

Colorado Department of Transportation



10601 W. 10th Street  
Greeley, CO 80634  
Phone: 970-350-2161

Region 4 Right of Way

PTS

### Sheet Revisions

Date	Description	Initials
08-23-18	Updated for Recording	LJN

### Sheet Revisions

Date	Description	Initials

### Sheet Revisions

Date	Description	Initials

### Right of Way Plans

Title Sheet			
Project Number: BR 0361-117			
Project Location: US 36 Culvert Repair			
MP 11.95 & MP 12.29			
Project Code	Last Mod. Date	Subset	Sheet No.
20610	08-23-18	1.01 of 1.01	1.01

# DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

## RIGHT OF WAY PLANS OF PROPOSED PROJECT NO. BR 0361-117 STATE HIGHWAY NO. 36 LARIMER COUNTY

**-RECORDED-**

IN Larimer COUNTY

DATE 11/05/2018

RECEPTION# 20180067678

R.D.W. Length of Project = 0.34 Miles  
Const. Length of Project = 0.34 Miles

### SHEET NO.

1.01  
2.01  
3.01  
4.01-4.02  
5.01  
6.01-6.0X  
7.01  
8.01

### INDEX OF SHEETS

- (1) Title Sheet
- (1) Tabulation of Properties
- (1) Project Control Diagram
- (2) Land Survey Control Diagram
- (1) Monumentation Sheets
- (NA) Tabulation of Road Approach Sheets
- (1) Plan Sheets
- (1) Ownership Map
- (8) Total Sheets

Scales of Original 11"x17" Drawings

Plan Sheets 1"=100'

Ownership Map 1"=200'

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S84°09'48"W from the Control Monument "CM 1224" (CDDT Type 2 Monument, MP 12.24), Section 32, Township 4 North, Range 71 West, Sixth P.M. and the Control Monument "CM 1243" (CDDT Type 2 Monument, MP 12.43), Section 32, Township 4 North, Range 71 West, Sixth P.M. as obtained from a Global Positioning System (GPS) survey based on the National Spatial Reference System (NSRS).

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, The Colorado Department of Transportation relied on Title Commitments prepared by Fidelity National Title 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 CDDT that this set is the most current. The information contained on the attached drawing is not void unless this 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 certification shown hereon.

### COLORADO DEPARTMENT OF TRANSPORTATION STATE HIGHWAY PROJECT

ROW PLANS AUTHORIZED:

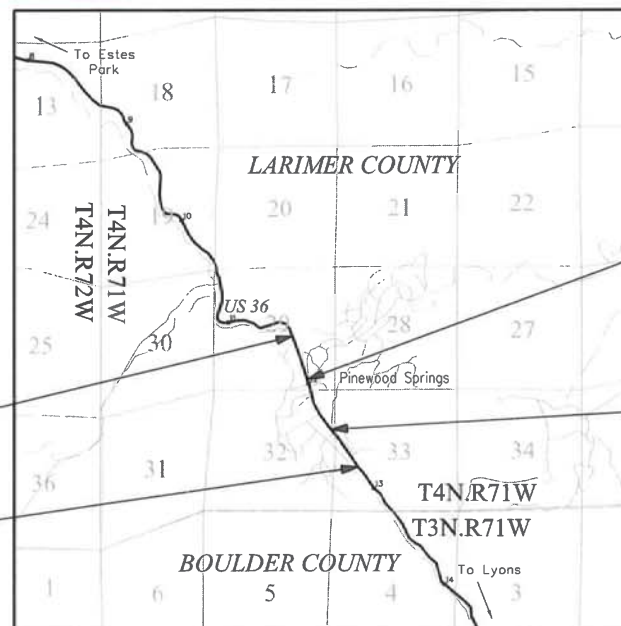
DATE

CDDT RIGHT OF WAY MANAGER

### SURVEYOR STATEMENT (ROW PLAN)

I, I. Jeffrey Nading, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, research, calculations and evaluation of the survey evidence were performed and this Right-of-Way Plan was prepared under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

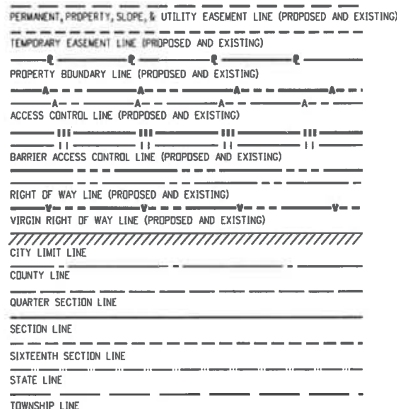
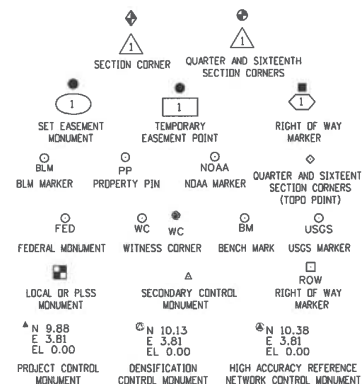
PLS No. 37885



### PROJECT LOCATION MAP

Scale: 1" = 1 Mile

Linear Units = U.S. Survey Feet



SURVEY/ROW

TOP OF CUT

TOE OF FILL

TERRAIN

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. Existing topo features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening, except as noted with the word (proposed).

