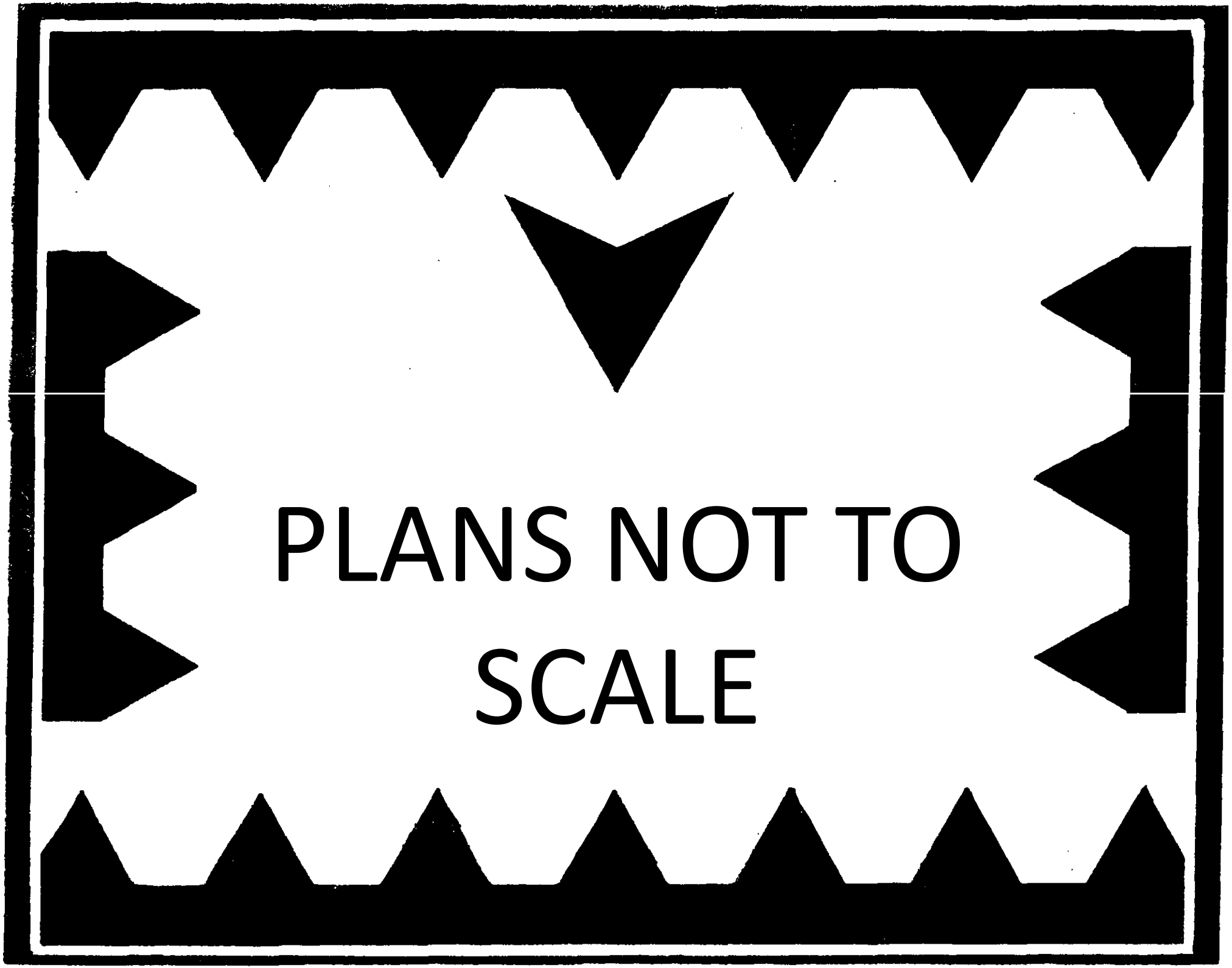
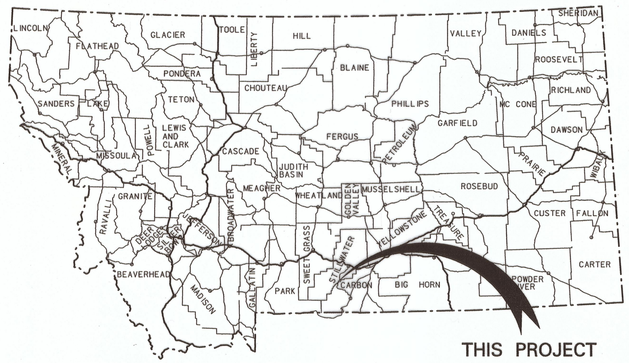

