

Sheet Revisions		
Date	Description	Initials
10-8-10	Rev. 1.01, 2.01, 4.01, 5.01, & 5.01A	JWJ

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Right of Way Plans				
Title Sheet				
Project Number: C 0501-058				
Project Location: R3 Culvert Repairs - SH 50 Grand Jct. RE				
SH 50 GJ Duck Pond Park Culvert				
Project Code:	Last Mod. Date	Subset	Sheet No.	Authorized
17684	10-8-10		1.01	MM-DD-YY

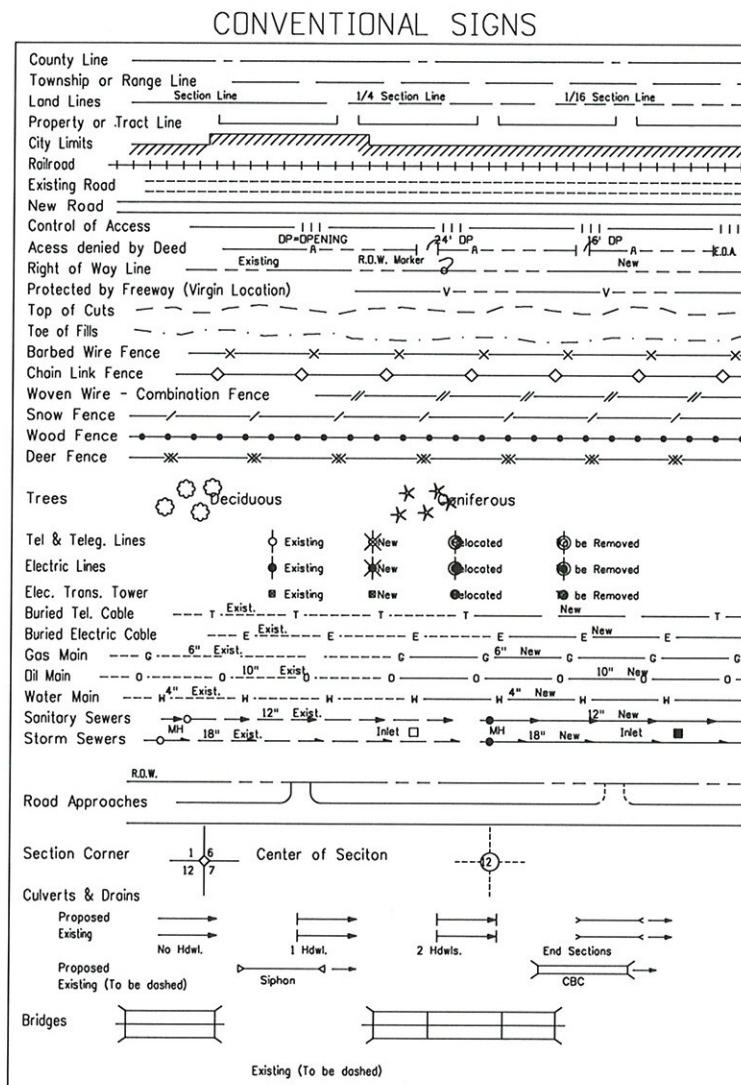
DEPARTMENT OF TRANSPORTATION

STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED
STATE PROJECT NO. C 0501-058
STATE HIGHWAY NO. 50
MESA COUNTY
RIGHT OF WAY PROJECT CODE NO. 17684

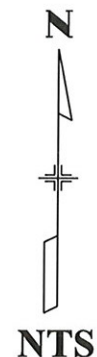
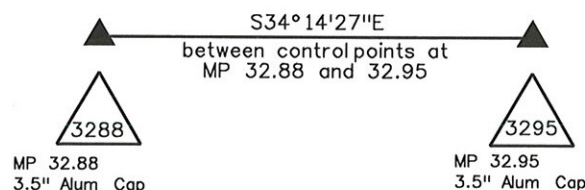
T. 1 S., R. 1 W., U.M.

