



2000 South Holly  
Denver, CO 80222  
Phone: 303-757-9922 FAX: 303-757-9390

Region 6

SLK

Sheet Revisions

| Date     | Description | Initials |
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Concrete Express  
2027 West Colfax Avenue  
Denver, CO 80204  
303-562-2000



Land Survey ControlDiagram

Title Sheet

Project Number: BR 2854-113

Project Location: S.H. 285 , Federal Blvd to Kipling

Milepost 253 to 258

| Project Code: | Last Mod. Date | Subset       | Sheet No. |
|---------------|----------------|--------------|-----------|
| 15577         | 01-03-11       | 3.01 of 3.09 | 3.01      |

DEPARTMENT OF TRANSPORTATION  
STATE OF COLORADO  
LAND SURVEY CONTROL DIAGRAM

State Highway 285 MP 253 to 258

Sections 31 AND 32 T4S, R68W; Sections 5 AND 6 T5S, R68W;

Sections 34, 35 AND 36 T4S, R69W; Sections 1, 2, and 3 T5S, R69W;

of the 6th Principle Meridian

Counties of Jefferson, Denver and Arapahoe

SHEET NO.

3.01-3.01

3.02-3.04

3.05-3.09

INDEX OF  
SHEETS

(1) Title Sheet

(3) Coordinate Tables

(5) Plan Sheet

(09) Total Sheets

General Notes:

1. This Land Survey ControlDiagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only. It is not a Boundary Survey, Land Survey Plat or Right of Way Plat and does not address matters of title.

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 ProfessionalLand Surveyor hereon named.

3. Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2006 found in The Colorado Department of Transportation, M & S Standards for typicalsurvey monument descriptions.

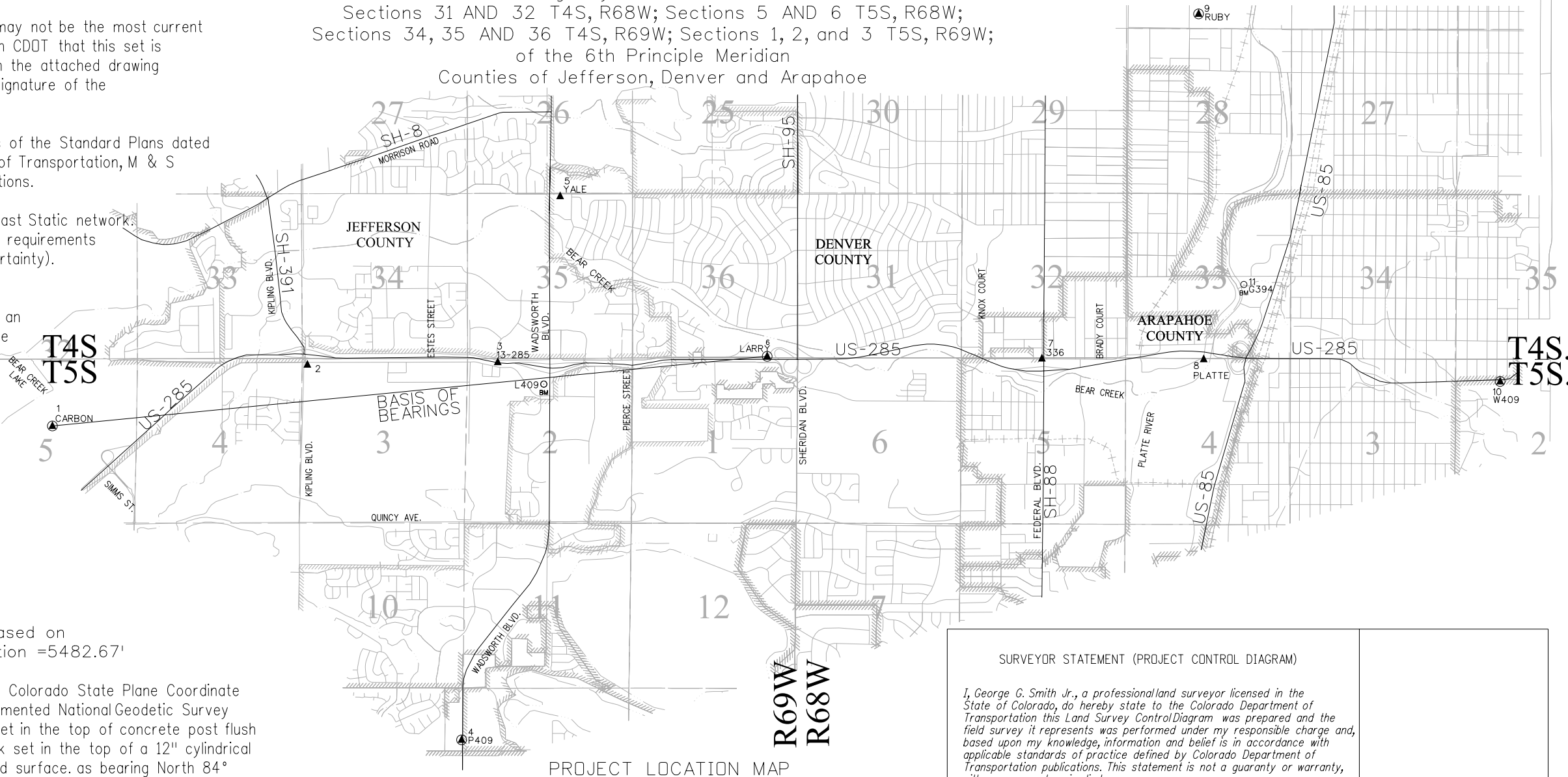
4. HorizontalControl was determined by a Fast Static network. HorizontalControl tolerances meet the precision requirements of CDOT type A control(+/- 0.07' with 95% certainty).