[illegible][illegible][illegible]

<p align="center"><b>Right of Way Plans</b>  <b>Tabulation of Properties</b></p>			
Project Number: BR 0361-117			
Project Location: US 36 Culvert Repair MP 11.95 & MP 12.29			
Project Code:	Last Mod. Date	Subset	Sheet No.
20610	08-23-18	2.01 of 2.01	2.01

## R.O.W. TABULATION OF PROPERTIES IN LARIMER COUNTY U.S. NO. 36

[illegible]

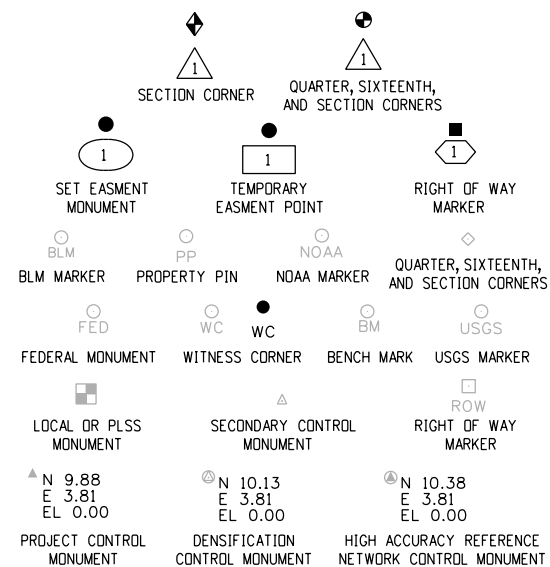
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Project Control Diagram				
Title Sheet				
Project Number: BR 0361-117				
Project Location: US 36 Culvert Repair MP 11.95 & MP 12.29				
Project Code:	Last Mod. Date	Subset	Sheet No.	
20610	05-31-16	3.01 of 3.02	3.01	

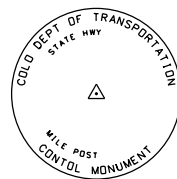
## PROJECT CONTROL DIAGRAM

U.S. Highway 36 MP 11.95 to 12.40  
Sections 29 & 32  
Township 4 North, Range 71 West  
of the 6th Principal Meridian  
County of Larimer

<u>SHEET NO.</u>	<u>INDEX OF SHEETS</u>
3.01	(1) Title Sheet
3.02	(1) Coordinate Tables & Plan Sheet
	(2) Total Sheets



Note: For a complete listing of symbolology 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 2012. Existing features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening.

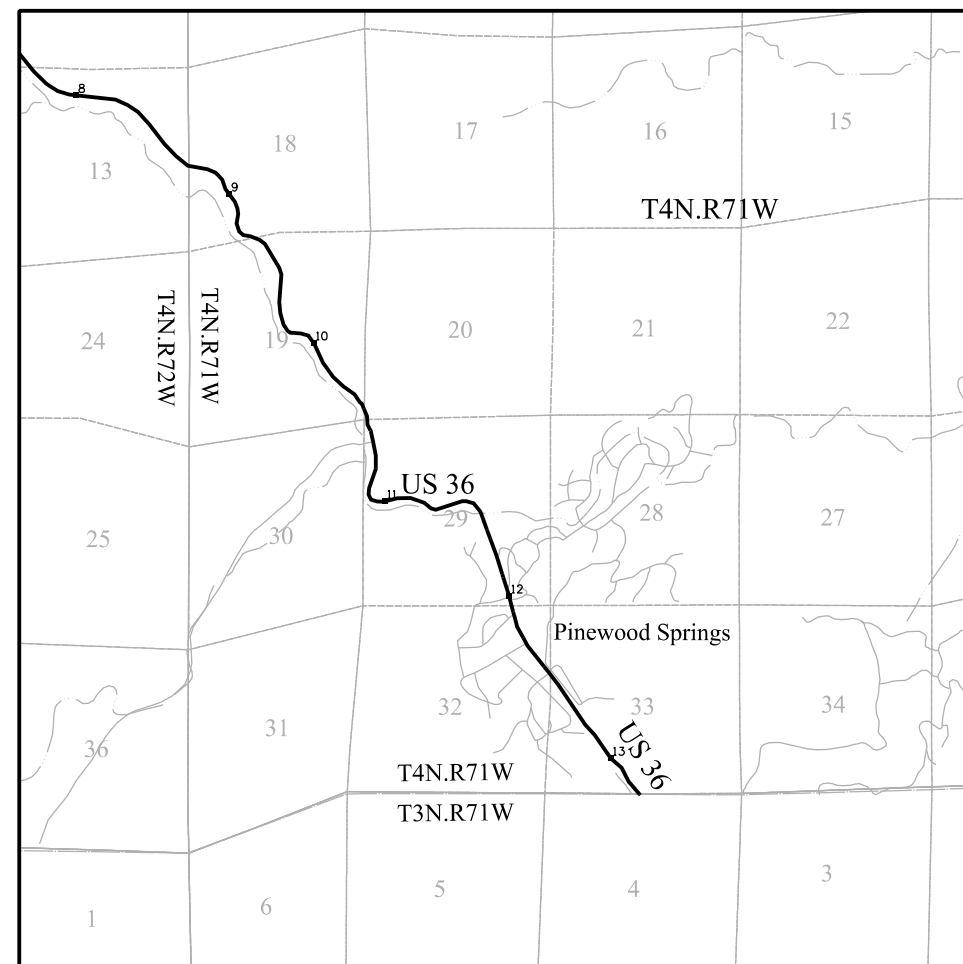


Typical Control Monument Cap  
Not to Scale

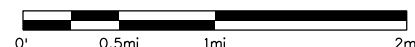
▲ CM-MP - ControlPoint Monuments set by CDOT. They are CDOT Type 2 monuments, a 3'¼" dia. aluminum control monument cap (as shown) on a 3' x ¾" dia. aluminum security rod on a 3' x ¾" dia. smooth aluminum rod.

