

Region 4  
1420 2nd Street  
Greeley, CO 80631  
Phone: (970) 350-2157 FAX: (970) 350-2178

RIGHT OF WAY PLANS UNIT: JRJ

Sheet Revisions	
mm/yr	xxx
	xxxx

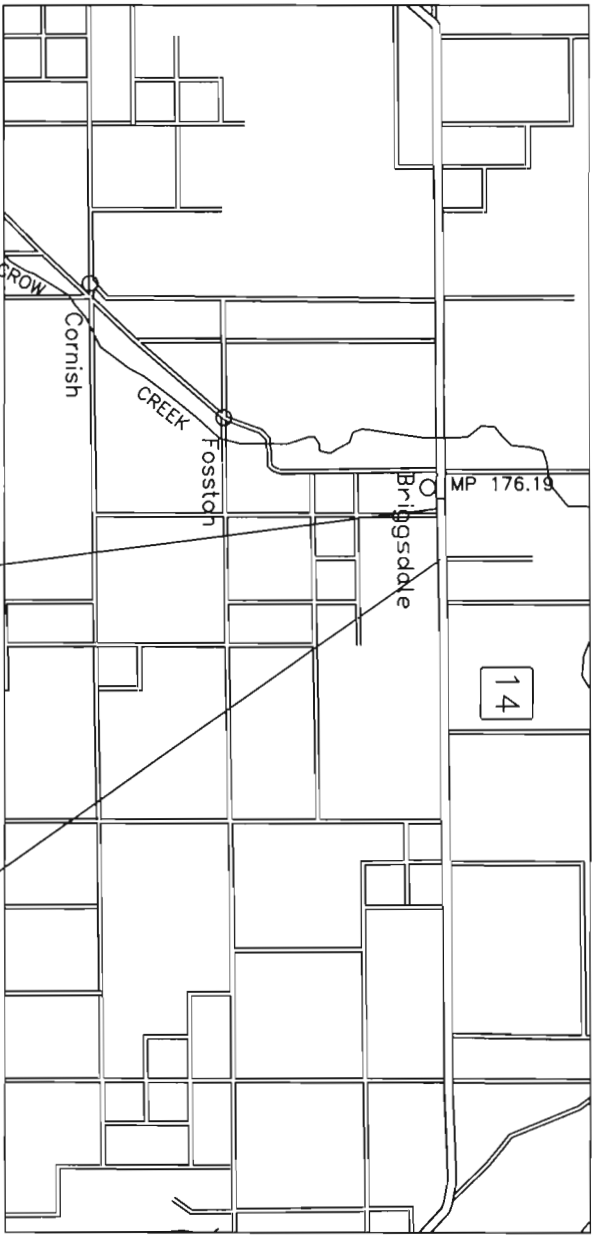
RIGHT OF WAY	
TITLE SHEET	
C 0142-040	
SH 14 Briggsdale Safety Project	
PROJECT CODE: 14313	SHEET NUMBER: 1

- INDEX OF SHEETS
- 1 Title Sheet
  - 2 - 3C Tabulation of Properties
  - 3 - 3C Control Diagram
  - 4 Monumentation Sheets
  - 5 - 5A ROW Plan/Ownership Sheets

# DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED  
PROJECT NO. C 0142-040  
STATE HIGHWAY NO. 14  
WELD COUNTY  
RIGHT OF WAY

SCALES OF ORIGINAL DRAWINGS 1" = 100'  
R.O.W. LENGTH OF PROJECT 0.026 miles



End ROW Project Sta 30+35

Begin ROW Project Sta 42+30

County Line \_\_\_\_\_ Township or Range Line \_\_\_\_\_ Section Line \_\_\_\_\_ 1/4 Section Line \_\_\_\_\_ 1/16 Section Line \_\_\_\_\_

