

CLERK AND RECORDER'S CERTIFICATE

BOOK NO. PAGE NO. RECEPTION NO.

ACCEPTED FOR FILING IN THE OFFICE OF
THE COUNTY CLERK AND RECORDER OF
JEFFERSON COUNTY AT GOLDEN, COLORADO
ON THIS DAY OF
20 AT : O'CLOCK .M.

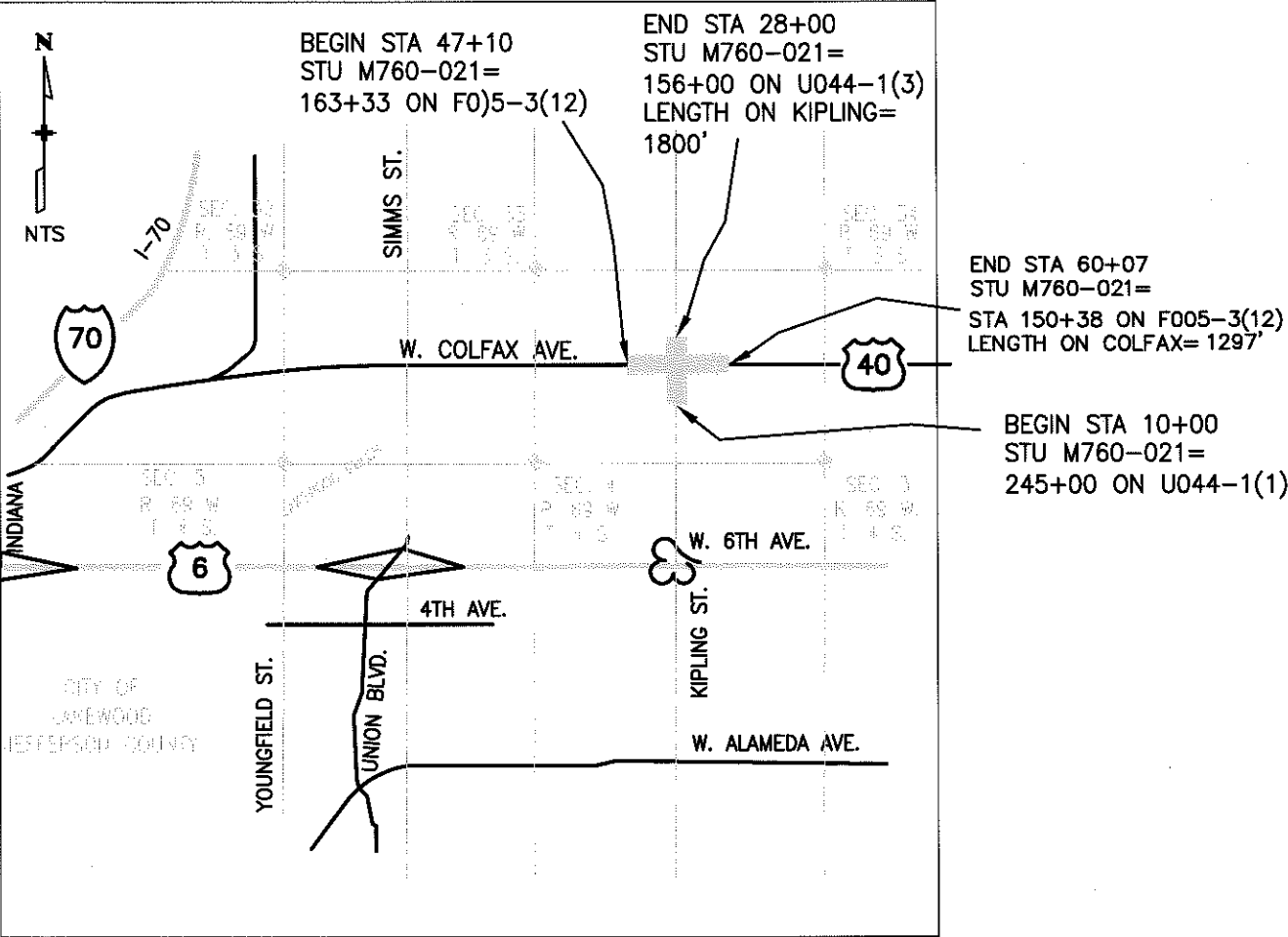
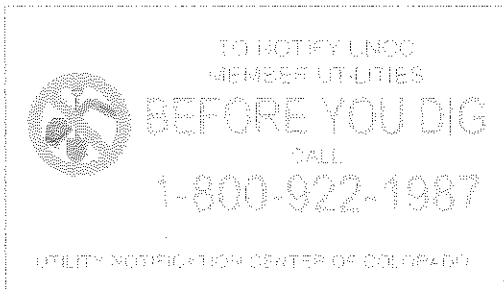
JEFFERSON COUNTY CLERK AND RECORDER

BY: DEPUTY CLERK (SEAL)

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED
FEDERAL AID PROJECT NO. STU M760-021
STATE HIGHWAY NO. 391 MP 6.1 TO MP 6.4
AND US HIGHWAY NO. 40 MP 291.3 TO MP 291.6
CITY OF LAKEWOOD, JEFFERSON COUNTY
RIGHT OF WAY PROJECT CODE NO. 16264

SHEET NO.	INDEX OF SHEETS
RW 1.01	(1) Title Sheet
RW 2.01-RW 2.02	(3) Tabulation of Properties
RW 3.01-RW 3.02	(2) Control Diagram
RW 4.01-RW 4.01	(1) Monumentation Sheets
RW 5.01-RW 5.09	(9) Plan Sheets
M-100-1	(1) Standard Symbols
M-629-1	(2) Survey Monuments
	(19) Total Sheets



PROJECT LOCATION MAP

PHONE: (303) 586-5800
390 UNION BOULEVARD
SUITE 630
LAKEWOOD, CO. 80228

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
AUTHORIZED: DATE
DIVISION ADMINISTRATOR

CITY OF LAKEWOOD



DEPARTMENT OF PUBLIC WORKS

Date	Description	Initial

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Project Code:	Last Mod. Date:	Subset Sheets	Sheet No.
16264	6-12-09	RW 2.01 of RW 2.03	RW 2.01

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 DEPARTMENT OF TRANSPORTATION

CITY OF LAKEWOOD



DEC 3 1980 LOTSCONT.DWG

Sheet Revisions

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Sheet Revisions

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Project Code:	Last Mod. Date	Subset Sheets	Sheet No.
16264	6-12-09	RW 2.02 of RW 2.03	RW 2.02

Project Code:	Last Mod. Date	Subset Sheets	Sheet No.
16264	6-12-09	RW 2.02 of RW 2.03	RW 2.02

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COLORADO DEPARTMENT OF TRANSPORTATION



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CITY OF LAKEWOOD



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LAKEWOOD, CO. 80226
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DEPARTMENT OF PUBLIC WORKS

Sheet Revisions

Date	Description	Initials

CITY OF LAKEWOOD — KIPLING AND COLFAX INTERSECTION
SITUATED IN SECTIONS 33, 34 TOWNSHIP 3 SOUTH, RANGE 69 WEST
AND SECTIONS 3, 4, TOWNSHIP 4 SOUTH, RANGE 69 WEST,
OF THE SIXTH PRINCIPLE MERIDIAN IN THE CITY OF LAKEWOOD,
COUNTY OF JEFFERSON, STATE OF COLORADO

Right of Way Plans

Land Survey Control Diagram			
Project Number: Stu M760-021			
Project Location: KIPLING / COLFAX			
Project Location: SH 391 AND US 40			
Project Code: 16264	Last Mod. Date: 8-28-08	Subest Sheets: RW 3.01 OF 3.02	Sheet No.: RW 3.01

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BY: DEPUTY CLERK (SEAL)

CONTROL POINT TABLE

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	695181.65	110625.78	5560.94	FOUND 3 1/4 IN ALU. CAP IN CAST IRON BOX
6	695517.22	110583.28	5551.19	FOUND NOAA DEEP ROD IN BOX D 412
1009	692511.40	110614.49	5508.17	FOUND ALU. CAP IN RANGE BOX LS 29028
1008	695202.73	113269.01	5498.40	FOUND ALU. CAP IN RANGE BOX LS 16837
1007	697825.75	110606.81	5608.87	FOUND ALU. CAP IN RANGE BOX LS 16837
1010	695162.84	107986.55	5579.66	FOUND #11 REBAR IN RANGE BOX
23	695194.18	111850.30	5545.66	FOUND CDOH ALU. CONTROL CAP 4.015096
24	695227.41	110850.13	5560.39	FOUND CDOH ALU. CONTROL CAP 4.015099
101	695134.53	110569.31	5561.45	FOUND ALU CAP ILLEGIBLE
9103	695231.65	111297.02	5556.29	FOUND CITY OF LAKEWOOD CAP 103
108	694824.32	110578.05	5571.28	FOUND CITY OF LAKEWOOD CAP 108

BASIS OF BEARINGS:
BEARINGS ARE BASED UPON GPS OBSERVATIONS OF THE
STATIONS 24 AND 108. STATION 24 IS A COLORADO DEPARTMENT
OF HIGHWAYS 3 1/4" DIAMETER ALU. CAP MARKED
4.015099. 108 IS A CITY OF LAKEWOOD CAP MARKED
108. THE BEARING FROM STATION 24 TO STATION 108 IS S 34°01'05"W
GEODETICE CONTROL FOR THIS AREA WAS PERFORMED ON PREVIOUS
CITY OF LAKEWOOD PROJECT, SHO 760-017.

BASIS OF COORDINATES:
PROJECT COORDINATES ARE BASED UPON THE PREVIOUS WORK
BY THE CITY OF LAKEWOOD AT THIS LOCATION.

BASIS OF ELEVATIONS NAVD 1988:
ELEVATIONS OF PROJECT COORDINATES ARE NAVD 1988
ELEVATIONS BASED UPON THE GPS ELEVATION PUBLISHED
BY NGS AT STATION D 412 1984 OF 5551.19 FEET

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.

NOTE: THIS LAND SURVEY CONTROL DIAGRAM WAS PREPARED FOR USE BY THE CITY OF
LAKEWOOD FOR THE KIPLING AND COLFAX INTERSECTION IMPROVEMENT PROJECT ONLY. TITLE
POLICY, TITLE COMMITMENT WERE NOT PROVIDED FOR THE PREPARATION OF THIS DOCUMENT.
TITLE RESEARCH WAS PROVIDED BY THE CITY OF LAKEWOOD. THIS SURVEYOR RELIED UPON
THE INFORMATION PROVIDED BY THE CITY OF LAKEWOOD IN PREPARATION OF THIS
DOCUMENT. COPIES OF THIS DOCUMENT ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE
AND DATE OF THE SURVEYOR IN RESPONSIBLE CHARGE. THIS IS NOT A COMPLETE SURVEY
OF THE PROPERTIES ADJOINING THE RIGHT OF WAY.

