

**BOULDER COUNTY BENCHMARKS 2018 – SAINT VRAIN CREEKS - (BLC #800BC18)**

(THE ELEVATIONS SHOWN BELOW WERE DETERMINED BY CLOSED LOOP DIGITAL DIFFERENTIAL LEVELING, ADJUSTED USING THE LEAST SQUARES METHOD, AND SPOT CHECKED WITH FAST STATIC GPS OBSERVATIONS. VERTICAL VARIATION TO 0.05' ±)

**ST. VRAIN CREEK, HYGIENE AREA**

| PT ID   | NAVD88<br>ELEVATION (FEET) | DESCRIPTION   | LAT          | LONG          | COMMENTS/LOCATION   | S/T/R     | QTR |
|---------|----------------------------|---|--------------|---------------|---|-----------|-----|
| SV 13-C | 5149.57'                   | FOUND 2" ALLOY CAP,<br>STAMPED SV-13C, IN TOP<br>OF NW CORNER<br>CONCRETE HEADWALL OF<br>BRIDGE | 40°11'45.9"N | 105°12'28.2"W | NORTH SIDE OF 63 <sup>RD</sup> STREET<br>AT ST. VRAIN CREEK,<br>BETWEEN HYGIENE ROAD<br>AND HWY 66. SEE CREEK<br>CORRIDOR BENCHMARKS<br>2013.                     | 27-3N-70W | NE  |
| SV 18-A | 5139.41'                   | SET 2" BOULDER COUNTY<br>SURVEYOR BRASS CAP IN<br>NW HEADWALL OF<br>BRIDGE                      | 40°11'19.8"N | 105°12'34.4"W | IN DRAINAGE CANAL OVER<br>JAMES DITCH NORTH SIDE<br>OF HYGIENE ROAD APPX 100<br>FEET EAST OF INTERSECTION<br>WITH N. 61 <sup>ST</sup> STREET.                     | 27-3N-70W | SE  |
| SV 18-B | 5123.20'                   | SET 2" BOULDER COUNTY<br>SURVEYOR BRASS CAP IN<br>MIDDLE N HEADWALL OF<br>BRIDGE                | 40°11'19.8"N | 105°11'49.9"W | IN N HEADWALL OF BRIDGE<br>OVER ST. VRAIN CREEK AS IT<br>INTERSECTIONS WITH<br>HYGIENE ROAD. APPX 0.3<br>MILES WEST OF<br>INTERSECTION WITH CRANE<br>HOLLOW ROAD. | 26-3N-70W | SW  |
| SV 18-C | 5105.58'                   | SET 2" BOULDER COUNTY<br>SURVEYOR BRASS CAP IN<br>SW HEADWALL OF<br>BRIDGE                      | 40°11'11.8"N | 105°11'28.2"W | IN SW HEADWALL OF BRIDGE<br>OVER ST. VRAIN CREEK ON<br>CRANE HOLLOW ROAD APPX<br>0.1 MILES FROM<br>INTERSECTION WITH<br>HYGIENE RD.                               | 35-3N-70W | NE  |