Land Lines \_\_\_\_\_ Property or Tract Line \_\_\_\_\_ City Limits \_\_\_\_\_ Railroad \_\_\_\_\_ Existing Road \_\_\_\_\_ New Road \_\_\_\_\_

Control of Access \_\_\_\_\_ Access denied by Deed \_\_\_\_\_ Right of Way Line \_\_\_\_\_ Protected by Freeway (Virgin Location) \_\_\_\_\_ Top of Cuts \_\_\_\_\_ Barbed Wire Fence \_\_\_\_\_ Chain Link Fence \_\_\_\_\_ Woven Wire - Combination Fence \_\_\_\_\_ Snow Fence \_\_\_\_\_ Wood Fence \_\_\_\_\_ Deer Fence \_\_\_\_\_

Trees \_\_\_\_\_ Deciduous \_\_\_\_\_ Coniferous \_\_\_\_\_

Tel & Telg. Lines \_\_\_\_\_ Electric Lines \_\_\_\_\_ Elec. Trans. Tower \_\_\_\_\_ Buried Tel. Cable \_\_\_\_\_ Gas Main \_\_\_\_\_ Oil Main \_\_\_\_\_ Water Main \_\_\_\_\_ Sanitary Sewers \_\_\_\_\_ Storm Sewers \_\_\_\_\_

Road Approaches \_\_\_\_\_

Section Corner \_\_\_\_\_ Center of Section \_\_\_\_\_

Culverts & Drains \_\_\_\_\_ Proposed \_\_\_\_\_ Existing \_\_\_\_\_ No Mark \_\_\_\_\_ 1 Mark \_\_\_\_\_ 2 Marks \_\_\_\_\_ End Sections \_\_\_\_\_ Existing (To be deleted) \_\_\_\_\_

Bridges \_\_\_\_\_ Existing (To be deleted) \_\_\_\_\_

FILING CERTIFICATION:  
DEPOSITED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 19\_\_\_\_, AT \_\_\_\_\_ M., FOR INFORMATION  
ONLY IN BOOK \_\_\_\_\_ OF THE COUNTY LAND SURVEYS/RIGHT OF WAY  
SURVEYS AT PAGE \_\_\_\_\_, RECEPTION NUMBER \_\_\_\_\_

SIGNED \_\_\_\_\_  
DEPT. \_\_\_\_\_

BASIS OF BEARINGS


All bearings are based on the southerly line of the Southwest Quarter of Section 21, Township 8 North, Range 62 West assumed to bear N 88°59'20" E a distance of 2648.00 feet, monumented as shown.

SOUTHWEST CORNER  
FOUND CDOT ALUM CAP  
IN RANGE BOX, PLS 8142

SOUTH 1/4 CORNER  
FOUND CDOT ALUM CAP  
IN RANGE BOX, PLS 8142

South Line of the SW 1/4 of Sec. 21  
N 88°59'20" E





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1420 2nd Street

Greely, CO 80631

Phone: (970) 350-2173

Fax: (970) 350-2223

Survey Unit: Mark D. Guerrero

Sheet Revisions	

SH 14 176.19 RP to 176.29 RP  
Weld County, Colorado  
Section 21 & 28, T8N, R62W, 6th P.M.

Project Control Diagram			
Title Sheet			
Project Number: C0142-040			
Project Location: SH 14 - 1 MILE EAST OF CR 392			
Project Location: IN WELD COUNTY			
Project Code:	Last Mod. Date	Sheet Sheets	Sheet No. Total No. of Sheets
14313	02/24/2003	1 of 4	3 4

PROJECT COORDINATES SUMMARY TABLE (FEET)