NOTE: PROJECT CONTROL MONUMENTS WERE LOCATED FROM MONUMENTS INCLUDED
IN THE NATIONAL GEODETICE SURVEY (NGS) DATABASE, EXISTING CDOT CONTROL.
THE PROJECT CONTROL MONUMENTS ARE LESS ACCUARATE THAN THE MONUMENTS
IN THE NGS DATABASE OR THE MONUMENTS ESTABLISHED BY CDOT.
THIS SURVEY MEETS THE TOLERANCE FOR A CDOT CLASS B SECONDARY HORIZONTAL
CONTROL SURVEY.

NOTE: COPIES OF THIS DOCUMENT ARE NULL AND VOID WITHOUT THE ORIGINAL
SIGNATURE AND SEAL OF THE SURVEYOR IN RESPONSIBLE CHARGE.

SURVEYOR STATEMENT (LAND SURVEY CONTROL DIAGRAM)

I, Joseph P. Conway, a professional land surveyor licensed in the State of Colorado, do
hereby state to the City of Lakewood that 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.

Joseph P Conway PLS No. 25618 Date



PHONE: (303) 586-5800
390 UNION BOULEVARD
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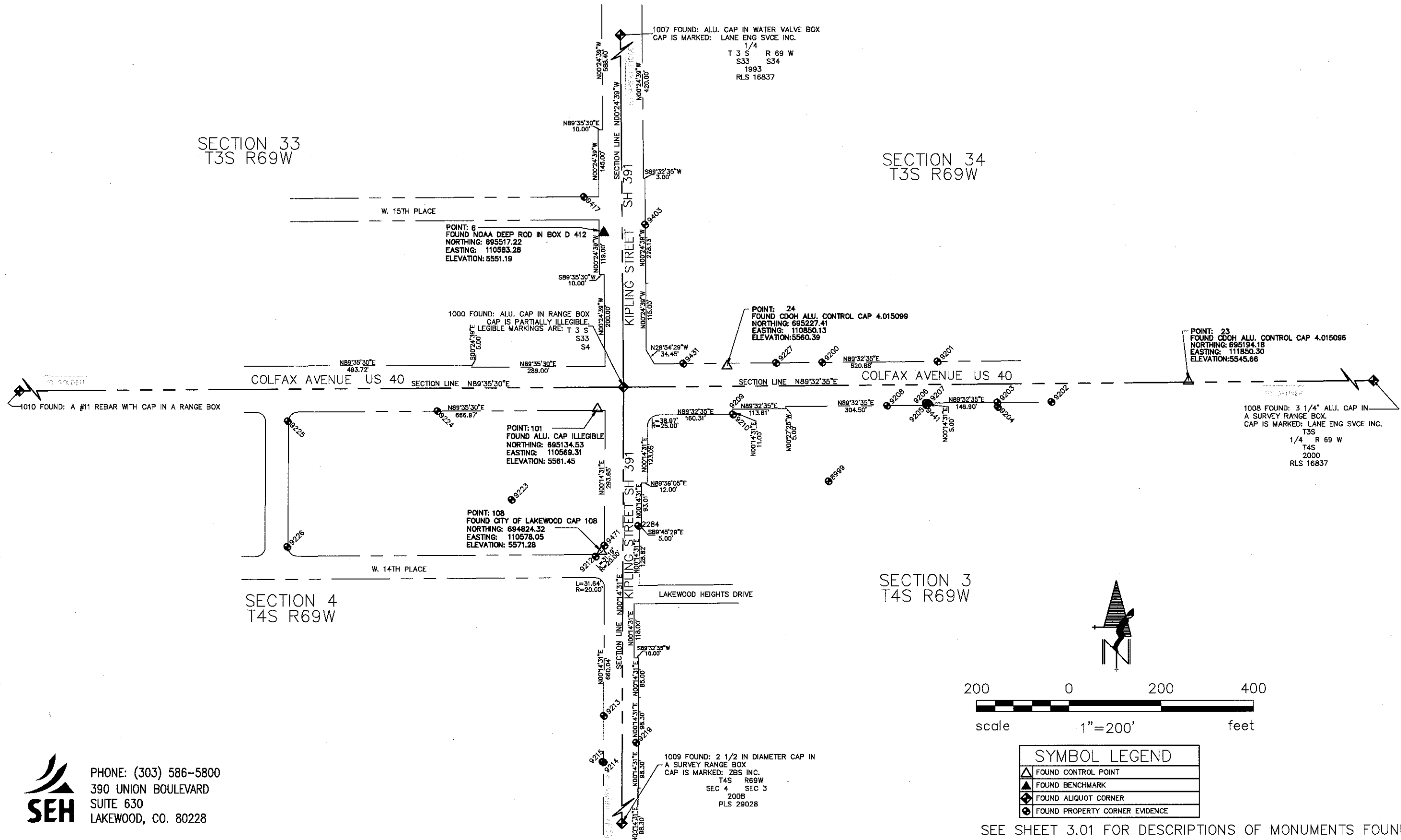
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Land Survey Control Diagram

Project Number: STU M760-021
Project Location: KIPLING / COLFAX
Project Location: SH 391 AND US 40
Project Code: Last Mod. Date
16264 8-28-08
Subset Sheets
RW 3.02 OF 3.02
Sheet No.
RW 3.02



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DEPARTMENT OF PUBLIC WORKS

Sheet Revisions

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Date	Description	Initials

Right of Way Plans

Monumentation Plan Sheet

Project Number: STU M760-021			
Project Location: KIPLING / COLFAX			
Project Location: SH 391 AND US 40			
Project Code: 16264	Last Mod. Date: 6-12-09	Subst Sheets: RW 4.01 of RW 4.01	Sheet No.: RW 4.01

TABULATION OF ROW MARKERS TO BE SET



PNT	NORTHING	EASTING	TY 1	TY 5(S)
500	694114.80	110663.27	1	
501	694121.74	110656.30	1	
502	694409.95	110657.52	1	
503	694592.99	110664.09	1	
505	694711.00	110667.00		1
506	694751.00	110666.46		1
507	694879.71	110670.50	1	
508	694918.35	110683.67	1	
509	694973.34	110683.90	1	
510	694973.34	110681.89	1	
511	695121.53	110862.39		1
512	695125.97	111043.74		1
513	695130.70	111196.39		1
514	695128.92	111286.72	1	
515	695133.62	111436.58	1	
516	695148.12	111436.47	1	
517	694817.80	110564.47	1	
518	694837.76	110573.83		1
519	695101.27	110574.94		1
520	695131.07	110545.27		1
521	695229.31	110296.43		1
522	695229.76	110296.43		1
523	695231.53	110544.95		1
524	695261.20	110575.21		1
525	695529.29	110573.29		1
526	695529.25	110568.29		1
527	695545.25	110568.17		1
528	695238.95	110688.51		1
529	695232.30	110707.40		1
530	694879.70	110673.50	1	
531	694074.70	110651.10		1
532	695126.70	111196.37	1	
TOTAL TY 1			14	
TOTAL TY 5(S)				18

TABULATION OF EASEMENT MARKERS TO BE SET



PNT	NORTHING	EASTING	TY 5	TY 5(S)
300	695635.31	110686.53	1	
301	695535.31	110687.25		1
302	695427.19	110689.52		1
303	695249.01	110694.21		1
304	695243.76	110701.84	1	
305	695244.98	110855.33		1
306	695244.30	110955.33		1
307	695241.08	111055.37		1
308	695240.07	111179.37	1	
309	695236.07	111179.40		1
310	695128.18	110139.46		1
311	695120.18	110139.52	1	
312	695121.22	110285.50		1
313	695120.24	110385.50		1
314	695119.95	110485.50		1
315	695120.15	110485.52	1	
316	695120.55	110541.63		1
317	695098.16	110563.93		1
318	694837.82	110562.83	1	
319	694817.67	110545.08	1	
320	695235.31	110296.39	1	
321	695248.60	110366.27	1	
322	695249.17	110444.33		1
323	695242.19	110496.34	1	
324	695242.49	110540.42		1
325	695266.51	110564.67		1
326	695426.23	110563.52		1
329	695425.71	110492.58		1
330	695463.71	110492.30	1	
331	695464.29	110573.75	1	
332	694074.74	110656.10	1	
333	693941.75	110655.54	1	
334	693941.87	110670.54	1	
335	693901.87	110670.37	1	
336	693901.71	110650.37		1
337	694894.68	110875.60	1	
338	694894.64	110687.56	1	
339	694879.64	110687.50	1	
TOTAL TY 5			19	
TOTAL TY 5(S)				19

SUMMARY QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE									
	1	1A	2	2A	3	3A	4	5	5(S)	6
REFERENCE										
ROW	14								18	
CONTROL										
ALIQUOT CORNER										
PERMANENT EASEMENT								19	19	
PROJECT POINTS										
TOTALS	14							19	37	
WITNESS POST (REQUIRED)										



PHONE: (303) 586-5800
390 UNION BOULEVARD
SUITE 630
LAKEWOOD, CO. 80228

SURVEYOR STATEMENT (ROW PLAN)

I, Joseph P. Conway, a professional land surveyor licensed in the State of Colorado, do hereby state to the City of Lakewood that based upon my knowledge, information and belief, 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.

Joseph P. Conway PLS No. 25618 Date

SURVEYOR STATEMENT (ROW MONUMENTS)

I, _____, a professional land surveyor licensed in the State of Colorado, do hereby state to the City of Lakewood that based upon my knowledge, information and belief, calculations and evaluation of 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. Date



Region 6 Design
2000 South Holly St.
Denver, CO 80222
Phone: (303) 757-9866 FAX: (303) 757-9053

CITY OF LAKEWOOD



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Phone: 303-987-7900 FAX: 303-987-7979
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Sheet Revisions

