



Sheet Revisions

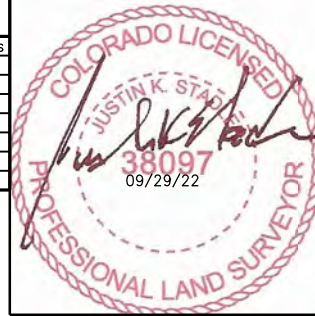
Date	Description	Initials
09/29/22	Chang RW-1 REV and add 1-RM	JKS

Sheet Revisions

Date	Description	Initials
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Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX



Right of Way Plans

Title Sheet

Project Number: SHE 030A-041			
Project Location: SH-30 Gun Club at Hampden			
XXXXX			
Project Code:	Last Mod. Date	Subset	Sheet No.
24394	09/29/22	1.01 to 1.01	1.01

SURVEYOR STATEMENT (ROW PLAN)

I, Justin K. Stadler, 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, the 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 38097

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADORIGHT OF WAY PLANS OF PROPOSED
FEDERAL AID PROJECT NO. SHE 030A-041

STATE HIGHWAY NO. 30

SECTION 36, T. 4 S. R. 66 W., 6TH P.M.

ARAPAHOE COUNTY

R.O.W. Length of Project = 0.2 Miles

Const. Length of Project = 0.2 Miles

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S4°49'06"W from CM-MP 1910 to CM-MP 1931. Both monuments are CDDT Type II, marked appropriately for their milepost location and control position. The survey data obtained was from Global Navigation Satellite System (GNSS) survey based on the Colorado High Accuracy Reference Network (CHARN).

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 Policy), (Title Commitments), (Memorandums of Ownership) prepared by (Title Co. or individual) for (Title Insurance Co. or consultant)

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 valid 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
FEDERAL-AID HIGHWAY PROJECT

ROW PLANS AUTHORIZED:

10/12/22

DATE

Stephen Harselson

CDDT CHIEF ENGINEER

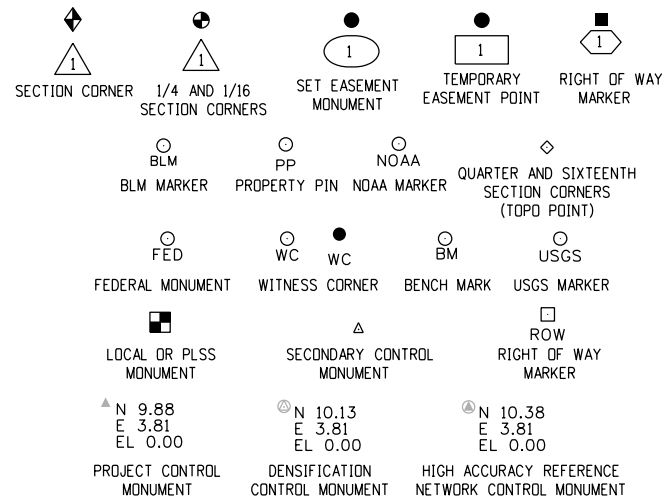
SHEET NO. INDEX OF SHEETS

1.01	1	Title Sheet
2.01-2.01	1	Tabulation of Properties
3.01-3.02	2	Project Control Diagram
4.01-4.03	3	Land Survey Control Diagram
5.01-5.01	1	Monumentation Sheets
6.01-6.0X	(NA)	Tabulation of Road Approach Sheets
7.01A-7.01B	2	Plan Sheets
8.01-8.01	1	Ownership Map
	11	Total Sheets

Scales of Original 11"x17" Drawings

Plan Sheets 1"=60'

Ownership Map 1"=200'



PERMANENT, PROPERTY, SLOPE, & UTILITY EASEMENT LINE (PROPOSED AND EXISTING)

TEMPORARY EASEMENT LINE (PROPOSED AND EXISTING)

PROPERTY BOUNDARY LINE (PROPOSED AND EXISTING)

ACCESS CONTROL LINE (PROPOSED AND EXISTING)

BARRIER ACCESS CONTROL LINE (PROPOSED AND EXISTING)

RIGHT OF WAY LINE (PROPOSED AND EXISTING)

VIRGIN RIGHT OF WAY LINE (PROPOSED AND EXISTING)

CITY LIMIT LINE

COUNTY LINE

QUARTER SECTION LINE

SECTION LINE

SIXTEENTH SECTION LINE

STATE LINE

TOWNSHIP LINE

SURVEY/ROW

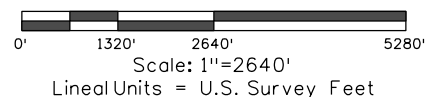
TOP OF CUT

TOP 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).

PROJECT LOCATION MAP





Sheet Revisions

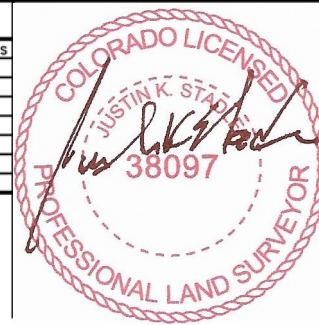
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Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX



Project Control Diagram

Title Sheet

Project Number: SHE 030A-041			
Project Location: SH-30 Gun Club at Hampden			
XXXXX			
Project Code:	Last Mod. Date	Subset	Sheet No.
24394	mm-dd-yy	3.01 of 3.02	3.01

SURVEYOR STATEMENT (PROJECT CONTROL DIAGRAM)

I, Justin K. Stadler, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Project 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.