General Notes:

1. This Project Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
2. 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 this copy bears an original signature of the Professional Land Surveyor hereon named.
3. Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2012 found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.



## PROJECT LOCATION MAP



Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S 84° 09' 48" W from the Control Monument "CM 1224" (CDOT Type 2 Monument, MP 12.24), Section 32, Township 4 North, Range 71 West, Sixth P.M. and the Control Monument "CM 1243" (CDOT Type 2 Monument, MP 12.43), Section 32, Township 4 North, Range 71 West, Sixth P.M. as obtained from a Global Positioning System (GPS) survey based on the National Spatial Reference System (NSRS).

Basis of Elevations: Project elevations are GPS derived, using GEQID 09, based on a NAVD 88 elevation of 1705.825m on NGS Benchmark "T 320 RESET" (Stamped "T 320 RESET 1955" NGS brass cap set in top of square concrete monument).

**COORDINATE DATUM:** Project coordinates are modified Colorado State Plane North Zone NAD 83(2011) coordinates. The project seed point (CM Allen) coordinates are: Northing = 409721.316m, Easting = 926208.409m, and Elevation = 2007.443m. The ground scale factor used to modify the coordinates is 1.00035735194565. Project Coordinates are truncated by 300,000m in the Northing and 900,000m in the Easting.

To get from Project to State Plane coordinates: convert project coordinates to metric, add the truncation, subtract the seed point northing and easting, divide by the ground scale factor, then add the seed point northing and easting.

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.

SURVEYOR STATEMENT (PROJECT CONTROL DIAGRAM)

I, Lee K. Groves, professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that the Project Transits 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.

PLS No. 34169



Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Project Control Diagram				
Coordinate Tables & Plan Sheet				
Project Number: BR 0361-117				
Project Location: US 36 Culvert Repair MP 11.95 & MP 12.29				
Project Code:	Last Mod. Date	Subset	Sheet No.	
20610	05-31-16	3.02 of 3.02	3.02	



CHARN GEODETIC COORDINATE TABLE

(adjusted field data) (meters)								
NAME	COORDINATES NAD 83(2011)		ELLIPS. HEIGHT	MAPPING ANGLE	SCALE	NAD 83(2011) ZONE 0501		DESCRIPTION
	LATITUDE	LONGITUDE				NORTHING	EASTING	
CM ALLEN	40°16'41.59353" N	105°21'40.20700" W	2007.443	0°05'23"	0.999956961	409721.316	926208.409	NGS Horizontal Disk stamped ALLEN 1996
CM T320	40°10'22.60529" N	105°15'41.79525" W	1690.269	0°09'15"	0.999957763	398050.295	934706.556	NGS BM Disk stamped T320 RESET 1955