5. Elevations on project controlpoints were established by electronic differentiallevels with an accuracy meeting or exceeding 0.035' times the square root of the distance leveled in miles.

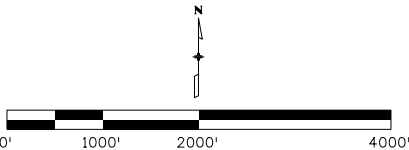
6. Basis of Elevation: Elevations are based on NGS Benchmark L409. NAVD 88 elevation =5482.67'

7. Basis of Bearings: Bearings are based on the Colorado State Plane Coordinate System, Central Zone, NAD 1983 (2007) as monumented National Geodetic Survey Control Stations "Larry" being a standard disk set in the top of concrete post flush with the ground and "Carbon" is a standard disk set in the top of a 12" cylindrical concrete monument two inches below the ground surface. as bearing North 84° 26'09" East".

8. Project coordinates are modified Colorado Central Zone State Plane coordinates in U.S. Survey Feet. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0002727944. To Convert NAD 83 (2007) State Plane, Colorado Central Zone, coordinates to project coordinates.  
(State Plane Northing in USFT x 1.0002727944) - 1,000,000 = Project Northing  
(State Plane Easting in USFT x 1.0002727944) - 3,000,000 = Project Easting



PROJECT LOCATION MAP



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, George G. Smith Jr., a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Land Survey 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 No. 19003

CERTIFICATE OF DEPOSIT:

THIS LAND SURVEY CONTROL DIAGRAM WAS FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK AND RECORDER OF THE COUNTY OF ARAPAHOE AT (A.M./P.M.) ON THE \_\_\_ DAY OF \_\_\_\_\_ A.D., 20\_\_\_ IN BOOK \_\_\_, PAGE \_\_\_, MAP \_\_\_, RECEPTION NO. \_\_\_\_.

Colorado Department of Transportation



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Concrete Express  
2027 West Colfax Avenue  
Denver, CO 80204  
303-562-2000



Land Survey ControlDiagram

Coordinate Tables

Project Number: BR 2854-113

Project Location: S.H. 285, Federal to Kipling

Milepost 253 to 258

| Project Code: | Last Mod. Date | Subset       | Sheet No. |
|---------------|----------------|--------------|-----------|
| 15577         | 01-03-11       | 3.02 of 3.09 | 3.02      |

GEODETIC COORDINATES SUMMARY TABLE (FEET) (EXISTING PRIMARY CONTROL, Held Fixed in adjustment)



| NAD 83(2007) |                  |                   |                  |                   |                   |               |    |                   |                  |
|--------------|------------------|-------------------|------------------|-------------------|-------------------|---------------|----|-------------------|------------------|
| Point Number | Latitude (N)     | Longitude (W)     | Ellipsoid Height | Convergence Angle | Grid Scale Factor | Description   |    | State Plane NORTH | Coordinates EAST |
| 1            | 39°38'52.23544"N | 105°08'16.51655"W | 5729.73          | 0°13'42"          | 0.999981388       | 1065 CARBON   | 1  | 1661058.6258      | 3101958.0812     |
| 4            | 39°37'12.38456"N | 105°05'29.68258"W | 5527.85          | 0°15'27"          | 0.999976886       | 1065 NGS P409 | 4  | 1651010.9484      | 3115053.1218     |
| 6            | 39°39'13.25710"N | 105°03'23.93653"W | 5336.08          | 0°16'47"          | 0.999982366       | 1065 Larry    | 6  | 1663287.0775      | 3124833.0564     |
| 9            | 39°41'00.89494"N | 105°00'26.65783"W | 5337.49          | 0°18'38"          | 0.999987536       | 1065 RUBY     | 9  | 1674249.4906      | 3138639.3875     |
| 10           | 39°39'04.08049"N | 104°58'24.09995"W | 5325.16          | 0°19'56"          | 0.999981938       | 1065 W409     | 10 | 1662483.7760      | 3148289.3425     |
| 11           | 39°39'35.21184"N | 105°00'08.73680"W | 5217.69          | 0°18'50"          | 0.999983398       | 1076 G394     | 11 | 1665587.5511      | 3140087.9194     |