**ST. VRAIN CREEK, LYONS AREA**

| <b>PT ID</b>                       | <b>NAVD88<br/>ELEVATION (FEET)</b> | <b>DESCRIPTION</b>  | <b>LAT</b>    | <b>LONG</b>   | <b>COMMENTS/LOCATION</b>   | <b>S/T/R</b> | <b>QTR</b> |
|------------------------------------|------------------------------------|---|---------------|---------------|--|--------------|------------|
| NSV15-C                            | 5407.09                            | FOUND 2" BRASS CAP IN SE HEADWALL OF BRIDGE STAMPED "BOULDER COUNTY SURVEY POINT NSV 15-C"                          | 40°13'45.4"N  | 105°16'33.9"W | ON SE HEADWALL OF BRIDGE APPX 0.5 MILES WEST OF LYONS AT INTERSECTION OF HWY 36 & APPLE VALLEY ROAD.                                     | 18-3N-70W    | NW         |
| CDOT 20.23                         | 5379.99                            | FOUND 2" ALLOY CAP IN CONCRETE STAMPED "CDOT 20.23"   | 40°13'33.1"N  | 105°16'21.7"W | IN TOP BACK CURB IN CONCRETE AT INTERSECTION OF HWY 36 & RIVERSIDE PARK. ON WEST SIDE OF DRIVE ENTRANCE.                                 | 18-3N-70W    | SW         |
| US BUREAU OF PUBLIC ROADS MONUMENT | 5345.96                            | FOUND 3" BRASS CAP IN NW HEADWALL BRIDGE STAMPED "U.S. BUREAU OF PUBLIC ROADS 1955 BM. ELEV. 5342.9"                | 40°13'22.2"N  | 105°16'18.2"W | HEAVILY MARRED CAP IN NW HEADWALL OF BRIDGE OVER NORTH SAINT VRAIN. APPX 100 FEET SOUTH OF INTERSECTION 5 <sup>TH</sup> AVE & PARK DRIVE | 18-3N-70W    | SE         |
| SSV-18A                            | 5365.62                            | FOUND 2" ALLOY CAP IN SE WINGWALL OF BRIDGE STAMPED SSV-18A   | 40°13 '00.5"N | 105°16'27.4"W | IN SE WINGWALL OF BRIDGE OVER SOUTH SAINT VRAIN CREEK AT INTERSECTION OF OLD SAINT VRAIN ROAD AND BOULDER COUNTY ROAD 69                 | 19-3N-70W    | NW         |
| US BUREAU OF PUBLIC ROADS MONUMENT | 5406.07                            | FOUND 3" VERTICAL CAP IN SANDSTONE STAMPED "U.S. BUREAU OF PUBLIC ROADS RP PS 695+00 1955 B.M. ELEV. 5402.33 27.42" | 40°12'50.5"N  | 105°16'40.0"W | SET VERTICALLY IN SANDSTONE SLAB ON WEST SIDE OF ROAD APPX 0.3 MILES FROM INTERSECTION OF STATE HWY 7 & OLD SAINT VRAIN ROAD             | 19-3N-70W    | NW         |
| CDOT 32.10                         | 5401.32                            | FOUND 3" ALLOY CAP IN ROAD FILL STAMPED "COLO DEPT OF TRANSPORTATION CONTROL MONUMENT STATE HWY MILE POST 32.10 "   | 40°12'43.1"N  | 105°16'46.5"W | IN PULL OUT ON SE SIDE OF STATE HWY 7 APPROXIMATELY 0.1 MILES EAST OF MILE MARKER 32 SIGN AT GRADE.                                      | 19-3N-70W    | SW         |

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|---------|----------------------------|--|--------------|---------------|---|-----------|-----|
| SSV-18B | 5410.06                    | SET 2" BRASS CAP IN<br>SANDSTONE STAMPED<br>"BOULDER COUNTY<br>SURVEY POINT SSV-18B" | 40°12'40.3"N | 105°16'50.3"W | IN SANDSTONE OUTCROP<br>APPX 3 FEET ABOVE GRADE<br>ON WEST SIDE OF STATE<br>HWY 7 ACROSS FROM EAST<br>MILE MARKER 32.                                     | 19-3N-70W | SW  |
| SSV-18C | 5453.07                    | SET 2" BRASS CAP IN<br>CONCRETE STAMPED<br>"BOULDER COUNTY<br>SURVEY POINT SSV-18C"  | 40°12'38.2"N | 105°17'18.0"W | ON NE SIDE OF HALL RANCH<br>SIGN AT TRAIN HEAD FROM<br>LOWER PARKING LOT.   | 24-3N-71W | SE  |
| SSV-18D | 5395.96                    | SET 2" BRASS CAP IN<br>CONCRETE STAMPED<br>"BOULDER COUNTY<br>SURVEY POINT SSV-18D"  | 40°12'42.7"N | 105°16'42.4"W | ON WEST SIDE OF OLD SAINT<br>VRain ROAD IN SW CORNER<br>OF CONCRETE LEVY APPX 0.5<br>MILES FROM INTERSECTION<br>OF STATE HWY 7 & OLD<br>SAINT VRain ROAD. | 19-3N-70W | SW  |

## BOULDER COUNTY BENCHMARKS 2018 – LOWER BOULDER DITCH & PRINCE LAKE NO. 2 DRAINAGE - (BLC #800BC18)

### BROWNSVILLE SUBDIVISION, ERIE/LAFAYETTE AREA

(THE ELEVATIONS SHOWN BELOW WERE DETERMINED BY CLOSED LOOP DIGITAL DIFFERENTIAL LEVELING, CHECKED USING THE LEAST SQUARES METHOD AND FAST STATIC GPS OBSERVATIONS. VERTICAL VARIATION TO 0.10' ±)