SHEET NO.	INDEX OF SHEETS
1.01	(1) Title Sheet
2.01	(1) Tabulation of Properties
3.01	(1) Control Diagram
4.01	(1) Monumentation Sheets
5.01	(1) Plan Sheets
5.01A	(1) Detail Sheet
	(6) Total Sheets



BASIS OF BEARINGS

A Bearing of S34°14'27"E, a distance of 452.52 between set CDOT control markers located at Mile 32.88 and Mile 32.95 along US Hwy. 50 were established from a GPS Survey which used Colorado High Accuracy Reference Network (CHARN) point P 428 and the Mesa County Virtual Reference Network (MCVRN). HARN information may be obtained from the internet address http://www.ngs.gov/products_services.html



Project Location
(MP 32.9)

1. This Right-of-Way Plan is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
 2. For title information, The Colorado Department of Transportation relied on Title Commitments prepared by Abstract & Title Co. of Mesa County, Inc. for Lawyers Title Insurance Corporation.
 3. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
- 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.

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

AUTHORIZED:

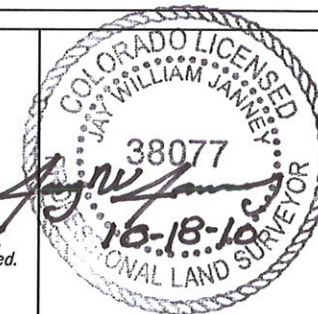
Jim Woodmansee
RIGHT OF WAY MANAGER

10/21/10
DATE

SURVEYOR STATEMENT (ROW PLAN)

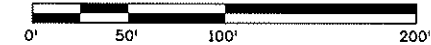
I, Jay William Janney, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, research, calculations and evaluation of the survey evidence were performed and this Right-of-Way Plan was prepared under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 38077



Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006. Existing features are shown as screened weight (gray scale), except as noted with the word (existing). Proposed or new features are shown as full weight without screening, except as noted with the word (proposed).

Sheet Revisions			Sheet Revisions		
Date mm/dd/yy	Description XXXXXXXXXX	Initials XXX	Date mm/dd/yy	Description XXXXXXXXXX	Initials XXX



Project Control Diagram			
Plan Sheet			
Project Number: C 0501-058			
Project Location: SH 50 GJ DuckPond Park Culvert			
US50 at Unawep Drive, Grand Junction, Mesa County, CO			
Project Code: 17684	Last Mod. Date: 03-25-2010	Subset: 3.01 to 3.01	Sheet No.: 3.01

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO PROJECT CONTROL DIAGRAM

US Highway 50 MP 32.88 to 32.95
Section 23
Township 1 South, Range 1 West
of the UTE Meridian
County of MESA

GENERAL NOTES

NOTE: This survey was conducted to provide horizontal and vertical control for highway design and construction and is for the use of the Colorado Department of Transportation. Coordinates are local project coordinates. Project elevations were established by from NGS Benchmark N 428 using a published elevation of 1411.628 M. The other control point elevations were established by differential levels from this bench mark.

Basis of Bearings: A bearing of S34°14'27" E, a distance of 452.52' between set C.D.O.T. control markers located at Mile 32.88 and Mile 32.95 along US Highway 50, were established from a GPS Survey which used Colorado High Accuracy Reference Network (CHARN) point P 428 and the Mesa County Virtual Reference Network (MCVRN). HARN information may be obtained from the internet address http://www.ngs.noaa.gov/products_services.html

COORDINATE DATUM: Project coordinates are modified Colorado State Plane CO NORTH Zone NAD '83/(2007) coordinates.
TO GET FROM MODIFIED STATE PLANE COORDINATES TO STATE PLANE COORDINATES CONVERT TO METERS, ADD OFFSET AND MULTIPLY BY AVERAGE COMBINED FACTOR
EXAMPLE N428 13345.67 X 0.30480061 = 4067.768 + 440000 = 444067.768 X 0.999718515 = 443942.769.

This Project Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.

This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2006 found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.

