

PLANS

NOT

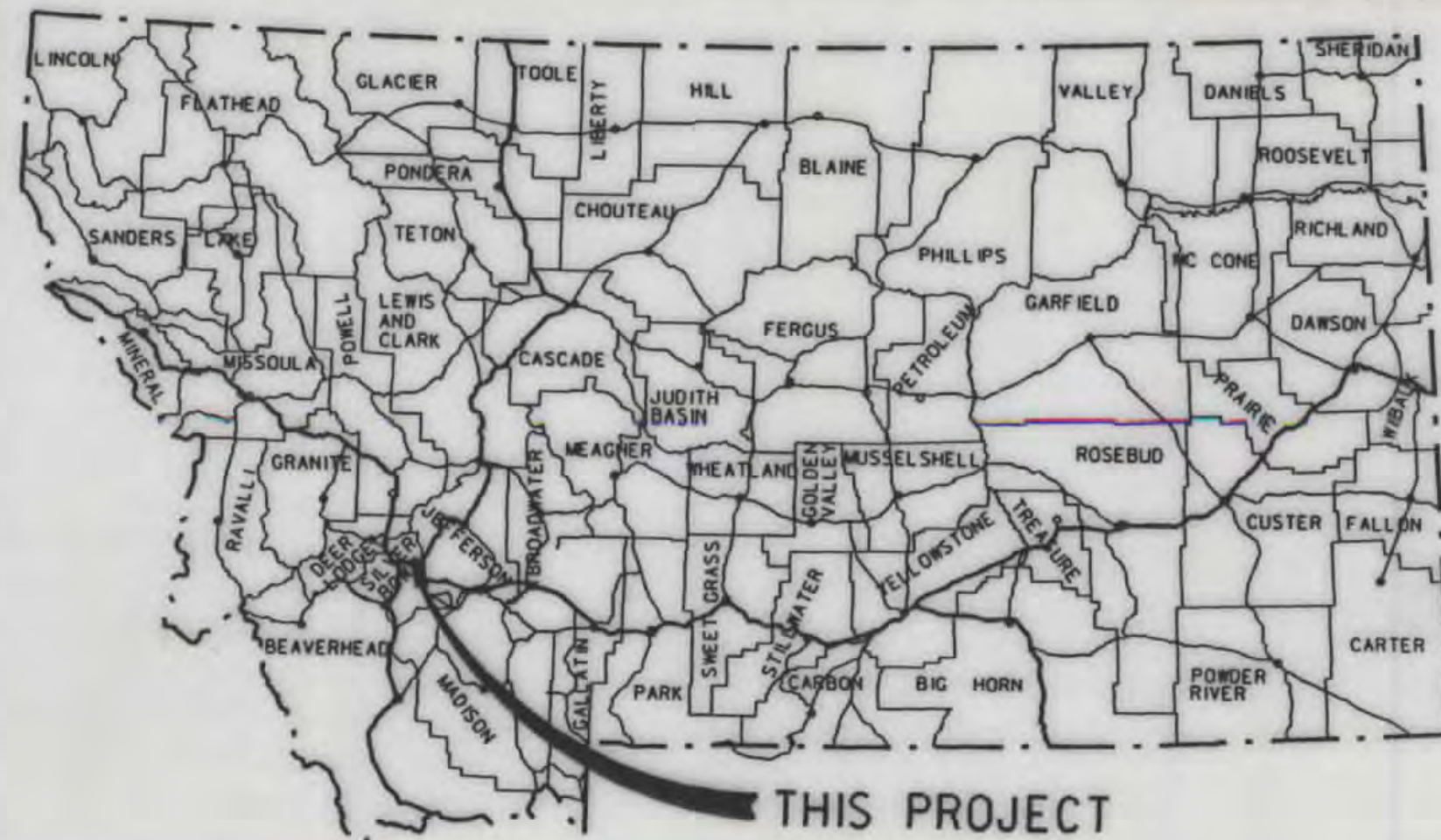
TO

SCALE

MONTANA DEPARTMENT OF TRANSPORTATION

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	STPS 276-1(4)1	1	11
PROJECT NUMBER 2820-004			
BROWN'S GULCH ROAD			