PLANS NOT TO
SCALE

# MONTANA DEPARTMENT OF TRANSPORTATION

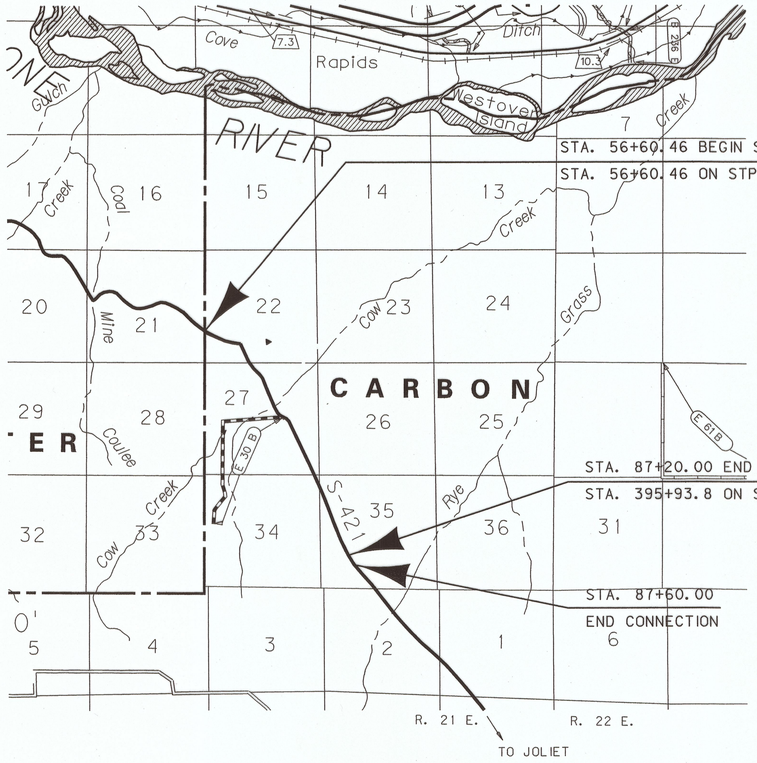
| STATE | RIGHT OF WAY ID. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| MONTANA | STPS 421-2(4)9 | 1 | 8 |
| PROJECT NUMBER 4487-004 | | | |
| CARBON CO LINE - EAST | | | |




# RIGHT OF WAY PLAN OF FEDERAL AID PROJECT NO. STPS 421-2(4)9 CARBON CO LINE – EAST

## CARBON COUNTY

### LENGTH 3.1 Kilometers




STA. 56+60.46 BEGIN STPS 421-2(3)9 (Metric) =
STA. 56+60.46 ON STPS 421-1(4)6 (Metric)

THIS CONTRACT
RP 8.63 TO RP 10.66

STA. 87+20.00 END STPS 421-2(3)9 (Metric) =
STA. 395+93.8 ON S-154 (5) (English)

STA. 87+60.00
END CONNECTION

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

## 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 (AC)
- 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 (CH. CH.)
- DITCH BLOCK
- RIPRAP
- BRIDGES
- RAILROADS
- PARCEL NUMBERS (2)
- APPROACH: EXIST.- PROPOSED

