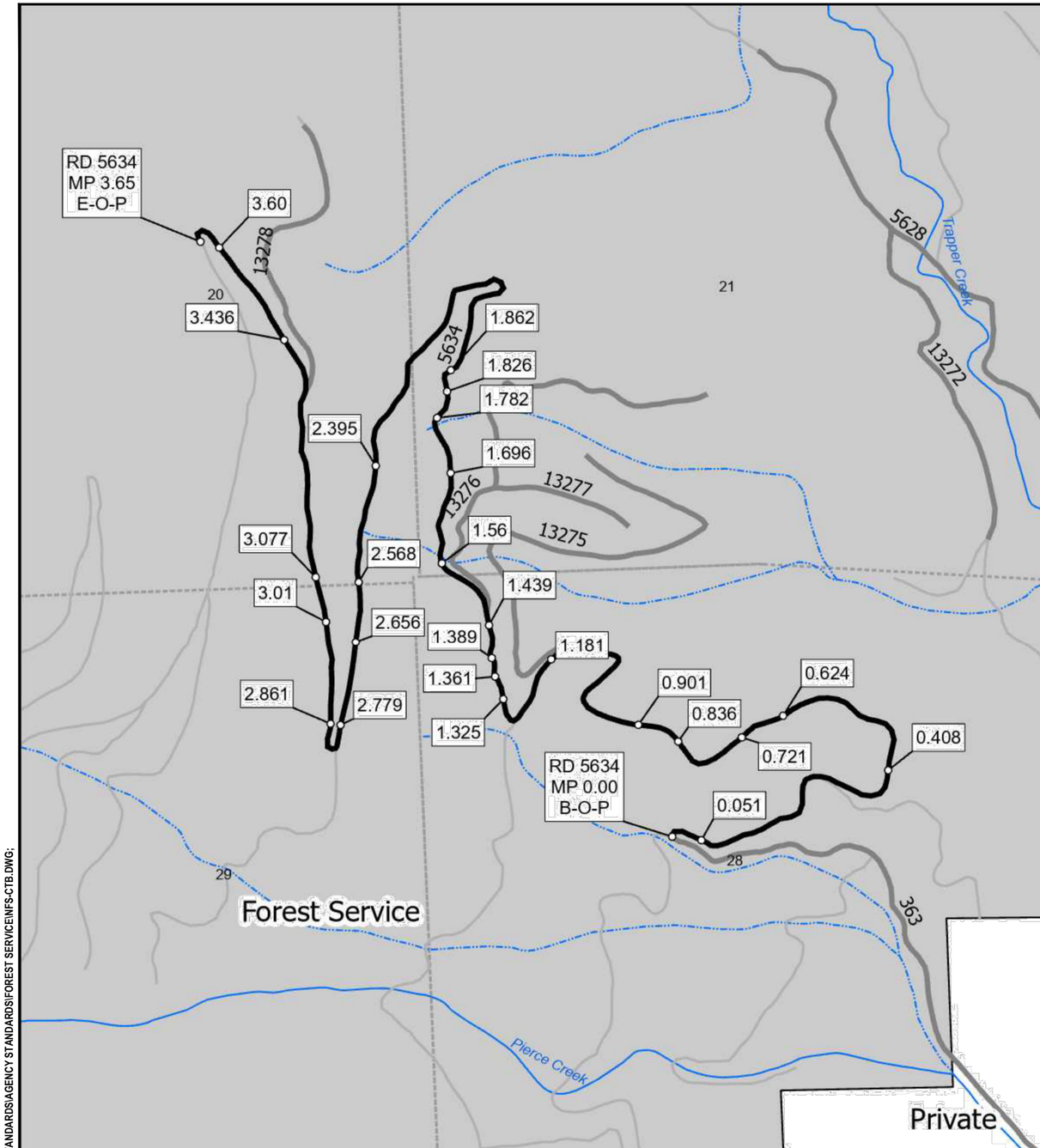
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
16 WORKLIST - 5627 - 62908

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	16	16 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road #	5634				
BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	3.65	30316	Roadway Reconditioning, Compaction Method 2	3.65	MI
0.051		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.408		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.624		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.721		None	Maintain Existing Drain Dip	-	-
0.836		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.901		None	Maintain Existing Drain Dip	-	-
1.181		None	Maintain Existing Drain Dip	-	-
1.325		None	Maintain Existing Drain Dip	-	-
1.361		None	Existing CMP, Draw Relief, Clean Inlet	-	-
1.389		None	Existing CMP, Draw Relief, Outlet Burried	-	-
1.439		None	Maintain Existing Drain Dip	-	-
1.560		None	Existing CMP, Draw Relief	-	-
1.696		None	Maintain Existing Drain Dip	-	-
1.782		None	Exsiting CMP, Draw Relief	-	-
1.826		None	Maintain Existing Drain Dip	-	-
1.862		None	Exsiting CMP, Draw Relief	-	-
2.395		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.568		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.656		None	Maintain Existing Drain Dip	-	-
2.779		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.861		None	Maintain Existing Drain Dip	-	-
3.010		None	Maintain Existing Drain Dip	-	-
3.077		None	Maintain Existing Drain Dip	-	-
3.436		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
3.600		None	Maintain Existing Drain Dip	-	-