RIGHT OF WAY PLAN OF FEDERAL AID PROJECT STPS 276-1(4)1 BROWN'S GULCH ROAD SILVER BOW COUNTY

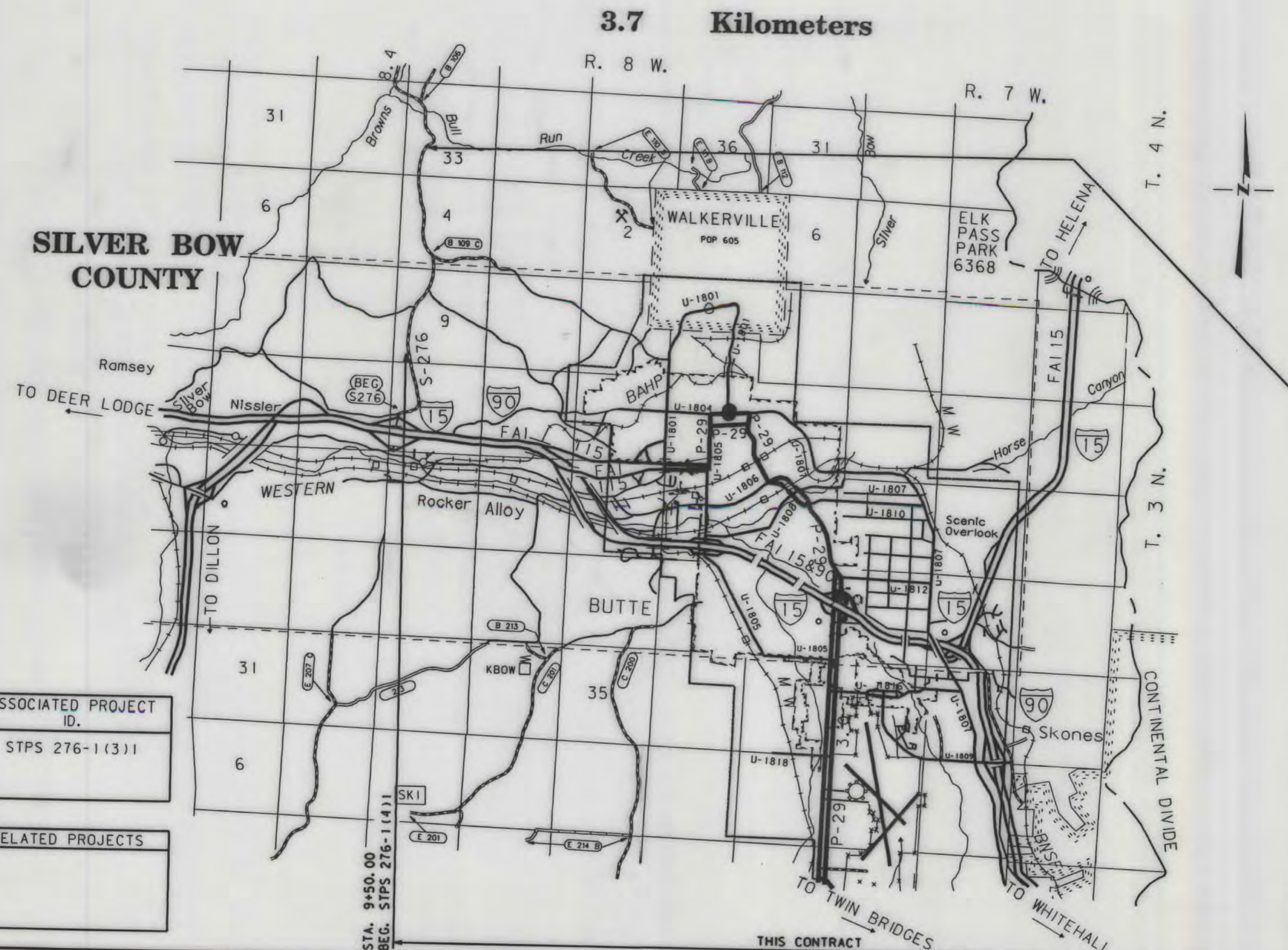


THIS PROJECT

CONVENTIONAL SIGNS

PROPOSED RIGHT OF WAY LINE	---
EXISTING RIGHT OF WAY LINE	---
RAILROAD RIGHT OF WAY LINE	---
CENTERLINE (C) OR PROJECTED LINE	---
STK'D CENTERLINE	---
SECTION LINE	---
OWNERSHIP BOUNDARY	---
FULL ACCESS CONTROL	AG AG
LIMITED ACCESS CONTROL	---
EXISTING ACCESS CONTROL	---
PRESENT TRAVELED WAY (P.T.W.)	---
FENCE LINE	---
EXISTING GUARDRAIL	---
PROPOSED GUARDRAIL	---
GATE IN FENCE	---
CATTLE GUARD: EXIST. - PROPOSED	---
SECTION CORNER	FOUND UNFOUND
1/4 SECTION CORNER	---
CLOSING CORNER	---
MEANDER CORNER	---
CENTER OF SECTION	---
RIGHT OF WAY MONUMENT	---
PROPERTY CORNER PIN	---
POWER POLE IN PLACE	---
TELEPHONE POLE IN PLACE	---
TELEGRAPH POLE IN PLACE	---
LIGHT POLE	---
PROPOSED CULVERT	---
EXISTING CULVERT	---
OUTLET DITCH	---
INLET DITCH	---
EXISTING DITCH	---
CHANNEL CHANGES	---
DITCH BLOCK	---
RIPRAP	---
BRIDGES	---
RAILROADS	---
PARCEL NUMBERS	---
APPROACH: EXIST. - PROPOSED	---

SILVER BOW COUNTY



SEE SHEET NO. 2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

STATE PLANE COORDINATE NOTE
THIS IS A STATE PLANE COORDINATE PROJECT. ALL DIMENSIONS, DISTANCES AND AREAS ON THIS PROJECT ARE GRID, EXCEPT FOR THE R/W WIDTH, WHICH IS RECORD. THE COMBINATION FACTOR IS 0.99927057.

NOTES: 1. ALL MEASUREMENTS ARE METRIC EXCEPT AS NOTED

ASSOCIATED PROJECT ID.
STPS 276-1(3)1

RELATED PROJECTS

FHWAMDT APPROVAL
MAP REVISED 6-21-99

ENGINEERING

RDROW

MONTANA CADD

3
2
1

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	STPS 276-1(4)1	3	11

PROJECT NUMBER 2820-004

BROWN'S GULCH ROAD

SW⁴ NW⁴
SEC. 9

ROSALBA PLACER
MS#8202

NOTE:
SEE DETAIL SHEET 10
FOR EASEMENT
INFORMATION.

PI=15+95.54
Δ = 44° 51' 40" (RT)
Rc = 500 m
Ls = 40.00 m
θs = 2° 17' 31"
Δc = 40° 16' 39" (RT)
Ts = 226.45 m
Lc = 351.49 m
Es = 41.07 m
S = 5%

SE⁴ NW⁴
SEC. 9
ROSALBA PLACER
MS#8202

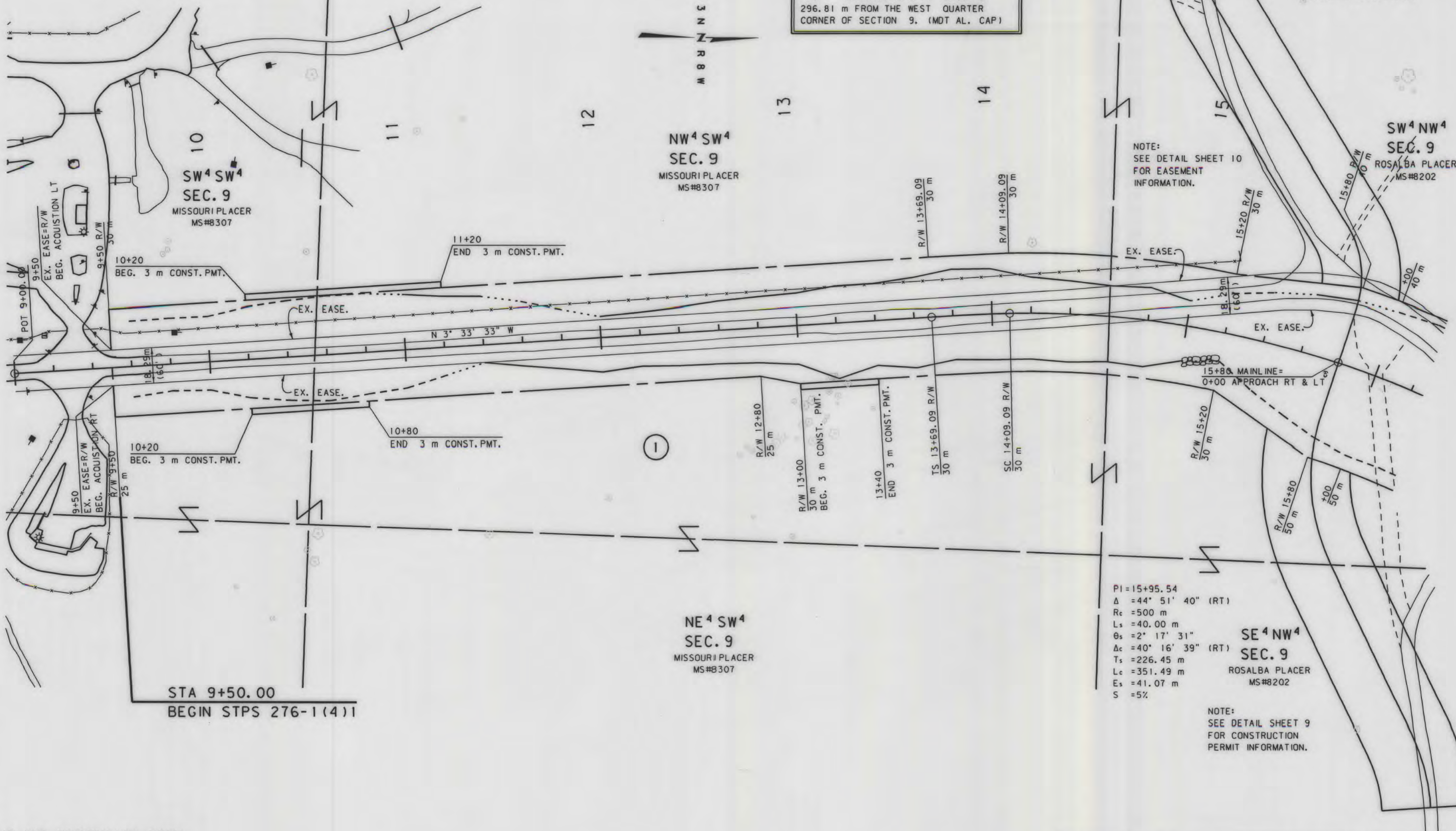
NOTE:
SEE DETAIL SHEET 9
FOR CONSTRUCTION
PERMIT INFORMATION.

