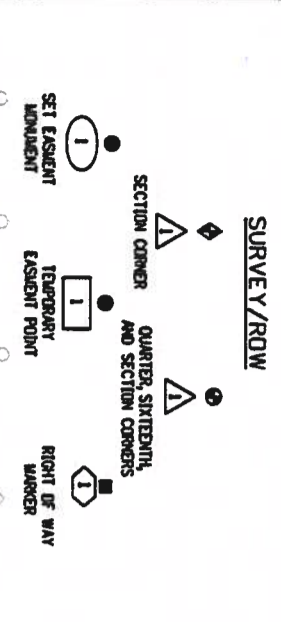


**Colorado Department of Transportation**  
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 Phone: 719-546-5454 FAX: 719-546-5414  
 Region 2 TTA

Sheet Revisions		Sheet Revisions		Sheet Revisions	
Date	Description	Date	Description	Date	Description

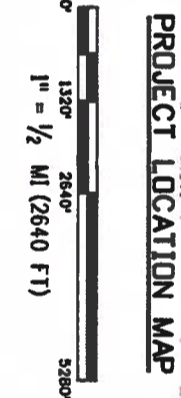
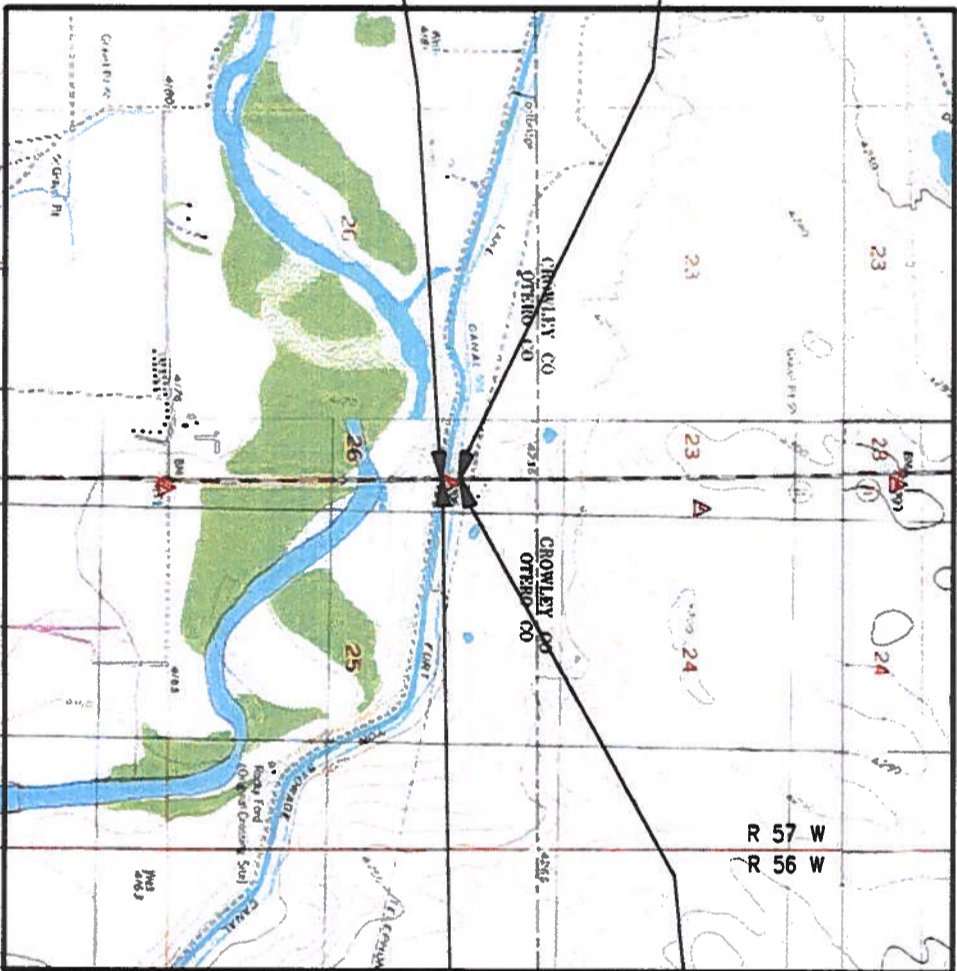
**Right of Way Plans**  
**Title Sheet**  
 Project Number: FBR 0711-016  
 Project Location: SH 71C BRIDGE L-22-K  
 M.P. 19.26  
 Project Code: L-22-K  
 Scale: 1.00 of 1.00  
 Sheet No. 1.01