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

USDA United States Department of Agriculture Forest Service

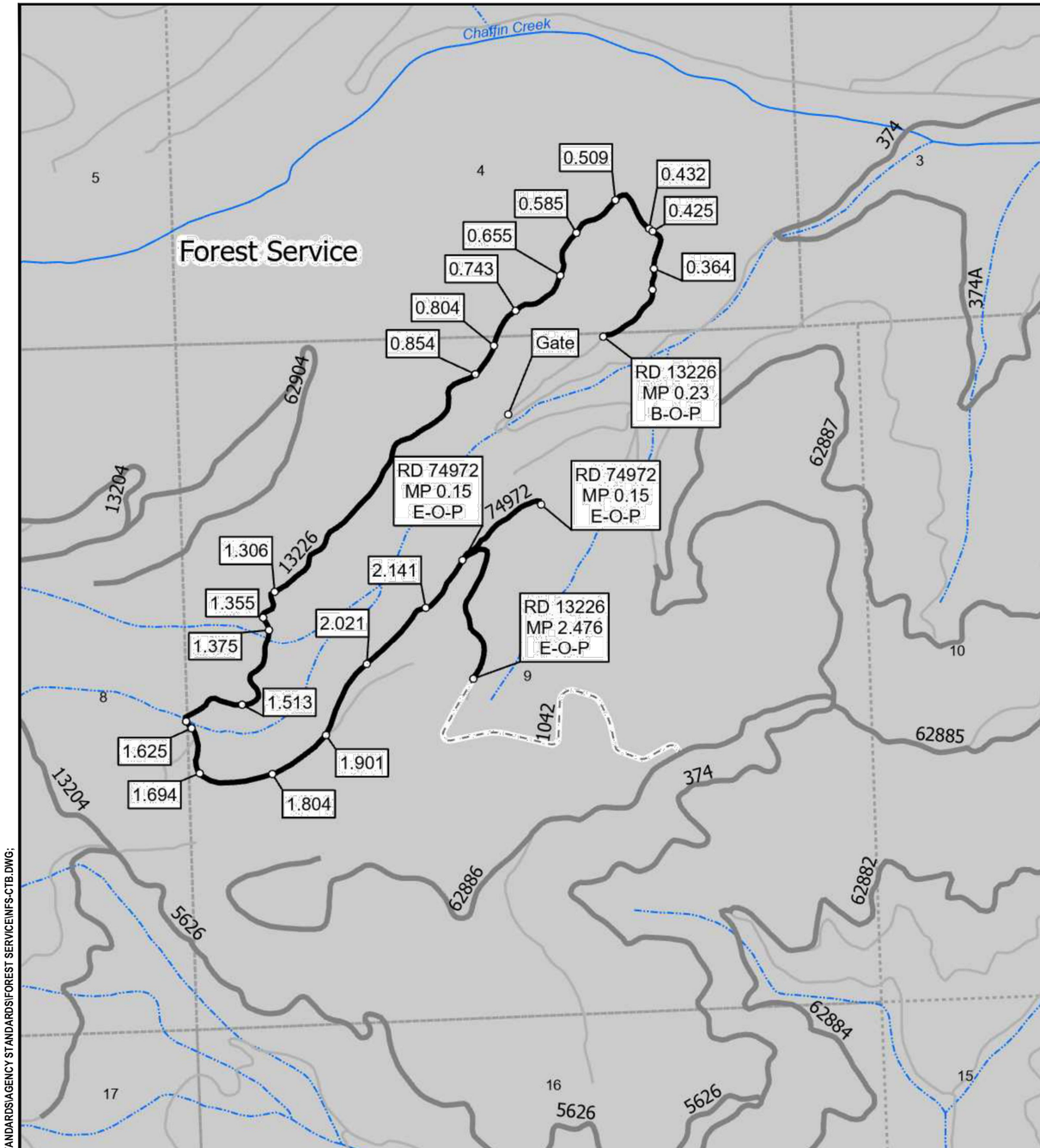
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 5634

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	17	17 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road # 13226

BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	2.48	20209	Selective Clearing, Type Roadside, Disposal Method (F)	2.48	MI
0.000	2.48	30316	Roadway Reconditioning, Compaction Method 2	2.48	MI
0.509		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.513		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.141		None	Severe outslope	-	-
1.901		None	Maintain Drainage in Existing Sag	-	-
0.585		None	Maintain Drainage in Existing Sag	-	-
1.694		None	Existing CMP, Draw Relief	-	-
1.306		None	Existing CMP, Draw Relief	-	-
1.804		None	Maintain Existing Drain Dip	-	-
0.364		None	Existing CMP, Ditch Relief	-	-
0.804		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.432		None	Existing CMP, Ditch Relief	-	-
1.355		None	Existing CMP Live Stream	-	-
0.049		None	Maintain Existing Drain Dip	-	-
0.655		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.743		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
2.021		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.425		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.854		None	Maintain Existing Drain Dip	-	-

Road # 74972

BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	0.15	21201	Linear Grading, Compaction Placement Method 3, Disposal Method (k)	0.15	MI

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture
Forest Service

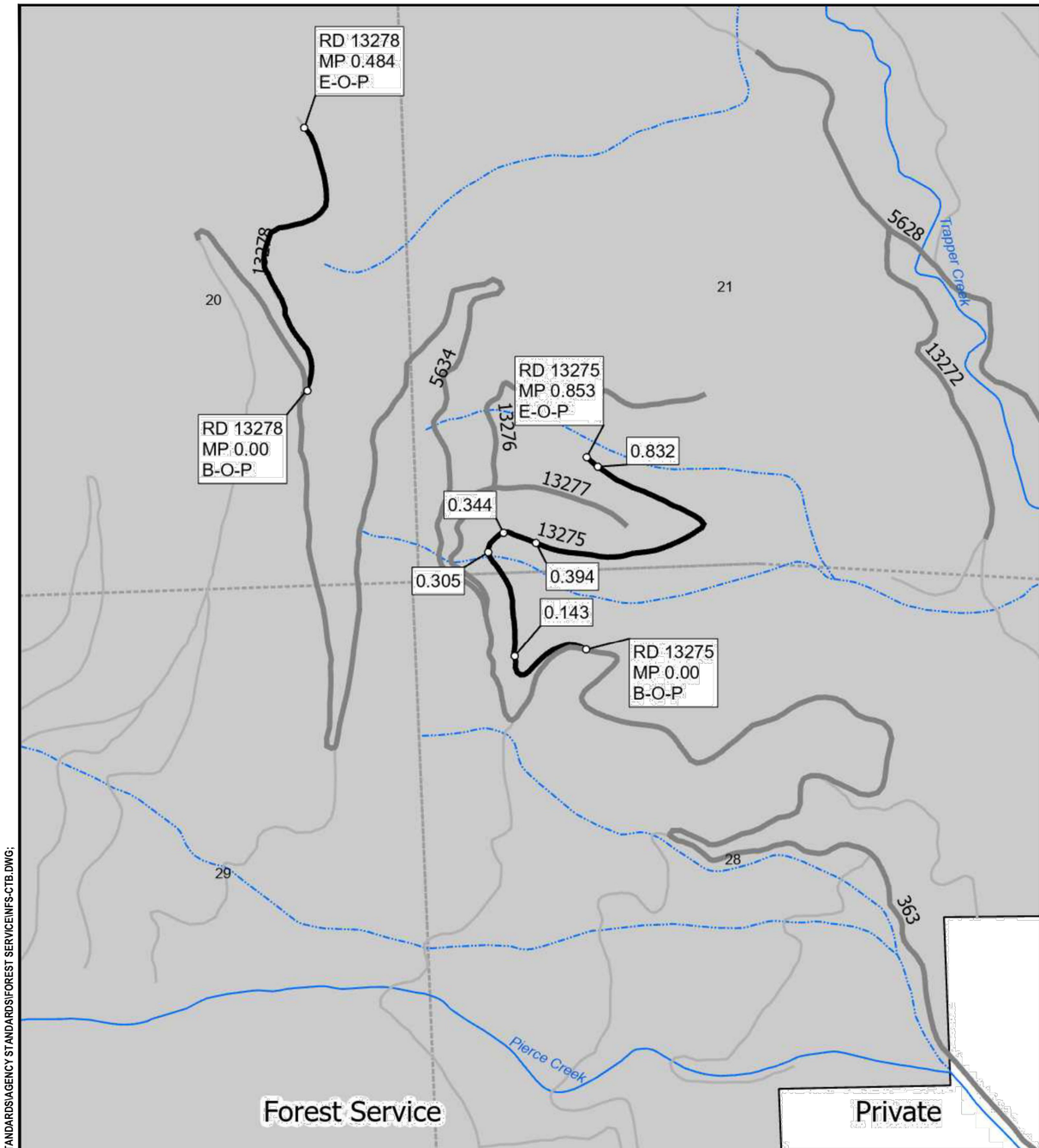
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 13226 - 74972