| ASSOCIATED PROJECT ID. |
|---|
| STPS 421-2(2)9 P.E. |

| RELATED PROJECTS |
|---|
| S-154(4) |

FHWA/MDT APPROVAL 11-22-02

MAP REVISED

## 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 0.99952460

NOTES: 1. ALL MEASUREMENTS ARE METRIC EXCEPT AS NOTED

WWC ENGINEERING

RDROW

MONTANA CADD

3
2
1

STPS 421-2(4)9 SHT 1 OF 8

## OWNERSHIP

| PARCEL | NAME | ADDRESS | TOTAL AREA | | GROSS R/W AREA | | EX. EASE. AREA | | NET AREA | | REMAINDER LEFT | | REMAINDER RIGHT | | CONST. PMT. AREA | | EASE. AREA | | SHEET NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | |
| 1 | BRASTRUP'S RANCH, LLC | P.O. BOX 65, 201 CARBON AVENUE | 64.75 ha ± | 160 AC ± | 3.608 ha | 8.91 AC | 0.899 ha | 2.22 AC | 2.709 ha | 6.69 AC | 64.75 ha ± | 160 AC ± | 3.707 ha | 9.16 AC | | | | | 3-4 |
| | | JOLIET, MT 59041 | | | | | | | | | | | | | | | | | |
| 2 | KARMEN NELSON, aka KARMAN NELSON | 800 HIGHWAY 421, P.O. BOX 743 | 48.562 ha | 120.00 AC | 3.205 ha | 7.92 AC | 0.904 ha | 2.23 AC | 2.301 ha | 5.69 AC | 0.545 ha | 1.35 AC | 44.812 ha | 110.73 AC | 0.168 ha | 0.42 AC | | | 3-4 |
| | | COLUMBUS, MT 59019 | | | | | | | | | | | | | | | | | |
| 3 | RIO LAND & INVESTMENT COMPANY, INC. | 1001 PIEDMONT AVE, SUITE 201 | 64.75 ha ± | 160 AC ± | 1.638 ha | 4.04 AC | 0.455 ha | 1.12 AC | 1.183 ha | 2.92 AC | 64.75 ha ± | 160 AC ± | | | 0.038 ha | 0.09 AC | ٪ 0.034 ha | ٪ 0.09 AC | 4-5 |
| | A GEORGIA CORPORATION | ATLANTA, GEORGIA 30309 | | | | | | | | | | | | | | | | | |
| 4 | THE KENNETH L. GASSER TRUST | 2 ORTIZ LANE, COLUMBUS, MT 59019 | 17.280 ha | 42.70 AC | 4.359 ha | 10.77 AC | 1.218 ha | 3.01 AC | 3.141 ha | 7.76 AC | | | 12.921 ha | 31.93 AC | 0.045 ha | 0.11 AC | * 0.757 ha | * 1.87 AC | 4-6, 8 |
| 5 | PAUL W. WHITTLESEY aka PAUL | HC 53 BOX 76, COLUMBUS, MT 59019 | 65.792 ha | 162.5757AC | 3.653 ha | 9.02 AC | 0.700 ha | 1.73 AC | 2.953 ha | 7.29 AC | 62.139 ha | 153.5557AC | | | 0.206 ha | 0.51 AC | | | 5-6 |
| | WHITTLESEY AND M. KATHERINE | | | | | | | | | | | | | | | | | | |
| | WHITTLESEY | | | | | | | | | | | | | | | | | | |
| 6 | CAROLYN ANDERSON, aka CAROLYN L. | HC 53 BOX 82 820 HIGHWAY 421 | | | | | FOR | OWNER | NOTIFICATION | ONLY | | | | | | | | | 5-6, 8 |
| | ANDERSON | COLUMBUS, MT 59019 | | | | | | | | | | | | | | | | | |
| 7 | KARMEN NELSON, aka KARMEN K. NELSON | 800 HIGHWAY 421, P.O. BOX 743 | 1.305 ha | 3.225 AC | 0.628 ha | 1.56 AC | 0.205 ha | 0.51 AC | 0.423 ha | 1.05 AC | 0.677 ha | 1.665 AC | | | | | | | 6 |
| | | COLUMBUS, MT 59019 | | | | | | | | | | | | | | | | | |
| 8 | ALFRED NORMAN ANDERSON, aka NORMAN | 318 E. 4th AVE. N. P.O. BOX 38 | 14.882 ha | 36.775 AC | 0.952 ha | 2.35 AC | 0.226 ha | 0.56 AC | 0.726 ha | 1.79 AC | | | 13.930 ha | 34.425 AC | | | | | 6-7 |
| | ANDERSON AND LORAINE ANDERSON, | COLUMBUS, MT 59019 | | | | | | | | | | | | | | | | | |
| | aka LORAINE E. ANDERSON | | | | | | | | | | | | | | | | | | |
| | aka A. NORMAN ANDERSON | | | | | | | | | | | | | | | | | | |
| 9 | BRASTRUP'S RANCH, LLC | P.O. BOX 65, 201 CARBON AVENUE | 64.75 ha ± | 160 AC ± | 1.187 ha | 2.93 AC | 0.150 ha | 0.37 AC | 1.037 ha | 2.56 AC | 64.75 ha ± | 160 AC ± | 64.75 ha ± | 160 AC ± | | | 0.020 ha | 0.05 AC | 6-7 |
| | | JOLIET, MT 59041 | | | | | | | | | | | | | | | | | |
| 1, 9 | COMBINATION PARCEL | | 64.75 ha ± | 160 AC ± | 4.795 ha | 11.84 AC | 1.049 ha | 2.59 AC | 3.746 ha | 9.25 AC | | | | | | | | | |
| 2, 7 | COMBINATION PARCEL | | 49.867 ha | 123.225 AC | 3.833 ha | 9.48 AC | 1.109 ha | 2.74 AC | 2.724 ha | 6.74 AC | 1.222 ha | 3.015 AC | 44.812 ha | 110.73 AC | 0.168 ha | 0.42 AC | | | |
| 10 | UNKNOWN | | | | 0.162 ha | # 0.40 AC | 0.070 ha | # 0.17 AC | 0.092 ha | # 0.23 AC | | | | | | | | | |

# AREA OF CONFLICT - TO BE AQUIRED BY QUITCLAIM DEED FROM PARCELS 5 AND 6

| STATE | RIGHT OF WAY ID. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| MONTANA | STPS 421-2(4)9 | 2 | 8 |
| PROJECT NUMBER 4487-004 | | | |

CARBON CO LINE - EAST

RIGHT-OF-WAY COORDINATE ASCII FILES

R/W BREAK COORDS: 4487ROBRKZ01.TXT

R/W BASELINE COORDS: 4487ROBASZ01.TXT

ALL FILES ARE LOCATED ON THE CADD SERVER IN THE RO DIRECTORY, UNDER PROJECT: 4487

* EASEMENT TO BE ACQUIRED IN THE NAME OF CARBON COUNTY. AREA INCLUDES 0.297 ha (0.73 AC) OF EXISTING COUNTY ROAD EASEMENT.

٪ 0.011 ha (0.03 AC) TO BE ACQUIRED IN THE NAME OF MONTANA DEPARTMENT OF TRANSPORTATION.
0.023 ha (0.06 AC) TO BE ACQUIRED IN THE NAME OF PARCEL 5 FOR AN ACCESS EASEMENT.

MONTANA DEPARTMENT OF TRANSPORTATION

MONTANA CADD

WWC ENGINEERING

RDROW

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6/30/2009
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3
2

## 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 0.99952460

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 TOP OF CUT; TOE OF FILL DITCH BOTTOM

FHWA/DOT APPROVAL 11-22-02

MAP REVISED 3-23-04 6-24-04 7-9-04 9-3-08 10-28-08 2-24-09 6-30-09

MONTANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
CARBON COUNTY

STPS 421-2(4)9 SHT 2 OF 8

| STATE | RIGHT OF WAY ID. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| MONTANA | STPS 421-2(4)9 | 3 | 8 |
| PROJECT NUMBER 4487-004 | | | |

