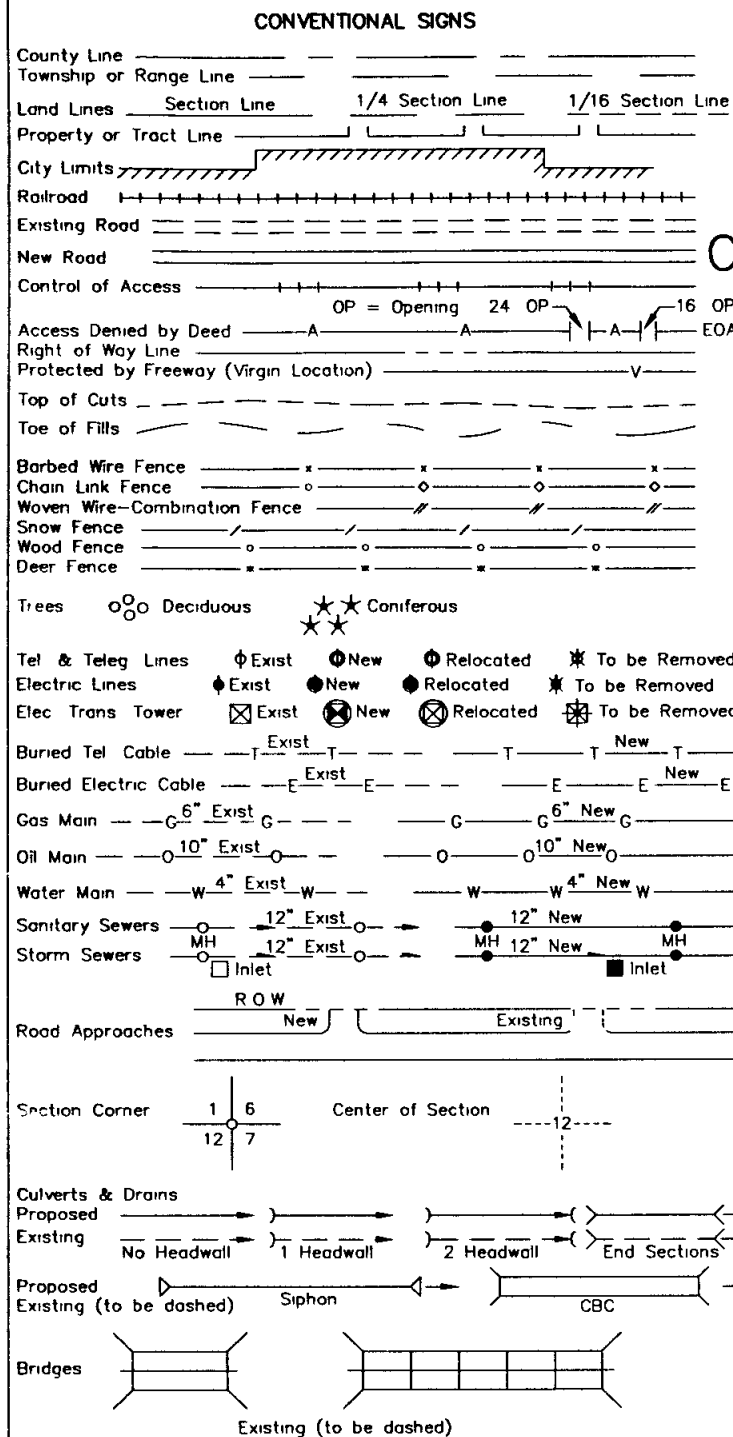




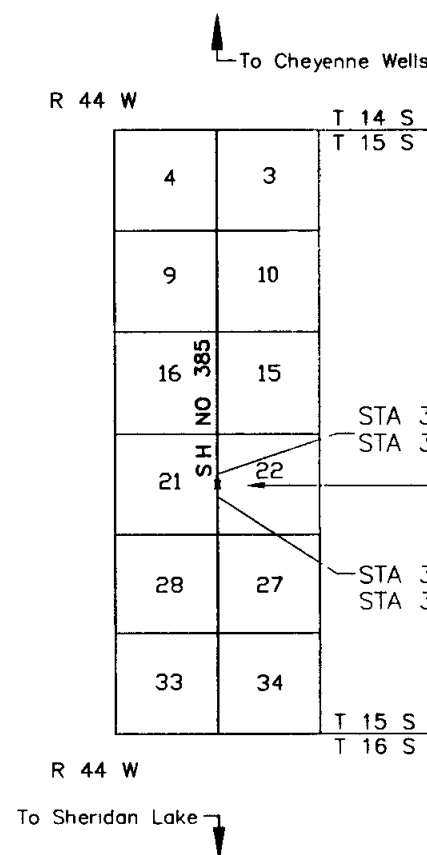
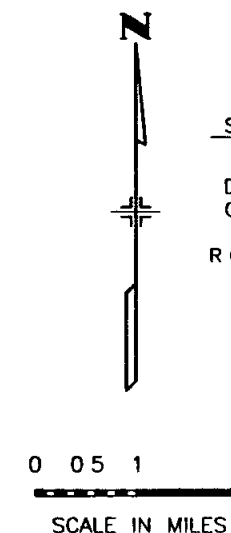
COLORADO
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN OF PROPOSED
COLORADO PROJECT NO. CYBRS CXBRS 46-0385-08
STATE HIGHWAY NO. 385
CHEYENNE COUNTY
RIGHT OF WAY

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO	SHEET NO.
VIII	COLO	CYBRS CXBRS 46-0385-08	1
REVISIONS			

SCALE OF ORIGINAL DRAWINGS

DETAIL SHEETS 1" = 50'
OWNERSHIP MAPS 1" = 500'

R O W LENGTH OF PROJECT = 2725 00 FT / 0 516 MI (J-27-P)



INDEX OF SHEETS

SHEET NO

- | | |
|------|-------------------------------------|
| 1 | TITLE SHEET |
| 2 | TABULATION OF OWNERSHIP |
| 3-3A | TABULATION OF ROW MARKERS & CONTROL |
| 4-6 | ALIGNMENT |
| 7 | OWNERSHIP |

BASIS OF BEARING AT PROPOSED J-27-P (EXISTING J-27-B)
THE CALCULATED AZIMUTH OBTAINED FROM G P S POINT "HOE" TO
G P S POINT "HOE AZI" YIELDS A GRID BEARING OF N 04°04'09.0" W



DATE 6/95
REGION ONE
SUB ACCOUNT 92980

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
AUTHORIZED	DATE
DIVISION ADMINISTRATOR	

CONTROL AND MONUMENTATION

RIGHT OF WAY
6.1 MILES SOUTH OF SH 40
(STR J-27-P)

FED. ROAD REGION	DIVISION	PROJECT NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	CYBRS CYBRS 46-0385-08	3	7
REVISIONS				

SURVEY CONTROL POINT TABULATION

POINT #	NORTHING	EASTING	ELEV	DESCRIPTION
1	1346369 1920	3904339 8660		GPS MONUMENT HOE
2	1343240 0570	3904562 4730		GPS MONUMENT HOE AZI