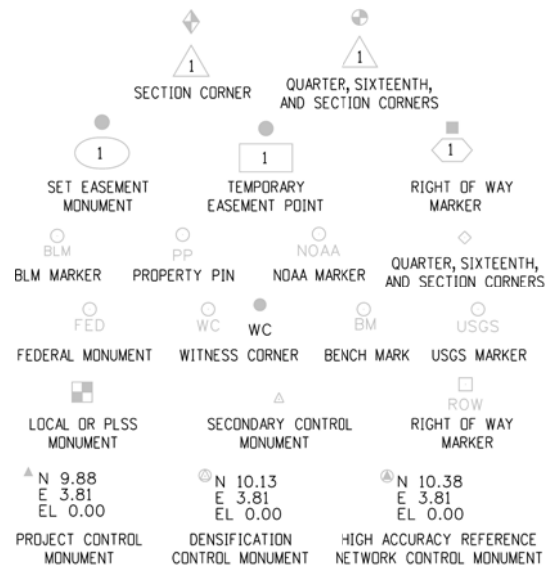
PLS. 38097

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

PROJECT CONTROL DIAGRAM

State Highway 30 MP 19.10 to 19.50

Section 31 Township 4 South, Range 65 West, Section 36 Township 4 South, Range 66 West,
Section 6 Township 5 South, Range 65 West, Section 1 Township 5 South, Range 66 West,
of the 6th Principal Meridian
County of Arapahoe



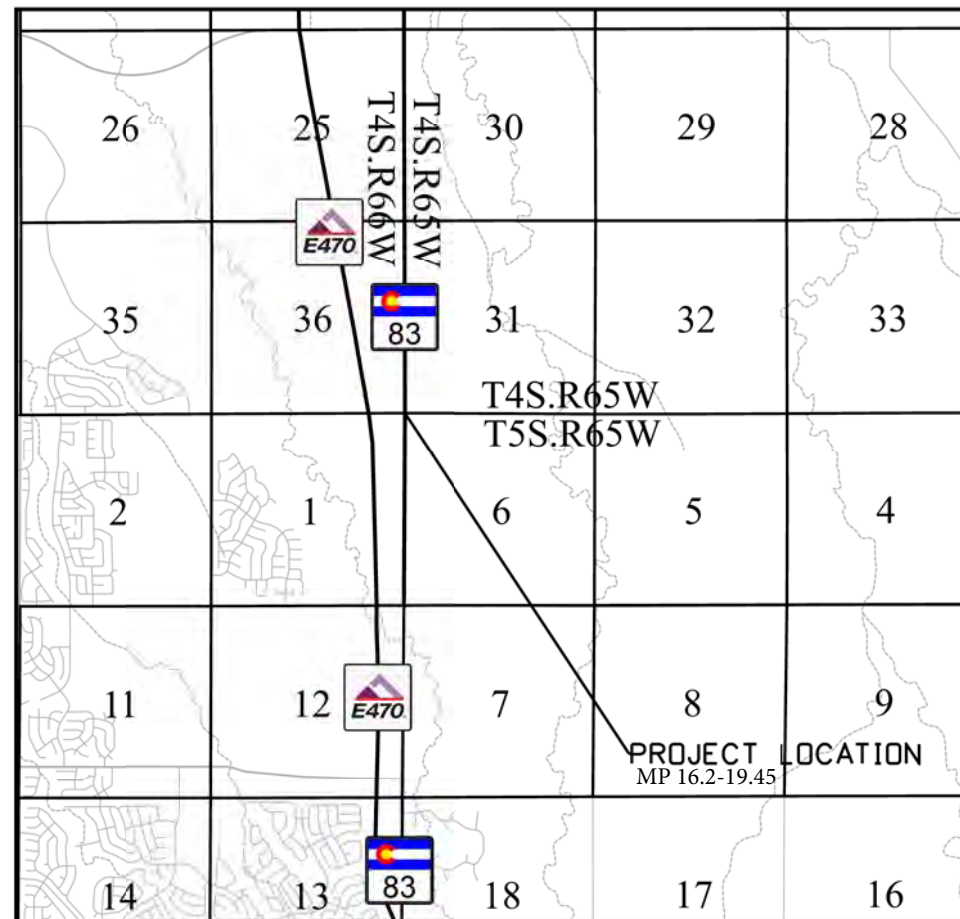
Note: For a complete listing of symbolology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication. Existing features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening.

Typical Control Monument Cap
Not to Scale

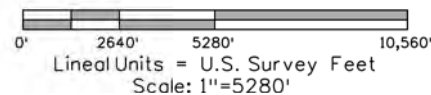
CM-MP - Control Point Monuments set by CDOT. They are CDOT Type 2 monuments, a 3 1/4" dia. aluminum control monument cap (as shown) on a 3' x 3/4" dia. aluminum security rod on a 3' x 3/4" dia. smooth aluminum rod.

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 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 S4°49'06"W from CM-MP 1910 to CM-MP 1931. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data obtained was from Global Navigation Satellite System (GNSS) survey based on the Colorado High Accuracy Reference Network (CHARN).

Basis of Elevations: Project elevations are based on a City of Aurora Bench Mark, 5S6506NW001, a chiseled mark on concrete monument, with a NAVD 88 elevation of 5788.43 ft.

COORDINATE DATUM: Project coordinates are modified Colorado State Plane Central Zone NAD '83/(11) coordinates. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0002916781. The resulting project coordinates were truncated by 1,000,000ft in the Northing and 3,000,000ft in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83(11) datum.

