

PLANS
NOT
TO
SCALE

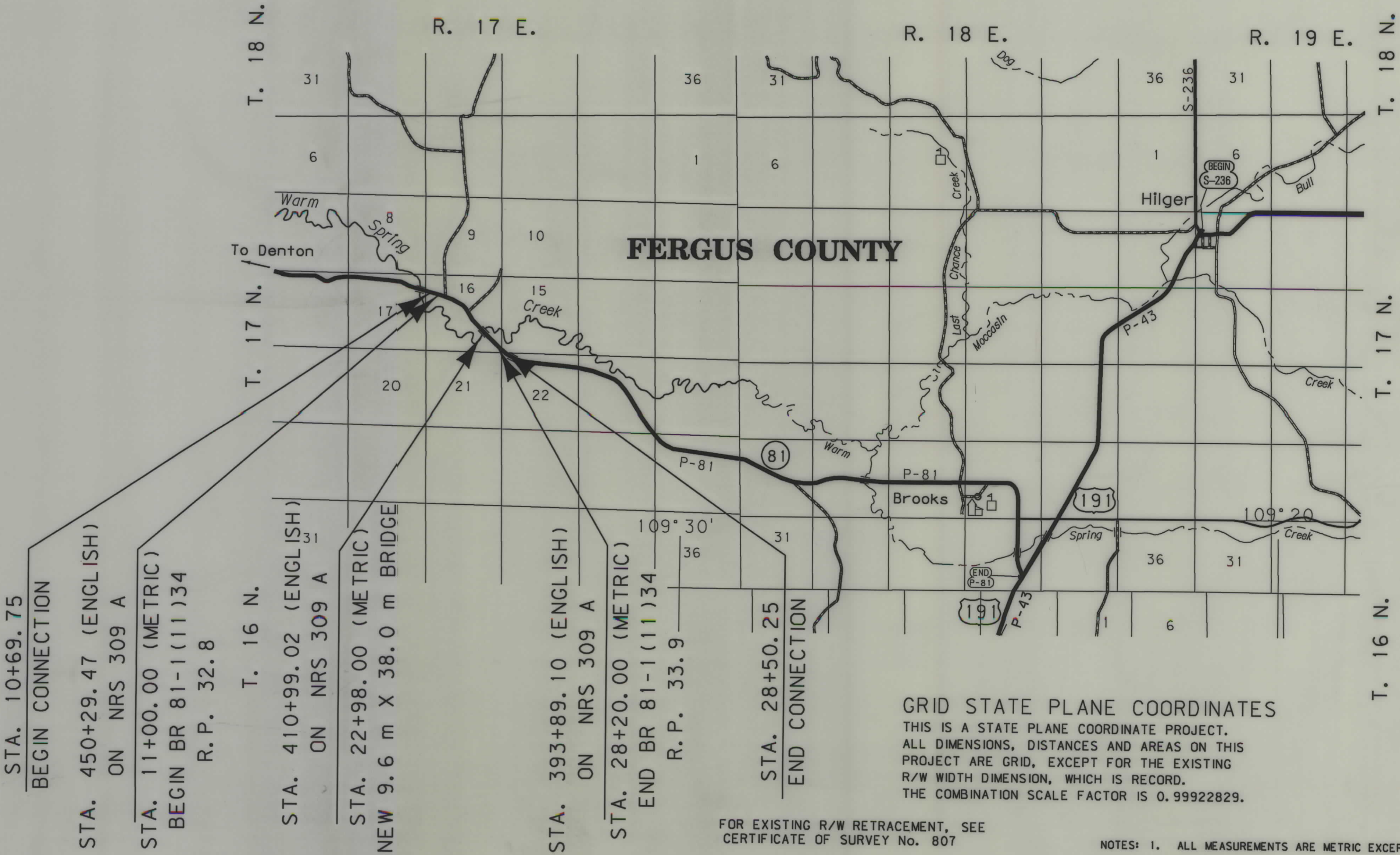
MONTANA DEPARTMENT OF TRANSPORTATION

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	BR 81-1(16)34	1	5
PROJECT NUMBER 4693-016			
WARM SPRING CR - 20 KM SW HILGER			

