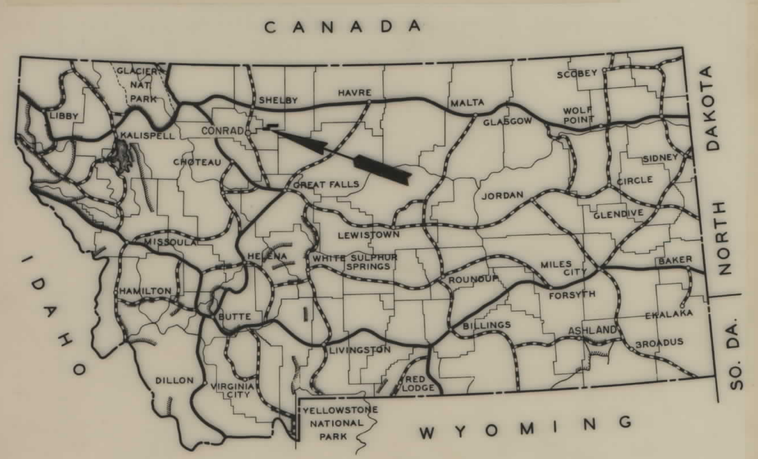
PLANS
NOT
TO
SCALE

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	MONTANA	A-AD 15(1), UNIT 1			1	30

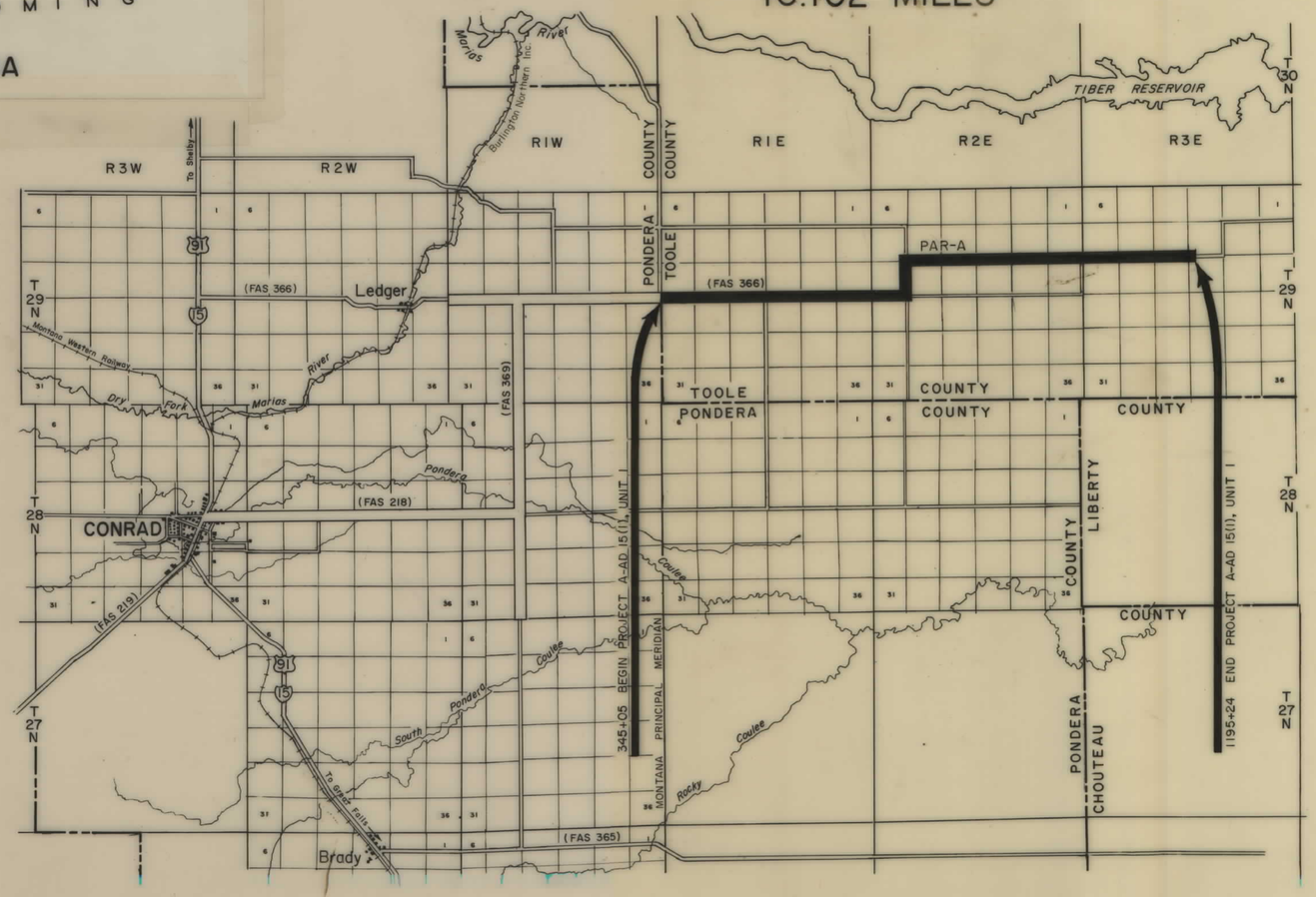
STATE OF MONTANA
STATE HIGHWAY COMMISSION

RIGHT OF WAY PLAN OF FEDERAL AID PROJECT NO. SAFEGUARD ACCESS ROADS PROJECT A-AD 15(1), UNIT 1

16.102 MILES



KEY MAP MONTANA



CONVENTIONAL SIGNS

- PROPOSED RIGHT-OF-WAY LINE.
- EXISTING RIGHT-OF-WAY LINE.
- CENTERLINE (℄) OR PROJECTED LINE.
- STK'D. CENTERLINE.
- PARCEL NUMBER. (2)
- OWNERSHIP BOUNDARY.
- R/W LINE FENCED.
- FENCE LINE (SHOW TYPE).
- SLOPE LIMIT - TOP OF CUT.
- SLOPE LIMIT - TOE OF FILL.
- STATE AND NATIONAL LINE.
- COUNTY LINE. (Name of County / Name of County)
- TOWNSHIP LINE.
- FOREST OR PARK BOUNDARY.
- SECTION LINE.
- 1/4 SECTION LINE.
- 1/16 SECTION LINE.
- UNFENCED PROPERTY.
- GOVERNMENT MEANDER LINE.
- FOUND SECTION CORNERS.
- PROJECTED SECTION CORNERS.
- FOUND 1/4 CORNERS.
- PROJECTED 1/4 CORNERS.
- CENTER OF SECTION
- EXISTING ROAD
- RAILROAD (NAME).
- EXISTING POWER POLES.
- RELOCATED POWER POLES.
- EXISTING TEL. OR TEL. POLES.
- RELOCATED TEL. OR TEL. POLES.
- EXISTING JOINT USE POWER & TEL. POLES.
- RELOCATED JOINT USE POWER & TEL. POLES.
- TEL. OR TEL.-OR POWER POLES TO BE MOVED.
- EXISTING TOWER (STEEL).
- RELOCATED TOWER (STEEL).
- NEW PIPES.
- OLD PIPES IN PLACE.
- CHANNEL CHANGES. CH. CHS.
- EXISTING GUARD RAIL.
- PROPOSED GUARD RAIL.
- MATERIALS TEST HOLE & NUMBER. ( )2
- STEAMS WITH BRIDGE.
- INTERMITTANT STREAMS.
- TRIANGULATION STATION "P" LINE POINT.

LEGEND

APPROX. RTE. | ESTAB. RTE. | GRADED | SURFACED | B.S.T. | PAVED

0 2 4 6
SCALE OF MILES

STATE HIGHWAY COMMISSION OF MONTANA

APPROVED:

_____ 19 _____

_____
STATE HIGHWAY ENGINEER

STATE OF MONTANA REGISTERED No. 1745 ES
LEWIS M. CHITTIM
CIVIL ENGINEER AND LAND SURVEYOR

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

_____ _____
DIVISION ENGINEER DATE

A-AD 15(1) U1 CONST SHT 1 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			2	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
7	ALICE M. MEULI ET AL.	721 3RD AVE. NW, GT. FALLS, MONT.		8.0 AC			6.2 AC	1.8 AC	2.4 AC
8	ROBERT M. IVERSON ET AL.	LEDGER, MONTANA		4.9 AC			3.0 AC	1.9 AC	0.4 AC
9	ALICE M. MEULI ET AL	SPOKANE, WASHINGTON							0.6 AC

SE¼ SE¼ SEC. 13

7

S 89°24'E

0.3 AC

340

345

343+00 END 30' SLOPE PERMIT

20.0' R/T TO SEC COR. T29N R1W

D

345+06 -6%

MONTANA PRINCIPAL MERIDIAN

P345+05.79

345+05.68

T29N R1E

346+00 BEG. 10' SLOPE PERMIT

Existing 24"x70' CMP

0.1 AC

Right-of-Way Line

Existing Right-of-Way Line

350

350+00 END 10' SLOPE PERMIT

LOT 4 SEC. 18 (40.06 AC)

355

357+00 BEG 20' SLOPE PER.

N 89°45'30"E

0.3 AC

8

360

364+00 END 20' SLOPE PER.

P 364+35.54

SE¼ SW¼ SEC. 18

365

370

60'

50'

70'

18

19

24

0-19 & 2-17 Site Signs

FASS 107(5) Conc. Mon & Farm Sign

343+00 END SLOPE PER.

PONDERA COUNTY

TOOLE COUNTY 345+08

7

D

345+06 -6%

NE¼ NE¼ SEC. 24

347+09 NEW 24" DIA. 347+13 NEW 24" DIA.