CARBON CO LINE - EAST

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

MONTANA DEPARTMENT OF TRANSPORTATION

MONTANA CADD

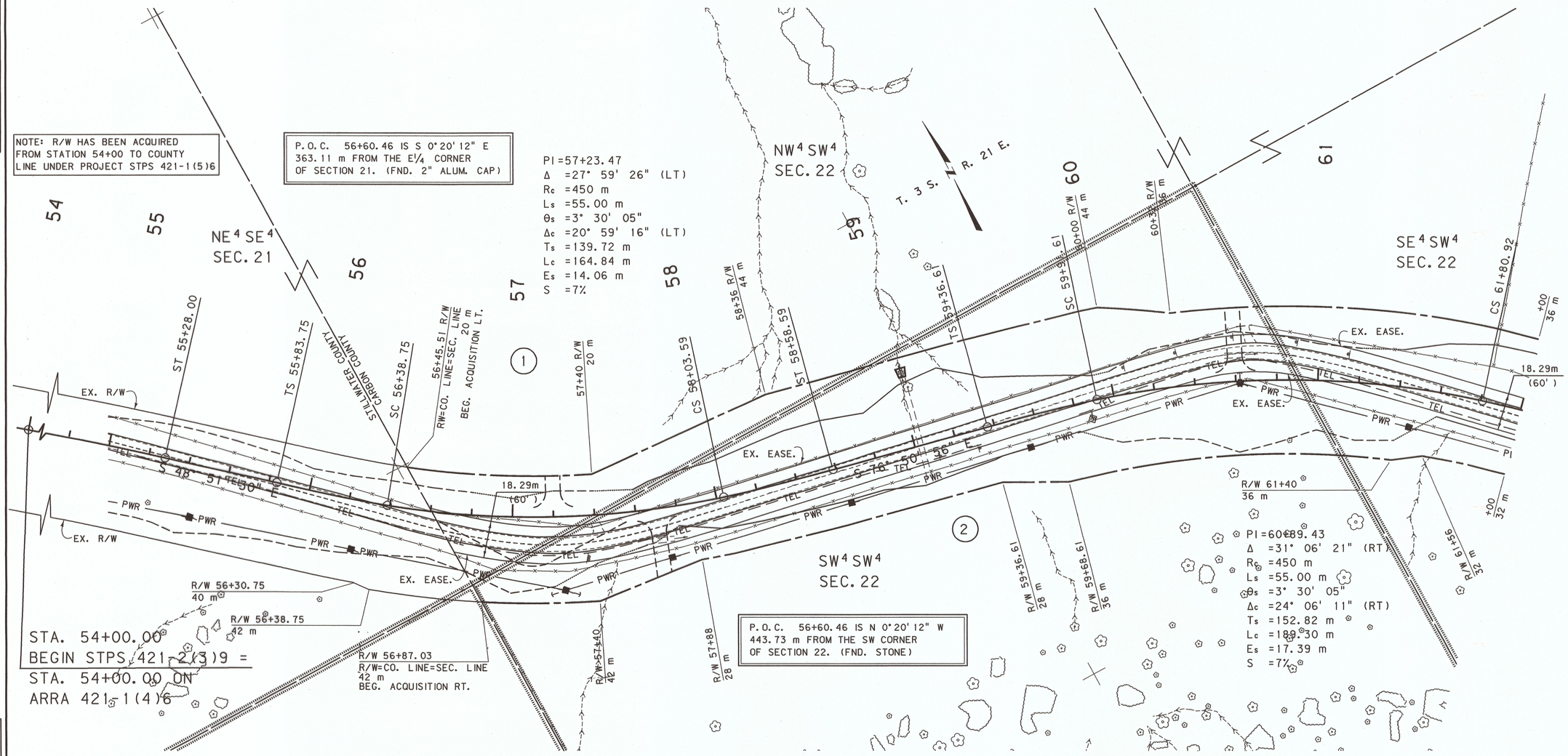
WWC ENGINEERING

RDROW

NOTE: R/W HAS BEEN ACQUIRED FROM STATION 54+00 TO COUNTY LINE UNDER PROJECT STPS 421-1(5)6

P.O.C. 56+60.46 IS S 0°20'12" E 363.11 m FROM THE E¼ CORNER OF SECTION 21. (FND. 2" ALUM. CAP)

PI = 57+23.47
Δ = 27° 59' 26" (LT)
Rc = 450 m
Ls = 55.00 m
θs = 3° 30' 05"
Δc = 20° 59' 16" (LT)
Ts = 139.72 m
Lc = 164.84 m
Es = 14.06 m
S = 7%

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

FHWA/DOT APPROVAL 11-22-02

MAP REVISED 3-19-09 4-20-09 10-28-09

MONTANA DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
CARBON COUNTY
SCALE 1:1000
0 50M 100M

