



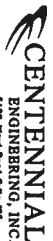
1420 2nd Street
Greeley, CO 80631
Phone: 970-350-2153 FAX: 970-350-2178

Region 4

DGM

CONVENTIONAL SIGNS

Sheet Revisions		
Date	Description	Initials
11/19/09	Rev. Sheets 2.01, 4.01, 5.01, 5.02, 5.05, 5.06, 6.01 & 6.03	J.E.

[illegible][illegible]

Right of Way Plans			
Title Sheet			
Project Number: STE 1191-024			
Project Location: Boulder to Longmont Multi-Use Trail			
Project Location: Boulder County			
Project Code	Last Mod. Date	Subset Sheets	Sheet No.
15894	11-19-09	1 of 1	1.01

SHEET NO. INDEX OF SHEETS

1.01	(1) Title Sheet
2.01	(1) Tabulation of Properties
3.01 - 3.04	(4) Control Diagram
4.01	(1) Monumentation Sheets
5.01 - 5.06	(6) ROW Plan Sheets
6.01 - 6.03	(3) Ownership Sheets
M-100-1	(3) Standard Symbols
M-629-1	(2) Survey Monuments
	(21) Total Sheets

**DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO**

RIGHT OF WAY PLANS OF PROPOSED

FEDERAL AID PROJECT NO. STE 1191-024

BOULDER TO LONGMONT MULTI-USE TRAIL

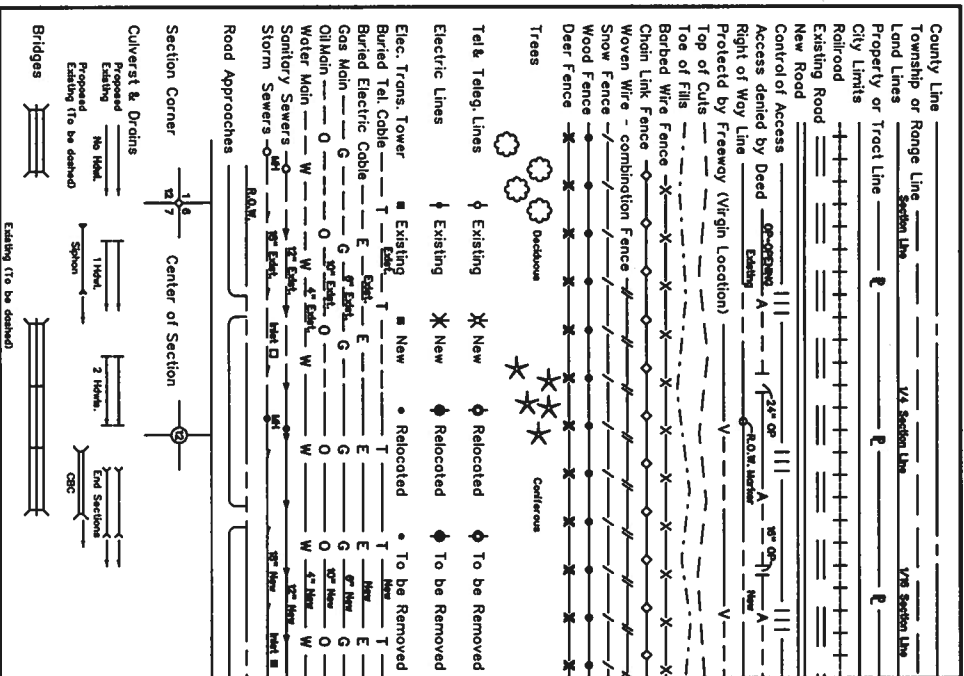
SEC 16, 17, 19, 20 & 30 T2N, R69W, 6TH PM.

BOULDER COUNTY

CONSTRUCTION PROJECT CODE NO. 15894

LENGTH OF ROW PROJECT 17,376.25 FT

ORIGINAL SCALE OF PLAN SHEET 1"=200'

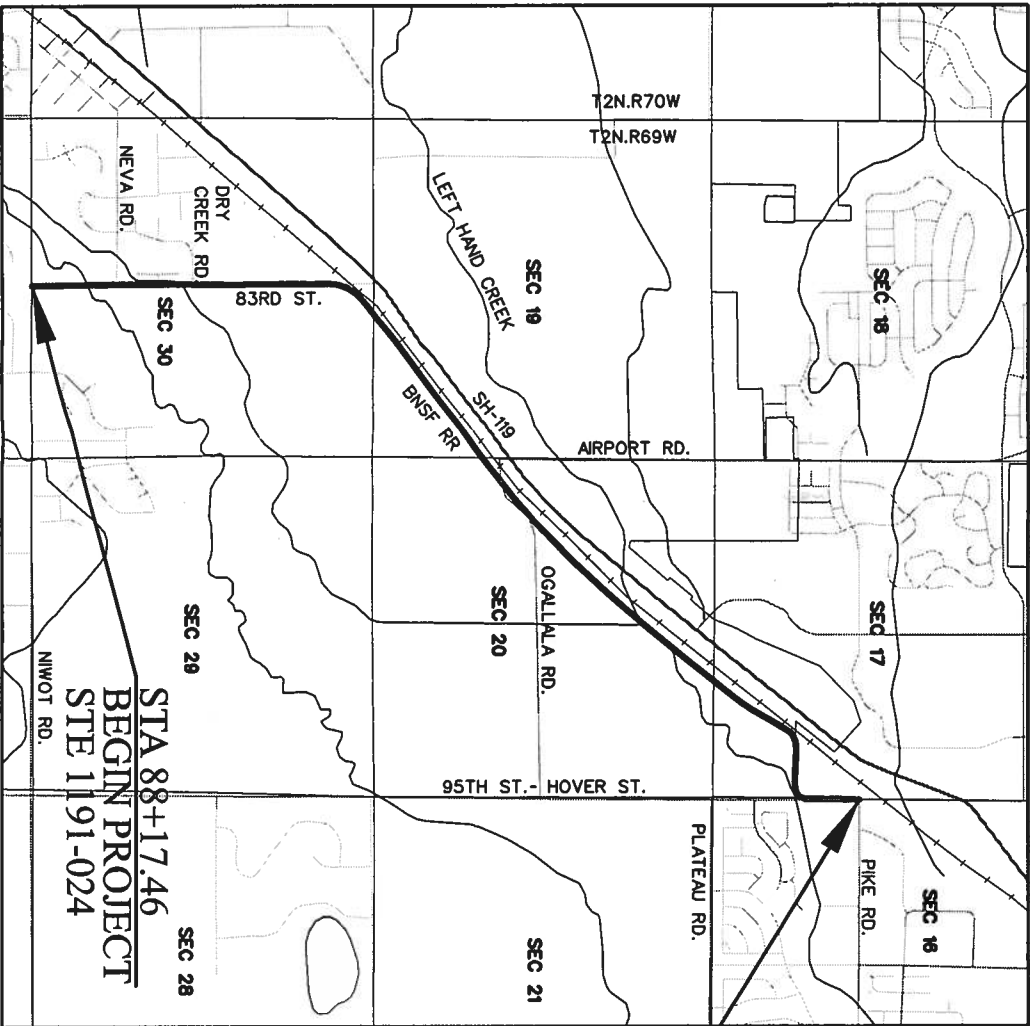


C.P. 104
Set $\frac{5}{8}$ x 30 Rebar
with $\frac{1}{4}$ " Yellow Plastic
Cap stamped PLS 22103

S.H. 119 (Diagonal Hwy.)
Bearings: N53° 51'43"E 315'

Basis of Bearings

All bearings are based on the line connecting the CP103 and CP104 being a grid bearing of N53° 51'43"E (335.3°) as obtained from a global positioning system (GPS) survey by the Colorado High Accuracy Reference Network (CHARN). Said grid bearing is NAD 83 (1992) Colorado State Plane (North Zone). Said line being monumented as shown hereon.



**DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
AUTHORIZED:**

DIVISION ADMINISTRATOR

[illegible]

SECTIONS 19, 20, 29 & 30
T. 2 N., R. 69 W.,
OF THE 6TH P.M.



Right of Way Plans

Project Number: STE 1191-024		
Project Location: Boulder to Longmont Multi-Use Trail		
Project Location: Boulder County		
Project Code	Last Mod Date	Sheet No.
15894	12-08-08	1 of 4
		3.01

GENERAL NOTES

N 1/4 CORNER
 SECTION 20
 T.2N., R.69W., 6TH P.M.
 FD. 6" x 6" SANDSTONE
 FIRMLY IN THE GROUND

SEE DETAIL A
 S 1/16
 EAST LINE
 SECTION 17
 [310]

E 1/4 CORNER
 SECTION 17
 CP108
 [300]

FD. 3 1/4" CDOT
 ALUMINUM CAP IN
 RANGE BOX IS A
 CALC'D
 POSITION

BASIS OF BEARINGS All bearings are based on the line connecting the CP103 and CP104 being a grid bearing of N53°51'43"E (3153.11') as obtained from a global positioning system (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN). Said grid bearing is NAD 83 (1992) Colorado State Plane (North Zone). Said line being monumented as shown hereon.

BASIS OF ELEVATIONS: Vertical control for this project was established by differential leveling from primary bench marks G454, J454 and K454 to project control points. The elevations of these primary bench marks were provided by Colorado Department of Transportation, Region 6. These bench marks are in the process of being incorporated into the NGS database for publishing.

COORDINATE DATUM: Coordinates on this project are for the exclusive use of the County of Boulder 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 Centennial Engineering, 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 certification shown hereon.

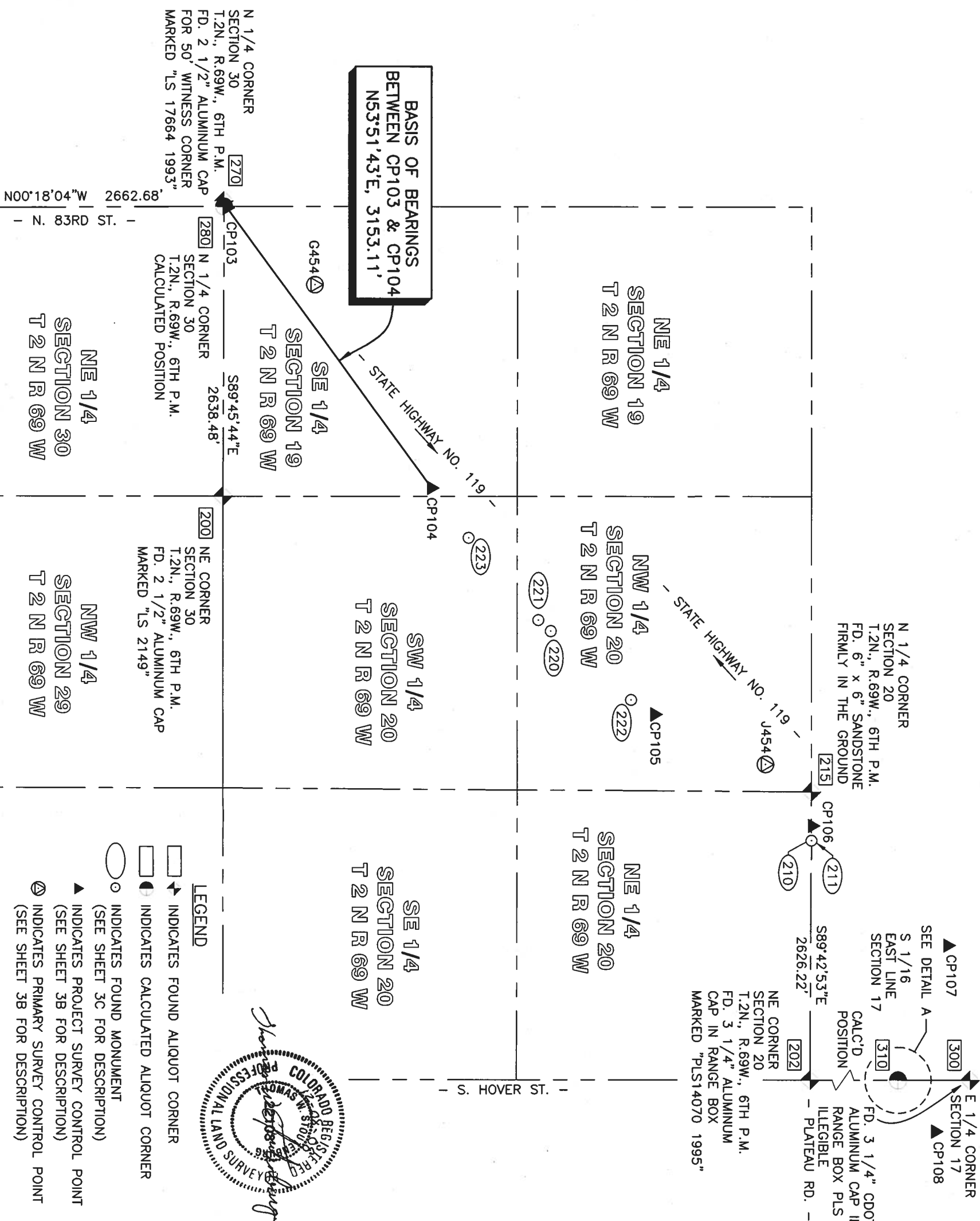
This survey does not constitute a Title Search by Centennial Engineering, Inc. to determine Ownership or Easements of Record. For all information regarding Easements, Rights of Way and Title of Record, Centennial Engineering, Inc. relied upon Title Commitments supplied by First Colorado Title Company LLC, 22760 29th St., Boulder, CO 80301-1202.

