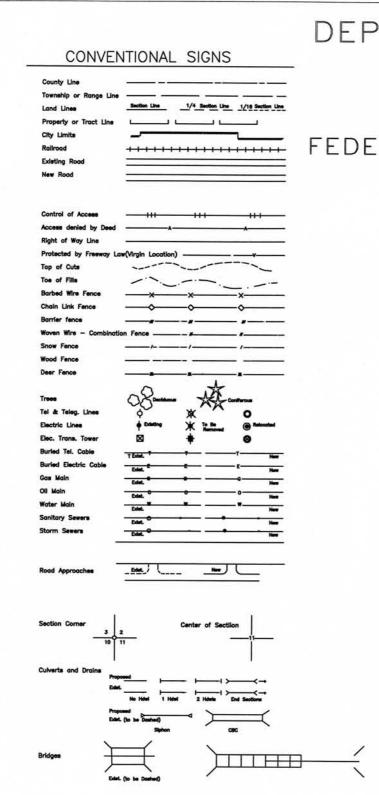
| Computer File Informa | tion | Colorado | Department of Transportation | | Sheet Revisions | | Sheet Revisions | RIGHT OF WAY PLAN SHEET | |
|---|-----------------|------------------------------|---------------------------------------|----------|------------------------|---------------------------------------|-----------------|--|----------------|
| Creation Date: | Initials: | | | | ADD FHWA SIGNATURE BLK | 21 | | TO SECURITY OF SECURITY AND PROPERTY OF SECURITY OF SE | |
| Last Modification Date: 17 JUL 00 | Initials: AC | DOT | Region I Right of Way | 10-20-98 | ADD PHWA SIGNATURE BLK | R1 | | Project No. BR 0741-006 | |
| Full Path: C:\PROJECTS\FINALS\SH74BRIDGES | | | 18500 E. COLFAX | | | * * * * * * * * * * * * * * * * * * * | | IDLEDALE STRUCTURES | |
| Drawing File Name: SH1 | | DEPARTMENT OF THRESPORTATION | AURORA, CO 80011 | | | * 11 V2 | | IBLEBALE STRUCTURES | |
| | UNITS: FEET/MET | | Phone: 303-757-9117 FAX: 303-757-9746 | | | | | Project Code: ROW 10584 | Sheet Number 1 |



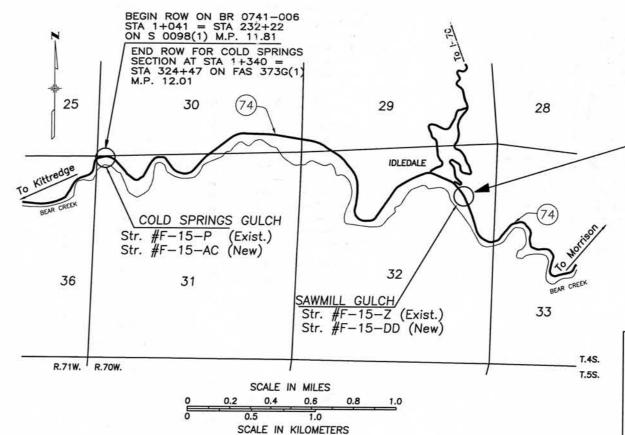
DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

RIGHT OF WAY PLAN OF PROPOSED

FEDERAL AID PROJECT NO. BR 0741-006 STATE HIGHWAY NO. 74

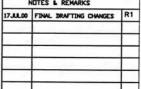
> JEFFERSON COUNTY RIGHT OF WAY

ROW LENGTH OF PROJECT: 361M ≅ 1184 FT. ≅ 0.23 MI.



FED. ROAD DIVISION PROJECT NUMBER SHEET 1 NOTES & REMARKS

RIGHT OF WAY IDLEDALE BRIDGES



INDEX OF SHEETS

- 1. TITLE SHEET
- 2. TABULATION OF PROPERTIES
- 3. CONTROL DIAGRAM SHEET RECORDED EARLIER-SEE SHEET 4
- 4. MONUMENTATION SHEET
- 5 6 DETAIL PLAN SHEETS
- 7.- 8 OWNERSHIP MAP (DELETED) SEE PLAN SHEET FOR OWNERSHIP

BEGIN ROW ON BR 0741-006 (SAW MILL GULCH SECTION) STA 5+187= STA 198+75 ON NRS 373 D M.P. 14.55

END ROW FOR SAW MILL GULCH SECTION AT STA 5+249 = STA 1986+72 ON NRS 373 D M.P. 14.59

SECTIONS 31 and 32 TOWNSHIP 4 SOUTH RANGE 70 WEST

SECTIONS 36 TOWNSHIP 4 SOUTH RANGE 71 WEST

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DATE

R.O.W. SUBACCOUNT: 10584 CONST SUBACCOUNT: 10584

DATE: SEPT.,1998 REGION ONE

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on a grid bearing of N 47° 10′ 26″ E from SH 74 CM-MP 11.83 to SH 74 CM-MP 12.00 (Cold Springs Site) and S 64° 27′ 41″ E from SH 74 CM-MP 14.4 to SH 74 CM-MP 14.5 (ALL BEING A SET CDOT TYPE 2 MONUMENT) as determined by GLOBAL POSITIONING SYSTEM SURVEY

INFORMATI OF WAY OF THE COUNTY LAND SURVEYS/RIGHT

RECEPTION NUMBER

DAY

| Computer | File | Information | |
|-------------------------|-----------|-------------|------|
| Creation Date: | | Initials | : |
| Last Modification Date: | 17 SEP | 01 Initials | : AC |
| Full Path: C:\PROJECTS | S\FINALS\ | SH74BRIDGES | |
| Drawing File Name: | TAB2 | | |
| Acad Vos D13 | Coole | United | A. |



Colorado Department of Transportation Region I Right of Way

Phone: 303-757-9117 FAX: 303-757-9746

| | Sheet Revisions | | Sheet Revisions | RIGHT OF WAY TAB SHEET |
|----------|--------------------------------|-----|-----------------|--|
| 11-03-98 | ADD SUBDV INFO PAR 3 & 4 | R 1 | | Project No. BR 0741-006 |
| 11-13-98 | CHANGE SE1A TO PAR 1A | R 1 | | Project No. BK 0741-000 |
| 01-29-99 | ADD RIPRAP TO SE2, 2A PURPOSE | R 1 | | IDLEDALE STRUCTURES |
| 03-30-99 | REV PAR 4,5,5A. ADD PAR 5R,5AR | R 1 | | Desired Code paw 19591 |
| 09-17-01 | ADD RECEPTION NO'S | R 1 | | Project Code ROW: 10584 Sheet Number 2 |

R.O.W. TABULATION OF PROPERTIES IN JEFFERSON COUNTY S.H. NO. 74

| FEDERAL ROAD REGION NO. | DIVISION | PROJECT NO. | SHEET NO. |
|----------------------------|----------|-------------|-----------|
| प्रा | COLORADO | BR 0741-006 | 2 |