3	1344315 4650	3904515 5070	4240 23	GPS MONUMENT G90
4	1346615 6364	3909688 4367		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (NE CORNER SECTION 22)
5	1346511 6382	3907032 8917		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (N 1/4 CORNER SECTION 22)
6	1343976 0123	3909780 7883		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (E 1/4 CORNER SECTION 22)
7	1341335 5252	3909873 0700		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (SE CORNER SECTION 22)
8	1341275 8380	3908134 9767		60d SPIKE
9	1341231 3879	3907234 4955		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (S 1/4 CORNER SECTION 22)
10	1341183 6098	3905968 0757		60d SPIKE
11	1341128 7922	3904564 7462		60d SPIKE
12	1341017 2514	3901945 1135		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (S 1/4 CORNER SECTION 21)
13	1338667 6177	3899397 4892		60d SPIKE
14	1340908 4089	3899298 3376		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (SW CORNER SECTION 21)
15	1342201 8183	3899259 3874		60d SPIKE
16	1346195 8009	3899078 1130		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (NW CORNER SECTION 21)
17	1346296 9457	3901393 5378		60d SPIKE
18	1341126 6746	3904590 1926		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (SE CORNER SECTION 21)
19	1346408 5644	3904385 6036		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (NE CORNER SECTION 21)
20	1344732 7288	3904467 7138	4239 50	REBAR W/ WILSON & COMPANY CONTROL CAP
21	1344494 8416	3904475 2042	4240 68	REBAR W/ WILSON & COMPANY CONTROL CAP