T.S. 13+69.09 IS S 70° 12' 06" E
296.81 m FROM THE WEST QUARTER
CORNER OF SECTION 9. (MDT AL. CAP)

NW⁴ SW⁴
SEC. 9
MISSOURI PLACER
MS#8307

NE⁴ SW⁴
SEC. 9
MISSOURI PLACER
MS#8307

SEE SHEET NO. 2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.



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WHICH IS RECORD.
THE COMBINATION FACTOR IS 0.99927057.

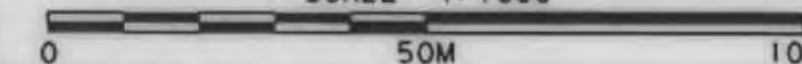
- NOTES: 1. ALL MEASUREMENTS ARE METRIC EXCEPT AS NOTED
2. THE PROPOSED R/W LINE WHERE A SPIRAL CURVE
TRANSITION IS USED IS A CHORD RATHER THAN A
CONCENTRIC CURVE.

BACKSLOPE LIMITS INCLUDE ROUNDING
CONSTRUCTION LIMITS:
CUT SECTION
TOE OF FILL

FHWA/DOT APPROVAL
MAP REVISED 6-21-99

MONTANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
SILVER BOW COUNTY
SCALE 1:1000

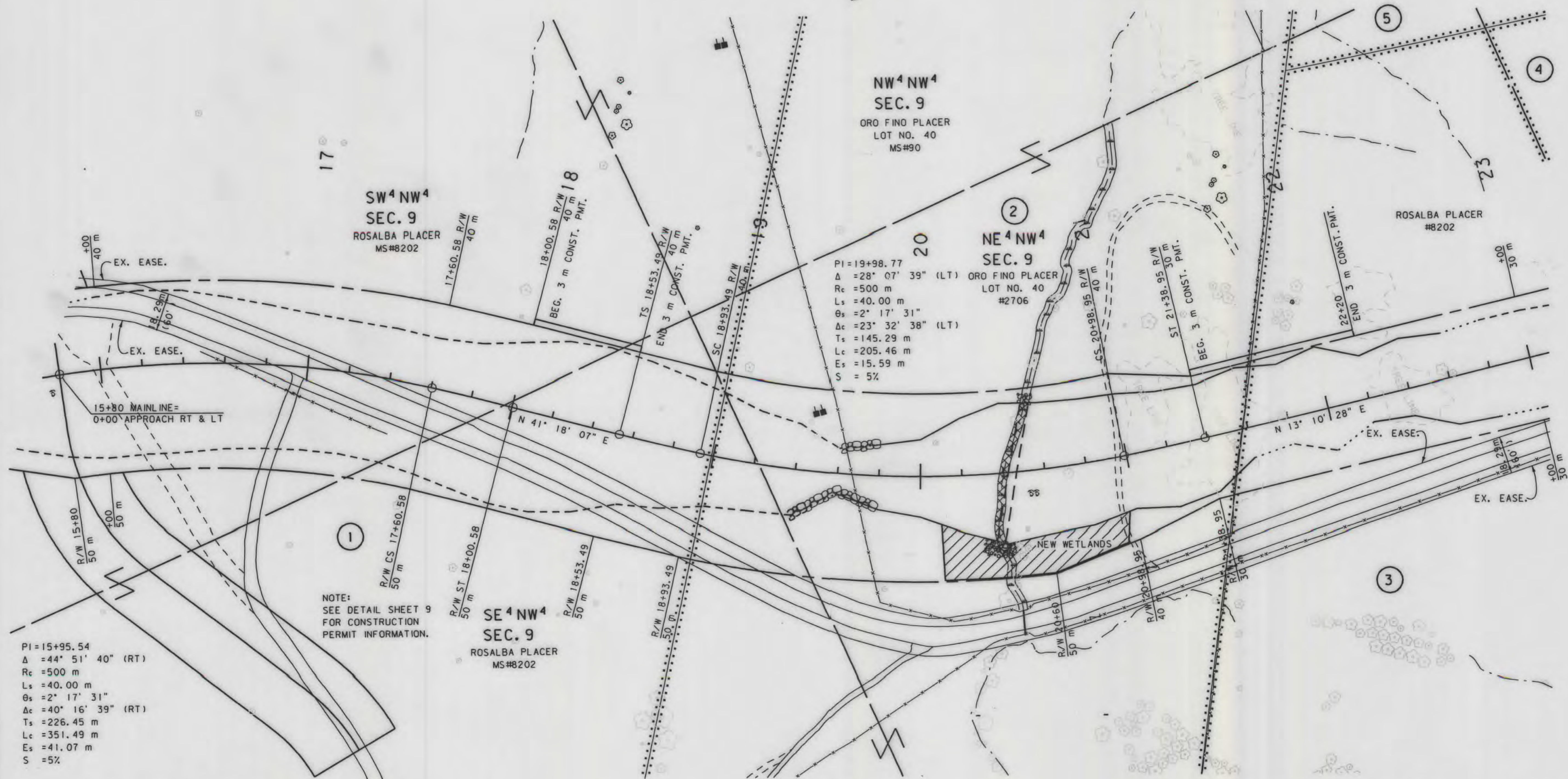


. ROW

SEE SHEET NO. FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	STPS 276-1(4)1	4	11
PROJECT NUMBER 2820-004			
BROWN'S GULCH ROAD			