RIGHT OF WAY IDLEDALE STRUCTURES

| OWNER | ADDRESS | LOCATION | 2.502.22 | 1000 March | | ACRES | | | | REMARKS | 117 30L 00 1 | INAL DRAFTING CHECK | |
|--|---|---|---|--|---|--|--|--|--|--|--|---------------------|--|
| | | | PARCEL | NET AREA | LEFT | RIGHT | PARCEL NO. | | | | | | |
| CITY & COUNTY OF DENVER DENVER MOUNTAIN PARKS | DENVER , COLORADO 80204 | N.E 1/4 SECTION 36 T 4 S, R 71 W | 23314S.F. 0.535 AC. 0.078 AC 3409SF 13575 SF 0.312 AC | | ~ 370 Ac. | | SE1 1A TE1 | FOR ROADWAY SLOPE (RECORDING INFORMATION AVAILABLE AT COOT STAFF R.O.W 4201 E. ARKANSAS, DENVER, CO. 80222) | | | | | |
| GENESEE WATER & SANITATION DISTRICT | 23455 CURRANT DR. GOLDEN, COLORADO 80828 | N.W. 1/4 SECTION 31 T 4 S, R 70 W | 5355 S.F. 0.123 AC. 2958 S.F. 0.068 AC. | - | ~ 0.6 Ac. | ~ 0.9 Ac. | SE2 | FOR ROADWAY SLOPE RIPRAP (SE2 &SE2A AT RECEPT. NO. F0872755) FOR ROADWAY SLOPE RIPRAP | | | | | |
| MATTHEW & DEBRA CERNY | 21540 SH 74 IDLEDALE, COLORADO 80453 | LOT 1 STARBUCK HEIGHTS N.E 1/4 SECTION 32 T 4 S, R 70 W | 525 S.F. 0.012 AC. | | | ~0.5AC | 3 | FOR ROADWAY SLOPE RECEPT. NO. F0872753 | | | | | |
| BRUCE J. HUNGATE. | | LOT 9 STARBUCK HEIGHTS N.E 1/4 SECTION 32 T 4 S, R 70 W | 1734 SF 0.040 AC | | | | 4REV | FOR ROADWAY SLOPE RECEPT. NO. F0872756 | | | | | |
| JOHN G. STARBUCK | 3469 E. EASTER PL. LITTLETON, CO. 80122 | N.E. 1/4 SECTION 32 T 4 S, R 70 W | 0.072 AC 3116 SF .091 AC 3956 SF 0.029 AC 1266 SF 0.362 AC 15771 SF | | 0.5 AC | 0.1 AC | 5REV 5A REV 5R 5AR | PAR 5REV & 5A REV — RECEPT. REMAINDER PARCEL | NO. F087 | | | | |
| MICHAEL K. KEHOE | 21430 BEAR CREEK DR. IDLEDALE, CO. 80453 | N.E 1/4 SECTION 32 T 4 S, R 70 W | 0.129 AC 5611 SF | | | 1.3 AC | 6 | FOR ROADWAY SLOPE & DRAINAGE STRUCTUR RECEPT NO. F0872752 | E | March 1 | | | |
| GEORGE E. BAILEY | P.O. BOX 150064 LAKEWOOD, COLO 80215 | N.E 1/4 SECTION 32 T 4 S, R 70 W | 0.058 AC 2509 SF | | 0.6 AC | | 7 | FOR ROADWAY SLOPE & DRAINAGE STRUCTURI RECEPT. NO. F0872754 | E | | | | |
| | GENESEE WATER & SANITATION DISTRICT MATTHEW & DEBRA CERNY BRUCE J. HUNGATE. JOHN G. STARBUCK MICHAEL K. KEHOE | DENVER MOUNTAIN PARKS DENVER, COLORADO 80204 GENESEE WATER & 23455 CURRANT DR. GOLDEN, COLORADO 80828 MATTHEW & DEBRA CERNY 21540 SH 74 IDLEDALE, COLORADO 80453 BRUCE J. HUNGATE. JOHN G. STARBUCK 3469 E. EASTER PL. LITTLETON, CO. 80122 MICHAEL K. KEHOE 21430 BEAR CREEK DR. IDLEDALE, CO. 80453 GEORGE E. BAILEY P.O. BOX 150064 | DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W GENESEE WATER & 23455 CURRANT DR. GOLDEN, COLORADO 80828 MATTHEW & DEBRA CERNY MATTHEW & DEBRA CERNY BRUCE J. HUNGATE DENVER , COLORADO 80828 LOT 1 STARBUCK HEIGHTS N.E 1/4 SECTION 32 T 4 S, R 70 W LOT 9 STARBUCK HEIGHTS N.E 1/4 SECTION 32 T 4 S, R 70 W JOHN G. STARBUCK JOHN G. STARBUCK MICHAEL K. KEHOE 21430 BEAR CREEK DR. IDLEDALE, CO. 80453 MICHAEL K. KEHOE P.O. BOX 150064 LAKEWOOD, COLO 80215 N.E 1/4 SECTION 32 T 4 S, R 70 W | DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W 0.535 AC. 0.078 AC 3409SF 13575 SF 0.312 AC SANITATION DISTRICT GOLDEN, COLORADO 80828 MATTHEW & DEBRA CERNY DILEDALE, COLORADO 80453 BRUCE J. HUNGATE. DENVER , COLORADO 80453 DENVER , COLORADO 80828 N.W. 1/4 SECTION 31 T 4 S, R 70 W 2958 S.F. 0.068 AC 0.072 AC 1734 SF 0.012 AC 1734 SF 0.040 AC 1734 SECTION 32 T 4 S, R 70 W DILT 1 STARBUCK HEIGHTS N.E 1/4 SECTION 32 T 4 S, R 70 W DILT 1 STARBUCK HEIGHTS N | DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W 0.535 AC. 0.078 AC. 3409SF 13575 SF 0.312 AC GENESEE WATER & SANITATION DISTRICT GOLDEN, COLORADO 80828 MATTHEW & DEBRA CERNY IDLEDALE, COLORADO 80453 BRUCE J. HUNGATE DENVER , COLORADO 80453 DENVER , COLORADO 80453 LOT 1 STARBUCK HEIGHTS N.E 1/4 SECTION 32 T 4 S, R 70 W 1734 SF 0.012 AC. 174 S, R 70 W DITTUTE TON, CO. 80122 DENVER , COLORADO 80215 N.W. 1/4 SECTION 31 S255 S.F. 0.123 AC. 174 S, R 70 W 1734 SF 0.012 AC. 1734 SF 0.040 AC 1752 SF 0.040 AC 1753 SF 0.0558 AC. 0.555 AC. 0.125 AC. 0.127 AC. 0.718 AC. 0.518 AC. 0.545 AC. 0.555 AC. 0.127 AC. 0.128 AC. 0.174 SECTION 32 T 4 S, R 70 W DITTUTE TON, CO. 80122 MICHAEL K. KEHOE 1754 SECTION 32 T 4 S, R 70 W 0.072 AC 3116 SF 0.091 AC 3956 SF 0.029 AC 1266 SF 0.362 AC 15771 SF MICHAEL K. KEHOE 17571 SF N.E 1/4 SECTION 32 T 4 S, R 70 W 0.129 AC 5611 SF 0.058 AC | DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W 0.078 AC 3409SF 13575 SF 0.312 AC GENESEE WATER & 23455 CURRANT DR. GOLDEN, COLORADO 80828 MATTHEW & DEBRA CERNY DEDVER MOUNTAIN PARKS DENVER , COLORADO 80828 N.W. 1/4 SECTION 31 5355 S.F. 0.123 AC T 4 S, R 70 W 2958 S.F. 0.068 AC. DEDVER MOUNTAIN PARKS DEDVER , COLORADO 80828 N.W. 1/4 SECTION 31 5355 S.F. 0.123 AC T 4 S, R 70 W DEDVER MOUNTAIN PARKS DEDVER AC 3409SF 13575 SF 0.312 AC T 4 S, R 70 W DEDVER MOUNTAIN PARKS DEDVER AC 3409SF 13575 SF 0.123 AC DEDVER MOUNTAIN PARKS N.W. 1/4 SECTION 31 5355 S.F. 0.123 AC DEDVER MOUNTAIN PARKS DEDVER AC 3409SF 13575 SF 0.123 AC DEDVER MOUNTAIN PARKS N.W. 1/4 SECTION 32 525 S.F. 0.012 AC DEDVER MOUNTAIN PARKS N.E 1/4 SECTION 32 1734 SF 0.012 AC DEDVER MOUNTAIN PARKS N.E 1/4 SECTION 32 1734 SF 0.040 AC DEDVER MOUNTAIN PARKS N.E 1/4 SECTION 32 0.072 AC STARBUCK HEIGHTS N.E 1/4 SECTION 32 0.072 AC S | DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W 0.078 AC 34095F 13575 SF 13575 SF 0.312 AC 0.2958 S.F. 0.088 AC 0.09 AC 0.078 AC 0.34095F 13575 SF 0.123 AC 0.123 AC 0.123 AC 0.123 AC 0.072 AC 0.012 AC 0.013 AC 0.012 AC 0.012 AC 0.012 AC 0.013 AC 0.012 AC 0.012 AC 0.012 AC 0.013 AC 0.012 AC 0.012 AC 0.012 AC 0.040 AC 0.040 AC 0.05AC 0.5AC | DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W 0.078 AC 3409SF 13575 SF 123 AC 0.12 AC 0.12 AC MATTHEW & DEBRA CERNY DEDVELOP STARBUCK HEIGHTS N.E. 1/4 SECTION 32 T 4 S, R 70 W DEDVELOP STARBUCK HEIGHTS N.E. 1/4 SECTION 32 T 4 S, R 70 W DITTURETON, CO. 80122 DITTURETON, CO. 80122 MICHAEL K. KEHOE DENVER , COLORADO 80215 DENVER , COLORADO 802015 N.E. 1/4 SECTION 32 T 4 S, R 70 W DENVER , COLORADO 802015 T 4 S, R 70 W DENVER , COLORADO 802015 T 4 S, R 70 W DENVER , COLORADO 802015 T 4 S, R 70 W DENVER , COLORADO 802015 T 4 S, | DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S. R 71 W 0.078 AC 3409SF 1757 GENESEE WATER & SANITATION DISTRICT GOLDEN, COLORADO 80828 N.W. 1/4 SECTION 31 T 4 S. R 70 W 17 | DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W DENSEE WATER & 23455 CURRANT DR. GOLDEN, COLORADO 80828 T 4 S, R 70 W DENVER MOUNTAIN PARKS DENVER , COLORADO 80828 N.W. 1/4 SECTION 31 T 4 S, R 70 W DENVER MOUNTAIN PARKS DENVER , COLORADO 80828 T 4 S, R 70 W DENVER , COLORADO 80828 N.W. 1/4 SECTION 32 T 4 S, R 70 W DENVER , COLORADO 80828 DENVER , COLOR | DENVER MOUNTAIN PARKS DENVER , COLORADO 80204 T 4 S, R 71 W 0.0539 AC 0.078 AC 34995F 13575 SF 13575 SF 13575 SF 13575 SF 0.312 AC 0.78 AC 34995F T 4 S, R 70 W 2588 SF 0.123 AC 0.124 AC 0.125 AC 0.125 AC 0.125 AC 0.125 AC 0.125 AC 0.126 AC 0.136 AC 0.137 AC 0.126 AC 0.126 AC 0.137 AC 0.126 AC 0.126 AC 0.138 AC 0.126 AC 0.138 AC 0.126 AC 0.127 AC 0.13 AC 0.05 AC 0.14 AC 0.1577 SF 0.06 AC 0.15 AC 0. | | |