RIGHT OF WAY PLAN OF FEDERAL AID PROJECT BR 81-1(16)34 WARM SPRING CR - 20 KM SW HILGER FERGUS COUNTY

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

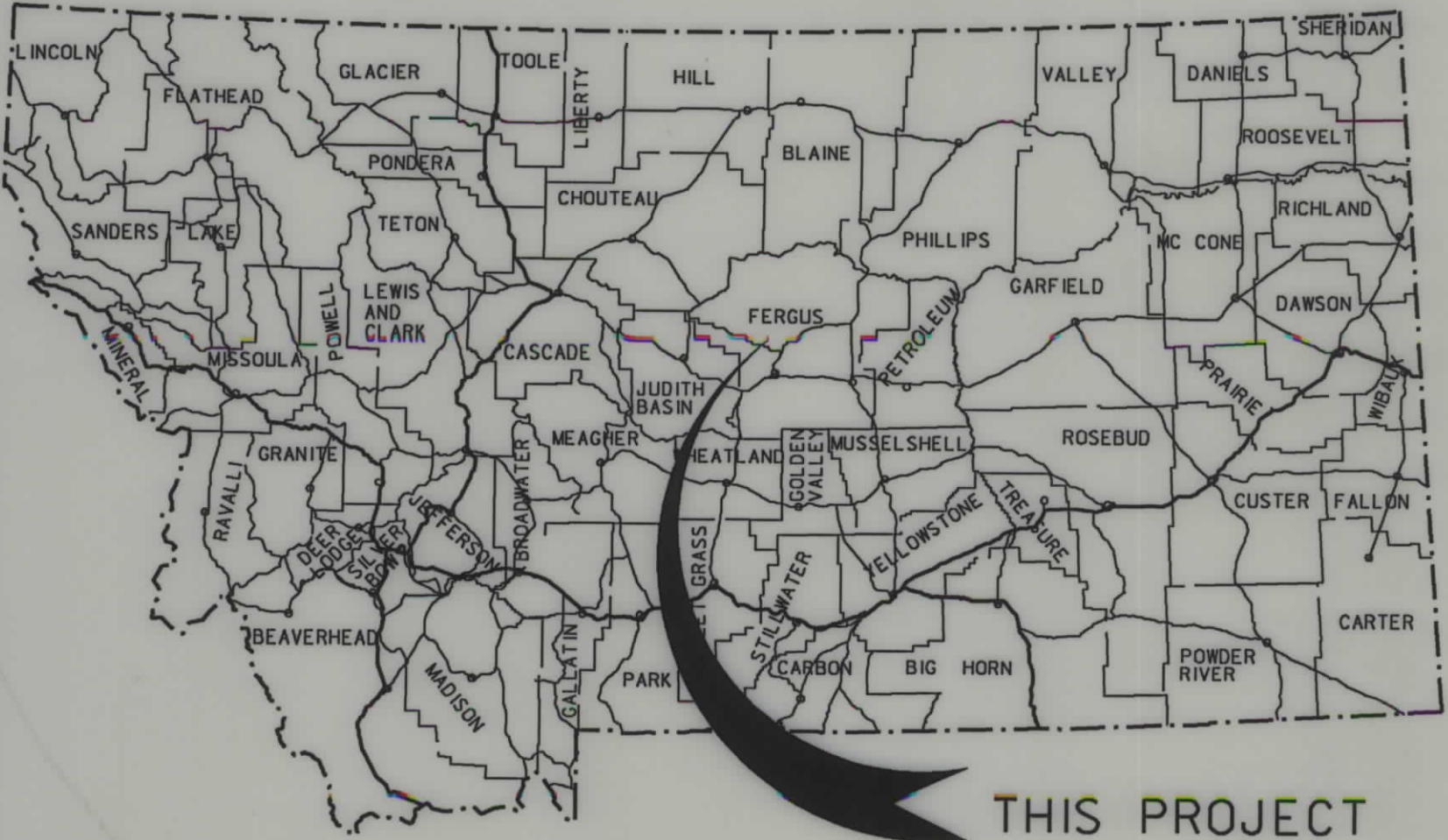
1.8 Kilometers



GRID STATE PLANE COORDINATES
THIS IS A STATE PLANE COORDINATE PROJECT.
ALL DIMENSIONS, DISTANCES AND AREAS ON THIS
PROJECT ARE GRID, EXCEPT FOR THE EXISTING
R/W WIDTH DIMENSION, WHICH IS RECORD.
THE COMBINATION SCALE FACTOR IS 0.99922829.