- SURVEY/ROW**
- SECTION CORNER AND SECTION CORNERS**
- QUARTER, SINTERED**
- TEMPORARY EASMENT POINT**
- RIGHT OF WAY MARKER**
- SET EASMENT MONUMENT**
- BLM**
- PROPERTY PIN**
- NOAA MARKER**
- QUARTER, SINTERED, AND SECTION CORNERS**
- FED**
- WC**
- WC**
- BI**
- USGS**
- FEDERAL MONUMENT WITNESS CORNER BENCH MARK USGS MARKER**
- LOCAL OR PLSS MONUMENT**
- SECONDARY CONTROL MONUMENT**
- RIGHT OF WAY MARKER**
- PROJECT CONTROL MONUMENT**
- DENSIFICATION CONTROL MONUMENT**
- HIGH ACCURACY REFERENCE CONTROL MONUMENT**
- PERMANENT, PROPERTY, SURF, & UTILITY EASMENT LINE**
- TEMPORARY EASMENT LINE (EXISTING)**
- PROPERTY BOUNDARY LINE (EXISTING AND PROPOSED)**
- ACCESS CONTROL LINE**
- BARRIER ACCESS CONTROL LINE**
- RIGHT OF WAY LINE**
- VERGEM RIGHT OF WAY LINE (PROPOSED)**
- CITY LIMIT LINE (EXISTING)**
- COUNTY LINE (EXISTING)**
- QUARTER SECTION LINE**
- SECTION LINE**
- SIXTEENTH SECTION LINE**
- STATE LINE (EXISTING)**
- TOWNSHIP LINE (EXISTING)**
- TERRAIN**
- TOP OF CUT**
- TOE OF FILL**

**DEPARTMENT OF TRANSPORTATION**  
**STATE OF COLORADO**  
**RIGHT OF WAY PLANS OF PROPOSED**  
**STATE PROJECT NO. FBR 0711-016**  
**STATE HIGHWAY NO. 71 C**  
**OTERO COUNTY**  
**Sections 25 & 26, Township 22 S Range 57 West**  
**of the 6th P.M.**

R.D.W. Length of Project = 0.2 Miles  
 Const. Length of Project = 0.2 Miles



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 or 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 NO. INDEX OF SHEETS**

1.01	(1) Title Sheet
2.01	(1) Tabulation of Properties
3.01-3.03	(3) Project Control Diagram
4.01-4.0X	(NA) Land Survey Control Diagram
5.01-5.0X	(NA) Monumentation Sheets
6.01-6.0X	(NA) Tabulation of Road Approach Sheets
7.01-7.0X	(1) Plan Sheets
8.01-8.0X	(NA) Ownership Map
(6)	Total Sheets

Scales of Original/1x17 Drawings  
 Plan Sheets 1"=100'

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N05°15'41"W from CM-MP 19.27 to CM-MP 19.54. Both monuments are CDOT Type II, marked appropriately for their milpost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

- 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.
- For title information, The Colorado Department of Transportation relied on Memorandum of Delineation prepared by CDOT personnel.
- 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.

**COLORADO DEPARTMENT OF TRANSPORTATION**  
**STATE HIGHWAY PROJECT**  
 ROW PLANS AUTHORIZED:  
*Wanda Travis*  
 CDOT RIGHT OF WAY MANAGER  
 DATE: 2/13/12

**SURVEYOR STATEMENT (ROW PLAN)**  
 I, LARRY R. LUCAS, 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 practice change 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. 30103



FILED CERTIFICATION:  
 DEPOSITED THIS DAY OF 19 BY F.  
 IN BOOK OF THE COUNTY LAND SURVEYS/RIGHT OF WAY  
 SURVEYS AT PAGE RECEPTION NUMBER  
 SIGNED DEPT.