DEPOSITED THIS DAY OF , 19 , AT , M., FOR INFORMATION ONLY IN BOOK OF THE COUNTY LAND SURVEYS/RIGHT OF WAY SURVEYS AT PAGE , RECEPTION NUMBER . . .

| Comput | er File | Info | ormo | ation | |
|-----------------------|------------|------|------|-----------|--------|
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| Last Modification Dat | e: JAN/04/ | 1999 | | Initials: | DAS |
| Full Path: D:\10584 | | | | | |
| Drawing File Name: 1 | 0584CSD | | | | |
| Acad Ver. 13_c4 | Scale: 1 c | m = | 50m | Units: N | METERS |

Colorado Department of Transportation Region I Right of Wa

18500 E. COLFAX AURORA, CO 80011 303-757-9744 FAX: 303-Phone:

Joseph P. Conw

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| -757-9746 Oy | |

| Revisions | Revisions | CONTROL SURVE PLAN SH | |
|-----------|-----------|--------------------------|-----------------|
| | | BR 074 | 1-006 |
| | | Idledale St | tructures |
| | | Project Code: 10584 | Sheet Number: 3 |
| | | 1 | _ |

SH 74 MP 11.2 to MP 12.0

Secs. 30 and 31, T. 4 S., R. 70 W., 6th P.M. Secs. 25 and 36, T. 4 S., R. 71 W., 6th P.M. JEFFERSON COUNTY, COLORADO

GEODETIC COORDINATE SUMMARY TABLE (ADJUSTED FIELD DATA)

Survey Coordinator

| FREEDOMETHEE ELECTRICITION | GEODETIC COORDINATE | S NAD-83(92) (CHARN) | ELEV. | MAPPING | SCALE | NAD 83(92) ZONE 0502 | |
|---|--|---|--|--|---|--|---|
| POINT NAME | LATITUDE(N) | LONGITUDE(W) | (NGVD '29)m | ANGLE | SCALE | NORTHING (m) | EASTING (m) |
| SH 74 CM-MP 11.83 SH 74 CM-MP 12.00 SH 74 CM-MP 12.00 SH 74 CM-MP 12.12 CDDH BRASS CAP IN POST 337+25.9 RT CDDH BRASS CAP IN POST 331+94.0 LT CDDH BRASS CAP IN POST 331+97.? LT CDDH BRASS CAP IN POST 326+18.3 LT CDDH BRASS CAP IN POST 325+27.8 RT 1.5' DIA ALUM CAP NW COR SEC 31 T4S R70W N 1/4 SEC 31 T4S R70W | 39° 39′ 55.44552′ N 39° 40′ 1.27953′ N 39° 39′ 57.11476′ N 39° 39′ 56.31729′ N 39° 39′ 58.97167′ N 39° 39′ 59.80053′ N 39° 40′ 1.04235′ N 39° 40′ 0.80140′ N 39° 40′ 0.20629′ N 39° 40′ 0.79501′ N | 105* 16' 37.73788' W 105* 16' 29.55312' W 105* 16' 23.45745' W 105* 16' 38.89871' W 105* 16' 33.65654' W 105* 16' 29.86047' W 105* 16' 27.73017' W 105* 16' 33.64595' W 105* 16' 33.64595' W 105* 15' 59.41312' W 105* 15' 56.5705' W | 2034.098 2041.329 2045.908 2038.786 2036.369 2035.397 2029.744 2064.249 2030.918 2038.891 2033.82 2103.27 | 0* 8' 25.97834' 0* 8' 31.14038' 0* 8' 34.98486' 0* 8' 25.24622' 0* 8' 28.39190' 0* 8' 30.94654' 0* 8' 32.29010' 0* 8' 29.08897' 0* 8' 28.55908' 0* 8' 50.14937' 0* 8' 8.37001' | 0.99984360 0.999984639 0.999984439 0.99998450 0.999984528 0.99998456 0.999984567 0.999984664 0.999984616 0.999984618 | 508202.642 508383.047 508254.964 508229.459 508311.614 508337.416 508375.840 508334.670 508368.060 508413.442 508366.019 | 933524.13 933718.78 933864.35 933496.40 933615.08 933621.13 933711.56 933762.24 933641.37 933621.26 934437.09 |