Project Coordinates Northing US Survey Feet = (State Plane Coordinate Northing * 1.0002916781 - 1,000,000).

Project Coordinates Easting US Survey Feet = (State Plane Coordinate Easting * 1.0002916781 - 3,000,000).

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.

SHEET NO.

3.01-3.01
3.02-3.02
-3.03-3.03-

INDEX OF SHEETS

(1) Title Sheet
(1) Coordinate Tables
(N/A) Plan Sheet
(2) Total Sheets



18500 E. Colfax Ave.
Aurora, CO 80011
Phone: (303) 365-7412

Region 1

SDH

Sheet Revisions

Date	Description	Initials
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Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
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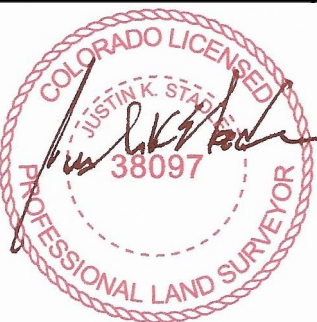
Project Control Diagram

Coordinate Tables

Project Number: SHE 030A-041

Project Location: SH-30 Gun Club at Hampden

Project Code	Last Mod. Date	Subset	Sheet No.
24394	mm-dd-yy	3.02 of 3.02	3.02



CHARN GEODETIC COORDINATE SUMMARY TABLE

Point No.	Geodetic Coordinates NAD-83(11) (CHARN)		Elip Height (NAVD88) (usft)	Ortho Height (usft)	Mapping Angle	Grid Scale Factor	NAD 83(11) Zone 0502		Description
	Latitude(N)	Longitude(W)					SP Northing(usft)	SP Easting(usft)	
BEND	39°37'30.26150"	104°49'17.91227"	5650.58	5707.69	0°25'40"	0.999977675	1653274.55	3191080.03	AA8174
P041	39°56'58.15001"	105°11'39.31658"	5659.16	5712.50	0°11'34"	1.000045566	1770881.43	3085725.38	DG7429
U 374	39°38'17.96038"	104°34'58.28482"	5928.65	5987.09	0°34'42"	0.999979816	1658691.21	3258290.47	KK0479
WATKINS ASTRONOMIC AZ MK	39°44'43.96164"	104°36'43.45447"	5460.58	5519.74	0°33'36"	0.999999122	1697664.80	3249681.66	AA8176

GEODETIC COORDINATE TABLE

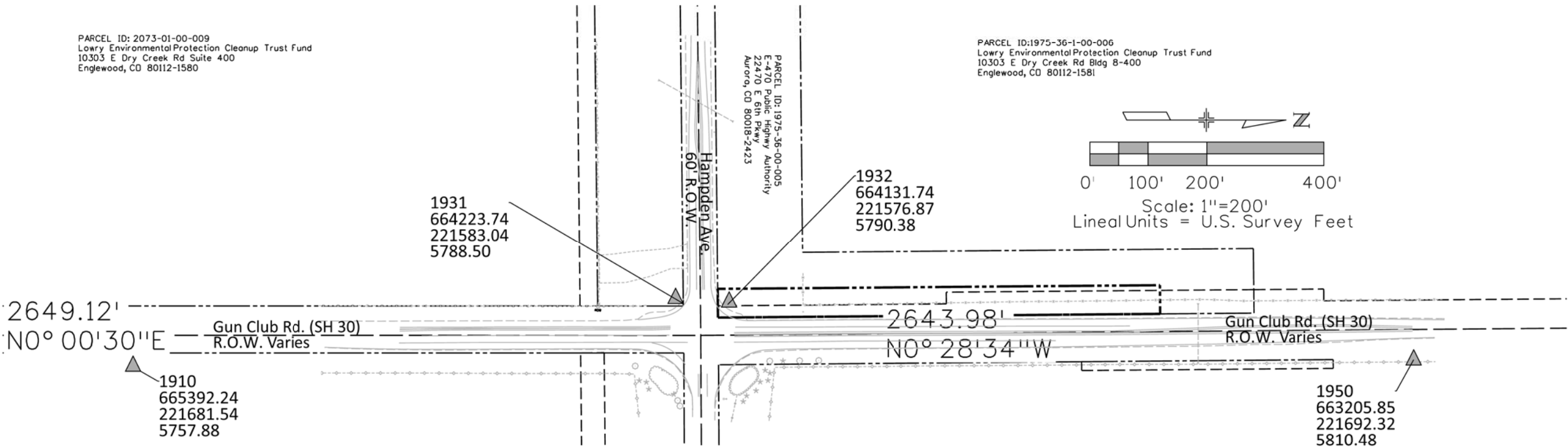
Point No.	Geodetic Coordinates NAD-83(11) (CHARN)		Elip Height (NAVD88) (usft)	Ortho Height (usft)	Mapping Angle	Grid Scale Factor	NAD 83(11) Zone 0502		Description
	Latitude(N)	Longitude(W)					SP Northing(usft)	SP Easting(usft)	
1910	39°39'22.85986"	104°42'57.55211"	5699.97	5757.88	0°29'40"	0.999982816	1664906.62	3220742.12	
1931	39°39'11.32364"	104°42'58.93996"	5730.62	5788.50	0°29'39"	0.999982275	1663738.46	3220643.65	
1932	39°39'10.41519"	104°42'59.02898"	5732.50	5790.38	0°29'39"	0.999982233	1663646.49	3220637.48	
1950	39°39'01.25775"	104°42'57.65558"	5752.63	5810.48	0°29'40"	0.999981806	1662720.88	3220752.89	