FOR EXISTING R/W RETRACEMENT, SEE
CERTIFICATE OF SURVEY No. 807

NOTES: 1. ALL MEASUREMENTS ARE METRIC EXCEPT AS NOTED



CONVENTIONAL SIGNS

PROPOSED RIGHT OF WAY LINE	---
EXISTING RIGHT OF WAY LINE	---
RAILROAD RIGHT OF WAY LINE	---
RIGHT OF WAY BASELINE	---
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	FOUND UNFOUND
CLOSING CORNER	FOUND UNFOUND
MEANDER CORNER	FOUND UNFOUND
CENTER OF SECTION	FOUND CALCULATED
RIGHT OF WAY MONUMENT	FOUND CALCULATED
PROPERTY CORNER PIN	FOUND CALCULATED
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	---

ASSOCIATED PROJECT ID.
BR 81-1(16)34 P.E.

RELATED PROJECTS
FAP 309 FAP 309-B

FHWAMDT APPROVAL	3-2-06
MAP REVISED	4-4-06

STA. 10+69.75
BEGIN CONNECTION

STA. 450+29.47 (ENGLISH)
ON NRS 309 A

STA. 11+00.00 (METRIC)
BEGIN BR 81-1(11)34

R.P. 32.8

T. 16 N.

STA. 410+99.02 (ENGLISH)
ON NRS 309 A

STA. 22+98.00 (METRIC)
NEW 9.6 m X 38.0 m BRIDGE

STA. 393+89.10 (ENGLISH)
ON NRS 309 A

STA. 28+20.00 (METRIC)
END BR 81-1(11)34

R.P. 33.9

STA. 28+50.25
END CONNECTION



RDROW

c:\data\4693rdrow\001.dgn
4/14/2006
11:13:20 AM
NIPS - 09582

OWNERSHIP																			
PARCEL	NAME	ADDRESS	TOTAL AREA		GROSS R/W AREA		EX. EASE. AREA		NET AREA		REMAINDER				CONST. PMT. AREA		EASE. AREA		SHEET NO.
			METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	LEFT		RIGHT		METRIC	ENGLISH	METRIC	ENGLISH	
1	STATE OF MONTANA, D. N. R. C.	HELENA, MONTANA	64.75 ha ±	160 AC±	10.280 ha	25.40 AC	3.596 ha	8.89 AC	6.684 ha	16.52 AC					0.539 ha	1.33 AC			3-5
2	JOHNSON FAMILY TRUST, DATED 11-28-00 MARGARET H. & ROGER P. JOHNSON, TRUSTEES	446 TRECARTES, UNIT 3, SPRING CREEK, NEVADA 89815					FOR OWNER NOTIFICATION ONLY												5
3	DAVID J. VANEK & BARBARA L. VANEK, TRUSTEES OF THE VANEK FAMILY REVOCABLE TRUST, EXCUTED 9-27-95.	RR 3 BOX 3108, LEWISTOWN, MONTANA 59457					FOR OWNER NOTIFICATION ONLY												5
4	WILLIAM J. SNAPP & PATRICIA L. SNAPP	RT. 3, BOX 3138, LEWISTOWN, MONTANA 59457					FOR OWNER NOTIFICATION ONLY												5

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	BR 81-1(16)34	2	5
PROJECT NUMBER 4693-016			
WARM SPRING CR - 20 KM SW HILGER			
RIGHT-OF-WAY COORDINATE ASCII FILES			
R/W BREAK COORDS: 4693ROBRK001.TXT			
R/W BASELINE COORDS: 4693ROBAS001.TXT			
ALL FILES ARE LOCATED ON THE CADD SERVER IN THE RO DIRECTORY, UNDER PROJECT: 4693			

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R/W WIDTH DIMENSION, WHICH IS RECORD. THE
COMBINATION SCALE FACTOR IS 0.99922829.

- 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.
4. ALL STATIONS AND OFFSETS FOR R/W BREAKS ARE
IN REFERENCE TO THE R/W BASELINE.