BM

GEODETIC COORDINATES SUMMARY TABLE (FEET) (NEW PROJECT GEODETIC CONTROL)



| NAD 83(2007) |                  |                   |                  |                   |                   |                                      |   |                   |                  |
|--------------|------------------|-------------------|------------------|-------------------|-------------------|--------------------------------------|---|-------------------|------------------|
| Point Number | Latitude (N)     | Longitude (W)     | Ellipsoid Height | Convergence Angle | Grid Scale Factor | Description                          |   | State Plane NORTH | Coordinates EAST |
| 2            | 39°39'11.20867"N | 105°06'32.10631"W | 5470.65          | 0°14'48"          | 0.999982270       | 1075 Set # 8R Rebar w/3.5" AC "CP 2" | 2 | 1663012.2235      | 3110116.7060     |
| 3            | 39°39'11.72884"N | 105°05'14.18211"W | 5431.25          | 0°15'37"          | 0.999982294       | 1075 13-285                          | 3 | 1663091.8186      | 3116211.1730     |
| 5            | 39°40'04.13713"N | 105°04'48.36492"W | 5336.17          | 0°15'53"          | 0.999984776       | 1075 Yale                            | 5 | 1668403.8422      | 3118205.9041     |
| 7            | 39°39'12.04854"N | 105°01'31.51875"W | 5261.51          | 0°17'58"          | 0.999982309       | 1075 Type 5 "CP 336"                 | 7 | 1663209.2147      | 3133626.1595     |
| 8            | 39°39'11.54136"N | 105°00'25.33141"W | 5226.52          | 0°18'39"          | 0.999982286       | 1075 Platte 3-1/4" CDDT AL. CAP      | 8 | 1663185.4642      | 3138803.1267     |

PROJECT SPECIFIC COORDINATES SUMMARY TABLE (FEET)



| GROUND COORDINATES |            |            |                   |                                            |
|--------------------|------------|------------|-------------------|--------------------------------------------|
| POINT #            | NORTH      | EAST       | LEVELED ELEVATION | DESCRIPTION                                |
| 1                  | 661511.753 | 102804.278 | 0.00              | 1065 CARBON                                |
| 2                  | 663465.884 | 110965.128 | 5524.04           | 1075 Set # 8R Rebar w/3.5" AC "CP 2"       |
| 3                  | 663545.501 | 117061.258 | 5485.12           | 1075 13-285                                |
| 4                  | 651461.335 | 115902.891 | 5581.37           | 1065 NGS P409                              |
| 5                  | 668858.973 | 119056.533 | 0.00              | 1075 Yale                                  |
| 6                  | 663740.813 | 125685.493 | 0.00              | 1065 Larry                                 |
| 7                  | 663662.929 | 134480.995 | 0.00              | 1075 Type 5 "CP 336"                       |
| 8                  | 663639.172 | 139659.375 | 0.00              | 1075 Platte 3-1/4" CDDT AL. CAP            |
| 9                  | 674706.217 | 139495.591 | 5393.09           | 1065 RUBY                                  |
| 10                 | 662937.292 | 149148.178 | 0.00              | 1065 W409                                  |
| 11                 | 666041.914 | 140944.518 | 5273.16           | 1076 G394                                  |
| 99                 | 663940.110 | 139807.423 | 0.00              | 1075 3.034016 - 3 1/4 AL CAP               |
| 100                | 662981.544 | 118474.554 | 5494.08           | 1075 1.5"ac cp100                          |
| 101                | 663182.945 | 118729.911 | 5476.25           | 1075 3.25"ac in brick median cdot 3.036076 |
| 102                | 663401.187 | 118725.382 | 5473.08           | 1075 3.25" ac cdot 3.036076                |
| 103                | 663460.773 | 117909.855 | 5483.91           | 1075 3.25"ac cdot 3.035078                 |
| 104                | 663277.381 | 118630.376 | 5496.17           | 1075 3.25"bc-lakewood robin march 1974     |
| 105                | 663448.630 | 119433.078 | 5475.69           | 1075 3.25"ac cdot 3.035074                 |

| GROUND COORDINATES |            |            |                   |                                      |
|--------------------|------------|------------|-------------------|--------------------------------------|
| POINT #            | NORTH      | EAST       | LEVELED ELEVATION | DESCRIPTION PPC=1¼" PINK PLASTIC CAP |
| 106                | 663494.650 | 118771.458 | 5470.35           | 1075 3.25" Alum. Cap CDDT            |
| 107                | 663604.482 | 118791.683 | 0.00              | 1075 3.25" Alum. Cap CDDT            |
| 108                | 663478.705 | 118667.264 | 5471.16           | 1075 3.25" Alum. Cap CDDT            |
| 150                | 663097.318 | 119087.505 | 5473.37           | 1075 #5bar w/ppc control point       |
| 151                | 663231.552 | 119498.962 | 5466.08           | 1075 #5bar w/ppc control point       |
| 152                | 663359.743 | 119891.140 | 5461.24           | 1075 #5bar w/ppc control point       |
| 153                | 663360.141 | 120289.212 | 5457.38           | 1075 #5bar w/ppc control point       |
| 154                | 663351.274 | 120693.505 | 5453.75           | 1075 #5bar w/ppc control point       |
| 155                | 663259.889 | 121100.588 | 5451.78           | 1075 #5bar w/ppc control point       |
| 156                | 663238.972 | 121320.362 | 5446.70           | 1075 #5bar w/ppc control point       |
| 157                | 663315.519 | 121733.857 | 5446.37           | 1075 #5bar w/ppc control point       |
| 158                | 663442.568 | 122131.801 | 5437.81           | 1075 #5bar w/ppc control point       |
| 159                | 663450.839 | 122530.805 | 5432.27           | 1075 #5bar w/ppc control point       |
| 160                | 663491.959 | 122924.133 | 5431.43           | 1075 #5bar w/ppc control point       |