POINT NAME	PROJECT COORDINATES		ELEV (NAVD 88)	DESCRIPTION
	NORTHING	EASTING		
CP 7605 (MP 176.05)	166055.070	371360.468	4827.36	CDOT Type II Control Monument
CP 7620 (MP 176.20)	166129.500	372134.595	4851.88	CDOT Type II Control Monument
CP 7635 (MP 176.35)	166088.486	372933.387	4863.57	CDOT Type II Control Monument
CP 7650 (MP 176.50)	166104.516	373690.208	4873.41	CDOT Type II Control Monument
CP 7664 (MP 176.64)	166020.993	374429.231	4886.73	CDOT Type II Control Monument
CP 7673 (MP 176.73)	166123.189	374899.722	4887.57	CDOT Type II Control Monument

GPS COORDINATE SUMMARY TABLE (METRIC)  
(ADJUSTED FIELD DATA)

POINT NAME	GEODETIC COORDINATES NAD-83(92) (CHARN)		ELLIPSOID (NAVD 88)	MAPPING ANGLE	SCALE	NAD 83(92) ZONE 0501	
	LATITUDE(N)	LONGITUDE(W)				NORTHING(m)	EASTING(m)
CP 7605 (MP 176.05)	40° 38' 22.92371"	104° 20' 06.67358"	1453.082	0° 45' 09.44850"	0.999979847	450497.866	1012930.478
CP 7620 (MP 176.20)	40° 38' 23.55836"	104° 19' 56.62252"	1460.551	0° 45' 15.94282"	0.999979867	450520.547	1013166.372
CP 7635 (MP 176.35)	40° 38' 23.04919"	104° 19' 46.527133"	1464.110	0° 45' 22.63107"	0.999979851	450508.049	1013409.782
CP 7650 (MP 176.50)	40° 38' 23.10874"	104° 19' 36.45464"	1467.102	0° 45' 28.97396"	0.999979853	450512.934	1013640.402
CP 7664 (MP 176.64)	40° 38' 22.18700"	104° 19' 26.88587"	1471.156	0° 45' 35.15667"	0.999979822	450487.482	1013865.599
CP 7673 (MP 176.73)	40° 38' 23.13482"	104° 19' 20.76729"	1471.405	0° 45' 39.11009"	0.999979853	450518.624	1014008.968
BRIGGS (HARN Pt.)	40° 38' 22.79276"	104° 23' 05.23387"	1491.580	0° 43' 14.07473"	0.999979842	450439.889	1008735.207
PARACHINI (Densification Pt.)	40° 28' 52.44714"	104° 05' 23.51288"	1415.738	0° 54' 40.08817"	0.999964917	433204.982	1033959.911

**BASIS OF BEARINGS:** Bearings used in the calculation of coordinates are based on a grid bearing of S 55°39'25" E from HARN Point "BRIGGS" (NGS horizontal control disk set in top of a round concrete post stamped BRIGGS 1960) Section 24, Township 8 North, Range 63 West, Sixth P.M. and the Densification Point "PARACHINI" (NGS horizontal control disk set in top of a round concrete post stamped PARACHINI 1997) Section 16, Township 6 North, Range 60 West, Sixth P.M. as obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

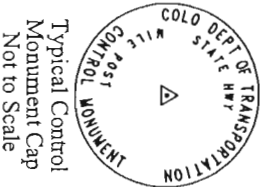
**BASIS OF ELEVATIONS:** Project is based on a NAVD 88 elevation of 1509.728m on HARN Point "BRIGGS" (NGS horizontal control disk set in top of a round concrete post stamped BRIGGS 1960). All other Control Point elevations were GPS derived.

**COORDINATE DATUM:** Project Coordinates are modified Colorado State Plane North Zone NAD 83(92) coordinates. State Plane Coordinates were modified to mean project elevation of 1509.728m. The combined elevation/scale factor used to modify the coordinates was 0.9997429715. Project Coordinates are truncated by 400,000 in the Northing and 900,000 in the Easting. The CHARN is based on NAD 83(92) datum.

**NOTE:** 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 statement shown.

**NOTE:** No guarantee as to the accuracy of the information contained on the attached drawing is either stated or implied unless this copy bears an original signature of the professional land surveyor hereon named.


