

DOT

Department of Transportation

Region 4
Address: 1420 2nd Street
Greeley, CO 80632
Phone: 970-350-2173 FAX: 970-350-2223

Survey Unit: Mark Guerrero

Sheet Revisions		
Date	Description	Initials
05/10	As-Built	JTD

Project Control Diagram		
Title Sheet		
Project Number: SHE R400-213		
Project Location: FY 07 HES Intersections		
Project Location:		
Project Code: 16103	Last Mod. Date: 05-24-10	Subset Sheets: 1 of 1
Sheet No. 3		Total No. of Sheets 9

PROJECT COORDINATES SUMMARY TABLE (FEET)

POINT NAME	PROJECT COORDINATES		ELEV (NAVD 88)	DESCRIPTION
	NORTHING	EASTING		
CP 2729 (MP 27.29)	124991.00	194301.49	4931.83	CDOT Type II Control Monument
CP 2745 (MP 27.45)	124931.63	195164.35	4925.49	CDOT Type II Control Monument
CP 2746 (MP 27.46)	125778.39	195166.93	4924.99	CDOT Type II Control Monument

BASIS OF BEARINGS: Bearings used in the calculations of coordinates are based on a grid bearing of S 86°03'50" E from the Control Point "CP 2729 (MP 27.29)" (CDOT Type II Control Monument) and Control Point "CP 2745 (MP 27.45)" (CDOT Type II Control Monument) as obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

BASIS OF ELEVATIONS: Project elevations are GPS derived, using GEOID 03, based on a NAVD 88 elevation of 4981.19ft on NGS Bench Mark "N 62 1934" (NGS standard bench mark disk set in top of round concrete post).

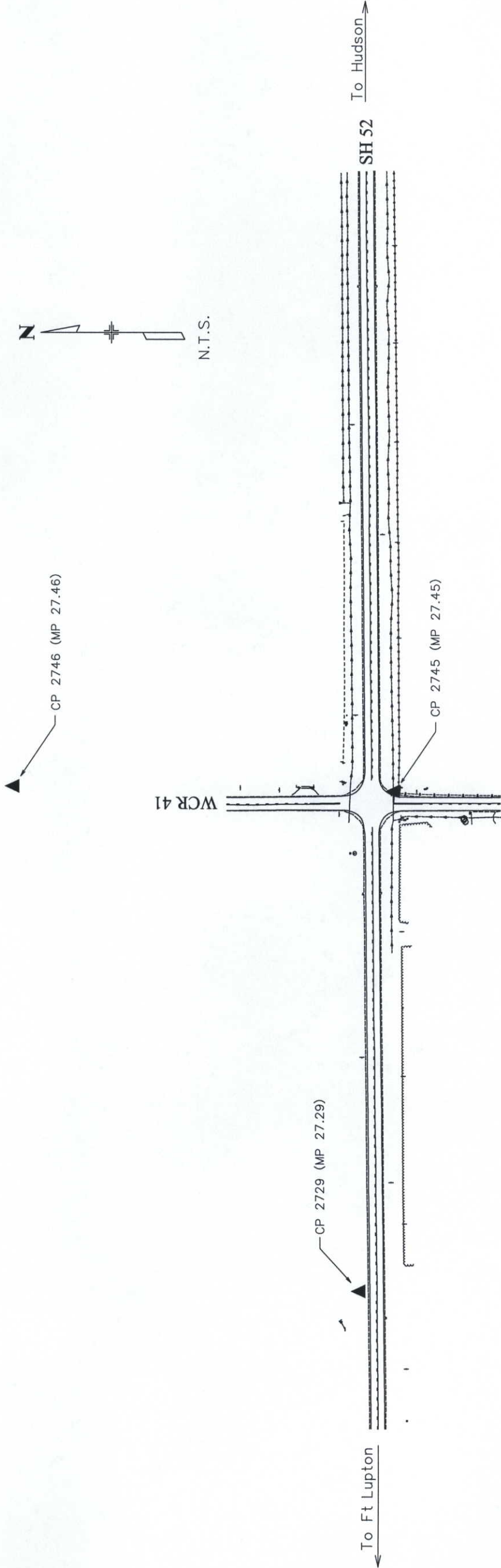
COORDINATE DATUM: Project coordinates are modified Colorado State Plane North Zone NAD 83(92) coordinates. The CHARN is based on NAD 83(92) datum. The HARN point used on this project is "HUDSON" (Stainless Steel Deep Rod stamped "HUDSON 1991") The project seed point coordinates are: Northing = 1148291.667ft, Easting = 3034770.833ft, and Elevation = 4939.602ft. The ground scale factor used to modify the coordinates is 1.0002721027. Project Coordinates are truncated by 350,000ft in the Northing and 925,000ft in the Easting. To get from Project to State Plane coordinates: add the truncation, subtract the seed point northing and easting, divide by the Ground Scale Factor, then add the seed point northing and easting.