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Concrete Express  
2027 West Colfax Avenue  
Denver, CO 80204  
303-562-2000



Land Survey ControlDiagram

Plan Sheet

Project Number: BR 2854-113

Project Location: S.H. 285, FederalBlvd to Kipling

Milepost 253 to 258

| Project Code: | Last Mod. Date | Subset       | Sheet No. |
|---------------|----------------|--------------|-----------|
| 15577         | 01-03-11       | 3.03 of 3.09 | 3.03      |

PROJECT SPECIFIC COORDINATES SUMMARY TABLE (FEET)

| GROUND COORDINATES |            |            |                   |                                |
|--------------------|------------|------------|-------------------|--------------------------------|
| POINT #            | NORTH      | EAST       | LEVELED ELEVATION | DESCRIPTION                    |
| 161                | 663444.481 | 123347.237 | 5427.80           | 1075 #5bar w/ppc control point |
| 162                | 663496.840 | 123753.969 | 5422.54           | 1075 #5bar w/ppc control point |
| 163                | 663499.388 | 124161.338 | 5417.44           | 1075 #5bar w/ppc control point |
| 164                | 663501.941 | 124423.879 | 5408.25           | 1075 #5bar w/ppc control point |
| 165                | 663505.707 | 124825.973 | 5400.19           | 1075 #5bar w/ppc control point |
| 166                | 663502.982 | 125225.047 | 5395.81           | 1075 #5bar w/ppc control point |
| 167                | 663442.912 | 125578.177 | 5395.15           | 1075 #5bar w/ppc control point |
| 168                | 663469.578 | 125957.848 | 5391.66           | 1075 #5bar w/ppc control point |
| 169                | 663117.691 | 126243.777 | 5395.28           | 1075 #5bar w/ppc control point |
| 170                | 663095.675 | 126547.695 | 5380.32           | 1075 #5bar w/ppc control point |
| 172                | 663726.215 | 125894.480 | 5384.24           | 1075 #5bar w/ppc control point |
| 173                | 663656.926 | 125540.964 | 5392.79           | 1075 #5bar w/ppc control point |
| 174                | 663659.921 | 124869.331 | 5396.40           | 1075 #5bar w/ppc control point |
| 175                | 663641.387 | 124576.037 | 5404.03           | 1075 #5bar w/ppc control point |
| 176                | 663638.292 | 124160.617 | 5419.17           | 1075 #5bar w/ppc control point |
| 178                | 663631.521 | 123317.526 | 5426.11           | 1075 #5bar w/ppc control point |
| 179                | 663630.945 | 122899.235 | 5428.06           | 1075 #5bar w/ppc control point |
| 180                | 663667.237 | 122698.133 | 5428.19           | 1075 #5bar in rb               |
| 181                | 663615.772 | 122264.159 | 5432.60           | 1075 #5bar w/ppc control point |
| 183                | 663547.946 | 121703.513 | 5441.23           | 1075 #5bar w/ppc control point |
| 185                | 663537.795 | 120918.359 | 5449.96           | 1075 #5bar w/ppc control point |
| 186                | 663574.014 | 120487.234 | 5453.86           | 1075 #5bar w/ppc control point |
| 187                | 663569.551 | 120001.213 | 5457.71           | 1075 #5bar w/ppc control point |
| 188                | 663560.876 | 119605.261 | 5459.32           | 1075 #5bar w/ppc control point |
| 189                | 663552.840 | 119158.723 | 5462.66           | 1075 #5bar w/ppc control point |
| 190                | 662994.733 | 118620.339 | 5479.77           | 1075 #5bar w/ppc control point |
| 191                | 663093.954 | 117986.013 | 5487.89           | 1075 #5bar w/ppc control point |