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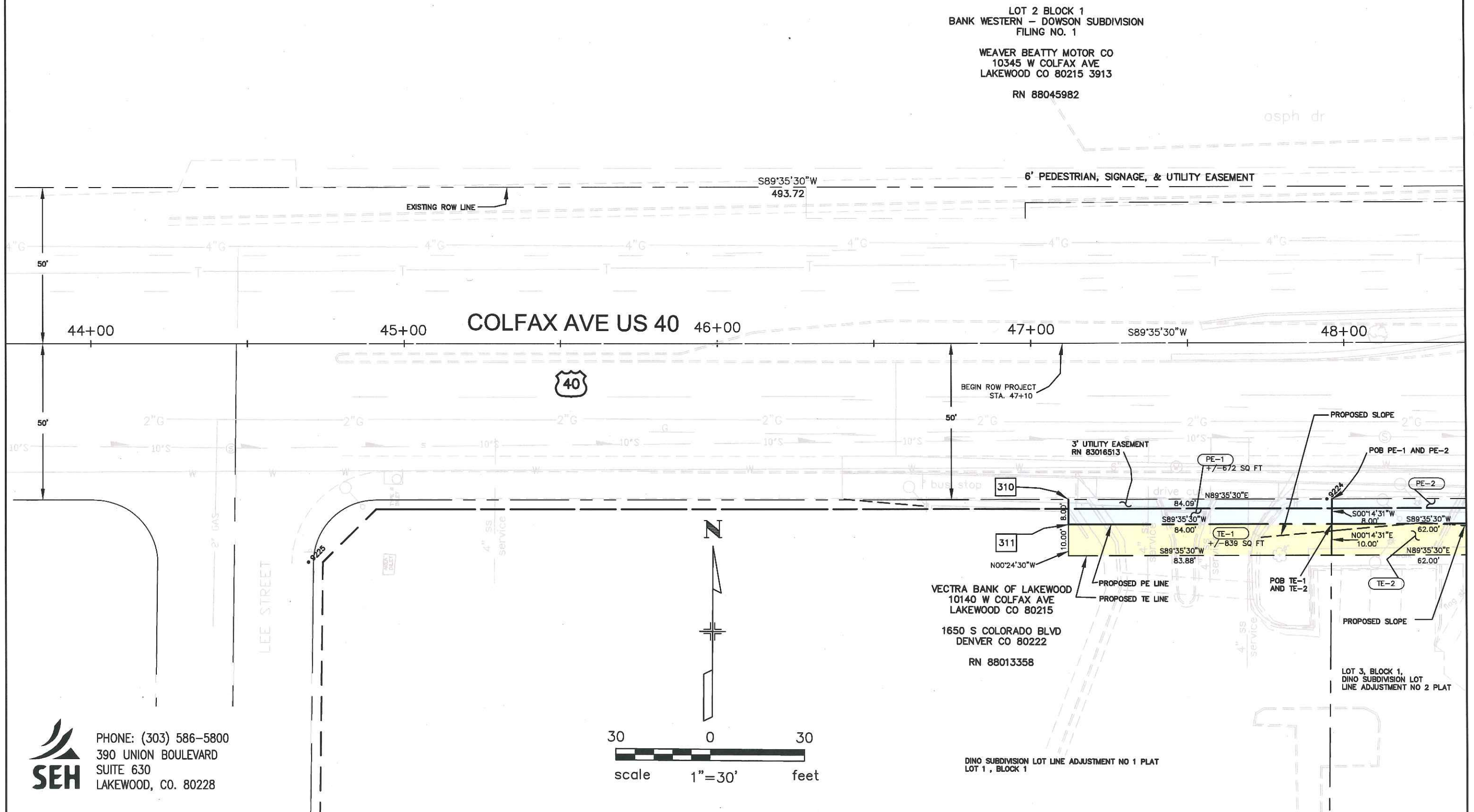
S.H. 391 (KIPLING) AND U.S. 40 (COLFAX)
SECTION 34, TOWNSHIP 3 SOUTH, RANGE 69 WEST
SECTION 3, TOWNSHIP 4 SOUTH, RANGE 69 WEST
CITY OF LAKEWOOD
JEFFERSON COUNTY, COLORADO

RIGHT OF WAY

PLAN SHEET

STU M760-021
KIPLING / COLFAX

Project Code:	16264	Sheet Number	5.01
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LAKEWOOD, CO. 80228



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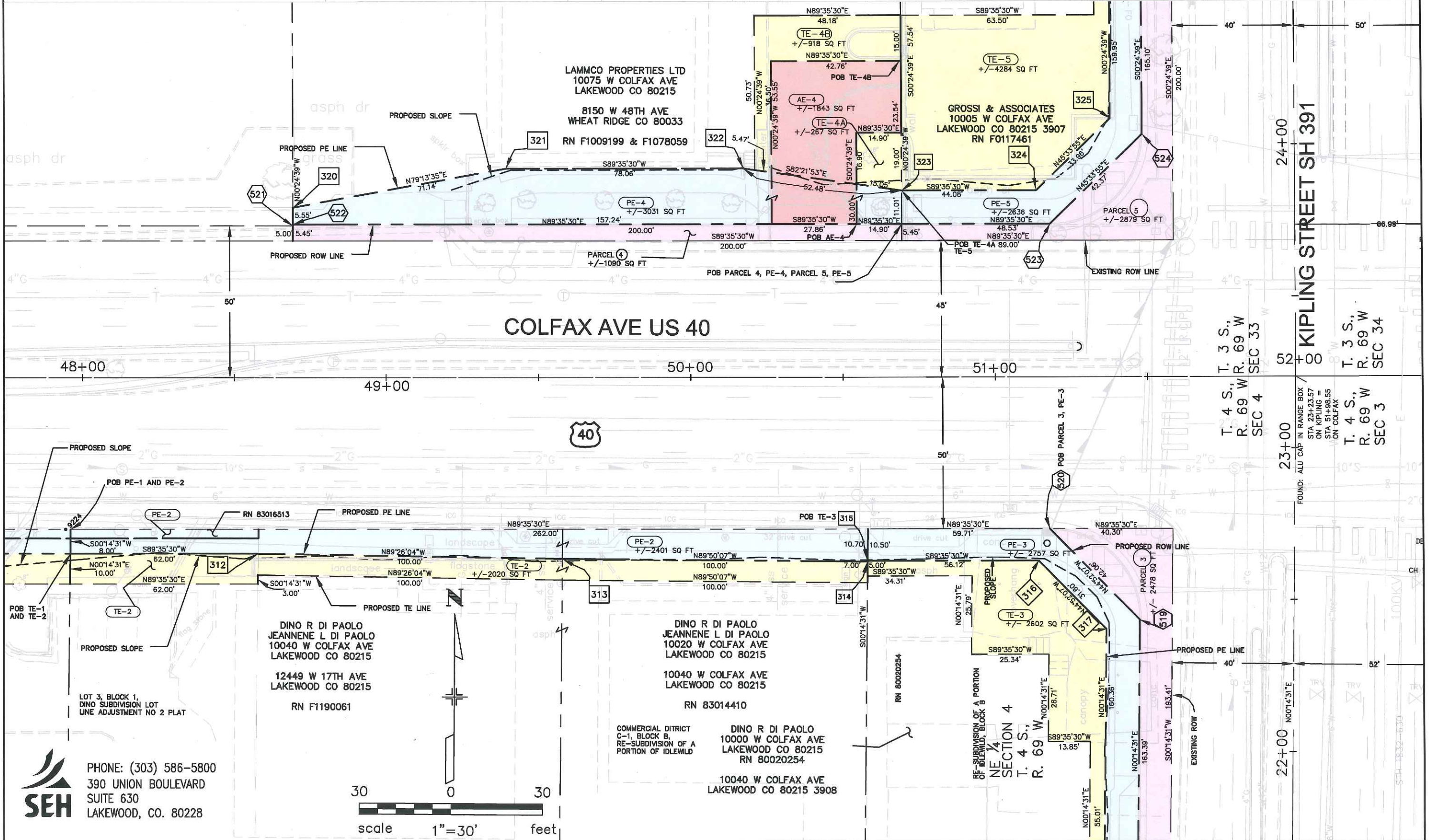


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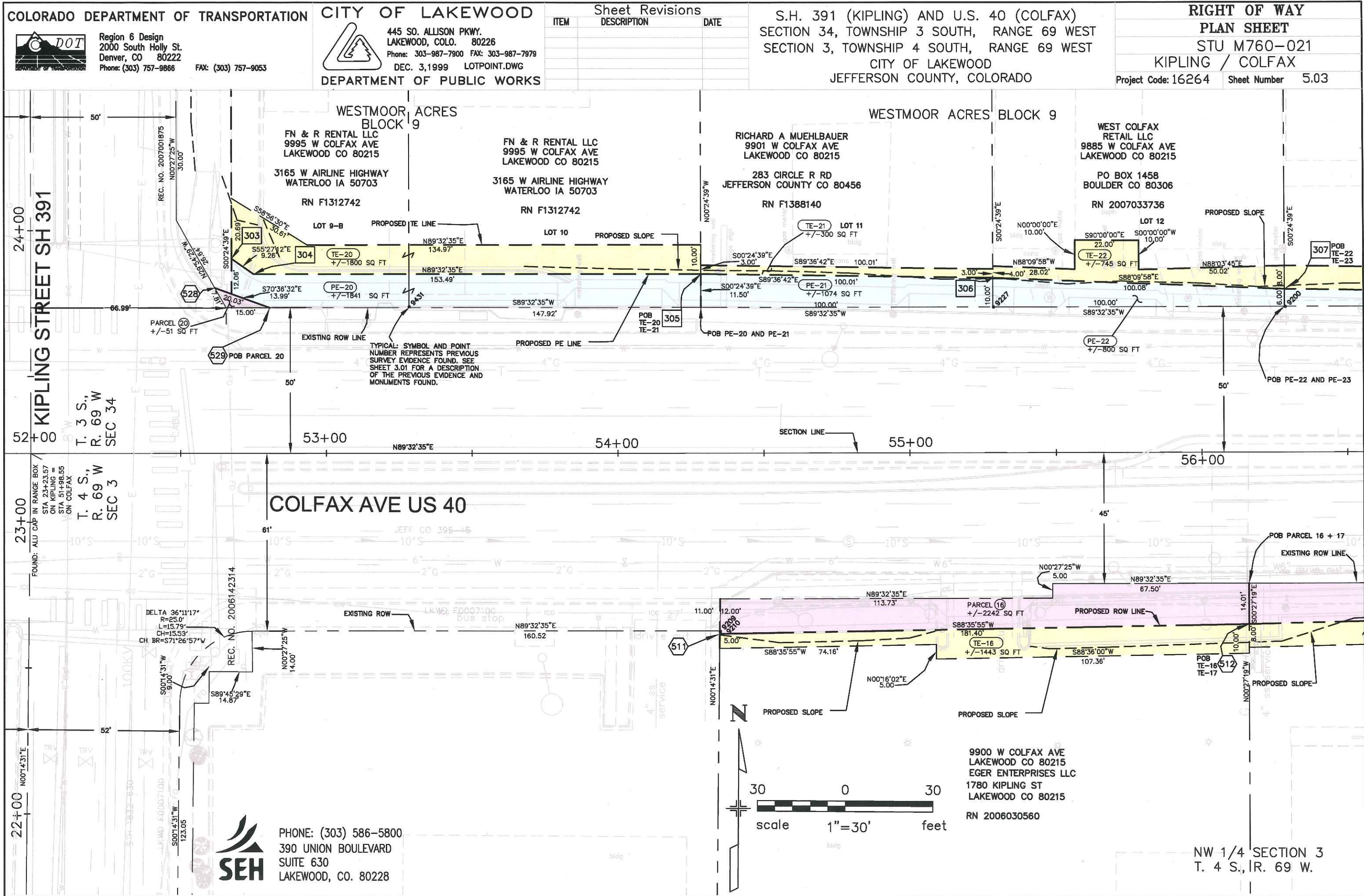
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CITY OF LAKEWOOD
JEFFERSON COUNTY, COLORADO