BACKSLOPE LIMITS INCLUDE ROUNDING
CONSTRUCTION LIMITS: CUT SECTION TOE OF FILL
FHWA/DOT APPROVAL 3-2-06
MAP REVISED

MONTANA DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN FERGUS COUNTY

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

STATE	RIGHT OF WAY ID.	SHEET NO.	TOTAL SHEETS
MONTANA	BR 81-1(16)34	3	5
PROJECT NUMBER 4693-016			
WARM SPRING CR - 20 KM SW HILGER			

NW⁴NW⁴
SEC. 16

NE⁴NW⁴
SEC. 16

SW⁴NE⁴
SEC. 16

POT 11+00.00 IS
N 74° 16' 41" W, 1323.04 m
FROM THE EAST QUARTER
CORNER OF SECTION 16.
(END CORNER)

TOTAL	16.187 ha	(40.00 AC)
GROSS	1.482 ha	(3.67 AC)
EXISTING EASEMENT	0.674 ha	(1.67 AC)
NET	0.808 ha	(2.00 AC)
REMAINDER LT.	12.960 ha	(32.02 AC)
REMAINDER RT.	1.745 ha	(4.31 AC)
EASEMENTS	ha	(AC)
CONST. PERMITS	0.004 ha	(0.01 AC)

PI = 16+19.45
Δ = 56° 37' 00" (RT)
Rc = 800 m
Ls = 50.00 m
θs = 1° 47' 26"
Δc = 53° 02' 08" (RT)
Ts = 455.98 m
Lc = 740.52 m
Es = 108.82 m
S = 5 %

TOTAL	16.187 ha	(40.00 AC)
GROSS	2.178 ha	(5.38 AC)
EXISTING EASEMENT	0.943 ha	(2.33 AC)
NET	1.235 ha	(3.05 AC)
REMAINDER LT.	2.617 ha	(6.47 AC)
REMAINDER RT.	11.392 ha	(28.15 AC)
EASEMENTS	ha	(AC)
CONST. PERMITS	ha	(AC)

STA. 11+00.00 (METRIC)
BEGIN BR 81-1(11)34 =
STA. 455+94.13 (ENGLISH)
NRS 309 A
(LEWISTOWN-DENTON RD)

TOTAL	16.187 ha	(40.00 AC)
GROSS	0.452 ha	(1.12 AC)
EXISTING EASEMENT	0.217 ha	(0.54 AC)
NET	0.235 ha	(0.58 AC)
REMAINDER LT.	ha	(AC)
REMAINDER RT.	ha	(AC)
EASEMENTS	ha	(AC)
CONST. PERMITS	ha	(AC)

SW⁴NW⁴
SEC. 16

SE⁴NW⁴
SEC. 16

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BACKSLOPE LIMITS INCLUDE ROUNDING	TOP OF CUT
CONSTRUCTION LIMITS:	CUT SECTION
	TOE OF FILL
FHWA/DOT APPROVAL	3-2-06
MAP REVISED	4-4-06

MONTANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
FERGUS 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	BR 81-1(16)34	4	5
PROJECT NUMBER 4693-016			
WARM SPRING CR - 20 KM SW HILGER			

TOTAL	16.187 ha	(40.00 AC)
GROSS	0.279 ha	(0.69 AC)
EXISTING EASEMENT	0.033 ha	(0.08 AC)
NET	0.246 ha	(0.61 AC)
REMAINDER LT.	15.908 ha	(39.31 AC)
REMAINDER RT.	0.000 ha	(0.00 AC)
EASEMENTS	ha	(AC)
CONST. PERMITS	ha	(AC)

PI = 23+39.09
 Δ = 21° 54' 45" (LT)
 R_c = 800 m
 L_s = 50.00 m
 θ_s = 1° 47' 26"
 Δ_c = 18° 19' 53" (LT)
 T_s = 179.89 m
 L_c = 255.96 m
 E_s = 14.99 m
 S = 5%

PI = 16+19.45
 Δ = 56° 37' 00" (RT)
 R_c = 800 m
 L_s = 50.00 m
 θ_s = 1° 47' 26"
 Δ_c = 53° 02' 08" (RT)
 T_s = 455.98 m
 L_c = 740.52 m
 E_s = 108.82 m
 S = 5%

TOTAL	16.187 ha	(40.00 AC)
GROSS	2.898 ha	(7.16 AC)
EXISTING EASEMENT	0.501 ha	(1.24 AC)
NET	2.397 ha	(5.92 AC)
REMAINDER LT.	2.647 ha	(6.51 AC)
REMAINDER RT.	10.642 ha	(26.30 AC)
EASEMENTS	ha	(AC)
CONST. PERMITS	0.337 ha	(0.83 AC)