PROJECT COORDINATE SUMMARY TABLE (ADJUSTED FIELD DATA)

| PROJECT C | DORDINATES | ELEV(m) | DESCRIPTION | |
|--|---|--|--|--|
| NORTH (n) | EAST (m) | ELEVIN | DESCRIPTION | |
| 8374.834 8555.301 8427.175 8401.661 8483.844 8489.125 8509.654 8548.091 8506.907 8540.309 8585.706 | 33840.442 34035.150 34180.810 33812.698 33931.420 33937.475 34027.935 34078.633 33957.716 33937.601 34753.703 | 2034.098 2041.329 2045.908 2038.786 2036.369 2035.397 2029.744 2064.249 2030.918 2038.891 2033.82 | CDOT Type II Control Monument CDOT Type II Control Monument CDOT Type II Control Monument CDOH Brass R-O-W Cap in Concrete Post Found chipped aluminum cap LS ?2405 Found 3-1/4' brass cap Found stone with chiseled '1/4' Found stone with chiseled '1/4' | |
| | NORTH (n) 8374.834 8555.301 8427.175 8401.661 8483.844 8489.125 8509.654 8548.091 8506.907 8540.309 | 8374.834 33840.442 8555.301 34035.150 8427.175 34180.810 8401.661 33812.698 8483.844 33931.420 8489.125 33937.475 8509.654 34027.935 8548.091 34078.633 8506.907 33957.716 8540.309 33937.601 8585.706 34753.703 | NORTH (n) EAST (n) ELEV(m) | |

CONSTRUCTION SURVEYING AND MONUMENTATION REQUIREMENTS:

- 1). This Control Survey Diagram represents the horizontal and vertical control for the project established by the Department. It is possible that some of the survey control monuments listed have been disturbed or obliterated. It is the Contractor's responsibility to verify the existence and stability of the control monuments before
- All Type 1 and Type 2 monuments shall be set flush with the ground. Witness posts shall be installed 1 foot from and facing all Type 1 and Type 2 monuments, or as directed by the Project Engineer.
- Installation of Type 3 and Type 3-A monuments shall be completed in the same day that installation is commenced. Under no circumstances shall holes in the roadway be left open overnight.
- 4). When installing Type 3-A monuments, the aluminum access cover shall be positively secured to the PVC pipe with screws or glue. The access cover shall be caulked with asphalt caulking between the cover and the edges of the roadway surface to provide a positive moisture barrier around the access cover.
- 5). Control survey procedures, statistical analysis, and accuracy obtained for horizontal and vertical control shall be documented in the field book
- 6). Legible copies of the field books shall be submitted to the Project Engineer for review on a monthly basis.
- 7). It is ultimately the prime Contractors responsibility to insure that these requirements, as well as any contained in the CDOT specifications, project special provisions, and CDOT Survey Manual are fulfilled under this contract.
- 8). The minimum staking intervals for each item are described on the plans or in the CDDT Survey Manual. If the contractor wishes to reduce the minimum intervals, a Contract Modification Order must be negotiated and the cost of the item reduced



CM-MP - Control Monuments were set by CDDT. They were CDDT type 2 monuments, a $3-1/4^{\prime}$ dia. aluminum control monument cap (as shown) on a 3' X $3/4^{\prime}$ dia. finned aluminum security rod on a 3' X $3/4^{\prime}$ dia. smooth duminum rod.

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on a grid bearing of N 47°10'26' E from SH 74 CM-MP 11.83 to SH 74 CM-MP 12.00 as obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

BASIS OF ELEVATIONS: Project is based on a Colorado Department of Highways benchmark located on the downstream headwall of the Swede Gulch Bridge on State Highway 74 in Kittredge. The benchmark has a NGVD '29 elevation of 6746.37 feet (2056.298 m) as obtained from FEMA mappanel 245 of 650 for Jefferson County, Map Revised July 4, 1989.

COORDINATE DATUM: Project coordinates are modified Colorado State Plane Central Zone NAD '83(92) coordinates. State Plane coordinates were nodified to a mean project elevation of 2060.000m. The combined elevation/scale correction factor used to modify the coordinates was 1.0003388267. Project Coordinates were truncated by 500,000 in the Northing and 900,000 in the Easting after conversion from state plane coordinates. The CHARN is based on the NAD '83 (92) datum.

NDTE: This control survey is for the use of Colorado Department of Transportation personnel. The survey is not a complete boundary survey and does not subdivide land. Title policy, title commitment, and title research were not part of this control survey, therefore, easements, rights, and restrictions of record are not shown. The verification of the physical evidence with relation to easements, rights of way, property boundaries, and restrictions, as described in the instruments of record, was not included in this control survey.

NOTE: 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.

SURVEYORS STATEMENT: I, Kevin A. Williams, a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my supervision this 20th day of March, 1998, from a field survey performed under my supervision from Dec. 1996 to Dec. 1997, and checking for and on behalf of the Department of Transportation, State of Colorado, and is not a Land Survey Plat or Right-of-Way Survey Plat and to the best of my knowledge and belief this control survey, as shown, meets the minimum horizontal control tolerances of a Type B Survey.