PROJECT COORDINATE TABLE

Point No.	Project Coordinates		Elev(ft) (NAVD88)	Description
	Northing(ft)	Easting(ft)		
1910	665392.24	221681.54	5757.88	
1931	664223.74	221583.04	5788.50	
1932	664131.74	221576.87	5790.38	
1950	663205.85	221692.32	5810.48	
BEND	653756.78	192010.80	5707.69	AA8174
P041	771397.96	86625.42	5712.50	DG7429
U 374	659175.02	259240.84	5987.09	KK0479
WATKINS ASTRONOMIC AZ MK	698159.98	250629.52	5519.74	AA8176

PARCEL ID: 2073-01-00-009
Lowry Environmental Protection Cleanup Trust Fund
10303 E Dry Creek Rd Suite 400
Englewood, CO 80112-1580

PARCEL ID: 1975-36-1-00-006
Lowry Environmental Protection Cleanup Trust Fund
10303 E Dry Creek Rd Bldg 8-400
Englewood, CO 80112-1581





Sheet Revisions

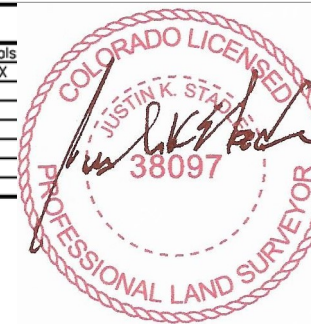
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Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX



Land Survey Control Diagram

Title Sheet

Project Number: SHE 030A-041			
Project Location: SH-30 Gun Club at Hampden			
XXXXX			
Project Code:	Last Mod. Date	Subset	Sheet No.
24394	11/1/21	4.01 to 4.03	4.01

SURVEYOR STATEMENT (LAND SURVEY CONTROL DIAGRAM)

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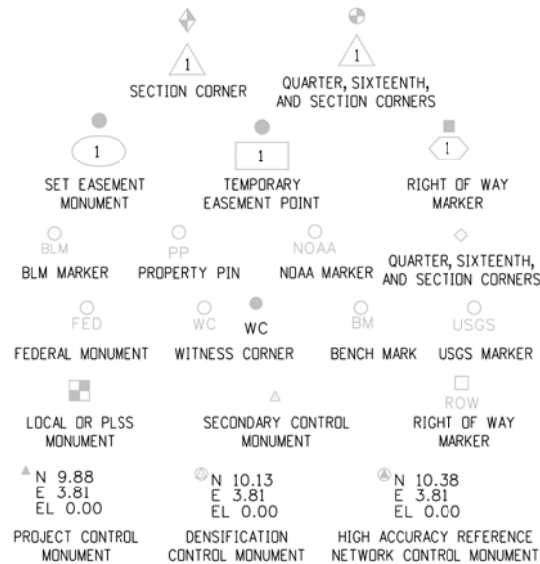
PLS 38097

DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

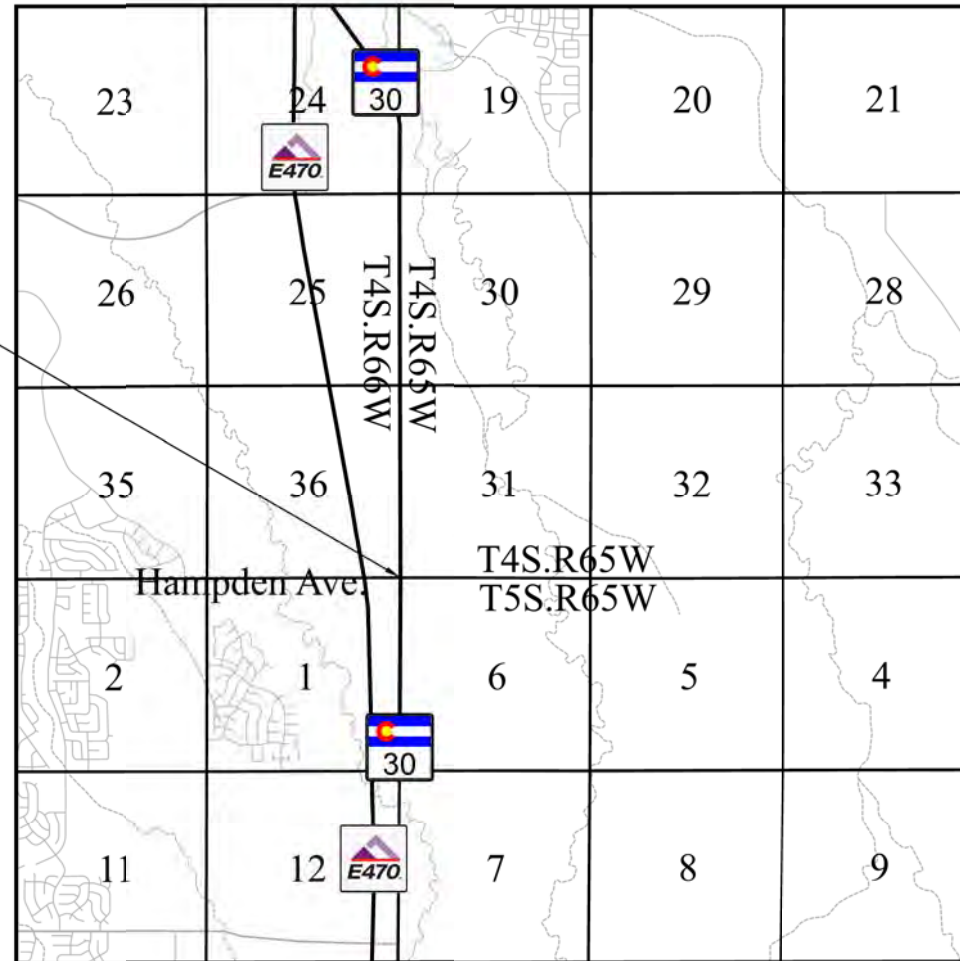
LAND SURVEY CONTROL DIAGRAM

State Highway 30 MP 19.10 to 19.50

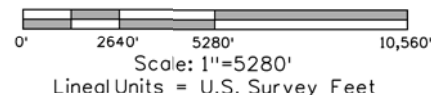
Section 31 Township 4 South, Range 65 West; Section 36 Township 4 South, Range 66 West;
Section 6 Township 5 South, Range 65 West; Section 1 Township 5 South, Range 66 West
of the 6th Principal Meridian
County of Arapahoe



PROJECT AREA
MP 19.2-19.45



PROJECT LOCATION MAP



Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S4°49'06"W from CM-MP 1910 to CM-MP 1931. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data obtained was from Global Navigation Satellite System (GNSS) survey based on the Colorado High Accuracy Reference Network (CHARN).

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SHEET NO.

4.01-4.01
N/A
4.02-4.03

INDEX OF SHEETS

(1) Title Sheet
(X) Monument Coordinate Tables
(2) Plan Sheet
(3) Total Sheets



Sheet Revisions

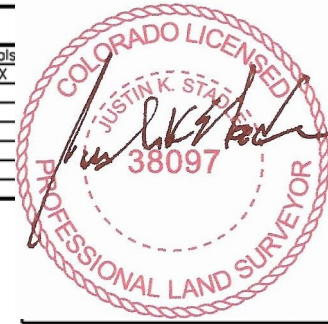
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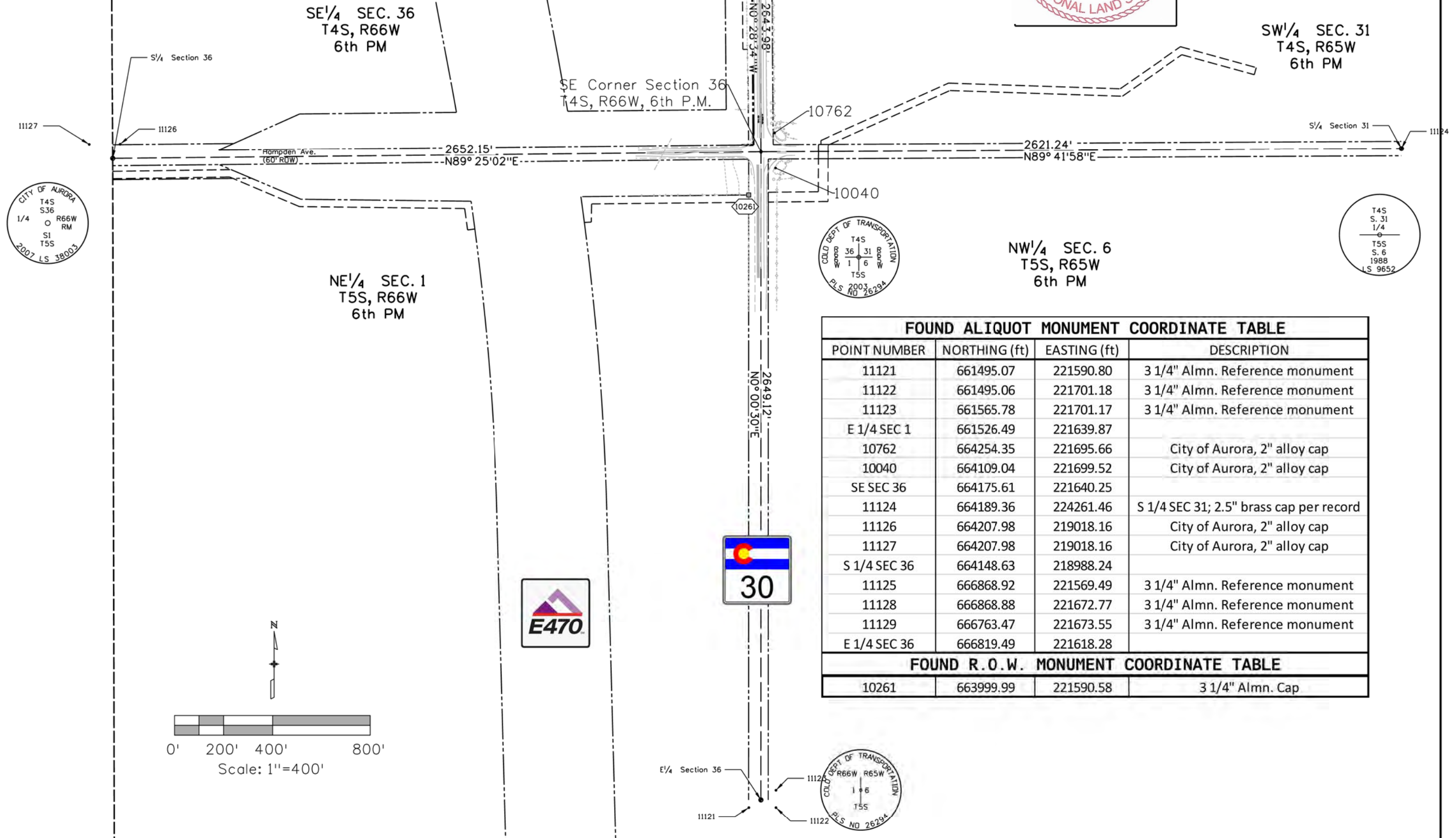
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Right of Way Plans