P.O.T. 22+80.00 IS S 81°31'02" E
588.87 m FROM THE NORTHWEST CORNER
OF SECTION 9. (MDT AL CAP)



PI=15+95.54
Δ=44°51'40" (RT)
Rc=500 m
Ls=40.00 m
Θs=2°17'31"
Δc=40°16'39" (RT)
Ts=226.45 m
Lc=351.49 m
Es=41.07 m
S=5%

STATE PLANE COORDINATE NOTE
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PROJECT ARE GRID, EXCEPT FOR THE R/W WIDTH,
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THE COMBINATION FACTOR IS 0.99927057.

- NOTES: 1. ALL MEASUREMENTS ARE METRIC EXCEPT AS NOTED
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TRANSITION IS USED IS A CHORD RATHER THAN A
CONCENTRIC CURVE.

BACKSLOPE LIMITS INCLUDE ROUNDING
CONSTRUCTION LIMITS:
CUT SECTION
TOE OF FILL
TOP OF CUT
DITCH BOTTOM

FHWA/DOT APPROVAL _____
MAP REVISED 6-21-99

MONTANA
DEPARTMENT OF TRANSPORTATION

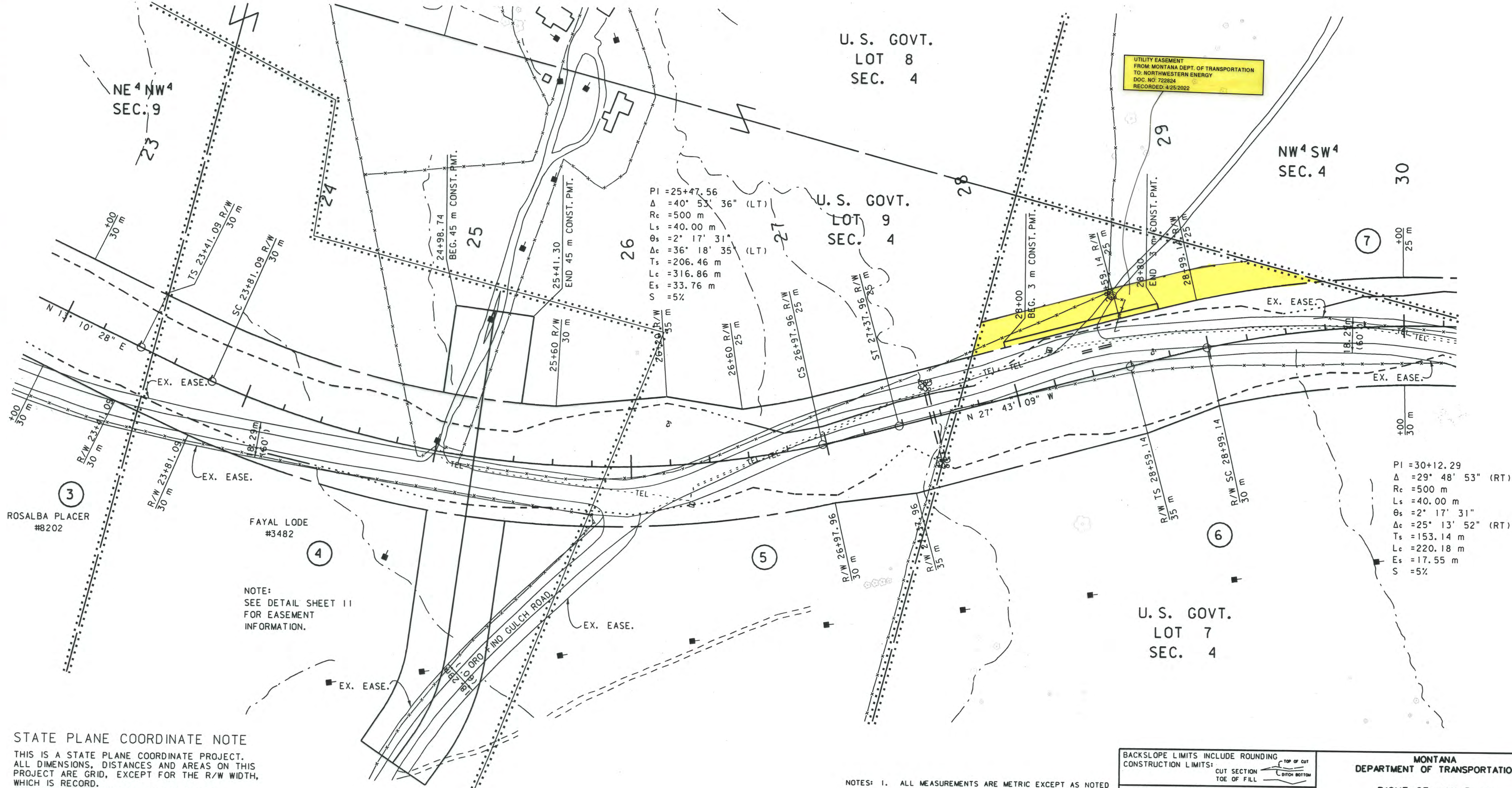
RIGHT OF WAY PLAN
SILVER BOW COUNTY
SCALE 1:1000

0 50M 100M

SEE SHEET NO.2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	STPS 276-1(4)1	5	11
PROJECT NUMBER 2820-004			
BROWN'S GULCH ROAD			

T.S. 23+41.09 IS N 89° 49' 00" E
207.81 m FROM THE SOUTH QUARTER CORNER
OF SECTION 4. (MDT AL CAP)



STATE PLANE COORDINATE NOTE
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THE COMBINATION FACTOR IS 0.99927057.

NOTE:
SEE DETAIL SHEET 11
FOR EASEMENT
INFORMATION.