LOT 1 SEC. 19 (40.22 AC.)

352+00 BEG 10' SLOPE PER.

9

NE¼ NW¼ SEC. 19

367+00 END 10' SLOPE PER.

345+05 BEGIN PROJECT A-AD 15(1) UNIT 1

PAR-A SAFEGUARD ACCESS ROADS

Salvage existing 24" Culvert

PLAN

BY	DATE
J. Bosche	12-63
R. Leighton	12-63
	12-63
R. Giles	
Drafting	

SURVEYED
DRAWN
ALIGNMENT CHECKED
QTY. OF MATL. CHECKED
Drafting
WITH BOOK
NO.

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 2 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			3	30

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
8	FRANK M. IVERSON ET AL	CONRAD, MONTANA		4.9 AC			3.0 AC	1.9 AC	0.4 AC
9	ALICE M. MEULI ET AL	721 3RD AVE. NW, GT. FALLS, MONT.							0.6 AC
10	MARIA WILSON KULZER ET AL			15.2 AC			10.6 AC	4.6 AC	1.9 AC
11	ANN KLOBUCHER ET AL	SPOKANE, WASHINGTON							0.2 AC

PAR-A

SE¼SW¼ SEC. 18 (8) — SW¼SE¼ SEC. 18 — T29N R1E — (10) — SE¼SE¼ SEC 18 — SW¼SW¼ SEC. 17

NE¼NW¼ SEC 19 — NW¼NE¼ SEC. 19 (9) — NE¼NE¼ SEC. 19 — NW¼NW¼ SEC 20 (11)

E — 371+67 -6% — 220.0' RT. TO ¼ COR — 373+00 BEG. 40' SLOPE PERMIT — 375 — N89°45'30"E 1.1 AC — 380 — Pl. 381+10.71 Δ=0°04' Rt No Curve — 385 — 385+00 END 40' SLOPE PERMIT — N89°49'30"E — 390 — 391+00 BEG 10' SLOPE PERMIT — Line To Be Constructed — Right-of-Way Line — 0.1 AC — 395 — 397+00 END 10' SLOPE PERMIT — 398-34 -3% — 20.0' RT. TO SEC. COR — 400

Existing 15'x70' CMP

370

60' 50' 70' 50'

18 19 20

0.3 AC — Existing Right-of-Way Line — Line As Staked

R/W USE EXISTING R/W RIGHT

371+35 — 321+00 BEG. 10' SLOPE PER. — 384+00 END 10' SLOPE PER. — 397+64

370+77 24" Culvert Salvage Existing 15" Culvert

SLOPE LIMITS	
TOP OF CUT	
TOE OF FILL	
MAP TRANS. TO R/W	
MAP REVISED	
B.P.R. APPROVAL	

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED

PLAN — DRAFTED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED — RATE — NOTE BOOK — NO.

A-AD 15(1) U1 CONST SHT 3 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			4	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
10	MARIA WILSON KULZER ET AL	721 3RD AVE. NW, GT. FALLS, MONT.		15.2 AC			10.6 AC	4.6 AC	1.9 AC
11	ANN KLOBUCHER ET AL	SPOKANE, WASHINGTON							0.2 AC

T29N R1E

SW¼ SW¼ SEC. 17 — SE¼ SW¼ SEC. 17 — SW¼ SE¼ SEC. 17

NW¼ NW¼ SEC. 20 — NE¼ NW¼ SEC. 20 — NW¼ NE¼ SEC. 20

N89°49'30"E

400 405 410 415 420 425 430

402+00 BEG. 50' SLOPE PERMIT

POT 406+10.71

407+00 END 30' SLOPE PERMIT

0.6 AC

0.2 AC.

401+00 BEG. 10' SLOPE PERMIT

P POT 406+00.00

408+00 END 10' SLOPE PERMIT

424+02

424+10 -10% (E)

424+10 -1% (E)

20.0' RT. TO ¼ COR.

Right-of-Way Line

Existing Right-of-Way Line

Line To Be Constructed

Line As Staked

Existing Right-of-Way Line

R/W USE EXISTING R/W RIGHT

N 0°25' W 2 Strand Barbed Wire Fence On Set Line

424+10 18" Culvert Road Approach Rt.

(10) (11) (10)

60' 70' 50' 50' 60' 50' 50'

SLOPE LIMITS	STATE OF MONTANA
TOP OF CUT ———	STATE HIGHWAY COMMISSION
TOE OF FILL - - - - - - - - -	LAND REQUIRED FOR RIGHT OF WAY
MAP TRANS. TO R/W ———	COUNTY
MAP REVISED ———	
B.P.R. APPROVAL ———	SCALE 1"=100' MAP COMPLETED ———

PLAN — DRAFTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, WITH RIDGE, NO.

DATE BY

A-AD 15(1) U1 CONST SHT 4 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			5	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P. T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
10	MARIA WILSON KULZER ET AL.	721 3rd AVE. NW, GREAT FALLS, MONT.		15.2 AC			10.6 AC	4.6 AC	1.9 AC
12	R. M. & B. K. ECKSTEIN	LEDGER, MONTANA		10.9 AC			7.6 AC	3.3 AC	2.0 AC
13	MABEL M. ANGUS ET AL.								0.3 AC

SW¼SE¼ SEC. 17

(10)

435+00 BEG. 10' SLOPE PERMIT

Existing 36"x68' CMP

0.1 AC

438+00 END 10' SLOPE PERMIT

SE¼SE¼ SEC. 17

440+00 BEG. SLOPE PERMIT

0.7 AC

442.66' Conc. Monument with Brass Cap

443+00

P.O.T. 443+28.00

444+00 END SLOPE PERMIT

185'

Material Stockpile

Pond

T29N R1E

16' County Road to farm house

N 0°04' W

450+34 +4%

(F)

(12)

SW¼SW¼ SEC. 16

P.O.T. 456+10.71

430 435 440 445 450 455 460

Existing Right-of-Way Line

Right-of-Way Line

N 89°49'30" E

Line To Be Constructed

14.0' RT. TO SEC. COR

Abandoned Fence

Existing Right-of-Way Line

Q-2 Sign

Stop Sign

Underground Telephone

Sewer Pipe

GATE VALVE INTERFACE POINT

UNDERGROUND TEL. CABLE MIN. COVER 3.0' Three Rivers Telephone Co-op Inc.

Line As Staked

UNDERGROUND WATER LINE MIN. COVER 6.5'

Post C-9 Underground Cable

Marias River Electric Co-op. Inc. Power Line

Settling Pond

5 Strand Barbed Wire Fence around pond

443+28 -2%

R/W USE EXISTING R/W RIGHT

NW¼NE¼ SEC. 20

NE¼NE¼ SEC. 20

(10)

(F)

437+11

N 0°05' W

437+14 Salvage 6' of existing culvert Right & Extend existing 36" Culvert 16' Left

10' Haul Road

450+38

450+34 +10%

(F)

450+34 18" Culvert Road Approach Lt.

NW¼NW¼ SEC. 21

(13)

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
BY

A-AD 15(1) U1 CONST SHT 5 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD15(1) Unit 1			6	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
12	R. M. & B. K. ECKSTEIN	LEDGER, MONTANA		10.9 AC			7.6 AC	3.3 AC	2.0 AC
13	MABEL M ANGUS ET AL								0.3 AC
14	DAVID RATZBURG & SON	LEDGER, MONTANA		13.2 AC			8.9 AC	4.3 AC	2.3 AC

SW¼ SW¼ SEC. 16 | SE¼ SW¼ SEC. 16 | SW¼ SE¼ SEC. 16

T29N R1E

(12)

463+72

464+00 BEG. 15' SLOPE PER.

467+00 END 15' SLOPE PER.

P 469+19.03

N 0°00' W

¼ COR. 20.0' PT. 476+99.0

483+00 BEG 25' SLOPE PER.

PI 483+47.76

490+00 END 25' SLOPE PERMIT

460 | 465 | 470 | 475 | 480 | 485 | 490

N 89°49'30" E

S 89°12'30" E

Right-of-Way Line

0.1 AC

0.4 AC

Existing Right-of-Way Line

Line To Be Constructed

60' | 50' | 20' | 50' | 60'

UNDERGROUND TEL. CABLE MIN. COVER 3.0'

UNDERGROUND WATER LINE MIN. COVER 6.5'

Manhole (Water Line)

0.3 AC

Existing Right-of-Way Line

Marker for Underground Telephone Cable

Line As Staked

0.2 AC

R/W USE EXISTING | R/W RIGHT

463+00 BEG. 10' SLOPE PER.

474+00 END 10' SLOPE PER.

PC. 480+57.75

R/W 483+00

Δ= 0°58'
D= 0°10' C.R.
L= 580.00
T= 290.01
R= 34,376.79
e= 2% Crown

484+00 BEG. 10' SLOPE PER.

PT. 486+37.75

488+65 +10%

D

488+65 18" Culvert Road Approach Rt.

NW¼ NW¼ SEC. 21 | NE¼ NW¼ SEC. 21 | NW¼ NE¼ SEC. 21

(13) | (14)

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED

PLAN
NOTE BOOK
NO.

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 6 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS CONST. NO.	FED. AID PROJECT NUMBERS R/W NO.	STATE NO.	SHEET NO.	TOTAL SHEETS
8	Montana	A-AD15(1),Unit 1			7	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT	P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
12	R. M. & B. K. ECKSTEIN	LEDGER, MONTANA		10.9 AC		7.6 AC	3.3 AC	1.6 AC
14	DAVID RATZBURG & SON	LEDGER, MONTANA		13.2 AC		8.9 AC	4.3 AC	2.3 AC
15	M. W. & E. J. RATZBURG	SHELBY, MONTANA						0.6 AC

SW4 SE4 SEC. 16

SE4 SE4 SEC. 16 (12)

SW4 SW4 SEC. 15 (15)

SE4 SW4 SEC. 15

T29N R1E

490+36

490+00 END 25' SLOPE PER.