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	18	18 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road #	13275				
BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	0.85	20210	Special Clearing and Grubbing, Type Roadway, Disposal Method (k), Compaction Method 3	0.85	MI
0.000	0.85	30316	Roadway Reconditioning, Compaction Method 2	0.85	MI
0.143		None	Maintain Existing Drain Dip	-	-
0.305		15201	Drainage Stucture Survey and Staking	1	EA
0.305		60201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	40	LF
0.324		None	Existing CMP, Ground Water Intercept	-	-
0.344		None	Existing CMP, Draw Relief	-	-
0.394		None	Maintain Existing Drain Dip	-	-
0.414		None	Maintain Existing Drain Dip	-	-
0.497		None	Narrow 12 ft	-	-
0.832		None	Stump in prism grub	-	-

Road #	13278				
BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	0.48	20210	Special Clearing and Grubbing, Type Roadway, Disposal Method (k), Compaction Method 3	0.48	MI
0.000	0.48	30316	Roadway Reconditioning, Compaction Method 2	0.48	MI

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture
Forest Service

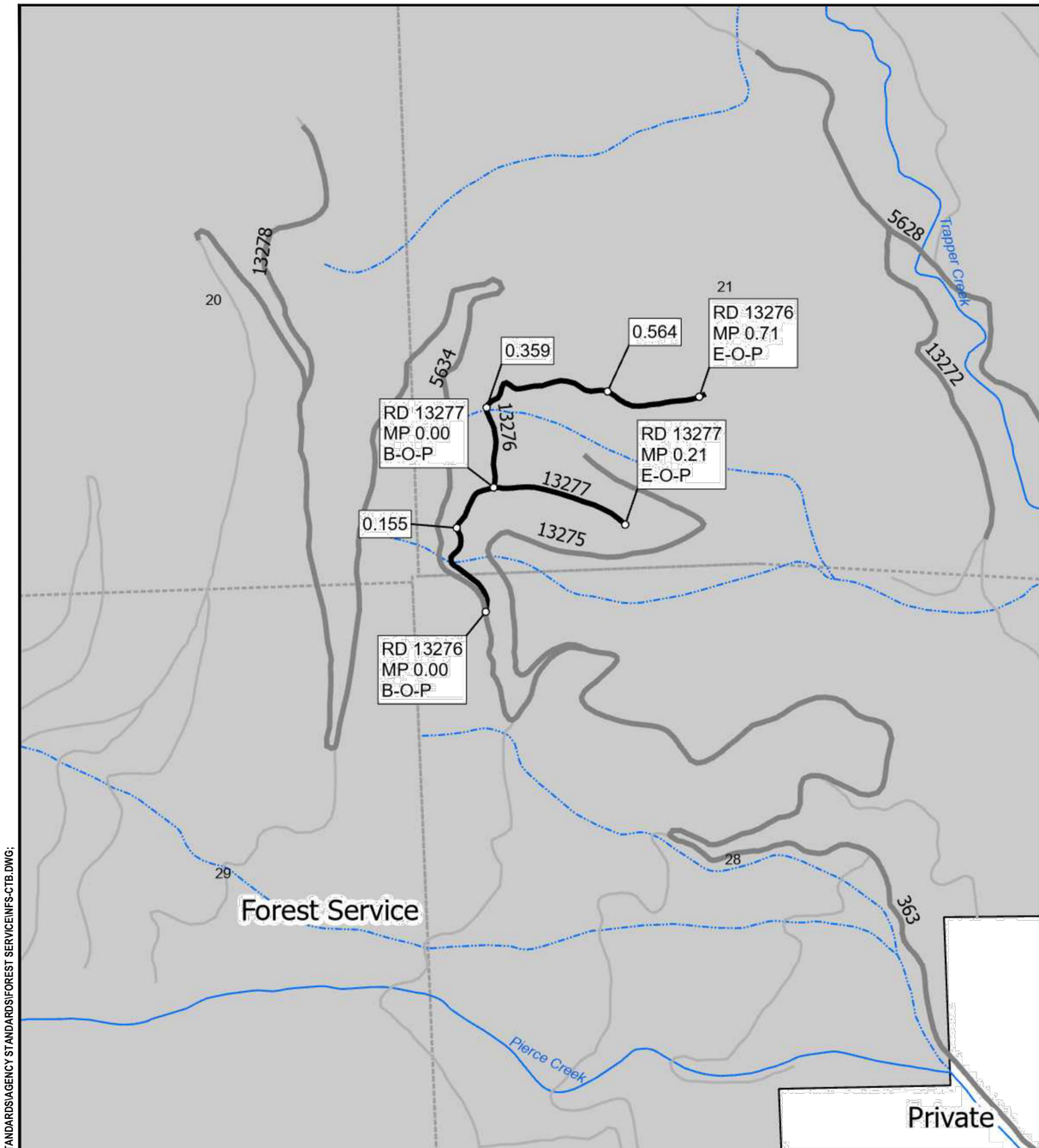
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 13275 - 13278

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	19	19 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road # 13276

BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	0.71	20210	Special Clearing and Grubbing, Type Roadway, Disposal Method (k), Compaction Method 3	0.71	MI
0.000	0.71	30316	Roadway Reconditioning, Compaction Method 2	0.71	MI
0.155		None	Existing CMP, Draw Relief	-	-
0.359		15201	Drainage Stucture Survey and Staking	1	EA
0.359		60201	18-inch pipe culvert, CMP, gage 16, Compaction Method 4	40	LF
0.564		None	Stump in Road Prism, Grub	-	-

Road # 13277

BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	0.21	20210	Special Clearing and Grubbing, Type Roadway, Disposal Method (k), Compaction Method 3	0.21	MI
0.000	0.21	30316	Roadway Reconditioning, Compaction Method 2	0.21	MI