| PT ID    | NAVD88<br>ELEVATION (FEET) | DESCRIPTION  | LAT          | LONG          | COMMENTS/LOCATION   | S/T/R     | QTR |
|----------|----------------------------|--|--------------|---------------|---|-----------|-----|
| DOMENICO | 5023.87                    | FOUND 3.5" NGS BRASS<br>CAP SET ON TOP OF NE<br>HEADWALL CORNER                    | 40°03'15.1"N | 105°06'10.5"W | WEST SIDE US HWY 287,<br>JUST SOUTH OF GOOSE<br>HAVEN DR.   | 15-1N-69W | NW  |
| BS-18A   | 5036.66                    | SET 2" BRASS CAP IN<br>CONCRETE STAMPED<br>"BOULDER COUNTY<br>SURVEY POINT BS-18A" | 40°02'53.5"N | 105°05'52.7"W | IN SW WINGWALL OF<br>CULVERT OVER LOWER<br>BOULDER DITCH (SULLIVAN<br>DITCH) AS IT INTERSECTS N<br>109 <sup>TH</sup> ST. JUST NORTH OF<br>INTERSECTION WITH LYNNE<br>AVE. | 15-1N-69W | SE  |
| BS-18B   | 5059.64                    | SET 2" BRASS CAP IN<br>CONCRETE STAMPED<br>"BOULDER COUNTY<br>SURVEY POINT BS-18B" | 40°02'40.8"N | 105°05'35.7"W | IN N CONCRETE HEADWALL<br>OF CULVERT OVER PRINCE<br>LAKE NO. 2 DRAINAGE AS IT<br>INTERSECTS FLATIRON DR.<br>JUST EAST OF INTERSECTION<br>WITH DALE DR.                    | 15-1N-69W | SE  |
| BS-18C   | 5029.00                    | SET 2" BRASS CAP IN<br>CONCRETE STAMPED<br>"BOULDER COUNTY<br>SURVEY POINT BS-18C" | 40°02'59.8"N | 105°05'40.3"W | IN S CONCRETE HEADWALL<br>OF CULVERT OVER PRINCE<br>LAKE NO. 2 DRAINAGE AS IT<br>INTERSECTS DOBBINS RUN<br>JUST EAST OF INTERSECTION<br>WITH CARRIAGE CT.                 | 15-1N-69W | SE  |