Kevin A. Williams L.S. 28294

THE 5 6 DAY

| Computer File Information | | | Revisions | | Revisi | ons | CONTROL SURVI | EY DIAGRAM |
|---|--|-------------------------|---|---|---------------------------|--|--|-----------------|
| Creation Date: MAR/06/1998 Initials: KAW | Colorado Department of Transportation | 1/4/99 | | DAS | | | PLAN SI | HEET |
| Last Modification Date: JAN/04/1999 Initials: DAS | Region I Right of Way | | | | | | BR 074 | 11-006 |
| Full Path: D:\10584\csd\ | AURORA CO 80011 | | | | | | Idledale S | Structures |
| Drawing File Name: 10584CSD Acad Ver. 13_c4 | Survey Coordinator Joseph P. Conway | | | | | | Project Code: 10584 | Sheet Number: 3 |
| SE 1/4 Sec. 25 FOUND: STONE WITH CHISELED "+" N 1/4 SEC 36 T4S R71W GPS PROJECT STATION N: 8538.267 E: 33174.360 N 89*50'4 763.244 | FOUND: 1-1/4" PLASTIC CAP LS 15619 N: 8562.820 E: 33782.247 FOUND: 1-1/4" PLASTIC CAP LS 15619 N: 8562.820 E: 33782.247 | FOL CDC GPS N: | T4S R70W TION SET: SH 74 CM-MP 12.00 GPS PROJECT STATION N: 8555.301 E: 34035.150 CDOH BRA GPS PROJ N: 8548.0 E: 34078. | ASS CAP IN PRECT STATION 91 633 ND: H BRASS CAP PROJECT STATOO 509.654 4027.935 7.7 LT GPS II N: 84 E: 34 EL:20 | 81 IN POST 326+18.3 LT | 48'58' E 7.364n | FOUND: STONE N 1/4 SEC 31 GPS PROJECT N: 8585.706 E: 34753.703 | |
| NE . | 1/4 Sec. 36 | | | NW 1 | 1/4 Sec. 31 | | | |
| ORIGINAL SCALE 1cm=50m | L SOCIETA | W G N: E: O to a si | UND: STONE WITH CHISELED "+" 1/4 SEC 31 T4S R70W S PROJECT STATION 7751.163 33935.196 graded found 4"x7"x6" stone a set 30"x2-1/2" pipe with 3-1/4" aluminum cap stamped shown: T4S R71W R70W S 36 S 31 1998 | | | Sta. + Sta. + EI. P. W. TYPICAL CI R-0-W | | |





INFORMAT OF WAY

SURVEYS/RIGHT

DAY OF

DEPOSITED ONLY IN BO SURVEYS AT

CONTROL SURVEY DIAGRAM

BR 0741-006 SH 74 MP 14.3 to MP 14.6 Section 32, T. 4 S., R. 70 W., 6th P.M. JEFFERSON COUNTY, COLORADO

PROJECT COORDINATE SUMMARY TABLE (ADJUSTED FIELD DATA FEET)

| 001117 114115 | PROJECT C | DORDINATES | ELEV(ft) | DESCRIPTION | | | |
|--|--|--|--|--|--|--|--|
| POINT NAME | NORTH (Ft) | EAST (Ft) | ELEVITO | DESCRIPTION | | | |
| S.H. 74 CM-MP 14.3 S.H. 74 CM-MP 14.4 S.H. 74 CM-MP 14.5 S.H. 74 CM-MP 14.6 | 167802.86 167807.21 167672.69 167208.38 | 72389.99 72886.42 73167.96 73615.74 | 6465.46 6458.00 6455.49 6444.36 | CDDH TYPE 2 CONTROL MONUMENT CDDH TYPE 2 CONTROL MONUMENT CDDH TYPE 2 CONTROL MONUMENT CDDH TYPE 2 CONTROL MONUMENT | | | |



TYPICAL:
Found: CDDH RDW Markers, stamped as shown.

OFFT OF HIGH

TYPICAL: CM-MP-C control Monuments were set by CDDT. They were CDDH type 2 monuments, a 3-1/4' dia. aluminum control monument cap (as shown) on a 3' \times 3/4' dia. Finned aluminum security rod on a 3' \times 3/4' dia. Smooth aluminum cod

PROJECT COORDINATE SUMMARY TABLE (ADJUSTED FIELD DATA METERS)

| agents time | PROJECT COORDING | ELEV(m) | DESCRIPTION | | |
|--|--------------------------------|--|---|--|--|
| POINT NAME | NORTH (A) EA | AST (m) | DESCRIPTION | | |
| S.H. 74 CM-MP 14.3 S.H. 74 CM-MP 14.4 S.H. 74 CM-MP 14.5 S.H. 74 CM-MP 14.6 | 51147.740 223 51106.738 223 | 064.513 1970.676 215.825 1968.402 301.639 1967.637 438.122 1964.245 | CDDH TYPE 2 CONTROL MONUMENT | | |

CONSTRUCTION SURVEYING AND MONUMENTATION REQUIREMENTS:

- 1). This Control Survey Diagram represents the horizontal and vertical control for the project established by the Division. It is possible that some of the survey control monuments listed have been disturbed or obliterated. It is the Contractor's responsibility to verify the existence and stability of the control monuments before submitting a bid price.
- 2). All Type 1 and Type 2 monuments shall be set flush with the ground. Witness posts shall be installed 1 foot from and facing all Type 1 and Type 2 monuments, or as directed by the Project Engineer.
- Installation of Type 3 and Type 3-A monuments shall be completed in the same day that installation is commenced. Under no circumstances shall holes in the roadway be left open overnight.
- 4). When installing Type 3-A monuments, the aluminum access cover shall be positively secured to the PVC pipe with screws or glue. The access cover shall be caulked with asphalt caulking between the cover and the edges of the roadway surface to provide a positive moisture barrier around the access cover.
- Control survey procedures, statistical analysis, and accuracy obtained for horizontal and vertical control shall be documented in the field book.
- Legible copies of the field books shall be submitted to the Project Engineer for review on a monthly basis.
- 7). It is ultimately the prime Contractors responsibility to insure that these requirements, as well as any contained in the CDDT specifications, project special provisions, and CDDT Survey Manual are fulfilled under this contract.
- 8). The minimum staking intervals for each item are described on the plans or in the CDDT Survey Manual. If the contractor wishes to reduce the minimum intervals, a Contract Modification Order must be negotiated and the cost of the item reduced accordingly.

BASIS OF BEARINGS: Bearings used in the calculation of coordinates are based on a grid bearing of S 64.27.41° E from S.H. 74 CM-MP 14.4 to S.H. 74 CM-MP 14.5.

BASIS OF ELEVATIONS: Project is based on a assumed elevation of 1968.402 meters or 6458.000 feet on a CDOH aluminum cap, set in a range box in the centerline of S.H. 74, stamped with M.P. 14.4.

NOTE: This control survey is for the use of Colorado Department of Transportation personnel. The survey is not a complete boundary survey and does not subdivide land. Title policy, title commitment, and title research were not part of this control survey, therefore, easements, rights, and restrictions of record are not shown. The verification of the physical evidence with relation to easements, rights of way, property boundaries, and restrictions, as described in the instruments of record, was not included in this control survey.

NDTE: 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.

SURVEYORS STATEMENT: I, Kevin A. Williams, a Professional Land Surveyor in the State of Colorado, hereby state that this Control Survey Diagram was prepared under my supervision this 26th day of August, from a field survey performed under my supervision from July 16th, 1996 to August 1st, 1996, and checking for and on behalf of the Department of Transportation, State of Colorado, and is not a Land Survey Plat or Right-of-Way Survey Plat and to the best of my knowledge and belief this control survey, as shown, meets the minimum horizontal control tolerances of a Type B Survey.