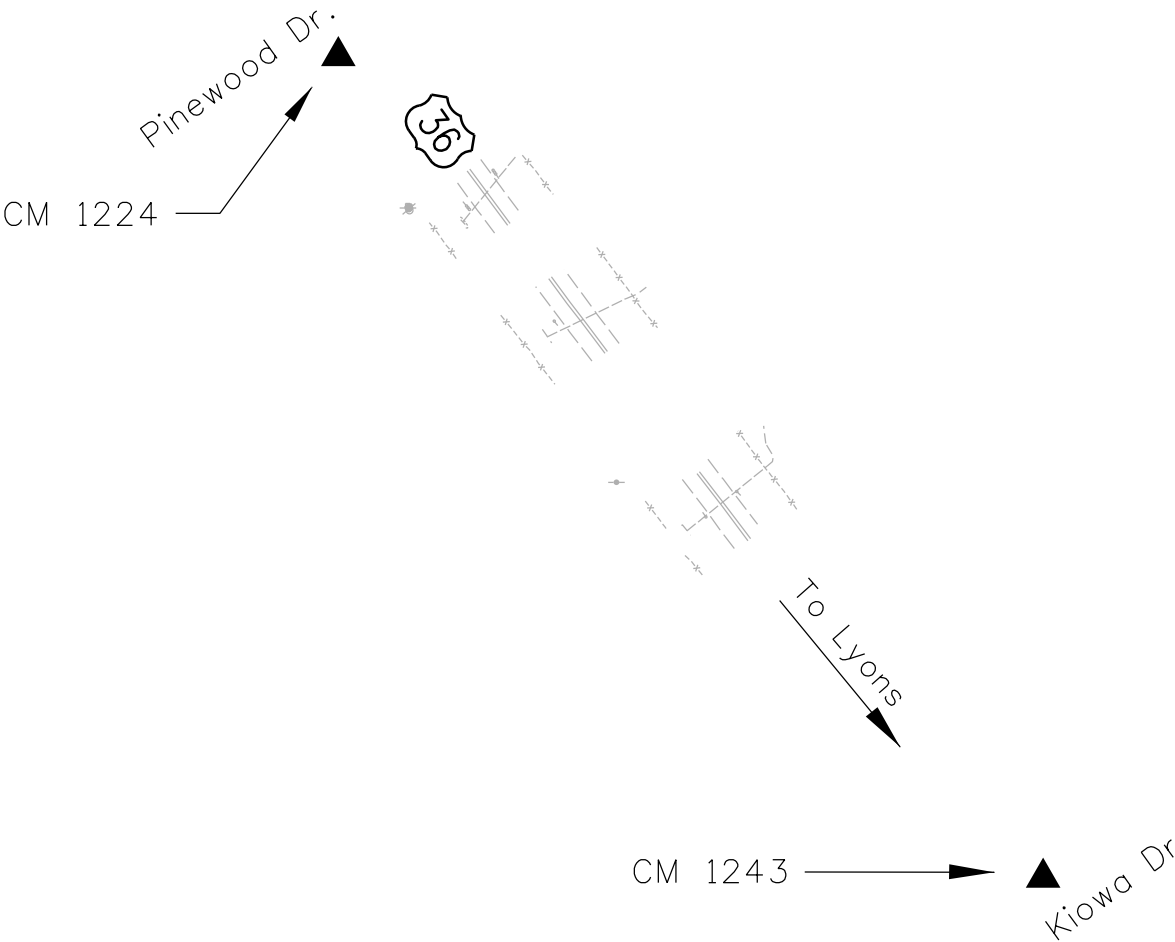
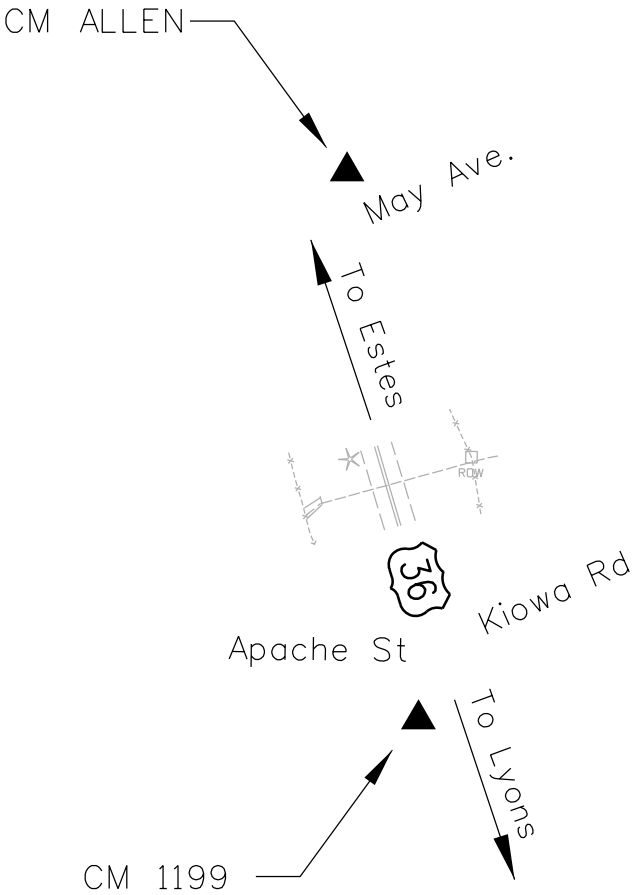
PROJECT COORDINATE SUMMARY TABLE (feet)

NAME	PROJECT COORDINATES		ELEV. (NAVD 88)	DESCRIPTION
	NORTHING	EASTING		
CM 1199	359498.734	86049.344	6628.628	CDOT Type 2 Monument (MP 11.99)
CM 1224	358303.031	86531.380	6659.596	CDOT Type 2 Monument (MP 12.24)
CM 1243	357592.826	87142.846	6699.912	CDOT Type 2 Monument (MP 12.43)
CM ALLEN	359977.351	85985.420	6632.679	NGS Horizontal Disk stamped Allen 1996



GEODETIC COORDINATE TABLE

(adjusted field data) (meters)								
NAME	COORDINATES NAD 83(2011)		ELLIPS. HEIGHT	MAPPING ANGLE	SCALE	NAD 83(2011) ZONE 0501		DESCRIPTION
	LATITUDE	LONGITUDE				NORTHING	EASTING	
CM 1199	40°16'36.86441" N	105°21'39.39219" W	2006.200	0°05'23"	0.999956950	409575.485	926227.885	CDOT Type 2 Monument (MP Points)
CM 1224	40°16'25.04484" N	105°21'33.19944" W	2015.609	0°05'27"	0.999956926	409211.165	926374.758	CDOT Type 2 Monument (MP Points)
CM 1243	40°16'18.01923" N	105°21'25.32798" W	2027.868	0°05'33"	0.999956913	408994.771	926561.067	CDOT Type 2 Monument (MP Points)
CM ALLEN	40°16'41.59353" N	105°21'40.20700" W	2007.443	0°05'23"	0.999956961	409721.316	926208.409	NGS Horizontal Disk stamped ALLEN 1996



