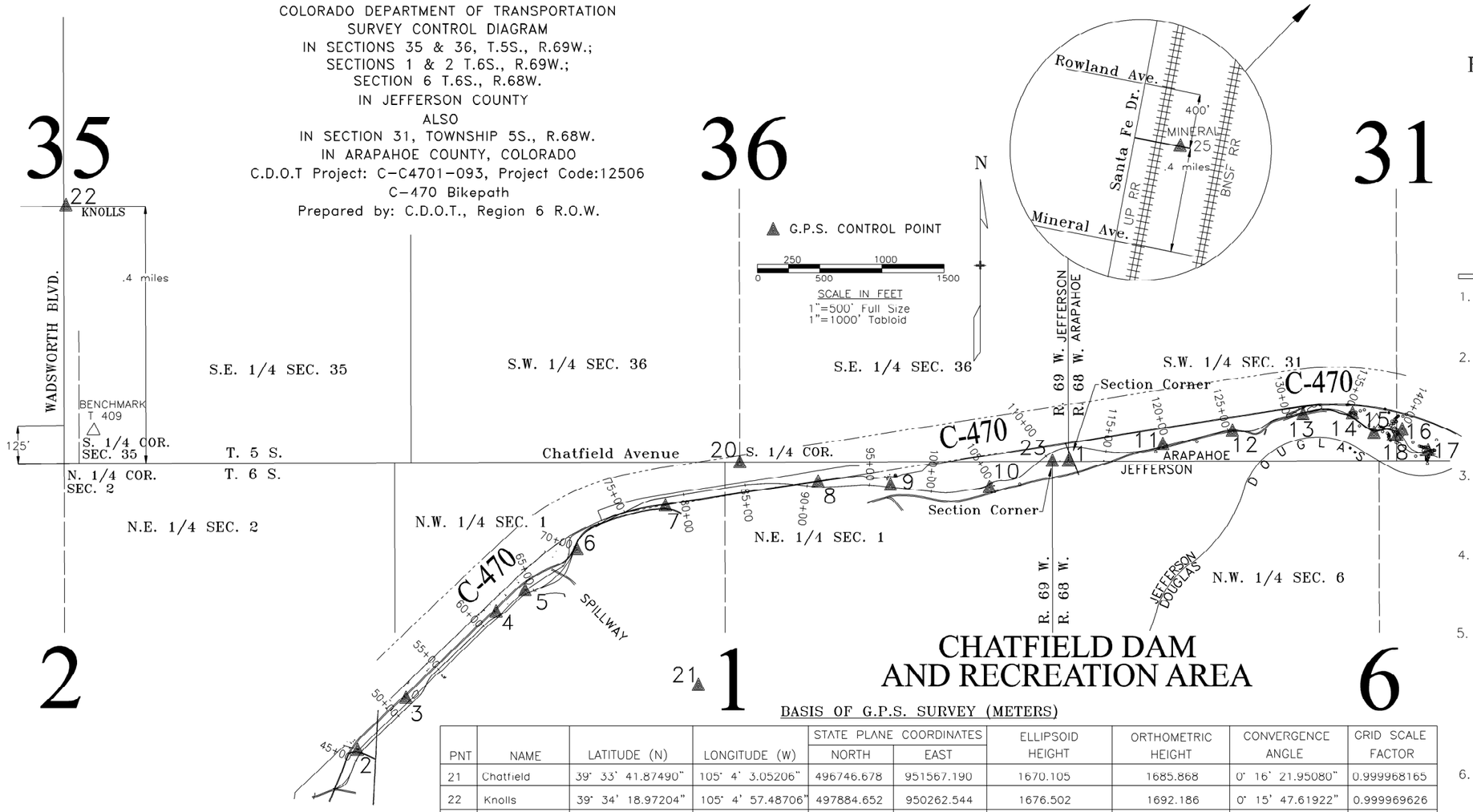
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO	TOTAL SHEETS
VIII	COLORADO	C-C4701-093	3	

RIGHT OF WAY

REVISIONS		

COLORADO DEPARTMENT OF TRANSPORTATION
SURVEY CONTROL DIAGRAM
IN SECTIONS 35 & 36, T.5S., R.69W.;
SECTIONS 1 & 2 T.6S., R.69W.;
SECTION 6 T.6S., R.68W.
IN JEFFERSON COUNTY
ALSO
IN SECTION 31, TOWNSHIP 5S., R.68W.
IN ARAPAHOE COUNTY, COLORADO
C.D.O.T Project: C-C4701-093, Project Code:12506
C-470 Bikepath
Prepared by: C.D.O.T., Region 6 R.O.W.



CHATFIELD DAM AND RECREATION AREA

BASIS OF G.P.S. SURVEY (METERS)

PNT	NAME	LATITUDE (N)	LONGITUDE (W)	STATE PLANE COORDINATES NORTH	STATE PLANE COORDINATES EAST	ELLIPSOID HEIGHT	ORTHOMETRIC HEIGHT	CONVERGENCE ANGLE	GRID SCALE FACTOR
21	Chatfield	39° 33' 41.87490"	105° 4' 3.05206"	496746.678	951567.190	1670.105	1685.868	0° 16' 21.95080"	0.999968165
22	Knolls	39° 34' 18.97204"	105° 4' 57.48706"	497884.652	950262.544	1676.502	1692.186	0° 15' 47.61922"	0.999969626
25	Mineral	39° 35' 11.43516"	105° 1' 21.38128"	499527.983	955411.828	1628.718	1644.822	0° 18' 3.91488"	0.999971747

SURVEY CONTROL POINT TABULATION – PROJECT SPECIFIC – U.S. SURVEY FEET

TOWNSHIP 5 & 6 SOUTH, RANGE 68 & 69 WEST, OF THE 6th P.M.