496+00 BEG. 40' SLOPE PER.

503+61 END 40' SLOPE PER.

N 0°13' W

28' County Road

F

503+62 6%

Power Line Crossing Elev 3466.19 4 Wire

P 502+60.01

502+89

210'

School District No. 22

Pole W/ Transformer

Toilets

58'

210'

20+00 Easy 30' Slope Rt.

SW4 SW4 End 30' Slope Rt.

PC 511+02.53 R/W

Δ=0°47'30"
D= 0°10' CL.
L= 475.00
T= 237.50
R= 34,376.79
e= 2% Crown

PT. 515+77.53

516+79

Existing 36"x 63' CMP

Line To Be Constructed

R/W Line

S 89°12'30"E

0.7 AC

R/W 503+61

R/W — USE — EXISTING

R/W — LEFT

N 90°00'E

490

495

500

505

510

515

520

60'

50'

70'

Existing R/W Line

0.3 AC

3 mail boxes

School Bus Stop Sign

Existing R/W Line

R/W USE EXIST. R/W RIGHT

Line As Staked

Marias River Electric Co-op Inc. Power Line

Three Rivers Telephone Co-op Underground Cable-Buried 3' min.

0.9 AC

Buried Telephone Cable

Marker Post C-6 Telephone Cable

Directional Sign

0.1 AC

0.1 AC

NW4 NE4 SEC. 21

R/W 491+00 END 10' SLOPE PER.

491+00 BEG. 40' SLOPE PER.

NE4 NE4 SEC 21

SEC. COR. 503+62.10 LT.

503+35 Power Line Crossing Elev. 3471.99 4 Wire Telephone Line Crossing Elev. 3465.69 4 Wire

505+00 END 90' SLOPE PER.

507+00 BEG. 10' SLOPE PER.

NW4 NW4 SEC. 22

(14)

512+00 END 10' SLOPE PER.

Pl. 513+40.03

517+00 BEG. 10' SLOPE PER.

517+26 NEW 36" DIA. (EXIST. 34" RD)

NE4 NW4 SEC. 22

24' County Road

503+62 18" Culvert Road Approach Rt.

F

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

PLAN
SUBMITTED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE

A-AD 15(1) U1 CONST SHT 7 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			8	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
14	DAVID RATZBURG & SON	LEDGER, MONTANA		13.2 AC			8.9 AC	4.3 AC	2.3 AC
15	M.W. & E.J. RATZBURG	LEDGER, MONTANA							0.6 AC
16	ELEANOR J. RATZBURG	LEDGER, MONTANA							0.8 AC

SE¼ SW¼ SEC. 15

SW¼ SE¼ SEC. 15

SE¼ SE¼ SEC. 15

T29N R1E

N 0° 13' W

P.O.T. 525+00.

(D) 529+75 -10%

523+00 BEG. 20' SLOPE PER.

(15)

(16)

P.I. 538+86.03 Δ = 0°08'30" Lt. No Curve

542+00 END 20' SLOPE PER.

520 525 530 535 540 545 550

R/W USE EXISTING R/W LEFT

N 90°00'E

N 89°51'30"E

Existing 24"x62' CMP

0.3 AC

Existing Right-of-Way Line 0.6 AC

22

Existing Right-of-Way Line

Right-of-Way Line

0.8 AC

0.2 AC

50' 50' 60' 50' 50' 60'

523+00 END 10' SLOPE PER.

529+94.2 ¼ COR. 23.0' LT.

(14)

535+00 BEG. 50' SLOPE PER.

542+00 END 50' SLOPE PER.

547+00 BEG. 20' SLOPE PER.

549+79 Extend existing 24" Culvert 12 Lt. & 44' Rt.

549+83 24" Culvert

NE¼ NW¼ SEC. 22

NW¼ NE¼ SEC. 22

NE¼ NE¼ SEC. 22

SLOPE LIMITS
TOP OF CUT ——
TOE OF FILL - - - - - -

MAP TRANS. TO R/W
MAP REVISED
B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT OF WAY CHECKED
BY
DATE

A-AD 15(1) U1 CONST SHT 8 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			9	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
14	DAVID RATZBURG & SON	LEDGER, MONTANA		13.2 AC			8.9 AC	4.3 AC	2.3 AC
16	ELEANOR J. RATZBURG	LEDGER, MONTANA							0.8 AC
17	ELMA CROCKETT ET AL	ROSALIA, WASHINGTON		10.0 AC			6.1 AC	3.9 AC	0.9 AC
18	FIRST TRUST CO. OF MONTANA	GREAT FALLS, MONTANA							0.9 AC

SURVEYED
PLOTTED
LAYOUT CHECKED
BY OF PLAT CHECKED
PLAN
SITE BOOK
NO.
DATE
BY

SE¼ SE¼ SEC 15 | SW¼ SW¼ SEC. 14 | SE¼ SW¼ SEC 14

16 | 18

Existing 24"x62' CMP

552+00 BEG. 20' SLOPE PER.

R/W — USE — EXISTING — R/W — LEFT

556+13 +6% (F)

P 556+12.90

N 0°12' W

22' County Road

552+00 END 20' SLOPE PER.

0.2 AC

Mail Boxes

0.1 AC

Existing 24"x60' CMP

N 89°51'30" E

Existing Right-of-Way Line

567+50 BEG. 30' SLOPE PER.

Line As Staked

563+58

P.I. 570+39.04
Δ = 0°17' Rt
No Curve

P.O.T. 570+39.98

570+75 +10% (D)

Existing 18"x36' CMP

0.8 AC

S 89°51'30" E

579+50 END 30' SLOPE PER.

Existing Right-of-Way Line

Right-of-Way Line

0.3 AC

Line To Be Constructed

0.3 AC

552+00 END 20' SLOPE PER.

(F) 556+13 +6%

(14)

(17)

566+50 END 15' SLOPE PER.

563+50 BEG. 30' SLOPE PER.

573+50 END 30' SLOPE PER.

NE¼ NE¼ SEC. 22

N 0°12' W

556+21

Sec. Cor. 22 & 23

32' County Road

552+00 BEG. 15' SLOPE PER.

NW¼ NW¼ SEC. 23

T29N R1E

NE¼ NW¼ SEC 23

549+79 Extend Existing 24" Culvert Rt.
549+83 24" Culvert

558+57 Extend existing 24" Culvert 42' Right
558+61 24" Culvert

570+75 18" Culvert Road Approach Lt.

SLOPE LIMITS	STATE OF MONTANA
TOP OF CUT ———	STATE HIGHWAY COMMISSION
TOE OF FILL - - - - - - - - -	LAND REQUIRED FOR RIGHT OF WAY
MAP TRANS. TO R/W ———	COUNTY
MAP REVISED ———	SCALE 1"=100' MAP COMPLETED ———
B.P.R. APPROVAL ———	

A-AD 15(1) U1 CONST SHT 9 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS CONST. NO.	FED. AID PROJECT NUMBERS R/W NO.	STATE NO.	SHEET NO.	TOTAL SHEETS
8	Montana	A-AD 15(1), Unit 1			10	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
17	ELMA CROCKETT ET AL.	ROSALIA, WASHINGTON		10.0 AC			6.1 AC	3.9 AC	0.9 AC
18	FIRST TRUST CO. OF MONTANA	GREAT FALLS, MONTANA							0.9 AC
19	LILLIE L. JUDISCH ET AL	150½ GAVIOTA ST., LONG BEACH, CAL.							0.4 AC

(18) SE¼ SW¼ SEC. 14 — SW¼ SE¼ SEC. 14 — (19) SE¼ SE¼ SEC. 14 — SW¼ SW¼ SEC. 13

N0°16'W — Existing 18"x62' CMP — 582+92 — R/W — 586+50 BEG. 10' SLOPE PER. — USE — P.I. 590+30.05 Δ=0°22'30" Lt No Curve — P.S. 591+47.76 — EXISTING — T29N R1E — 599+50 END 10' SLOPE PER. — R/W — Existing 24"x56' CMP — 606+50 BEG 15' SLOPE PER. — LEFT — D 609+50 -8 % — 10' Haul Road — 609+93 N0°21'W

580 585 590 595 600 605 610

S89°51'30"E — 0.3 AC — Line As Staked — N89°46'E — Existing R/W Line — 0.1 AC

Line To Be Constructed — Existing R/W Line — Right-of-Way Line — 0.2 AC

0.1 AC — 581+50 BEG. 10' SLOPE PER. — 1/4 COR. 22.0' LT. — 584+50 END 10' SLOPE PER. — 602+50 BEG. 30' SLOPE PER. — 605+50 END 30' SLOPE PER. — SEC. COR 19.0' LT.