Sheet Revisions	
Date	Description
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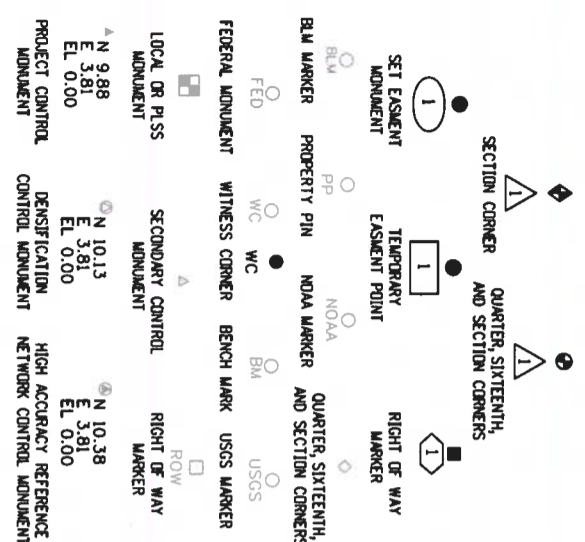
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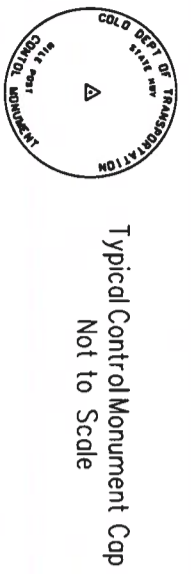
Project Control Diagram	
Title Sheet	
Project Number:	FBR 0711-016
Project Location:	SH 71 BRIDGE L-22-K
M.P.	19.26
Project Code:	18440
Last Mod. Date	2/02/2012
Sheet No.	3.01
Subject	3.01 of 3.XX

# DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

**PROJECT CONTROL DIAGRAM**  
 State Highway 71 MP 18.76 to 19.54  
 Section 25, 26  
 Township 22 South, Range 57 West  
 of the 6th Principal Meridian  
 County of Otero



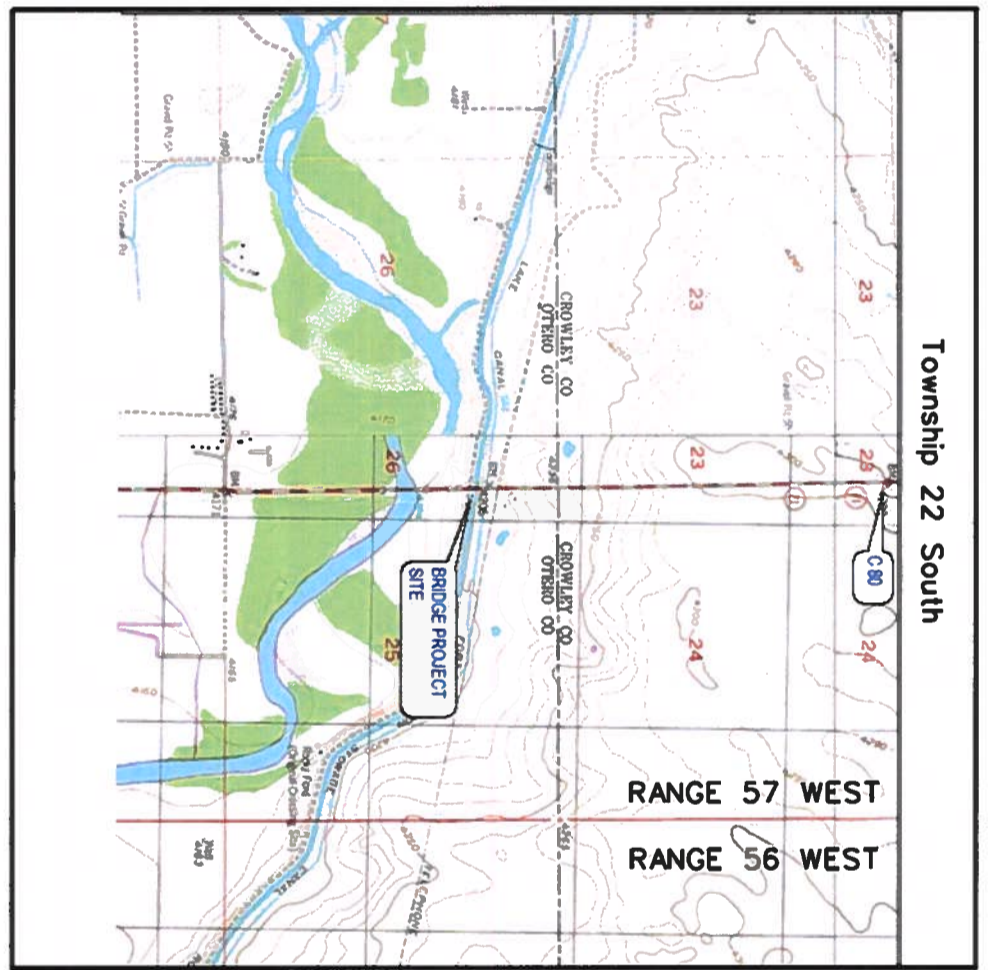
Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006. Existing features are shown as screened weight (gray scale). Proposed or new features are shown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



