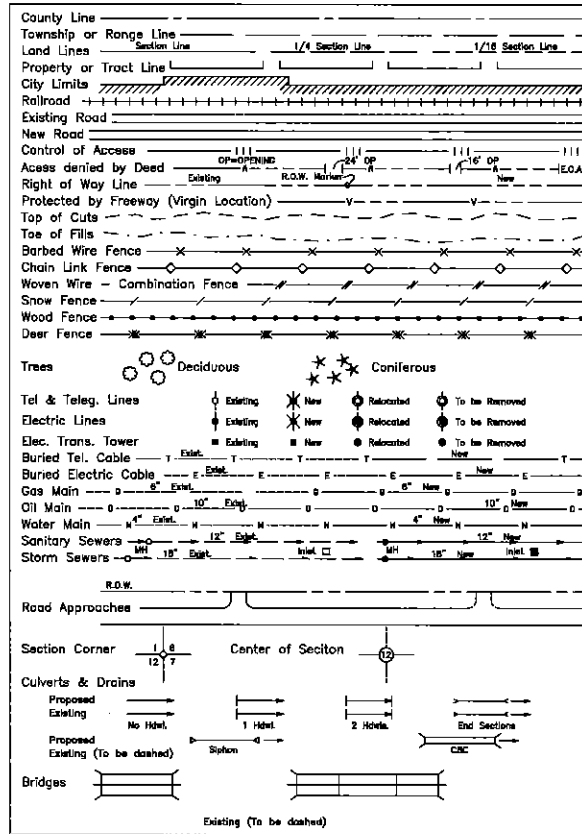







CONVENTIONAL SIGNS



NOTE:

CDOT=COLORADO DEPARTMENT OF TRANSPORTATION.

BASIS OF BEARINGS

For the purpose of this project the bearings are based on a line connecting the East 1/4 corner of Section 11, Township 2 South, Range 69 West of the 6th Principal Meridian (3 1/4" Alum Cap stamped "LS 23899") and the SE corner of Section 11, Township 2 South, Range 69 West of the 6th Principal Meridian (2 1/2" Alum Cap Stamped "LS 5239") as bearing South 00°18'03" West.

E 1/4 CORNER SEC 15  
FOUND 3 1/4" ALUM CAP  
"LS 23899"

SE CORNER SEC. 15  
FOUND 2 1/2" ALUM CAP  
IN RANGE BOX  
"LS 5239"