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture
Forest Service

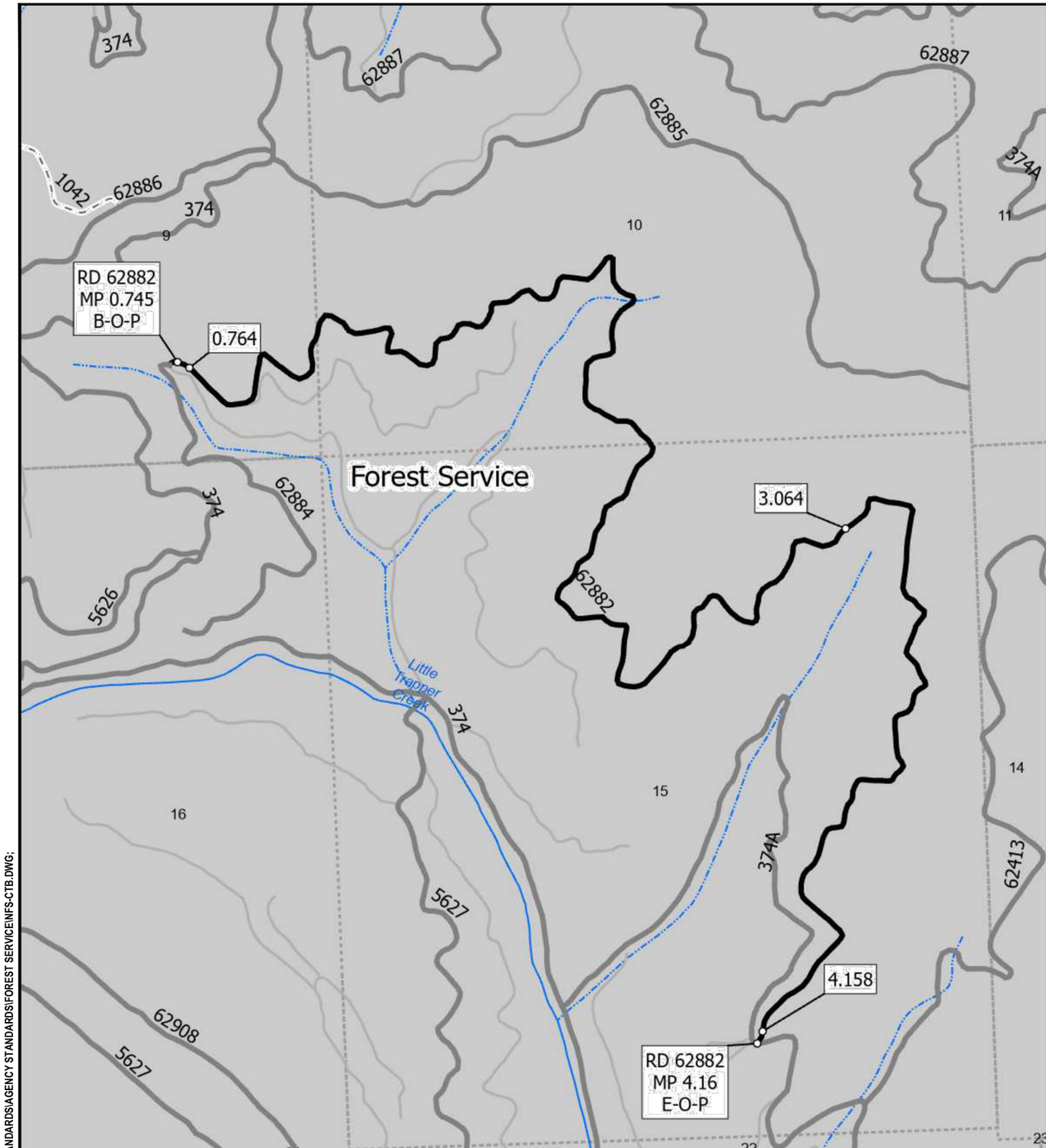
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 13276 - 13277

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	20	20 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road # 62882

BEG M.P.	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.754	4.178	20209	Selective Clearing, Type Roadside, Disposal Method (F)	3.42	MI
0.731	0.754	21201	Linear Grading, Compaction Placement Method 3, Disposal Method (k) - 120 LF Total	0.02	MI
0.754	4.178	30316	Roadway Reconditioning, Compaction Method 2	3.42	MI
0.764		15201	Drainage Stucture Survey and Staking	1	EA
0.764		60201	18-inch pipe culvert, CMP, gage 16, Compaction Method 2	38	LF
4.158			Existing Berm	-	-

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture
Forest Service

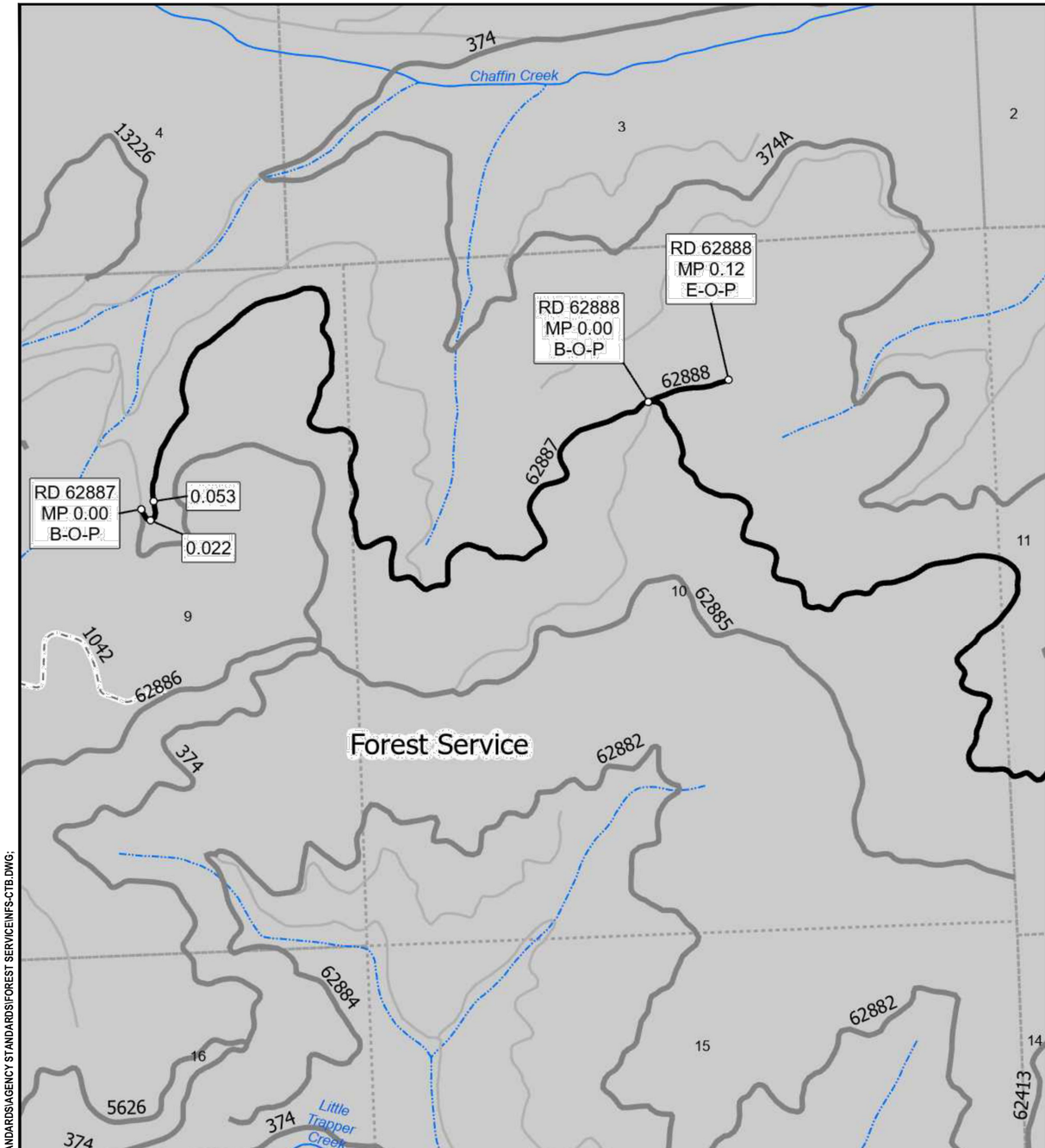
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 62882

