

MEMORANDUM

DEPARTMENT OF TRANSPORTATION
Region Four

1420 2nd Street
Greeley, CO 80631
(970) 350-2153 Fax (970) 350-2178



DATE: September 4, 2012

TO: Dan Smith / Project Development ROW/Survey

FROM: Bob Grube, Region 4 ROW Manager

SUBJECT: ROW Plans

Project: SHE 066A-003

Project Code: 18787

Location: SH 66 at East County Line Road

RECEIVED

SEP 06 2012

Enclosed is the following:

Right of Way

1 Sets of ROW Plans

This project is an LPA project with no State or Federal funds in the ROW. These plans were approved at the Region level. The attached plans are for your files.

CC: File

Sheet Revisions	
Date	Description

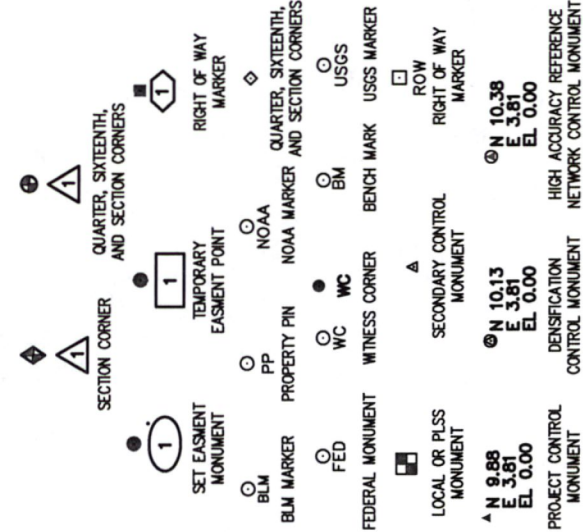
SECTIONS 24 & 25, TOWNSHIP 3
NORTH, RANGE 69 WEST, AND
SECTIONS 19 & 30 TOWNSHIP 3
NORTH, RANGE 68 WEST,
OF THE 6TH P.M.



Right Of Way Plans	
Title Sheet	
Project Number: SHE 066A-003	
Project Location: SH 66 AT COUNTY LINE ROAD	
Project Code: Longmont, Colorado	
Last Mod. Date	Sheet No.
August 29, 2012	1.01
18787	1.01

City of Longmont Public Works
and Natural Resources Department
DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

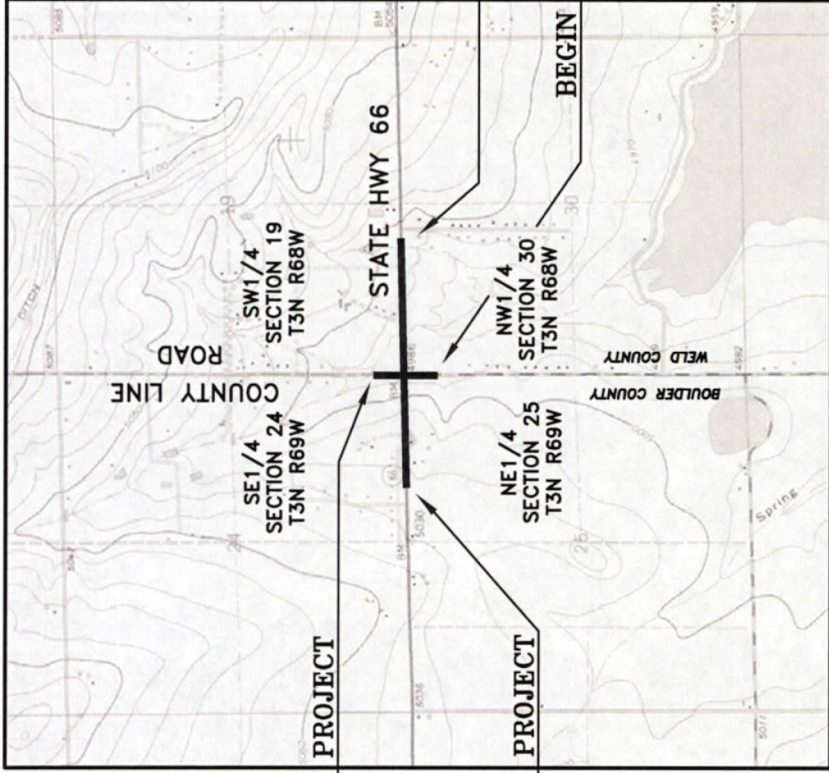
RIGHT OF WAY PLANS OF PROPOSED
FEDERAL AID PROJECT NO. SHE 066A-003
COLORADO STATE HIGHWAY 66 TRANSPORTATION
IMPROVEMENTS AT COUNTY LINE ROAD
COUNTY OF BOULDER AND COUNTY OF WELD