CM-MP - Control Point Monuments set by CDDT. They are CDDT Type 2 monuments, a 3/4" dia. aluminum control monument cap (as shown) on a 3' x 3/4" dia. aluminum security rod on a 3' x 3/4" dia. smooth aluminum rod.

General Notes:

1. This Project Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
2. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDDT 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.
3. 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.



SHEET NO.	INDEX OF SHEETS
3.01-3.0X	(1) Title Sheet
3.02-3.0X	(1) Coordinate Tables
3.03-3.0X	(1) Plan Sheet
	(3) Total Sheets

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N05°15'41"W from CM-MP 19.27 to CM-MP 19.54. Both monuments are CDDT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey base on the Colorado High Accuracy Reference Network (CHARN).

Basis of Elevations: Project elevations are based on Bench Mark C 271 1941, PID: JU0513, a standard bench mark disk set on top of a concrete monument, with a NAVD 88 elevation of 4261.92ft. C 271 is a SECOND CLASS order 0 benchmark. Elevations for Project were established by G.P.S. methods.

COORDINATE DATUM: Project coordinates are modified Colorado State Plane South Zone NAD 83/(03) coordinates.

The combined reciprocal elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0002403171. The resulting project coordinates are the State Plane Coordinates (SPC) truncated by 1,000,127.35 ft. in the Northing and 3,000,121.14 ft. in the easting and multiplied by the reciprocal combined factor.

Project Coordinates Northing (US Survey feet)  
 = SPC Northing (in feet) - 1,000,127.35 ft] \* 1.0002403171  
 Project Coordinates Easting (US Survey feet)  
 = SPC Easting (in feet) - 3,000,121.14 ft] \* 1.0002403171

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, Larry R. Lucas, a professional land surveyor licensed in the State of Colorado, do hereby state that 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 warranty or warranty, either expressed or implied.

PLS No. 30013



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**Region 2**

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

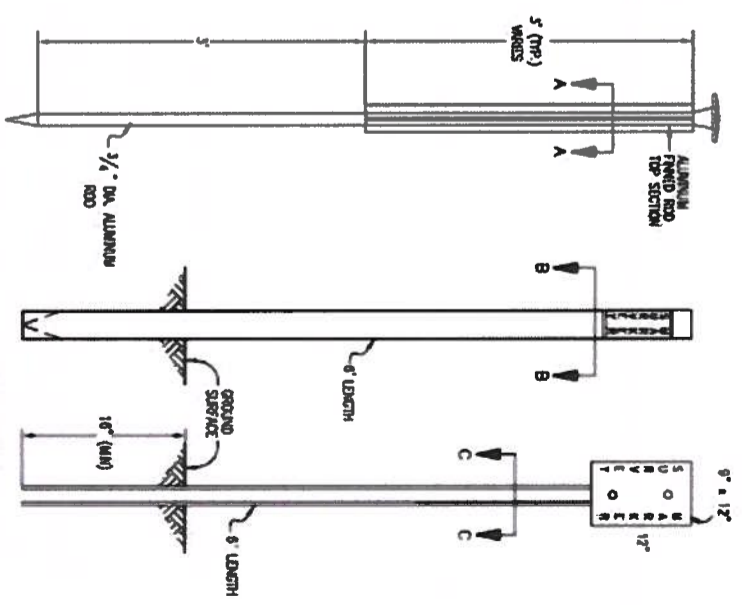
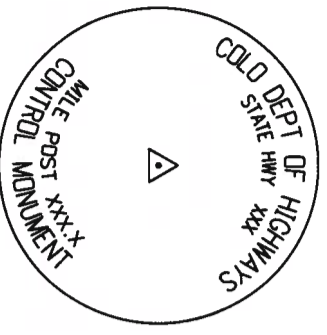
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Project Control Diagram			
Coordinate Tables			
Project Number: FBR 0711-016			
Project Location: SH 71 BRIDGE L-22-K			
M.P. 19.26			
Project Code	Last Mod. Date	Subset	Sheet No.
18440	02/07/2012	3.01 of 3.02	3.01