CM-MP - Control Point Monuments set by CDOT. Two are CDOT Type 2 monuments, a 3/4" dia. aluminum control monument cap (as shown) on a 3"x3/4" dia. aluminum security rod on a 3"x3/4" dia. smooth aluminum rod. The third is a CDOT Type 5(S) 1.17" Copper alloy Monument set in a concrete sidewalk.

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.

SURVEYOR STATEMENT (PROJECT CONTROL DIAGRAM)

I, Leslie E. Doehling, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Project Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

Leslie E. Doehling PLS No. 31551

Date

Coordinate System Details

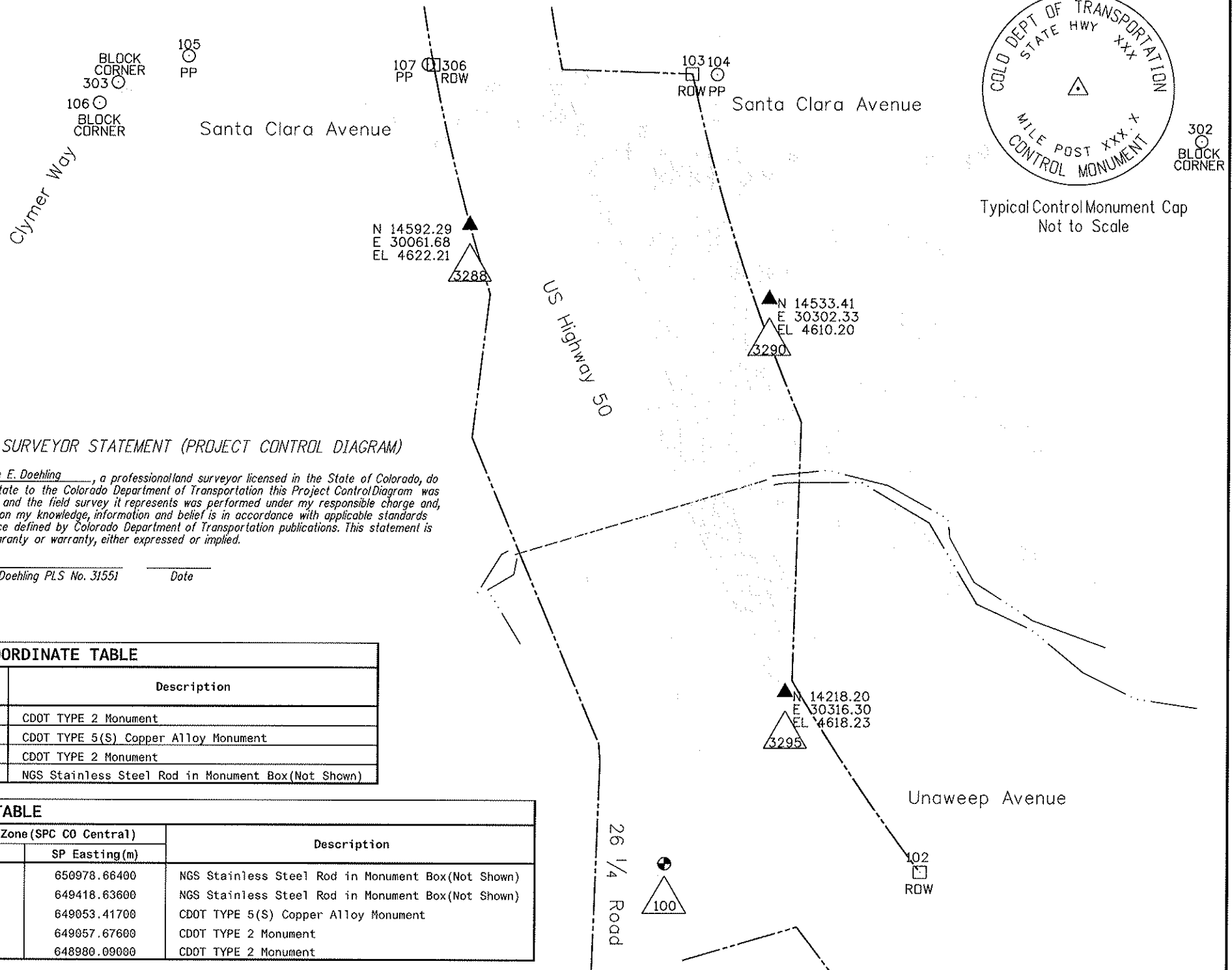
Coordinate System	US State Plane 1983
Zone	Colorado Central 0502
Datum	NAD 1983 (Conus)
Ellipsoid Name	Geodetic Ref System 1980
Geoid Model	GEOID03 (Conus)
Northing Offset M	440000
Easting Offset M	640000