Land Survey Control Diagram

Project Number: SHE 030A-041			
Project Location: SH-30 Gun Club at Hampden			
XXXXX			
Project Code:	Last Mod. Date	Subset	Sheet No.
24394	11/1/21	4.02 to 4.03	4.02



FOUND ALIQUOT MONUMENT COORDINATE TABLE			
POINT NUMBER	NORTHING (ft)	EASTING (ft)	DESCRIPTION
11121	661495.07	221590.80	3 1/4" Almn. Reference monument
11122	661495.06	221701.18	3 1/4" Almn. Reference monument
11123	661565.78	221701.17	3 1/4" Almn. Reference monument
E 1/4 SEC 1	661526.49	221639.87	
10762	664254.35	221695.66	City of Aurora, 2" alloy cap
10040	664109.04	221699.52	City of Aurora, 2" alloy cap
SE SEC 36	664175.61	221640.25	
11124	664189.36	224261.46	S 1/4 SEC 31; 2.5" brass cap per record
11126	664207.98	219018.16	City of Aurora, 2" alloy cap
11127	664207.98	219018.16	City of Aurora, 2" alloy cap
S 1/4 SEC 36	664148.63	218988.24	
11125	666868.92	221569.49	3 1/4" Almn. Reference monument
11128	666868.88	221672.77	3 1/4" Almn. Reference monument
11129	666763.47	221673.55	3 1/4" Almn. Reference monument
E 1/4 SEC 36	666819.49	221618.28	
FOUND R.O.W. MONUMENT COORDINATE TABLE			
10261	663999.99	221590.58	3 1/4" Almn. Cap



Sheet Revisions

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Sheet Revisions

Date	Description	Initials
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Sheet Revisions

Date	Description	Initials
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Right of Way Plans

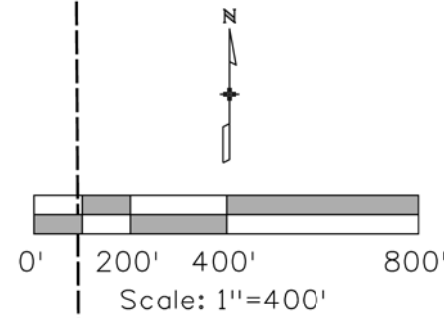
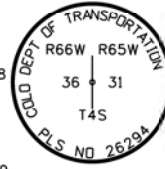
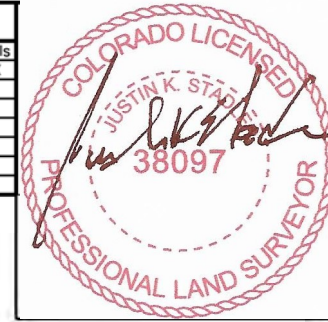
Land Survey Control Diagram

Project Number: SHE 030A-041

Project Location: SH-30 Gun Club at Hampden

XXXXX

Project Code	Last Mod. Date	Subset	Sheet No.
24394	11/1/21	4.03 to 4.03	4.03



FOUND ALIQUOT MONUMENT COORDINATE TABLE			
POINT NUMBER	NORTHING (ft)	EASTING (ft)	DESCRIPTION
11121	661495.07	221590.80	3 1/4" Almn. Reference monument
11122	661495.06	221701.18	3 1/4" Almn. Reference monument
11123	661565.78	221701.17	3 1/4" Almn. Reference monument
E 1/4 SEC 1	661526.49	221639.87	
10762	664254.35	221695.66	City of Aurora, 2" alloy cap
10040	664109.04	221699.52	City of Aurora, 2" alloy cap
SE SEC 36	664175.61	221640.25	
11124	664189.36	224261.46	S 1/4 SEC 31; 2.5" brass cap per record
11126	664207.98	219018.16	City of Aurora, 2" alloy cap
11127	664207.98	219018.16	City of Aurora, 2" alloy cap
S 1/4 SEC 36	664148.63	218988.24	
11125	666868.92	221569.49	3 1/4" Almn. Reference monument
11128	666868.88	221672.77	3 1/4" Almn. Reference monument
11129	666763.47	221673.55	3 1/4" Almn. Reference monument
E 1/4 SEC 36	666819.49	221618.28	
FOUND R.O.W. MONUMENT COORDINATE TABLE			
10261	663999.99	221590.58	3 1/4" Almn. Cap

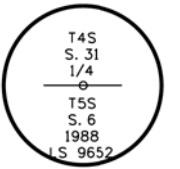
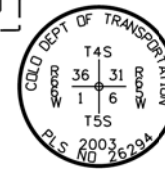
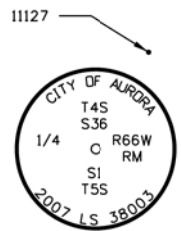
SE 1/4 SEC. 36
T4S, R66W
6th PM

NW 1/4 SEC. 31
T4S, R65W
6th PM

SE Corner Section 36
T4S, R66W, 6th P.M.