BACKSLOPE LIMITS INCLUDE ROUNDING	TOP OF CUT
CONSTRUCTION LIMITS:	CUT SECTION
	TOE OF FILL
	DITCH BOTTOM
FHWA/DOT APPROVAL	2-11-99
MAP REVISED	

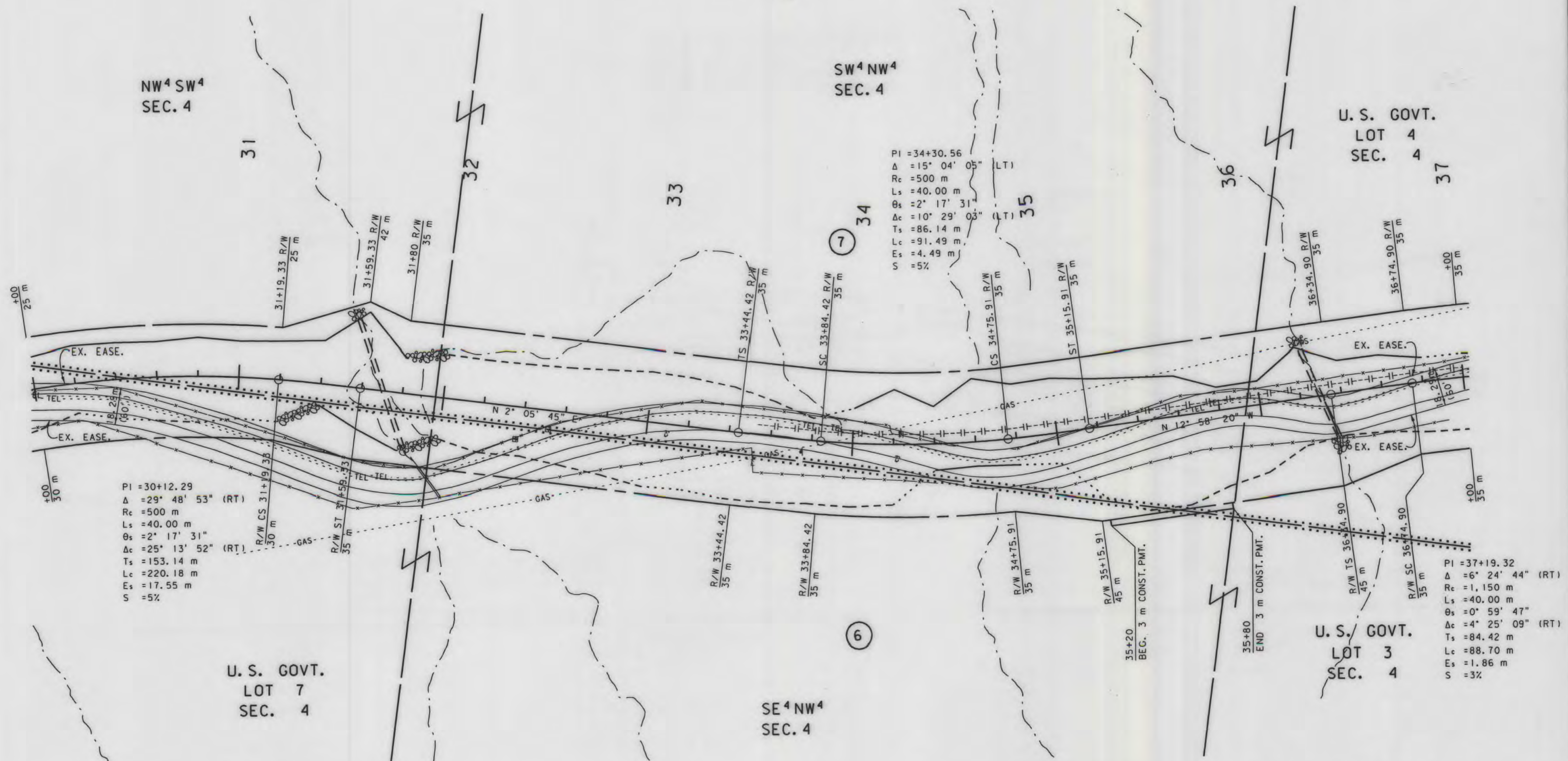
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TRANSITION IS USED IS A CHORD RATHER THAN A
CONCENTRIC CURVE.

MONTANA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN
SILVER BOW COUNTY
SCALE 1:1000

SEE SHEET NO.2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

S.T. 31+59.33 IS S 82° 25' 05" E
393.11 m FROM THE WEST QUARTER
CORNER OF SECTION 4. (MDT AL CAP)

STATE	RIGHT OF WAY ID.	SHEET TOTAL	
		NO.	SHEETS
MONTANA	STPS 276-1(4)1	6	11
PROJECT NUMBER 2820-004			
BROWN'S GULCH ROAD			



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 THE COMBINATION FACTOR IS 0.99927057.

NOTES: 1. ALL MEASUREMENTS ARE METRIC EXCEPT AS NOTED
 2. THE PROPOSED R/W LINE WHERE A SPIRAL CURVE
 TRANSITION IS USED IS A CHORD RATHER THAN A
 CONCENTRIC CURVE.

BACKSLOPE LIMITS INCLUDE ROUNDING	CONSTRUCTION LIMITS
FWHA/DOT APPROVAL 2-11-99	CUT SECTION TOE OF FILL
MAP REVISED	

MONTANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
SILVER BOW COUNTY

SCALE 1:1000

0 50M 100M

SEE SHEET NO.2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	STPS 276-1(4)1	7	11
PROJECT NUMBER 2820-004			
BROWN'S GULCH ROAD			

P.O.C. 39+92.72 IS S 87° 52' 19" E
270.80 m FROM THE SOUTHWEST
CORNER OF SECTION 33 (BRASS CAP).

U.S. GOVT.
LOT 4
SEC. 4

SW 4 SW 4
SEC. 33

P.O.C. 39+92.72 IS N 87° 52' 11" W
128.91 m FROM THE 1/16TH CORNER
CORNER OF SECTION 33.

R/W 40+20
PI = 40+45.42
Δ = 17° 55' 27" (RT)
Rc = 500 m
Ls = 40.00 m
θs = 2° 17' 31"
Δc = 13° 20' 26" (RT)
Ts = 98.87 m
Lc = 116.42 m
Es = 6.31 m
S = 5%

PI = 43+68.91
Δ = 22° 45' 23" (RT)
Rc = 500 m
Ls = 40.00 m
θs = 2° 17' 31"
Δc = 18° 10' 22" (RT)
Ts = 120.65 m
Lc = 158.59 m
Es = 10.16 m
S = 5%

PI = 37+19.32
Δ = 6° 24' 44" (RT)
Rc = 1,150 m
Ls = 40.00 m
θs = 0° 59' 47"
Δc = 4° 25' 09" (RT)
Ts = 84.42 m
Lc = 88.70 m
Es = 1.86 m
S = 3%

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PROJECT ARE GRID, EXCEPT FOR THE R/W WIDTH,
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NOTES: 1. ALL MEASUREMENTS ARE METRIC EXCEPT AS NOTED
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TRANSITION IS USED IS A CHORD RATHER THAN A
CONCENTRIC CURVE.