PNT	NORTHING	EASTING	ELEVATION	DESCRIPTION OF MONUMENTS
1	1631900.854	3126617.947	5404.56	3 1/2" brass cap "CORPS OF ENGINEERS U S ARMY SURVEY MARK"-Sec. cor.31/36 per monument records-Recovered (Rec.)
2	1629578.178	3120908.191	5504.62	2 7/8" brass cap "DMWW R/W AP376+11 COND10 LS7738 1973" 1.7' above ground-Rec.
3	1629998.396	3121297.681	5520.33	2 7/8" brass cap "DMWW R/W COND10 382+00 LS7738 1973" 1.8' above ground-Rec.
4	1630689.309	3122021.377	5532.75	2 7/8" brass cap "DMWW R/W COND10 392+00 LS7738 1973" 2.4' above ground-Rec.
5	1630863.303	3122253.697	5536.04	2 7/8" brass cap "DMWW R/W COND10 PI394+95.41 LS7738 1973" 1.9' above ground-Rec.
6	1631191.399	3122670.993	5521.04	2" alum. cap "CDOT 6" flush with ground, set
7	1631544.575	3123381.597	5464.50	3 1/2" brass cap "CORPS OF ENGINEERS U S ARMY SURVEY MARK" 1995 LS 28656" w/center mark flush with ground-Rec.
8	1631735.074	3124607.179	5448.83	3 1/2" brass cap "CORPS OF ENGINEERS U S ARMY SURVEY MARK" 1995 LS 28656" w/center mark flush with ground-Rec.
9	1631708.650	3125189.362	5420.07	2" alum. cap "CDOT 9" flush with ground, set
10	1631689.032	3125984.678	5412.91	2" alum. cap "CDOT 10" flush with ground, set
11	1632038.280	3127377.376	5393.40	2" alum. cap "CDOT 11" flush with ground, set
12	1632145.728	3127936.133	5390.16	3 1/4" Alum cap "CDOH Control Monument" .8' above ground on finned rod-Rec.
13	1632276.065	3128503.341	5385.55	2" alum. cap "CDOT 13" flush with ground, set
14	1632282.792	3128900.504	5375.10	2" alum. cap "CDOT 14" flush with ground, set
15	1632128.731	3129074.007	5379.53	2" alum. cap "CDOT 15" flush with ground, set
16	1632155.542	3129298.972	5379.70	2" alum. cap "CDOT 16" flush with ground, set
17	1631987.028	3129507.637	5380.51	2" alum. cap "CDOT 17" flush with ground, set
18	1632111.704	3129258.003	5379.76	3 1/4" alum cap "15S R68W 1999 S31 200'WC LS9329" .1' above grnd.-Rec.
20	1631889.428	3123978.954	5483.33	3 1/2" brass cap "CORPS OF ENGINEERS U S ARMY SURVEY MARK" flush with grnd., S.1/4 S.36 per monument records-Rec.
21	1630220.128	3122847.226	5531.05	3 1/4" alum cap "CDOH 3.085068" in PVC sleeve inside a 14" dia conc. cylinder .7' above grnd-Rec.
22	1633954.724	3118565.648	5551.78	3 1/4" alum cap "CDOH 3.080077" .3' below grnd. in PVC sleeve-Rec.
23	1631900.319	3126489.922	5405.44	3 1/2" brass cap "CORPS OF ENGINEERS U S ARMY SURVEY MARK" in conc. cylinder, Sec. cor.1/6 per monument records-Rec.
25	1639347.795	3135464.537	5396.39	3 1/4" alum cap "CDOH MINERAL LS13212 1990" 0.8' below ground in PVC sleeve-Rec.
28	1625659.787	3117517.313	5520.30	5/8" stainless rod .4' below top of PVC sleeve w/alum. ring stamped "Q401 1984" in conc. at ground level NGS PID KK1465-Rec.

GENERAL NOTES

1. This Control Diagram is prepared for Colorado Department of Transportation purposes only. This survey is not a complete boundary survey.
2. 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.
3. Field survey control precision computed to +/- 0.03 m. with a 95% certainty and are expressed to a higher order for the purpose of achieving the same published bearing and distance when inversing.
4. BASIS OF BEARINGS:
   All bearings are grid bearings of the Colorado State Plane Coordinate System of 1983(1991), Central Zone. The bearing from point 21 to point 25 being N.54° 07' 02"E.
5. BASIS OF ELEVATION:
   Elevations are based on NGS published benchmark designation T409 (PID KK1467). The monument is a stainless steel rod without sleeve (10ft ±) through 5" logo cap in range box stamped T409 1984. NAVD 88 vertical datum is 1704.794m and 5593.15ft.; Vertical Order-First Class II. All points of elevation were established by differential leveling.
6. Elevations were run to an accuracy of +/- 0.035 ft. times the square root of the distance traversed in miles and are published to a higher accuracy to attain values as used for topography.
7. To convert project coordinates to State Plane coordinates multiply by the combined scale factor of 0.9997073597.

Surveyor's Statement:

I, _____, a Professional Land Surveyor in the State of Colorado do hereby state that this Survey Control Diagram was prepared, and the field survey it depicts was performed, under my responsible charge; is based upon my knowledge, information and belief; and was executed in accordance with applicable standards of practice. This statement is not a guaranty or warranty, either expressed or implied.

_____

PLS No. _____ Date: _____