GENERAL NOTES:

- 1 This survey is not a complete boundary survey or right-of-way survey and is prepared for C D T purposes only
- 2 Notice: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.
- 3 Survey control precision meets or exceeds Colorado Department of Transportation Survey Manual minimum horizontal control tolerance.
- 4 This Land Survey Plat is for the use of the Colorado Department of Transportation and is not a complete survey of all property boundaries. All memorandum of ownerships were prepared by
Cheyenne County Abstract Company
P. O. Box 7
Cheyenne Wells, CO 80810
- 5 All R O W Markers set from survey control points
- 6 All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field.

TABULATION OF RIGHT OF WAY MONUMENTS SET

POINT #	NORTHING	EASTING	STATIONING
200	1345008 3151	3904399 8109	40 00' RT 313+00
201	1344806 5297	3904357 5894	90 00' RT 315+00
202	1344356 8669	3904375 0067	90 00' RT 319+50
203	1344158 9520	3904432 7102	40 00' RT 321+50
204	1345011 4115	3904479 7510	40 00' LT 313+00
205	1344813 4966	3904537 4545	90 00' LT 315+00
206	1344363 8338	3904554 8718	90 00' LT 319+50
207	1344162 0484	3904512 6503	40 00' LT 321+50

TABULATION OF EASEMENTS

POINT #	NORTHING	EASTING	STATIONING
100	1345707 7905	3904372 7174	40 00' RT 306+00
101	1345102 4344	3904246 0528	190 00' RT 312+00
102	1343803 4086	3904296 3694	190 00' RT 325+00
103	1343764 4404	3904309 7244	178 16' RT 325+39 46
104	1343769 5044	3904447 7951	40 00' RT 325+39 74
105	1343408 7220	3904431 6349	70 11' RT 328+99 63
106	1343509 8687	3904457 8518	40 00' RT 327+99 57

SURVEYOR STATEMENT:

I, Ralph Meagher, a professional surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my supervision on this 7/15 day of FEBRUARY 1997 from a field survey performed under my supervision from August 12, 1992 to September 17, 1992, and checking for and on behalf of the Department of Transportation, State of Colorado, and is not a land survey plat or right-of-way survey plat, and to the best of my knowledge and belief this control survey as shown, meets the minimum horizontal control tolerances of a Type B Survey noted in the Colorado Department of Transportation Survey Manual Chapter Three (Revised April 29, 1992).