PROJECT COORDINATE TABLE

Point No.	Project Coordinates		Elev(ft) (NAVD88)	Description
	Northing(ft)	Easting(ft)		
3288P	14592.29	30061.68	4622.205	CDOT TYPE 2 Monument
3290P	14533.41	30302.33	4610.201	CDOT TYPE 5(S) Copper Alloy Monument
3295P	14218.20	30316.30	4618.229	CDOT TYPE 2 Monument
N428P	13345.67	31500.89	4631.316	NGS Stainless Steel Rod in Monument Box(Not Shown)

GEODETIC COORDINATE TABLE

Point No.	Geodetic Coordinates NAD-83(2007) (CHARN)		Elip Height (NAVD88) (m)	Ortho Height (m)	NAD 83(2007) Zone(SPC CO Central)		Description
	Latitude(N)	Longitude(W)			SP Northing(m)	SP Easting(m)	
P428	39°02'22.44210"N	108°32'36.12686"W	1415.772	1398.935	443113.89600	650978.66400	NGS Stainless Steel Rod in Monument Box(Not Shown)
N428	39°02'47.60744"N	108°33'42.12297"W	1411.628	1394.770	443942.76900	649418.63600	NGS Stainless Steel Rod in Monument Box(Not Shown)
3290	39°02'58.93846"N	108°33'57.81084"W	1405.162	1388.324	444304.69200	649053.41700	CDOT TYPE 5(S) Copper Alloy Monument
3295	39°02'55.83001"N	108°33'57.49899"W	1407.639	1390.772	444208.64200	649057.67600	CDOT TYPE 2 Monument
3288	39°02'59.43964"N	108°34'00.88389"W	1408.810	1391.972	444322.63200	648980.09000	CDOT TYPE 2 Monument