The Lund Partnership forces performed the GPS fieldwork and post processing for this control in June 2007.

All coordinates listed are project coordinates only.

Field survey control precision meets or exceeds a CDOT Class "B" Survey.

SURVEYOR'S CERTIFICATION: I, Thomas W. Stoutenburg, a professional land surveyor licensed in the State of Colorado, do hereby state to the County of Boulder and the Colorado Department of Transportation this Land Survey 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.



Colorado Department of Transportation			Sheet Revisions			Sheet Revisions			Sheet Revisions			Right of Way Plans		
 1420 2nd Street Greeley, CO 80631 Phone: 970-350-2153 FAX: 970-350-2223			Date	Description	Initials	Date	Description	Initials	Date	Description	Initials	CENTENNIAL ENGINEERING, INC. 3420 West Road 34th St Greeley, CO 80633 (970) 353-3200		
Region 4														
MDG												Project Number: STE 1191-024		
												Project Location: Boulder County		
												Project Location: Boulder County		
												Project Code/Last Mod Date		
												15894 12-08-08		
												Subset Sheets 3 of 4		
												Sheet No. 303		

PROJECT COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA)

Points output in US Survey Feet:

POINT NAME	PROJECT COORDINATES		NAVD88 ELEV.	DESCRIPTION
	NORTHING	EASTING		
CP101	281806.19	96140.92	5068.21	SET 5/8" x 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP STAMPED "PLS 22103", EAST SIDE OF 63RD ST.
CP102	282975.12	96131.21	5068.98	SET 5/8" x 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP STAMPED "PLS 22103", EAST SIDE OF 63RD ST.
CP103	285732.18	96112.79	5060.88	SET 5/8" x 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP STAMPED "PLS 22103", EASE SIDE OF 63RD ST. NORTH OF RR TRACKS.
CP104	287591.68	98659.23	5046.79	SET 5/8" x 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP STAMPED "PLS 22103", SOUTHEAST OF RR CL, INSIDE RR ROW, SOUTH OF OGALELA RD.
CP105	289626.07	100720.80	5018.15	SET 5/8" x 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP STAMPED "PLS 22103", SOUTHEAST OF RR CL, INSIDE RR ROW, NORTH OF LEFT HAND CREEK.
CP106	291059.76	101730.04	5013.11	SET 5/8" x 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP STAMPED "PLS 22103", SOUTHEAST OF SH-119 ROW, NORTH OF PRIVATE DRIVE.
CP107	292291.70	102816.47	5001.49	SET 5/8" x 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP STAMPED "PLS 22103", SOUTHEAST OF RR CL, INSIDE RR ROW.
CP108	292375.48	104115.47	4992.56	SET 5/8" x 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP STAMPED "PLS 22103", EAST OF 95TH AVE., WEST OF BIKE PATH, NORTH OF PEDESTRIAN BRIDGE.
TESSAR	275256.01	98660.75	-----	NGS FIRST ORDER HORIZONTAL CONTROL MARK - PID A13563: FOUND STEEL ROD IN NGS ACCESS COVER
HAPPY JACK	284595.00	117258.32	-----	NGS FIRST ORDER HORIZONTAL CONTROL MARK - PID LL1418: FOUND 3 1/2" BRASS CAP SET FLUSH IN 12" DIA. CONCRETE
G454	286530.06	96811.25	5050.59	FOUND STEEL ROD IN NGS ACCESS COVER LOCATED IN GRASSY MEDIAN OF STATE HIGHWAY NO. 119
J454	290634.06	101169.80	5014.59	FOUND STEEL ROD IN NGS ACCESS COVER LOCATED IN GRASSY MEDIAN OF STATE HIGHWAY NO. 119
K454	292938.43	102865.86	5016.32	FOUND STEEL ROD IN NGS ACCESS COVER LOCATED IN GRASSY MEDIAN OF STATE HIGHWAY NO. 119
P041	224935.36	86579.68	-----	MARSHALL FIELD CORP ARP - PID DG7429
TMGO	291013.94	75599.08	-----	TABLE MOUNTAIN CORP ARP - PID AF9516
ZDV1	311659.99	105016.88	-----	DENVER WAAS 1 CORP ARP - PID DF9219

GEODETIC COORDINATE SUMMARY TABLE
(ADJUSTED FIELD DATA)

Points output in US Survey Feet:

POINT NAME	GEODETIC COORDINATES ARE NAD-83(92) - CHARN		ELLIP. HEIGHT	NAVD88 ELEV.	MAPPING ANGLE	SCALE	NAD-83(92) ZONE 501	
	LATITUDE	LONGITUDE					NORTHING	EASTING
CP101	40° 06' 19.67944" N	105° 09' 33.77579" W	5013.68	5068.21	0° 13' 12.3"	0.99996004	1281448.73	3095277.50
CP102	40° 06' 31.22848" N	105° 09' 33.84305" W	5014.47	5068.98	0° 13' 12.3"	0.99995990	1282617.33	3095267.79
CP103	40° 06' 58.46822" N	105° 09' 33.94373" W	5006.34	5060.88	0° 13' 12.2"	0.99995959	1285373.63	3095249.38
CP104	40° 07' 16.74159" N	105° 09' 01.08087" W	4991.92	5046.78	0° 13' 33.4"	0.99995938	1287232.61	3097795.11
CP105	40° 07' 36.75958" N	105° 08' 34.44453" W	4963.29	5018.15	0° 13' 50.6"	0.99995917	1289266.43	3099856.10
CP106	40° 07' 50.88361" N	105° 08' 21.38015" W	4958.24	5013.11	0° 13' 59.1"	0.99995903	1290699.72	3100865.06
CP107	40° 08' 03.01085" N	105° 08' 07.33147" W	4946.47	5001.48	0° 14' 08.2"	0.99995891	1291931.31	3101951.18
CP108	40° 08' 03.78547" N	105° 07' 50.60664" W	4937.41	4992.56	0° 14' 19.0"	0.99995890	1292015.07	3103249.82
TESSAR	40° 05' 14.86846" N	105° 09' 01.68715" W	5294.54	-----	0° 13' 33.0"	0.99996089	1274900.37	3097796.62
HAPPY JACK	40° 06' 46.34184" N	105° 05' 01.90534" W	5043.66	5050.59	0° 16' 08.0"	0.99995973	1284236.77	3116389.01
*G454	40° 07' 06.32431" N	105° 09' 24.91607" W	4995.32	5014.59	0° 13' 18.0"	0.99995950	1286171.28	3095947.64
*J454	40° 07' 46.70024" N	105° 08' 28.61308" W	4959.30	5016.32	0° 13' 54.4"	0.99995907	1290274.14	3100304.97
*K454	40° 08' 09.39820" N	105° 08' 06.66149" W	4960.94	5016.32	0° 14' 08.6"	0.99995884	1292577.87	3102000.57
P041	39° 56' 58.15000" N	105° 11' 39.31685" W	5674.89	-----	0° 11' 51.2"	0.99997059	1224593.76	3085718.92
TMGO	40° 07' 51.34512" N	105° 13' 57.71720" W	5491.66	-----	0° 10' 21.8"	0.99995902	1290653.91	3074741.39
ZDV1	40° 11' 14.27224" N	105° 07' 37.96036" W	5058.32	-----	0° 14' 27.1"	0.99995746	1311294.21	3104150.98

*GEODETIC INFORMATION FOR G454, J454 & K454 WAS OBTAINED FROM THE COLORADO DEPARTMENT OF TRANSPORTATION, NO DATA SHEETS WERE AVAILABLE.

NOTE: National Geodetic Survey First Order Horizontal Stations and CORS stations held fixed in the final fully constrained least squares adjustment of the GPS data are as follows:

Designation:	TESSAR	Designation:	HAPPY JACK	Designation:	P041
PID:	A13563	PID:	LL1418	PID:	DG7429
Designation:	J454	Designation:	K 454	Designation:	ZDV1
PID:	N/A	PID:	N/A	PID:	DF9219
				Designation:	TMGO
				PID:	AF9516

Conversion Example of State Plane Coordinates to Project Coordinates:

State Plane Northing x 1.000278948 - 1,000,000 (sft) = Project Northing (US FT)
State Plane Easting x 1.000278948 - 3,000,000 (sft) = Project Easting (US FT)

Colorado Department of Transportation		Sheet Revisions				Sheet Revisions				Sheet Revisions				Right of Way Plans	
 1420 2nd Street Greeley, CO 80631 Phone: 970-350-2153 FAX: 970-350-2223 Region 4		Date		Description		Date		Description		Date		Description		Project Control Diagram	
														Project Number: STE 1191-024	
														Project Location: Boulder to Longmont Multi-Use Trail	
														Project Location: Boulder County	
														Project Code: Last Mod. Date	
														15694 12-08-08	
														Subset Sheets	
														4 of 4	
														Sheet No.	
														3.04	

☐ TABULATION OF FOUND ALIQUOT CORNERS

POINT NAME	PROJECT COORDINATES (US FT)		DESCRIPTION
	NORTHING	EASTING	
200	285693.89	98738.41	FD. 2 1/2" ALUMINUM CAP STAMPED UPSIDE DOWN FOR NE CORNER OF SEC. 30 T.2N. R.69W. MARKED "LS 2149"
201	280397.43	96127.85	FD. 2" ALUMINUM CAP IN RANGE BOX FOR SOUTH 1/4 CORNER OF SEC. 30 T.2N. R.69W. MARKED "D B & CO. LS 17664"
202	291038.86	104042.70	FD. 3 1/4" ALUMINUM CAP IN RANGE BOX STAMPED APPROPRIATELY FOR NE CORNER OF SEC. 20 T.2N. R.69W. MARKED "PLS 14070 1995"
215	291051.94	101416.51	FD. 6" X 6" SANDSTONE FIRMLY IN THE GROUND FOR NORTH 1/4 CORNER OF SEC. 20 T.2N. R.69W.
270	285704.10	96049.96	FD. 2 1/2" ALUMINUM CAP FOR 50' WITNESS CORNER FOR NORTH 1/4 CORNER SEC. 30 T.2N. R.69W. MARKED "LS 17664 1993"
280	285704.83	96099.95	CALCULATED POSITION FOR NORTH 1/4 CORNER SEC. 30 T.2N. R.69W. MARKED "LS 17664 1993"
290	283042.19	96113.95	FD. 2 1/2" ALUMINUM CAP IN RANGE BOX FOR CENTER 1/4 CORNER OF SEC. 30 T.2N. R.69W. MARKED "PE-LS 2568"