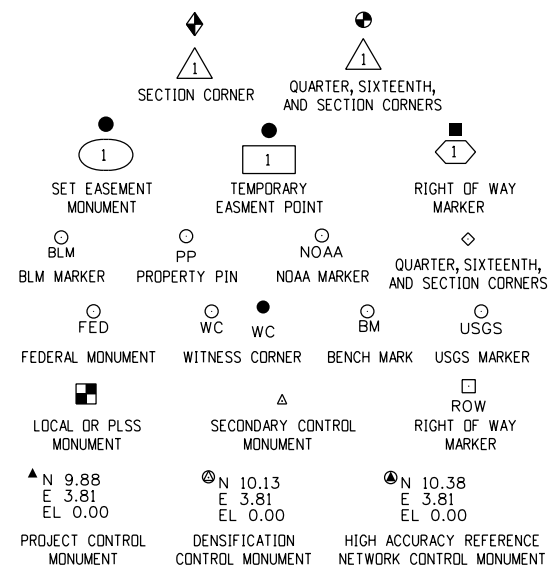


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Land Survey Control Diagram			
Title Sheet			
Project Number: BR 0361-117			
Project Location: US 36 Culvert Repair			
MP 11.95 & MP 12.29			
Project Code:	Last Mod. Date	Subset	Sheet No.
20610	10-13-16	4 01 to 4 02	4 01.

State Highway 36 MP 11.95 to 12.29  
Sections 29 & 32  
Township 4 North, Range 71 West  
of the 6th Principal Meridian  
County of Larimer

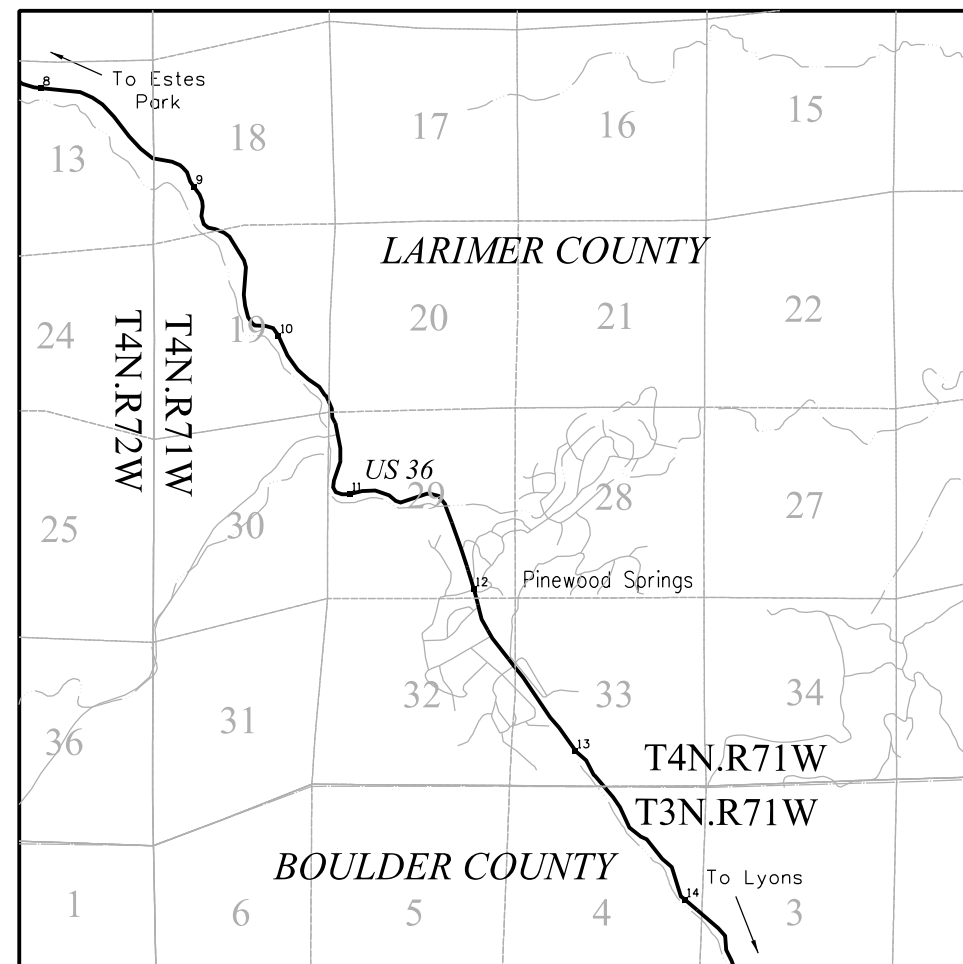
<u>SHEET NO.</u>	<u>INDEX OF SHEETS</u>
4.01	(1) Title Sheet
4.02	(1) Monument Coordinate Tables & Plan Sheet
	(2) Total Sheets



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. Existing features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening.

General Notes:

1. This Land Survey Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only. No determination has been made to determine if the found monuments as shown are in their proper position or if they are at the corners they are intended to monument.
2. Title policy, title commitment, and title research are not part of this survey, therefore easements, rights, and restrictions of record were not researched and are not shown on this diagram. The verification of the physical evidence with relation to easements, rights of ways, property boundaries, and restrictions, as described in the instruments of record, were not included in this control survey.
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 this copy bears an original signature of the Professional Land Surveyor hereon named.
4. Refer to the M-629-1 Survey Monuments of the Standard Plans found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.



## PROJECT LOCATION MAP

Scale: 1" = 1 Mile  
 Lineal Units = U.S. Survey Feet

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SURVEYOR STATEMENT (LAND SURVEY CONTROL DIAGRAM)

I, J. Jeffrey Naading, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that the above information was obtained 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.