BEGIN TO END
PROJECT R.O.W.
SH 66 STATION
120+74.6 TO
STATION 122+83.9

BEGIN TO END
PROJECT R.O.W.
E COUNTY LINE RD
STATION 9+29.1 TO
STATION 17+12.9

R.O.W. LENGTH OF PROJECT = 0.19 MILES
CONST. LENGTH OF PROJECT = 0.61 MILES



END CONSTRUCTION PROJECT
E COUNTY LINE RD
STATION 16+72.00

BEGIN CONSTRUCTION PROJECT
SH 66 STATION
105+95.42
MILEPOST 38.62

END CONSTRUCTION PROJECT
SH 66 STATION 138+00.00
MILEPOST 39.23

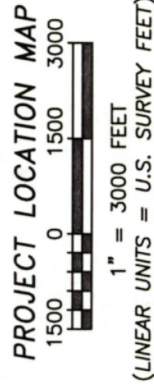
CONSTRUCTION PROJECT
E. COUNTY LINE RD
STATION 8+41.33

SURVEY/ROW

TERRAIN

TOP OF CUT / TOE OF FILL

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).



Basis of Bearings: All bearings are based on the South line of the Southwest 1/4 of Section 19, T3N, R68W of the 6th P.M., monumented as described herein and being a grid bearing of N 89°32'12" E (2587.85'). The grid bearing was obtained from a global positioning system (GPS) survey based on NSRS 2007. The grid bearing is NAD 83(2007) - Colorado State Plane North Zone (501).

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, Boulder Land Consultants, Inc. relied on Title Commitments prepared Fidelity National Title Insurance Company.
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 the 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 statement shown.

SHEET NO. INDEX OF SHEETS

1.01	(1) Title Sheet
2.01	(1) Tabulation of Properties
N/A	(NA) Project Control Diagram
4.01 - 4.04	(4) Land Survey Control Diagram
5.01	(1) Monumentation Sheets
N/A	(NA) Tabulation of Road Approach Sheets
7.01 - 7.02	(2) Plan Sheets
8.01	(1) Ownership Map
(10)	Total Sheets

SCALES OF ORIGINAL 11x17 DRAWINGS
PLAN SHEETS : 1"=50'
OWNERSHIP MAP : 1"=100'
SURVEY CONTROL DIAGRAM : 1"=600'

COLORADO DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY PROJECT
ROW PLANS AUTHORIZED: 8-30-12
DATE
Bob L. Gaudre
CDOT RIGHT OF WAY MANAGER

SURVEYOR STATEMENT (ROW PLAN)
I, JASON EMERY, A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF COLORADO, DO HEREBY STATE TO THE COLORADO DEPARTMENT OF TRANSPORTATION THAT BASED ON 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.



COLORADO DEPARTMENT OF TRANSPORTATION

Region 4
Address: 1420 2nd Street
Greeley, CO 80631
Phone: (970) 350-2173 FAX: (970) 350-2223