NE¼ NW¼ SEC. 23 — NW¼ NE¼ SEC 23 — (17) — NE¼ NE¼ SEC. 23 — NW¼ NW¼ SEC. 24

382+37 24" Culvert Salvage existing 18" culvert

604+64 24" Culvert Salvage existing 24" Culvert

D 609+65 -5 % — 609+65 18" culvert Road approach left

SLOPE LIMITS	STATE OF MONTANA
TOP OF CUT ——— TOE OF FILL - - - - - - - - - -	STATE HIGHWAY COMMISSION
MAP TRANS. TO R/W ——— MAP REVISED ———	LAND REQUIRED FOR RIGHT OF WAY
B.P.R. APPROVAL ———	COUNTY
	SCALE 1"=100' MAP COMPLETED ———

PLAN — SURVEYED, PLOTTED, LAYOUT CHECKED, ET. OF WAY CHECKED, WATER WORK, BY, DATE

A-AD 15(1) 11 CONST SHT 10 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS CONST. NO.	FED. AID PROJECT NUMBERS R/W NO.	STATE NO.	SHEET NO.	TOTAL SHEETS
8	Montana	A-AD 15(1), Unit 1			11	30

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
20	ROLAND & L. M. MYERS	LEDGER, MONTANA							1.4 AC
21	FRANK M. IVERSON ET AL	CONRAD, MONTANA		9.6 AC			6.1 AC	3.5 AC	0.5 AC

PAR-A

N0°21'W

10' Haul Road

609+65 +8%

D

R/W

P POT 614+01.18

PI 614+80.07
Δ=0°10' Lt.
No Curve

USE

SW¼SW¼ SEC.13

EXISTING

20

SE¼SW¼ SEC 13

T29N R1E

Marias River Electric Cooperative Power Line 6321+52 Elev 3475.2

Power Line Crossing Elev 3475.2

R/W

F

634+69 +10%

SW¼SE¼ SEC.13

LEFT

N 89°46'E

610

615

0.4AC

Line As Staked

620

620+50 END 15' SLOPE PER.

N89°36'E

625

626+50 BEG. 15' SLOPE PER.

630

635

636+25

640

0.9AC

Existing R/W Line

Mail Box

14 13 23 24

60' 70' 60' 60'

0.2 AC

Line To Be Constructed

0.1AC

Existing R/W Line

Right-of-way Line

609+65 5%

D

N0°21'W SEC. COR. 19.0' LT.

10' Haul Road

612+50 BEG. 20' SLOPE PER.

616+50 END 20' SLOPE PER.

620+50 BEG 10' SLOPE PER.

625+50 END 10' SLOPE PER.

NW¼NW¼ SEC 24

21

NE¼NW¼ SEC 24

D

636+15 -10%

¼ COR. 18.0' LT.

NW¼NE¼ SEC. 24

621+48 24" Culvert
Salvage Existing
18" Culvert

634+69 18" Culvert
Road Approach Lt.

PLAN
SURVEYED BY
NOTE BOOK
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NO.
DATE
BY

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED
B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 11 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			12	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P. T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
20	ROLAND & L. M. MYERS	LEDGER, MONTANA							1.4 AC
21	FRANK M. IVERSON ET AL	CONRAD, MONTANA		9.6 AC			6.1 AC	3.5 AC	0.5 AC
22	ROLAND & L. M. MYERS C/D	LEDGER, MONTANA		8.5 AC			6.1 AC	2.4 AC	4.2 AC
	ROBERT E. ORCUTT								

SW4 SE4 SEC. 13

SE4 SE4 SEC. 13

LOT 4 SEC. 18 (40.12 AC.)

NW4 NE4 SEC 24

NE4 NE4 SEC. 24

LOT 1 SEC. 19 (40.12AC)

R/W — USE — EXISTING — R/W — LEFT

N 89°36'E — N 89°47'E — N 0°07'E

T 29 N - R 2 E - MPM

P.646+44.64 — E — D.A.G.=44 +10%

Pl. 647+39.15 Δ = 0°11' Rt No Curve

651+50 END 18' SLOPE PER. — 20 — Existing 84"x60' CMP

655+50 BEG 10' SLOPE PER. — 659+50 END 10' SLOPE PER. — 662+85 — 662+96 -10% — D

662+85 - T 29 N - R 2 E - MPM

662+85 BEG 30' SLOPE PER. — Existing 84"x60' CMP — 666+00 END 30' SLOPE PER. — 666+00 BEG SLOPE PERMIT

640 — 645 — 650 — 655 — 660 — 665 — 670

Existing R/W Line — Line As Stoked — Line To Be Constructed

Right-of-Way Line — Existing R/W Line

0.1 AC — 0.2 AC — 30' — 60' — 50' — 70'

649+50 BEG. 10' SLOPE PER. — 649+50 -10% — D — 21

655+50 END W SLOPE PER — 660+50 BEG. 25' SLOPE PER

654+54 Extend existing 24" Culvert 42' Right & Salvage 6' on Right

663+61 36" Culvert Salvage Existing 24" Culvert

SEC. COR. 20 & 21

662+96 -10% — D

667+50 END 25' SLOPE PER. — 22

13 — 18 — 24 — 19

SLOPE LIMITS	STATE OF MONTANA
TOP OF CUT	STATE HIGHWAY COMMISSION
TOE OF FILL	LAND REQUIRED FOR RIGHT OF WAY
MAP TRANS. TO R/W	COUNTY
MAP REVISED	
B.P.R. APPROVAL	SCALE 1"=100' MAP COMPLETED

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK, NO., BY, DATE

A-AD 15(1) U1 CONST SHT 12 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			13	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT	P. T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
22	ROLAND & L. M. MYERS C/D	LEDGER, MONTANA		8.5 AC		6.1 AC	2.4 AC	4.2 AC
	ROBERT E. ORCUTT							
23	FRED C. & HELEN M. NICKOL C/D	LEDGER, MONTANA		29.9 AC		16.6 AC	13.3 AC	7.0 AC
	W. W. & J. M. URTON							
24	W. W. & J. M. URTON	LEDGER, MONTANA		4.3 AC		3.1 AC	1.3 AC	0.3 AC

PLAN
DRAWN
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
RATE BOOK
NO.

LOT 4 SEC. 18
(40.12 AC)

621+00

P 674+63.94

Pl. 674+62.17
Δ = 0°17'30" Lt
No Curve

676+00

R/W 110'

60'

N 89°47'E 1.9 AC

670

675

110'

USE — EXISTING

40'

Existing R/W Line

SE¼ SW¼ SEC 18

N 89°29'30"E

Existing 24"x 94' CMP

680+00 END SLOPE PER.

680

685

Existing 24"x 30' CMP

E

N 0°54' E

Abandoned Centre Line

689+00

689+28

690

Existing 18"x 62' CMP

T29N R2E (23)

SW¼ SE¼ SEC 18

R/W — LEFT

695

700

Line As Staked

70'

50'

60'

Right-of-Way Line

Existing R/W Line

4.1 AC

60'

120'

0.3 AC

50'

Line To Be Constructed

670+00 BEG. SLOPE PER.

LOT 1 SEC 19
(40.12 AC)

679+15 Salvage 4' of 24" Culvert Lt.
Extend 24" Culvert Rt.

NE¼ NW¼ SEC 19

R/W 682+00

R/W 684+40
684+40 END SLOPE PER.

22

R/W 686+78

R/W 689+18 AND
BEG. SLOPE EASE.

689+05
-1%

¼ COR. 18.0' LT.

685+07 Extend existing Culvert 56' Right

689+00 18" Culvert Rd. Approx. Lt.

690+72 24" Culvert

692+00 END SLOPE EASE

NW¼ NE¼ SEC. 19

24

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

A-AD 15(1) J1 CONST SHT 13 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			14	30

PAR-A

OWNERSHIPS									EASEMENT AND PERMIT ACREAGE
PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	
24	W. W. & J. M. URTON	LEDGER, MONTANA		4.3 AC			3.1 AC	1.3 AC	0.3 AC
23	FRED C. & HELEN M. NICKOL C/D	LEDGER, MONTANA		29.9 AC			16.6 AC	13.3 AC	7.0 AC
	W. W. & J. M. URTON								

SW¼SE¼ SEC. 18

T29N R2E

Δ = 88°47'
D = 5°C L
Ts = 1327.32
L = 1375.67
R = 1145.92
e = 0.08

SE¼SE¼ SEC. 18

(23)

R/W USE EXISTING R/W LT.

Sa = 10°00'
Ls = 400'

E

710+50 On Right (100' Paving Limit)

705+20 Beg. Slope Ease. R/W

705+50

706+49.81 (To Be Constructed) PSC 706+49.81

706+51.13 (As Staked) PSC 706+51.13

PCS 720+28.30 (As Staked)

PCS 720+25.48 (To Be Constructed)

720

50'

60'

Missile Cable Post Marker

R/W Line

719+21 Missile Cable Crossing

N0°42'30"E

Missile Cable Post Marker

75

Existing R/W Line

Line To Be Constructed

Obliterate existing road

Existing 30" CMP

394.45

Obliterate existing road

Existing R/W Line

N89°29'30"E

700

Line As Staked

Existing R/W Line

PCS 702+51.13 (As Staked)

Missile Cable Post Marker

R/W Line

Existing R/W Line

PSC 706+63 R/W

NW¼NE¼ SEC. 19

(24)

NE¼NE¼ SEC. 19

783+90 Missile Cable crossing

QUITCLAIM DEED TO WILLIAM URTON AND JOAN URTON OF LEDGER MONTANA, DATED: 5TH MARCH, 1974

PA 715+77.13

SE¼SE¼ SEC 18

720+00 (To Be Constructed) PCS 720+28.30 (As Staked)

Sa = 10°00'
Ls 400'

722+65 R/W

724+28.30 (As Staked) PT 724+25.48 (To Be Constructed)

725

730

50'

30' R/W Line

60'

Existing R/W Line

R/W Line

Line As Staked

Joint Use Poles: Three Rivers Telephone Coop. Marias River Electric Coop.