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	21	21 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road #	62887				
BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	5.05	20209	Selective Clearing, Type Roadside, Disposal Method (F)	5.05	MI
0.000	5.05	30316	Roadway Reconditioning, Compaction Method 2	5.05	MI

Road #	62888				
BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	0.12	21201	Linear Grading, Compaction Placement Method 3, Disposal Method (k)	0.12	MI

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

USDA United States Department of Agriculture Forest Service

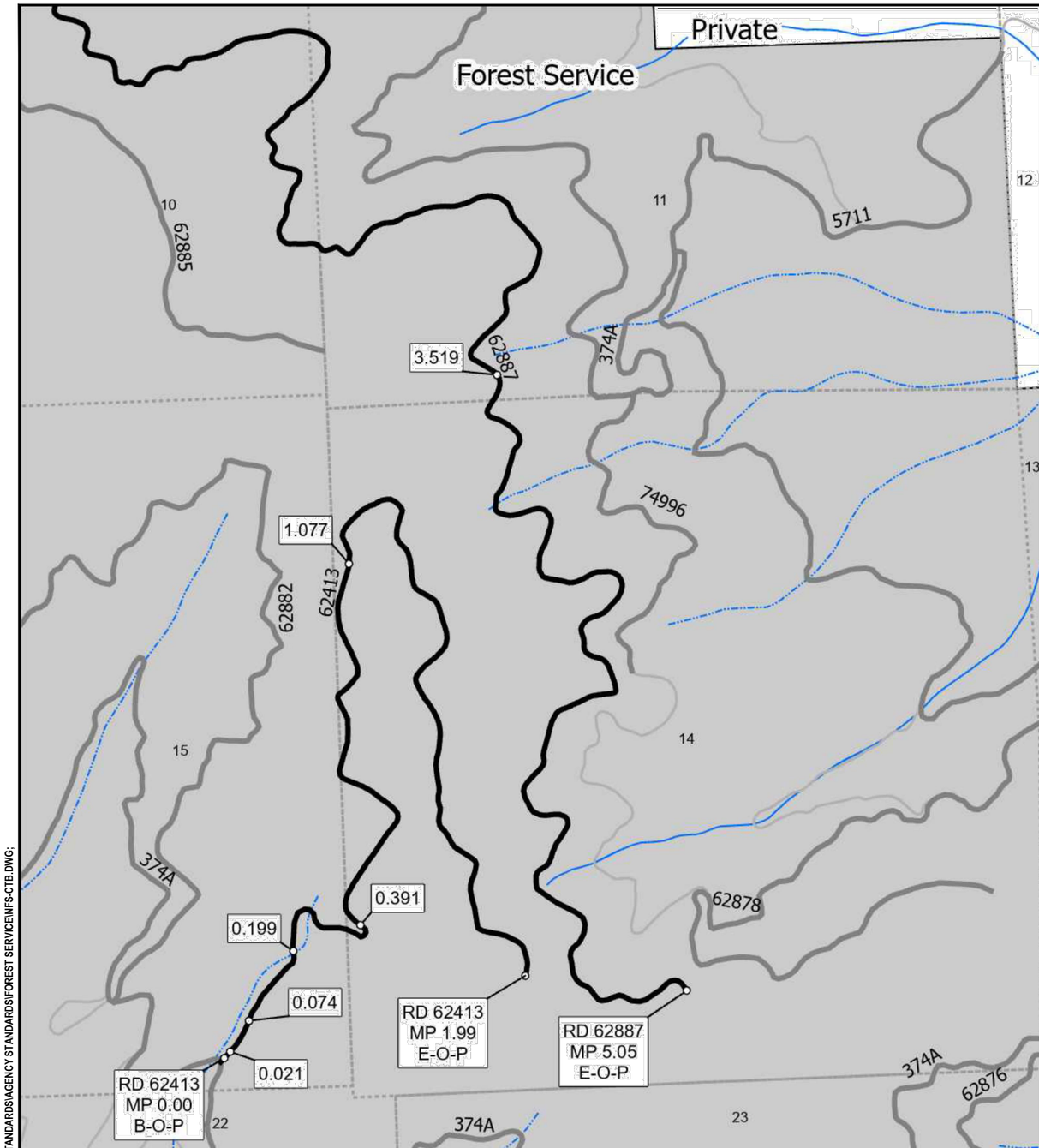
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 62887 - 62888

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	22	22 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road # 62413

BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	1.077	20209	Selective Clearing, Type Roadside, Disposal Method (F)	1.08	MI
0.000	1.077	30316	Roadway Reconditioning, Compaction Method 2	1.08	MI
0.074		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.199		15201	Drainage Stucture Survey and Staking	1	EA
0.199		60201	18-Inch Corrugated Metal Pipe, 16 Gage, Compaction Method 2	38	LF
0.391		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.077	1.99	21201	Linear Grading, Compaction Placement Method 3, Disposal Method (k)	0.91	MI

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\INFS-CTB.DWG;