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RIGHT OF WAY

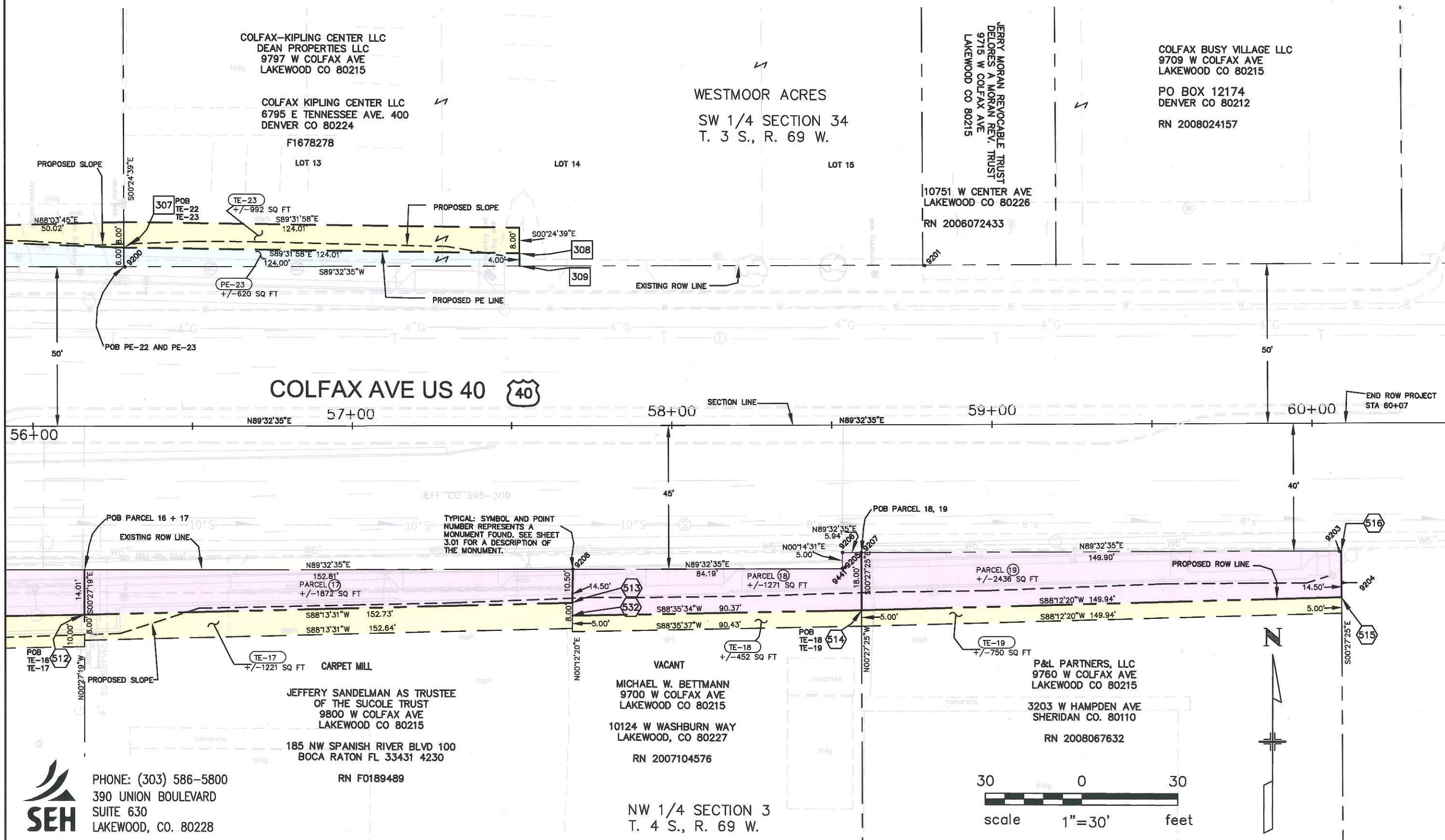
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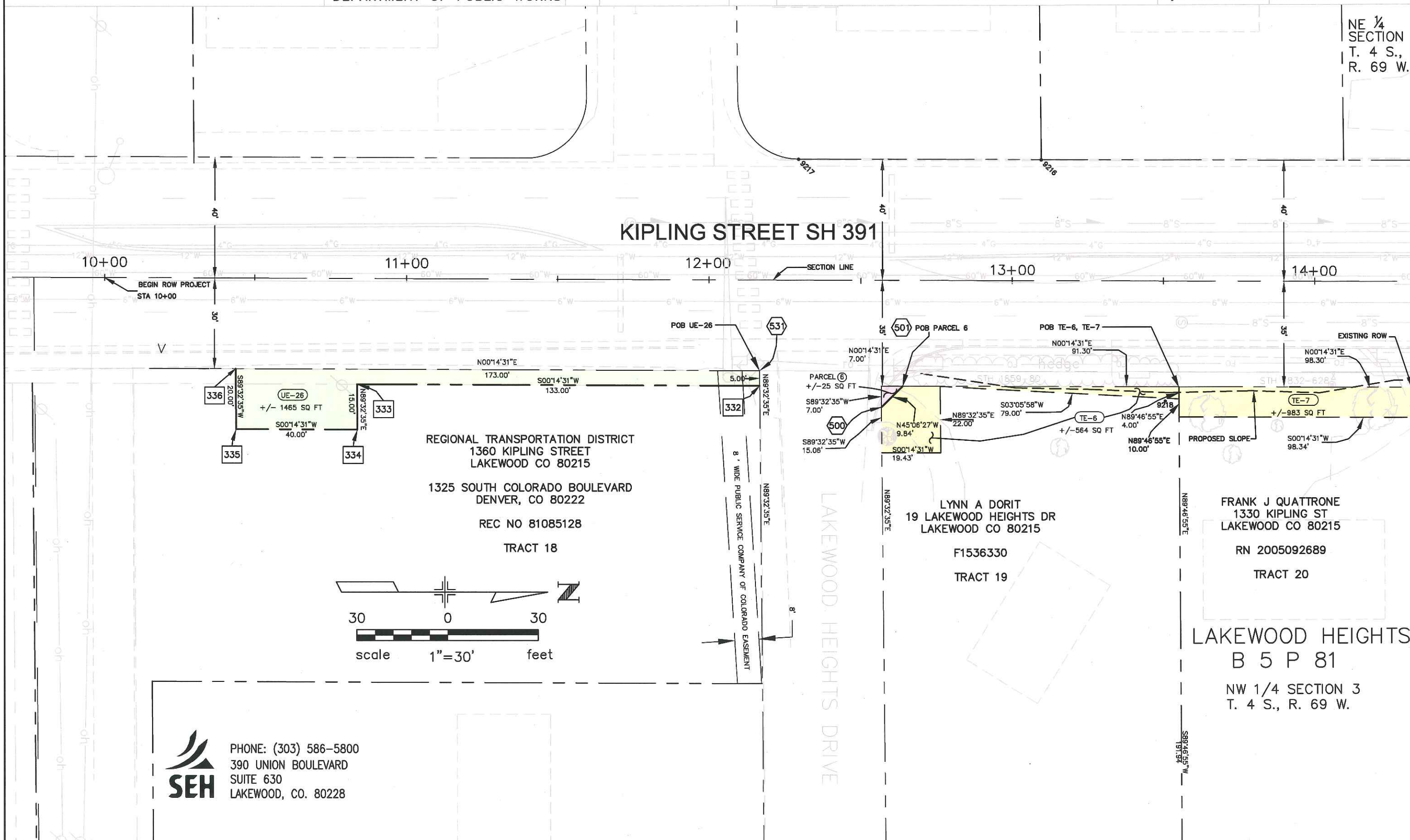
STU M760-021

KIPLING / COLFAX

Project Code: 16264

Sheet Number 5.04





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CITY OF LAKEWOOD
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RIGHT OF WAY

PLAN SHEET

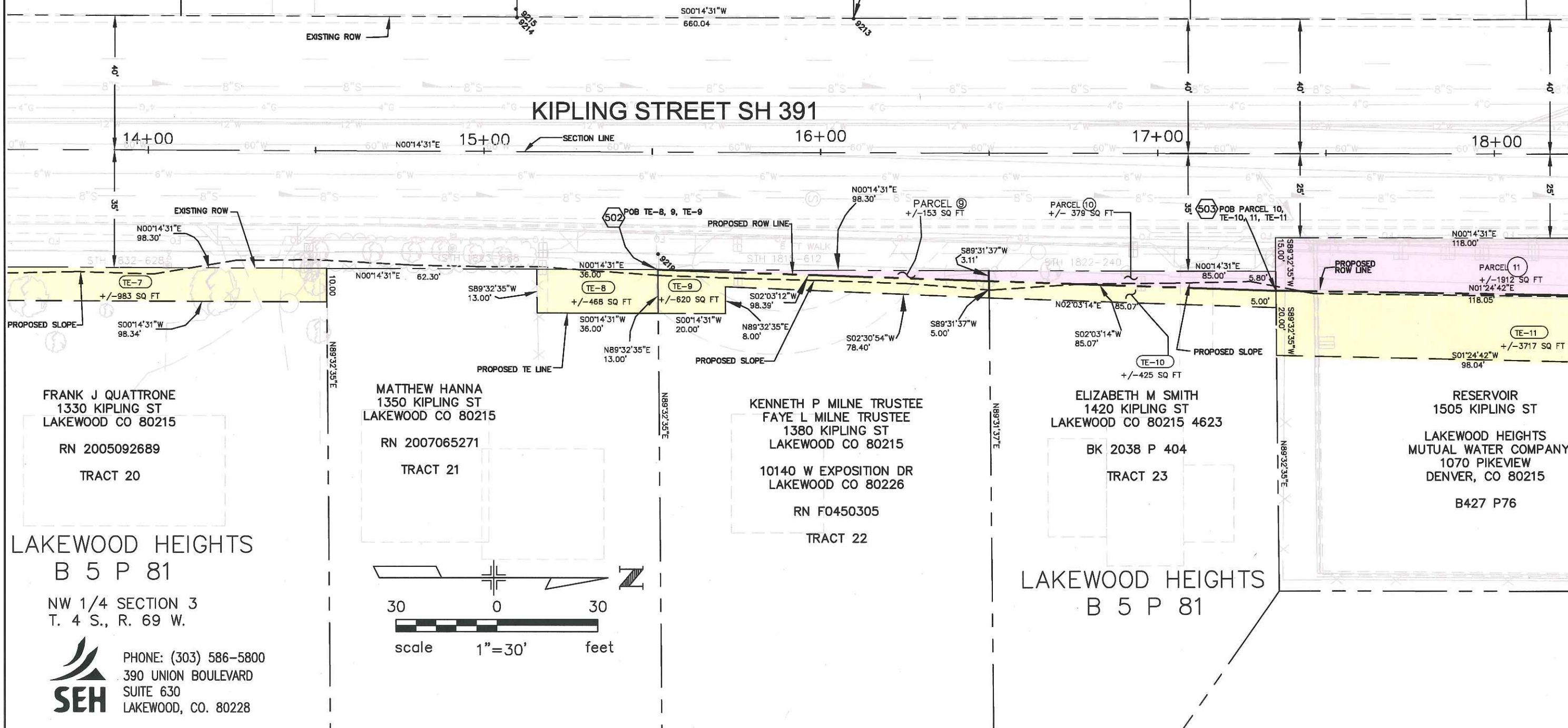
STU M760-021

KIPLING / COLFAX

Project Code: 16264 Sheet Number 5.06

NE 1/4
SECTION 4
T. 4 S.,
R. 69 W.