PLS No. 37885



10601 W. 10th Street  
Greeley, CO 80634  
Phone: 970-350-2161

Region 4 Right of Way

PTS

Sheet Revisions

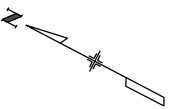
Date	Description	Initials

Sheet Revisions

Date	Description	Initials

Sheet Revisions

Date	Description	Initials

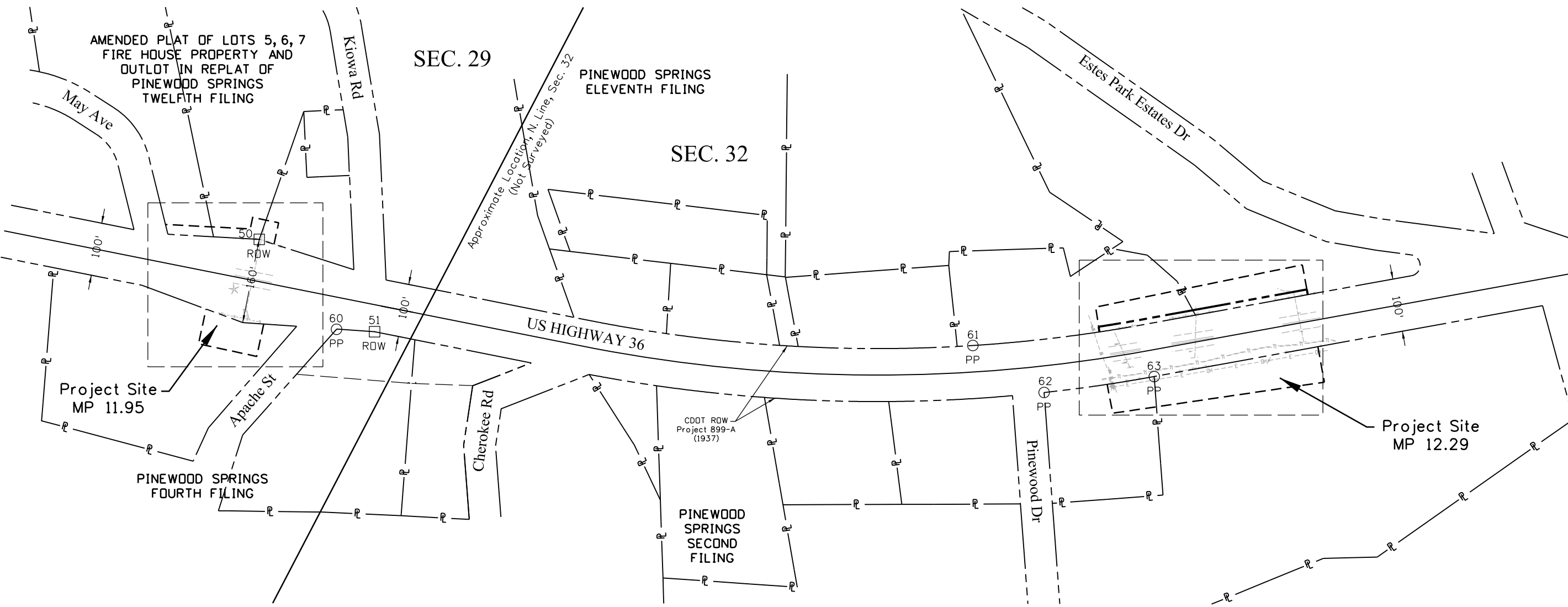
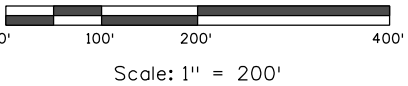


Land Survey Control Diagram

Title Sheet

Project Number: BR 0361-117			
Project Location: US 36 Culvert Repair			
MP 11.95 & MP 12.29			
Project Code: 20610	Last Mod. Date: 10-13-16	Subset: 4.01 to 4.02	Sheet No.: 4.02

T. 4 N., R. 71 W., 6TH P.M.



FOUND R.O.W. MONUMENT COORDINATE TABLE

Point No.	Northing(ft)	Easting(ft)	Description
50	359728.72	86093.31	ROW
51	359455.15	86039.70	ROW

FOUND BOUNDARY MONUMENT COORDINATE TABLE

Point No.	Northing(ft)	Easting(ft)	Description
60	359520.89	86010.60	Yellow Cap - Illegible
61	358441.75	86538.99	Illegible Yellow Cap in 1" Pipe
62	358281.42	86522.57	#5 Rebar, No Cap
63	358111.14	86645.48	1" Alum. Cap, LS 2152

10/13/2016 10:25:36 AM c:\projectwise\pwz\_working\dl770484\JUN20610SURV\_LSCD-Plan402.dgn



10601 W. 10th Street  
Greeley, CO 80634  
Phone: 970-350-2161

Sheet Revisions

Date	Description	Initials

Sheet Revisions

Date	Description	Initials

Sheet Revisions

Date	Description	Initials

Right of Way Plans

Monumentation Sheet

Project Number: BR 0361-117				
Project Location: US 36 Culvert Repair				
MP 11.95 & MP 12.29				
Project Code:	Last Mod. Date	Subset	Sheet No.	
20610	10-13-16	5.01 to 5.01	5.01	



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

Point No.	Northing(ft)	Easting(ft)	Description
100	358241.77	86672.22	ROW
101	358247.67	86680.30	ROW
102	358185.68	86726.85	ROW
103	357931.69	86924.48	ROW
104	357925.55	86916.58	ROW