USDA FOREST SERVICE

United States Department of Agriculture
Forest Service

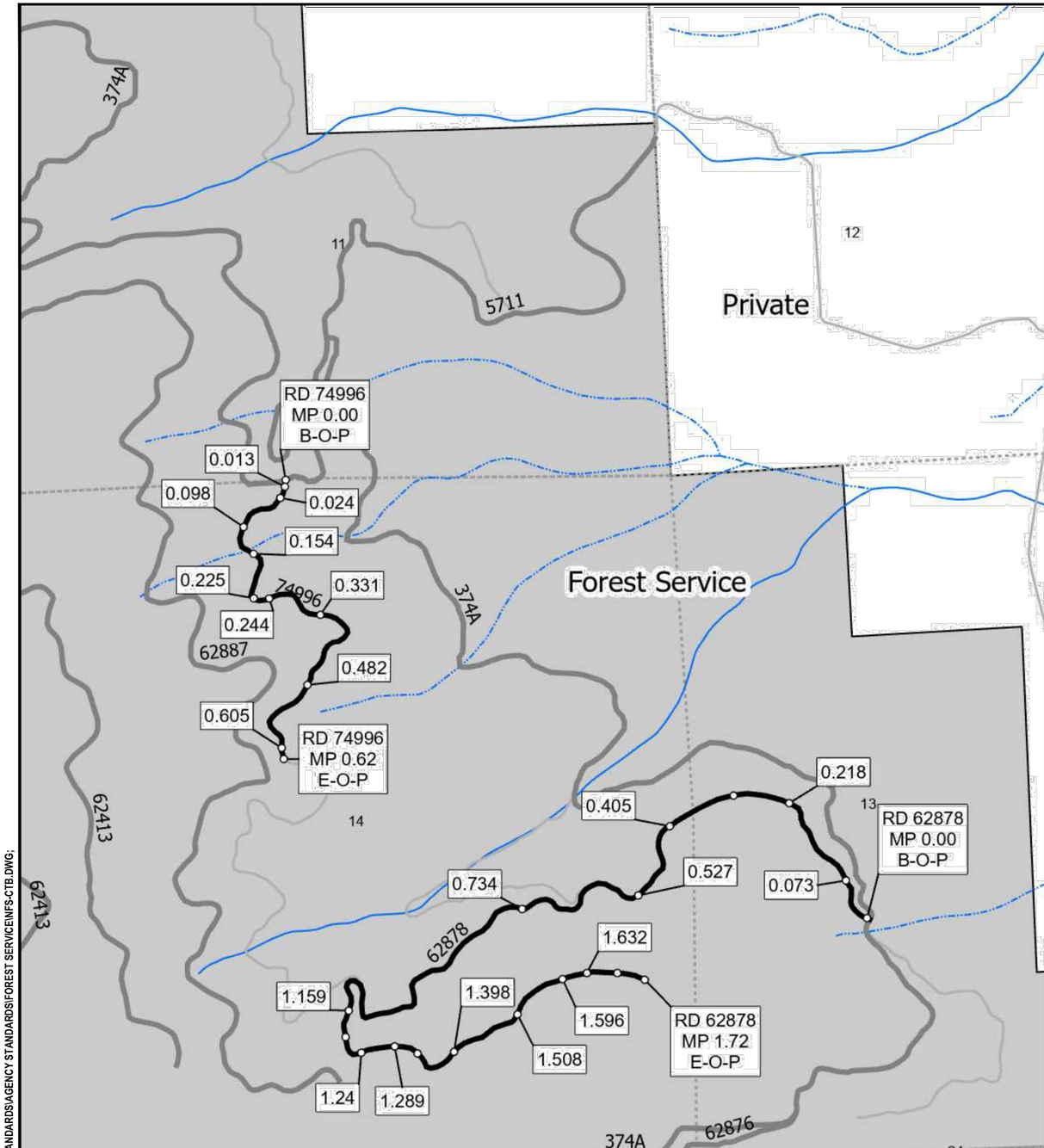
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 62887 - 62413

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	23	23 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road # 62878

BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	1.71	20209	Selective Clearing, Type Roadside, Disposal Method (F)	1.71	MI
0.000	1.71	30316	Roadway Reconditioning, Compaction Method 2	1.71	MI
0.017		None	Existing Berm	-	-
0.073		None	Maintain Existing drain dip	-	-
0.218		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.527		15201	Drainage Stucture Survey and Staking	1	EA
0.527		60201	18-Inch Corrugated Metal Pipe, 16 Gage, Compaction Method 2	38	LF
1.159		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
1.198		None	Maintain Existing Drain Dip	-	-
1.240		None	Maintain Existing Drain Dip	-	-
1.289		None	Maintain Existing Drain Dip	-	-
1.325		None	Maintain Existing Drain Dip	-	-
1.596		None	Maintain Existing Drain Dip	-	-
1.632		None	Maintain Existing Drain Dip	-	-
1.677		None	Maintain Existing Drain Dip	-	-

Road # 74996

BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	0.62	20209	Selective Clearing, Type Roadside, Disposal Method (F)	0.62	MI
0.000	0.62	30316	Roadway Reconditioning, Compaction Method 2	0.62	MI
0.013		None	Existing Berm	-	-
0.024		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.098		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.154		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.225		None	Existing CMP, Draw Relief	-	-
0.244		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.331		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.482		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA
0.605		20425	Drainage Excavation, Type II Drain Dip, Tolerance Class A, Compaction Method 2	1	EA

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

USDA FOREST SERVICE
United States Department of Agriculture
Forest Service

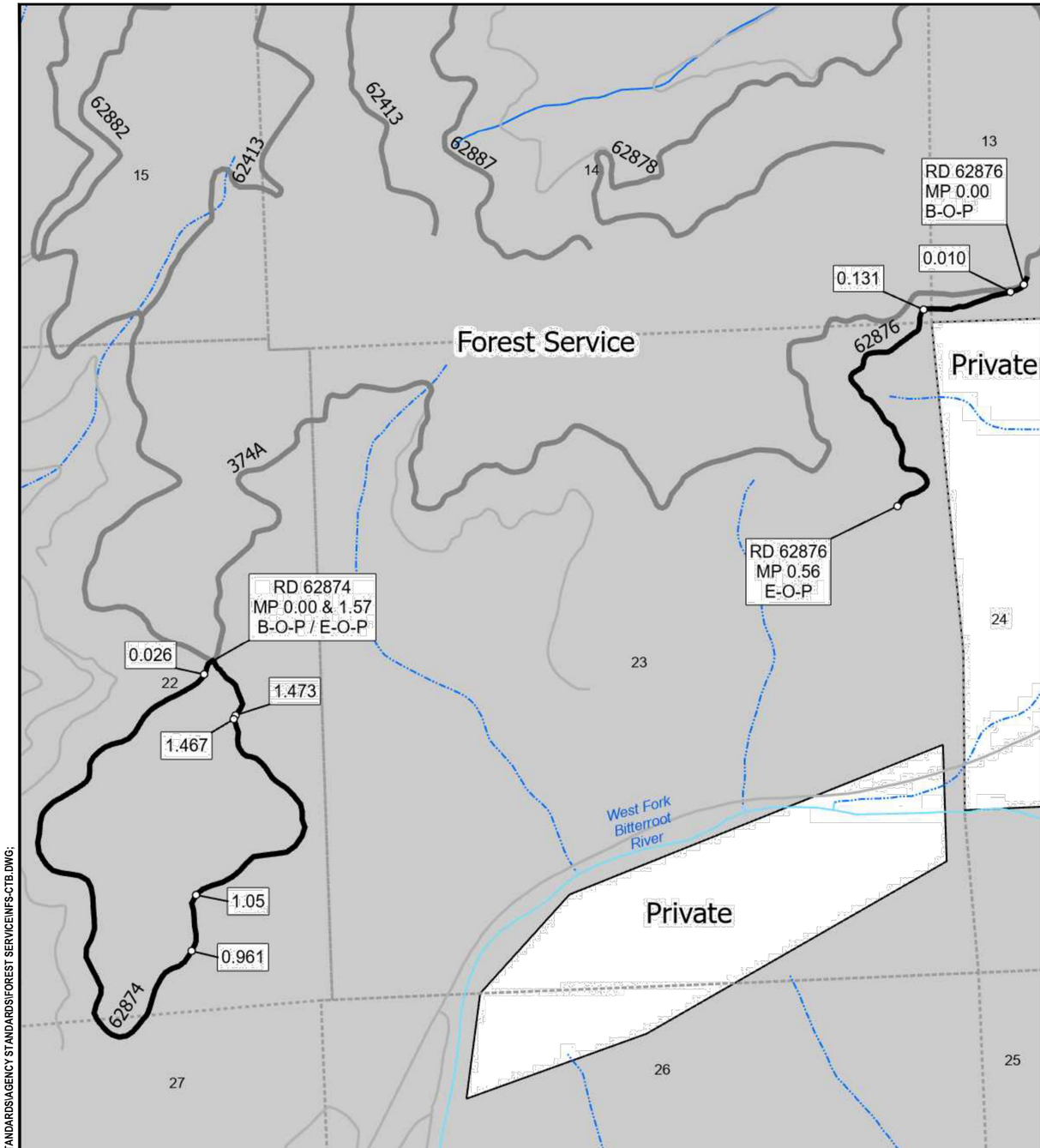
01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 62878 - 74996