BACKSLOPE LIMITS INCLUDE ROUNDING
CONSTRUCTION LIMITS:
CUT SECTION
TOE OF CUT
TOE OF FILL
DITCH BOTTOM
FHWA/DOT APPROVAL 2-11-99
MAP REVISED

MONTANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
SILVER BOW COUNTY

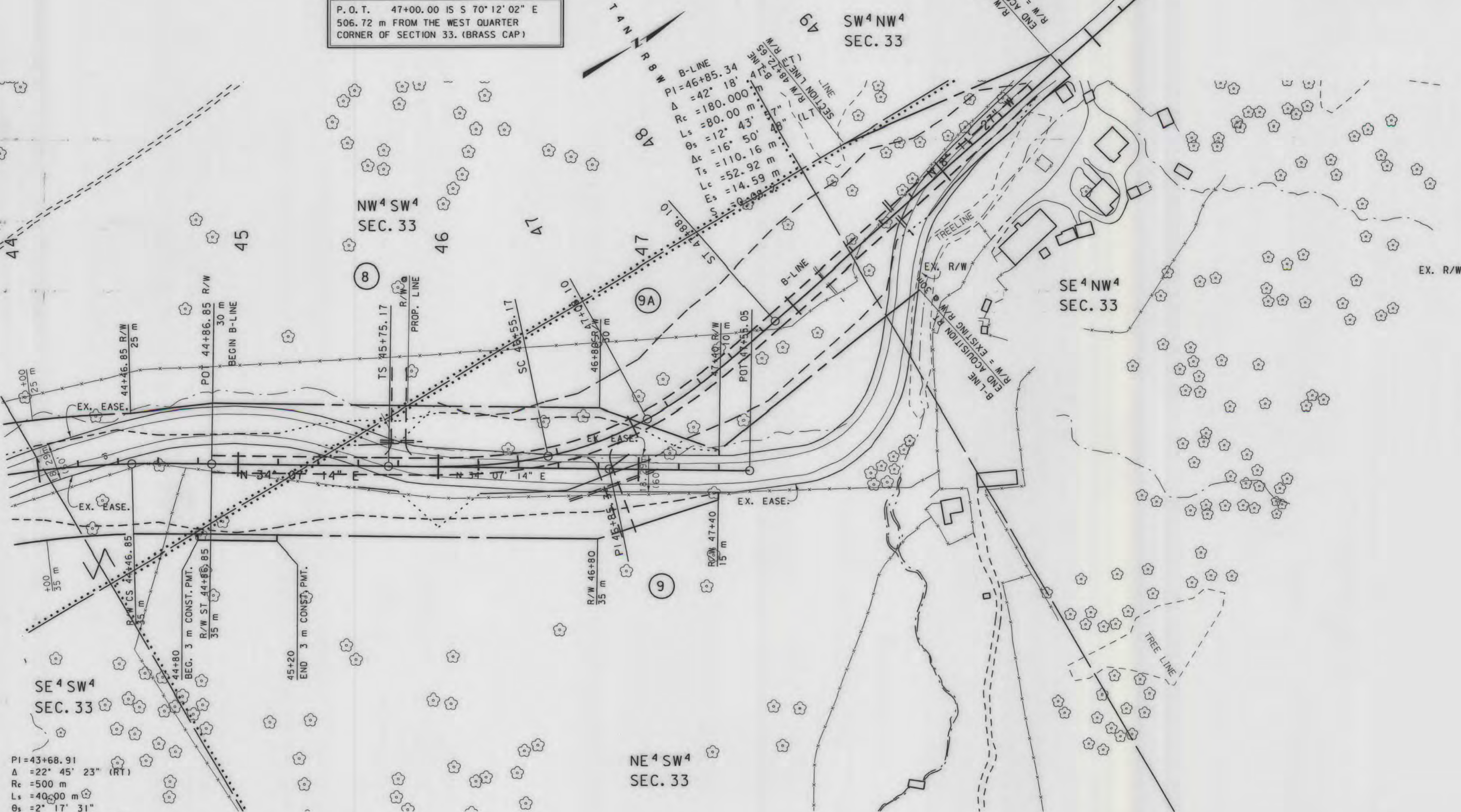
SCALE 1" = 1000'

0 50M 100M

SEE SHEET NO. 2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

P.O.T. 47+00.00 IS S 70° 12' 02" E
506.72 m FROM THE WEST QUARTER
CORNER OF SECTION 33. (BRASS CAP)

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	STPS 276-1(4)1	8	11
PROJECT NUMBER 2820-004			
BROWN'S GULCH ROAD			



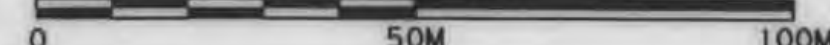
PI=43+68.91
Δ = 22° 45' 23" (RT)
Rc = 500 m
Ls = 40.00 m
θs = 2° 17' 31"
Δc = 18° 10' 22" (RT)
Ts = 120.65 m
Lc = 158.59 m
Es = 10.16 m
S = 5%

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THE COMBINATION FACTOR IS 0.99927057.

- NOTES: 1. ALL MEASUREMENTS ARE METRIC EXCEPT AS NOTED
2. THE PROPOSED R/W LINE WHERE A SPIRAL CURVE TRANSITION IS USED IS A CHORD RATHER THAN A CONCENTRIC CURVE.
3. THE ENGLISH AREAS ARE FOR INFORMATIONAL PURPOSES ONLY.

BACKSLOPE LIMITS INCLUDE ROUNDING	CUT SECTION
CONSTRUCTION LIMITS:	TOE OF CUT
	TOE OF FILL
FHWA/DOT APPROVAL	
MAP REVISED 6-21-99 10-4-00	

MONTANA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN
SILVER BOW COUNTY
SCALE 1:1000