Survey Unit: Mark Guerrero, PLS

Sheet Revisions

Date	Description	Initials

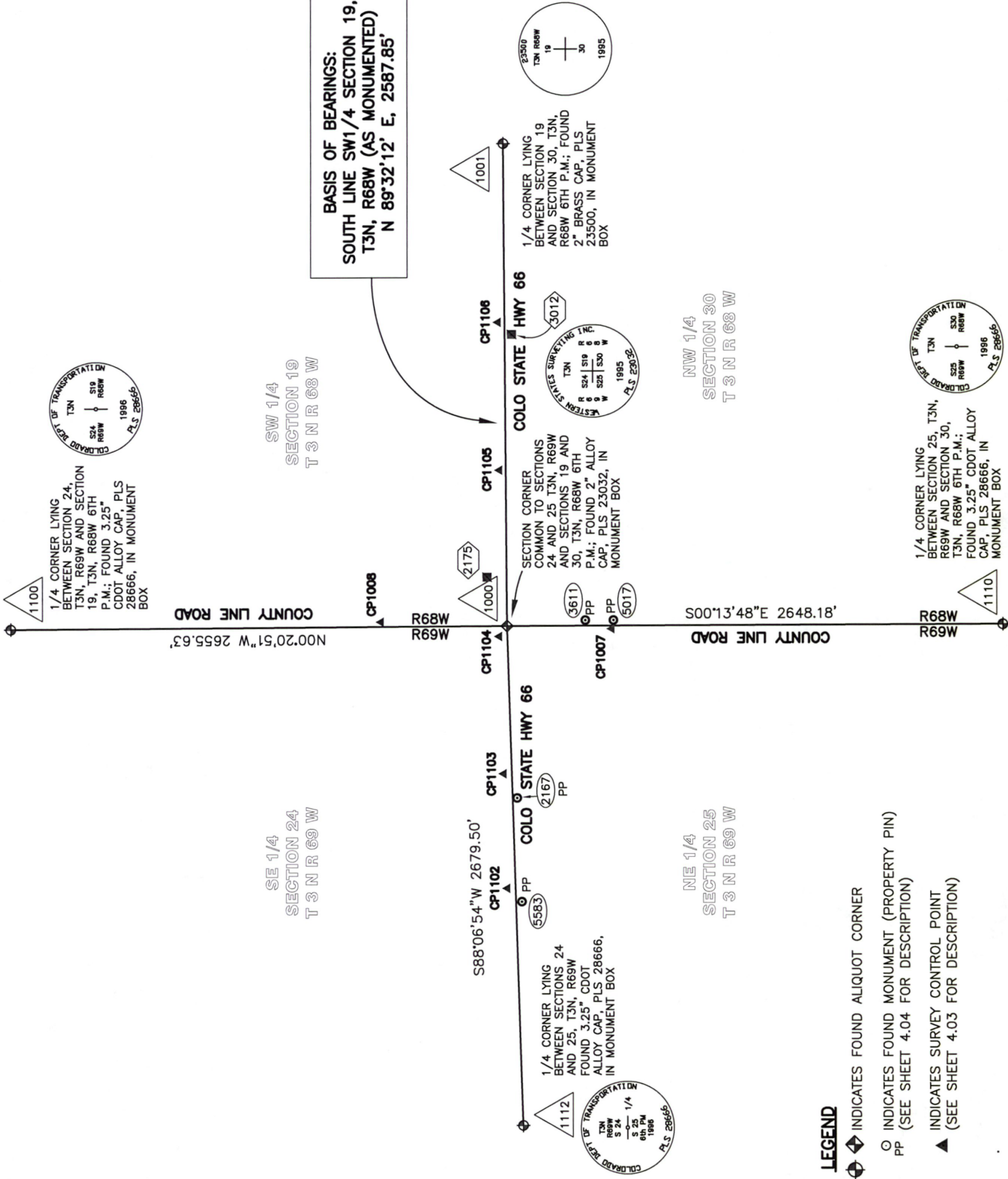
SECTIONS 24 & 25, TOWNSHIP 3
NORTH, RANGE 69 WEST, AND
SECTIONS 19 & 30 TOWNSHIP 3
NORTH, RANGE 68 WEST,
OF THE 6TH P.M.



Land Survey Control Diagram

Plan Sheet

Project Number: SHE 066A-003
Project Location: SH 66 AT COUNTY LINE ROAD
Project Code: 18787
Last Mod. Date: May 23, 2012
Subst: 4.01-4.04
Sheet No.: 4.02



LEGEND

- INDICATES FOUND ALIQUOT CORNER
- INDICATES FOUND MONUMENT (PROPERTY PIN)
PP (SEE SHEET 4.04 FOR DESCRIPTION)
- INDICATES SURVEY CONTROL POINT
▲ (SEE SHEET 4.03 FOR DESCRIPTION)

BASIS OF BEARINGS: All bearings are based on the South line of the Southwest 1/4 of Section 19, T3N, R68W of the 6th P.M., monumented as described herein and being a grid bearing of N 89°32'12" E (2587.85'). The grid bearing was obtained from a global positioning system (GPS) survey based on NSRS 2007. The grid bearing is NAD 83(2007) - Colorado State Plane North Zone (501).

BASIS OF ELEVATIONS: Project elevations are based on NGS Bench Mark "L 329" (PID: LL0613), a National Coast & Geodetic Survey Brass Cap set on top of a 12" concrete monument. Said Brass Cap has an NAVD88 elevation of 4982.16ft. Said "L 329" is National Geodetic Survey Code A Posted Bench Mark.

COORDINATE DATUM: Coordinates on this project are for the exclusive use of the City of Longmont and the Colorado Department of Transportation for the construction of this project and are considered Project Coordinates only.

NOTE: This map does not represent a boundary survey or title search performed by Boulder Land Consultants, Inc. There may exist easements and/or other encumbrances affecting the subject properties that are not shown hereon.

NOTE: In accordance with C.R.S. 13-80-105:
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 statement shown.

Region 4

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Greeley, CO 80631

Phone: (970) 350-2173

FAX: (970) 350-2223

Survey Unit: Mark Guerrero, PLS

SECTION 24 & 25, TOWNSHIP 3 NORTH, RANGE 69 WEST, AND SECTION 19 & 30 TOWNSHIP 3 NORTH, RANGE 68 WEST, OF THE 6TH P.M.

Land Survey Control Diagram

Coordinate Summary of Project Control

Project Number: SHE 066A-003

Project Location: SH 66 AT COUNTY LINE ROAD

Project Code: 18787

Last Mod. Date: May 23, 2012

Subset: 4.01-4.04

Sheet No.: 4.04

THIS MAP WAS PREPARED BY BOULDER LAND CONSULTANTS, INC.