NE 1/4 SEC. 1
T5S, R66W
6th PM

NW 1/4 SEC. 6
T5S, R65W
6th PM



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18500 E. Colfax Ave.
Aurora, CO 80011
Phone: (303) 365-7412

Region 1

SDH

Sheet Revisions

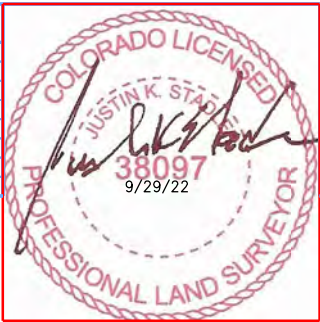
Date	Description	Initials
08/29/22	Change RW-1 REV, add 1-RM	JKS

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX



Right of Way Plans

Plan Sheet

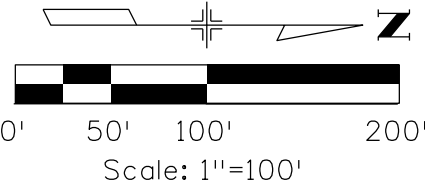
Project Number: SHE 030A-041			
Project Location: SH-30 Gun Club at Hampden			
XXXXX			
Project Code: 24394	Last Mod. Date: 9/29/22	Subset: 7.01A of 7.01	Sheet No.: 7.01A

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

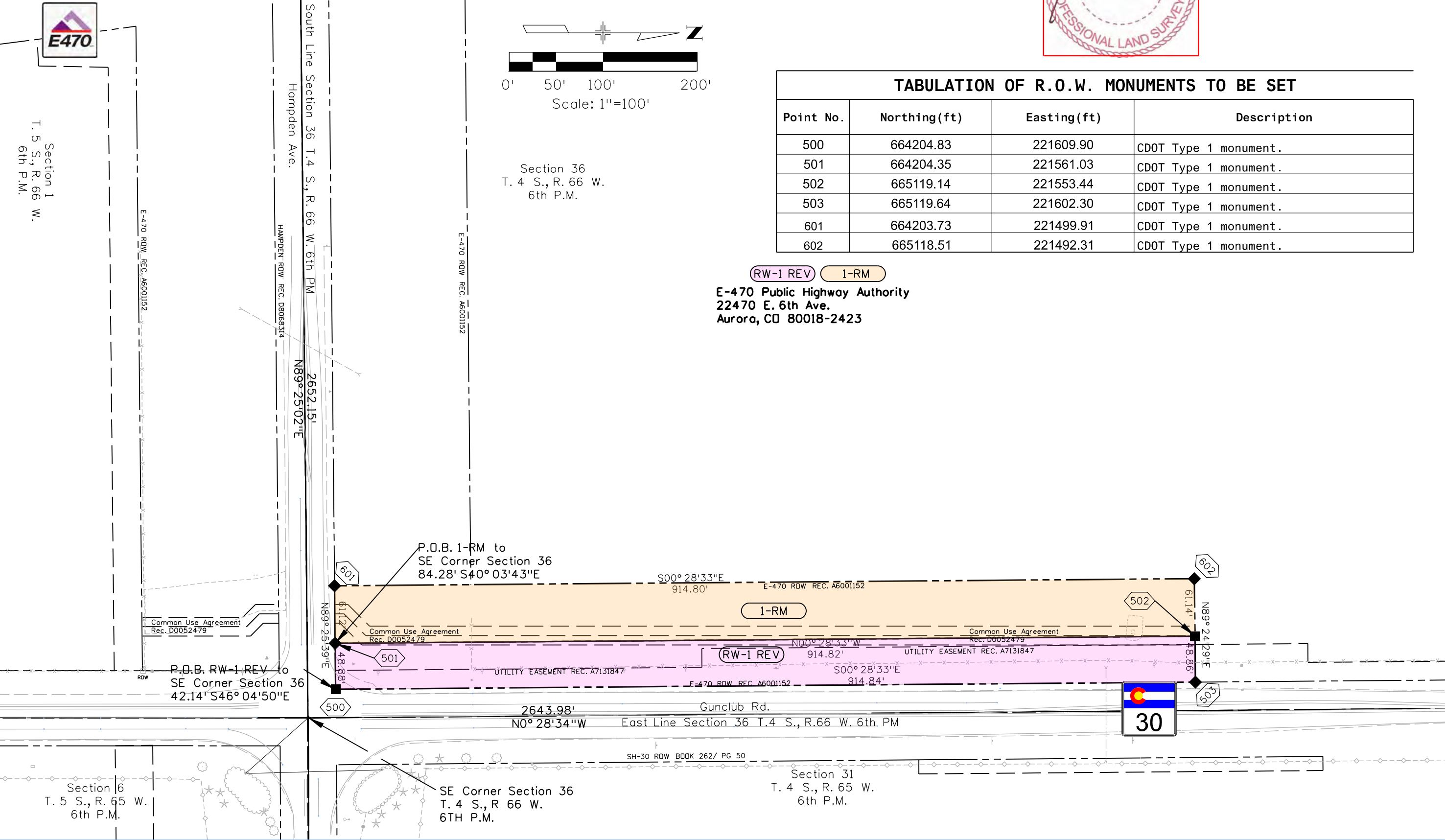
Point No.	Northing(ft)	Easting(ft)	Description
500	664204.83	221609.90	CDOT Type 1 monument.
501	664204.35	221561.03	CDOT Type 1 monument.
502	665119.14	221553.44	CDOT Type 1 monument.
503	665119.64	221602.30	CDOT Type 1 monument.
601	664203.73	221499.91	CDOT Type 1 monument.
602	665118.51	221492.31	CDOT Type 1 monument.