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 named hereon.

SURVEYORS STATEMENT: I, Lee K. Groves, a Professional Land Surveyor in the State of Colorado, hereby state that this Project Control Diagram was prepared under my direct supervision this _____ day of _____, from a field survey performed under my supervision and checking 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 Class A Survey as listed in the Colorado Department of Transportation Survey Manual Chapter Five.

Lee K. Groves L.S. 34169



Colorado Department of Transportation



Region 4
Address: 1420 2nd Street
Greeley, CO 80631
Phone: 970-350-2173 FAX: 970-350-2178

Right of Way Plans Unit: MDG

Sheet Revisions

Date	Description	Initials
05/10	As-Built	JTO

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/yy	XXXXXXX	XXX

Right of Way Plans

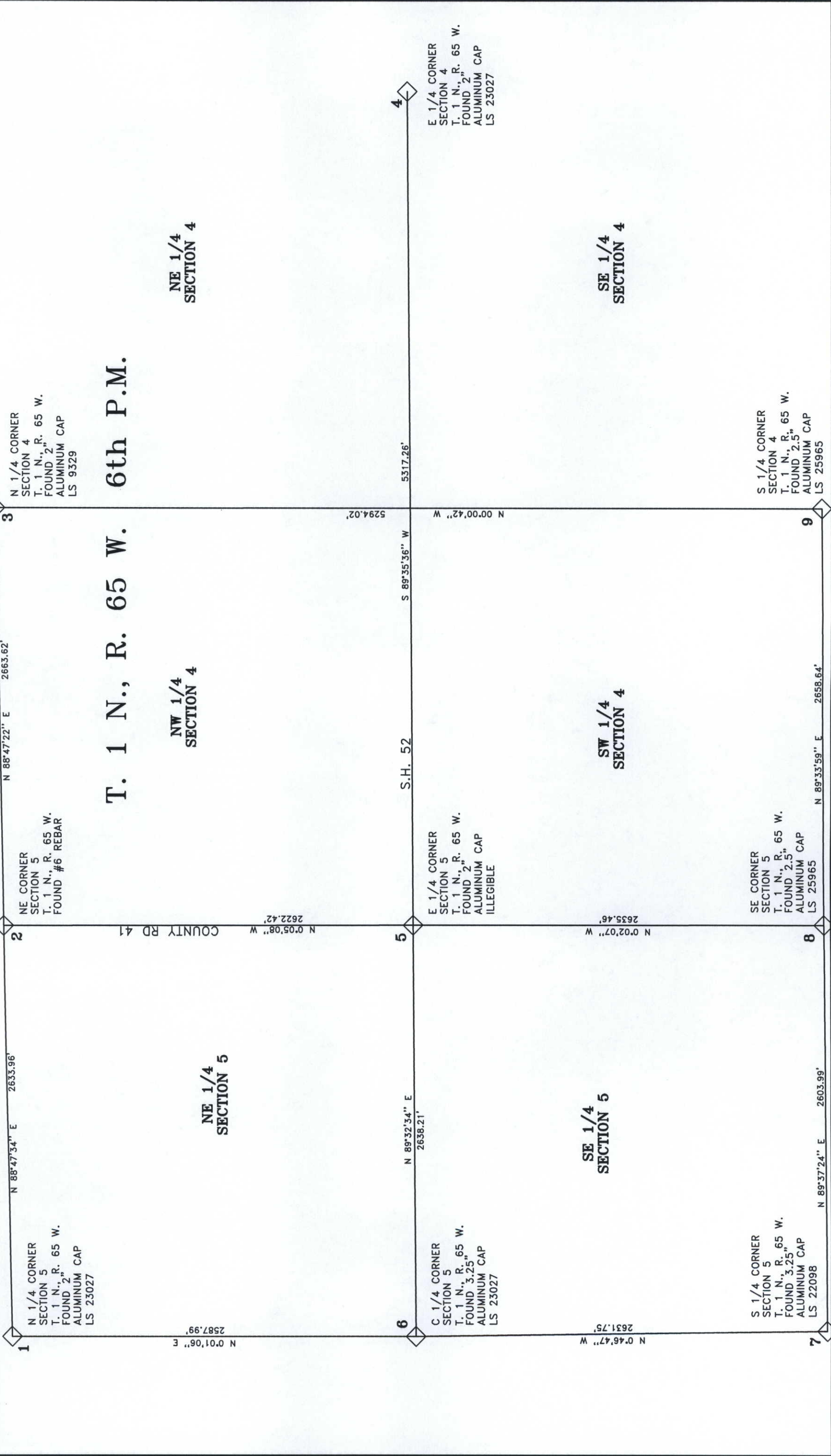
Monumentation Sheet

Project Number: SHE R400-213

Project Location: FY 07 HES Intersections

Project Location:

Project Code:	Last Mod. Date	Subset Sheets	Sheet No.	Total No. of Sheets
16103	05-24-10	2 of 2	3A	9



Colorado Department of Transportation



Region 4 ROW
1420 2nd Street
Greeley, CO 80631
Phone: (970) 350-2153 FAX: (970) 350-2178

Right of Way and Survey Unit: DGM

Sheet Revisions

Date	Description	Initials
05/10	As-Built	JTD

Sheet Revisions

Date	Description	Initials

Sheet Revisions

Date	Description	Initials

Right of Way Plans

Monumentation Sheet

Project Number: SHE R400-213
Project Location: FY 07 HES Intersections
Project Location:
Project Code: Last Mod. Date Subsect Sheets Sheet No. Total No. of Sheets
18103 05-24-10 1 of 1 4 9

TABULATION OF R.O.W. MARKERS
TO BE SET BY STATE FORCES

Point No.	Northing	Easting	Station	Offset
20	124920.581	195112.716	70+49.18	49.54' RT
23	124921.034	195172.716	70+79.18	49.55' RT
203	124916.197	194563.558	65+00	49.62' RT
204	124996.195	194562.932	65+00	30.38' LT
205	125016.194	194562.776	65+00	50.38' LT
206	125020.584	195112.611	70+49.84	50.46' LT
207	125011.036	195172.625	71+09.76	40.45' LT
208	125018.242	196187.809	81+25	39.71' LT
209	125008.242	196187.888	81+25	29.71' LT
210	124928.244	196188.513	81+25	50.29' RT

Set right-of-way monuments are CDDT type 1, PLS 34169

TABULATION OF SURVEY CONTROL POINTS
TO BE SET OR RESET

Point No.	Northing	Easting	Location
1	127537.749	192505.393	N 1/4 Corner Sec. 5-1N-65W
2	127593.240	195138.769	NE Corner Sec. 5-1N-65W
3	127649.517	197801.796	N 1/4 Corner Sec. 4-1N-65W
4	125008.565	200459.811	E 1/4 Corner Sec 4-1N-65W
5	124970.822	195142.685	E 1/4 Corner Sec 5-1N-65W
6	124949.763	192504.563	C 1/4 Corner Sec. 5-1N-65W
7	122318.254	192540.383	S 1/4 Corner Sec. 5-1N-65W
8	122335.368	195144.313	SW Corner Sec. 4-1N-65W
9	122355.495	197802.876	S 1/4 Corner Sec. 4-1N-65W
26	125001.035	195172.640	Exist. ROW NE Intersection
29	125000.583	195112.641	Exist. ROW NW Intersection
35	124966.196	194563.167	1/4 Sec. Line Beg. Of Project
36	125020.823	195142.610	Section Line New ROW
38	124978.243	196188.122	1/4 Sec. Line End Of Project
39	125010.823	195142.625	Section Line New ROW