Kevin A. Williams L.S. 28294

Creation Date: MAR/06/1998 Initials: LCY 1/15/99 Added meters project coord. summary table DAS

Last Modification Date: 1/15/99 Initials: DAS

Full Path: C:\PROJECTS\SH74\10587\

Drawing File Name: 10587CSD.DWG

Acad Ver. R13 Scale: SCALE Units: METERS

Colorado Department of Transportation



Region 1 Construction 18500 E Colfax Avenue Aurora, Colorado 80011 Phone: 303-757-9744 FAX: 303-757-9746

| ELMINETAL OF 1990 | Or Ottonion | | |
|-------------------|-------------|--|--|
| Survey | Coordinator | | |

| As Constructed | CURVEY CONTROL DIACRAM | BR 0741-006 | |
|----------------|---|---------------------|--|
| No Revisions: | SURVEY CONTROL DIAGRAM | Idledale Structures | |
| Revised: | Idledale Structures | 10584 | |
| Void: | Sheet Subset: Survey Subset Sheets: 1/2 | Sheet Number 3B | |

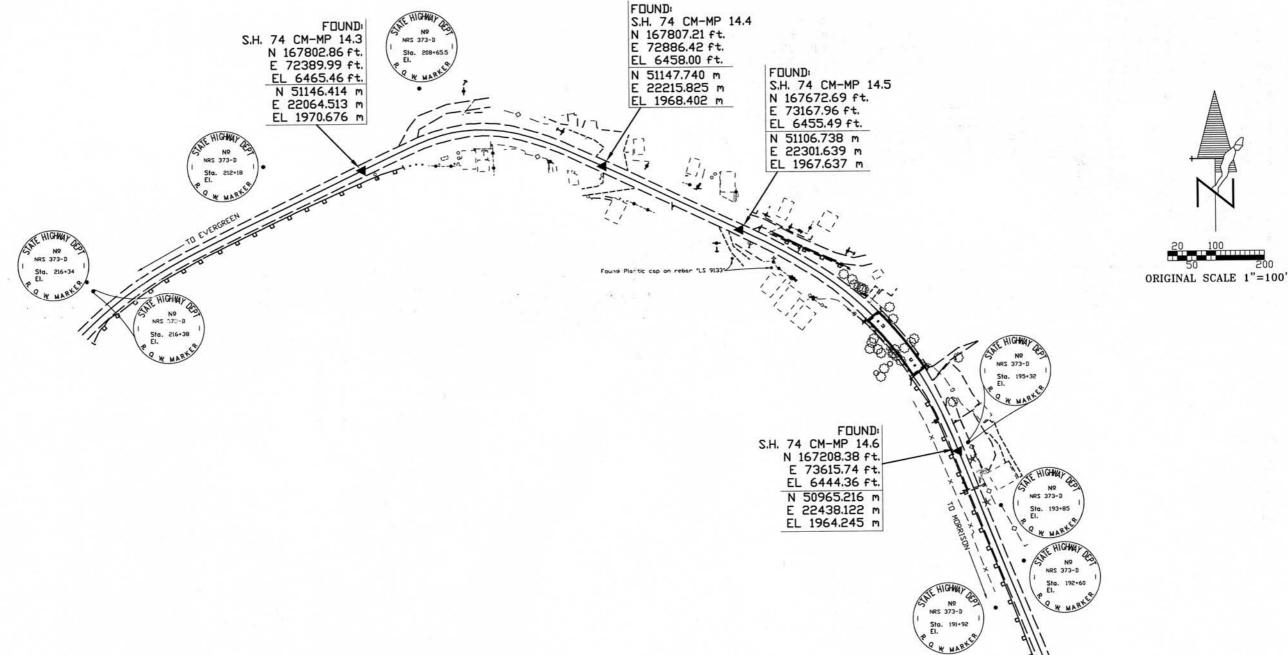
C:\PROJECTS\SH74\10587\ 15 JAN. 1999 10:30:00 PLOT/EDIT by DAN S.

d.

DEPARTMENT OF TRANSPORTATION - STATE OF COLORADO CONTROL SURVEY DIAGRAM

BR 0741-006 SH 74 MP 14.3 to MP 14.6

Section 32, T. 4 S., R. 70 W., 6th P.M. JEFFERSON COUNTY, COLORADO FOUND: S.H. 74 CM-MP 14.4 FOUND: N 167807.21 ft. S.H. 74 CM-MP 14.3 E 72886.42 ft. EL 6458.00 ft.



| Computer | File Informa | ation | | | Sheet Revisions | |
|-------------------------|---------------|-----------|-----|---------|--------------------------------|-----|
| Creation Date: | MAR/06/1998 | | LCY | 1/15/99 | Added meters to CM coordinates | DAS |
| Last Modification Date: | 1/15/99 | Initials: | DAS | | | |
| Full Path: C:\PRC | JECTS\SH74\10 | 587\ | | | | |
| Drawing File Name: 10 |)584CSD | | | | | _ |
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| Colorado | Department | of | Transportation |
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| | Pegion 1 Construct | ion | |

Region 1 Construction 18500 E Colfax Avenue Aurora, Colorado 80011 Phone: 303-757-9744 FAX: 303-757-9746 JPC

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|------------------|-------------|--|
| Survey | Coordinator | |

| | 4111 | |
|----------------|---|---------------------|
| As Constructed | CURVEY CONTROL DIACRAM | BR 0741-006 |
| No Revisions: | SURVEY CONTROL DIAGRAM | Idledale Structures |
| Revised: | Idledale Structures | 10584 |
| Void: | Sheet Subset: Survey Subset Sheets: 2/2 | Sheet Number 3C |

| Computer | File | Inf | orm | ation | |
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| Last Modification Date: | OCTOBE | R 4, | 2001 | Initials: | AC |
| Full Path: C:\PROJECTS | \FINALS\ | SH74 | BRIDGE | S | |
| Drawing File Name: | SH3 | | | | |

R14 Scale:

Acad Ver.

DAY OF 19_, 4T __,M., FOR INFORMA'
OF THE COUNTY LAND SURVEYS/RICHT OF WAY
, RECEPTION NUMBER _____.

| | Colorado |
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| | DOT |
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| NO. | of the sections |

Colorado Department of Transportation Region I Right of Way

18500 E. COLFAX AURORA, CO 80011

| AUNUNA, | 00 00011 | | | 1 |
|---------|--------------|------|--------------|---|
| Phone: | 303-757-9117 | FAX: | 303-757-9746 | Ì |

| RIGHT OF WAY PLAN SHEET |
|--|
| Project No. BR 0741-006 |
| |
| IDLEDALE STRUCTURES |
| Project Code ROW: 10584 Sheet Number |
| FED. ROAD REGION DIVISION PROJ. NO. SHEET SHEET TOTALS |
| |

CONTROL AND MONUMENTATION SHEET

| POINT No. O | | DINATES | | | | | | |
|-------------|-----------|-----------|------|----------|-----|-------|----------|--------|
| | North | East | | | | | | |
| 222 | 51054.651 | 22358.366 | | | | | | |
| 250 | 51058.077 | 22359.494 | | | | | | |
| 1257 | 51038.819 | 22371.363 | | | | | | |
| 1260 | 51022.316 | 22368.459 | | | | | | |
| 1262 | 50993.661 | 22391.930 | | | | | | |
| 1263 | 51000.526 | 22408.653 | | | | | | |
| 1276 | 51059.353 | 22398.577 | | | | | | |
| 1277 | 51062.780 | 22413.640 | | | | | | |
| | | | | | | | | |
| 1369 | 51020.838 | 22424.869 | | | | | | |
| 1370 | 51046.131 | 22429.271 | | | | | | |
| 1620 | 8441.470 | 33922.158 | | | | | | |
| 1625 | 8467.969 | 33937.381 | | | | | | |
| 1630 | 8489.194 | 33937.445 | (NEW | MONUMENT | SET | AFTER | ORIGINAL | BURIED |