TYPICAL: SYMBOL AND POINT
NUMBER REPRESENTS PREVIOUS
SURVEY EVIDENCE OR
MONUMENT FOUND. SEE SHEET
3.01 FOR A DESCRIPTIONS OF
THE EVIDENCE AND MONUMENTS
FOUND.



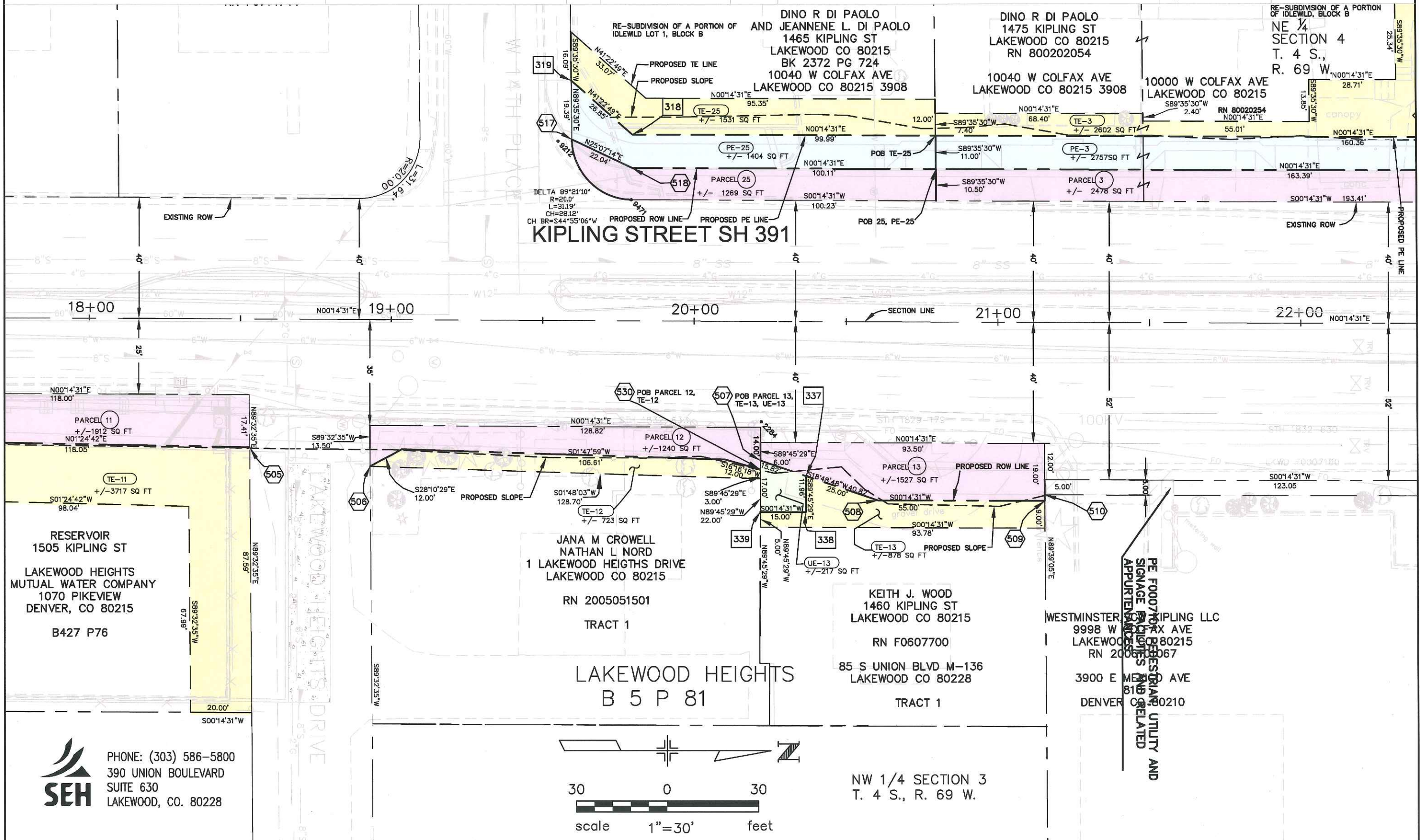


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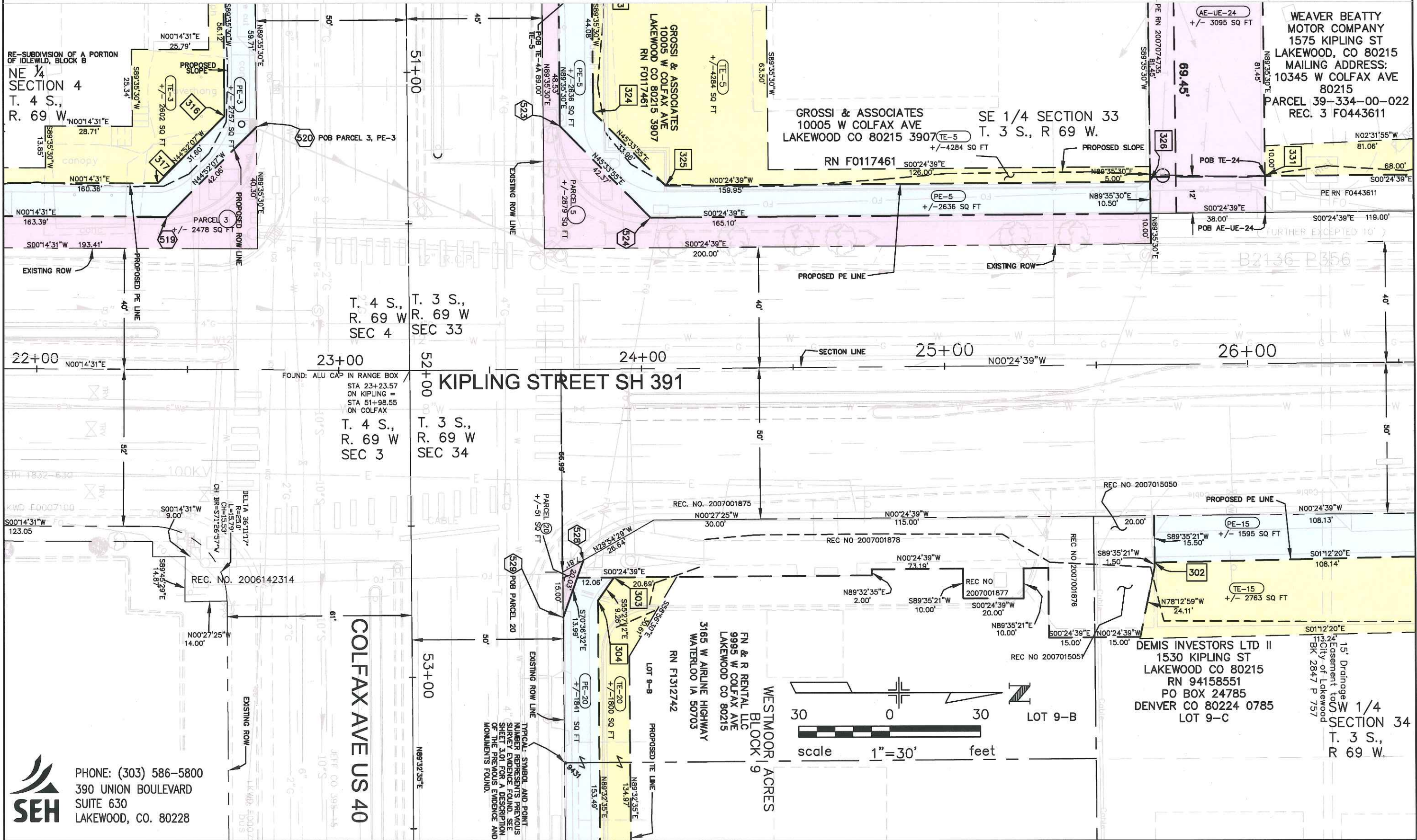


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**RIGHT OF WAY
PLAN SHEET**
STU M760-021
KIPLING / COLFAX
Project Code: 16264 Sheet Number 5.08



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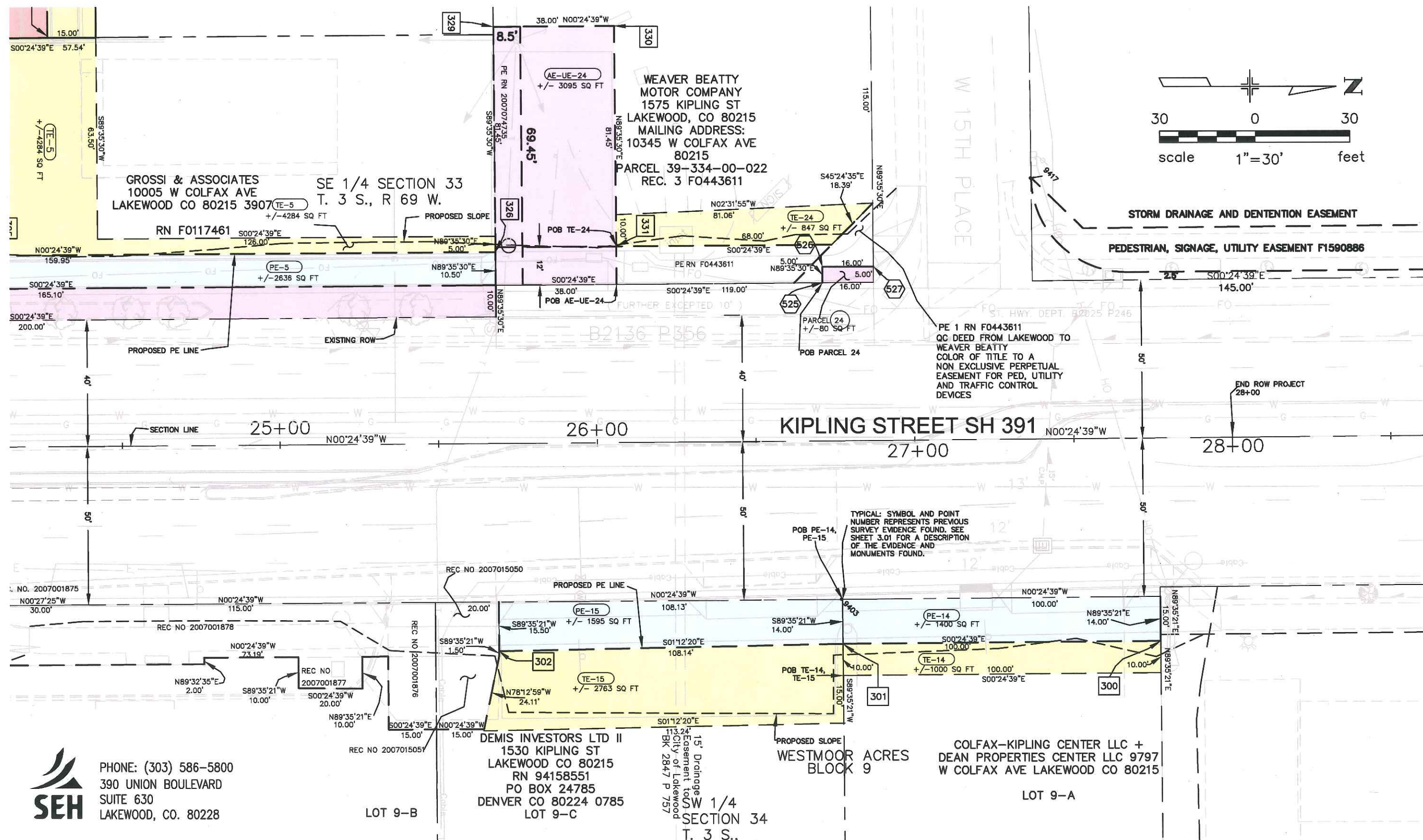
RIGHT OF WAY