TABULATION OF "INFORMATION ONLY" POINTS TO BE STAKED

Point No.	Northing(ft)	Easting(ft)	Description
300	359886.26	86022.17	INFO
301	359807.45	86057.76	INFO
302	359683.86	85939.73	INFO
303	358179.56	86718.95	INFO
304	358095.66	86784.23	INFO
305	358104.40	86790.10	INFO



TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED

Point No.	Northing(ft)	Easting(ft)	Description
200	359898.82	86036.42	TE
201	359819.63	86072.59	TE
202	359752.97	86103.04	TE
203	359758.83	86124.39	TE
204	359734.30	86131.41	TE
205	359710.76	86138.15	TE
206	359699.82	86098.30	TE
207	359757.03	85930.43	TE
208	359739.24	85865.65	TE
209	359630.88	85895.41	TE
210	359647.43	85955.66	TE
211	358269.71	86710.50	TE
212	358141.31	86814.87	TE
213	357960.66	86961.71	TE
214	358183.05	86591.29	TE
215	358148.47	86547.93	TE
216	358080.96	86596.78	TE
217	357821.39	86784.62	TE
218	357863.22	86838.38	TE

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE									
	1	1A	2	2A	3	3A	4	5	5(S)	6
REFERENCE										
ROW	5									
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 the Standard Plans found in The Colorado Department of Transportation, M & S Standards for survey monument descriptions.
- This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDDT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

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SURVEYOR STATEMENT (R.O.W. MONUMENTS)

I, I. Jeffrey Nading, 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 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. 37885



## Sheet Revisions

Date	Description	Initials

## Sheet Revisions

Date	Description	Initials

## Sheet Revisions

Date	Description	Initials

## Right of Way Plans

## Plan Sheet

Project Number: BR 0361-117

Project Location: US 36 Culvert Repair

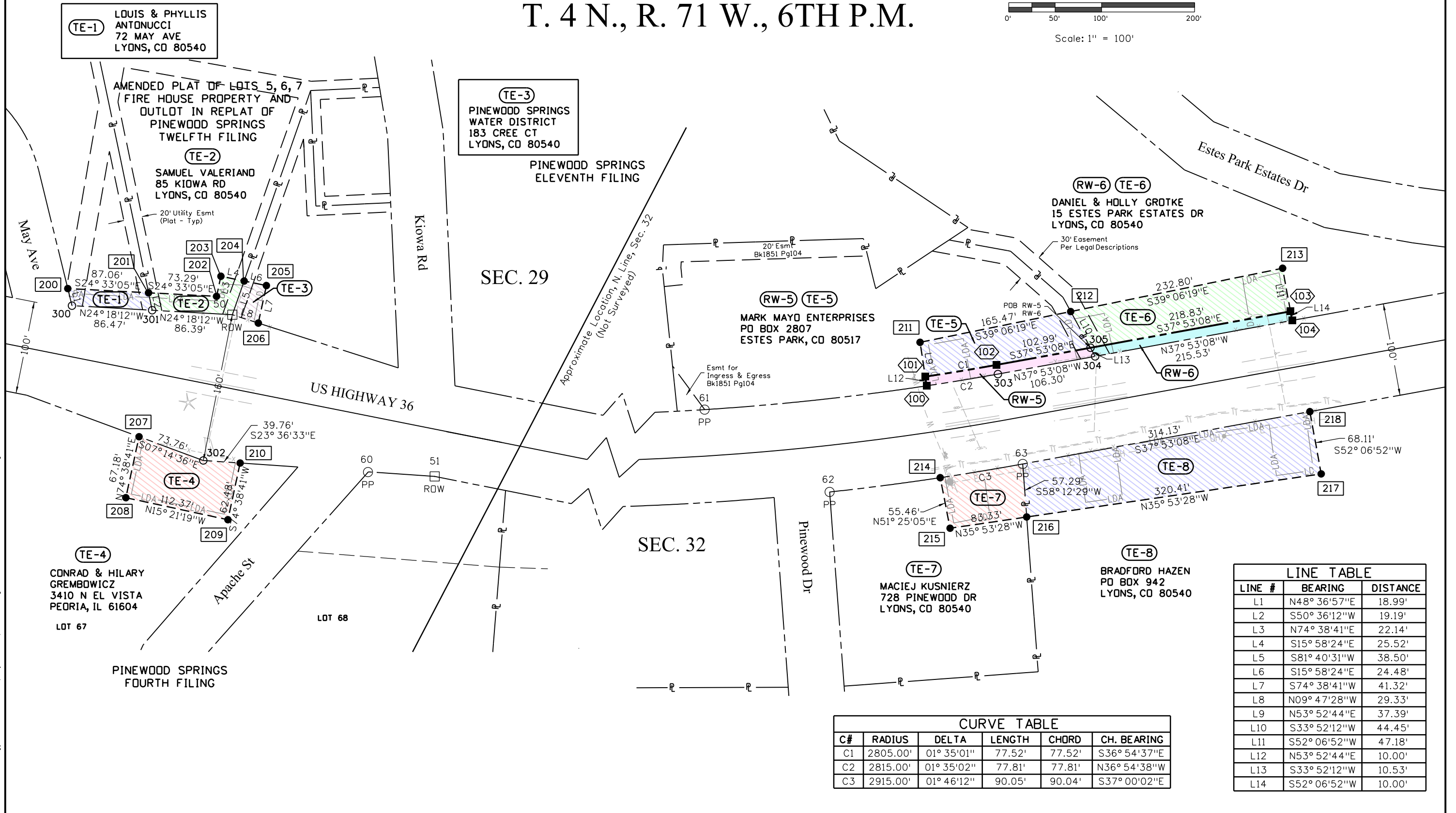
MP 11.95 &amp; MP 12.29

Project Code:	Last Mod. Date	Subset	Sheet No.
20610	10-13-16	7.01 to 7.01	7.01

T. 4 N., R. 71 W., 6TH P.M.



Scale: 1" = 100'