Units: NA

| : | SURVEY CONTROL | POINT TABULATION | | |
|-----------|----------------|------------------|--|--------|
| POINT No. | coo | RDINATES | REMARKS | |
| Δ | NORTH | EAST | The state of the s | |
| 112 | 8540.3090 | 33937.601 / N | E COR SEC.36-NW COR SEC 31(FOUND 3.25 | "B.C.) |
| 401 | 51425 657 | 22605 926 / NI | F COR SEC 32 FROM GPS | |

SEE CONTROL SURVEY DIAGRAM FOR REMAINING CONTROL POINT COORDINATES

| QUANTI | TIES | OF | MON | UME | NTS | TO E | BE S | ET |
|-------------------|---------------|----|-----|-----|-----|------|------|----|
| | MONUMENT TYPE | | | | | | | |
| CAP TYPE | 1 | 1A | 2 | 2A | 3 | 3A | 4 | 5 |
| REFERENCE | | | | | | | | |
| RIGHT OF WAY | 13 | | | | | | | |
| CONTROL | | | | | | | | |
| ALIQUOT CORNER | | | | | | | | |
| SLOPE EASEMENT | | | | | | | | |

| GENERAL | NOTES |
|---------|-------|

VIII

Right of Way

IDLEDALE STRUCTURES

COLO.

1. This Right of Way plan is not a complete boundary survey of all adjoining owners and is prepared for Transportation Department purposes only.

BR 0741-006

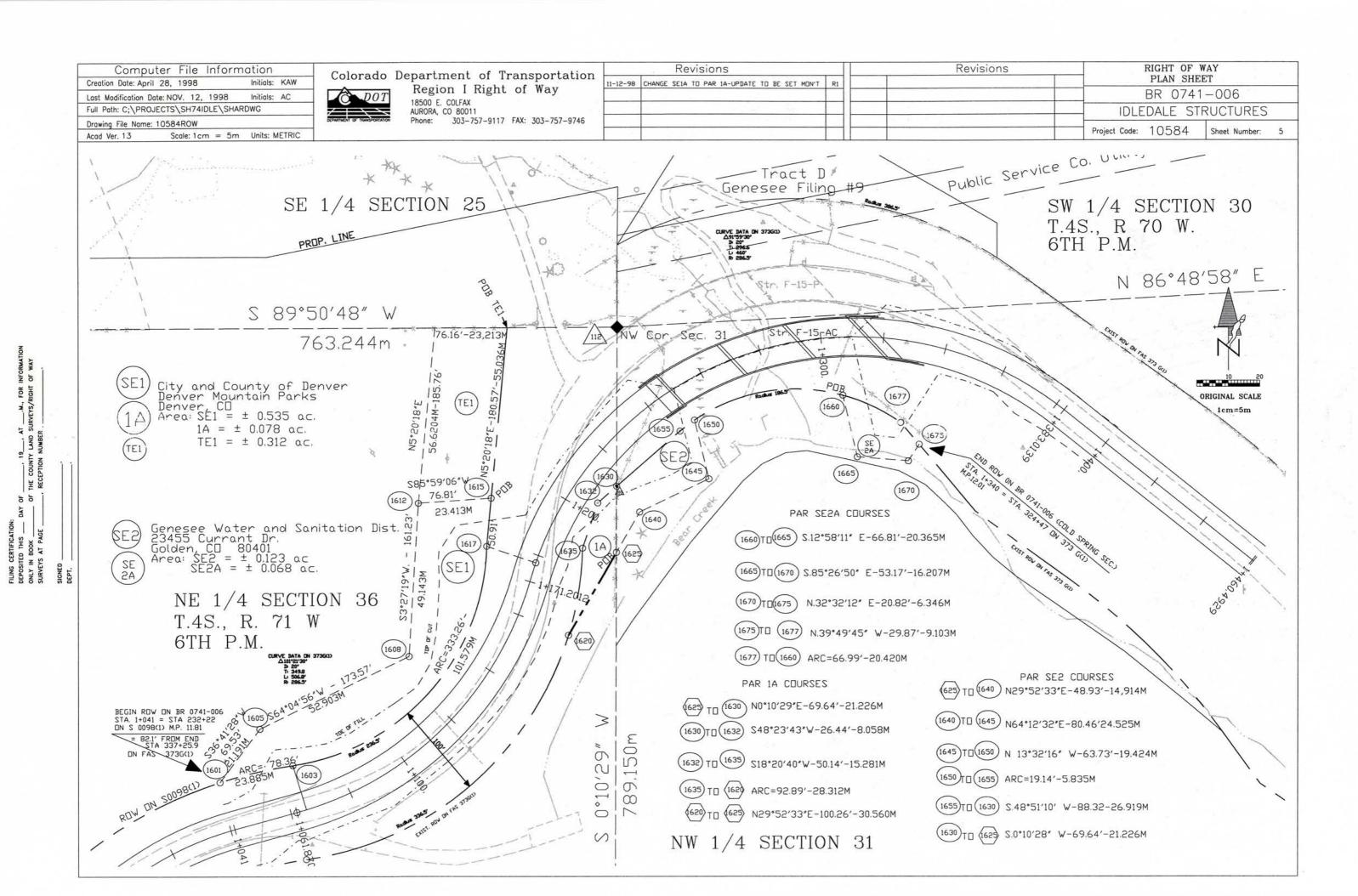
4

NOTES & REMARKS

07-17-00 FINAL COORDINATE CHECK R1 08-24-01 FINAL COORDINATE CHECK R1

- 2. Field survey control precision computed to exceed $\underbrace{1}_{}$ in $\underbrace{20,000}_{}$.
- 3. Memorandum of Ownerships supplied COLO. DEPT. OF TRANSPORTATION.
- 4. 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.
- 5. All R.O.W. Markers set from survey control points.
- 6. All centerline and offset stationing is theoretical only and may not represent the centerline as constructed in the field.
- 7. All coordinates listed are assumed project coordinates.
- Control Survey Diagram Recorded at Reception NO. F0602392, in 1998.

| SURVEYOR CERTI | FICATE (FIELD) |
|--|---|
| checking. | ion has some and hij supernoon and |
| Name | P.L.S. No |
| Date | _ |
| SURVEYOR CERTI | FICATE (OFFICE) |
| R.O.W. Plans and Legal Description and checking. | ions were prepared under my supervision |
| Name | P.L.S. No |
| Date | _ |



| Computer File Inform | ation | |
|--|-----------|-----|
| Creation Date: JUN/09/1998 | Initials: | KAW |
| Last Modification Date: 14 AUG 00 | Initials: | AC |
| Full Path: C:\PROJECTS\FINALS\SH74BRIDGE | S | |
| Drawing File Name: 10587ROW13 | | |