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10/30/2009
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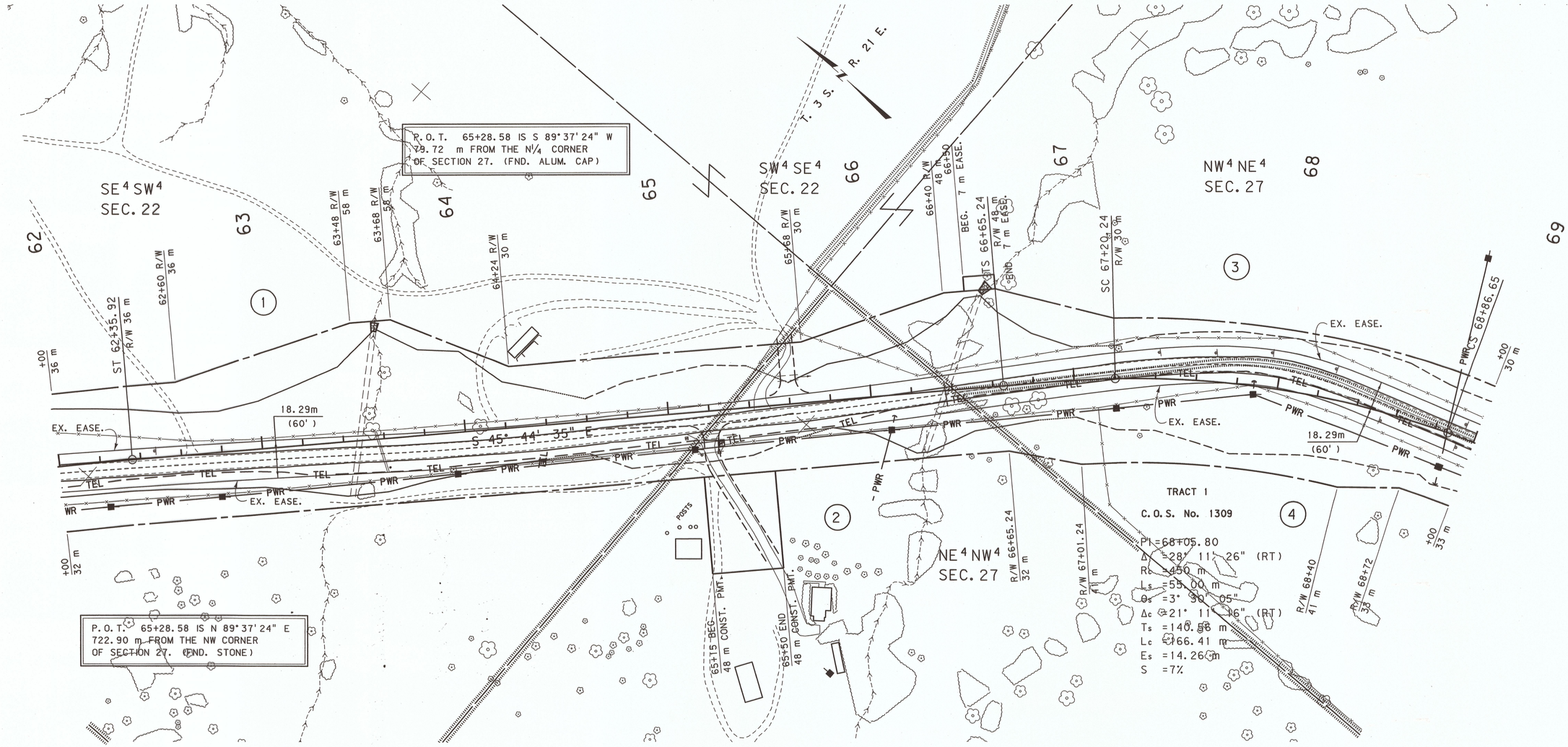
STPS 421-2(4)9 SHT 3 OF 8

| STATE | RIGHT OF WAY ID. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| MONTANA | STPS 421-2(4)9 | 4 | 8 |
| PROJECT NUMBER 4487-004 | | | |

CARBON CO LINE - EAST

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

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

FHWA/DOT APPROVAL 11-22-02

MAP REVISED 6-24-04 10-28-08

MONTANA DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
CARBON COUNTY
SCALE 1:1000
0 50M 100M

MONTANA DEPARTMENT OF TRANSPORTATION
MONTANA CADD
RDROW
WWC ENGINEERING

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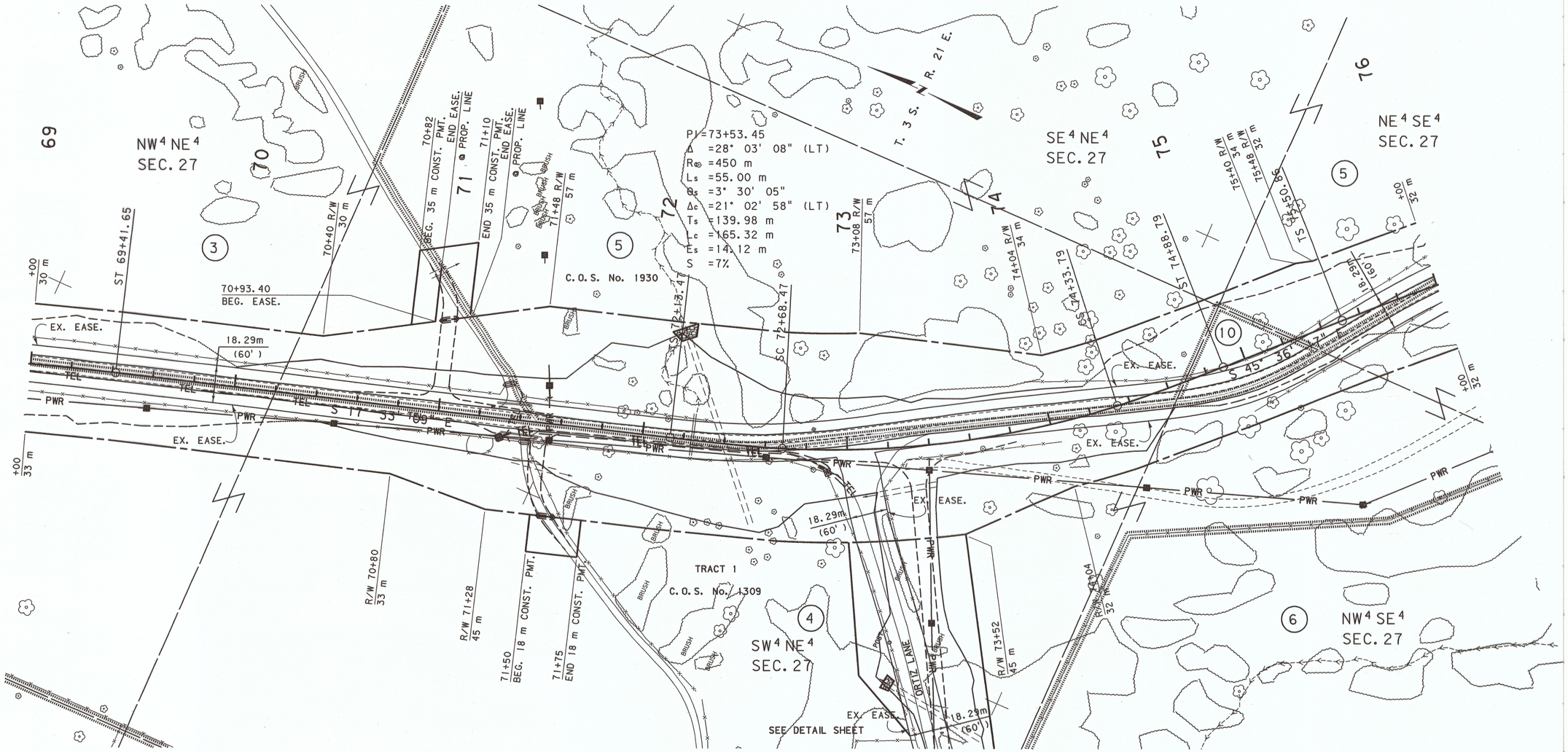
STPS 421-2(4)9 SHT 4 OF 8