220+00 BEG. SLOPE EASEMENT

R/W 720+50

SW¼SW¼ SEC 17

723+50 N6W 24'DR

NW¼SW¼ SEC. 17

NE¼SE¼ SEC. 18

T29N R2E

N0°42'30"E Line To Be Constructed

SURVEYED
PLOTTED
ALIGNMENT CHECKED
AT OF WAY CHECKED
PLAN
NOTE BOOK
NO
BY

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED
B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 14 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			15	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
23	FRED C. & HELEN M. NICKOL C/D	LEDGER, MONTANA		29.9 AC			16.6 AC	13.3 AC	7.0 AC
	W. W. & J. M. URTON								
25	EDWARD L. NICKOL	LEDGER, MONTANA							1.4 AC

NE¼SE¼ SEC. 18 — SE¼NE¼ SEC 18 — NE¼NE¼ SEC.18

NW¼SW¼ SEC.17 — SW¼NW¼ SEC.17 — NW¼NW¼ SEC.17

T29N R2E

23 — 25 — 28

737+78.71 END SLOPE EASE BEGIN SLOPE PER.

POT 737+80.16

737+78 +5%

740+00 END SLOPE PERMIT

740+03 Power Line Crossing, El 352234 Tel. Line Crossing, Elev. 3518.62

743+25 -1%

743+18.6 Power Line Crossing, Elev. 3518.55 Tel. Line Crossing, Elev. 3515.65

EASEMENT TO SCHOOL DIST. #23

745+00 BEG. SLOPE PERMIT

P.P.S. 750+60.61

752+90

754+00 END SLOPE PERMIT

P.P.S.C. 754+60.61

755+33 Power Line Crossing, Elev. 3514.5

234+00 — 730 — 735 — 740 — 745 — 750 — 755 — 760

2.9 AC — 0.2 AC — 1.2 AC — 4.1 AC

N0° 42'30"E

Existing R/W Line — Existing R/W Line — 20' R/W Line

Line As Staked — Line To Be Constructed

Joint use Poles:
Three Rivers Telephone Cooperative, Inc.
Marias River Electric Cooperative, Inc.

732+00 — P 737+78.71 — 740+00 — 748+00 — P.S. 750+50.07 — S Δ 10°00' Ls 400' — P.S.C. 754+50.07 — 755+00

Δ = 88°40'30"
D = 5° C R
Ts = 1,325.19
Lc = 1,373.50
R = 1,145.92
e = 0.08

R/W Line — R/W Line

759+02 24" Culvert

SLOPE LIMITS
TOP OF CUT ———
TOE OF FILL - - - - - -

MAP TRANS. TO R/W _____
MAP REVISED _____

B.P.R. APPROVAL _____

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED _____

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — NOTE BOOK — NO. — DATE — BY

A-AD 15(1) U1 CONST SHT 15 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS CONST. NO.	FED. AID PROJECT NUMBERS R/W NO.	STATE NO.	SHEET NO.	TOTAL SHEETS
8	Montana	A-AD 15(1), Unit 1			16	30

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT	P. T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
23	FRED C. & HELEN M. NICKOL C/D	LEDGER, MONTANA		29.9 AC		16.6 AC	13.3 AC	7.0 AC
	W. W. & J. M. URTON							
26 & 27	DELETED							
28	VERNON & LILLIAN J. SIMONSON			4.9 AC		3.0 AC	1.9 AC	0.8 AC
	C/D KENNETH N. SOLLID ET AL							

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / NOTE BOOK / NO. / DATE / BY

PAR-A

SE¼ SE¼ SEC. 7

SW¼ SW¼ SEC. 8

8+50.0 END APP. RD.

P.T. 8+40.33

446.3' Radius

APP. RD. DATA
Δ = 45°47'
D = 6°00' RT.
T = 403.21'
L = 763.06'
R = 954.93

Obliterate Existing Roadway Item 209(1)

P. P.C.S. 768+34.94

P. PT. 772+34.94

QUITCLAIM DEED TO WILLIAM URTON AND JOAN URTON OF LEDGER, MONTANA DATED: 12th MARCH 1974

N 89°23'00" E

SE¼ SW¼ SEC. 8

SW¼ SE¼ SEC. 8

N 0°44' E

765

770

775

780

785

790

Existing Right-of-Way Line

Line As Staked

Three Rivers Telephone Cooperative, Inc.

493.5'

LPI 763+75.28

PI 2-30-18

Type E (Modified)

P.C. 0+82.27

100.0' Radius

Q=150.0 BEG. APP. RD.

Δ = 10°00"
Ls = 400'

P.C.S. 768+23.55

220+00 END CONST EASE.

P.T. 772+23.55

Existing Right-of-Way Line

Right-of-Way Line

Line To Be Constructed

Marias River Electric Cooperative Inc.

N 0°42'30" E
NE¼ NE¼ SEC. 18

100.0' Radius

760

Widening Typ. T.E. U.S.A.F. 31° Skidn.

Δ = 88°40½'
D = 5°00' C.R.
Ts = 1325.19
L = 1373.50
R = 1145.92
e = 0.08

763+00

Q=100 Appr. Rd. 761+50 PAR-A

761+50 24" Culvert Road Approach Left

NW¼ NW¼ SEC. 17

23

NE¼ NW¼ SEC. 17

776+59 24" Culvert Salvage existing 18" Culvert

785+42.0 ℄ Leg 20.0' Lt.

T29N R2E

28

NW¼ NE¼ SEC. 17

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

A-AD 15(1) L-1 CONST SHT 16 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			17	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
28	VERNON & LILLIAN J. SIMONSON	LEDGER, MONTANA		4.9 AC			3.0 AC	1.9 AC	0.8 AC
	C/D KENNITH N. SOLLID ET AL								
29	PETER J. EMERSON C/D			4.8 AC			3.1 AC	1.7 AC	0.6 AC
	SAM SUNWALL	BOX 85, LEDGER, MONTANA							

SE¼ SE¼ SEC. 8

SW¼ SE¼ SEC. 8

SW¼ SW¼ SEC. 9

RIW — USE — N 89°23'00"E — EXISTING — RIW — LEFT — N 89°28'00"E

N 0°43' E

P.I. 809+87.12
Δ = 0°05' Rt.
No Curve

SEC. COR 20.0 L.T. ℄

811+97.5

790 795 800 805 810 8 9 815 820

E — 798+50 +10%

F — 801+20 +2%

E — 805+25 -10%

D — 812+00 -5%

80' H-20 80' H-80 Power Line Crossing - Elev. 3953.14'

Gravel

Grain Shed

HSE

Tool Shed

Existing Right-of-Way Line

Three Rivers Telephone Cooperative Inc.

Hedge

Line As Staked

2" Service Gas Line - Buried Montana Power Company

Existing Right-of-Way Line

0.8 AC

Right-of-Way Line

Line To Be Constructed

Marias River Electric Cooperative Inc.

50' 50' 20' 20' 10' 10' 30' 30'

792+50 BEG. SLOPE PERMIT

798+00

801+00 END SLOPE PERMIT

813+00 BEG. SLOPE PER.

820+00

793+50 18" Culverts Road Appr. Lt. & Rt.

801+20 18" Culvert Road Approach Lt.

28

29

17

16

E

E

D

T29N R2E

NW¼ NE¼ SEC. 17

NE¼ NE¼ SEC. 17

NW¼ NW¼ SEC. 16

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — NT OF WAY CHECKED — NOTE BOOK — NO. — DATE — BY — CHECKED — CHECKED

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W

MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY

COUNTY

SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 17 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			18	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P. T. W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
29	PETER J. EMERSON C/D			4.8 AC			3.1 AC	1.7 AC	0.6 AC
	SAM SUNWALL	BOX 85, LEDGER, MONTANA							
30	VERNON & LILLIAN J. SIMONSON	LEDGER, MONTANA		3.8 AC			3.0 AC	0.8 AC	0.1 AC
	C/D KENNETH N. SOLLID ET AL.								
31	STATE OF MONTANA	HELENA, MONTANA		4.3 AC			3.0 AC	1.3 AC	0.7 AC

SW¼ SW¼ SEC. 9

SE¼ SW¼ SEC. 9

SW¼ SE¼ SEC. 9

NW¼ NW¼ SEC. 16

SE¼ NW¼ SEC 16

NW¼ NE¼ SEC 16

T29N R2E

P 822+18.00

819+19.18 10"x52' C.M.P.

N 89°28'E

P 837+12.18"x56' C.M.P.

P.I. 837+28.74
Δ = 0°05'30" R
No Curve

838+23.73
¼ cor. 20.0' Lt.

P 838+80.
N 18° 42' E

P 844+06.32

N 89°33'30" E

849+48.18"x44' C.M.P.

P.S. 850+83.57

(30)

(29)

(31)

(D)

(E)

2" Service Gas Line - Buried Montana Power Co.

Marias River Electric Cooperative Inc.

829+45 Montana Power Company 12" High Pressure Gas Line. Buried Gas Line Crossing

Existing R/W Line

Right of Way Line

R/W — USE — EXISTING — R/W — Line as staked — LEFT

Existing R/W Line

Line to be constructed

820+00

822+50 +10%

825+00 END SLOPE PER.

838+00 BEG. SLOPE PER.

838+75 +10%

846+00 END SLOPE PER.

850+50 BEG. SLOPE PER.

822+50 18" Culvert Rd. Appr. Rt.

837+12 24" Culvert & Salvage Existing 18" Culvert

838+75 18" Culvert Rd. Approach Right

849+48 24" Culvert & Salvage Existing 18" Culvert

0.5 AC

0.1 AC

TOTAL = 40.0 AC.
GROSS TAKE = 2.5 AC.
P. T. W. = 1.5 AC.
NET TAKE = 1.0 AC.
REM. RIGHT = 39.5 AC.
REM. LEFT = 0.0 AC.