☐ TABULATION OF FOUND MONUMENTATION

POINT NAME	PROJECT COORDINATES (US FT)		DESCRIPTION
	NORTHING	EASTING	
210	291049.72	101867.14	FD. 1 1/4" RED PLASTIC CAP MARKED "PLS 14070"
211	291049.66	101866.44	FD. 1" ALUMINUM CAP MARKED "PLS 2152"
220	288679.05	99963.98	FD. 1 1/4" ALUMINUM CAP MARKED "ENGLAND PLS 29415"
221	288565.37	99863.71	FD. 1 1/4" ALUMINUM CAP MARKED "ENGLAND PLS 29415"
222	289410.53	100589.93	FD. 1 1/4" ALUMINUM CAP MARKED "ENGLAND PLS 29415"
223	287930.03	99112.97	FD. 1 1/4" ALUMINUM CAP MARKED "ENGLAND PLS 29415"
300	293659.88	104061.95	FD. 3 1/4" ALUMINUM CAP IN RANGE BOX STAMPED APPROPRIATELY FOR THE EAST 1/4 COR. SECTION 17 PLS ILLEGIBLE
310	292349.44	104052.33	SOUTH 1/16TH CORNER EAST LINE SECTION 17 (CALCULATED POSITION)

POINT NO.	NORTHING	EASTING
-1020	263042.10	96093.95
1040	263250.22	96092.85
-1525	292374.48	103812.15
-1526	292374.42	103822.61
-1527	292374.34	103838.29
-1528	292374.28	103848.74
-1529	292461.98	103839.36
-1530	292469.01	103848.91
-1531	292454.55	103863.23
-1532	292451.59	103872.78
-1535	292515.74	103993.55
-1536	292516.46	103914.07
-1537	292480.74	103993.29
-1538	292490.74	103993.36
-1539	292505.74	103993.47
-1540	292506.46	103913.98
-1541	292491.46	103913.84
-1542	292481.47	103913.75
1580	285622.68	96140.38
1582	285704.27	96236.05
1584	285704.14	96266.73
1585	285596.51	96140.52
-1600	263042.02	96073.95
-1601	263250.58	96072.86
5000	283250.44	96080.85
5001	283215.04	96081.04
5002	283215.10	96093.04
5003	283170.10	96093.27
5004	283130.11	96093.48
5005	283130.05	96081.48
5006	283170.04	96081.27
5009	291001.84	101868.01
5010	291049.51	101904.89

POINT NO.	NORTHING	EASTING
1191	291020.25	101844.33
1192	291004.91	101864.07
1500	291049.54	101898.59
1501	291049.70	101867.10
1527	292374.34	103538.29
1530	292459.01	103848.91
1531	292454.55	103663.23
1538	292490.74	103993.36
1539	292505.74	103993.47
1540	292506.46	103913.98
1541	292491.46	103913.84

POINT NO.	NORTHING	EASTING
1100	285704.47	96188.19
1123	288294.85	100016.36
1191	291020.25	101844.33
1192	291004.91	101864.07
1501	291049.70	101867.10
1580	285622.68	96140.38
1582	285704.27	96236.05
5007	291007.98	101860.12
5008	291049.57	101892.29

1. Jason Emery, 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 calculations and evaluation of the survey evidence were performed as part of the revisions to this Right-of-Way plan dated on or after Oct. 13, 2009 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.

1. Thomas W. Stoutenburg, 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 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.

Colorado Department of Transportation

DOT

1420 2nd Street
Greeley, CO 80631
Phone: 970-350-2153 FAX: 970-350-2178

Region 4

DCM

Sheet Revisions		
Date	Description	Initials
10/8/09	Detail TE-1, Add TE-1A & TE-1B	JE

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

CENTENNIAL

ENGINEERING, INC.

1400 10th Street
Boulder, CO 80502
781-777-7250

Right of Way Plans

Plan Sheet

Project Number: S1E 1191-024

Project Location: Boulder to Longmont Multi-Use Trail

Project Code: Last Mod. Date

15894 10-16-09

Subsist Sheets

1 of 6

Sheet No.

5.01

The main plan view shows a road alignment starting from the left edge of the sheet, passing through several sections. Key features include:

- Johnson Farm Subdivision:** A large area on the right side of the alignment, with a 'REPLAT "A"' label.
- Boulder County Park:** Located to the left of the alignment, with a '2" ALUMINUM CAP IN RANCE BOX PER MONUMENT RECORD LS 17084' label.
- NEVA RD.:** A road crossing the alignment.
- TRAIL &:** A trail crossing the alignment.
- Timothy Pl.:** A property line or easement.
- Dry Creek Rd.:** A road crossing the alignment.
- Wayne L. & Linda J. & Gabrielson:** A property line or easement.
- Tracy Spencer:** A property line or easement.
- Section Lines:** Vertical lines indicating the boundaries of different sections.
- Easements:** Various easements are shown, including a '15' TELEPHONE EASEMENT PER JOHNSON FARM SUBDIVISION REPLAT "A" PLAN FILE P-8-F-1 FILM #468 BOULDER COUNTY PUBLIC RECORDS' and a '40' WATER EASEMENT TO LEFT HAND WATER DISTRICT REC. NO. 0856211 FILM 2187'.
- Approximate Waterline Location:** Indicated by a dashed line.

SE 1/4 SEC. 30
T. 2 N. R. 69 W.

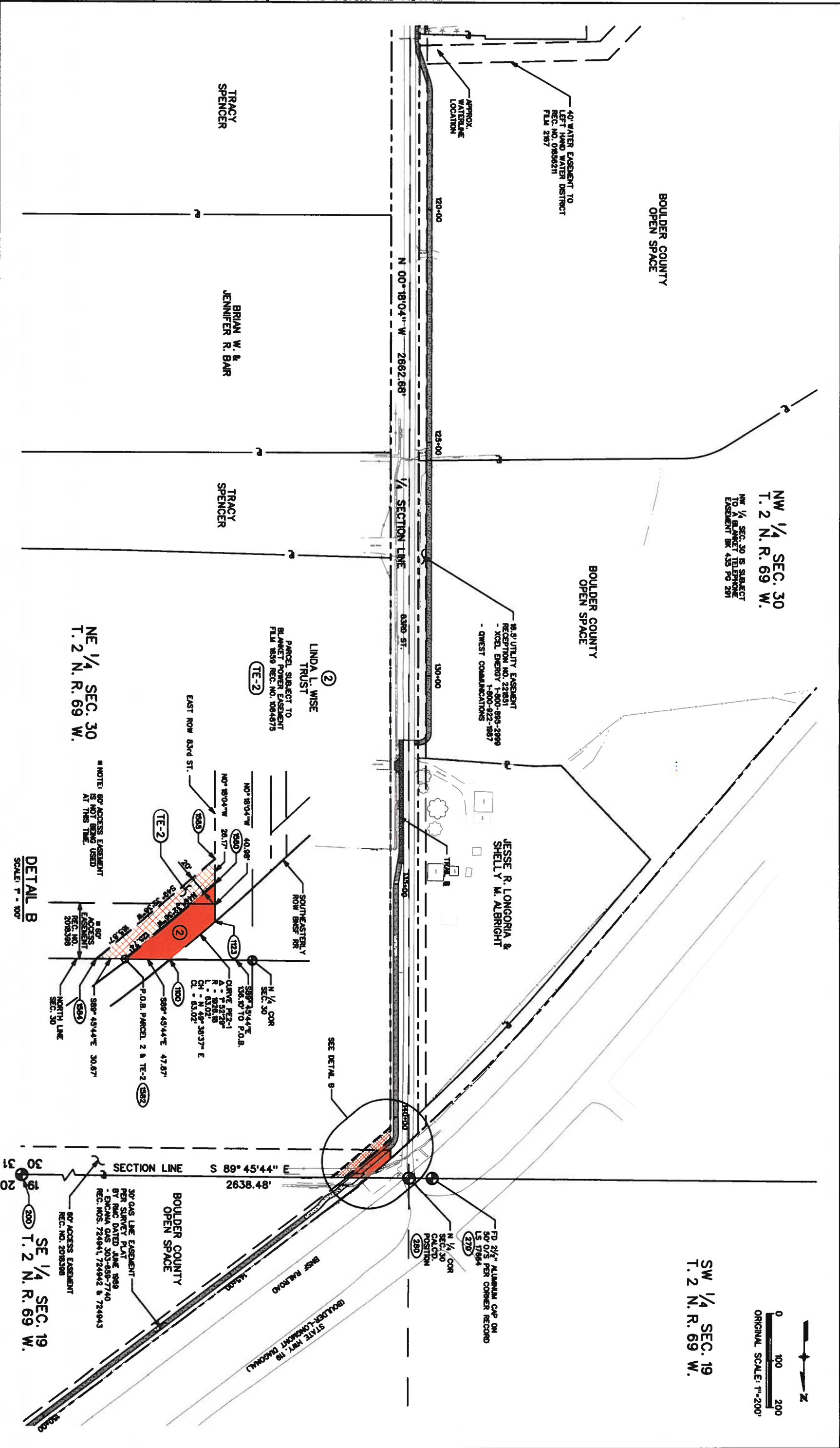
SW 1/4 SEC. 30
T. 2 N. R. 69 W.

NE 1/4 SEC. 30
T. 2 N. R. 69 W.

Detail A shows a close-up view of the road alignment, highlighting the following features:

- Section Lines:** Vertical lines indicating the boundaries of different sections.
- Property Lines:** Lines defining the boundaries of adjacent properties.
- Easements:** Various easements are shown, including a '15' TELEPHONE EASEMENT PER JOHNSON FARM SUBDIVISION REPLAT "A" PLAN FILE P-8-F-1 FILM #468 BOULDER COUNTY PUBLIC RECORDS' and a '40' WATER EASEMENT TO LEFT HAND WATER DISTRICT REC. NO. 0856211 FILM 2187'.
- Approximate Waterline Location:** Indicated by a dashed line.
- Tracy Spencer:** A property line or easement.

FILENAME: W:\07101000-LoBoTrail\Survey\ROW\Plan\wrpLn-Lobo-501.dgn DATE: 10/21/2009 TIME: 2:10:37 PM



DOT

Colorado Department of Transportation

1420 2nd Street

Greeley, CO 80631

Phone: 970-350-2153

FAX: 970-350-2178

Region 4

DGM

Sheet Revisions		
Date	Description	Initials

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Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

CENTENNIAL

ENGINEERING, INC.

1420 2nd Street

Greeley, CO 80631

Phone: 970-350-2153

Boulder County

Project Number: STE 1191-024

Plan Sheet

Project Location: Boulder to Longmont Multi-Use Trail

Project Code: Last Mod Date

15894

12-08-08

Sheet No.

5.03

SE 1/4 SEC. 19
T. 2 N. R. 69 W.