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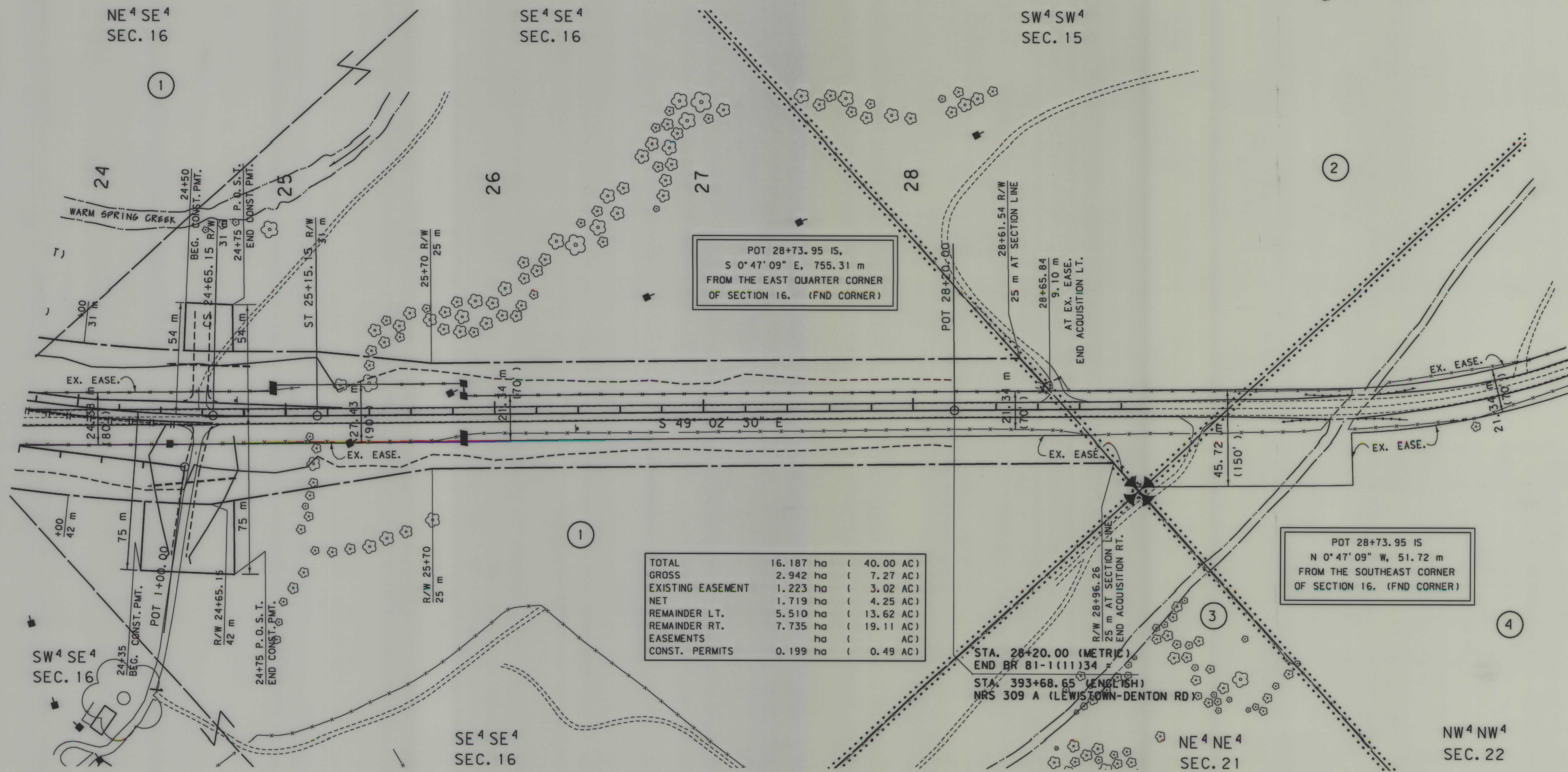
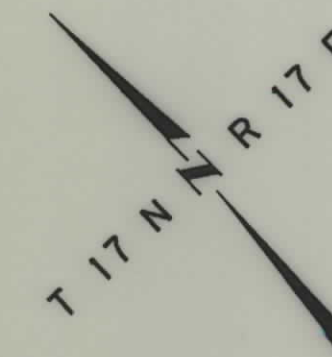
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BACKSLOPE LIMITS INCLUDE ROUNDING	
CONSTRUCTION LIMITS:	CUT SECTION TOE OF FILL
FHWA/DOT APPROVAL	3-2-06
MAP REVISED	4-4-06

MONTANA DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN FERGUS COUNTY
SCALE 1:1000
0 50M 100M

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