PLAN SHEET

STU M760-021

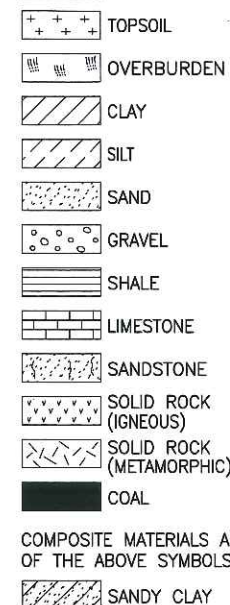
KIPLING / COLFAX

Project Code: 16264	Sheet Number	5.09
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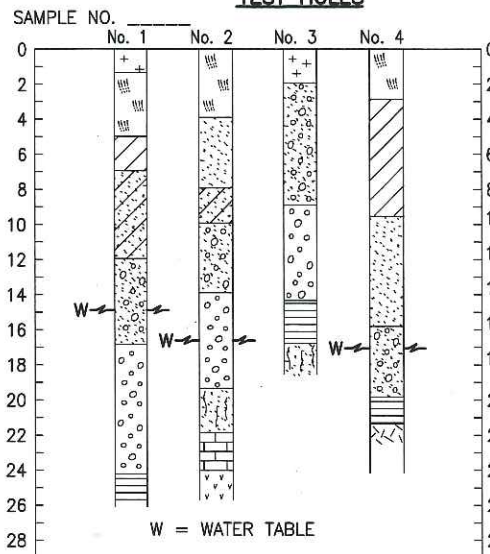
LEGEND



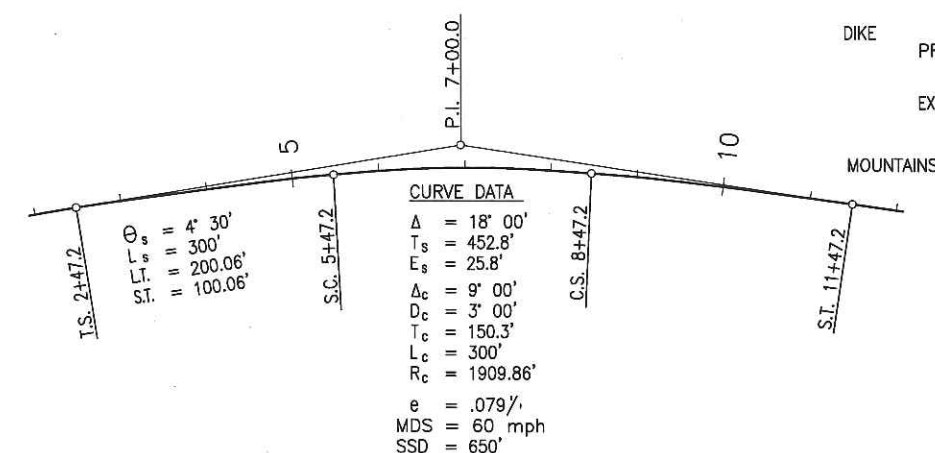
COMPOSITE MATERIALS ARE REPRESENTED BY COMBINATIONS OF THE ABOVE SYMBOLS, SUCH AS:



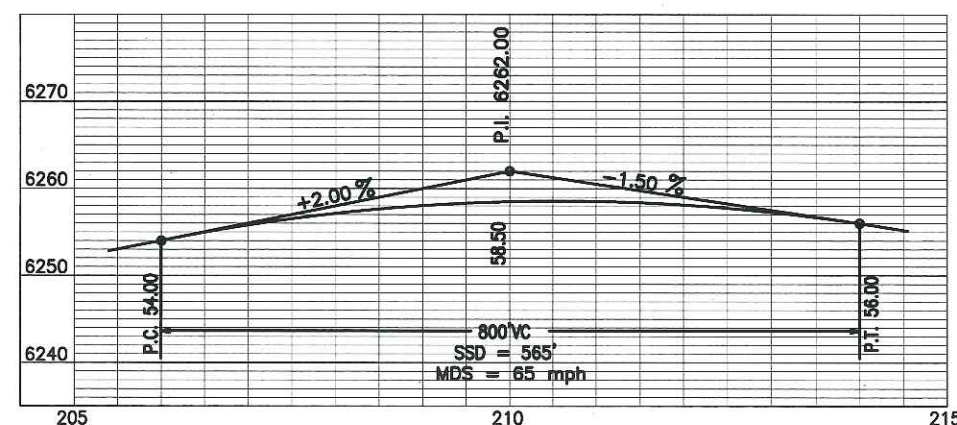
TEST HOLES



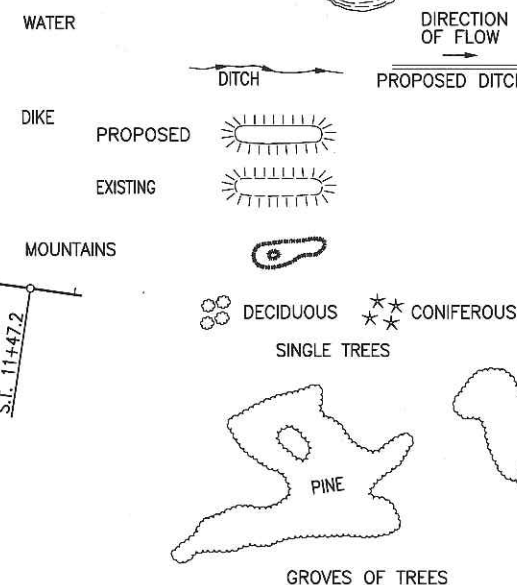
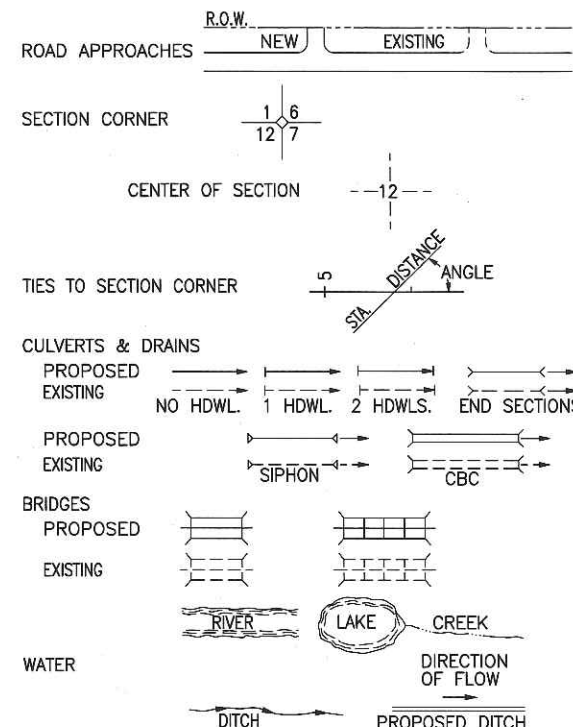
TYPICAL LOG OF PIT