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED
B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

A-AD 15(1) U — CONST SHT 18 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			19	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
30	VERNON & LILLIAN J. SIMONSON	LEDGER, MONTANA		3.8 AC			3.0 AC	0.8 AC	0.1 AC
	C/D KENNETH N. SOLLID ET AL								
31	STATE OF MONTANA	HELENA, MONTANA		4.3 AC			3.0 AC	1.3 AC	0.2 AC
32	ED G. & MARLEE A. VALENTINE	CONRAD, MONTANA		12.9 AC			9.2 AC	3.7 AC	5.8 AC

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK, NO, BY, DATE

SW¼SE¼ SEC. 9

SE¼SE¼ SEC 9

SW¼SW¼ SEC 10

NW¼NE¼ SEC. 16

NE¼NE¼ SEC 16

NW¼NW¼ SEC 15

NE¼NW¼ SEC. 15

SE¼SW¼ SEC. 10

T29N R2E

N 89°33'30"E

N 87°01'E

S 86°09'E

RIW USE EXISTING R/W LT.

Line to be constructed

Line as staked

Right of Way Line

Existing R/W Line

Existing R/W Line

R/W USE EXISTING RIW RIGHT

R/W USE EXIST. R/W

Marias River Electric Cooperative Inc.

BM #46

Δ = 2°32'30"
Ts = 454.22
Δ1 = 0°32'30"
D = 0°30'CL
R = 11459.16
L = 108.33
e = 2% Crown

30

31

32

P.S. 850+83.52

P.S.C. 854+83.52

P.C.S. 855+91.90

P.T. 859+91.90 R/W

P 861+48.58

862+00 BEG. 20' SLOPE PERMIT

865+00 END 20' SLOPE PERMIT

P 874+08.00

P.I. 874+48.22

P.S. 879+22.53

S=1°
Ls=400'

S=1°30'
Ls=300'

S=3°
Ls=400'

S=3°
Ls=400'

20' 0.1 AC

30' 0.2AC

30' Right of Way Line

130'

130'

850

855

860

865

870

875

880

9

10

16

15

849+48 Existing 8"x64" C.M.P.

850+50 BEG. 30' SLOPE PERMIT

851+75 +10%

853+50 END 30' SLOPE PERMIT

P.I. 855+32.29

R/W 858+35

R/W 859+30

R/W 860+00

R/W 862+00

R/W 863+84

P.S. 870+20.14

P 867+41.23

865+20.0
← 265.88 & To Found ¼ Cor. Stone
← 2653.88' (P.Line) to Found ¼ cor. stone
N 0°41'53"E

865+50 -7%

865+26.23

P.S.C. 874+20.14

P.C.S. 874+75.20

Δ = 6°50'
Ts = 428.13
Δ1 = 0°50'
D = 1°30'CR
R = 3819.72
L = 55.56
e = .040

875+00 BEG. SLOPE EASEMENT

P.T. 878+75.70

TOTAL = 40.0AC
GROSS TAKE = 1.8AC
P.T.W. = 1.5AC
NET TAKE = 0.3AC
REM. RIGHT = 38.2AC
REM. LEFT. = 0.0AC

849+48 24" Culvert
Salvage Existing 18" Culvert

865+50 18" Culvert
Rd. Appr. Lt & Rt.

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 19 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS CONST. NO.	FED. AID PROJECT NUMBERS R/W NO.	STATE NO.	SHEET NO.	TOTAL SHEETS
8	Montana	A-AD 15(1), Unit 1			20	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
32	ED. G. & MARLEE A. VALENTINE	CONRAD, MONTANA		12.9 AC			9.2 AC	3.7 AC	5.8 AC
33	FRANK A. NICKOL	LEDGER, MONTANA		16.6 AC			9.1 AC	7.5 AC	2.8 AC

T29N R2E

SE¼ SW¼ SEC. 10 (32)

SW¼ SE¼ SEC. 10

SE¼ SE¼ SEC 10 (33)

NE¼ NW¼ SEC. 15

NW¼ NE¼ SEC. 15

NE¼ NE¼ SEC. 15 (32)

Δ = 3°57'30"
Ts = 348.01
Δ1 = 0°57'30"
D = 1°CL
R = 5729.58
L = 95.83
e = .029

S86°09'E

P.S. 879+72.55

P.S.C. 882+72.55

P.C.S. 883+73.38

P.T. 886+73.38

S = 1°30'
Ls = 300'

S = 1°30'
Ls = 300'

Line to be constructed

891+00 BEG. SLOPE EASE.

891+50 -6 %

892+18.0 END SLOPE EASE.

P 892+35

N 0°48' W

892+18.0 R/W

D

899+00 Existing 36" C.M.P.

N 89°53'30"E

903+00 R/W

903+40 BEG. SLOPE EASEMENT

905+40 R/W

P 908+29.59

880 885 890 895 900 905 910

60' 60' 50' 50'

0.2 AC R/W

1.2 AC

Right of Way Line

Existing R/W Line

Wire Fence

70' 70' 70' 70'

40' 40' 40' 40'

130' 130'

2.5 Ac

Right of Way Line

P.T. 878+73.70

P.I. 883+25.56

882+77.55

885+00 END SLOPE EASEMENT

P 885+95.09

R/W 886+73.38

R/W 891+20

R/W USE EXIST. R/W RIGHT

892+50 18" Culvert Road Approach Right

892+50 -10%

892+13.0 ¼ Cor. 26.0' Rt.

R/W 894+00

Furrow Ditch

140' 140'

Line as staked

R/W 898+50

EARTH DAM

Stock Reservoir

P 898+84.09

R/W 899+70

R/W 900+50

897+70 36" Culvert & Salvage existing 36" Culvert

Marias River Electric Cooperative Inc.

3.1 AC

100' 100'

R/W 902+00

902+50 BEG. SLOPE EASE.

R/W USE EXISTING R/W RIGHT

910+00

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED
B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE

A-AD 15(1) U1 CONST SHT 20 OF 30

OWNERSHIPS									EASEMENT AND PERMIT ACREAGE
PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	
32	ED. G. & MARLEE A. VALENTINE	CONRAD, MONTANA		12.9 AC			9.2 AC	3.7 AC	5.8 AC
33	FRANK A. NICKOL	LEDGER, MONTANA		16.6 AC			9.1 AC	7.5 AC	2.8 AC

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS CONST. NO.	FED. AID PROJECT NUMBERS R/W NO.	STATE NO.	SHEET NO.	TOTAL SHEETS
8	Montana	A-AD15(1), Unit 1			21	30

PAR-A

(33) SE¼SE¼ SEC. 10

SW¼SW¼ SEC. 11

SE¼SW¼ SEC. 11

N 89°53'30" E

N 89°52'30" E

915+00 END SLOPE EASEMENT

921+00 BEG. SLOPE EASE.

924+00 END SLOPE EASE.

926+00 R/W

926+00 BEG. SLOPE EASEMENT

927+39± Existing 18"x52' C.M.P.

932+15 +10%

934+00 END SLOPE EASEMENT

910 915 920 925 930 935 940

50' 50' 20' 20' 30' 30'

0.1 AC

0.6 AC

20' Right-of Way Line

Existing R/W Line

Line to be constructed

Line as staked

Marias River Electric Co-op Inc.

2660.26' (P Line) to Found ¼ Cor. Stone → P 918+62.21 N 0°19'01" E

Gate

10 11 15 14

R/W — USE — EXISTING — R/W — RIGHT

P 915+22.96

918+52.21 END SLOPE EASEMENT

2621.60' (P Line) to Found ¼ Cor. Stone

Sec Cor 20.0 Ft.

918+52.21

918+59 +10%

P.I. 919+91.37 Δ = 0°01' Lt No Curve

T29N R2E

NE¼NE¼ SEC. 15 (32)

NW¼NW¼ SEC. 14

NE¼NW¼ SEC. 14

918+59 18" Culvert Road Approach Rt.

927+39 24" Culvert Remove, Clean & Stockpile 18" Salvaged Culvert Pipe

935+15 18" Culvert Road Approach Lt.

936+60 24" Culvert Remove, Clean & Stockpile 18" Salvaged Culvert Pipe

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT OF WAY CHECKED / NOTE BOOK / NO / BY / DATE

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED
B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 21 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS CONST. NO.	FED. AID PROJECT NUMBERS R/W NO.	STATE NO.	SHEET NO.	TOTAL SHEETS
8	Montana	A-AD 15(1), Unit 1			22	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P. T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
33	FRANK A. NICKOL	LEDGER, MONTANA		16.6 AC			9.1 AC	7.5 AC	2.8 AC

SE¼ SW¼ SEC. 11

SW¼ SE¼ SEC. 11

SE¼ SE¼ SEC. 11

NE¼ NW¼ SEC. 14

NW¼ NE¼ SEC 14

NE¼ NE¼ SEC. 14

33

940 945 950 955 960 965 970

P945+22 N0°22'E

942+00 BEG SLOPE EASEMENT

N 89°52'30"E

P.I. 947+45.38 Δ=0°10'30"R No Curve

S 89°57'E

955+00 END SLOPE EASE

P.I. 958+33.38

S 89°00'E

Line to be constructed

Line as staked

30' 0.9 AC Right of Way Line 30'

Existing R/W Line

Existing R/W Line

Marias River Elec. Coop.

Missile Q-12 Triangle Mon.

P 953+59.50

P.C. 955+48.37

Existing 24"x 108' C.M.P.

16 Q-12 Silo

Δ= 0°59'
D= 0°10'CR
R=34,376.79
T= 285.01
L= 570.00
e=2% Crown

P.T. 961+18.37

956+00 +6 %

F

945+11.0 ¼ Cor. 20.0' Rx.