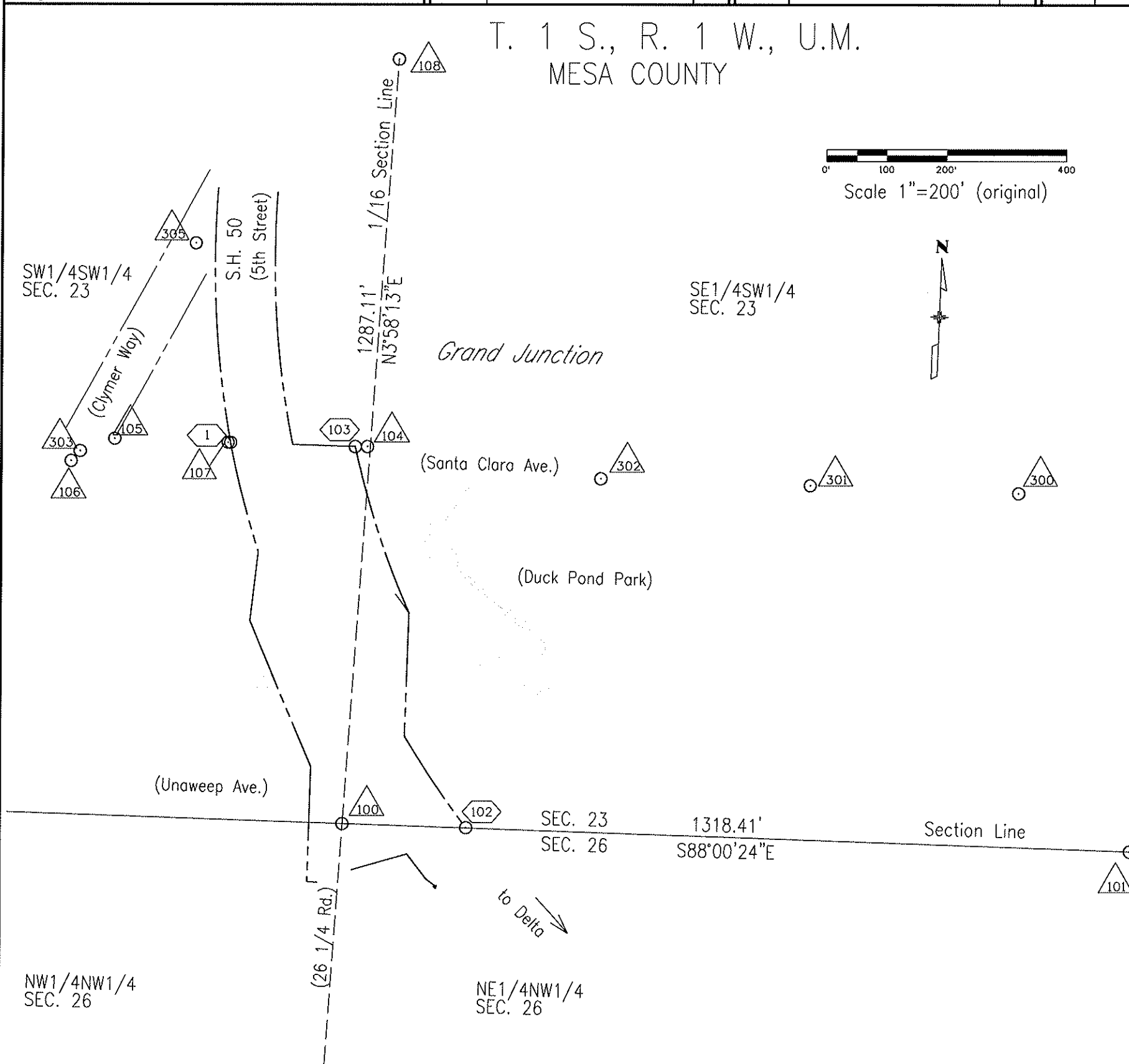


Sheet Revisions		
Date	Description	Initials
10-8-10	add ref mks. 106 REF and 112 REF	JWJ

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Monumentation Sheet			
Plan Sheet			
Project Number: C 0501-058			
Project Location: R3 Culvert Repairs - SH50 Grand Jct RE			
SH 50 GJ Duck Pond Park Culvert			
Project Code:	Lost Mod. Date	Subset	Sheet No.
17684	10-8-10		4.01



TABULATION OF RIGHT-OF-WAY MARKERS FOUND			
POINT NO.	NORTHING	EASTING	DESCRIPTION
1	14720.57	30031.29	STATE HWY DEPT MONUMENT (Sta. 135+16) 3.25" BC in concrete
102	14073.42	30424.48	STATE HWY DEPT MONUMENT (Sta. 142+78) 3.25" BC in concrete
103	14713.56	30238.71	STATE HWY DEPT MONUMENT (Sta. 135+65) 3.25" BC in concrete

TABULATION OF PROPERTY MARKERS FOUND			
POINT NO.	NORTHING	EASTING	DESCRIPTION
104	14713.18	30258.89	rebar with 2" Al. cap, Rolland Eng. LS 18469
105	14727.13	29836.29	a fnd 2" Al cap - LS 24306 (DH Surveying)
106	14689.46	29764.10	SW cor. Block 5, Orchard Mesa Heights Subd. fnd. rebar and 1.5" Al cap - LS 10386
107	14720.78	30027.21	2" Al cap LS 24306 (D H Surveys Inc) - WC
300	14635.97	31347.27	Santa Clara & Escalante - fnd. hinge nail (City Monument)
301	14648.92	30999.18	Santa Clara & Laveta - fnd hinge nail (City Monument)
302	14660.11	30648.84	Santa Clara & Dolores - fnd hinge nail (City Monument)
303	14706.01	29778.95	centerline monument Block 5 - rebar with washer (City Monument)
305	15055.11	29971.71	Block 5 centerline monument, Clymer Way - rebar with washer (City Monument)