TABULATION OF POINTS
FOR INFORMATION ONLY

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 R.O.W. 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 such defect in this survey be commenced more than ten years from the date of certification shown hereon.
4. ALL R.O.W. markers set from control monuments.
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 meets the minimum horizontal control precision tolerances of a CDDT Class A survey.
8. Commitments for title insurance supplied by Stewart Title Guaranty Company. Effective Date: Dec. 6, 2006-8:00 am.

TABULATION OF PERMANENT EASEMENT
MARKERS TO BE SET

Point No.	Northing	Easting	Location
2	127593.240	195138.769	NE Corner Sec 5-1N-65W
5	124970.822	195142.685	E 1/4 Corner Sec 5-1N-65W

TABULATION OF ALIQUOT CORNERS
TO BE RESET

Point No.	Northing	Easting
307	125021.036	195172.610 TE-1
308	125028.241	196187.731 TE-1

TABULATION OF TEMPORARY EASEMENT
POINTS TO BE STAKED

I, _____, 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 of warranty, either expressed or implied.

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE					
	1	1A	2	2A	3	3A
REFERENCE						
ROW	10					
CONTROL						
ALIQUOT CORNER					2	
PERMANENT EASEMENT						
PROJECT POINTS						
WITNESS POST (REQUIRED)						

SURVEYOR CERTIFICATE (FIELD)

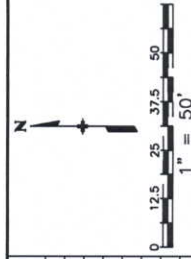
I, _____, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, adequate research, calculations and evaluation of the survey evidence were performed and this Right-of-Way monuments 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 of warranty, either expressed or implied.