| GROUND COORDINATES |            |            |                   |                                |
|--------------------|------------|------------|-------------------|--------------------------------|
| POINT #            | NORTH      | EAST       | LEVELED ELEVATION | DESCRIPTION                    |
| 192                | 663345.715 | 117667.462 | 5487.37           | 1075 #5bar w/ppc control point |
| 193                | 663318.429 | 117257.355 | 5489.98           | 1075 #5bar w/ppc control point |
| 194                | 663485.816 | 116494.420 | 5485.36           | 1075 #5bar w/ppc control point |
| 195                | 663542.755 | 115673.224 | 5492.92           | 1075 #5bar w/ppc control point |
| 196                | 663497.945 | 114818.046 | 5493.62           | 1075 #5bar w/ppc control point |
| 197                | 663526.684 | 113963.483 | 5497.43           | 1075 #5bar w/ppc control point |
| 198                | 663525.479 | 113155.511 | 5503.40           | 1075 #5bar w/ppc control point |
| 199                | 663516.035 | 112337.390 | 5510.43           | 1075 #5bar w/ppc control point |
| 200                | 663516.351 | 111570.467 | 5517.99           | 1075 #5bar w/ppc control point |
| 201                | 663459.551 | 110845.833 | 5525.82           | 1075 #5bar w/ppc control point |
| 202                | 663933.276 | 110850.657 | 5519.47           | 1075 #5bar w/ppc control point |
| 203                | 663828.496 | 111234.391 | 5521.68           | 1075 #5bar w/ppc control point |
| 206                | 663697.679 | 111641.088 | 5516.13           | 1075 #5bar w/ppc control point |
| 207                | 663663.167 | 112021.106 | 5511.28           | 1075 #5bar w/ppc control point |
| 208                | 663658.877 | 112826.774 | 5507.72           | 1075 #5bar w/ppc control point |
| 209                | 663662.320 | 113641.786 | 5498.45           | 1075 #5bar w/ppc control point |
| 210                | 663689.847 | 114353.055 | 5505.45           | 1075 #5bar w/ppc control point |
| 211                | 663698.948 | 114627.261 | 5510.37           | 1075 #5bar w/ppc control point |
| 212                | 663760.164 | 114729.663 | 5488.49           | 1075 #5bar w/ppc control point |
| 213                | 663775.870 | 115129.393 | 5492.07           | 1075 #5bar w/ppc control point |
| 214                | 663712.329 | 115516.754 | 5487.05           | 1075 #5bar w/ppc control point |
| 215                | 663531.388 | 116906.663 | 5484.17           | 1075 #5bar w/ppc control point |
| 216                | 663516.255 | 117694.878 | 5481.11           | 1075 #5bar w/ppc control point |
| 217                | 663536.763 | 118540.123 | 5470.95           | 1075 #5bar w/ppc control point |
| 218                | 663451.080 | 126751.189 | 5359.31           | 1075 #5bar w/ppc control point |
| 219                | 663284.999 | 127109.965 | 5362.17           | 1075 #5bar w/ppc control point |
| 220                | 663529.146 | 127390.706 | 5355.45           | 1075 #5bar w/ppc control point |
| 221                | 663591.836 | 128162.050 | 5343.51           | 1075 #5bar w/ppc control point |
| 222                | 663686.824 | 128741.214 | 5330.13           | 1075 #5bar w/ppc control point |

| GROUND COORDINATES |            |            |                   |                                          |
|--------------------|------------|------------|-------------------|------------------------------------------|
| POINT #            | NORTH      | EAST       | LEVELED ELEVATION | DESCRIPTION                              |
| 223                | 663781.762 | 129421.000 | 5334.69           | 1075 #5bar w/ppc control point           |
| 224                | 663865.781 | 129938.077 | 5339.32           | 1075 #5bar w/ppc control point           |
| 225                | 663916.652 | 130293.642 | 5334.47           | 1075 #5bar w/ppc control point           |
| 226                | 663985.981 | 130707.191 | 5323.06           | 1075 #5bar w/ppc control point           |
| 227                | 663867.397 | 131500.187 | 5314.86           | 1075 #5bar w/ppc control point           |
| 228                | 663542.127 | 132512.887 | 5309.61           | 1075 #5bar w/ppc control point           |
| 229                | 663871.755 | 131811.057 | 5312.68           | 1075 #5bar w/ppc control point           |
| 230                | 664079.299 | 131267.918 | 5316.53           | 1075 #5bar w/ppc control point           |
| 231                | 663500.831 | 132800.000 | 5305.81           | 1075 #5bar w/ppc control point           |
| 232                | 663432.779 | 133651.591 | 5305.01           | 1075 #5bar w/ppc control point           |
| 234                | 663736.219 | 116125.090 | 5483.21           | 1075 #5bar w/ppc control point           |
| 235                | 664138.803 | 130909.335 | 0.00              | 1075 #5bar w/ppc control point           |
| 252                | 657034.538 | 118566.586 | 0.00              | 1075 3.25"ac in logo<br>box-cdot3.046076 |
| 255                | 663447.276 | 122037.178 | 5444.88           | 1075 #5bar w/ppc controlpoint            |
| 331                | 663216.257 | 134030.717 | 5309.07           | 1075 3-1/4" Alum. Cap "CP 331"           |
| 332                | 662982.357 | 134489.456 | 5298.05           | 1075 Type 5 mon "CP 332"                 |
| 333                | 663037.364 | 134599.691 | 5297.40           | 1075 3-1/4" Alum. Cap "CP 333"           |
| 334                | 663363.701 | 134589.420 | 5304.13           | 1075 Type 5 mon "CP 334"                 |
| 335                | 663360.112 | 134491.697 | 5303.99           | 1075 Type 5 mon "CP 335"                 |
| 337                | 663292.761 | 134965.747 | 5310.98           | 1075 3-1/4" Alum. Cap "CP 337"           |
| 350                | 663644.591 | 139783.110 | 0.00              | 1075 #5bar w/ppc control point           |
| 351                | 663210.796 | 135365.732 | 5302.62           | 1076 #5bar w/ppc control point           |
| 352                | 663241.789 | 135662.048 | 5299.23           | 1077 #5bar w/ppc control point           |
| 353                | 663343.485 | 135370.809 | 5301.62           | 1078 #5bar w/ppc control point           |
| 354                | 665981.646 | 140967.852 | 0.00              | 1079 #5bar w/ppc control point           |
| 355                | 663199.035 | 135299.599 | 5303.05           | 1075 No. 5 rebar                         |
| 356                | 663184.126 | 135213.237 | 5304.56           | 1075 No. 5 rebar                         |
| 365                | 662955.769 | 134720.359 | 5297.63           | 1099 No. 5 rebar                         |
| 408                | 662981.512 | 118441.502 | 0.00              | 1075 5rb bpc cnc exp                     |
| 478                | 663556.502 | 110913.510 | 5520.52           | 1075 5rb ppc cnt pnt                     |