East Line SE 1/4 Section 11  
S 00°18'03" W

DEPARTMENT OF TRANSPORTATION

STATE OF COLORADO

RIGHT-OF-WAY PLAN OF PROPOSED

0361-077

U.S. HIGHWAY 36 UNDERPASS AT MANDALAY TOWNCENTER

JEFFERSON COUNTY

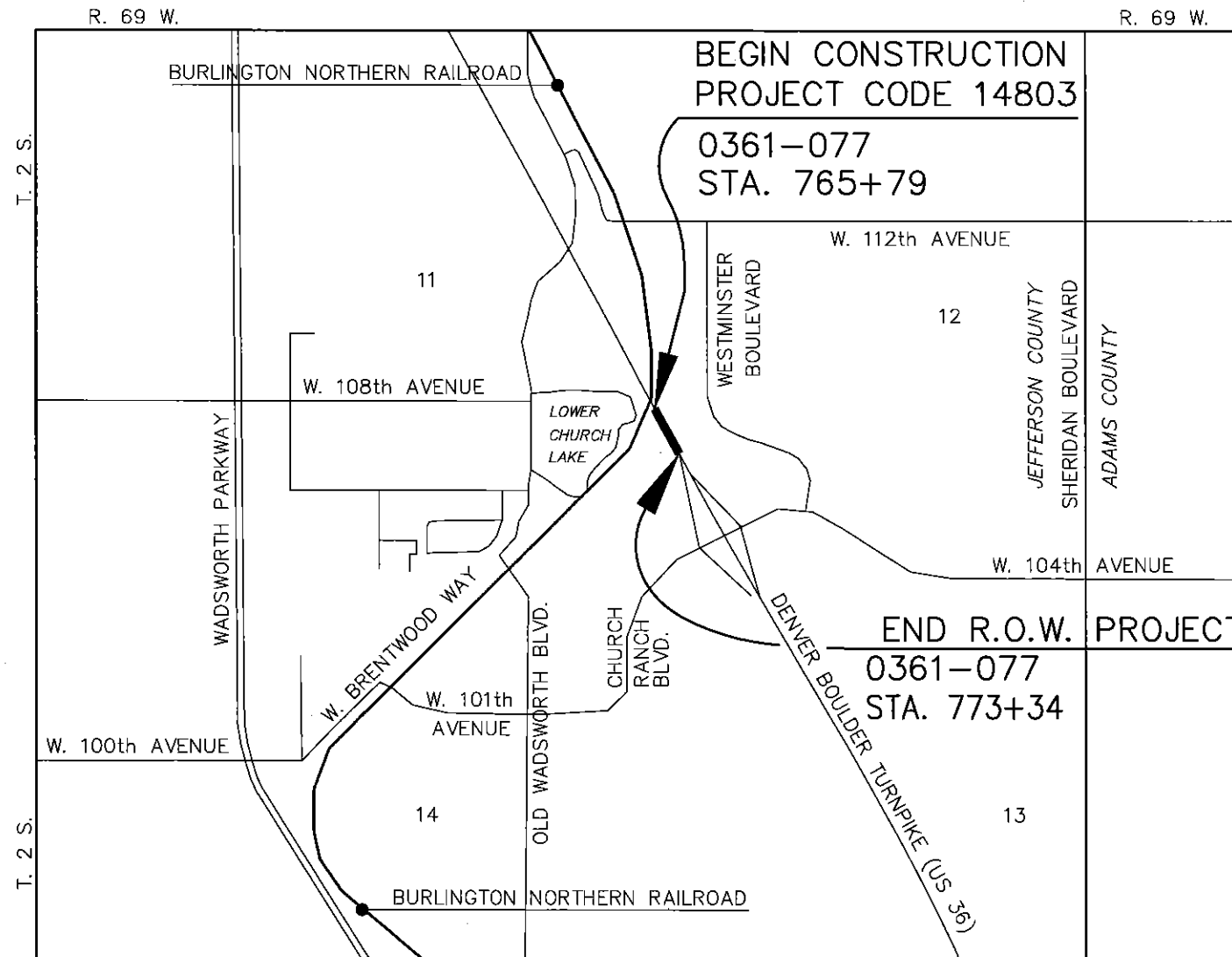
RIGHT-OF-WAY

INDEX OF SHEETS

1	Title Sheet
2	Tabulation of Properties
3	Control Diagram
4	Monumentation Sheet
5 - 6	Plan Sheet
7	Ownership Map

SCALES OF ORIGINAL DRAWINGS

PLAN SHEETS 1" = 60'  
OWNERSHIP MAP 1" = 200'  
LENGTH OF PROJECT 0.14 MILES



REGION VI PLAN APPROVAL BLOCK

These Right-of-Way plans have been reviewed & appear to meet minimum Federal Standards.

NAME \_\_\_\_\_ DATE \_\_\_\_\_

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Region 6

RIGHT OF WAY PLANS

Sheet Revisions

NO.	DATE	DESCRIPTION



**AzTEC CONSULTANTS, inc.**

8000 S. Lincoln Street, Unit 5  
Littleton, Colorado 80122  
Phone: (303)713-1898 Fax: (303)713-1897

U.S. HIGHWAY 36 UNDERPASS AT MANDALAY TOWNCENTER

SURVEY CONTROL DIAGRAM

0316-077

RIGHT-OF-WAY

PROJECT CODE: 14803 SHEET NUMBER: 3

DEPARTMENT OF TRANSPORTATION  
CITY OF WESTMISTER  
SURVEY CONTROL DIAGRAM  
U.S. HIGHWAY 36 UNDERPASS AT MANDALAY TOWNCENTER

CDOT PROJECT NUMBER SHE 0361-077

LOCATED WITHIN THE SOUTHEAST QUARTER OF SECTION 11, TOWNSHIP 2 SOUTH, RANGE 69 WEST, 6th P.M.