RW-1 REV 1-RM

E-470 Public Highway Authority
22470 E. 6th Ave.
Aurora, CO 80018-2423



Section 36
T. 4 S., R. 66 W.
6th P.M.





18500 E. Colfax Ave.
Aurora, CO 80011
Phone: (303) 365-7412

Region 1

SDH

Sheet Revisions

Date	Description	Initials
08/29/22	Change RW-1 REV, add 1-RM	JKS

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX



Right of Way Plans

Plan Sheet

Project Number: SHE 030A-041			
Project Location: SH-30 Gun Club at Hampden			
XXXXX			
Project Code: 24394	Last Mod. Date: 9/29/22	Subset: 7.01B of 7.01	Sheet No.: 7.01B

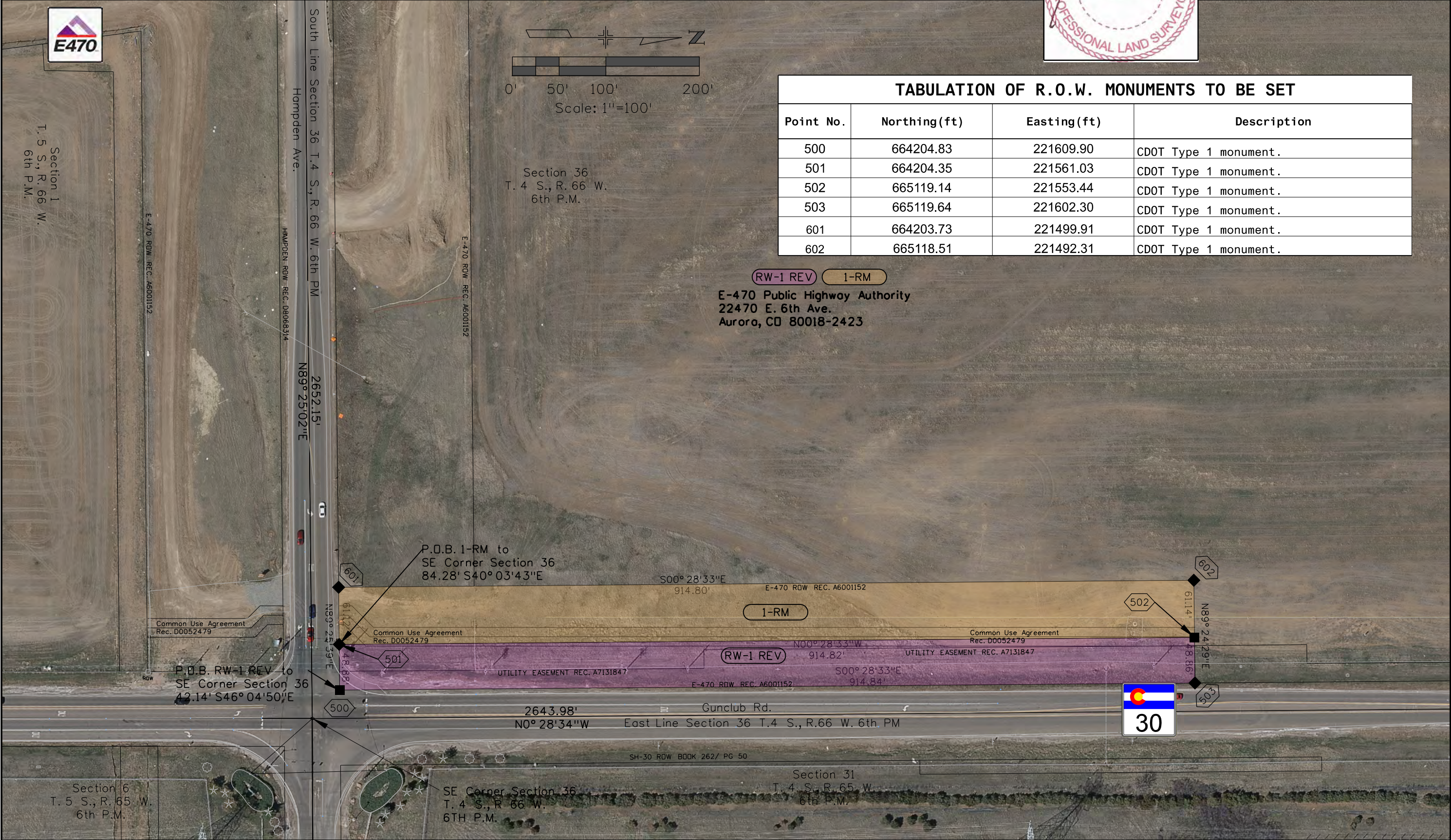
TABULATION OF R.O.W. MONUMENTS TO BE SET

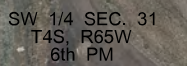
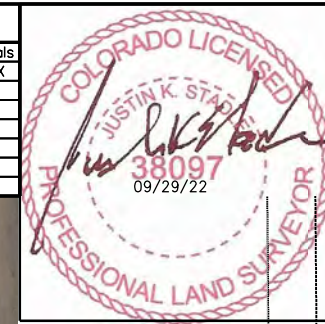
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RW-1 REV 1-RM

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10/4/2022 11:30:59 AM C:\ProgramData\Bentley\OpenRoads Designer CE 10.10\Configuration\CDOT\Worksets\24394 SH-30 at Hampden\DGNs\24394 ROW Plans.dgn



[illegible]

2643.98'
N0° 28' 34" W