**SURVEYORS STATEMENT:** I, Lee K. Groves, a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my direct supervision this \_\_\_\_\_ day of \_\_\_\_\_, from a field survey performed under my supervision 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 CDOT Type B Survey and this topographic survey, as shown, meets the minimum horizontal control tolerances of a CDOT Type D Survey as listed in the Colorado Department of Transportation Survey Manual Chapter Three (Revised 4/29/92).



Typical Control Monument Cap  
Not to Scale

▲ CP - Control Point Monuments set by CDOT. They are CDOT Type 2 monuments a 3-1/4" dia. aluminum control monument cap (as shown) on a 3' X 3/4" dia. finned aluminum security rod on a 3' X 3/4" dia. smooth aluminum rod.

Lee K. Groves L.S. 34169



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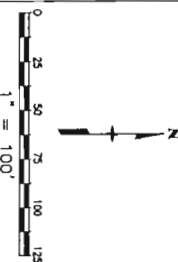
Colorado Department of Transportation

Survey Unit: Mark D. Guerrero

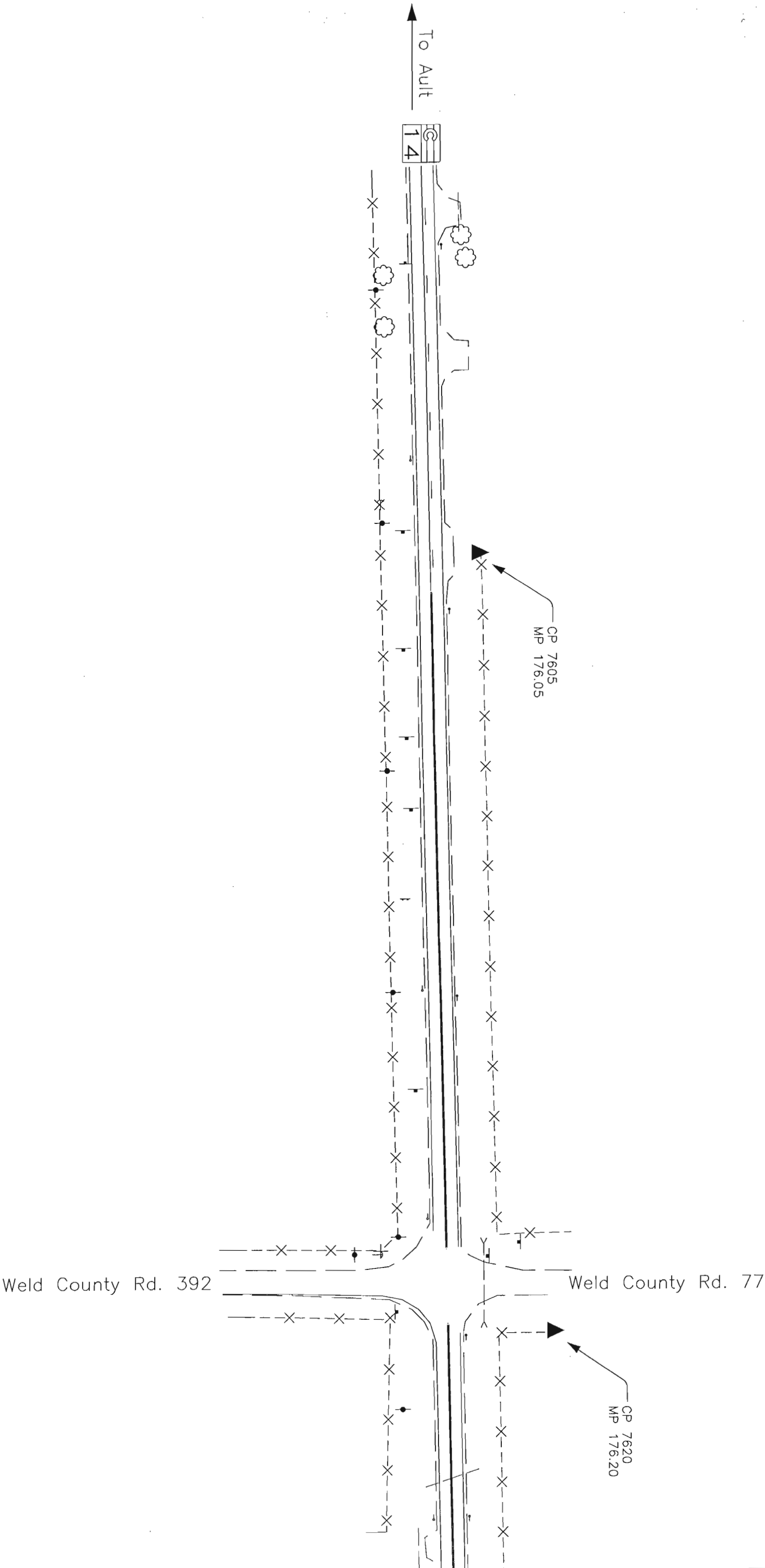
COLORADO DEPARTMENT OF TRANSPORTATION

Sheet Revisions	
Rev./Date	

SH 14 176.19 RP to 176.29 RP  
Weld County, Colorado  
Section 21 & 28, T8N, R62W, 6th P.M.



Project Control Diagram			