Colorado North Zone State Plane Coordinate Control List (metric)

PNT	LATITUDE	LONGITUDE	HEIGHT	CONV.
	39°53'36.07977N	105°04'37.90258W	1612.827	0°16'23
3	39°53'28.41865N	105°04'32.37709W	1614.652	0°16'27
5	39°53'19.83031N	105°04'27.62318W	1607.159	0°16'30
25	39°53'24.98954N	105°04'19.23160W	1606.506	0°16'36
26	39°53'15.35762N	105°04'16.06741W	1609.427	0°16'38
8	39°53'31.43425N	105°04'31.10350W	1622.665	0°16'28

Local Coordinate System Control List (US Feet)

PNT	LOCAL COORDINATE SYSTEM		NGVD29	DESCRIPTION
	NORTHING	EASTING	ELEV	
	1204631.86	3119508.69	5345.84	AERIAL TARGET 1 AZTEC P&C
3	1203858.52	3119943.19	5351.84	AERIAL TARGET 3 AZTEC P&C
5	1202991.05	3120318.01	5327.27	AERIAL TARGET 5 AZTEC P&C
25	1203516.37	3120969.75	5325.17	AERIAL TARGET 25 AZTEC P&C
26	1202542.68	3121221.17	5334.76	AERIAL TARGET 26 AZTEC P&C
8	1204164.21	3120041.02	5378.14	JEFFCO REF MON 8 (NGS BM #8)

Local Coordinate System Aliquot Section Corner List (US Feet)

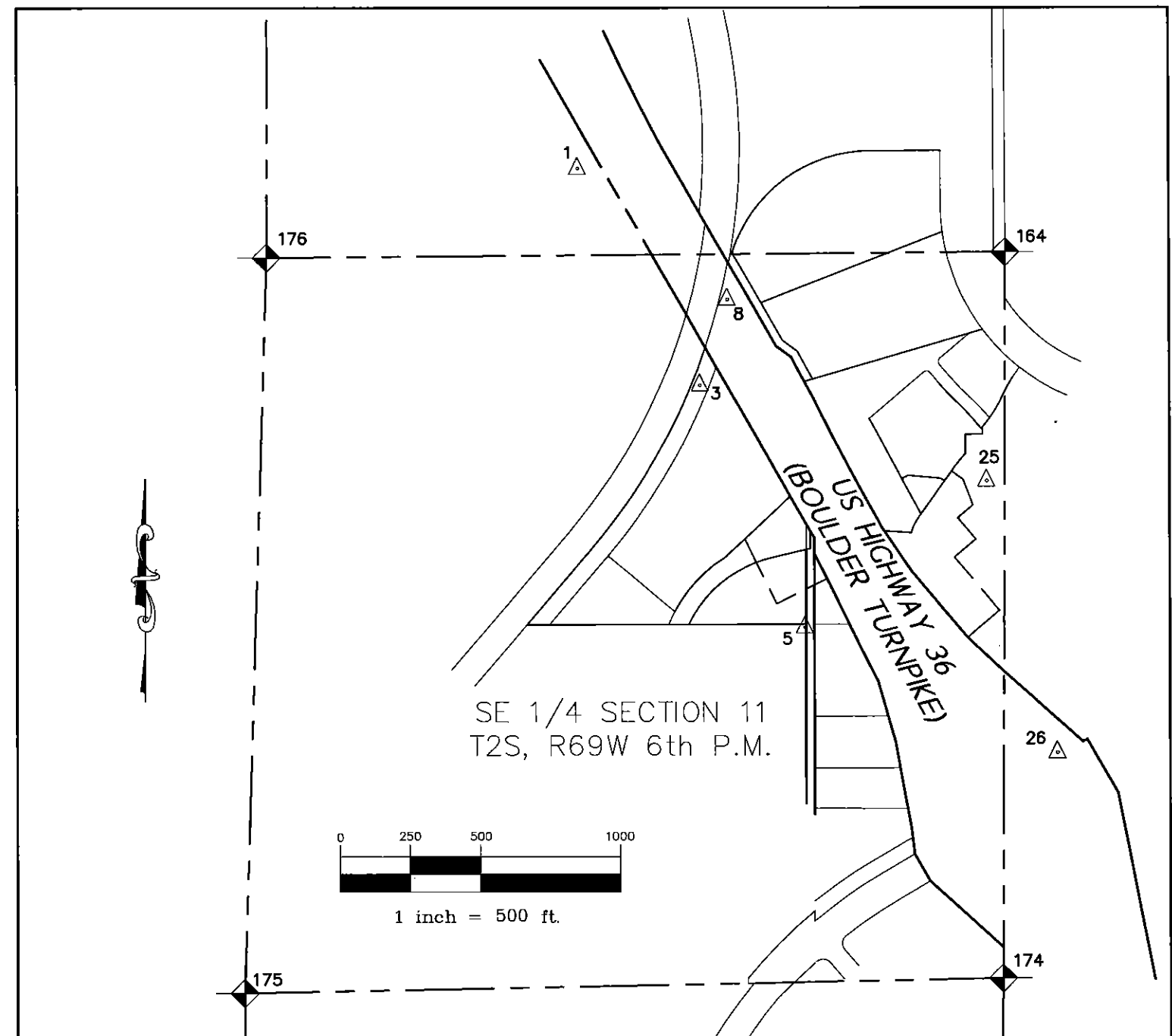
PNT	LOCAL COORDINATE SYSTEM		NGVD29	DESCRIPTION
	NORTHING	EASTING	ELEV	
174	1201737.107	3121024.191	5315.430	SE COR. SEC. 11 LS LS 5239 2.50IN ALUM
164	1204332.757	3121037.821	5337.015	E 1/4 COR. SEC. 11 LS 23899 3.25IN ALUM
176	1204313.455	3118391.911	5345.446	C 1/4 COR. SEC. 11 LS 13155 3.25IN ALUM
175	1201684.022	3118310.618	5321.797	S 1/4 COR. SEC. 11 LS 22097 2.50IN ALUM