30' GAS LINE EASEMENT
PER SURVEY PLAT
BY RMC DATED JUNE 1989
- ENCINA GAS 303-658-7740
REC. NOS. 724841, 724842 & 724843

BOULDER COUNTY
OPEN SPACE

BOULDER COUNTY
OPEN SPACE

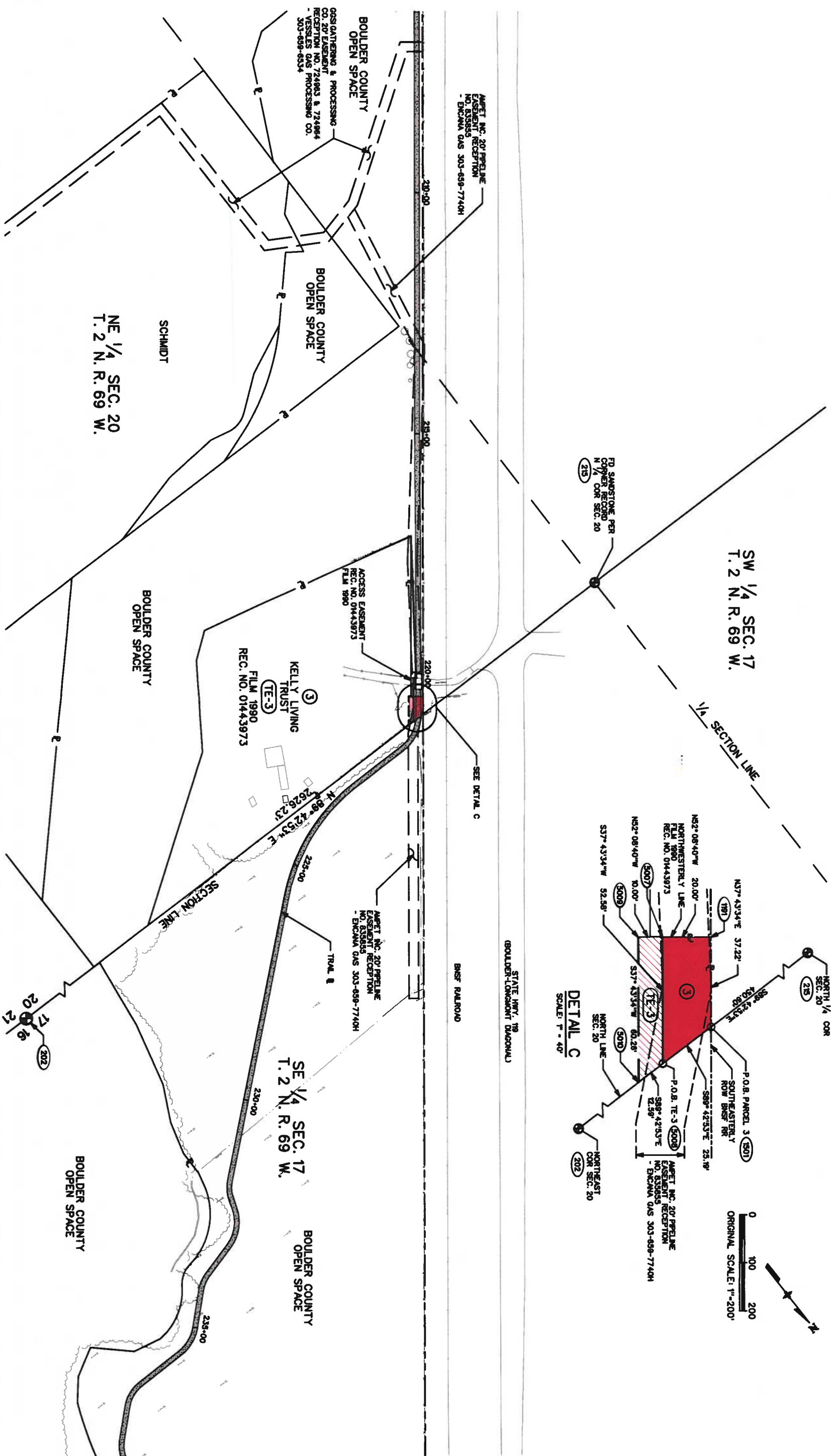
SW 1/4 SEC. 20
T. 2 N. R. 69 W.

A diagram showing a dashed line labeled "SECTION LINE" and a solid line labeled "P" intersecting it at an angle.

A diagram showing a dashed line labeled "SECTION LINE" and a solid line labeled "P" intersecting it at an angle.

A diagram showing a north arrow pointing towards the top right, a scale bar labeled "0 100 200" with "ORIGINAL SCALE: 1"=200'", and a dashed line labeled "1/4 SECTION LINE".

A main survey diagram showing a horizontal line with stationing from 50+00 to 120+00. A dashed line labeled "TRAIL R" runs parallel to the horizontal line. A solid line labeled "BNSF RAILROAD" runs parallel to the horizontal line. A diagonal line labeled "STATE HWY. 119 (BOULDER-LONGMONT DIAGONAL)" crosses the horizontal line. A dashed line labeled "30' GAS LINE EASEMENT" is shown near the horizontal line. A solid line labeled "1/4 SECTION LINE" is shown near the horizontal line.





Colorado Department of Transportation

DOT

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Region 4

DGM

Sheet Revisions		
Date	Description	Initials
10/16/09	Delete TE-1, Add TE-1A & TE-1B	JE

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

CENTENNIAL

ENGINEERING, INC.

Boulder County

Project Number: STE 1191-024

Project Location: Boulder County

Project Code: Last Mod. Date

Ownership Sheet

10-16-09

1 of 3

Sheet No.

6.01

SW 1/4 SEC. 30
T. 2 N. R. 69 W.

SE 1/4 SEC. 30
T. 2 N. R. 69 W.

NE 1/4 SEC. 30
T. 2 N. R. 69 W.

1/4 SECTION LINE

1/2 SECTION LINE

JOHNSON FARM SUBDIVISION REPLAT "A"

JOHNSON FARM SUBDIVISION REPLAT "L"

BOULDER COUNTY PARK

NWOT RD.

NEVA RD.

TRAIL B

NWOT MEADOW FARM RD.

DRY CREEK RD.

40' WATER EASEMENT TO LEFT HAND WATER DISTRICT REC. NO. 0866211 FILE 287

10' TELEPHONE EASEMENT PER JOHNSON FARM SUBDIVISION REPLAT "A" PLAN FILE P-8-F-1 NO. 9 RECEPTION NO. 230378 FILE #468 BOULDER COUNTY PUBLIC RECORDS.

10' UTILITY EASEMENT RECEPTION NO. 227851 XCEL ENERGY 1-800-922-1887 GUEST COMMUNICATIONS 125-00

BOULDER COUNTY OPEN SPACE

WAYNE L. & LINDA J. GABRIELSON

TRACY SPENCER

BRIAN W. & JENNIFER R. BAIR

JESSE R. LONGORIA & SHELLEY M. ALBRIGHT

STATE HWY. 78

BOULDER-LONGMONT DIAGONAL

BLANKET POWER EASEMENT FILE #36 REC. NO. 199497 A REC'D. CAL. 100% EASEMENT REC. NO. 2594105

LINDA L. WISE TRUST

PARCEL 2

TE-2

0 200 400
ORIGINAL SCALE: 1"=400'

TE-1A ① WAYNE L. & LINDA J. GABRIELSON
COMMITMENT #92807
7410 N. 83RD STREET
LONGMONT, CO 80503-8572

TE-1B ② LINDA L. WISE TRUST
COMMITMENT #92587
7410 N. 83RD STREET
LONGMONT, CO 80544

FILENAME: W:\07101000-LoBoTrail\Survey\ROW\Plan\rwown-LoBo-601.dgn DATE: 10/21/2009 TIME: 2:24:54 PM

DOT

1420 2nd Street
Greeley, CO 80631
Phone: 970-350-2153 FAX: 970-350-2178

Region 4

DCM

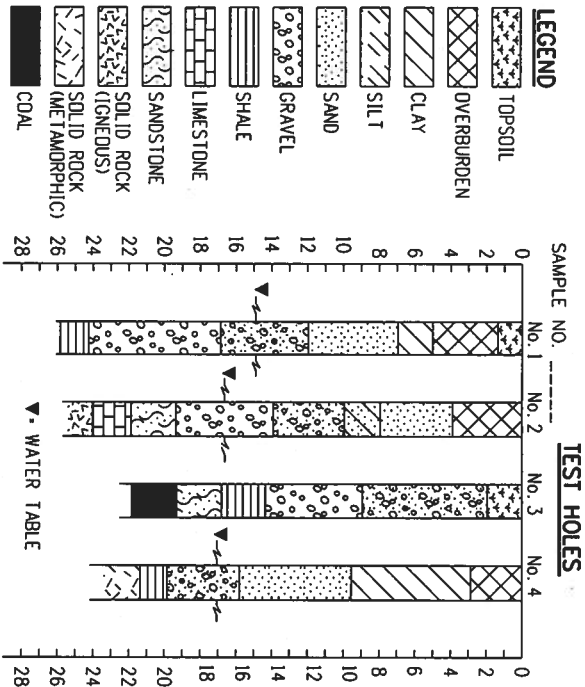
Colorado Department of Transportation

Sheet Revisions			Sheet Revisions			Sheet Revisions			Right of Way Plans		
Date	Description	Initials	Date	Description	Initials	Date	Description	Initials	Ownership Sheet		
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									Project Location: Boulder to Longmont Multi-Use Trail		
									Project Location: Boulder County		
									Project Code: Last Mod. Date	Subst. Sheets	Sheet No.
									15895	12-08-08	2 of 3