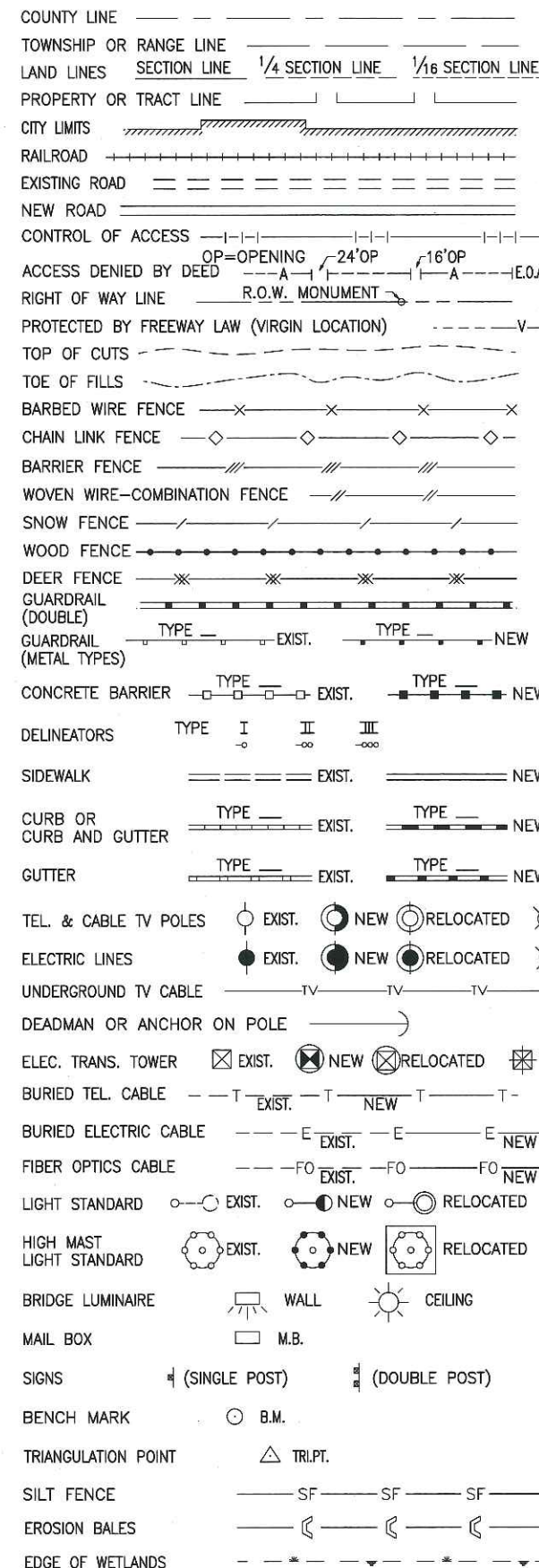
TYPICAL HORIZONTAL CURVE



TYPICAL VERTICAL CURVE

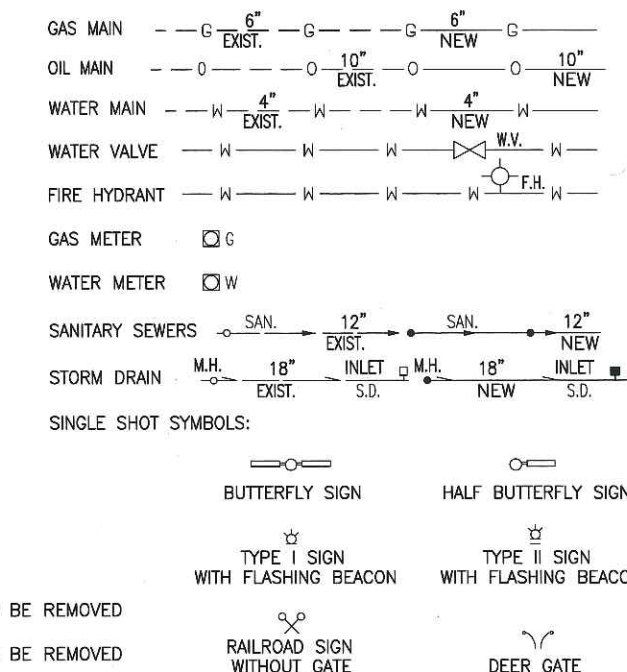


NORTH ARROWS



GENERAL NOTES

- THESE SYMBOLS ARE INTENDED TO EXPLAIN THE VARIOUS TOPOGRAPHIC FEATURES INVOLVED ON THE ROADWAY PLAN SHEETS WHICH ARE PREPARED AT SCALES OF 1 INCH = 50 FEET OR 1 INCH = 100 FEET. NOTES ARE ADDED WHERE NECESSARY TO CLARIFY THE SYMBOL. IF THESE SYMBOLS ARE NOT APPROPRIATE FOR USE WITH OTHER SCALES, A LEGEND IS PROVIDED IN THE PLANS TO EXPLAIN THE SYMBOLS THAT ARE USED.
- GUARDRAIL, CURB & GUTTER, ETC., ARE REPRESENTED BY A SYMBOL WITH TYPE GIVEN BY NOTE.
- EXISTING BUILDINGS AND OTHER MAN-MADE TOPOGRAPHICAL FEATURES NOT SYMBOLED HERE ARE SHOWN BY DASHED LINES WITH EXPLANATORY NOTES AS NECESSARY. NEW FEATURES TO BE CONSTRUCTED ARE SHOWN BY SOLID LINES.



SINGLE SHOT SYMBOLS:

Colorado Department of Transportation



4201 East Arkansas Avenue
Denver, Colorado 80222
Phone: (303) 757-9083 FAX: (303) 757-9820

Project Development Branch

SD

Computer File Information

Path: www.dot.state.co.us/DevelopProjects/DesignSupport/MSStandards/

Drawing File Name: 100010101.dwg

Acad Version: R14 Scale: NA Units: English

Standard Plan Revised

Date: Comments:

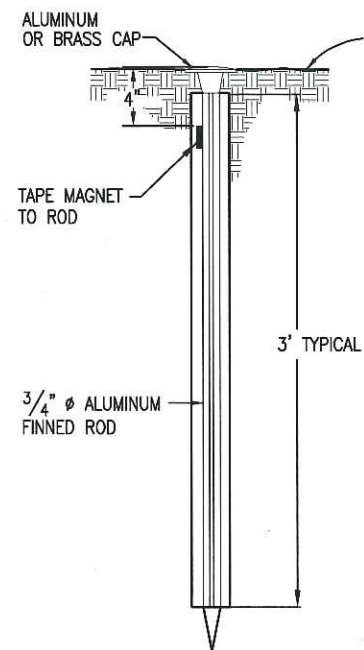
STANDARD
SYMBOLS

Issued By: Project Development Branch October 1, 2000

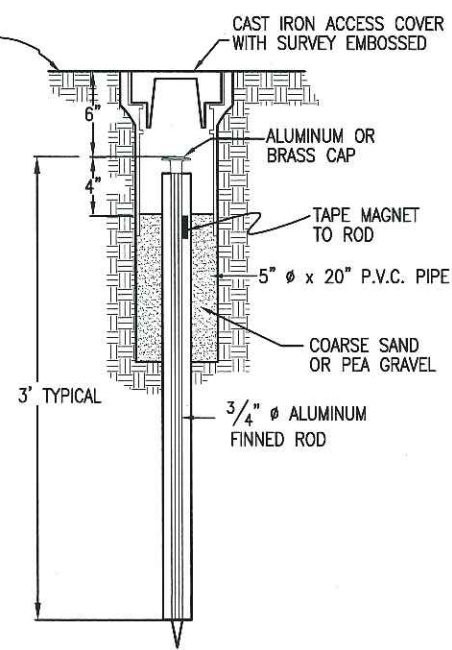
STANDARD PLAN NO.

M-100-1

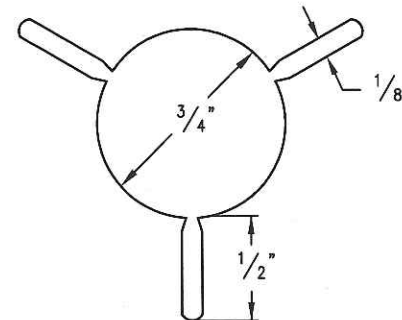
Sheet No. 1 of 1



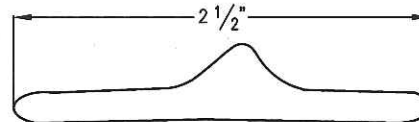
TYPE 1 MONUMENT



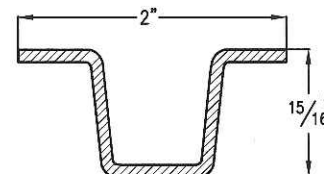
TYPE 1A MONUMENT
INCLUDES MONUMENT BOX



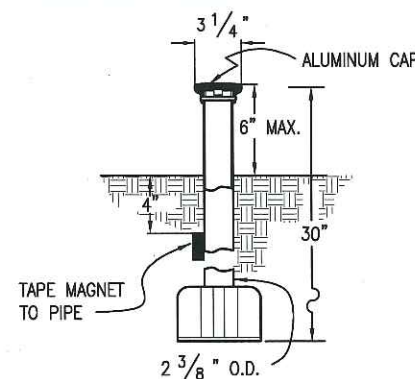
SECTION A-A



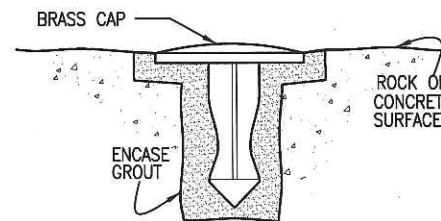
SECTION B-B



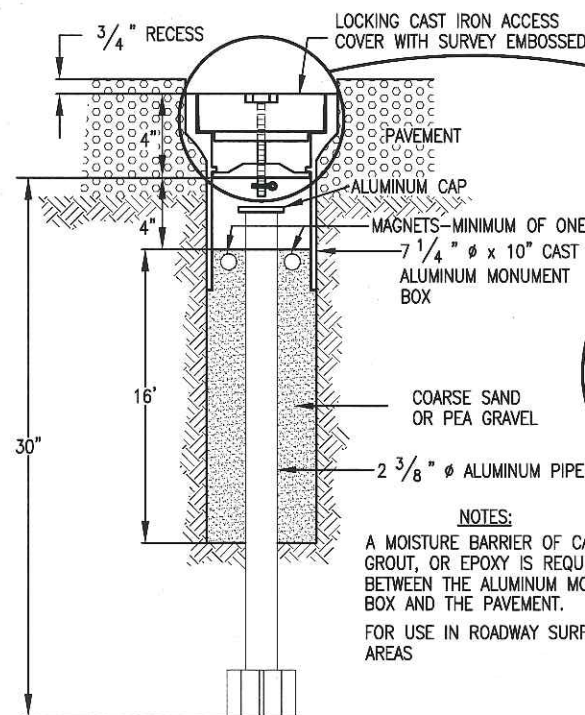
DELINEATOR POST
SECTION C-C



TYPE 3 MONUMENT

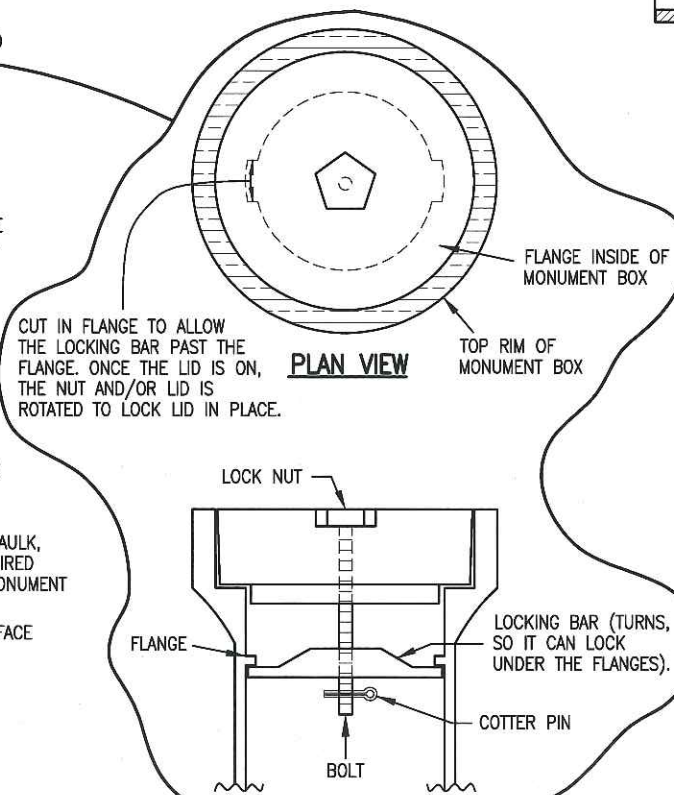


TYPE 5 MONUMENT
ALUMINUM CAP AND TYPE 5(S)
DETAILS SHOWN ON SHEET 2

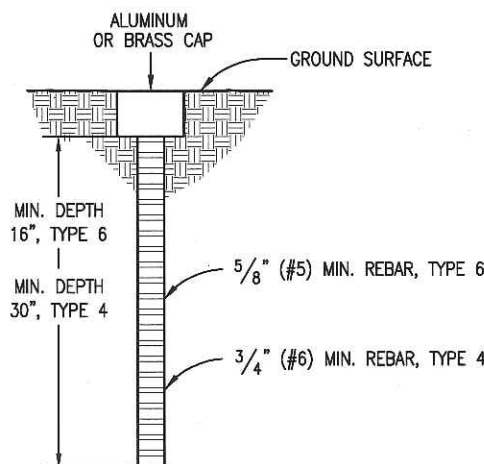


TYPE 3A MONUMENT

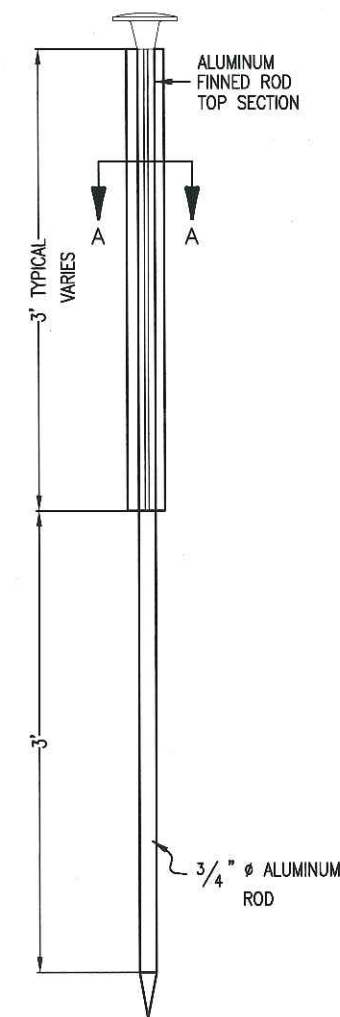
ROADWAY INSTALLATION
INCLUDES MONUMENT BOX