Colorado Department of Transportation



2000 South Holly  
Denver, CO 80222  
Phone: 303-757-9922 FAX: 303-757-9390

Region 6

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Concrete Express  
2027 West Colfax Avenue  
Denver, CO 80204  
303-562-2000



Land Survey ControlDiagram

Plan Sheet

Project Number: BR 2854-113

Project Location: S.H. 285, FederalBlvd to Kipling

Milepost 253 to 258

| Project Code: | Last Mod. Date | Subset       | Sheet No. |
|---------------|----------------|--------------|-----------|
| 15577         | 01-03-11       | 3.04 of 3.09 | 3.04      |

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TABULATION OF  
FOUND BOUNDARY MONUMENT COORDINATE TABLE  
GROUND COORDINATES

| POINT # | NORTH      | EAST       | LEVELED ELEVATION | DESCRIPTION                      |
|---------|------------|------------|-------------------|----------------------------------|
| 14      | 663475.474 | 113438.415 | 5502.34           | 1080 3-1/4" ac                   |
| 177     | 663674.577 | 123653.019 | 5423.82           | 1075 1" bar in rb                |
| 180     | 663667.237 | 122698.133 | 5428.19           | 1075 No. 5 rebar in rb           |
| 182     | 663604.833 | 121903.214 | 5439.46           | 1078                             |
| 256     | 663538.480 | 134510.769 | 5311.92           | 1075 3.25"ac in curb CDOT 102.23 |
| 257     | 663465.883 | 134585.936 | 5308.65           | 1080 1"coppercap -FSI PLS30830   |
| 258     | 663431.957 | 134591.396 | 5306.51           | 1080 1"coppercap-FSI PLS30830    |
| 261     | 663595.806 | 118663.798 | 5468.38           | 1080 3-1/4" ac cdot              |
| 262     | 663578.049 | 120051.964 | 5457.38           | 1080 mag & tag WSSI23524         |
| 401     | 663503.585 | 110787.406 | 0.00              | 1080 FND Chiseled X              |
| 402     | 663477.196 | 110785.301 | 0.00              | 1080 FND Chiseled X              |
| 403     | 663504.620 | 110773.272 | 0.00              | 1080 5RB BRKN PC ILL             |
| 405     | 663475.489 | 113438.414 | 5502.36           | 1080 3.25""ac                    |
| 407     | 663537.712 | 118725.658 | 0.00              | 1080 12 RB IN RB                 |
| 410     | 663411.107 | 135694.491 | 5314.89           | 1080 1" SM BAR                   |
| 411     | 663354.727 | 135053.867 | 5300.99           | 1080 5RB YPC 25961               |
| 412     | 663345.855 | 135178.421 | 5301.74           | 1080 5RB YPC 25961               |
| 413     | 663356.305 | 135264.351 | 5301.29           | 5RB YPC 25961                    |
| 414     | 663367.378 | 135051.356 | 5301.93           | 5RB YPC 25961                    |
| 415     | 663396.550 | 134641.170 | 5306.67           | 1080 5RB YPC 30830               |
| 430     | 663824.863 | 125775.747 | 5381.21           | 1080 2" AC 19606                 |
| 431     | 663688.510 | 125340.046 | 5392.89           | 1080 4RB BARE                    |
| 441     | 662956.500 | 126381.750 | 5397.12           | 1080 5RB YPC 40?47 ASTLR + GINGE |
| 600     | 663710.104 | 126715.160 | 5348.69           | 1076 BM CCD 158A                 |
| 601     | 663675.945 | 132605.185 | 5310.62           | 1076 BM CCD 550A                 |
| 603     | 663612.304 | 121950.909 | 0.00              | 1080 PMC9?29 .5IN. TAG           |
| 604     | 663612.324 | 121950.821 | 0.00              | 1080 CONCRETE X                  |
| 605     | 663616.237 | 121975.868 | 0.00              | 1080 CONCRETE X                  |
| 606     | 663598.038 | 121861.188 | 0.00              | 1080 .5IN.BT PMC9?29             |
| 1134    | 663478.623 | 114071.060 | 5498.00           | 1080 4rb ypc 34188               |
| 1314    | 663579.794 | 114728.462 | 5496.43           | 1076 w405 set vert. in column    |
| 1605    | 663564.787 | 118260.900 | 5475.75           | 1080 #5bar w/ypc burdick pe/ls90 |
| 2000    | 663385.186 | 134429.632 | 5306.63           | 1080 #3BAR                       |
| 5470    | 663822.171 | 118667.984 | 5463.98           | 1080 chiseled +                  |
| 5547    | 663878.161 | 118778.670 | 5462.60           | 1080 ac ls 9652                  |
| 7563    | 663966.913 | 130686.308 | 5317.62           | 1099                             |
| 7731    | 663729.322 | 127931.547 | 5335.23           | 1080 YPC SR&E CD. ?334           |
| 7732    | 663746.722 | 127722.299 | 5334.76           | 1080 1.5IN. BT LS 24670          |
| 7878    | 662975.760 | 126883.456 | 5384.08           | 1080 1.5IN. AC. LS1              |
| 7879    | 662975.629 | 126858.919 | 5382.09           | 1080 1.5IN. AC. ILLEGABLE        |