| STATE | RIGHT OF WAY ID. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| MONTANA | STPS 421-2(4)9 | 5 | 8 |
| PROJECT NUMBER 4487-004 | | | |
| CARBON CO LINE - EAST | | | |

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

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

FHWA/DOT APPROVAL 11-22-02

MAP REVISED 3-23-04 2-24-09 6-30-09 7-6-09

MONTANA DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
CARBON COUNTY
SCALE 1:1000
0 50M 100M

STPS 421-2(4)9 SHT 5 OF 8

MONTANA DEPARTMENT OF TRANSPORTATION
MONTANA CADD
WWC ENGINEERING
RDROW

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7/16/2009
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| STATE | RIGHT OF WAY ID. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| MONTANA | STPS 421-2(4)9 | 6 | 8 |
| PROJECT NUMBER 4487-004 | | | |
| CARBON CO LINE - EAST | | | |

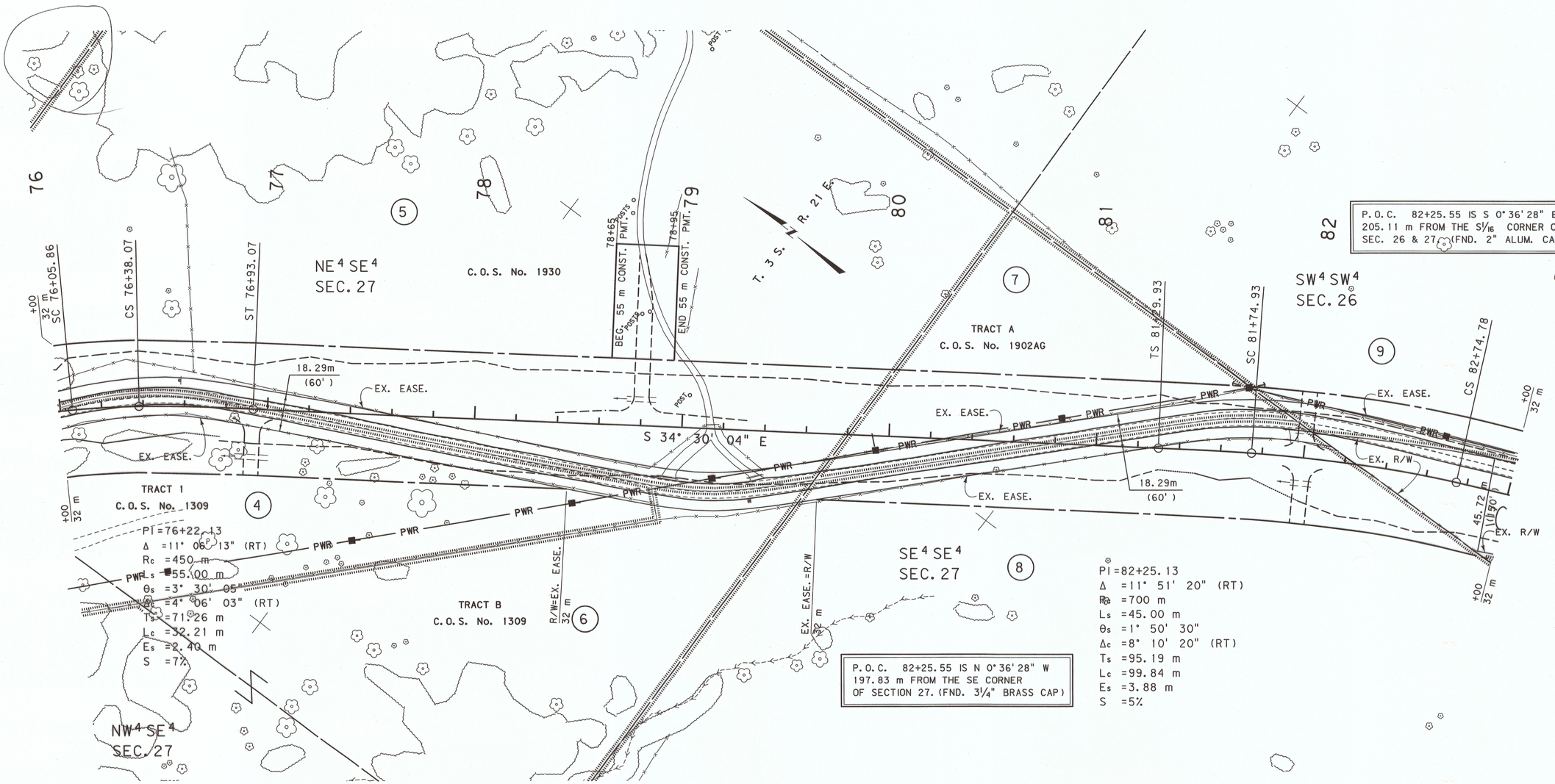
SEE SHEET NO. 2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