Ralph Meagher
Ralph Meagher LS 15674

2-21-97 Date

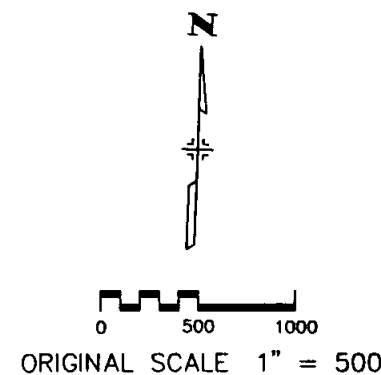
CONTROL DIAGRAM SHEET

REVISED		

FED. ROAD REGION	DIVISION	PROJECT NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	CYBRS CXBRS 46-0385-08	3A	7

LOCATION SH NO 385 MILE POST 143.7
6.1 MILES SOUTH OF SH 40
T 15 S R 44 W
CHEYENNE COUNTY, COLORADO

POINT #	NORTHING	EASTING	ELEV	DESCRIPTION
1	1346369 1920	3904339 8660		GPS MONUMENT HOE
2	1343240 0570	3904562 4730		GPS MONUMENT HOE AZI
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6	1343976 0123	3909780 7883		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (E 1/4 CORNER SECTION 22)
7	1341335 5252	3909873 0700		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (SE CORNER SECTION 22)
8	1341275 8380	3908134 9767		60d SPIKE
9	1341231 3879	3907234 4955		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (S 1/4 CORNER SECTION 22)
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13	1338667 6177	3899397 4892		3/4" X 36" BERNTSEN ALUMINUM ROD W/ 3 1/4" ALUMINUM CAP (SW CORNER SECTION 21)
14	1340908 4089	3899298 3376		60d SPIKE
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19	1346408 5644	3904385 6036		REBAR W/ WILSON & COMPANY CONTROL CAP
20	1344732 7288	3904467 7138	4239 50	REBAR W/ WILSON & COMPANY CONTROL CAP
21	1344494 8416	3904475 2042	4240 68	REBAR W/ WILSON & COMPANY CONTROL CAP



GENERAL NOTES:

- This survey is not a complete boundary survey or right-of-way survey and is prepared for C D D T purposes only.
- Notice: According to Colorado law, you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.
- Survey control precision meets or exceeds Colorado Department of Transportation Survey Manual minimum horizontal control tolerance for type B Survey (± 0.25 ft at 95% certainty).
- Basis of Bearing:
The calculated Azimuth obtained from G P S point "HOE AZI" to G P S point "HOE" yields a grid bearing of N 04°04'09.0" W.
- Coordinate Base:
The project modified state plane coordinate base was modified to surface from grid using the mean factor values for points "HOE AZI" and "HOE" as listed below:
Zone: Colorado Central
Combined scale and elevation factor = 0.999752038
Coordinate Value:
HOE AZI (Geod) Lat 38°45'53.77946"
Long 102°19'54.56676"
HOE AZI (Grid) N 1,342,906.985
E 3,903,594.290
HOE AZI (Project) N 1,343,240.057
E 3,904,562.473
HOE (Geod) Lat 38°44'24.76092"
Long 102°19'55.99727"
HOE (Grid) N 1,346,035.344
E 3,903,371.738
HOE (Project) N 1,346,369.192
E 3,904,339.866
- An original of the Control Diagram will be deposited in Cheyenne County as per C R S 38-51-507.
- Vertical Control is based on NAVD88 Survey Datum.

SURVEY SYMBOL TABLE

- △ CONTROL POINTS
- ▲ U.S.C. & G. BENCH MARKS
- ⊙ ALIQUOT CORNERS FOUND IN FIELD
- ALIQUOT CORNERS (FROM ORIGINAL NOTES)
- GPS CONTROL MONUMENTS

QUANTITY OF MONUMENTS SET

CAP TYPE	MONUMENT TYPE							
	1	1A	2	2A	3	3A	4	5
REFERENCE								
RIGHT OF WAY								
CONTROL								
ALIQUOT CORNER								
WITNESS POST								

SURVEYOR STATEMENT:

I, Ralph Meagher, a professional surveyor in the State of Colorado hereby state that this Control Survey Diagram was prepared under my supervision this 21ST day of FEBRUARY 1997 from a field survey performed under my supervision from August 12 1992 to September 17 1992, and checking for and on behalf of the Department of Transportation State of Colorado and is not a land survey plat or right-of-way survey plat and to the best of my knowledge and belief this control survey as shown meets the minimum horizontal control tolerances of a Type B Survey noted in the Colorado Department of Transportation Survey Manual Chapter Three (Revised April 29 1992).



Ralph Meagher
Ralph Meagher LS 15674

2-21-97
Date

CONTROL DATA

WILSON CONTROL POINT #20
315+78 (17.2 LT)
N 1344732 7288 E 3904467 7138
TOP OF CAP ELEV = 4239.50

WILSON CONTROL POINT #21
318+16 (15.5 LT)
N 1344494 8416 E 3904475 2042
TOP OF CAP ELEV = 4240.68

CENTERLINE 306+00
N 1345709 3387 E 3904412 6874

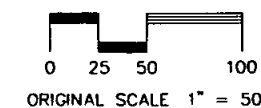
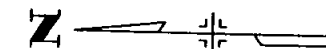
CENTERLINE 328+99.63
N 1343411 4357 E 3904501 6945

TOWNSHIP 15 SOUTH RANGE 44 WEST OF THE 6TH PM

RIGHT OF WAY
6.1 MILES SOUTH OF SH 40
(STR J-27-P)