Point No.	Geodetic Coordinates NAD-83 (XX) (CHAM)		Etip Height (NAVD88) (SFT)	Ortho Height (SFT)	Mapping Angle	Grid Scale Factor	NAD 83(93) Zone South		Description
	Latitude (N)	Longitude (W)					SP Northing (SFT)	SP Easting (SFT)	
ROCKY FOR	3860379.82261°N	10364312.45328°W	4109.53	4180.63	1605°30'	0.999952647	1,509,658.87	3,512,472.69	USGS BRASS TABLET
C 271	3860628.38511°N	10364452.17349°W	4191.21	4281.92	1604°29'	0.999959718	1,541,646.20	3,503,893.27	USGS BRASS TABLET
1954	3860647.49421°N	10364432.07138°W	4165.69	4238.53	1604°29'	0.999957222	1,531,442.65	3,504,092.85	3.5 in Alum Cap Reference point to Sec
P 438 O CO	3860702.28898°N	10365443.16599°W	4221.90	4291.48	1605°27'	0.999957573	1,532,094.21	3,458,835.37	NGS DEEP ROD MONUMENT
1876	3860807.18758°N	10364450.26313°W	4101.99	4172.83	1604°30'	0.999956291	1,527,386.91	3,504,313.87	CDOT TYPE 5 MONUMENT
B271	3860638.24453°N	10364451.47309°W	4137.72	4208.56	1604°30'	0.999956859	1,530,305.81	3,504,182.00	USGS BRASS TABLET
1927	3860633.85762°N	10364450.78953°W	4131.84	4202.69	1604°30'	0.999956898	1,530,045.20	3,504,221.54	CDOT TYPE 2 MONUMENT

Point No.	Project Coordinates			Elev (ft) (NAVD88)	Description
	Northing (ft)	Eastng (ft)			
ROCKY FORD	589,553.94	512,474.67	4186.635	1875	
1954	531,442.98	504,092.82	4236.61	1875	
P438	532,094.69	456,824.01	4291.51	1875	
2156	541,648.99	503,893.19	4262.13	1875	
1876	527,366.26	504,313.90	4172.98	1875	
b271	539,305.86	504,161.99	4208.64	1876	
1927	539,045.20	504,221.54	4202.75	1875	
180	531,450.47	504,136.66		1877	

**COORDINATE DATUM:** Project coordinates are modified Colorado State Plane South Zone NAD 83(03) coordinates. The combined reciprocal elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0002403171. The resulting project coordinates are the State Plane Coordinates (SPC) truncated by 1,000,127.35 ft in the Northing and 3,000,121.14 ft in the easting and multiplied by the reciprocal combined factor.  
 Project Coordinates Northing (US Survey feet) = [SPC Northing (in feet) - 1,000,127.35 ft] \* 1.0002403171  
 Project Coordinates Easting (US Survey feet) = [SPC Easting (in feet) - 3,000,121.14 ft] \* 1.0002403171