Plan Sheet			
Project Number: C0142-040			
Project Location: SH 14 - 1 MILE EAST OF CR 392			
Project Location: IN WELD COUNTY			
Project Code:	Last Mod. Date	Sheet No.	Total No. of Sheets
14313	02/24/2003	2 of 4	3-A 4

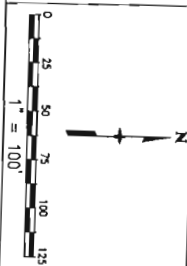


COLORADO DEPARTMENT OF TRANSPORTATION

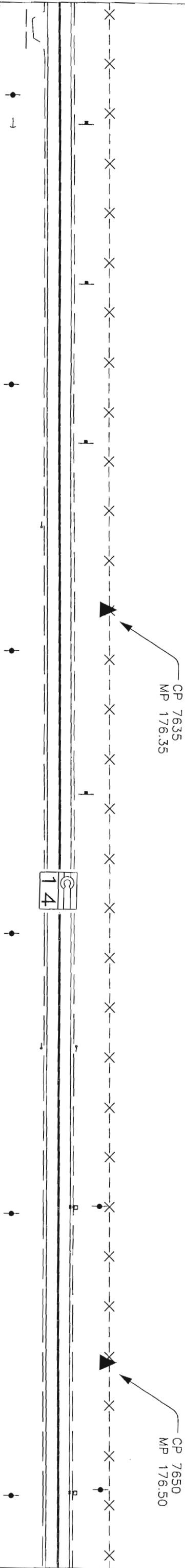
**DOT** Region 4  
1420 2nd Street  
Greeley, CO 80631  
Phone: (970) 350-2173 Fax: (970) 350-2223  
Survey Unit: Mark D. Guerrero

Sheet Revisions	
Rev	Date


SH 14 176.19 RP to 176.29 RP  
Weld County, Colorado  
Section 21 & 28, T8N, R62W, 6th P.M.



Project Control Diagram			
Plan Sheet			
Project Number: C0142-040			
Project Location: SH 14 - 1 MILE EAST OF CR 392			
Project Location: IN WELD COUNTY			
Project Code: 14513	Last Mod. Date: 02/24/2003	Subset Sheets: 3 of 4	Sheet No. 3-B
			Total No. of Sheets: 4



COLORADO DEPARTMENT OF TRANSPORTATION

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Survey Unit Mark D. Guerrero

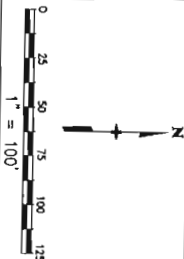
Sheet Revisions

Rev	By	Date	Description

SH 14 176.19 RP to 176.29 RP  
Weld County, Colorado  
Section 21 & 28, T8N, R62W, 6th P.M.