② LINDA L. WISE TRUST
PARCEL 2 COMMITMENT #82587
N. 83RD STREET
NIMOT, CO 80544
TE-2

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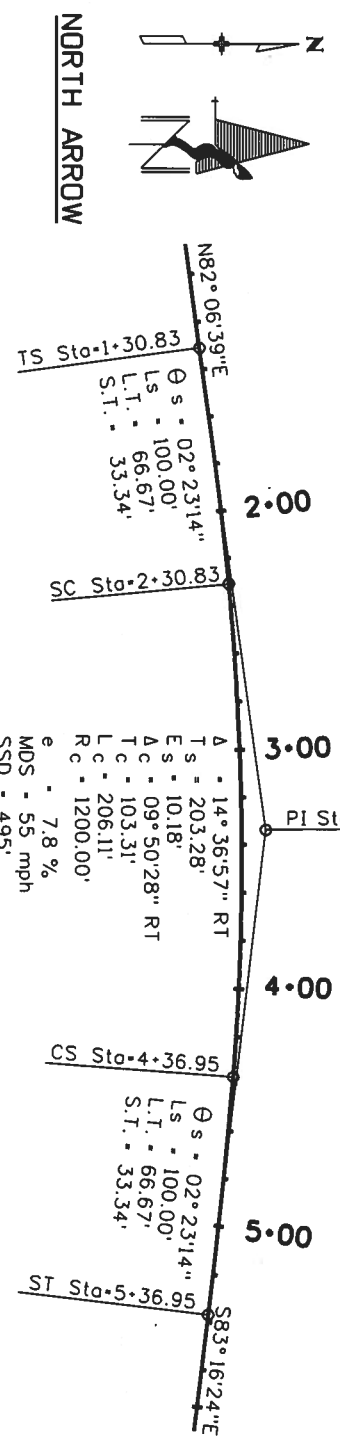
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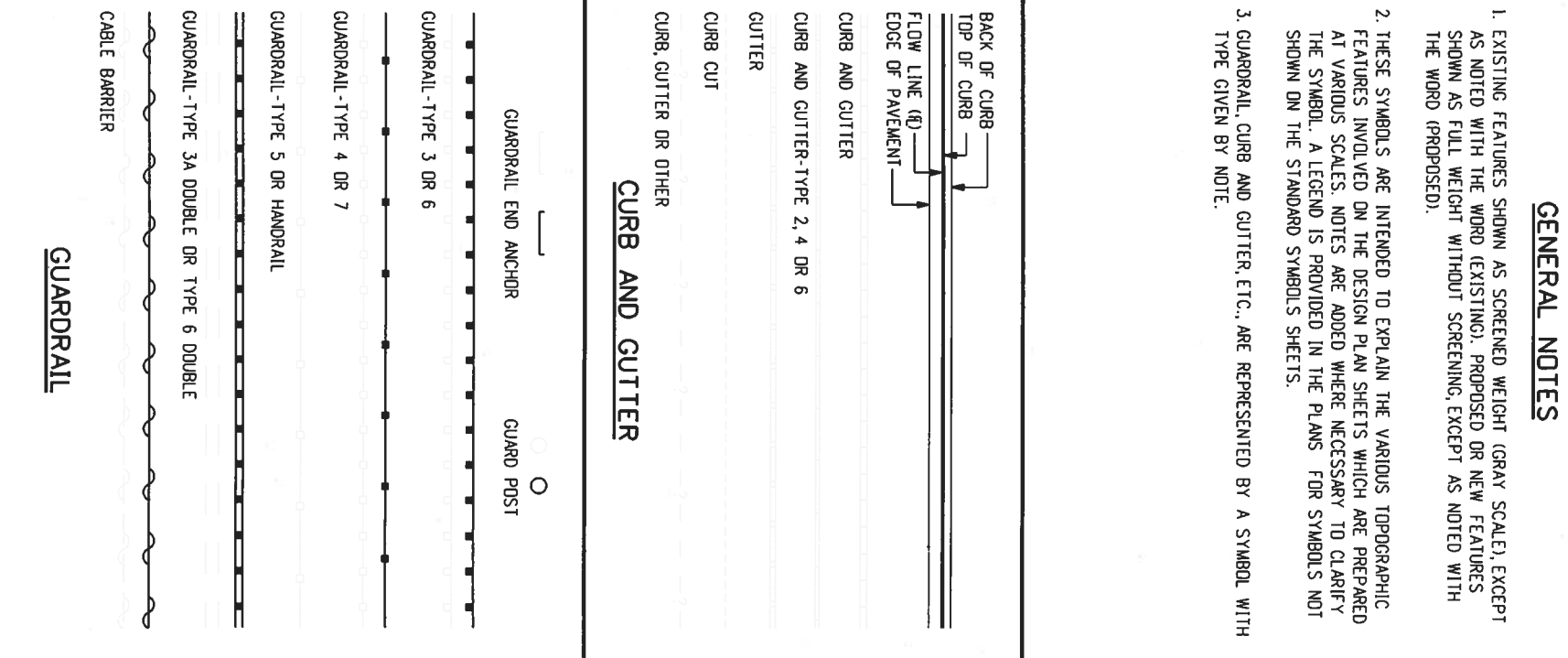
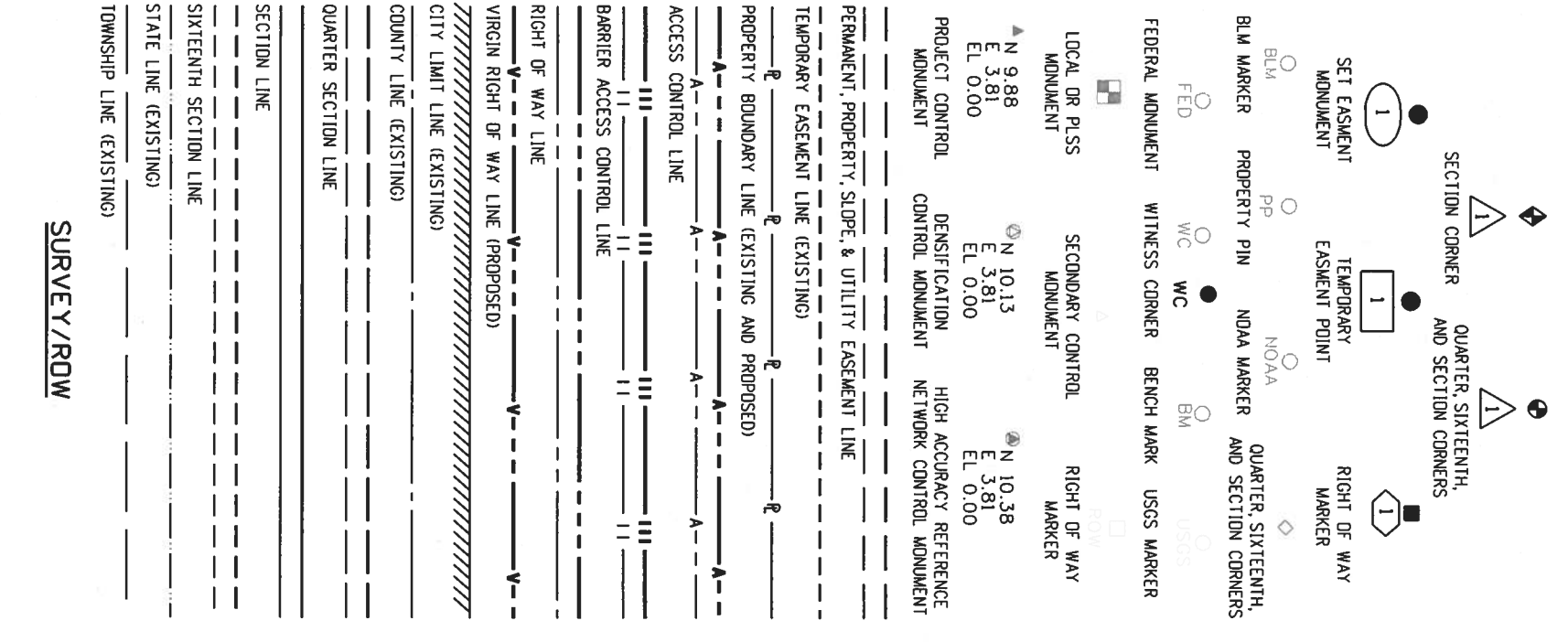
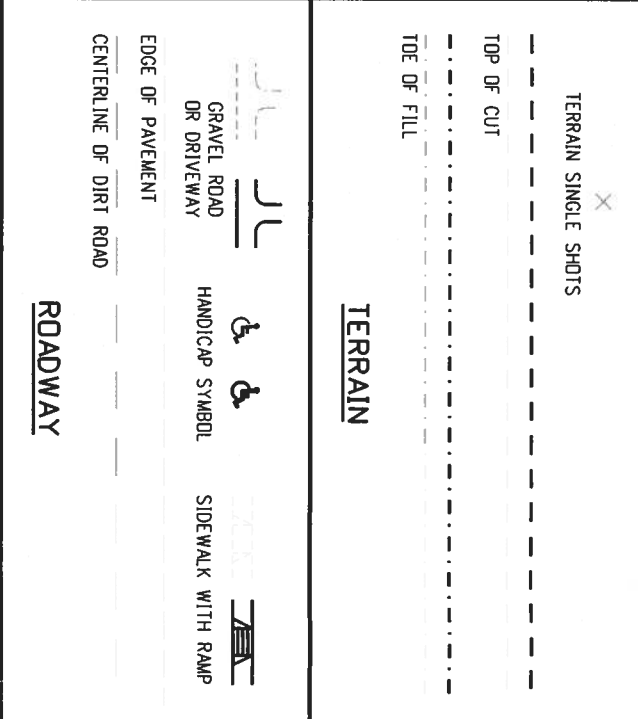
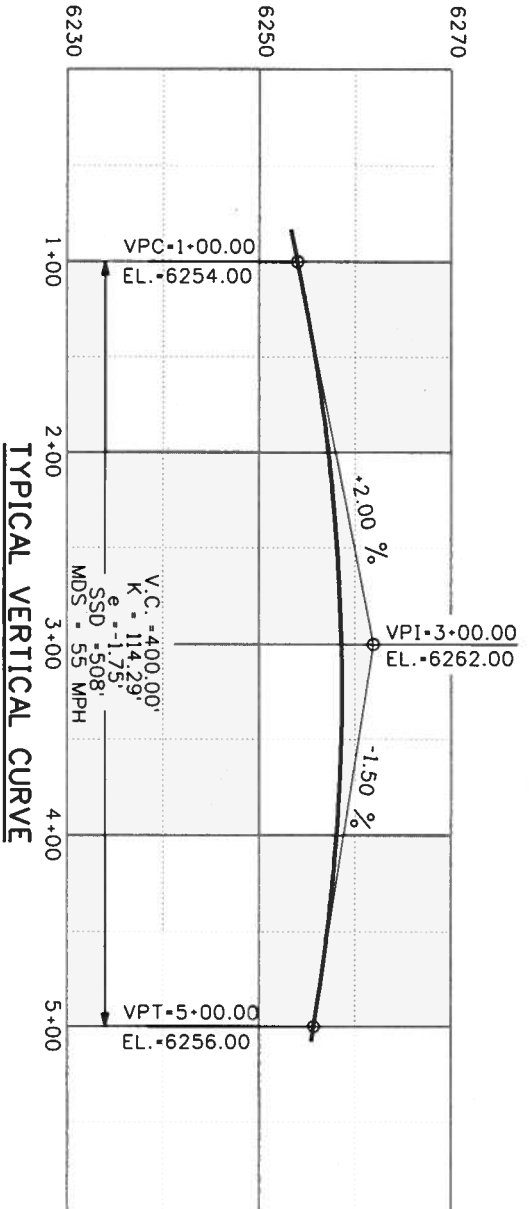
COMPOSITE MATERIALS ARE REPRESENTED BY COMBINATIONS OF THE ABOVE SYMBOLS, SUCH AS:



TYPICAL BORING LOG



TYPICAL HORIZONTAL CURVE



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Last Modification Date: 07/04/06
Full Path: www.dot.state.co.us/DesignSupport/

Drawing File Name: 100010103.dgn
CAD Ver.: MicroStation V8

Initials: SRJ
Initials: LTA

Date:

Comments:

Colorado Department of Transportation

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Denver, Colorado 80222
Phone: (303) 757-9083
Fax: (303) 757-9820

Project Development Branch

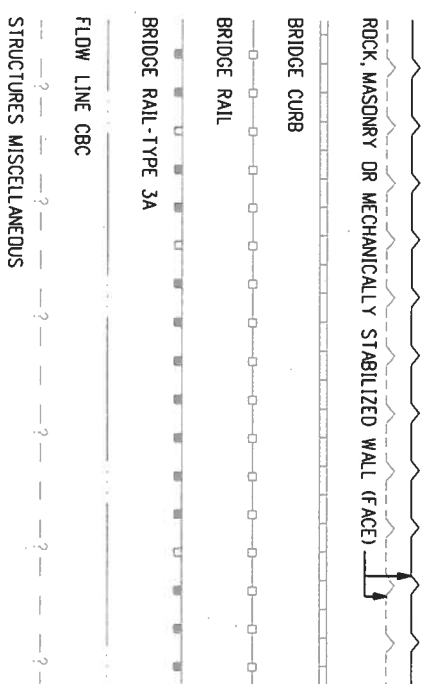
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Issued By: Project Development Branch on July 04, 2006

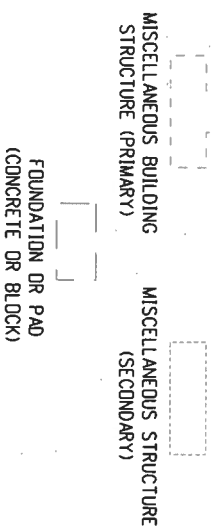
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M-100-1