FED. ROAD REGION	DIVISION	PROJECT NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	CYBERS CIBRS 46-0385-08	4	7

REVISIONS

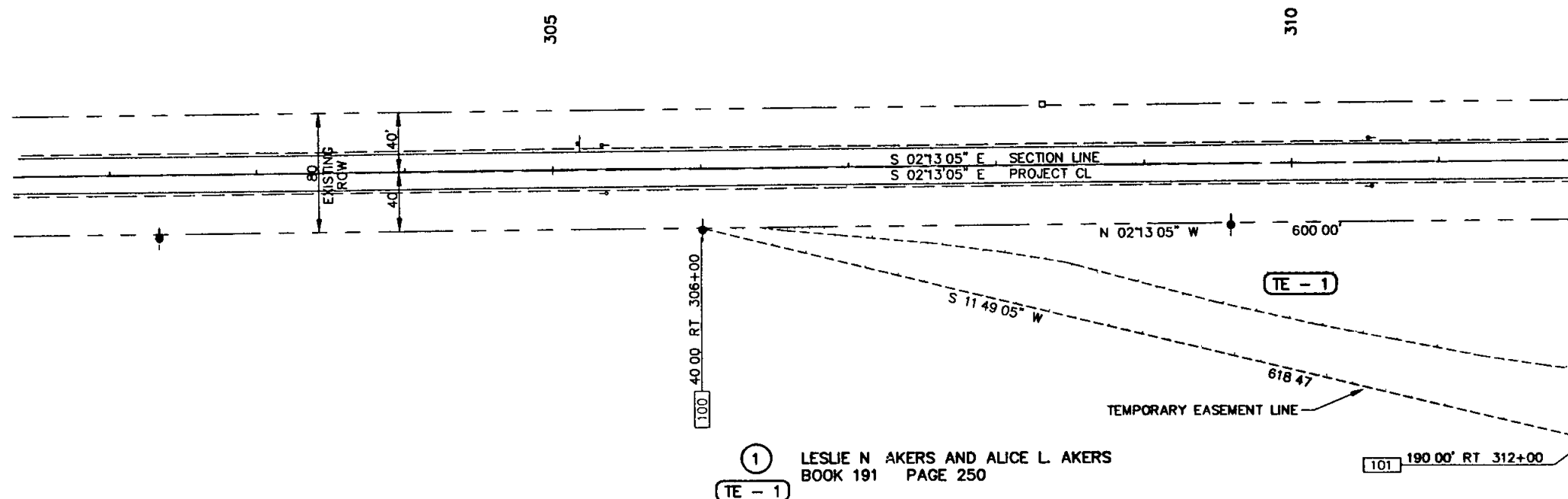


LEGEND

- RIGHT OF WAY MONUMENT SET
- △ CONTROL POINT
- ⊙ ALIQUOT CORNER FOUND IN FIELD

NW 1/4, SEC 22

② HENRY A. MOCKELMANN, JR. AND ALENE M. MOCKELMANN
BOOK 274 PAGE 189



NE 1/4, SEC 21

① LESLIE N. AKERS AND ALICE L. AKERS
BOOK 191 PAGE 250

NOTES:

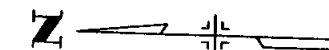
- This plat does not show rights-of-way or easements beyond the limits of the proposed construction project.
- Basis of Bearing:
The calculated Azimuth obtained from G.P.S. point 'HDE' to G.P.S. point 'HDE AZI' yields a grid bearing of N 04 04 09 0" W.
- This Land Survey Plat is for the use of the Colorado Department of Transportation and is not a complete survey of all property boundaries. All memorandums of ownerships were prepared by:
Cheyenne County Abstract Company
P.O. Box 7
Cheyenne Wells, CO 80810
- Notice: According to Colorado law, you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

INITIAL	DATE	Checked By
CRG		
RHM		
DVD		

RIGHT OF WAY
6.1 MILES SOUTH OF SH 40
(STR J-27-P)