3660 VALMONT RD. BOULDER, CO 80501

724.44.44

www.blcsurvey.com

CITY OF LONGMONT

COLORADO

PUBLIC WORKS AND NATURAL RESOURCES DEPT.

PROJECT COORDINATE SUMMARY TABLE (ADJUSTED FIELD DATA U.S. FEET)

POINT NUMBER	PROJECT COORDINATES		ELEV. NAVD88	DESCRIPTION
	NORTHING	EASTING		
1000	317715.68	125119.34	4996.35	FOUND 2" ALLOY CAP, PLS 23032 IN MON BOX, NW COR SEC 30
1001	317736.60	127707.10	-----	FOUND 2" BRASS CAP, "23500" IN MON BOX, N1/4 COR SEC 30
1100	320371.26	125103.22	-----	FOUND 3.25" CDOT ALLOY CAP, PLS 28666, IN MON BOX, 1/4 COR S24/S19
1102	317712.71	123711.37	5024.14	SET 3/8" REBAR WITH ORANGE PLASTIC CAP "SURVEY PT LS 20134"
1103	317732.64	124326.49	5016.33	SET 3/8" REBAR WITH ORANGE PLASTIC CAP "SURVEY PT LS 20134"
1104	317757.13	125063.04	4996.60	SET 3/8" REBAR WITH ORANGE PLASTIC CAP "SURVEY PT LS 20134"
1105	317756.46	125954.54	4994.35	SET 3/8" REBAR WITH ORANGE PLASTIC CAP "SURVEY PT LS 20134"
1106	317763.55	126748.61	4997.54	SET 3/8" REBAR WITH ORANGE PLASTIC CAP "SURVEY PT LS 20134"
1110	315067.51	125129.97	-----	FOUND 3.25" CDOT ALLOY CAP, PLS 28666, IN MON BOX, 1/4 COR S25/S30
1112	317627.55	122441.28	-----	FOUND 3.25" CDOT ALLOY CAP, PLS 28666, IN MON BOX, 1/4 COR S24/S25

PROJECT MONUMENT

CONTROL

PP

1

FOUND PROPERTY EVIDENCE TABLE (PROJECT COORDINATES - U.S. FEET)

POINT NUMBER	PROJECT COORDINATES		DESCRIPTION
	NORTHING	EASTING	
2167	317661.84	124196.84	FOUND YELLOW PLASTIC CAP, PLS 20673 ON 5/8" REBAR
2175	317822.69	125381.39	FOUND ROW MARKER - 3.25" CO STATE HWY DEPT BRASS CAP IN TOP OF 6" CONC MONUMENT
3012	317691.64	126683.30	FOUND ROW MARKER - 3.25" CO STATE HWY DEPT BRASS CAP IN TOP OF 6" CONC MONUMENT
3611	317297.97	125151.00	FOUND 1.5" ALLOY CAP, PE/LS 2284, ON 5/8" REBAR
5017	317147.77	125151.45	FOUND 1.5" ALLOY CAP, PE/LS 2284, ON 5/8" REBAR
5583	317635.83	123640.36	FOUND YELLOW PLASTIC CAP, LS6716

DATUM STATEMENT

Geodetic coordinates are based on NAD 83(2007)
Orthometric Heights are shown in NAVD88
State Plane coordinates are Colorado North Zone (501)
Units are in US Survey Feet (sft)
Project (Ground) coordinates are Modified State Plane
Combined Project factor = 0.999721480
Combined Project Factor Reciprocal = 1.0002785975
Truncation applied to State Plane Coordinates:
Northing Reduction 1,000,000 sft
Easting Reduction 3,000,000 sft
Project Latitude 36° 07' 05.969460" N
Project Longitude 115° 39' 12.951783" W
Project Height 4909.581 sft
Conversion Example of State Plane Coordinates to Project Coordinates:
State Plane Northing x 1.0002785975 - 1,000,000 = Project Northing
State Plane Easting x 1.0002785975 - 3,000,000 = Project Easting

COLORADO DEPARTMENT OF TRANSPORTATION

Region 4
Address: 1420 2nd Street
Greeley, CO 80631
Phone: (970) 350-2173 FAX: (970) 350-2223

Right of Way Plans Unit: Peter Sulmeisters, PLS

Sheet Revisions	
Date	Description

SECTIONS 24 & 25,
TOWNSHIP 3 NORTH, RANGE 69 WEST,
SECTIONS 19 & 30,
TOWNSHIP 3 NORTH, RANGE 68 WEST,
OF THE 6TH P.M.