MONTANA DEPARTMENT OF TRANSPORTATION

MONTANA CADD

WWC ENGINEERING

RDROW

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

FHWA/DOT APPROVAL 11-22-02

MAP REVISED 5-12-04 10-28-08

MONTANA DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
CARBON COUNTY
SCALE 1:1000
0 50M 100M

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STPS 421-2(4)9 SHT 6 OF 8

| STATE | RIGHT OF WAY ID. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| MONTANA | STPS 421-2(4)9 | 7 | 8 |
| PROJECT NUMBER 4487-004 | | | |

CARBON CO LINE - EAST

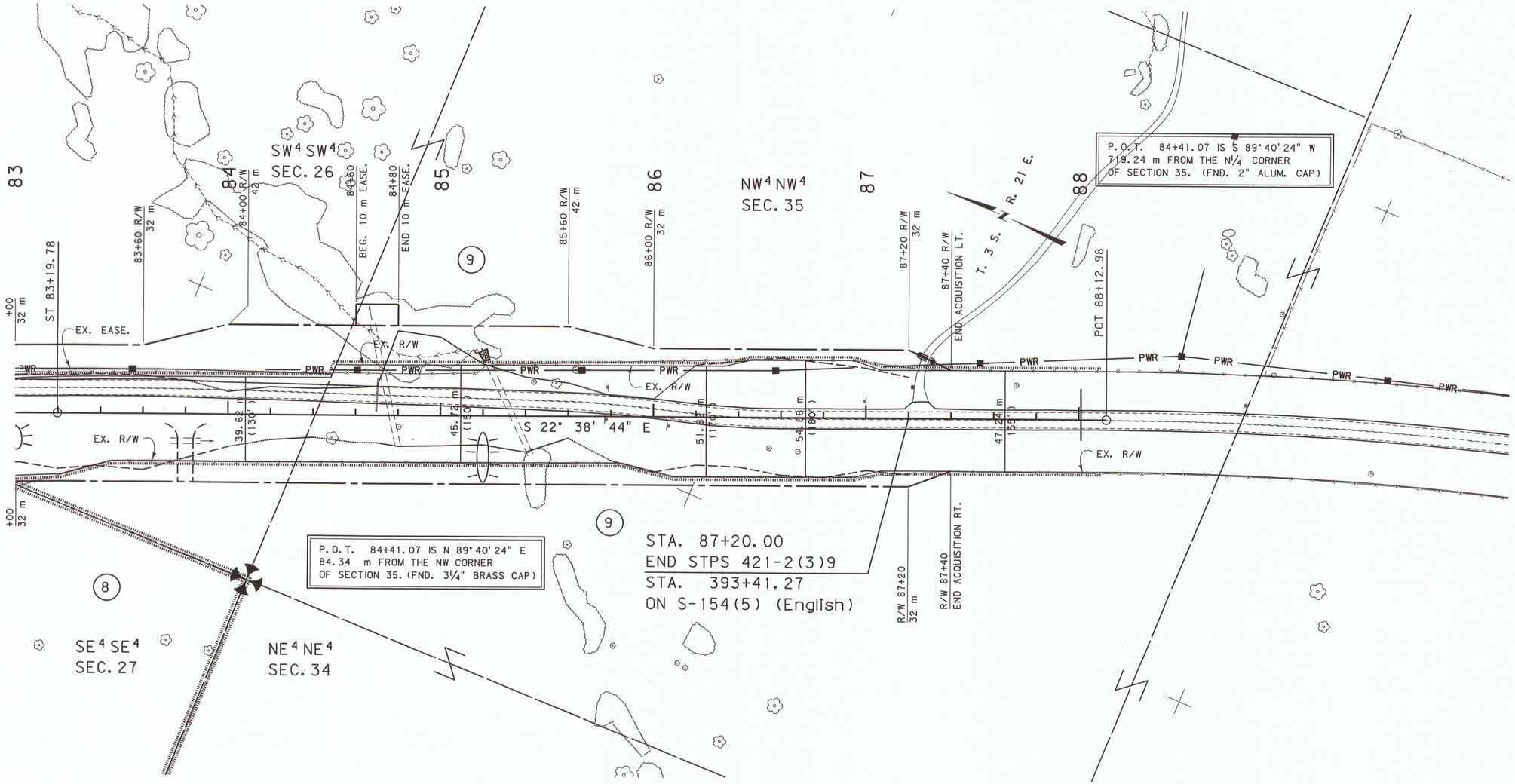
SEE SHEET NO. 2 FOR OWNERSHIP NAMES, ADDRESSES, AREAS, ETC.