FED ROAD REGION	DIVISION	PROJECT NO	SHEET NO	SHEET TOTALS
VIII	COLO	CYBRS CXBRS 46-0385-06	5	7

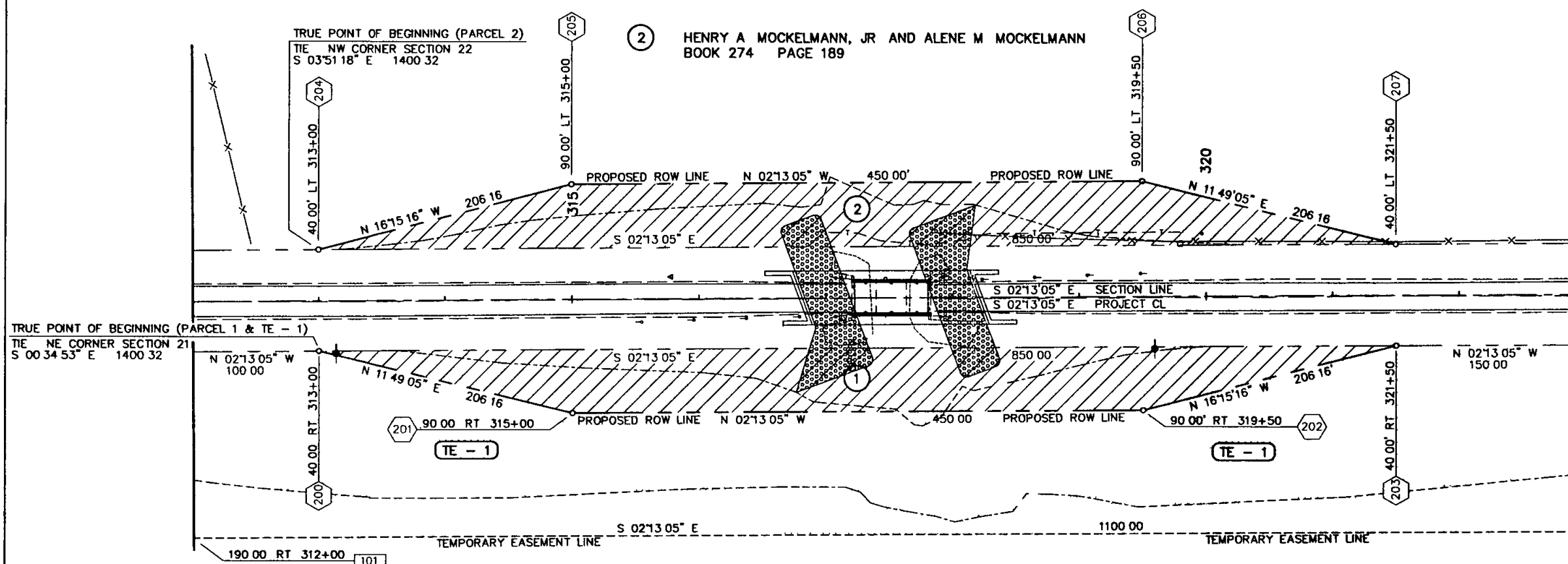
REVISIONS	



ORIGINAL SCALE 1" = 50

LEGEND

- o RIGHT OF WAY MONUMENT SET
- △ CONTROL POINT
- ⊙ ALIQUOT CORNER FOUND IN FIELD



① LESLIE N AKERS AND ALICE L. AKERS
BOOK 191 PAGE 250
TE - 1

NE 1/4, SEC 21

NOTES:

- 1 This plat does not show rights-of-way or easements beyond the limits of the proposed construction project
- 2 Basis of Bearing:
The calculated Azimuth obtained from G P S point "HDE" to G P S point "HDE AZI" yields a grid bearing of N 04°04'09.0" W
- 3 This Land Survey Plat is for the use of the Colorado Department of Transportation and is not a complete survey of all property boundaries. All memorandums of ownerships were prepared by:

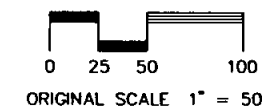
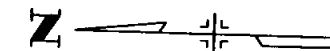
Cheyenne County Abstract Company
P O Box 7
Cheyenne Wells CO 80810
- 4 Notice: According to Colorado law, you must commence any legal action based upon any defect in this survey within three years after you first discover such defect, in no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