Right of Way Plans
Monumentation Sheet
Project Number: SHE 066A-003
Project Location: SH 66 AT COUNTY LINE ROAD
Project Code: Longmont, Colorado
18787
Last Mod. Date: August 29, 2012
Sheet No.: 5.01

TABULATION OF R.O.W. MONUMENTS TO BE SET

POINT NO.	NORTHING(ft)	EASTING(ft)	DESCRIPTION	STATION	OFFSET
900	317850.22	125167.77	CDOT TYPE 1 MONUMENT	13+28.42	47.31 RT
901	318178.88	125165.41	CDOT TYPE 1 MONUMENT	16+56.42	51.60 RT
902	317852.95	125146.53	CDOT TYPE 1 MONUMENT	16+56.68	32.72 RT
905	317852.95	125073.53	CDOT TYPE 1 MONUMENT	13+31.84	46.90 LT
906	317978.89	125087.74	CDOT TYPE 1 MONUMENT	14+58.10	30.26 LT
914	317637.33	125070.06	CDOT TYPE 1 MONUMENT	11+16.25	51.93 LT
916	317251.79	125091.20	CDOT TYPE 1 MONUMENT	07+30.49	29.07 LT
917	317458.91	125076.62	CDOT TYPE 1 MONUMENT	09+36.25	45.35 LT
924	317449.87	125150.40	CDOT TYPE 1 MONUMENT	09+29.15	28.65 RT
925	317498.76	125154.62	CDOT TYPE 1 MONUMENT	09+77.08	31.63 RT
926	317617.99	125185.91	CDOT TYPE 1 MONUMENT	10+96.08	63.78 RT
927	317669.21	125220.71	CDOT TYPE 1 MONUMENT	11+47.05	98.94 RT

TABULATION OF PERMANENT EASEMENT POINTS TO BE STAKED

POINT NO.	NORTHING(ft)	EASTING(ft)	DESCRIPTION	STATION	OFFSET
907	317817.53	125038.81	PERMANENT EASEMENT PT PE-2	12+96.66	81.88 LT
908	317817.11	125010.41	PERMANENT EASEMENT PT PE-2	12+96.45	110.28 LT
909	317861.78	125054.19	PERMANENT EASEMENT PT PE-2	13+40.80	66.18 LT
910	317872.85	125056.63	PERMANENT EASEMENT PT PE-2	13+52.74	63.59 LT
911	317958.56	125064.75	PERMANENT EASEMENT PT PE-2	14+38.26	53.67 LT
912	318234.01	125062.14	PERMANENT EASEMENT PT PE-2	17+13.00	51.05 LT
913	318234.18	125086.19	PERMANENT EASEMENT PT PE-2	17+13.00	27.01 LT
918	317648.82	125058.38	TEMPORARY EASEMENT PT TE-1	11+27.83	63.53 LT
919	317472.11	125059.65	TEMPORARY EASEMENT PT TE-1	09+49.00	62.65 LT
920	317361.78	125067.42	TEMPORARY EASEMENT PT TE-1	08+40.65	52.06 LT
921	317321.11	125086.32	TEMPORARY EASEMENT PT TE-1	07+99.84	33.45 LT
922	317449.48	125165.40	TEMPORARY EASEMENT PT TE-3	09+29.15	43.65 RT
923	317549.80	125168.02	TEMPORARY EASEMENT PT TE-3	10+28.02	45.39 RT

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE					
	1	1A	2	2A	3	3A
REFERENCE						
ROW	12					
CONTROL						
ALIQUOT CORNER						
PERMANENT EASEMENT						
PROJECT POINTS						
WITNESS POST (REQUIRED)						

GENERAL NOTES:

- All centerline and offset stationing may not represent the centerline as constructed in the field.
- Refer to the M-629-1 Survey Monuments of Standard Plans dated July 2006 found in The Colorado Department of Transportation M & S Standards for survey monument descriptions.
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x

TABULATION OF FOR-INFORMATION-ONLY POINTS

POINT NO.	NORTHING(ft)	EASTING(ft)	DESCRIPTION	STATION	OFFSET
903	317869.19	125148.40	ROW ACQUISITION POINT, RW-4	13+47.15	28.09 RT
904	317868.13	125088.41	ROW ACQUISITION POINT, RW-2	13+47.35	31.92 LT
915	317617.98	125089.73	ROW ACQUISITION POINT, RW-1	10+96.76	32.40 LT
928	317619.34	125149.72	ROW ACQUISITION POINT, RW-3	10+97.69	27.60 RT
929	317669.09	125198.53	ROW ACQUISITION POINT, RW-3	11+47.08	76.76 RT

DATUM STATEMENT

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Combined Project Factor Reciprocal = 1.0002785975
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Northing Reduction 1,000,000 sft
Easting Reduction 3,000,000 sft
Project Latitude 36° 07' 05.969480" N
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Project Height 4909.581 sft

Conversion Example of State Plane Coordinates to Project Coordinates:

State Plane Northing x 1.0002785975 - 1,000,000 = Project Northing
State Plane Easting x 1.0002785975 - 3,000,000 = Project Easting