Lee Groves PLS No. 34169

Date

John Obrochta PLS No. 30112

Date

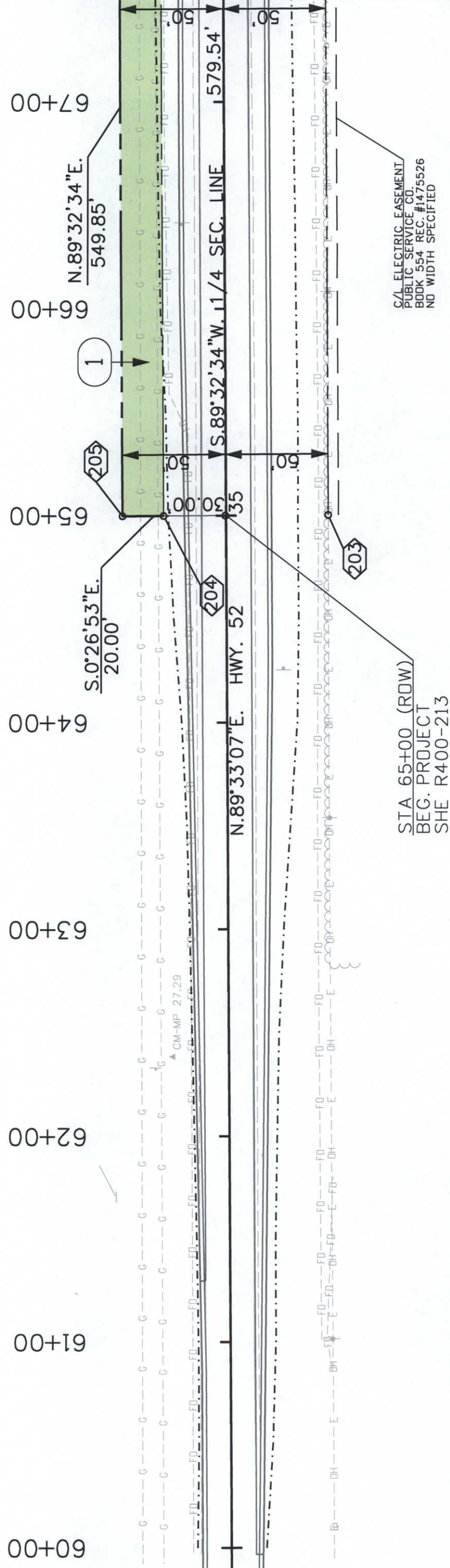


T.1 N., R.65 W., 6TH P.M.

MICHAEL R. DREILING
DORIS DREILING
19819 WCR 14
FT. LUPTON, CO 80621

1

NE 1/4 SEC 5



SE 1/4 SEC 5

SAKATA FARMS, INC.
P.O. BOX 508
BRIGHTON, CO 80601

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Right of Way Plans				
SHEET TITLE				
Project Number: SHE R400-213				
Project Location: FY 07 HES Intersections				
Project Location:				
Project Code:	Last Mod. Date	Subst. Sheets	Sheet No.	Total No. of Sheets

T.1 N., R.65 W., 6TH P.M.