TABULATION OF  
FOUND ALIQUOT MONUMENT COORDINATE TABLE  
GROUND COORDINATES

| POINT # | NORTH      | EAST       | LEVELED ELEVATION | DESCRIPTION                         |
|---------|------------|------------|-------------------|-------------------------------------|
| 13      | 663537.683 | 118725.658 | 5469.70           | 1078 FOUND NO. 12 REBAR IN RB       |
| 184     | 663558.307 | 121378.726 | 5444.76           | 1078 3.25" AC IN RB PLS 19591       |
| 251     | 663576.805 | 124020.058 | 0.00              | 1078 3.25" AC PLS 16401             |
| 300     | 663610.820 | 129242.625 | 0.00              | 1078 FND STONE IN RB WITH CHISLED + |
| 404     | 663504.858 | 113438.629 | 5500.92           | 1078 3.25" AC IN RB PLS 19591       |
| 406     | 663513.000 | 114761.995 | 0.00              | 1078 3.25" AC IN RB PLS 23524       |
| 610     | 663596.304 | 126661.655 | 5352.21           | 1078 3.25" AC PLS 13258             |
| 699     | 663567.195 | 122698.904 | 0.00              | 1079 3.25" AC PLS 2132              |
| 625     | 663623.742 | 131891.789 | 5308.35           | 1077 3.25" AC DN AXLE PLS 13155     |
| 602     | 663636.987 | 134541.692 | 0.00              | 1078 3.25" AC IN RB PLS 28666       |
|         |            |            |                   |                                     |
|         |            |            |                   |                                     |

TABULATION OF  
FOUND REFERENCE MONUMENT COORDINATE TABLE  
GROUND COORDINATES

| POINT # | NORTH      | EAST       | ELEVATION | DESCRIPTION                            |
|---------|------------|------------|-----------|----------------------------------------|
| 417     | 663501.239 | 116130.371 | 5490.15   | 1090 YELLOW PLASTIC CAP IN POWER POLE. |
| 418     | 663500.000 | 116066.431 | 5490.94   | 1090 YELLOW PLASTIC CAP IN POWER POLE. |

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Sheet Revisions

| Date     | Description | Initials |
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Land Survey ControlDiagram

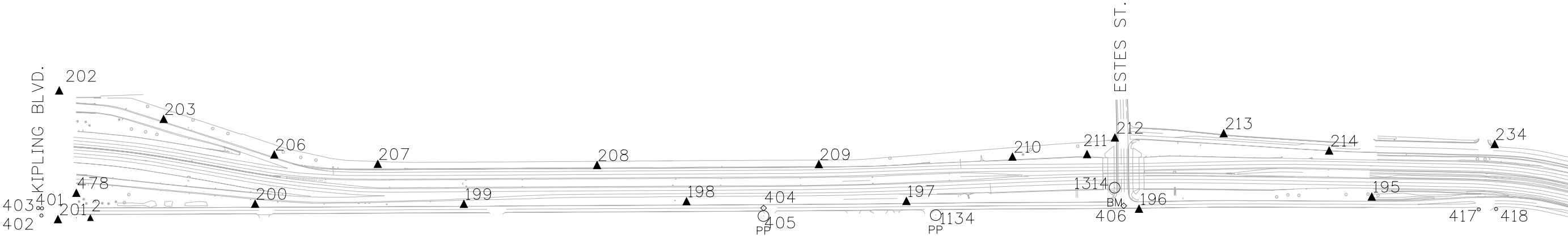
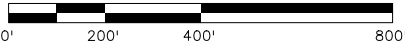
Plan Sheet