MONTANA DEPARTMENT OF TRANSPORTATION

MONTANA CADD

WWC ENGINEERING

RDROW

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

FHWA/DOT APPROVAL 11-22-02

MAP REVISED 3-23-04 3-19-09

MONTANA
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
CARBON COUNTY
SCALE 1:1000

0 50M 100M

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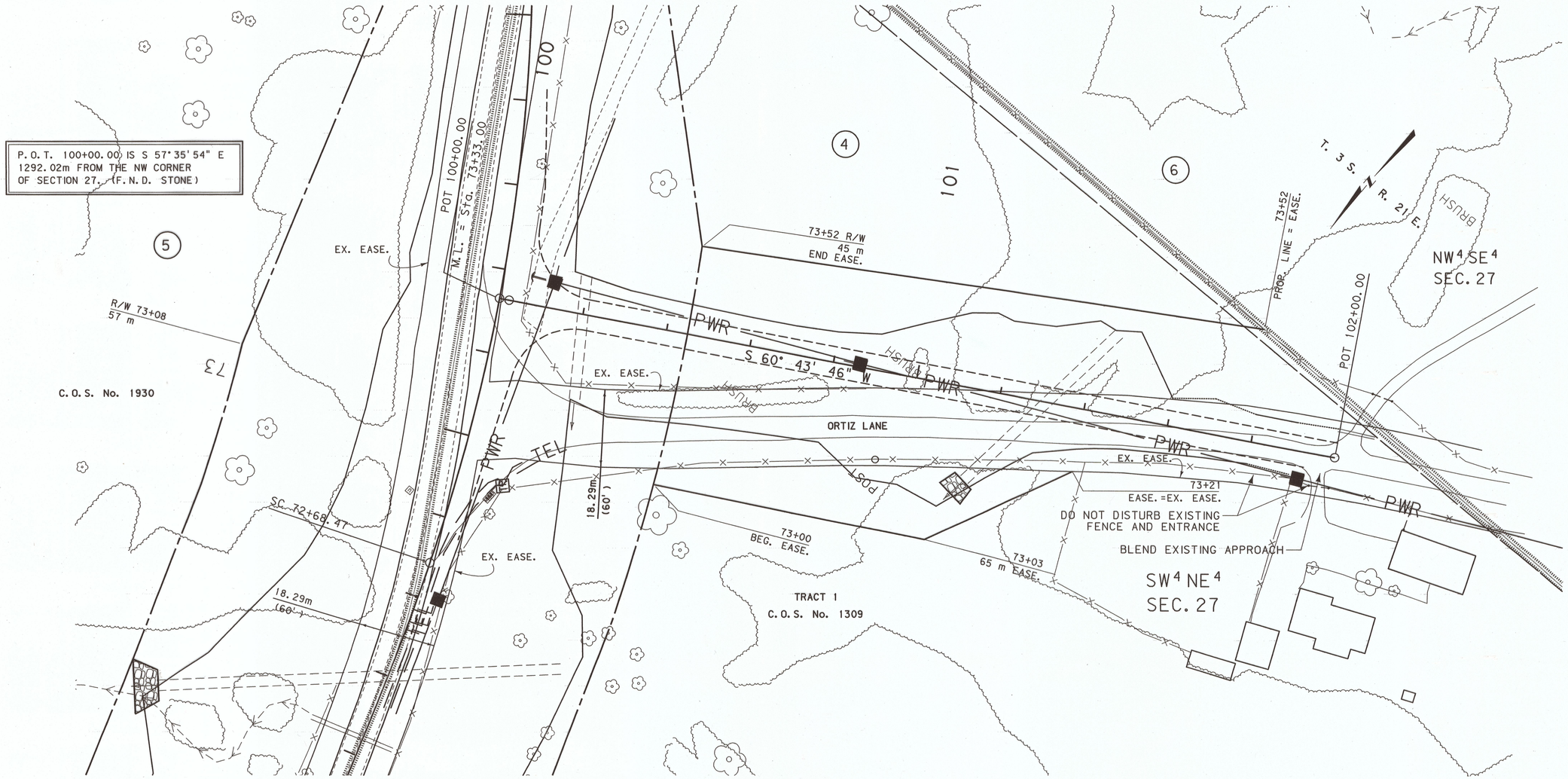
STPS 421-2(4)9 SHT 7 OF 8

| STATE | RIGHT OF WAY ID. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| MONTANA | STPS 421-2(4)9 | 8 | 8 |
| PROJECT NUMBER 4487-004 | | | |

CARBON CO LINE - EAST

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

# DETAIL SHEET

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

FHWA/DOT APPROVAL 11-22-02

MAP REVISED 2-24-09

MONTANA DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
CARBON COUNTY
SCALE 1:500
25M 50M

MONTANA DEPARTMENT OF TRANSPORTATION
MONTANA CADD
WWC ENGINEERING
RDROW

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STPS 421-2(4)9 SHT 8 OF 8