TABULATION OF ALIQUOT MARKERS FOUND			
POINT NO.	NORTHING	EASTING	DESCRIPTION
100	14080.04	30219.47	W1/16 cor. S23/26, (MCSM) #493, fnd 3.25" BC
101	14034.18	31537.08	1/4 cor. S23/26 T1S, R1W (MCSM) #273 - fnd. 3.25" BC
108	15364.06	30308.59	SW 1/16, S23, (MCSM) #521, fnd 3.25" BC

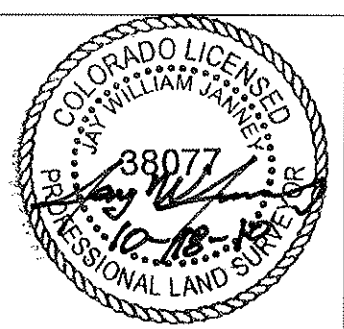
TABULATION OF RIGHT-OF-WAY MARKERS (SET)			
POINT NO.	NORTHING	EASTING	DESCRIPTION
4	14716.97	30135.00	CDOT ROW monument
24	14227.24	30321.94	CDOT ROW monument
106	14434.76	30328.56	not set, see ref. marker, pnt 106 REF
106 WC	14430.49	30328.29	CDOT ROW monument (WC set 4.3' from pnt 106)
112	14176.16	30166.86	not set, see ref. marker, pnt 112 REF
112 WC	14201.35	30156.34	CDOT ROW monument (WC set 27.3' from pnt 112)
113	14421.59	30064.39	CDOT ROW monument
114	14536.66	30078.23	CDOT ROW monument

TABULATION OF OTHER POINTS		
POINT NO.	NORTHING	EASTING
216	14265.78	30129.44
219	14384.14	30080.02
220	14330.06	30052.47
221	14290.20	30070.01
241	14339.37	30098.72
243	14320.92	30106.42
244	14331.44	30080.36
246	14312.98	30088.07

SURVEYOR STATEMENT (ROW MONUMENTS)

I, Jay William Jonney, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, adequate research, calculations and evaluation of survey evidence were performed and the Right-of-Way monuments depicted on this Right-of-Way Plan were set under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 38077