R/W USE EXISTING R/W RIGHT

T29N R2E

P 971+12.49 - N0°24'E 2639.94' (Plat) to found ½ Cor. Stone

+ 26.17 96' (Plat) to found ½ Cor. Stone Sec. Cor. S 0°24'E

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

PLAN
DRAWN
PLOTTED
ALIGNMENT CHECKED
RT OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE

A-AD 15(1) 11 CONST SHT 22 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS CONST. NO.	R/W NO.	STATE NO.	SHEET NO.	TOTAL SHEETS
8	Montana	A-AD 15(1), Unit 1			23	30

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT	P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
33	FRANK A. NICKOL	LEDGER, MONTANA		16.6 AC		9.1 AC	7.5 AC	2.8 AC
35	DELETED							
36	KENNETH N. & ELLA M. SOLLID	LEDGER, MONTANA		15.5 AC		12.1 AC	3.4 AC	5.8 AC

PLAN — SURVEYED BY; PLAN CHECKED BY; NOTE BOOK; NO.; DATE; BY

SW¼ SW¼ SEC. 12

SE¼ SE¼ SEC. 11

33

E

P 971+72.49 ~ N0°26'E

2611.94' (P/Line) to Found ¼ Cor. Stone

971+80 +8%

S 89°00'E

974+00 R/W

Right of Way Line

970

975

P.C. 976+03.66

Δ = 0°36'
D = 0°10'CL
R = 34,377.47
T = 180.00
L = 360.00
e = 2% Crown

R/W — USE

P.T. 979+63.66

980

981+00 BEG 20' SLOPE PER PERMIT

Existing R/W Line?

FENCE LINE EQUALS PERMIT LIMITS

0.2 AC

Sewer Lagoon

Quonset Hut

985

986+50 END 20' SLOPE PERMIT

987+05 -10%

987+86 ~ Power Line X-ing Elev. 3411.50

F

SE¼ SW¼ SEC. 12

S 89°36'E

990+00 BEG SLOPE PER

990

R/W — Joint Use Poles — Marias River Electric Cooperatives — Three Rivers Telephone Co.

EXISTING

LEFT

Line as staked

60'

995

1.6 AC

PAR-A

P 998+19 ~ N0°26'

SW¼ SE¼ SEC. 12

N89°59'30"E

999+00

1000

60'

20'

20'

30'

30'

50'

70'

Marias River Elec. Coop.

Existing R/W Line

3.0 AC

Right of Way Line

Line as staked

Line to be constructed

10'

50'

70'

20'

20'

RIW 971+56.49 BEG. SLOPE PERMIT

2612.96' (P/Line) to Found ¼ Cor. Stone

971+56.49 Sec. Cor. 5 & 4

971+80 110% Witness Mon. to 12" DEAD

RIW USE EXIST RIW RT. 4

NE¼ NE¼ SEC. 14

E

971+80 18" Culvert Road Approach Rt

RIW 976+03.66

P.I. 977+83.66

981+00

P.O.T. P 983+50.00

984+16 ~ Existing 15"x52" CMP

985+00 -10%

983+00

E

984+00 24" Culvert Salvage existing 15" culvert

985+00 18" Culvert Road Approach Rt

987+05 18" Culvert Road Approach Lt.

36

T29N R2E

Δ = 0°26'30" Lt.
No Curve
P.I. 998+00.21

998+04 ¼ Cor. 20.0' Lt.

999+00

NW¼ NW¼ SEC. 13

NE¼ NW¼ SEC 13

NW¼ NE¼ SEC. 13

Construct Type F3W Fence Left

983+50

984+30

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 23 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Mont.	A-AD-15(1)			24	30

PAR-A
Unit 1

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
36	KENNETH N. & ELLA M. SOLLID	LEDGER, MONTANA		15.5 AC			12.1 AC	3.4 AC	5.8 AC
37	MELVIN UNDERDAL	SHELBY, MONTANA							
38	JOHN J. TORSKE	CONRAD, MONTANA		4.7 AC			2.9 AC	1.8 AC	0.8 AC

SW¼ SE¼ SEC. 12

SE¼ SE¼ SEC. 12

R/W — USE — (E) — EXISTING — R/W

N 89°57'30"E

999+00 — 1000 — 1003+22 ~ Existing 18"x52' C.M.P. — 1005 — 1006+00 END SLOPE PER. — 1010 — 1010+85 +2%

Joint Use Poles
Marias River Electric Cooperatives
Three Rivers Telephone Co.

Line as staked

Existing R/W Line

Existing R/W Line

1.0 AC

Right of Way Line 50'

Line to be constructed

999+00 — 1000+00 END SLOPE PER. — 1010+00 BEG. SLOPE PER. — 1010+85 +10% — (E)

P 1015+36.71

1019+00 END SLOPE PER.

1022+74 ~ Existing 24"x54' C.M.P.

(F) 1024+25.7 -1%

Elev. 3399.33 — 1024+00 ~ Power Line X-ing — Elev. 3391.04

T 29N R 2E M.P.M. | T 29N R 3E M.P.M.

37
LOT 4 SEC. 7
(39.24 AC)

LEFT

N 89°37'E

1020 — 1025 — 1030

12 — 7 — 13 — 18

BC-1 — 6C-1

Three Rivers Telephone Co.

1023+38 ~ Power Line X-ing Elev. 3390.6

P.I. 1024+25.11
Δ = 0°20'30" Lt.
No Curve

1024+25.7 Sec. Cor. 20.0' Lt. — (F) 1024+25.7 -1%

30' — 30'

1027+00 BEG. SLOPE PER.

NW¼ NE¼ SEC. 13 — (36)

NE¼ NE¼ SEC. 13

LOT 1 SEC. 18
(39.24 AC) — (38)

1003+22 24" Culvert
Salvage existing 18" Culvert

1010+85 18" Culvert
Rd. Appr. Lt. & Rt.

1022+74 Extend 24" Culvert 26' Rt.
& Salvage existing
24" Culvert Lt. (20°)

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
DATE
BY

A-AD 15(1) U1 CONST SHT 24 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD15(1), Unit 1			25	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
37	MELVIN UNDERDAL	SHELBY, MONTANA							
38	JOHN J. TORSKE	CONRAD, MONTANA		4.7 AC			2.9 AC	1.8 AC	0.8 AC
39	CLARENCE UNDERDAL	GALATA, MONTANA		18.7 AC			15.1 AC	3.6 AC	1.1 AC

LOT 4 SEC. 7
(39.24 AC)

37

SE¼SW¼ SEC. 7

SW¼SE¼ SEC. 7

R/W — USE — EXISTING — R/W — LEFT

N 89°37'E

N 89°34'E

P.O.T. P1046+99.33

P1049+55-1020 R/W

E 1049+60 -2 %

1030 1035 1040 1045 1050 1055 1060

Line as staked

Existing R/W Line

60.5

Three Rivers Telephone Co.

30' 30' 60'

30' 0.5 AC 30'

Existing R/W Line

30' 0.3 AC 30'

Right of Way Line

Line to be constructed

1034+00 END SLOPE PER.

1038+00 BEG. SLOPE PER.

1043+20 END SLOPE PER.

P.I. 1049+80.27
Δ = 0°03' Lt.
No Curve

1049+80.3 ¼ Cor. 23.0 Lt.

E 1049+60 +5 %

10-49+60 18" Culvert Road Approach Right

T29N R3E

LOT 1 SEC. 18
(39.24 AC)

38

NE¼NW¼ SEC. 18

NW¼NE¼ SEC. 18

39

PLAN — SURVEYED BY — PLOTTED BY — ALIGNMENT CHECKED — RT OF WAY CHECKED — NOTE BOOK — NO — DATE — BY

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED
B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 25 OF 30

OWNERSHIPS									
PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P.T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
39	CLARENCE UNDERDAL	GALATA, MONTANA		18.7 AC			15.1 AC	3.6 AC	1.1 AC

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			26	30

PAR-A

SW¼SE¼ SEC. 7

SE¼SE¼ SEC. 7

SW¼SW¼ SEC. 8

SE¼SW¼ SEC. 8

R/W — N 89°34'E — USE — EXISTING — R/W — LEFT — N 89°40'E

P 1062+81.39

P 1078+35 - N 0°22' W

1076+18 + 4%

1076+00 - Guy Wire X-ing - Elev. 3359.13

Joint Use Poles
Marias River Electric Cooperatives
Three Rivers Telephone Co.

1060 1065 1070 1075 1080 1085 1090

Line as staked

Three Rivers Telephone Co.

B.M.

Existing R/W Line

Guy Pole

Existing 18"x50' C.M.P.

Right of Way Line

30' 0.3 AC 30' 40' 0.7 AC 40'

Line to be constructed

1062+50 BEG. SLOPE PER.

1067+00 END SLOPE PER.

1069+00 BEG. SLOPE PER.

P.I. 1076+12.85
Δ = 0°20' Rt.
No Curve

1076+18 END SLOPE PER.

1076+12.9 Sec. Cor. 20.0' Lt.

1076+18 + 5%

1076+18 Culverts
Road Approaches Lt & Rt.