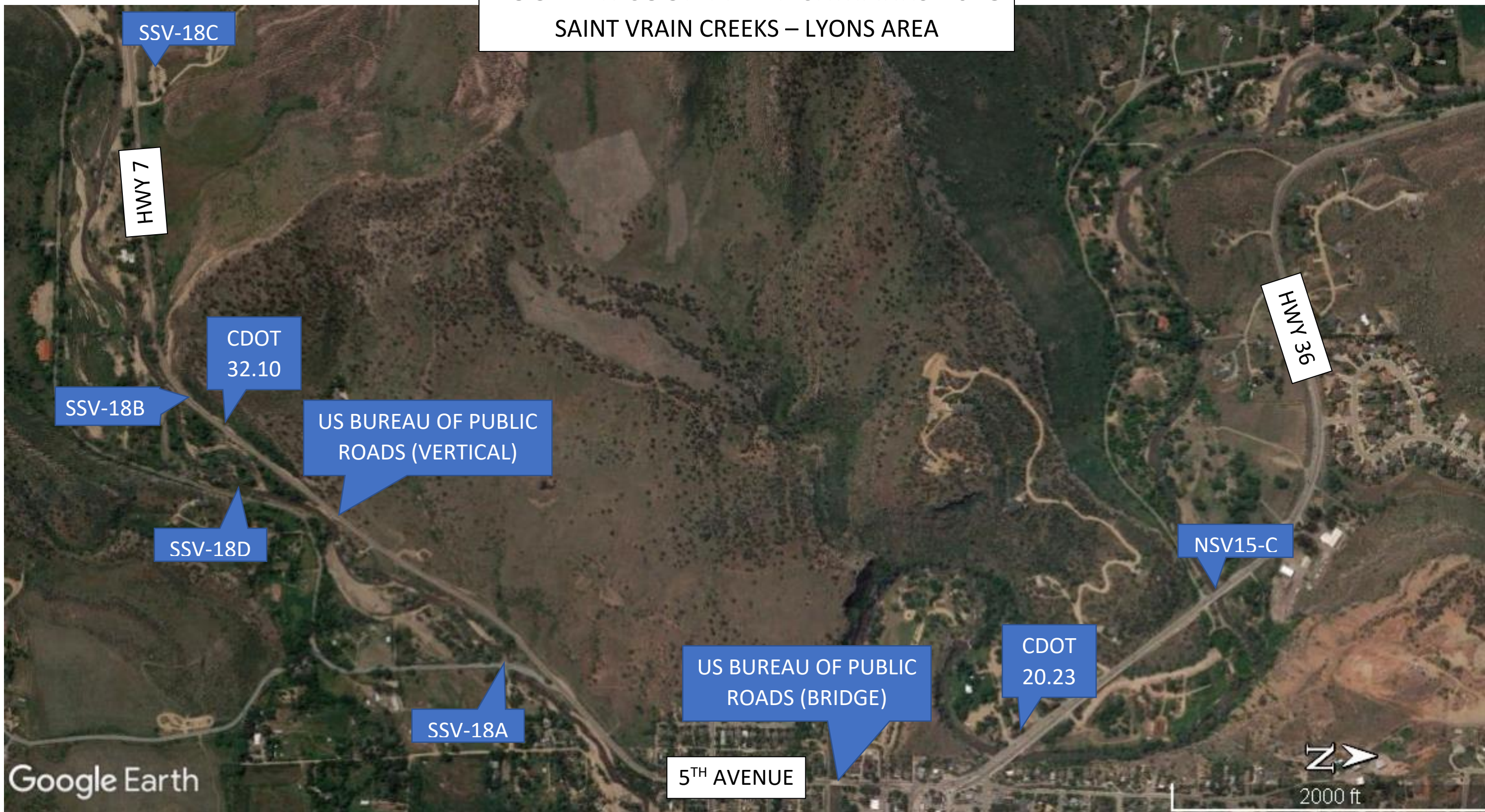
**BOULDER COUNTY BENCHMARKS 2018**  
SAINT VRAIN CREEK – HYGIENE AREA





# BOULDER COUNTY BENCHMARKS 2018

SAINT VRAIN CREEKS – LYONS AREA





# BOULDER COUNTY BENCHMARKS 2018

LOWER BOULDER DITCH & PRINCE LAKE NO. 2 DRAINAGE  
ERIE-LAFAYETTE AREA

DOMENICO

JASPER ROAD

N 109<sup>TH</sup> STREET

HWY 287

BS-18C

DOBBINS RUN

SV 18-A

BS-18B

FLATIRON DRIVE

Google Earth

2000 ft





## BOULDER COUNTY BENCHMARKS 2018 – Lyons/Hygiene Area (BLC #800BC18)

### Hygiene Area



SV-13C Benchmark (above),  
Landmark photo (right), Looking Northwest



SV-18A Benchmark (above),  
Landmark photo (right), Looking West



SV-18B Benchmark (above),  
Landmark photo (left), looking West.



## BOULDER COUNTY BENCHMARKS 2018 – Lyons/Hygiene Area (BLC #800BC18)



SV-18C Benchmark (above),  
Landmark Photo (right), Looking Southwest.

### Lyons Area



CDOT 20.23 Benchmark (above),  
Landmark photo (right), looking North



US Bureau of Public Roads 5342.\_9 (right)  
Landmark photo (above), Looking South

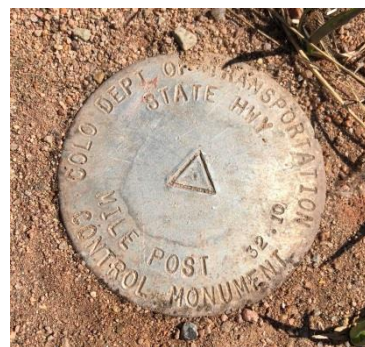
## BOULDER COUNTY BENCHMARKS 2018 – Lyons/Hygiene Area (BLC #800BC18)



SSV-18A Benchmark (above),  
Landmark photo (right), Looking East



US Bureau of Public roads RP PS 695+00 (above)  
Landmark photo (right), Looking Southeast



CDOT mile marker 32.10 (above),  
Landmark photo (left), looking North.



**BOULDER COUNTY BENCHMARKS 2018 – Lyons/Hygiene Area (BLC #800BC18)**



SSV-18B Benchmark (above),  
Landmark Photo (right), Looking South.



SSV-18C Benchmark (above)  
Landmark photo, looking Northwest (right).



SSV-18D Benchmark (above).  
Landmark photo, looking South (left).

**BOULDER COUNTY BENCHMARKS 2018 – Erie/Lafayette Brownsville Subdivision Area  
(BLC #800BC18)**



DOMENICO (NGS PID A13559) Benchmark (above).  
Landmark photo, looking North (left).



BS-18A Benchmark (above),  
Landmark photo (right), Looking Northwest  
Landmark photo (below), Looking West





**BOULDER COUNTY BENCHMARKS 2018 – Erie/Lafayette Brownsville Subdivision Area  
(BLC #800BC18)**



BS-18B Benchmark (above - right).  
Landmark photo, looking East (above - left).



BS-18C Benchmark (above),  
Landmark photo (right), Looking West