BASIS OF BEARINGS:

For the purpose of this project the bearings are based on a line connecting the East 1/4 corner of Section 11, Township 2 South, Range 69 West of the 6th Principal Meridian (3 1/4" Alum Cap stamped "LS 23899") and the SE corner of Section 11, Township 2 South, Range 69 West of the 6th Principal Meridian (2 1/2" Alum Cap Stamped "LS 5239") as bearing South 00°18'03" West.

BASIS OF ELEVATIONS: Vertical Datum for this project is based on NGS point B. The NGVD 1929 elevation of this point is 1639.496 meters.

COORDINATE TRANSFORMATION: Project coordinates are modified Colorado North Zone State Plane Coordinates. The combined elevation and scale factor used to modify the coordinates is 0.999701098683. Project coordinates are derived from State Plane using the following formulas:  
 LOCAL NORTHING (m) = (STATE PLANE NORTHING (m) + 4.57) ÷ CGF  
 LOCAL EASTING (m) = (STATE PLANE EASTING (m) + 1.98) ÷ CGF



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**FOUND PROPERTY MONUMENTS**

POINT	NORTHING	EASTING	ELEV	DESCRIPTION
509	1203698.807	3120954.481	5326.99	"1.5" ALUM WASHER R NOBBE PLS 23899"
510	1203683.291	3120954.413	5327.34	"1.5" ALUM WASHER R NOBBE PLS 23899"
511	1203682.678	3120892.557	5328.47	"OPC R NOBBE LS 23899"
512	1203613.369	3120893.259	5328.26	"BRASS WASHER IN PAN PLS 23899"
513	1203563.603	3120852.481	5328.68	"BRASS WASHER IN PAN PLS 23899"
515	1203380.588	3120721.625	5330.54	"BRASS WASHER IN PAN PLS 23899"
516	1203330.224	3120698.738	5329.78	"1.5" ALUM WASHER PLS 23899"
517	1203336.567	3120601.267	5331.00	"YPC R NOBBE LS 23899"
518	1203348.655	3120593.072	5331.50	"CDOT ROW 3.25" ALUM CAP PLS 23899"
519	1203677.570	3120414.807	5340.99	"YPC BURDICK PELS 9010"
527	1202954.767	3120899.689	5324.67	"CDOT ROW 3.25" ALUM CAP PLS 23899"
528	1203193.374	3120698.951	5327.73	"CDOT ROW 3.25" ALUM CAP PLS 23899"

**TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED**

POINT	NORTHING	EASTING	STATION/OFFSET
101	1203550.941	3120843.541	767+89.56 -446.03
102	1203521.845	3120884.203	768+35.05 -466.77
103	1203429.553	3120919.936	769+32.87 -451.74
104	1203383.443	3120865.213	769+45.56 -381.31
105	1203306.971	3120929.649	770+43.98 -399.04
106	1203242.535	3120853.176	770+61.70 -300.62
107	1203051.354	3121014.264	773+07.74 -344.95
108	1203397.456	3120733.714	768+67.85 -274.31
109	1203523.377	3120665.466	767+24.67 -277.92
110	1203535.345	3120687.590	767+25.33 -303.07
111	1203524.598	3120805.419	767+93.39 -399.85
112	1203515.478	3120818.165	768+07.65 -406.35
113	1203336.614	3120336.457	767+22.54 100.39
114	1203310.411	3120351.414	767+52.71 100.49
115	1203255.039	3120351.322	768+00.66 128.17
116	1203165.041	3120395.832	769+00.87 134.46
117	1203075.787	3120215.363	768+88.26 335.40
118	1203223.928	3120142.097	767+23.32 325.05
119	1203241.187	3120198.403	767+36.43 267.64
120	1203270.070	3120321.347	767+72.69 146.66
121	1203273.596	3120336.353	767+77.11 131.90
122	1203307.674	3120100.679	766+30.07 319.20
123	1203461.105	3120265.398	765+79.19 99.92
124	1203419.091	3120220.293	765+93.13 159.97
125	1203661.492	3120081.930	763+14.02 159.06
126	1203661.568	3120150.973	763+48.37 99.17

NOTE:  
Stationing given for Temporary Easement Points is Based on the  
Stationing for US Highway 36.

**GENERAL NOTES**

- This Right-of-Way plan is not a complete boundary survey of all adjoining owners and is prepared for Transportation Department purposes Only.
- Survey Control Points set with a higher degree of accuracy than ROW Markers.
- 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.
- All R.O.W. Markers set from Aztec Local Coordinate System survey control points (See Sheet 3).
- All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field. All stationing is approximate.
- All coordinates listed are project coordinates only.
- Field survey control precision computed to exceed CDOT Type "A"

**QUANTITY OF MONUMENTS TO BE SET BY STATE FORCES**

CAP TYPE	MONUMENT TYPE							
	1	1A	2	2A	3	3A	5	6
PROPERTY CORNER								
RIGHT OF WAY	3							
CONTROL								
ALIQUOT CORNER								
WITNESS POST								

**SURVEYOR CERTIFICATE (FIELD)**

Control Survey and Monumentation was done under my supervision and checking.

NAME \_\_\_\_\_ P.L.S. NO. \_\_\_\_\_  
DATE \_\_\_\_\_

**SURVEYOR CERTIFICATE (OFFICE)**

R.O.W. Plans and Legal Descriptions were prepared under my supervision and checking.

NAME \_\_\_\_\_ P.L.S. NO. \_\_\_\_\_  
DATE \_\_\_\_\_

**AZTEC CONSULTANTS, INC. SURVEYOR'S CERTIFICATE**

Right of Way Plans, and Property Descriptions, and Survey Control Monuments were supervised and/or prepared under my direct supervision and review based on surveys, topography and proposed construction prepared by others; Ownership was relied on existing deeds, obtained from county records and plats.