Project Control Diagram


Plan Sheet			
Project Number: C0142-040			
Project Location: SH 14 - 1 MILE EAST OF CR 392			
Project Location: IN WELD COUNTY			
Project Code: 14313	Last Mod. Date: 02/24/2003	Sheet No. 4 of 4	Total No. of Sheets 4




5th Avenue

CP 7664  
MP 176.64

CP 7673  
MP 176.73

 14 To Sterling



Region 4 Right-of-Way  
1420 2nd Street  
Greeley, CO 80631  
Phone: (303) 350-2153  
Fax: (303) 350-2178

Right of Way Plans Unit  
Jerry R. Johnson, PLS

COLORADO DEPARTMENT OF TRANSPORTATION

Sheet Revisions		Sheet Revisions		Sheet Revisions	
mm/dd/yy	xxxx	mm/dd/yy	xxxx	mm/dd/yy	xxxx

Right Of Way Plans Monumentation Sheet					
Project Number: C 0142-040					
Project Location: SH 14 Briggsdale Safety Project					
Project Code: 14313					
Last Mod. Date 03/06/2003		Subset Sheets 1 of 1		Sheet No. 4	Total No. of Sheets 9

TABULATION OF ALIQUOT CORNERS  
TO BE RESET

POINT NO.	NORTHING	EASTING
5000	166053.872	374030.075

TABULATION OF TEMPORARY EASEMENT  
POINTS TO BE STAKED

POINT NO.	NORTHING	EASTING
607	166009.033	373821.881
608	166001.561	373965.539
609	166012.825	374000.073
610	165982.643	374000.782
611	165996.491	373988.533
612	166014.255	374060.056
613	166014.926	374099.185
614	165984.501	374060.626
615	166115.289	374114.599
616	166135.293	374114.599
617	166135.932	374144.599
618	166115.927	374144.599
619	166117.058	374197.721
620	166137.062	374197.721
621	166137.701	374227.721
622	166117.696	374227.721
623	166121.678	374414.853
624	166141.683	374414.853
625	166142.747	374464.853
626	166122.743	374464.853
627	166128.610	374740.550
628	166148.605	374740.125
629	166149.669	374790.114
630	166129.673	374790.539
631	166133.449	374967.987
632	166153.445	374967.562
633	166154.509	375017.551
634	166134.513	375017.976

GENERAL NOTES

1. This Right of Way plan is not a complete boundary survey of all adjoining owners and is prepared for Transportation Department purposes Only.
2. Survey Control Points set with a higher degree of accuracy than ROW Markers.
3. 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.
4. All R.O.W. Markers set from survey control points.
5. All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field. All stationing is approximate.
6. All coordinates listed are project coordinates only.
7. Field survey control precision computed to exceed 1/20,000.
- 8.No Commitments for title insurance were supplied for this project. Easements are located from available records.

QUANTITY OF MONUMENTS TO BE SET

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

SURVEYOR CERTIFICATE (FIELD)

Control Survey and Monumentation was done under my supervision and checking.


NAME \_\_\_\_\_ P.L.S. NO. \_\_\_\_\_  
DATE \_\_\_\_\_

SURVEYOR CERTIFICATE (OFFICE)

R.O.W. Plans and Legal Descriptions were prepared under my supervision and checking.