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SURVEYOR STATEMENT (ROW - FIELD)

I, _____, A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF COLORADO, DO HEREBY STATE TO THE COLORADO DEPARTMENT OF TRANSPORTATION THAT BASED ON MY KNOWLEDGE, INFORMATION AND BELIEF, ADEQUATE RESEARCH, CALCULATIONS AND EVALUATION OF THE 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. _____

SURVEYOR STATEMENT (ROW - OFFICE)

I, JASON EMERY, A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF COLORADO, DO HEREBY STATE TO THE COLORADO DEPARTMENT OF TRANSPORTATION THAT BASED ON MY KNOWLEDGE, INFORMATION AND BELIEF, ADEQUATE RESEARCH, CALCULATIONS AND EVALUATION OF THE SURVEY EVIDENCE WERE PERFORMED 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. 20134



Region 4

Address: 1420 2nd Street
Greeley, CO 80631
Phone: (970) 350-2173
FAX: (970) 350-2223

Right of Way Plans Unit: Peter Sulmeisters, PLS

Right of Way Plans Unit: Peter Sulmeisters, PLS

Sheet Revisions		Sheet Revisions	
Date	Description	Date	Description

Right of Way Plans

Plan Sheet

Project Number: SHE 066A-003

Project Location: SH 66 AT COUNTY LINE ROAD

Project Code: 18787

Last Mod. Date: August 29, 2012

Sub: 7.01-7.02

Sheet No.: 7.01

THE MAP WAS PREPARED BY

BOULDER LAND CONSULTANTS, INC.

5880 VALMONT RD., BOULDER, CO 80501

(303) 443-3818

www.bouldersurvey.com

CITY OF LONGMONT

PUBLIC WORKS AND NATURAL RESOURCES DEPT.

POINT OF BEGINNING TABLE		
Parcel	Points	Bearing/Distance
RW-1, TE-1	1000 to 914	S 32°09'54" W 92.56'
RW-3, TE-3	1000 to 924	S 06°40'00" E 267.61'

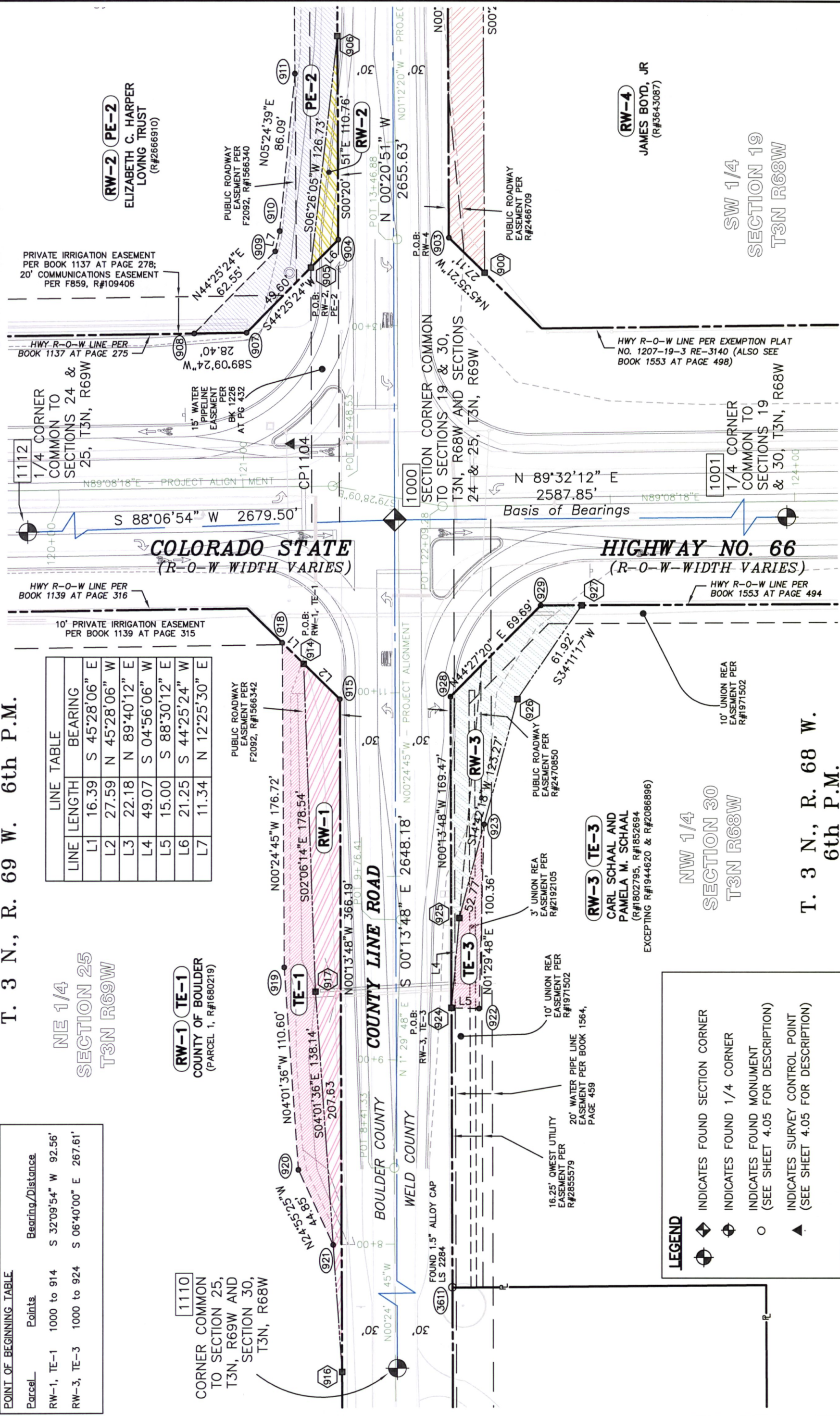
T. 3 N., R. 69 W. 6th P.M.