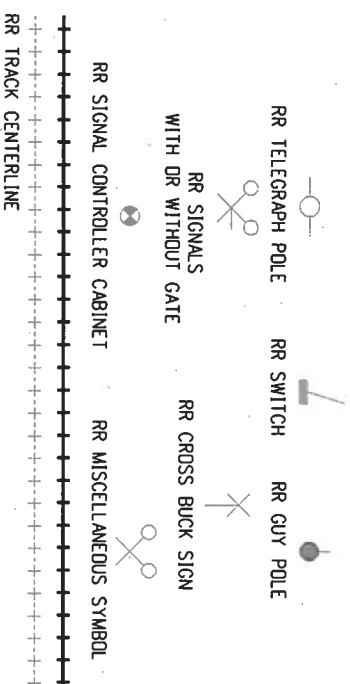
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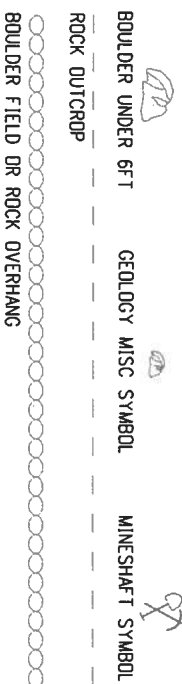
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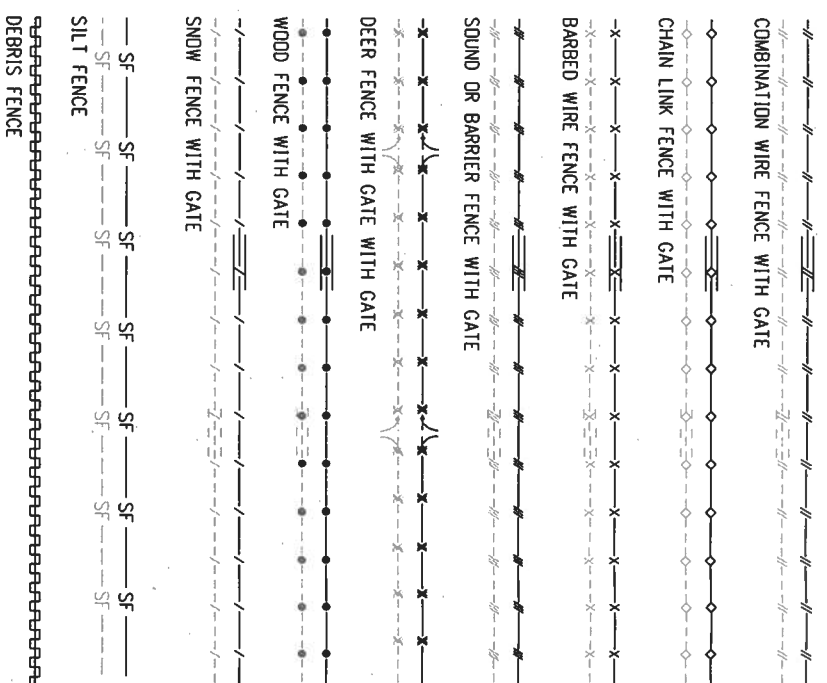
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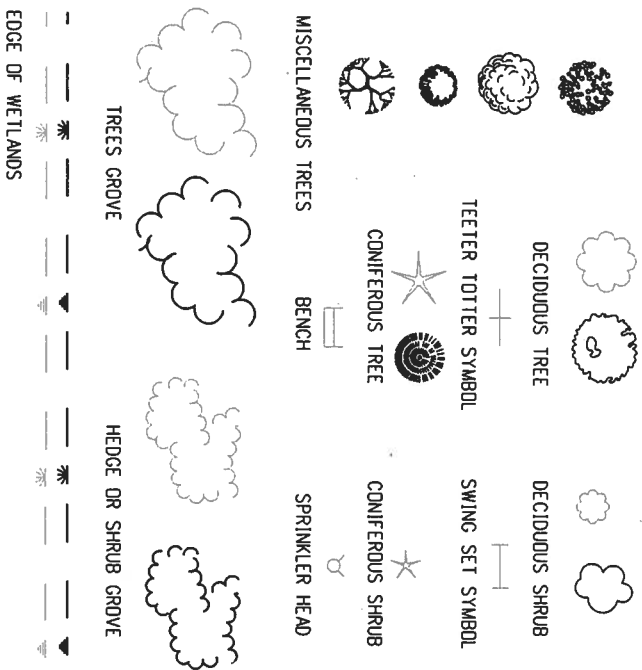
RAILROAD



GEOLOGY



FENCE



LANDSCAPING

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CAD Ver.: MicroStation V8	Scale: Not to Scale	Units: English

Sheet Revisions	
Date:	Comments

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 **DOT**

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GOVERNMENT OF COLORADO

Project Development Branch

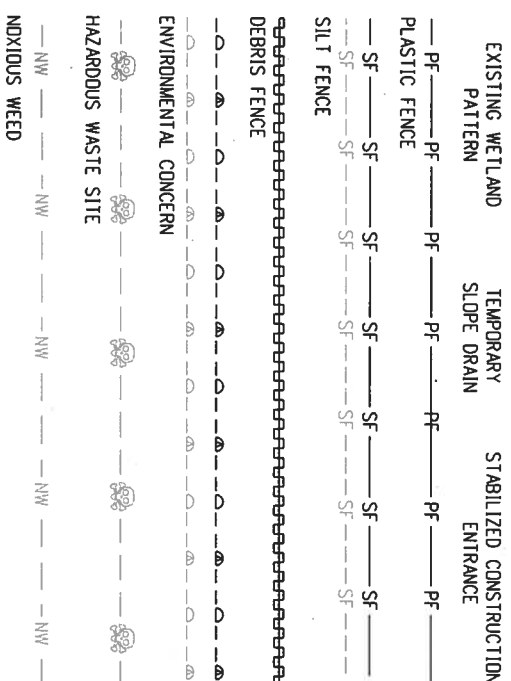
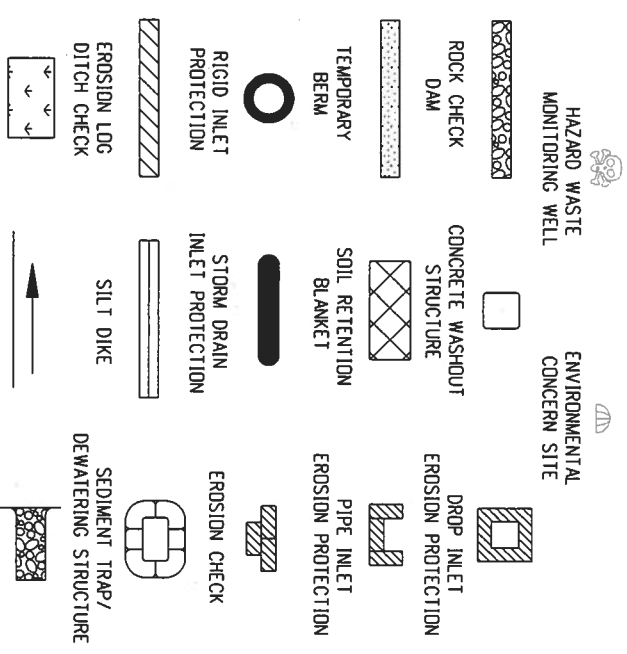
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STANDARD SYMBOLS	A
Issued By: Project Development Branch July 04, 2006	

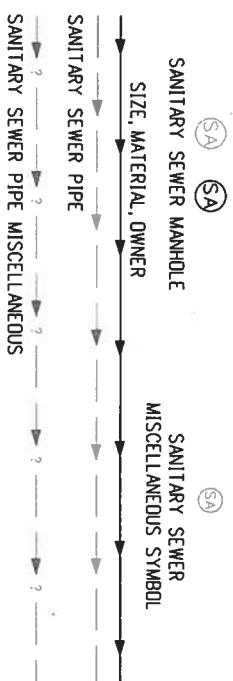
STANDARD PLAN NO.

M-100-1

Sheet No. 2 of 3



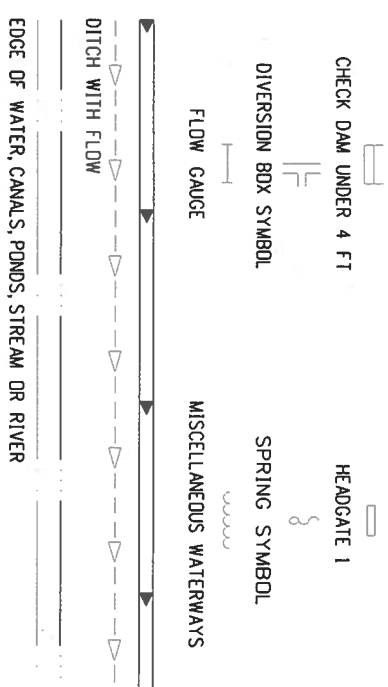
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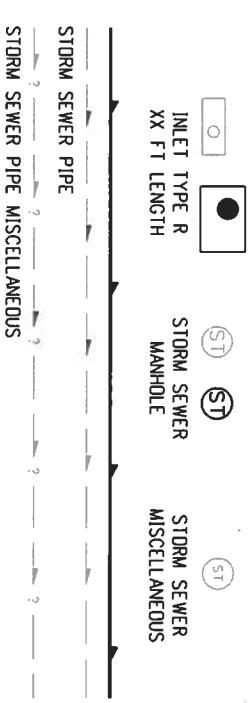
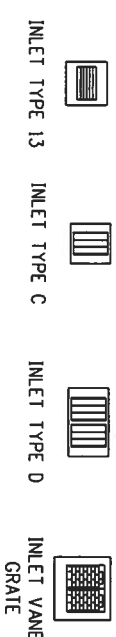
SANITARY SEWER



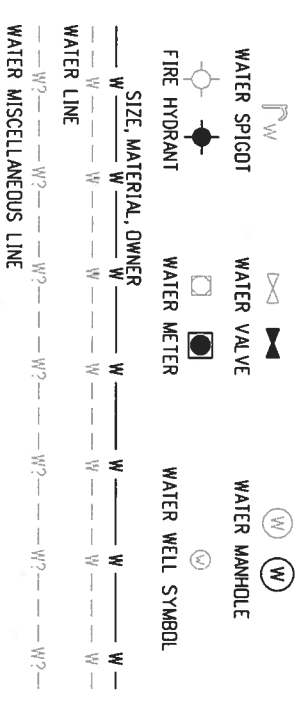
PIPES



DITCHES AND WATERWAY



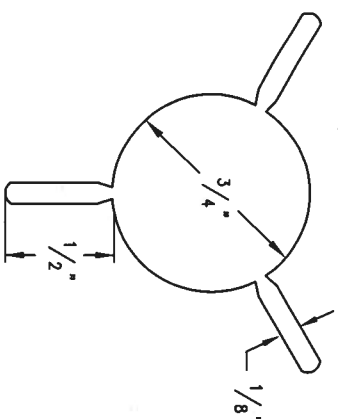
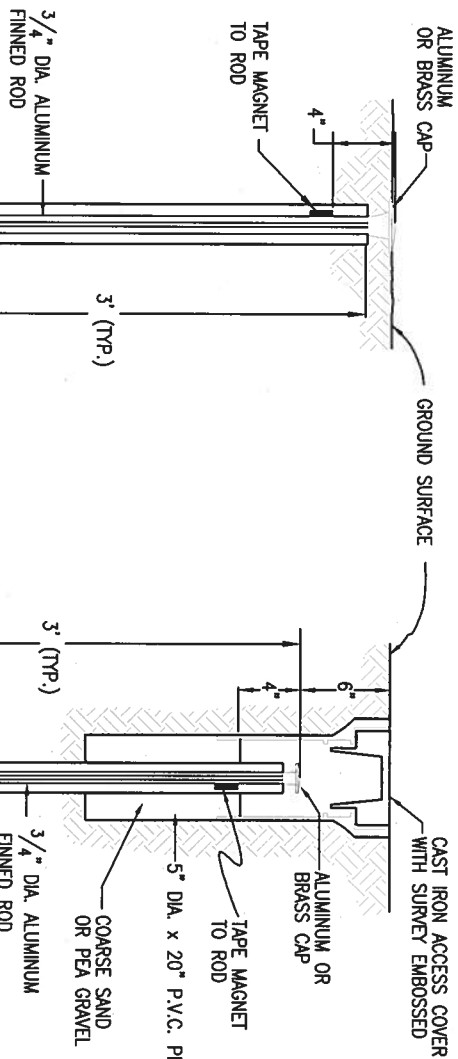
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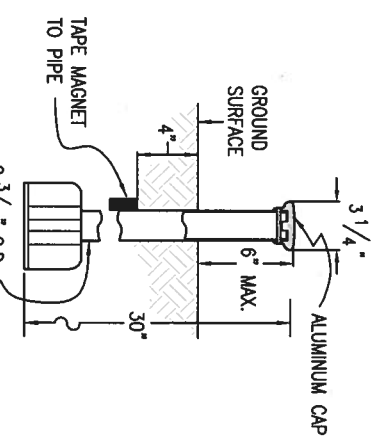
WATER