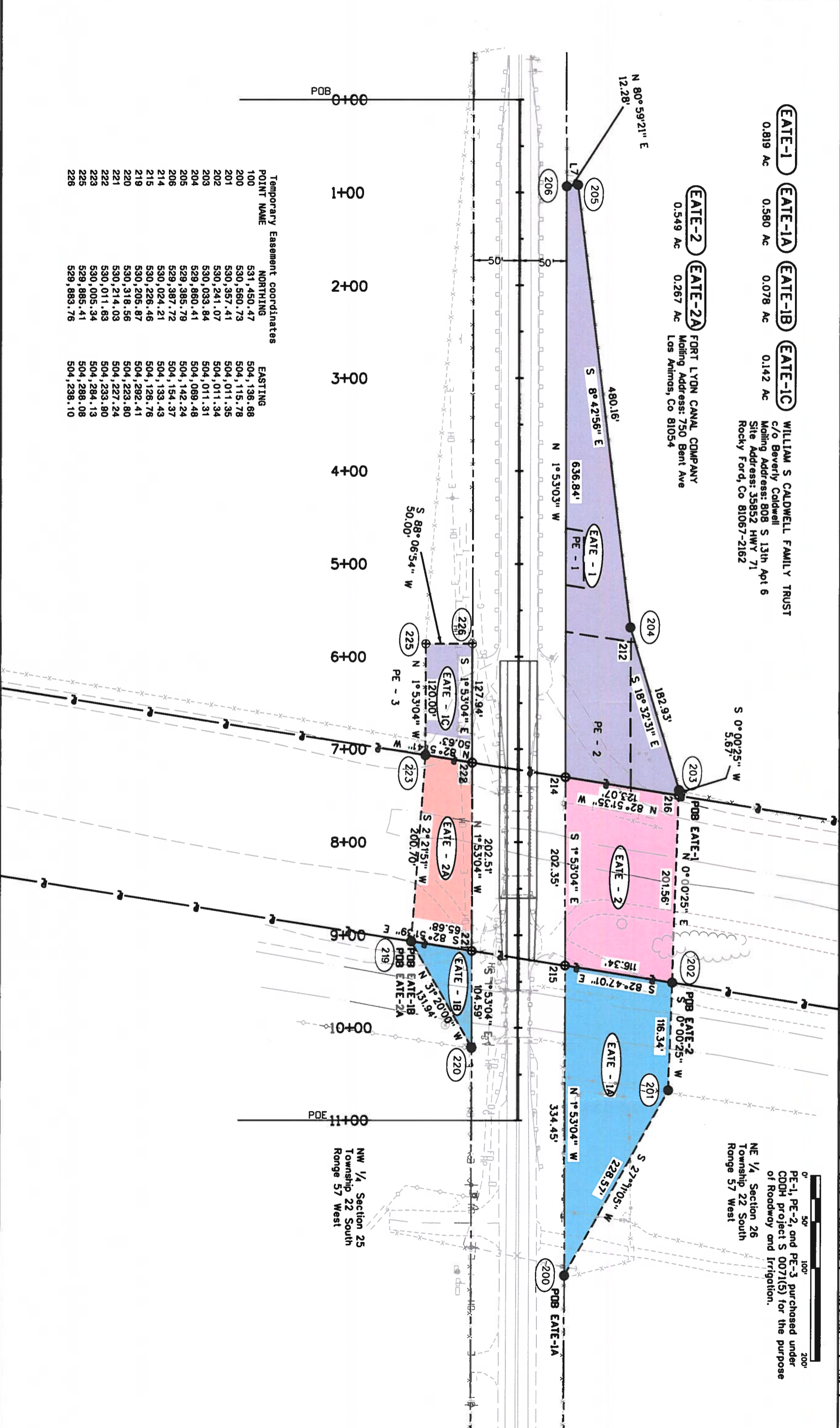
**Colorado Department of Transportation**  
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 905 Erie Avenue  
 Pueblo, CO 81002  
 Phone: 719-546-5454 FAX: 719-546-5414  
**Region 2**  
**TTA**

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

Date	Description	Initials
mm/dd/yy	XXXXXXXXXX	XXX

**Right of Way Plans**  
**Plan Sheet**  
 Project Number: FBR 0711-016  
 Project Location: SH 71 BRIDGE L-22-K  
 M.P. 19.26  
 Project Code: Last Mod. Date 02/02/2012  
 Subset 7.01 of 7.01  
 Sheet No. 7.01



Temporary Easement coordinates

POINT NAME	NORTHING	EASTING
100	531,450.47	504,136.68
200	530,560.73	504,115.78
201	530,357.41	504,011.35
202	530,241.07	504,011.34
203	530,033.84	504,011.31
204	529,860.41	504,089.48
205	529,385.78	504,142.24
206	529,387.72	504,154.37
214	530,024.21	504,133.43
215	530,226.46	504,126.76
219	530,205.87	504,292.41
220	530,318.56	504,223.80
221	530,214.03	504,227.24
222	530,011.63	504,233.80
223	530,005.34	504,284.13
225	529,885.41	504,288.08
226	529,883.76	504,238.10