NE 1/4
SECTION 25
T3N R69W

LINE TABLE	
LINE	BEARING
L1	S 45°28'06" E
L2	N 45°28'06" W
L3	N 89°40'12" E
L4	S 04°56'06" W
L5	S 88°30'12" E
L6	S 44°25'24" W
L7	N 12°25'30" E

RW-1 TE-1
COUNTY OF BOULDER
(PARCEL 1, R#1680219)

RW-2 PE-2
ELIZABETH C. HARPER
LOVING TRUST
(R#2666910)



LEGEND

INDICATES FOUND SECTION CORNER

INDICATES FOUND 1/4 CORNER

INDICATES FOUND MONUMENT
(SEE SHEET 4.05 FOR DESCRIPTION)

INDICATES SURVEY CONTROL POINT
(SEE SHEET 4.05 FOR DESCRIPTION)

NW 1/4
SECTION 30
T3N R68W

RW-3 TE-3
CARL SCHAAL AND
PAMELA M. SCHAAL
(R#1802795, R#1852694
EXCEPTING R#1944620 & R#2086896)

T. 3 N., R. 68 W.
6th P.M.

SW 1/4
SECTION 19
T3N R68W

RW-4
JAMES BOYD, JR
(R#3643087)

Date	Description

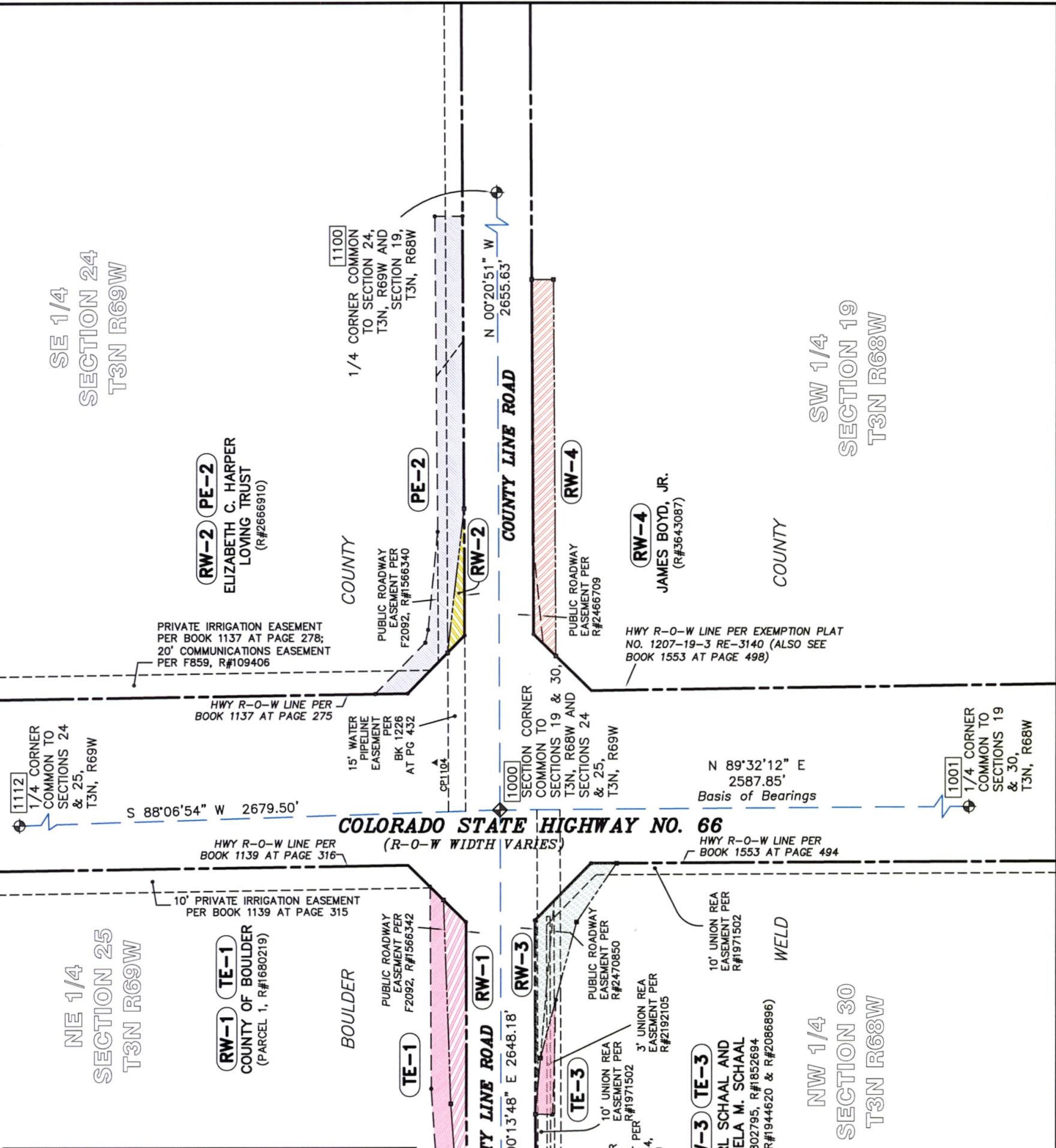
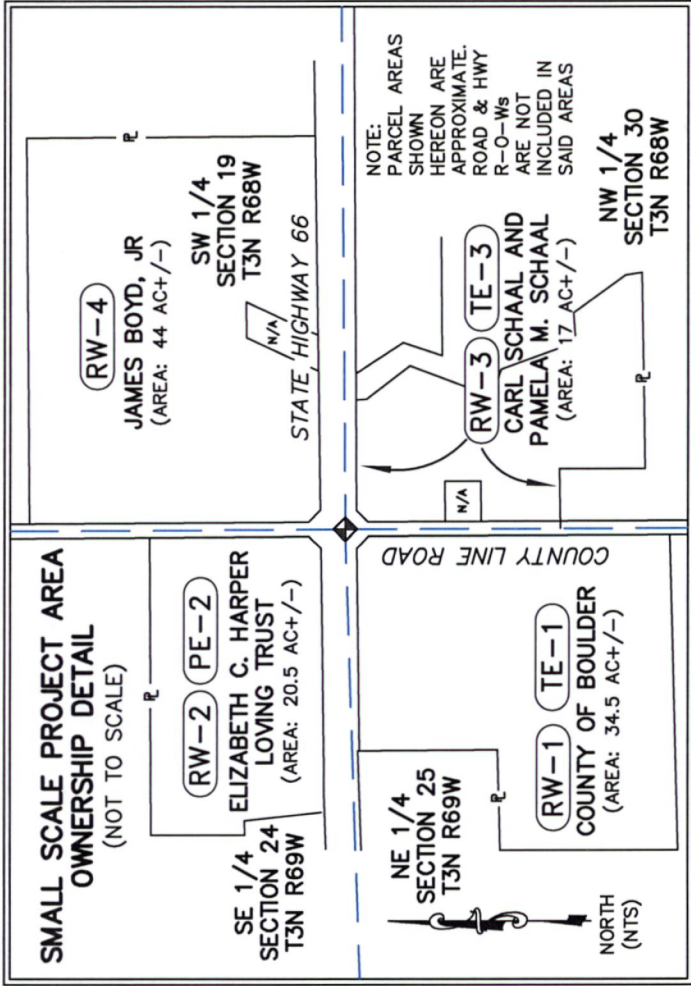
Date	Description

Initials

Ownership Sheet
Project Number: SHE 066A-003
Project Location: SH 66 AT COUNTY LINE ROAD
Project Code: 18787
Last Mod. Date: August 29, 2012
Sheet No.: 8.01

THIS MAP WAS PREPARED BY
BOULDER LAND CONSULTANTS, INC.
3880 VALMONT RD., BOULDER, CO 80501
(303) 443-3818
www.boulderland.com

CITY OF LONGMONT
PUBLIC WORKS AND NATURAL RESOURCES DEPT.



OWNERS

RW-1	BOULDER COUNTY OS/MP PO BOX 471 BOULDER, CO 80306
TE-1	
RW-2	ELIZ HARPER LOVING TRUST 12621 UTE HIGHWAY LONGMONT, CO 80504
PE-2	
RW-3	CARL & PAMELA SCHAAL 13900 COUNTY ROAD 1 LONGMONT, CO 80504
TE-3	
RW-4	JAMES BOYD, JR. 151 STATE HWY 66 LONGMONT, CO 80504