NE 1/4 SEC 5

MICHAEL R. DREILING
DORIS DREILING
19819 WCR 14
FT. LUPTON, CO 80621

NW 1/4 SEC 4

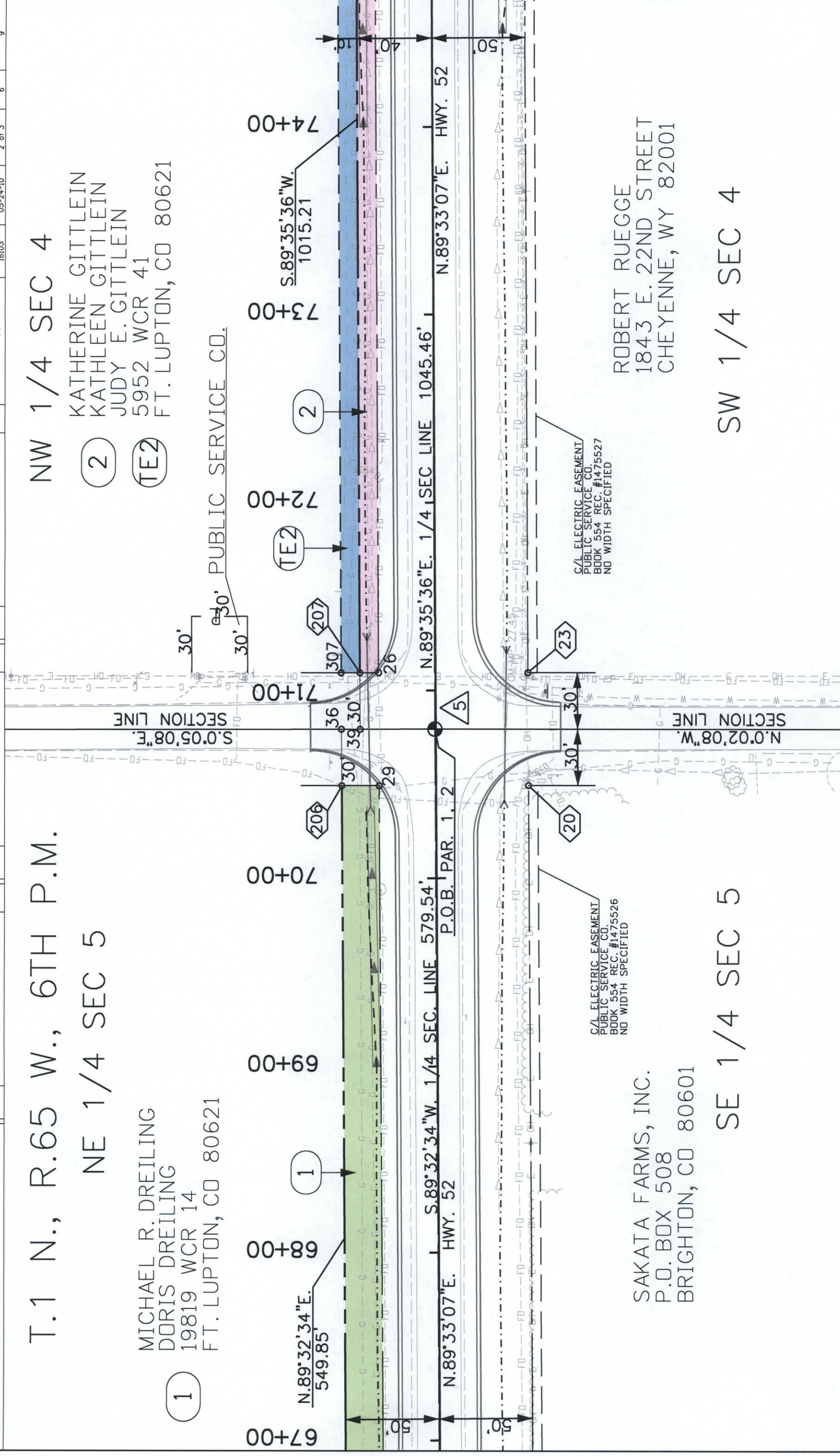
2
TE2

SAKATA FARMS, INC.
P.O. BOX 508
BRIGHTON, CO 80601

SE 1/4 SEC 5

ROBERT RUEGGE
1843 E. 22ND STREET
CHEYENNE, WY 82001

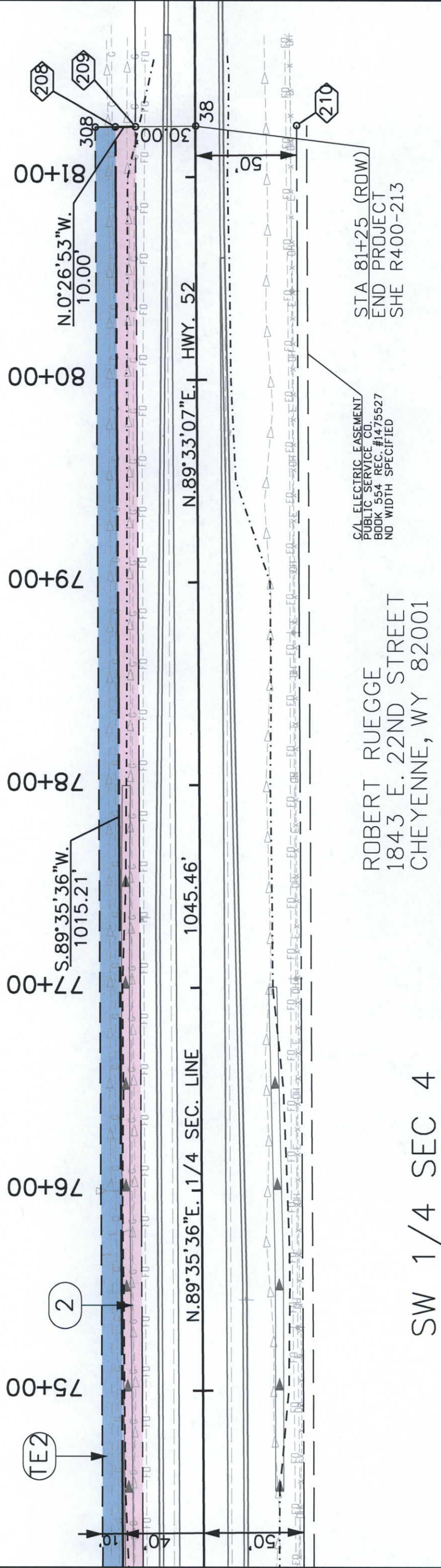
SW 1/4 SEC 4



T.1 N., R.65 W., 6TH P.M.

KATHERINE GITTLEIN
KATHLEEN GITTLEIN
JUDY E. GITTLEIN
5952 WCR 41
FT. LUPTON, CO 80621

NW 1/4 SEC 4



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