NAME \_\_\_\_\_ P.L.S. NO. \_\_\_\_\_  
DATE \_\_\_\_\_

COLORADO DEPARTMENT OF TRANSPORTATION



Region 4

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Right of Way Plans Unit: Jerry R. Johnson, PLS

Sheet Revisions		Sheet Revisions		Sheet Revisions	
Rev	Date	Rev	Date	Rev	Date
XXXX		XXXX		XXXX	

Right of Way Plans				
Plan and Ownership Sheet				
Project Number: C 0142-040				
Project Location: SH 14 Briggsdole Safety Project				
Project Location: Briggsdole, CO				
Project Code: 14313	Last Mod. Date: 03-04-03	Subset Sheets: 3 of 3	Sheet No.: 5	Total No. of Sheets: 9

T. 8 N., R. 62 W.,      6th Principal Meridian


SW 1/4  
SEC. 21

Gilliland, Wayne H. &  
Joyce C.  
38535 HWY 14  
Briggsdale, CO 80611

Sta. 30+35, Begin  
ROW Project

TE  
1  
Lueking, James  
10081 US HWY 6  
Oxford, NE 68967-2005

TE  
1  
607  
608  
611  
610  
178.23'  
143.86'  
23.55'  
18.49'  
30.10'

COLORADO DEPARTMENT OF TRANSPORTATION		Sheet Revisions		Sheet Revisions		Sheet Revisions		Right of Way Plans	
 Region 4 1420 2nd Street Greeley, CO 80631 Phone: (970) 350-2157 FAX: (970)350-2178 Department of Transportation Right of Way Plans Unit: Jerry R. Johnson, PLS		mm/dd/yy XXXX		mm/dd/yy XXX		mm/dd/yy XXXX		Plan and Ownership Sheet	
								Project Number: C 0142-040	
								Project Location: SH 14 Briggsdale Safety Project	
								Project Location: Briggsdale, CO	
								Project Code: Last Mod. Date	
								14313 02-28-03 3 of 3 SA Total No. of Sheets 9	

T. 8 N., R. 62 W., 6th Principal Meridian

SE 1/4  
SEC. 21

TE 2 Gilliland, Wayne H. &  
Joyce C.  
38535 HWY 14  
Briggsdale, CO 80611

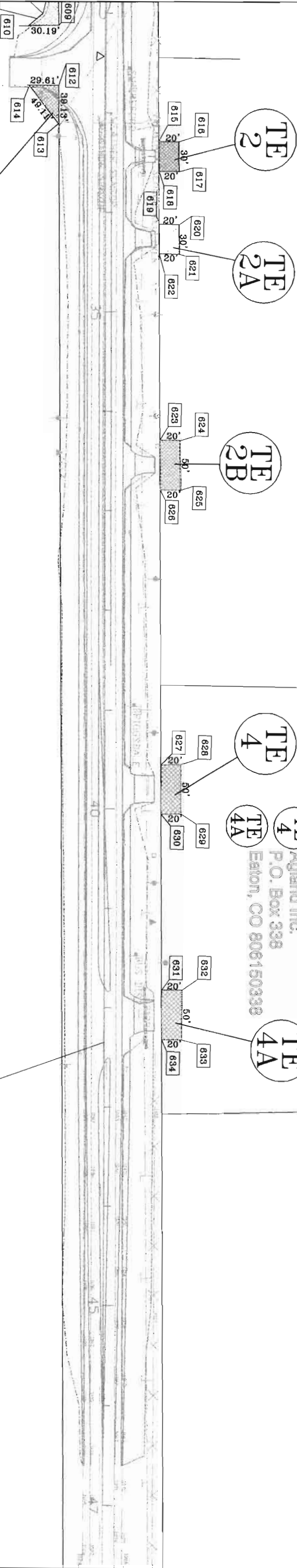
TE 2A

TE 2B

TE 4 Agland Inc.  
P.O. Box 338  
Eaton, CO 806150338

TE 4A

TE 4A



TE 3 Lueking, James  
10081 US HWY 6  
Oxford, NE 68967-2005

RIGHT-OF-WAY IN THIS AREA  
DOES NOT HAVE DOCUMENTS TO SUPPORT IT.

NE 1/4  
SEC. 28

Sta. 42+30, End  
ROW Project