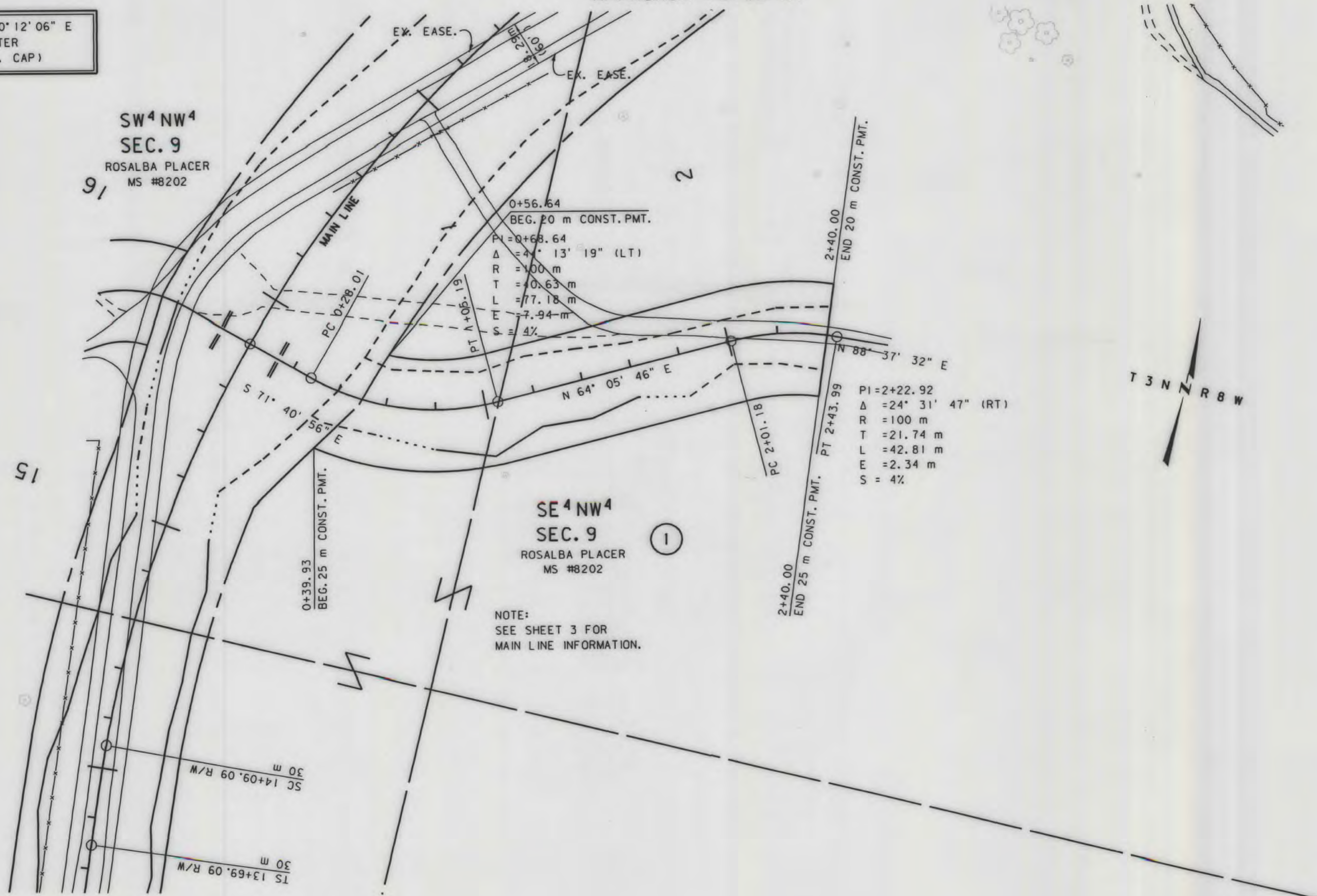
SEE SHEET NO. 2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

T.S. MAIN LINE 13+69.09 IS S 70°12'06" E
296.81 m FROM THE WEST QUARTER
CORNER OF SECTION 9. (MDT AL. CAP)

SW⁴NW⁴
SEC. 9
ROSALBA PLACER
MS #8202

DETAIL

APPROACH 15+80 RT



NOTE:
SEE SHEET 3 FOR
MAIN LINE INFORMATION.

NOTE: 0+00 APPROACH = 15+80 RT MAIN LINE

STATE PLANE COORDINATE NOTE

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TRANSITION IS USED IS A CHORD RATHER THAN A
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STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	STPS 276-1(4)1	9	11
PROJECT NUMBER 2820-004			
BROWN'S GULCH ROAD			

BACKSLOPE LIMITS INCLUDE ROUNDING
CONSTRUCTION LIMITS: CUT SECTION TOE OF FILL

FHWA/DOT APPROVAL

MAP REVISED 6-21-99

MONTANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
SILVER BOW COUNTY
SCALE 1"=1000'

0 50M 100M

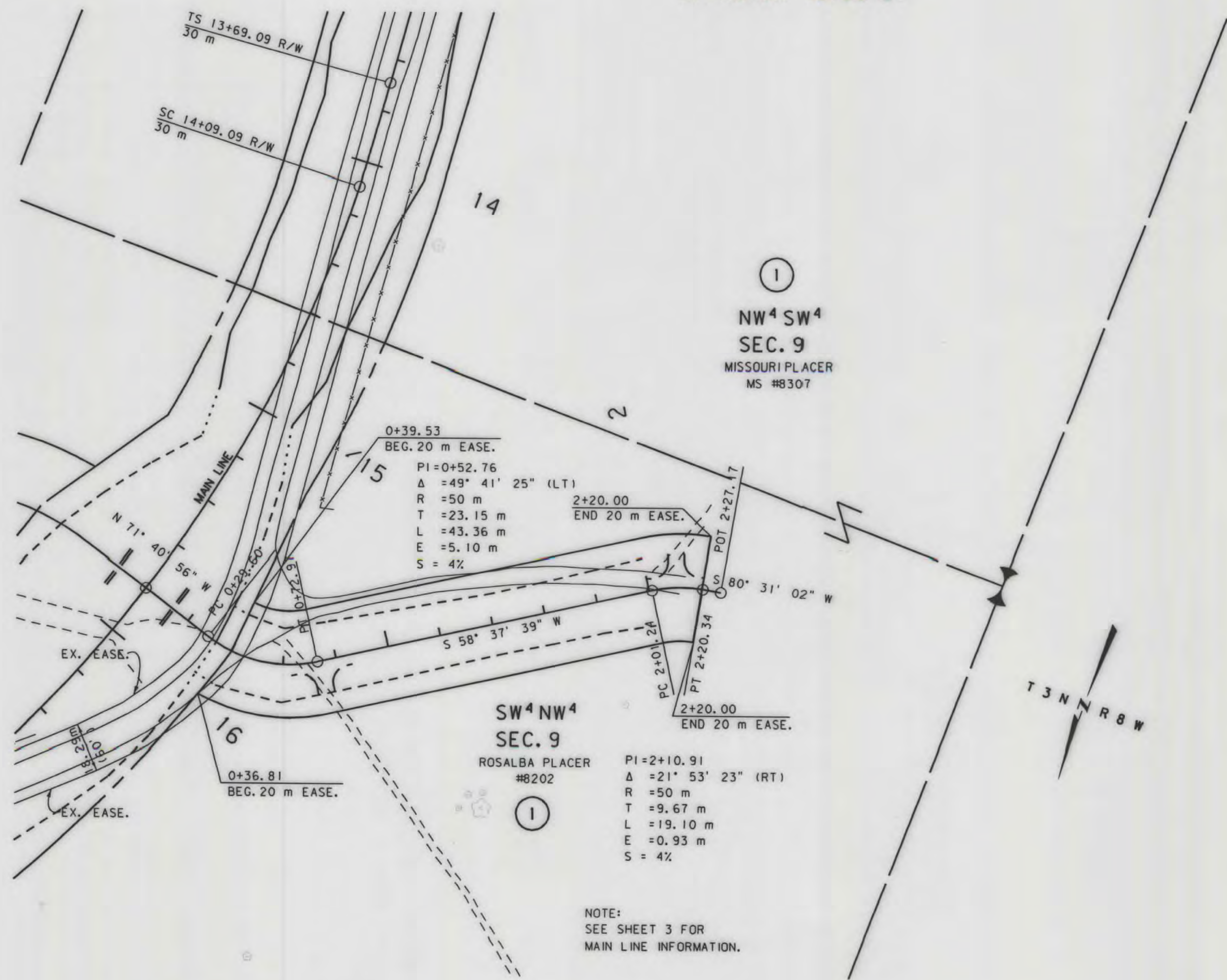
SEE SHEET NO. FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