STANDARD PLAN NO.
M-100-1
Sheet No. 2 of 3

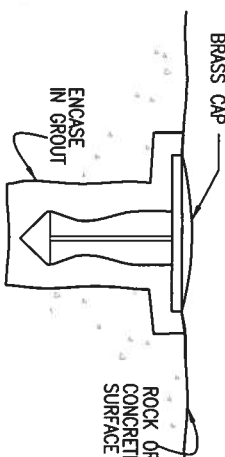
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SECTION A-A



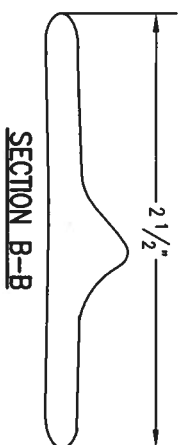
TYPE 3 MONUMENT



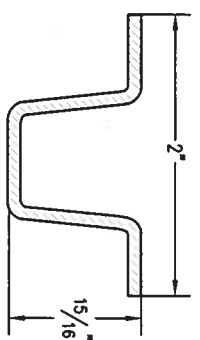
TYPE 5 MONUMENT
ALUMINUM CAP AND TYPE 5(S)
DETAILS SHOWN ON SHEET 2

TYPE 1 MONUMENT

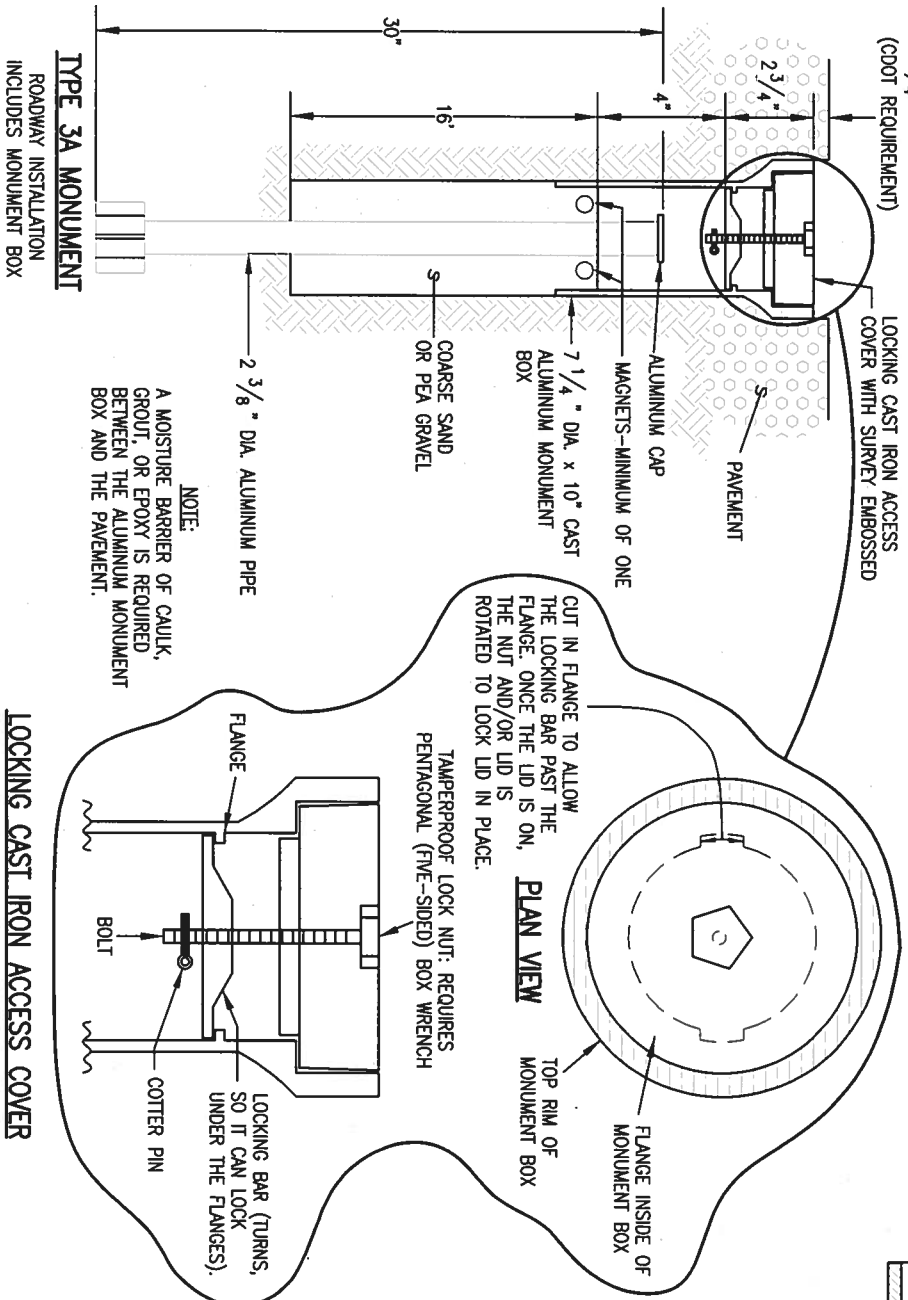
TYPE 1A MONUMENT
INCLUDES MONUMENT BOX



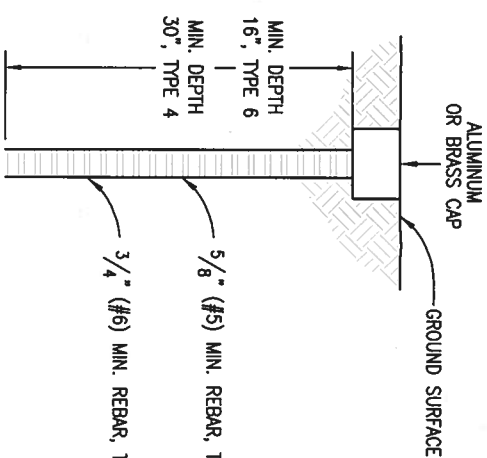
SECTION B-B



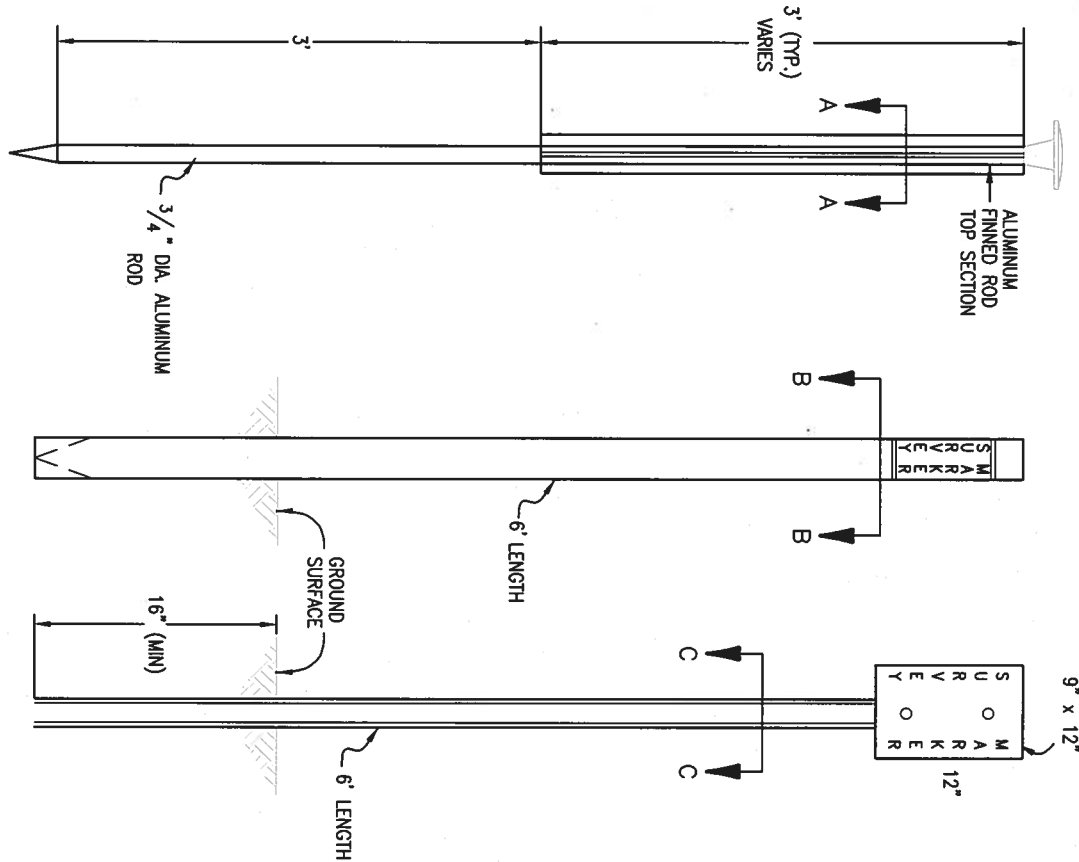
DELINEATOR POST
SECTION C-C



TYPE 3A MONUMENT
ROADWAY INSTALLATION
INCLUDES MONUMENT BOX



TYPE 4 AND TYPE 6 MONUMENT



TYPE 2 MONUMENT
TYPE 2A INCLUDES MONUMENT BOX

WITNESS POSTS

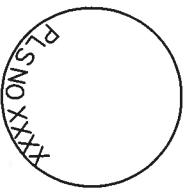
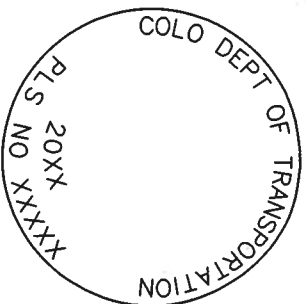
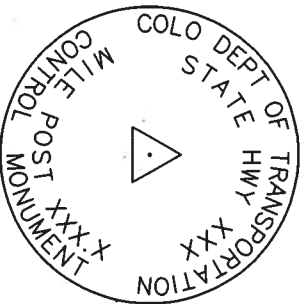
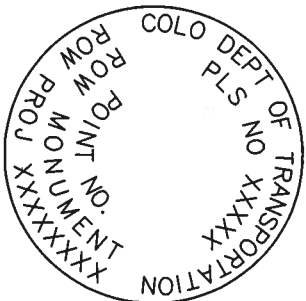
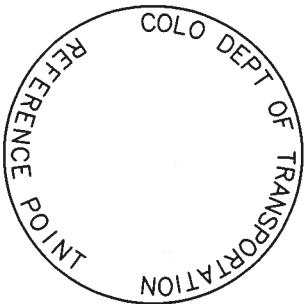
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Sheet Revisions	
Date:	
Comments:	