Project Number: BR 2854-113

Project Location: S.H. 285, Federal Blvd to Kipling

Milepost 253 to 258

| Project Code: | Last Mod. Date | Subset       | Sheet No. |
|---------------|----------------|--------------|-----------|
| 15577         | 01-03-11       | 3.05 of 3.09 | 3.05      |





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Sheet Revisions

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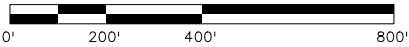
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303-562-2000



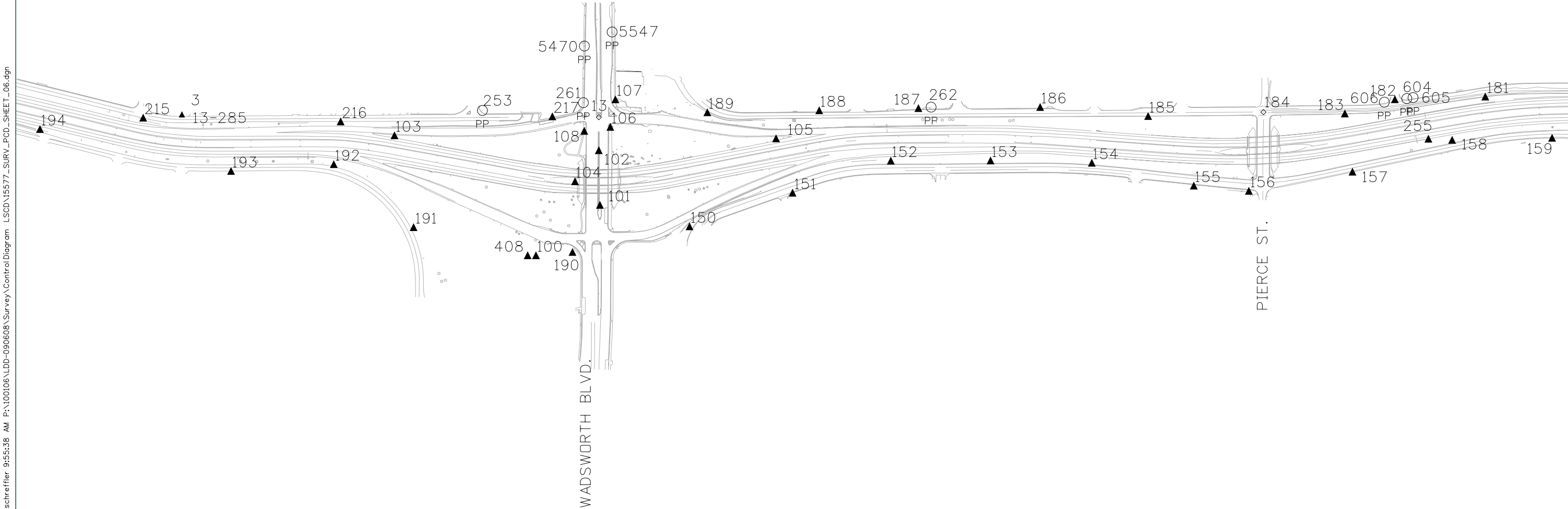
Land Survey ControlDiagram

Plan Sheet

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|-----------------------------------------------------|----------------|--------------|-----------|--|
| Project Number: BR 2854-113                         |                |              |           |  |
| Project Location: S.H. 285, Federal Blvd to Kipling |                |              |           |  |
| Milepost 253 to 258                                 |                |              |           |  |
| Project Code:                                       | Last Mod. Date | Subset       | Sheet No. |  |
| 15577                                               | 01-03-11       | 3.06 of 3.09 | 3.06      |  |



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Sheet Revisions

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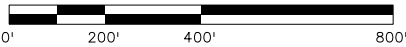
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Land Survey ControlDiagram

Plan Sheet

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|-----------------------------------------------------|----------------|--------------|-----------|
| Project Number: BR 2854-113                         |                |              |           |
| Project Location: S.H. 285, Federal Blvd to Kipling |                |              |           |
| Milepost 253 to 258                                 |                |              |           |
| Project Code:                                       | Last Mod. Date | Subset       | Sheet No. |
| 15577                                               | 01-03-11       | 3.07 of 3.09 | 3.07      |



SHERIDAN BLVD.

BEAR CREEK



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Sheet Revisions

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Land Survey ControlDiagram

Plan Sheet

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|-----------------------------------------------------|----------------|--------------|-----------|
| Project Number: BR 2854-113                         |                |              |           |
| Project Location: S.H. 285, Federal Blvd to Kipling |                |              |           |
| Milepost 253 to 258                                 |                |              |           |
| Project Code:                                       | Last Mod. Date | Subset       | Sheet No. |
| 15577                                               | 01-03-11       | 3.08 of 3.09 | 3.08      |