NAME \_\_\_\_\_ P.L.S. NO. \_\_\_\_\_  
DATE \_\_\_\_\_

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Region 6

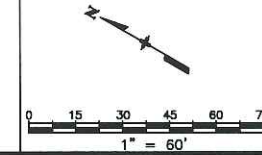
RIGHT OF WAY PLANS

Sheet Revisions		
mm/yy	xxxxx	xxx



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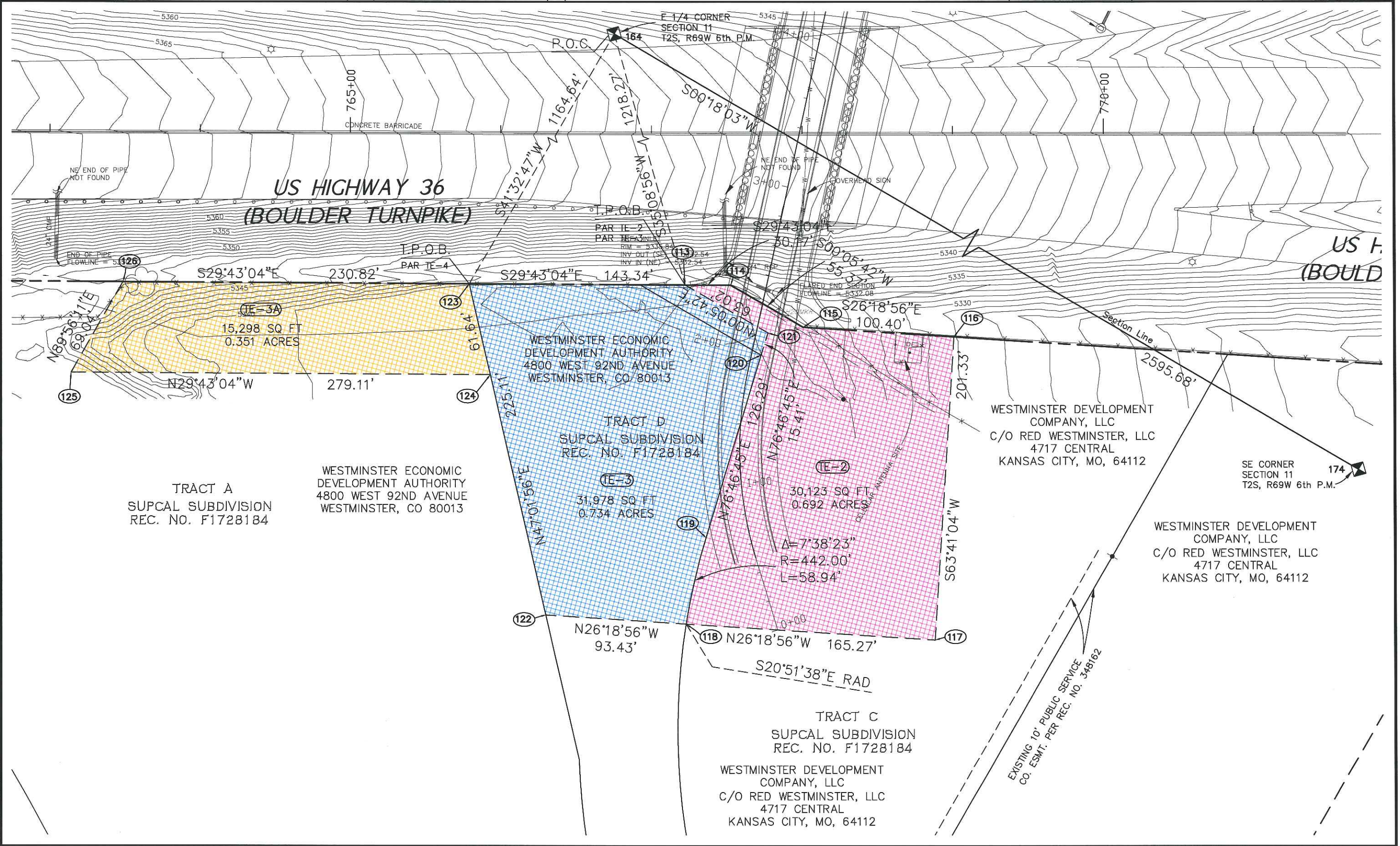
8000 South Lincoln Street, Unit 5  
Littleton, Colorado 80122  
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RIGHT OF WAY	
PLAN SHEET	
0361-077	
US HIGHWAY 36 UNDERPASS @ MANDALAY TOWNCENTER	
PROJECT CODE: 14803	SHEET NUMBER: 5