Colorado Department of Transportation

222 South 6th Street
Room 317
Grand Junction, CO 81501
Phone: 970-683-6234 FAX: 970-683-6249

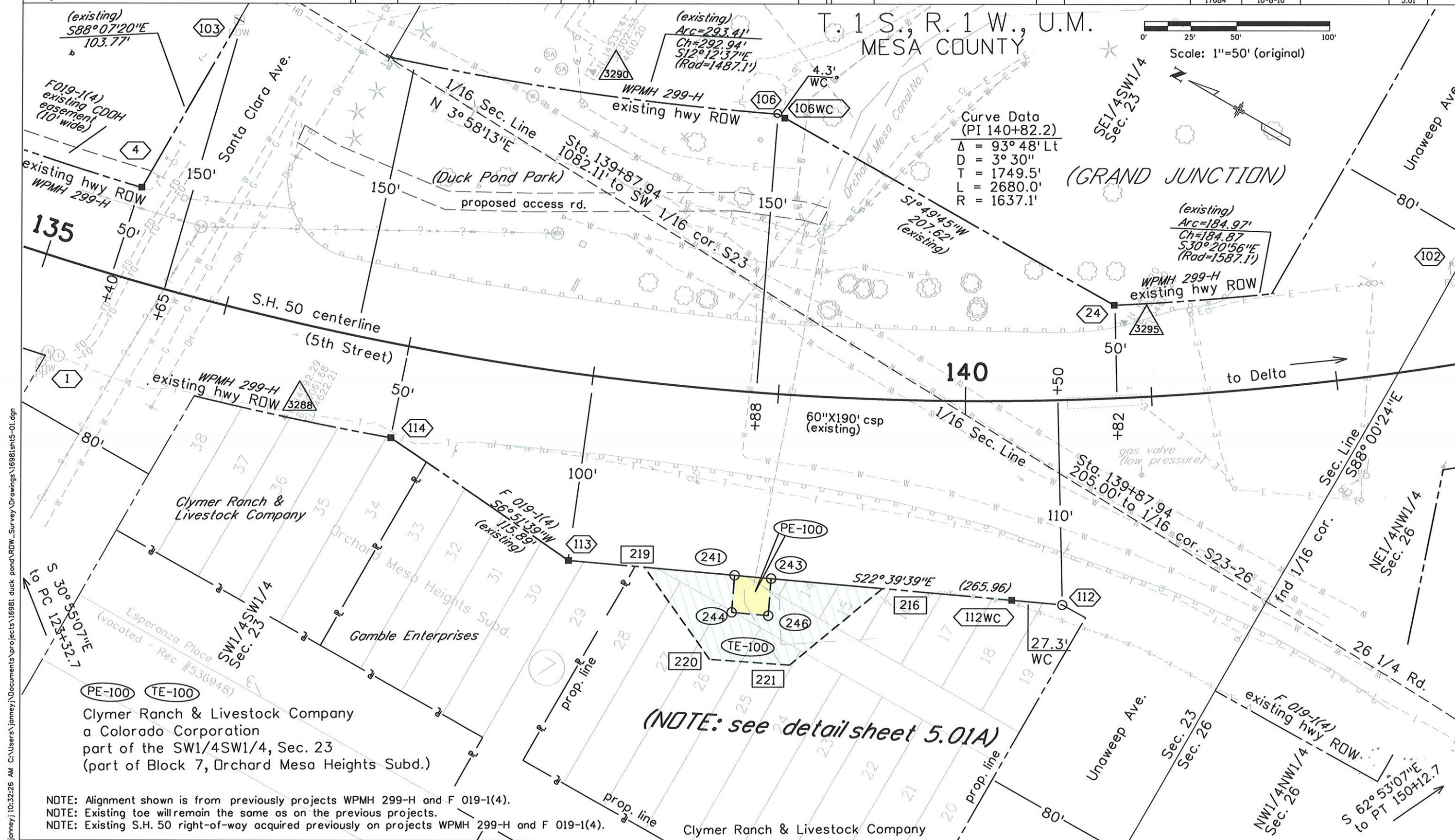
Region 3 LED

Sheet Revisions		
Date	Description	Initials
10-8-10	add Ref. mks for ROW mks. 106 & 112	JWJ

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Right of Way Plans			
Plan Sheet			
Project Number: C 0501-058			
Project Location: R3 Culvert Repairs - SH50 Grand Jct RE			
SH 50 GJ Duck Pond Park Culvert			
Project Code:	Last Mod. Date	Subset	Sheet No.
17684	10-8-10		5.01



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Sheet Revisions		
Date	Description	Initials
10-8-10	add ref. marker	JWJ

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Right of Way Plans			
Plan Sheet			
Project Number: C 0501-058			
Project Location: R3 Culvert Repairs - SH50 Grand Jct RE			
SH 50 GJ Duck Pond Park Culvert			
Project Code:	Last Mod. Date	Subset	Sheet No.
17684	10-8-10		5.01A