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	24	27 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			



Road #	62874				
BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	1.57	20209	Selective Clearing, Type Roadside, Disposal Method (F)	1.57	MI
0.000	1.57	30316	Roadway Reconditioning, Compaction Method 2	1.57	MI
0.026		None	Existing Gate	-	-
0.961		None	Severe Outslope Section	-	-
1.050		None	Severe Outslope	-	-
1.467		None	Existing Berm	-	-
1.473		None	Existing Gate	-	-

Road #	62876				
BEG M.P,	END M.P.	PAY ITEM	WORK DESCRIPTION	QUANTITY	UNITS
0.000	0.56	21201	Linear Grading, Compaction Placement Method 3, Disposal Method (k)	0.56	MI
0.010		None	Existing Berm	-	-
0.131		None	Narrow in corner	-	-

9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

USDA United States Department of Agriculture Forest Service

01
NORTHERN REGION

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
WORKLIST - 62874 - 62876

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
DATE 10/15/2025	J.PINTOK	J. STUART	25	25 OF 27

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			

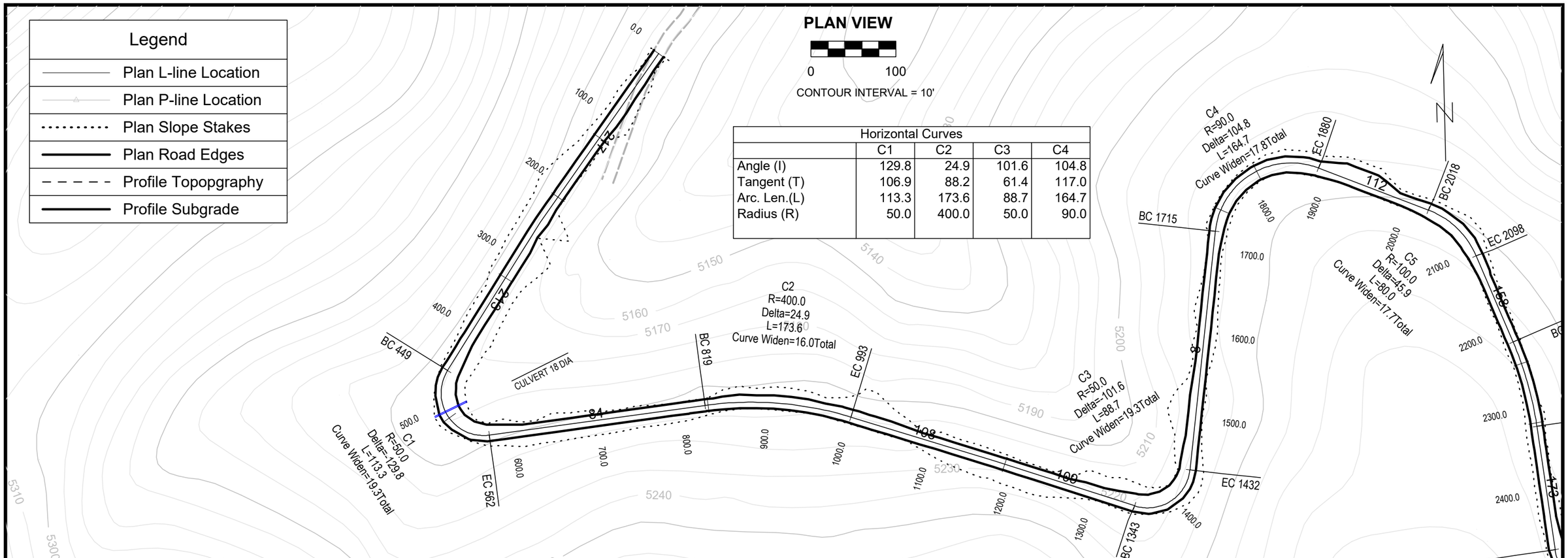
PLAN VIEW

0 100

CONTOUR INTERVAL = 10'

Legend
Plan L-line Location
Plan P-line Location
Plan Slope Stakes
Plan Road Edges
Profile Topopgraphy
Profile Subgrade

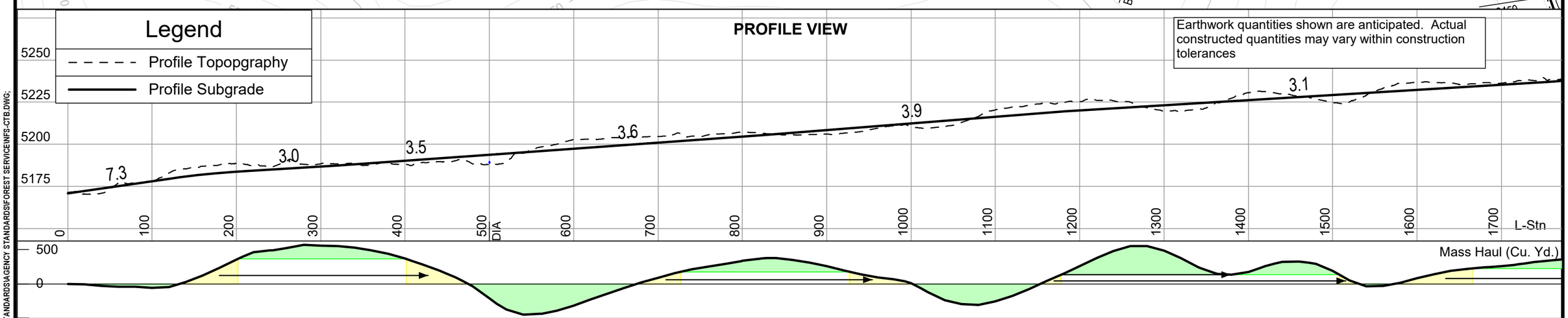
Horizontal Curves				
	C1	C2	C3	C4
Angle (I)	129.8	24.9	101.6	104.8
Tangent (T)	106.9	88.2	61.4	117.0
Arc. Len.(L)	113.3	173.6	88.7	164.7
Radius (R)	50.0	400.0	50.0	90.0