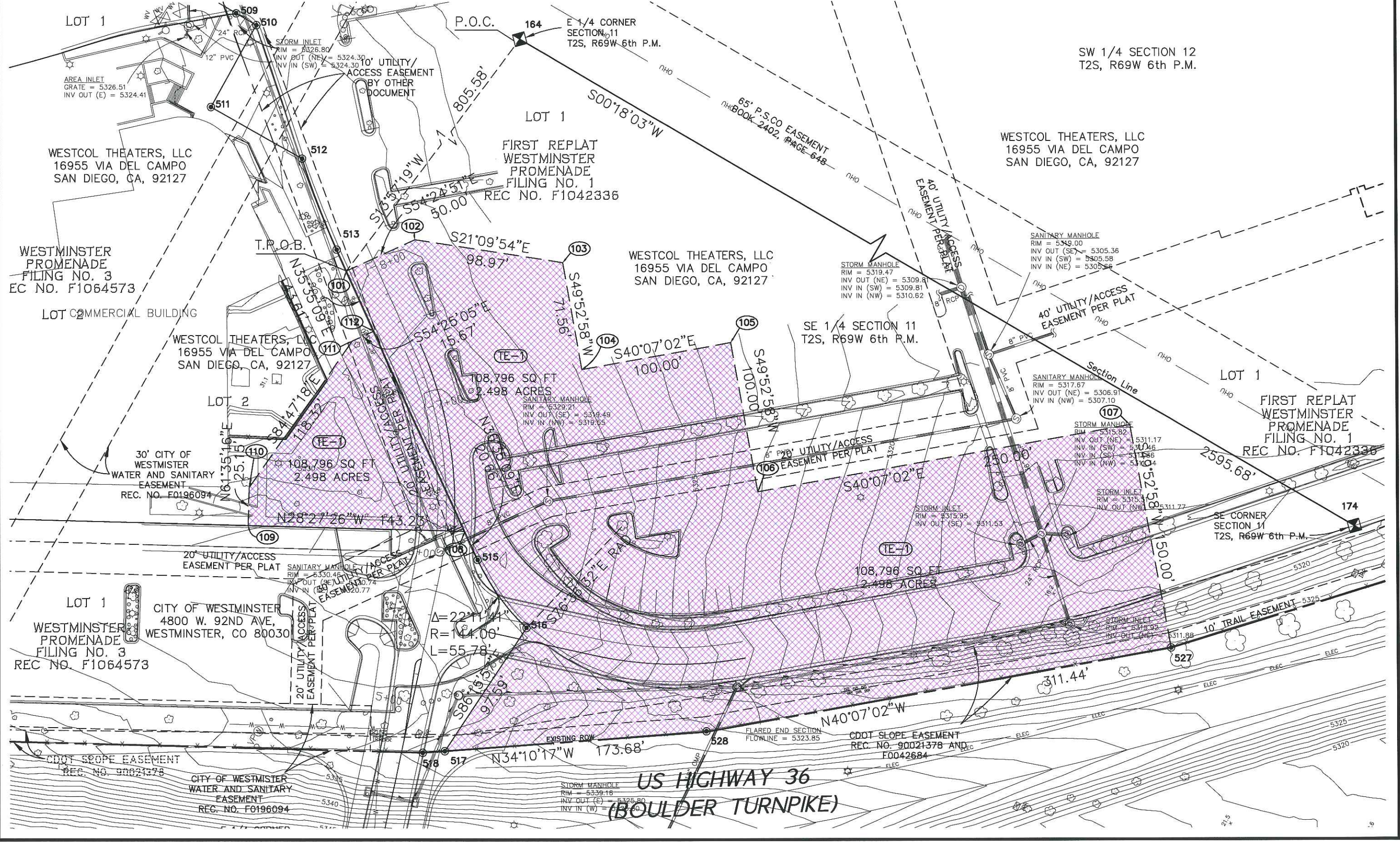
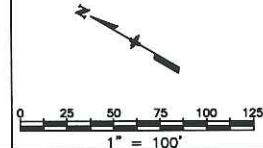
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Region 6

RIGHT OF WAY PLANS

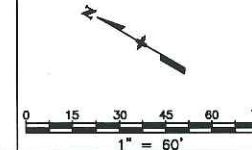
Sheet Revisions

mm/yy	XXXXX	XXX



Aztec CONSULTANTS, inc.