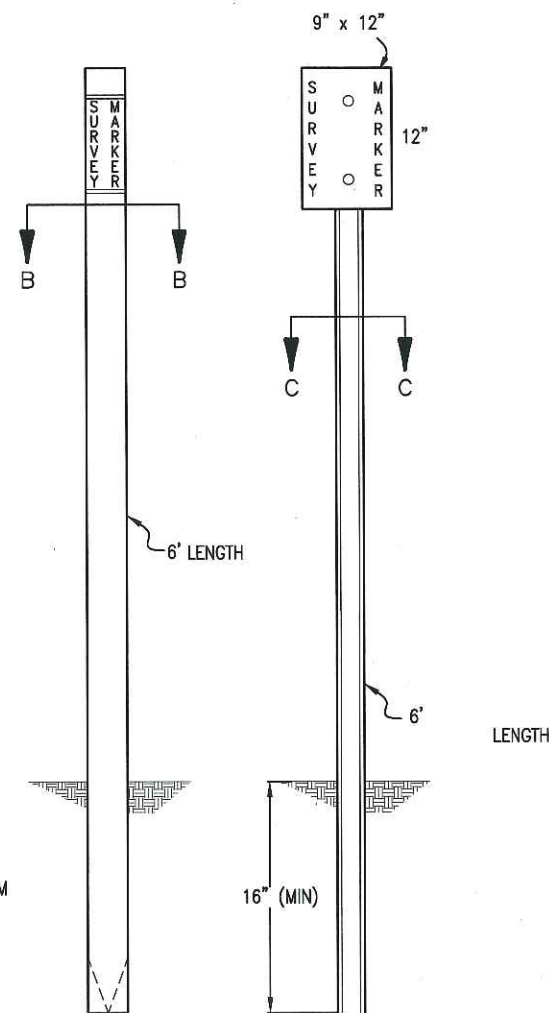
LOCKING CAST IRON ACCESS COVER



TYPE 4 AND TYPE 6 MONUMENT



TYPE 2 MONUMENT
TYPE 2A INCLUDES MONUMENT BOX



WITNESS POSTS

Colorado Department of Transportation



4201 East Arkansas Avenue
Denver, Colorado 80222
Phone: (303) 757-9083 FAX: (303) 757-9820

Project Development Branch

SRJ

Computer File Information

Path: www.dot.state.co.us/DevelopProjects/DesignSupport/MStandards/

Drawing File Name: 629010102.dwg

Acad Version: R14 Scale: NA Units: English

Standard Plan Revised

Date:

Comments:

09/23/04

Added Type 5(S),
Revised the Minimum Depth
for Type 4 and Type 6 Monuments

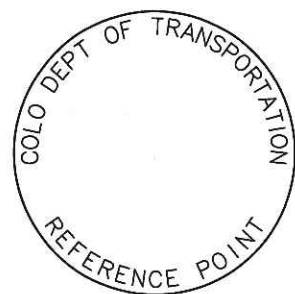
**SURVEY
MONUMENTS**

Issued By: Project Development Branch October 1, 2000

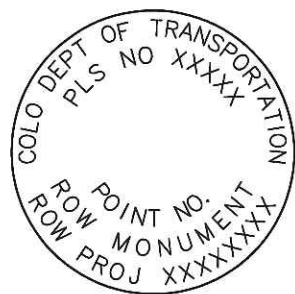
STANDARD PLAN NO.

M-629-1

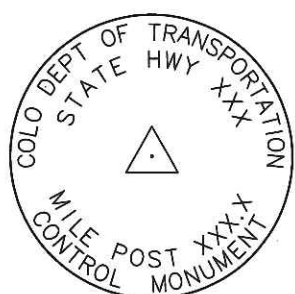
Sheet No. 1 of 2



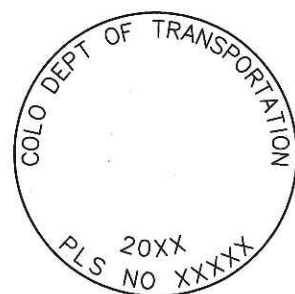
REFERENCE
MONUMENT CAP



ROW
MONUMENT CAP



CONTROL
MONUMENT CAP

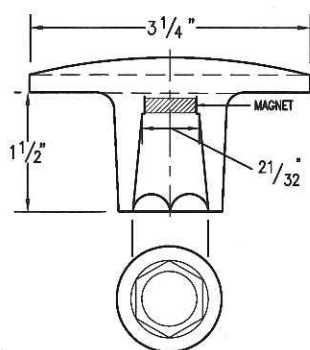


ALIQUT CORNER
MONUMENT CAP

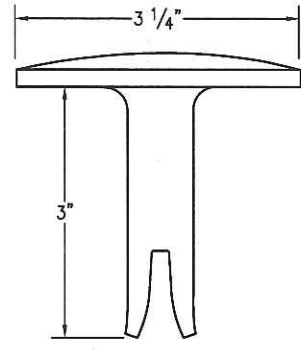


ALUMINUM CAP

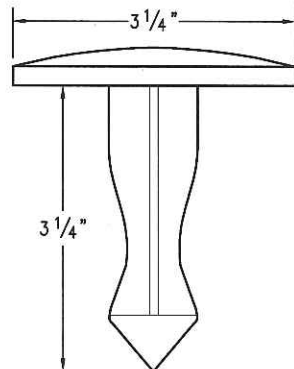
NOTE: A BLANK CAP MAY BE SUBSTITUTED IF THE APPROPRIATE CAP SHOWN ABOVE IS NOT AVAILABLE. IF A BLANK CAP IS USED, ALL INFORMATION NORMALLY INCLUDED ON THE APPROPRIATE STANDARD CAP, SHALL BE STAMPED ON THE BLANK CAP ALONG WITH SPECIFIC PROJECT INFORMATION SUCH AS PROJECT NO., DATE, POINT NO., ETC..



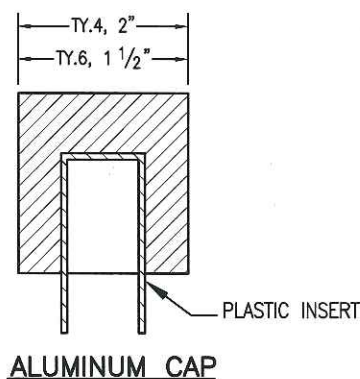
ALUMINUM CAP
USED WITH ALUMINUM ROD



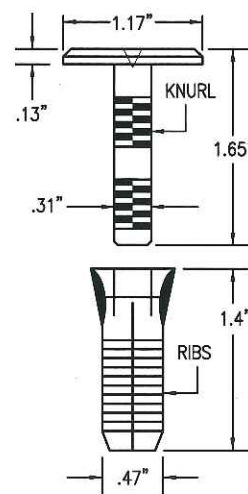
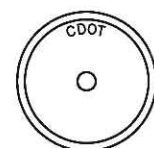
ALUMINUM CAP
TYPE 5
FOR PLACING IN EXISTING
CONCRETE OR ROCK



BRASS CAP
TYPE 5
FOR PLACING IN EXISTING
CONCRETE OR ROCK



ALUMINUM CAP



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

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 ALIQUOT CORNER MONUMENT. WHEN USED AS AN ALIQUOT 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 INCH LONG X 3/4 INCH 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 FOOT SECTION OF FINNED ROD. WHEN SUBSURFACE ROCK OR CONCRETE IS ENCOUNTERED LESS THAN 3 FEET BELOW THE GROUND SURFACE, THE ROD SHALL BE EMBEDDED IN THE ROCK OR IN CONCRETE AT LEAST 6 INCHES WITH A GROUT MATERIAL. 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 REQUIRED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY.

TYPE 2 AND TYPE 2A ALUMINUM FINNED ROD MONUMENTS

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

THE MONUMENT SHALL BE INSTALLED BY FIRST ATTACHING THE PROPER SIZE TIP TO A 3 FOOT LONG X 3/4 INCH DIA. ROD, THEN DRIVING THE ROD AT LEAST 30 INCHES INTO THE GROUND. ADDITIONAL 3 FOOT LONG X 3/4 INCH FINNED ROD SECTIONS ARE ADDED AND DRIVEN FLUSH WITH THE GROUND UNTIL THE MONUMENT IS IN A STABLE POSITION. THE FINNS 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 REQUIRED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY.

TYPE 3 AND TYPE 3A ALUMINUM PIPE MONUMENTS

THIS MONUMENT SHALL BE USED FOR AN ALIQUOT 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 REQUIRED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY.

TYPE 4 ALUMINUM MONUMENT

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

TYPE 5 BRASS/ALUMINUM CAP MONUMENT

THIS MONUMENT CAN BE USED 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 USED 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 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 INCHES, SHALL BE USED ON 5/8 INCH (#5) MINIMUM REBAR.

* WITNESS POSTS

THE WITNESS POST WILL BE SUPPLIED BY CDOT AND INSTALLATION SHALL BE INCLUDED IN THE WORK. IT SHALL BE DRIVEN WITHIN 1 FOOT OF THE MONUMENT WHEN POSSIBLE. A DELINEATOR POST WITH A 9 INCH X 12 INCH 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.

MONUMENT APPLICATION

CAP TYPE	MONUMENT TYPE									
	1	1A	2	2A	3	3A	4	5	5(S)	6
REFERENCE	X	X						X	X	X
ROW	X	X						X	X	
CONTROL			X	X				X	X	
ALIQUT CORNER	X	X			X	X	X	X		
PERMANENT EASEMENT								X	X	X
PROJECT POINTS								X	X	X
WITNESS POST * (REQUIRED)	X		X	X	X			X		

Colorado Department of Transportation



4201 East Arkansas Avenue
Denver, Colorado 80222
Phone: (303) 757-9083 FAX: (303) 757-9820

Project Development Branch

SRJ

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Acad Version: R14 Scale: NA Units: English

Standard Plan Revised

Date: Comments:

09/23/04

Added Type 5(S),
Revised General Notes,
Added Type 1 for Aliquot Monuments

SURVEY
MONUMENTS

Issued By: Project Development Branch October 1, 2000

STANDARD PLAN NO.

M-629-1

Sheet No. 2 of 2