DETAIL

APPROACH 15+80 LT

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	STPS 276-1(4)1	10	11
PROJECT NUMBER 2820-004			
BROWN'S GULCH ROAD			

T.S. MAIN LINE 13+69.09 IS S 70° 12' 06" E
296.81 m FROM THE WEST QUARTER
CORNER OF SECTION 9. (MDT AL. CAP)



NOTE: 0+00 APPROACH - 15+80 LT MAIN LINE

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BACKSLOPE LIMITS INCLUDE ROUNDING
CONSTRUCTION LIMITS:
FHWA/DOT APPROVAL
MAP REVISED 6-21-99

MONTANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
SILVER BOW COUNTY

SCALE 1:1000

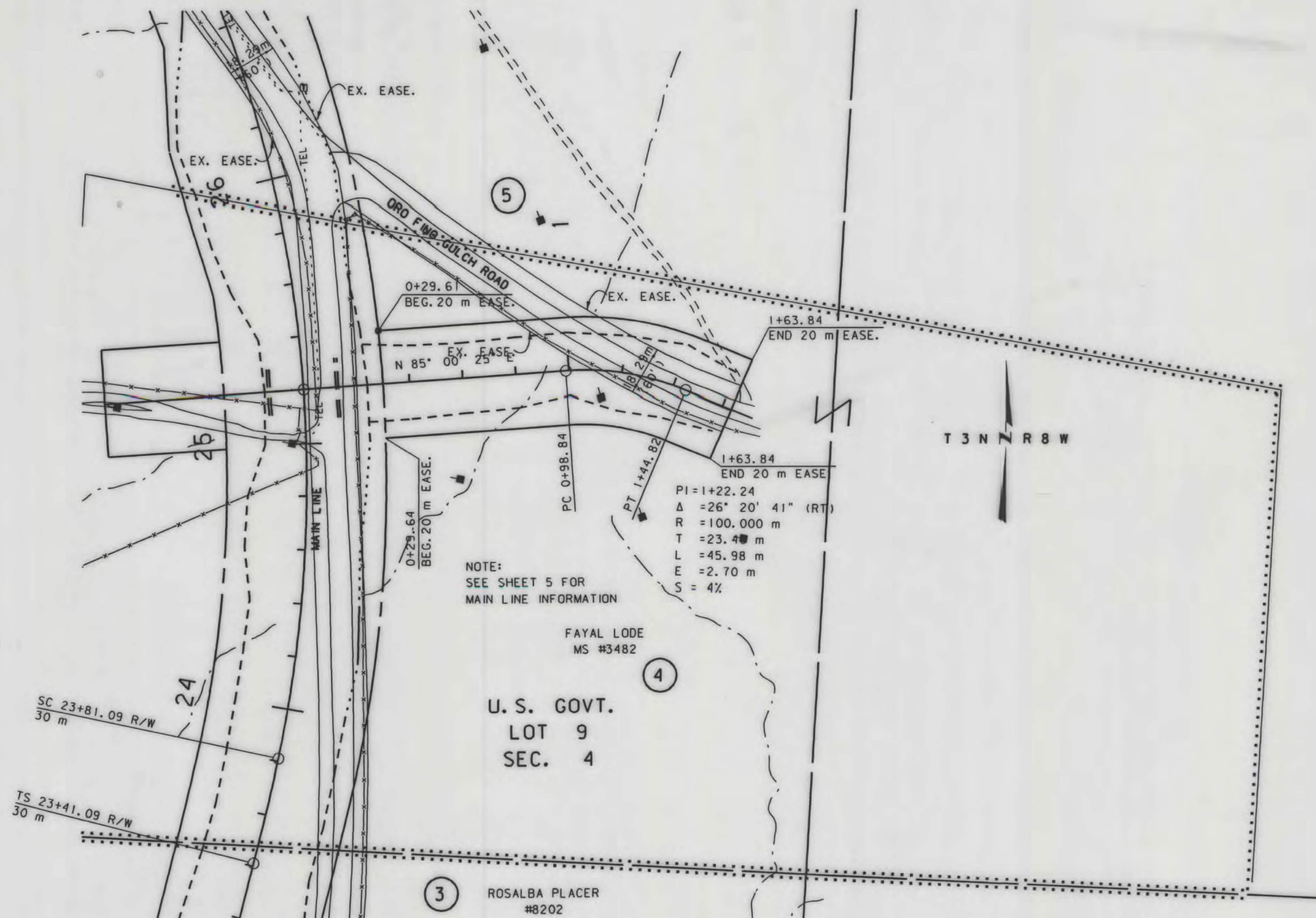
0 50M 100M

SEE SHEET NO. 2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

DETAIL APPROACH 25+20 RT

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	STPS 276-1(4)1	11	11
PROJECT NUMBER 2820-004			
BROWN'S GULCH ROAD			

T.S. MAIN LINE 23+41.09 IS N 89° 49' 00" E
207.81 m FROM THE SOUTH QUARTER CORNER
OF SECTION 4. (MDT AL CAP)



NOTE:
SEE SHEET 5 FOR
MAIN LINE INFORMATION

FAYAL LODE
MS #3482

U.S. GOVT.
LOT 9
SEC. 4

ROSALBA PLACER
#8202

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NOTE: 0+00 APPROACH = 25+20 RT MAIN LINE

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BACKSLOPE LIMITS INCLUDE ROUNDING
CONSTRUCTION LIMITS:

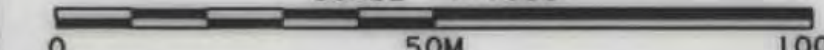
CUT SECTION
TOE OF FILL

FHWA/DOT APPROVAL

MAP REVISED 6-21-99

MONTANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
SILVER BOW COUNTY
SCALE 1:1000



. ROW