Sheet Revisions

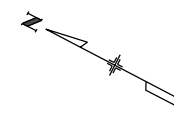
Date	Description	Initials

Sheet Revisions

Date	Description	Initials

Sheet Revisions

Date	Description	Initials

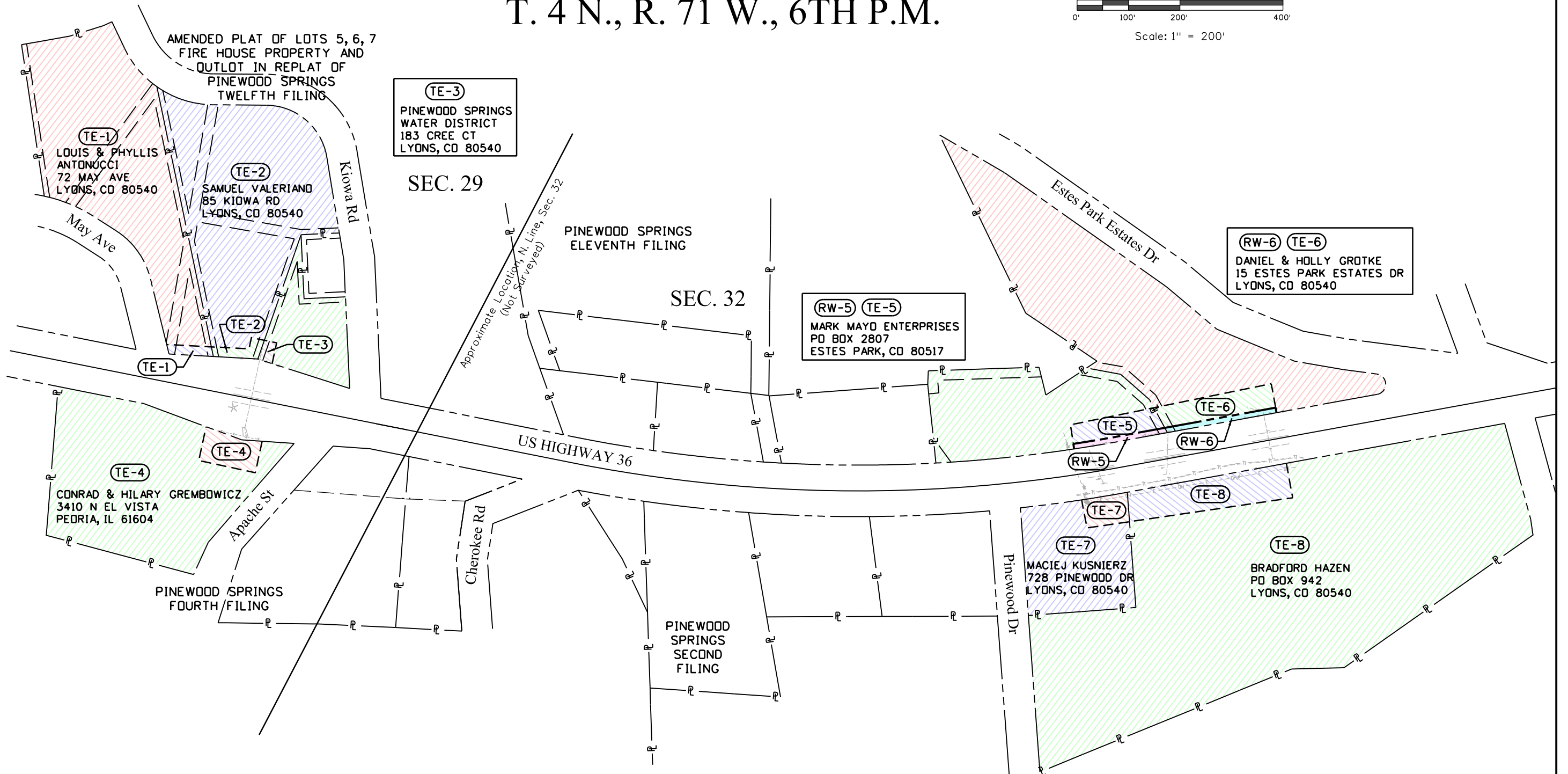
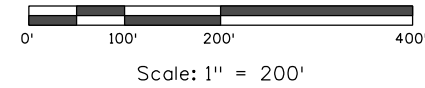


Right of Way Plans

Ownership Sheet

Project Number: BR 0361-117			
Project Location: US 36 Culvert Repair			
MP 11.95 & MP 12.29			
Project Code:	Last Mod. Date:	Subset	Sheet No.
20610	10-13-16	8.01 to 8.01	8.01

T. 4 N., R. 71 W., 6TH P.M.



NOTE: FEMA FIRM Panel 08069C1350F  
Dated December 19, 2006 was relied upon  
for information regarding flood plain boundaries.  
The entire project falls within "Zone X" - Areas  
determined to be outside the 0.2% annual chance  
floodplain.