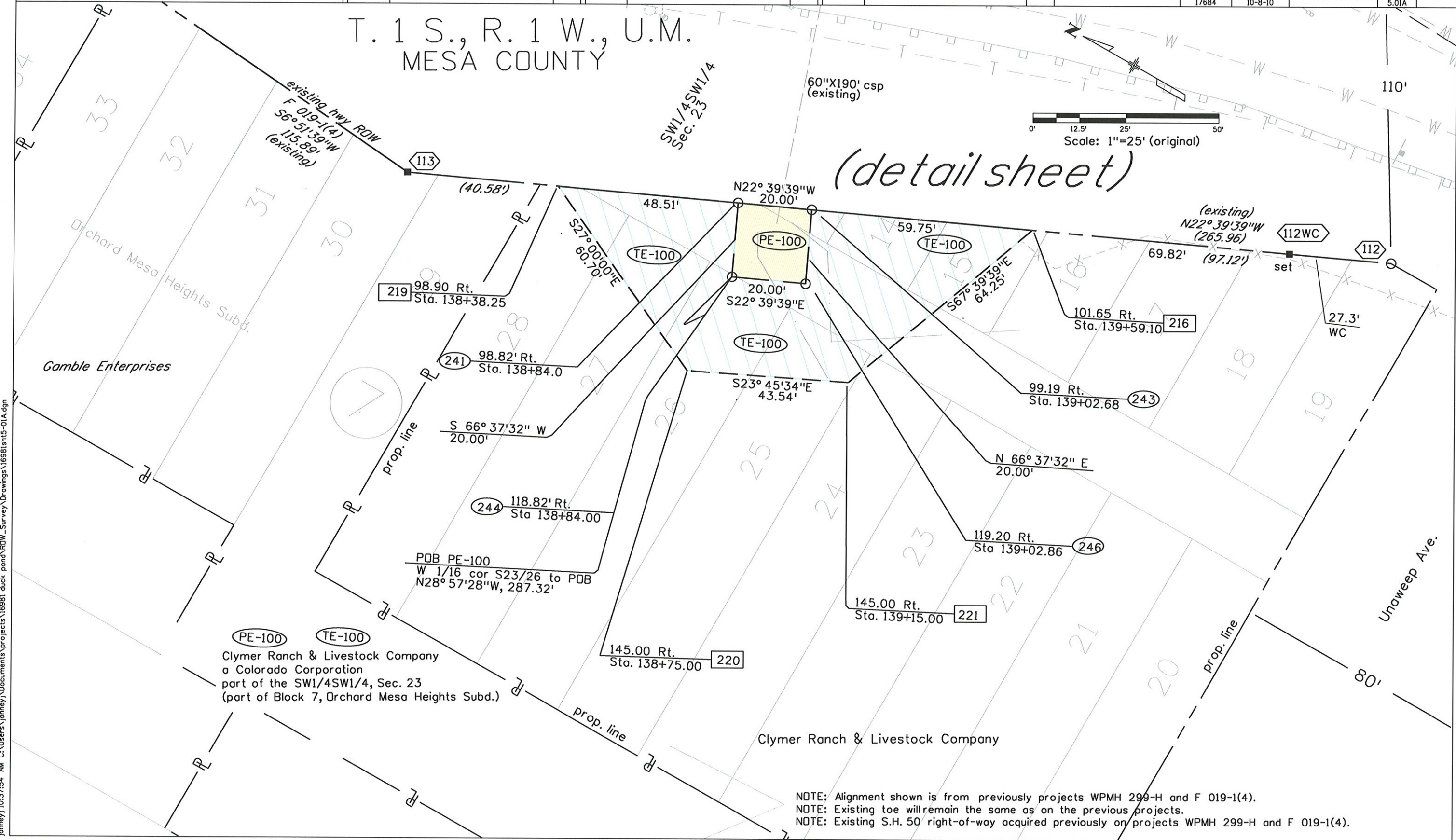
T. 1 S., R. 1 W., U.M.
MESA COUNTY

SW1/4SW1/4
Sec. 23

60"x190' csp
(existing)

Scale: 1"=25' (original)

(detail sheet)



NOTE: Alignment shown is from previously projects WPMH 299-H and F 019-1(4).
NOTE: Existing toe will remain the same as on the previous projects.
NOTE: Existing S.H. 50 right-of-way acquired previously on projects WPMH 299-H and F 019-1(4).