TOWNSHIP 15 SOUTH RANGE 44 WEST OF THE 6TH PM

RIGHT OF WAY
6.1 MILES SOUTH OF SH 40
(STR J-27-P)

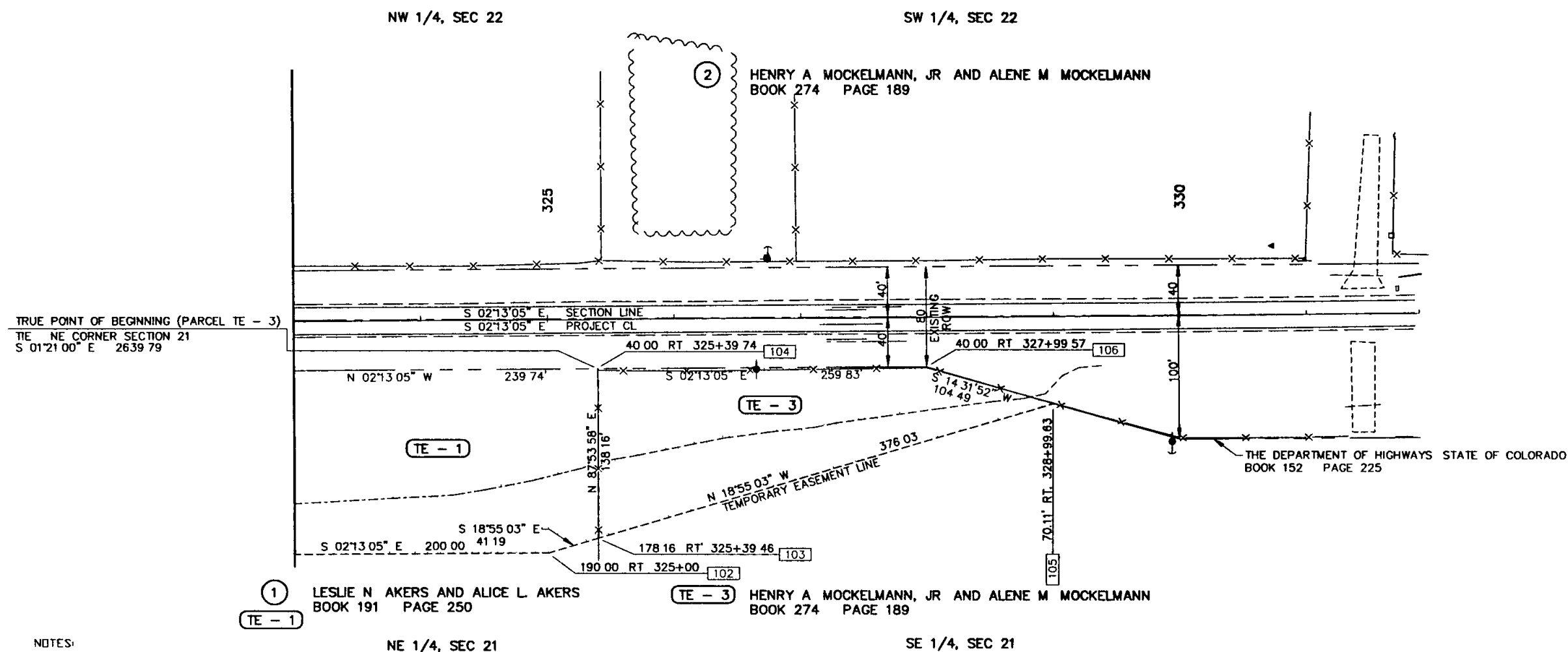
FED. ROAD REGION	DIVISION	PROJECT NO.	SHEET NO.	SHEET TOTALS
VIII	COLO.	CYBRS CYBRS 48-0385-08	6	7

REVISIONS



LEGEND

- RIGHT OF WAY MONUMENT SET
- △ CONTROL POINT
- ⊙ ALIQUOT CORNER FOUND IN FIELD



NOTES:

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- 2 Basis of Bearing:
The calculated Azimuth obtained from G.P.S. point "HDE" to G.P.S. point "HDE AZI" yields a grid bearing of N 04°04'09.0" W
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INITIAL	DATE	Checked By
CRG		
RHM		
DVO		