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STANDARD PLAN NO.
M-629-1
Sheet No. 1 of 2



REFERENCE
MONUMENT CAP

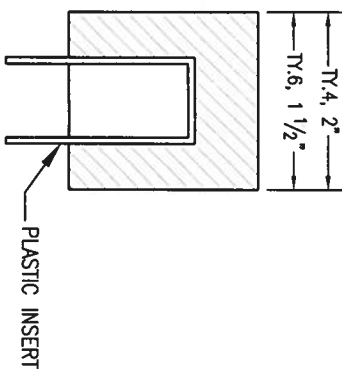
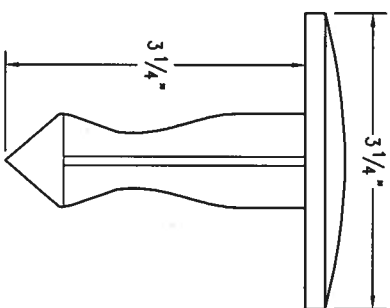
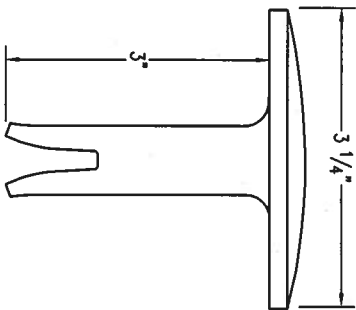
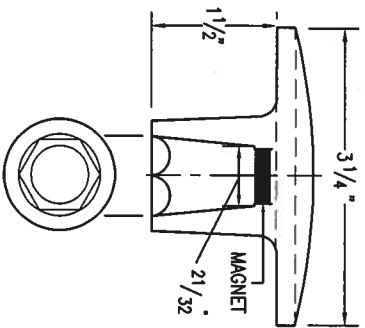
ROW
MONUMENT CAP

CONTROL
MONUMENT CAP

ALQUOT CORNER
MONUMENT CAP

ALUMINUM CAP

NOTE: A BLANK CAP MAY BE SUBSTITUTED IF THE APPROPRIATE CAP SHOWN ABOVE IS NOT AVAILABLE. IF A BLANK CAP IS USED, ALL INFORMATION NORMALLY INCLUDED ON THE APPROPRIATE STANDARD CAP, SHALL BE STAMPED ON THE BLANK CAP ALONG WITH SPECIFIC PROJECT INFORMATION SUCH AS PROJECT NO., DATE, POINT NO., ETC..



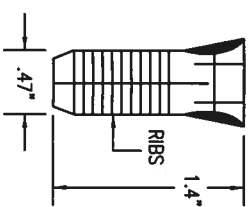
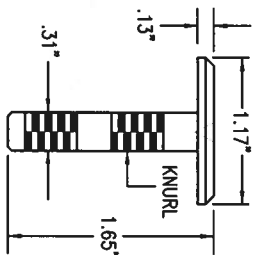
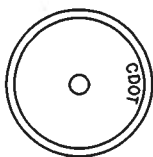
ALUMINUM CAP
USED WITH ALUMINUM ROD

ALUMINUM CAP
TYPE 5
FOR PLACING IN EXISTING
CONCRETE OR ROCK

BRASS CAP
TYPE 5
FOR PLACING IN EXISTING
CONCRETE OR ROCK

MONUMENT APPLICATION

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



COPPER ALLOY CAP
TYPE 5(S)
FOR PLACING IN EXISTING
SIDEWALK, CURB, OR GUTTER

* WITNESS POSTS

THE WITNESS POST WILL BE SUPPLIED BY CDOT AND INSTALLATION SHALL BE INCLUDED IN THE WORK. IT SHALL BE DRIVEN WITHIN 1 FT. OF THE MONUMENT WHEN POSSIBLE. A DELINEATOR POST WITH A 9 IN. X 12 IN. METAL SIGN PANEL MAY BE USED IN LIEU OF THE PLASTIC POST. THIS POST SHALL CONFORM TO STANDARD PLAN S-612-1. A REQUIRED WITNESS POST MAY BE OMITTED WITH THE APPROVAL OF THE ENGINEER IF THE WITNESS POST LOCATION IS WITHIN A TRAVELED WAY, DRIVEWAY, OR ACCESS OPENING.

ALL MONUMENTATION MATERIALS WILL BE FURNISHED BY CDOT
THE MONUMENT TYPE SHALL MEET THE MINIMUM STANDARDS AS DETERMINED BY THE COLORADO STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS RULES (STATE BOARD RULES).
THE CDOT SURVEY COORDINATOR SHALL APPROVE ALL EXCEPTIONS FOR STAMPING MONUMENTS DIFFERING FROM THE STANDARDS.

TYPE 1 AND TYPE 1A ALUMINUM FINNED ROD MONUMENTS

THIS MONUMENT SHALL BE USED FOR ROW OR REFERENCE MONUMENTS OR MAY BE USED FOR AN ALQUOT CORNER MONUMENT. WHEN USED AS AN ALQUOT CORNER MONUMENT, INSTALLATION AND RECORD FILING REQUIREMENTS SHALL BE AS STATED FOR TYPE 3 AND TYPE 3A MONUMENTS.

MONUMENTS SHALL BE INSTALLED BY ATTACHING THE PROPER SIZE TIP TO ONE END OF A SECTION OF FINNED ROD, AND A 3 IN. LONG X 3/4 IN. DIA. STAINLESS STEEL ADAPTER TO THE OTHER END. THE DRIVER IS THEN PLACED OVER THE STAINLESS STEEL ADAPTER FOR THE HAMMER TO CONTACT. TYPE 1 MONUMENTS SHALL USE A MINIMUM 3 FT. SECTION OF FINNED ROD. WHEN SUBSURFACE ROCK OR CONCRETE IS ENCOUNTERED LESS THAN 3 FT. BELOW THE GROUND SURFACE, THE ROD SHALL BE EMBEDDED IN THE ROCK OR IN CONCRETE AT LEAST 6 IN. AND GROUTED IN PLACE. THE ROD MAY BE SHORTENED TO ACCOMMODATE THE CONDITIONS.

WHEN UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, ADDITIONAL SECTIONS OF ROD SHALL BE ADDED TO ACHIEVE STABILITY. HORIZONTAL AND VERTICAL STABILITY ARE REQUIRED.

TYPE 1A MONUMENT INCLUDES MONUMENT BOX. A LOCKING CAST IRON ACCESS COVER SHALL BE INSTALLED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY PAVEMENT.

TYPE 2 AND TYPE 2A ALUMINUM FINNED ROD MONUMENTS

THIS MONUMENT SHALL BE USED FOR HORIZONTAL AND VERTICAL CONTROL MONUMENTS. WHEN UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, ADDITIONAL SECTIONS OF ROD SHALL BE ADDED TO ACHIEVE STABILITY. HORIZONTAL AND VERTICAL STABILITY ARE REQUIRED. IN MOST SOIL CONDITIONS THE TYPE 2 MONUMENT IS EMBEDDED 6 FT. INTO THE GROUND.

THE MONUMENT SHALL BE INSTALLED BY FIRST ATTACHING THE PROPER SIZE TIP TO A 3 FT. LONG X 3/4 IN. DIA. ROD, THEN DRIVING THE ROD AT LEAST 30 IN. INTO THE GROUND. ADDITIONAL 3 FT. LONG X 3/4 IN. FINNED ROD SECTIONS SHALL BE ADDED AND DRIVEN FLUSH WITH THE GROUND UNTIL THE MONUMENT IS IN A STABLE POSITION. THE FINS ARE BENT OVER USING PLIERS TO ACCOMMODATE INSTALLING THE CAP. THE CAP IS FIRMLY SEATED ONTO THE LAST FINNED SECTION OF ROD USING A DEAD BLOW SLEDGE HAMMER.

TYPE 2A MONUMENT INCLUDES MONUMENT BOX. A LOCKING CAST IRON ACCESS COVER SHALL BE INSTALLED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY PAVEMENT.

TYPE 3 AND TYPE 3A ALUMINUM PIPE MONUMENTS

THIS MONUMENT SHALL BE USED FOR AN ALQUOT CORNER MONUMENT. THE INSTALLATION OF THIS MONUMENT AND RECORD FILING SHALL BE DONE IN ACCORDANCE WITH THE STATE BOARD RULES. ALSO REFER TO THE CDOT SURVEY MANUAL AND THE BUREAU OF LAND MANAGEMENT REQUIREMENTS FOR MONUMENT INSTALLATION. THE LAND SURVEYOR'S LICENSE NUMBER AND THE YEAR SHALL BE STAMPED ON THE CAP.

TYPE 3A MONUMENT INCLUDES MONUMENT BOX. A LOCKING CAST IRON ACCESS COVER SHALL BE INSTALLED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY PAVEMENT.

TYPE 4 ALUMINUM MONUMENT

THIS MONUMENT MAY BE INSTALLED IN LIEU OF REPLACING THE ENTIRE MONUMENT WHEN REBAR IS IN PLACE AT AN ALQUOT CORNER LOCATION. REFER TO THE STATE BOARD RULES. A MINIMUM 2 IN. DIA. CAP SHALL BE USED ON 3/4 IN. (#6) REBAR.

TYPE 5 BRASS/ALUMINUM CAP MONUMENT

THIS MONUMENT MAY BE INSTALLED IN LIEU OF ALL OTHER CDOT MONUMENTS, WHEN THE POSITION IS LOCATED IN CONCRETE OR STABLE ROCK FORMATION.

TYPE 5(S) COPPER ALLOY CAP MONUMENT – SMALL

THIS MONUMENT MAY BE INSTALLED IN LIEU OF A TYPE 5 MONUMENT, WHEN THE POSITION IS LOCATED IN A CONCRETE SIDEWALK, CURB OR GUTTER, OR WHEN SETTING A TYPE 5 WOULD COMPROMISE THE INTEGRITY OF THE RECEIVING STRUCTURE.

STAMPING REQUIREMENTS:

- "RP", WHEN THE APPLICATION IS A REFERENCE POINT.
- "ROW", POINT NUMBER, "LS", AND REGISTRATION NUMBER WHEN THE APPLICATION IS A ROW POINT.
- "CP" AND A UNIQUE IDENTIFIER PROVIDED BY THE REGION SURVEY COORDINATOR, WHEN THE APPLICATION IS A CONTROL POINT.
- "PE", POINT NUMBER, "LS", AND REGISTRATION NUMBER, WHEN THE APPLICATION IS A PERMANENT EASEMENT POINT.
- "PP" AND POINT NUMBER, WHEN THE APPLICATION IS A PROJECT POINT.

TYPE 6 ALUMINUM MONUMENT

THIS MONUMENT SHALL BE USED FOR PERMANENT EASEMENTS, PROJECT BENCH MARKS, PROJECT POINTS, AND REFERENCES. AN ALUMINUM CAP WITH A MINIMUM DIAMETER OF 1 1/2 IN., SHALL BE USED ON 5/8 IN. (#5) MINIMUM REBAR.

Computer File Information

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Last Modification Date: 07/04/06	Initials: LTA
Full Path: www.dot.state.co.us/DesignSupport/	
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CAD Ver.: Microstation V8	Scale: Not to Scale Units: English

Sheet Revisions

Date:	Comments
(R-X)	
(R-X)	
(R-X)	
(R-X)	

Colorado Department of Transportation



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Project Development Branch

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SURVEY

MONUMENTS

STANDARD PLAN NO.

M-629-1

Sheet No. 2 of 2

Issued By: Project Development Branch on July 04, 2006