Acad Ver. 13

DAY OF 19 AT ... M., FOR INFORMATION OF THE COUNTY LAND SURVEYS/RIGHT OF WAY ... RECEPTION NUMBER

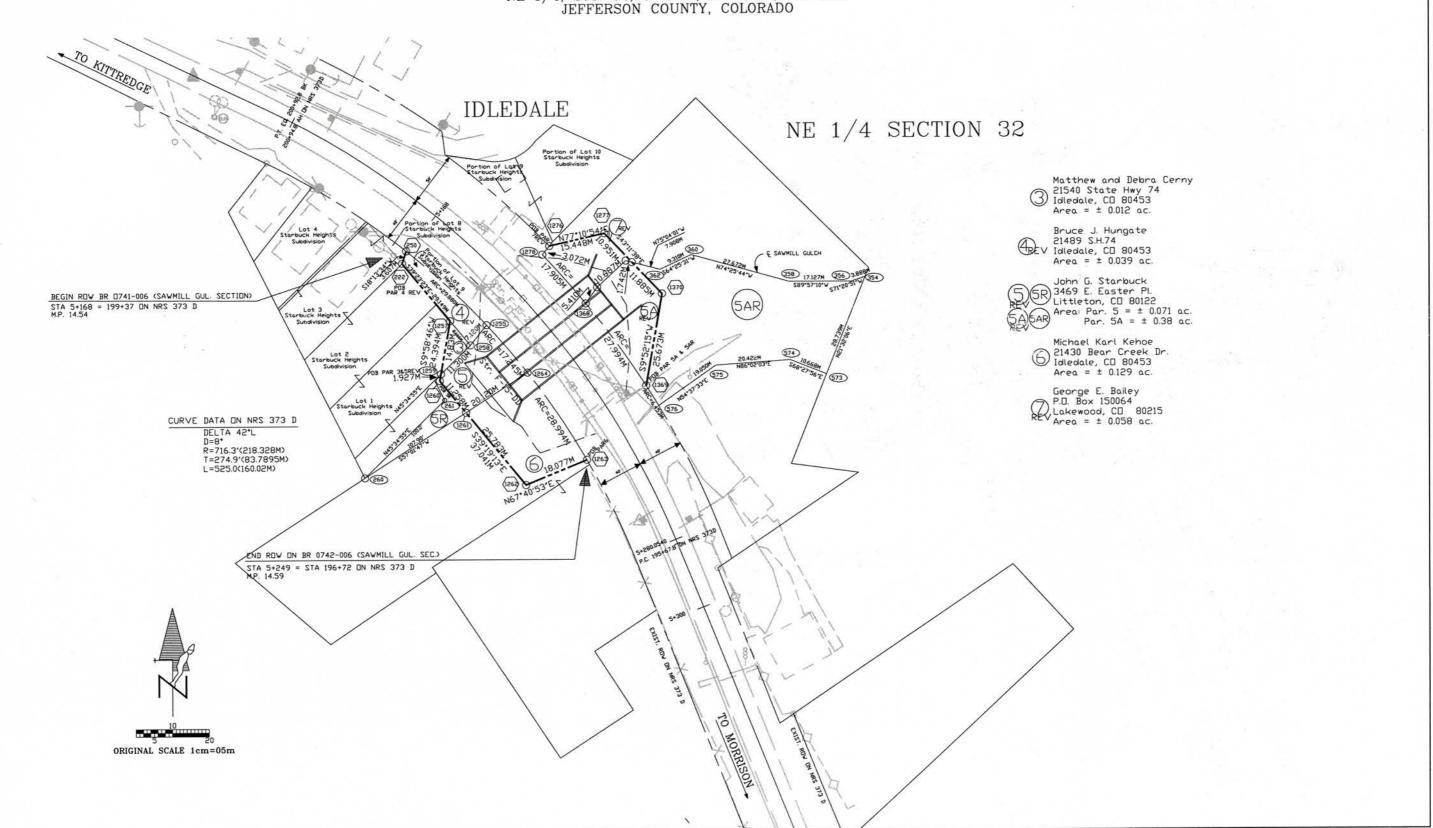
Scale: 1CM = 05M Units: METERS

Colorado Department of Transportation
Region I Right of Way

Region I Right of Way 18500 E. COLFAX AURORA, CO 80011 Phone: 303-757-9117 FAX: 303-757-9746

| Revisions | | Revisions | RIGHT OF WAY | | | |
|--|-----|-----------|---------------------|-----------------|--|--|
| 22 Mar 99 ADD OWNER PAR 4 R 1 | | | PLAN SHE | | | |
| 25 Mar 99 REV. PAR.4 - ADD PAR 5R | R 1 | | BR 0741- | -006 | | |
| 30 Mar 99 CORRECT PAR 4 THRU 7 COURSE DATA | R 1 | 7 | IDIFDALE ST | RUCTURES | | |
| 14 AUG OO DRAFTING IMPROVEMENTS | R 1 | 1 0 , | Project Code: 10584 | Sheet Number: 6 | | |

SH 74 MP 14.0 to MP 15.0 NE 1/4, Sec. 32, T. 4 S., R. 70 W., 6th P.M. JEFFERSON COUNTY, COLORADO



THIS SHEET NOT ON FILE AT COUNTY
EXPANDED SCALE NECESSARY
FOR (1/2 SIZE) CLARITY HERE
ONLY, (FULL SZ, FILED AT COUNTY)

| Computer File Information Creation Date: JUN/09/1998 Initials: KAW | Colorado Department of Transportation | Revisions 22 Mar 99 ADD OWNER PAR 4 R 1 | | Revisions | RIGHT OF WAY PLAN SHEET | |
|---|--|--|--|---------------------------------------|---|--|
| Last Modification Date: 14 AUG 00 Initials: AC | Region I Right of Way | 25 Mar 99 REV. PAR.4 - ADD PAR 5R | R 1 | · · · · · · · · · · · · · · · · · · · | BR 0741-006 | |
| Full Path: C:\PROJECTS\FINALS\SH748RBGES Drowing File Name: 10587ROW13 | 18500 E. COLFAX AURORA, CO 80011 Phone: 303-757-9117 FAX: 303-757-9746 | 30 Mar 96 CORRECT PAR 4 THRU 7 COURSE DATA 14 AUG OC DRAFTING IMPROVEMENTS | R 1 | | IDLEDALE STRUCTURES | |
| Acad Ver. 13 Scale: 1CM = 5M Units: METERS | | | | | Project Code: 10584 Sheet Number: 6A | |
| | SH 7 NE 1/4, Sec. JEFFE | 74 MP 14.0 to MP 15.0 32, T. 4 S., R. 70 W., 6th I RSON COUNTY, COLORADO | Р.М. | | | |
| | Levies . | | m _ | | | |
| Starbuck Height's Subdivision | Portion of ot 8 Starbuck Heights Suballyision 250 | 1278 N77-10'54 15,448M 2 | | 5:04:01°W 7:308M 360 | ∕ € SAWMILL GULCH | |
| ECSH ROV SR 0741-006 CSAMULL GAL SECTION STA 5-168 = 199-197 DN NRZ 379 B NR. 14.54 | SIR A REV LIST SING | Taglit Land | No. of the second | p (1370) | 358 17.127M 356 3.888M \$89°57′10°W \$71°20′51°W | |
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| T=274.9'(83.7895M) L=525.0(160.02M) | (260) | 1262 0 18.07 1262 0 153 E] | | | | |
| | ETA 5+249 = STA 196+72 IN NRS 371 | 11 | 2005 | 0 15 ON MRS 3730 | | |