PROFILE VIEW

Legend
Profile Topopgraphy
Profile Subgrade

Earthwork quantities shown are anticipated. Actual constructed quantities may vary within construction tolerances



9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\NFS-CTB.DWG;

United States Department of Agriculture
Forest Service

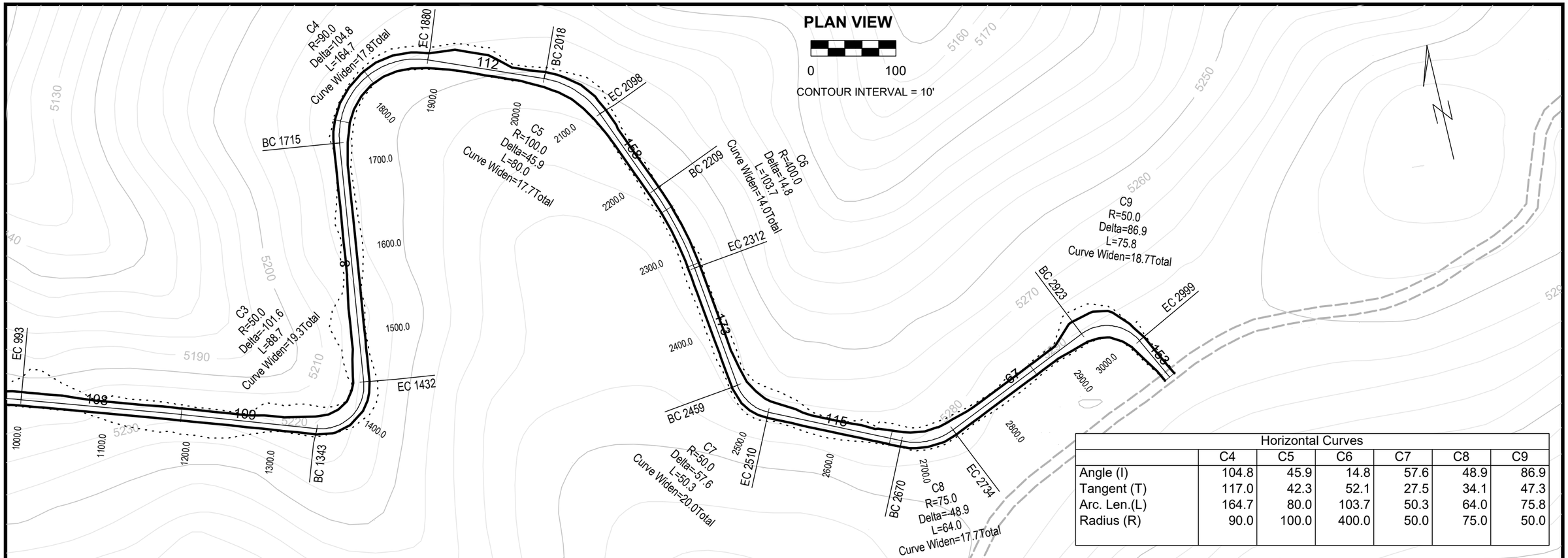
NORTHER REGION
01

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

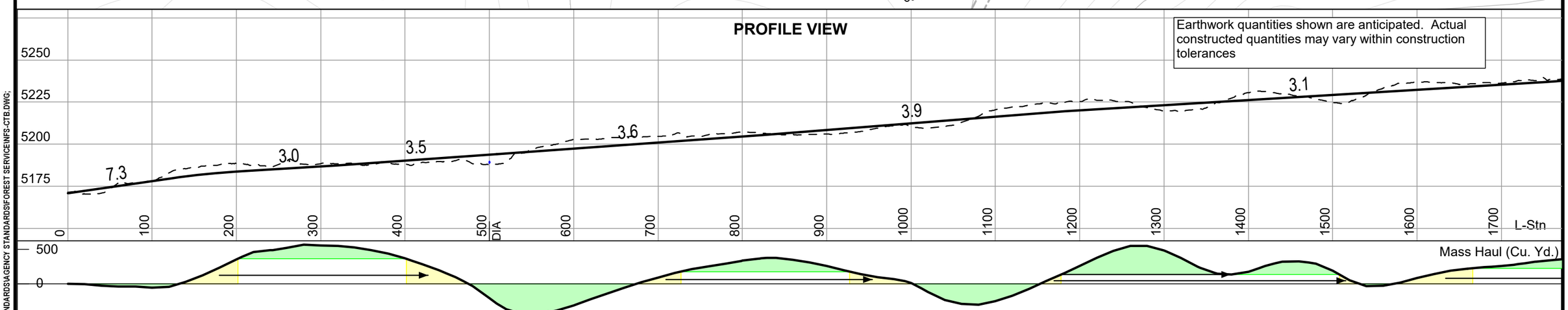
DRAWING TITLE
ROAD 1042 PLAN AND PROFILE DRAWINGS
HORIZONTAL AND VERTICAL CURVE TABLES

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
10/15/2025	PINTOK	RICHARDSON	26	26 OF 27

NO.	REVISION DESCRIPTION	DATE
△		
△		
△		



Horizontal Curves						
	C4	C5	C6	C7	C8	C9
Angle (I)	104.8	45.9	14.8	57.6	48.9	86.9
Tangent (T)	117.0	42.3	52.1	27.5	34.1	47.3
Arc. Len.(L)	164.7	80.0	103.7	50.3	64.0	75.8
Radius (R)	90.0	100.0	400.0	50.0	75.0	50.0



9/28/18 07:07 MARKL F:_CAD STANDARDS\AGENCY STANDARDS\FOREST SERVICE\INFS-CTB.DWG;

USDA FOREST SERVICE
United States Department of Agriculture
Forest Service

NORTHER REGION
01

PROJECT NAME
HART TRAP BMP PROJECT
BITTERROOT NATIONAL FOREST
DARBY RANGER DISTRICT

DRAWING TITLE
ROAD 1042 PLAN AND PROFILE DRAWINGS
HORIZONTAL AND VERTICAL CURVE TABLES

DATE	DESIGNER	CHECKED	DWG SHEET NO.	SHEET
10/15/2025	PINTOK	RICHARDSON	27	27 OF 27

NO.	REVISION DESCRIPTION	DATE
△		
△		
△		