P.O.T. P 1090+00.00

T29N R3E

39

NW¼NE¼ SEC. 18

NE¼NE¼ SEC. 18

NW¼NW¼ SEC. 17

NE¼NW¼ SEC. 17

PLAN — SURVEYED — PLOTTED — ALIGNMENT CHECKED — NOTE BOOK — RT OF WAY CHECKED — NO — BY — DATE

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 26 OF 30

OWNERSHIPS									
PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P. T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
39	CLARENCE UNDERDAL	GALATA, MONTANA		18.7 AC			15.1 AC	3.6 AC	1.1 AC
40	SELMA LARSON	CONRAD, MONTANA		5.0 AC			3.1 AC	1.9 AC	0.7 AC

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Mont.	A-AD-15(1)			27	30

PAR-A
Unit 1

SE¼ SW¼ SEC. 8 — SW¼ SE¼ SEC. 8 — SE¼ SE¼ SEC. 8

RIW — USE — N 89°40'E — EXISTING — RIW — LEFT — N 89°47'E

Joint Use Poles
Marias River Electric Cooperatives
Three Rivers Telephone Co.

1090 — 1095 — 1100 — 1105 — 1110 — 1115 — 1120

1098+80 ~ Existing 18"x50' CMP.

P 1102+16 ~ N 0°16' W

E — +5% — 98+1011 — F — +5% — 1103+75

House — Shelter Belt — Airplane Hangar

1104+52 ~ Guy Wire X-ing ~ Elev. 3346.50

P 1107+76.44

D — 106+00 — -2%

Line as staked

Existing R/W Line

Guy Pole

Existing R/W Line

20' 0.1 AC — 0.6 AC — Right of Way Line — 20'

Line to be constructed

50' 70' 50' 60'

PAT P 1090+00.00

1099+50 BEG. SLOPE PERMIT — P.I. 1101+96.89 Δ=0°07' Rt. No Curve

Private Access — 1101+96.9 ⅛ Cor. 20.0 Lt.

END SLOPE PERMIT BEGIN SLOPE EASE.

E — +5% — 1101+85

1116+00 END SLOPE EASE.

T29N R3E

39 — NE¼ NW¼ 17

NW¼ NE¼ SEC 17 — 40

NE¼ NE¼ SEC. 17

1098+80 24" Culvert

1101+85 18" Culvert Rd. Appr. Rt.

1103+75 18" Culvert Rd. Appr. Lt.

PLAN — SURVEYED: ALIGNMENT CHECKED: NOTE BOOK — RT. OF WAY CHECKED: — NO — BY — DATE

SLOPE LIMITS
TOP OF CUT
TOE OF FILL

MAP TRANS. TO R/W
MAP REVISED

B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY

SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 27 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			28	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P. T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
39	CLARENCE UNDERDAL	GALATA, MONTANA		18.7 AC			15.1 AC	3.6 AC	1.1 AC
40	SELMA LARSON	CONRAD, MONTANA		5.0 AC			3.1 AC	1.9 AC	0.7 AC
42	ARNOLD & MARIE E. LINDBERG ET AL	LEDGER, MONTANA		9.6 AC			6.1 AC	3.5 AC	1.7 AC
	C/D ORLO M. & DULCIE UNDERDAL								

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT OF WAY CHECKED / NOTE BOOK / NO. / DATE / BY

SE¼SE¼ SEC. 8 — (39) — N 89°47'E — R/W — 1120 — 1125 — 1129+12.50 — Existing 18°38' C.M.P. N 0°03'W — 1129+20 2% (E) — USE — 1130 — Found Section Corner N 505,396.226 E 595,262.910 20.0' North of ℄ — Existing R/W Line — 8 — 9 — 17 — 16 — 50' — 70' — 50' — 60' — Existing R/W Line — 20' 0.1 AC — 1129+00 BEG. SLOPE EASE. — P.I. 1128+97.91 Δ = 0°04' Rt. No Curve — 1129+18.5 END SLOPE EASE. BEGIN SLOPE PER. — Existing 18"x40' CMP — 0.1 AC 20' — 1131+00 END SLOPE PER. — 1129+20 3% (E) — 1129+20 18" Culverts Appr. Rds. Lt. & Rt.

NE¼NE¼ SEC. 17 — (40)

SW¼SW¼ SEC. 9 — P.O.T. P.I. 1132+99.85 — Line as staked — EXISTING — 1135 — 1140 — N 89°51'E — 30' 0.4 AC Right of Way Line — Line to be constructed — 1135+00 BEG. SLOPE PER. — 1141+00 END SLOPE PER. — (42)

NW¼NW¼ SEC. 16

(E) — 1142+90 2% — SE¼SW¼ SEC. 9 — R/W — LEFT — 1145 — 1149+23 ~ Existing 18°50' C.M.P. — 1150 — 50' — 60' — 70' — 60' — 50' — 15' — 15' — 1147+00 BEG. SLOPE PER.

T29N R3E

1142+90 18" Culvert Rd. Appr. Lt.

NE¼NW¼ SEC. 16

1149+60 24" Culvert Salvage Existing 18" Culvert

SLOPE LIMITS	STATE OF MONTANA
TOP OF CUT ———	STATE HIGHWAY COMMISSION
TOE OF FILL - - - - - - - - -	LAND REQUIRED FOR RIGHT OF WAY
MAP TRANS. TO R/W ———	COUNTY
MAP REVISED ———	
B.P.R. APPROVAL ———	SCALE 1"=100' MAP COMPLETED ———

A-AD 15(1) U1 CONST SHT 28 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			29	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P. T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
42	ARNOLD & MARIE E. LINDBERG	LEDGER, MONTANA		9.6 AC			6.1 AC	3.5 AC	1.7 AC

SW¼ SE¼ SEC. 9

SE¼ SE¼ SEC. 9

SE¼ SW¼ SEC. 9

1149+23 ~ Existing 18"x50' C.M.P.

R/W N 89°51'E

1155+55.42 - N 0°02' W.

P.I. 1155+83.86

1156+15 +10%

E

USE EXISTING

N 89°53'E R/W

1169+35 ~ Existing 18"x22' C.M.P.

LEFT

Line as staked

1150 1155 1160 1165 1170 1175 1180

Found ¼ Sec. Cor. N 505,402.051 E 597,899.229 16.0' North of ℄

Existing R/W Line

Section Line N 89°51'53"E 2635.45'

16

50' 70' 50' 60' 10' 30' 0.8 AC 30' 0.1 AC Right of Way Line 30' 0.3 AC 30' 50' 60'

Existing R/W Line

Line to be constructed

1149+60 24" Culvert Salvage Existing 18" Culvert

1152+00

P.I. 1155+12.92 Δ = 0°02' Rt. No Curve

1155+55.4 ¼ Cor 18.0' Lt.

1156+20 18" Culvert Rd Appr. Lt

1162+00 END SLOPE PER.

1164+00 BEG. 10' SLOPE PER.

1169+20 24" Culvert Salvage Existing 18" Culvert

1170+00 END 10' SLOPE PER.

1173+00 BEG. SLOPE PER.

1177+40 END SLOPE PER.

42

T29N R3E

NE¼ NW¼ SEC. 16

NW¼ NE¼ SEC. 16

NE¼ NE¼ SEC. 16

PLAN — SURVEYED / PLOTTED / NOTE BOOK / NO. — ALIGNMENT CHECKED. / RT OF WAY CHECKED. — DATE / BY

SLOPE LIMITS
TOP OF CUT ———
TOE OF FILL - - - - - -

MAP TRANS. TO R/W
MAP REVISED
B.P.R. APPROVAL

STATE OF MONTANA
STATE HIGHWAY COMMISSION
LAND REQUIRED FOR RIGHT OF WAY
COUNTY
SCALE 1"=100' MAP COMPLETED

A-AD 15(1) U1 CONST SHT 29 OF 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NUMBERS		STATE NO.	SHEET NO.	TOTAL SHEETS
		CONST. NO.	R/W NO.			
8	Montana	A-AD 15(1), Unit 1			30	30

PAR-A

OWNERSHIPS

PARCEL	NAME	ADDRESS	TOTAL AREA	GROSS TAKING	LT-REMAINDER-RT		P. T.W. ACREAGE	NET TAKE ACREAGE	EASEMENT AND PERMIT ACREAGE
43	IRWIN T. UNDERDAL	GALATA, MONTANA		2.5 AC			1.5 AC	1.0 AC	
42	ARNOLD & MARIE E. LINDBERG	LEDGER, MONTANA		9.6 AC			6.1 AC	3.5 AC	1.7 AC

SE¼SE¼ SEC. 9

SW¼SW¼ SEC. 10

NE¼NE¼ SEC. 16

NW¼NW¼ SEC. 15

T29N R3E

42

43

D

N0°56'W 1182+20

1181+84

Found Section Cor. N 505,408.269 E 600,534.676 20.0' North of ℄

Existing 15"x 40' CMP

Sec. Cor. 20.0' Rt.

1182+20 18" Culvert Road Approach Left

P.O.T. P 1184+99.63

P.O.T. P 1194+99.63

P.I. 1195+41.93

1180 1185 1190 1195

R/W USE EXISTING R/W LEFT

N 89° 53' E

Line as staked

Line to be constructed

Existing R/W Line

Existing R/W Line

Right of Way Line

9 10 16 15

50' 50' 50' 50' 60' 60' 70' 70'

1195+24 END R/W ACQUISITION

1195+24 END PROJECT A-AD 15(1) UNIT 1

PAR-A SAFEGUARD ACCESS ROADS

PLAN SURVEYED DRAFTED ALIGNMENT QUICKED BY OF WAY CHECKED SITE SHEET NO. DATE BY

SLOPE LIMITS	STATE OF MONTANA
TOP OF CUT _____ TOE OF FILL - - - - - - - - - -	STATE HIGHWAY COMMISSION
MAP TRANS. TO R/W _____	LAND REQUIRED FOR RIGHT OF WAY
MAP REVISED _____	COUNTY
B.P.R. APPROVAL _____	SCALE 1"=100' MAP COMPLETED _____

A-AD 15(1) U1 CONST SHT 30 OF 30