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Littleton, Colorado 80122  
Phone: (303)713-1898 Fax: (303)713-1897



RIGHT OF WAY

PLAN SHEET

0361-077

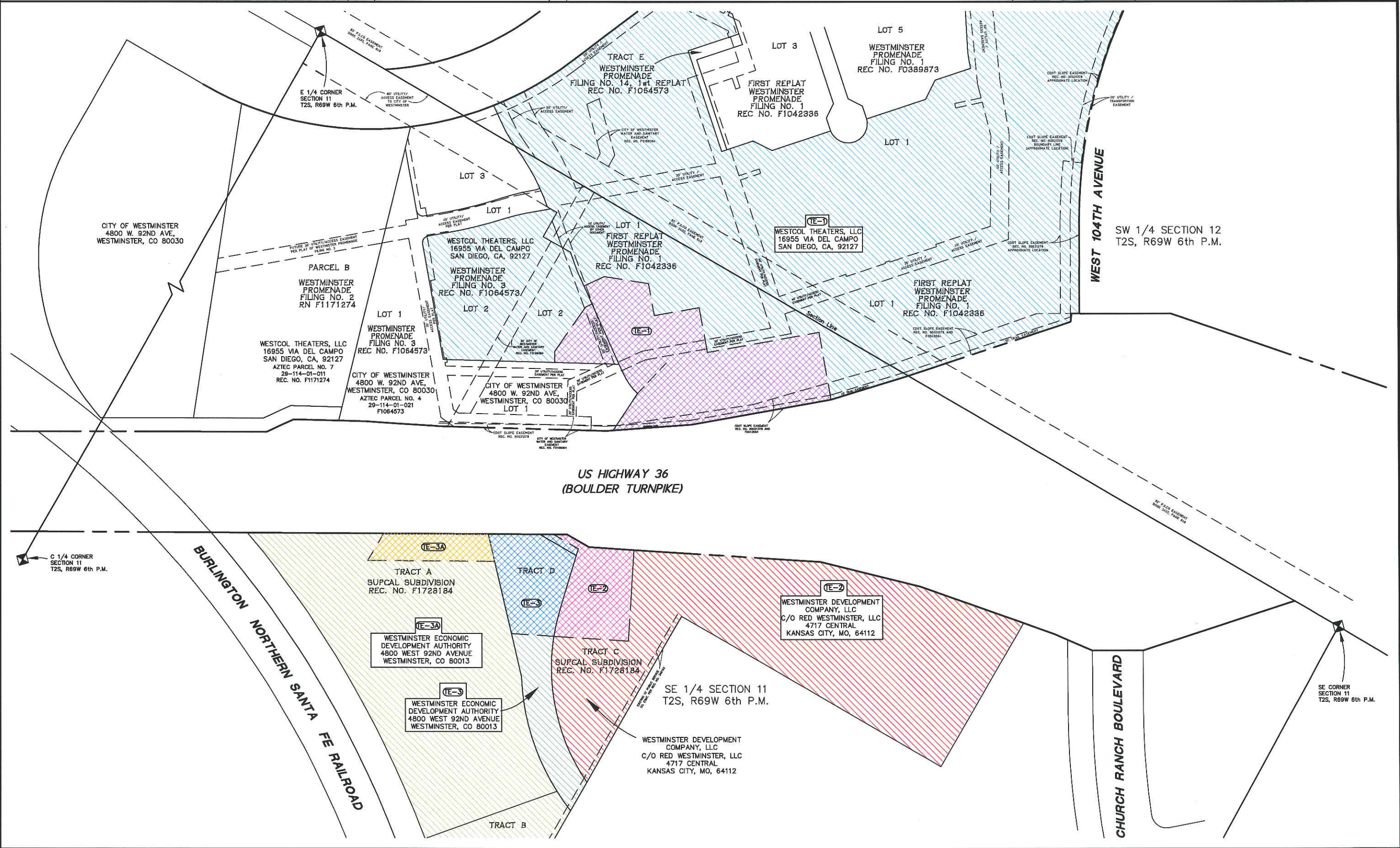
US HIGHWAY 36 UNDERPASS @ MANDALAY TOWNCENTER

PROJECT CODE: 14803

SHEET NUMBER:

7

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