

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

**ST. VRAIN CREEK, LYONS AREA**

<b>PT ID</b>	<b>NAVD88 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

PT ID	NAVD88 ELEVATION (FEET)	DESCRIPTION	LAT	LONG	COMMENTS/LOCATION	S/T/R	QTR
SSV-18B	5410.06	SET 2" BRASS CAP IN SANDSTONE STAMPED "BOULDER COUNTY SURVEY POINT SSV-18B"	40°12'40.3"N	105°16'50.3"W	IN SANDSTONE OUTCROP APPX 3 FEET ABOVE GRADE ON WEST SIDE OF STATE HWY 7 ACROSS FROM EAST MILE MARKER 32.	19-3N-70W	SW
SSV-18C	5453.07	SET 2" BRASS CAP IN CONCRETE STAMPED "BOULDER COUNTY SURVEY POINT SSV-18C"	40°12'38.2"N	105°17'18.0"W	ON NE SIDE OF HALL RANCH SIGN AT TRAIN HEAD FROM LOWER PARKING LOT.	24-3N-71W	SE
SSV-18D	5395.96	SET 2" BRASS CAP IN CONCRETE STAMPED "BOULDER COUNTY SURVEY POINT SSV-18D"	40°12'42.7"N	105°16'42.4"W	ON WEST SIDE OF OLD SAINT VRAIN ROAD IN SW CORNER OF CONCRETE LEVY APPX 0.5 MILES FROM INTERSECTION OF STATE HWY 7 & OLD SAINT VRAIN ROAD.	19-3N-70W	SW

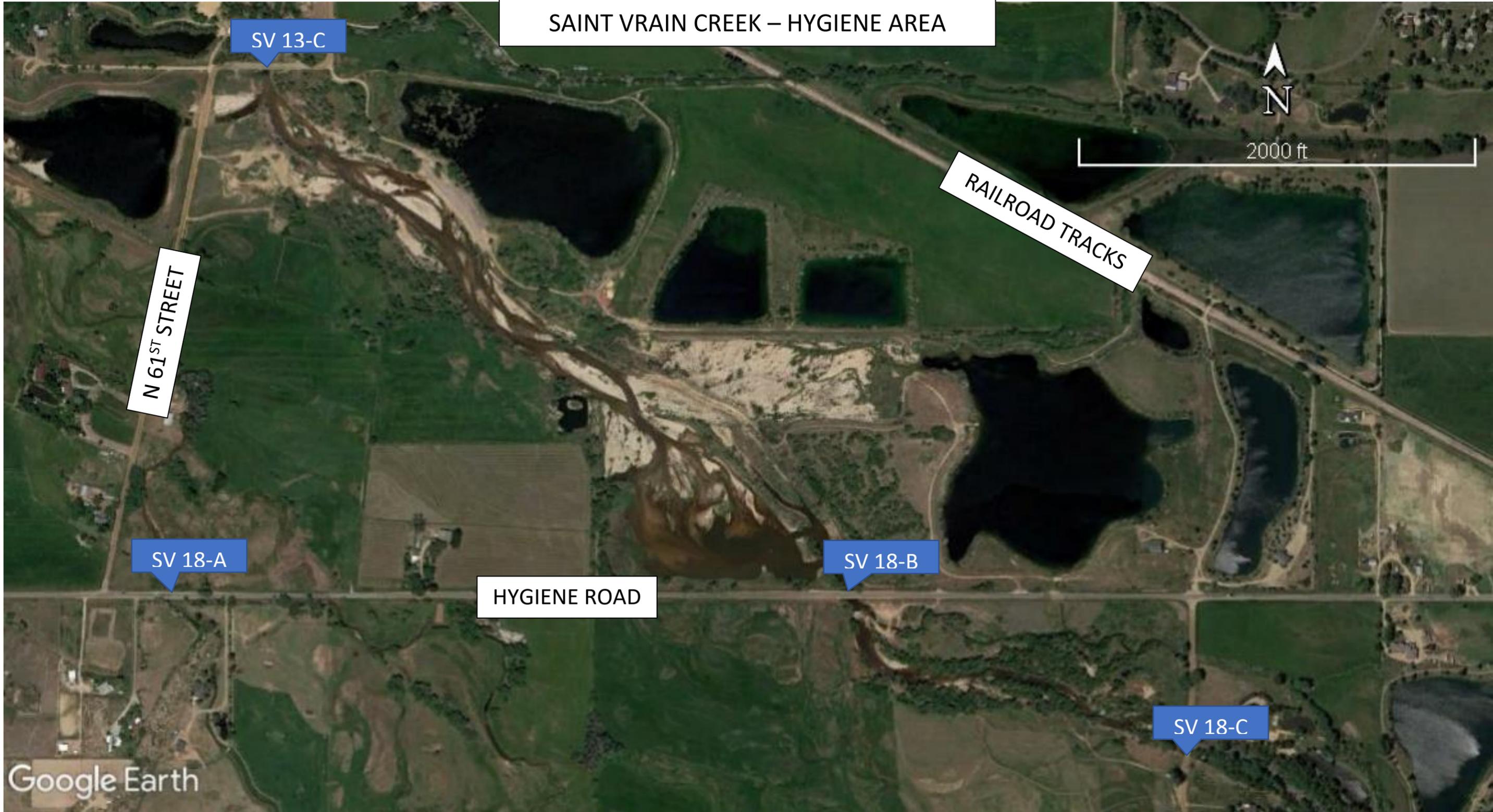
**BOULDER COUNTY BENCHMARKS 2018 – LOWER BOULDER DITCH & PRINCE LAKE NO. 2 DRAINAGE - (BLC #800BC18)**

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

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



SV 13-C

N 61<sup>ST</sup> STREET

SV 18-A

HYGIENE ROAD

SV 18-B

RAILROAD TRACKS

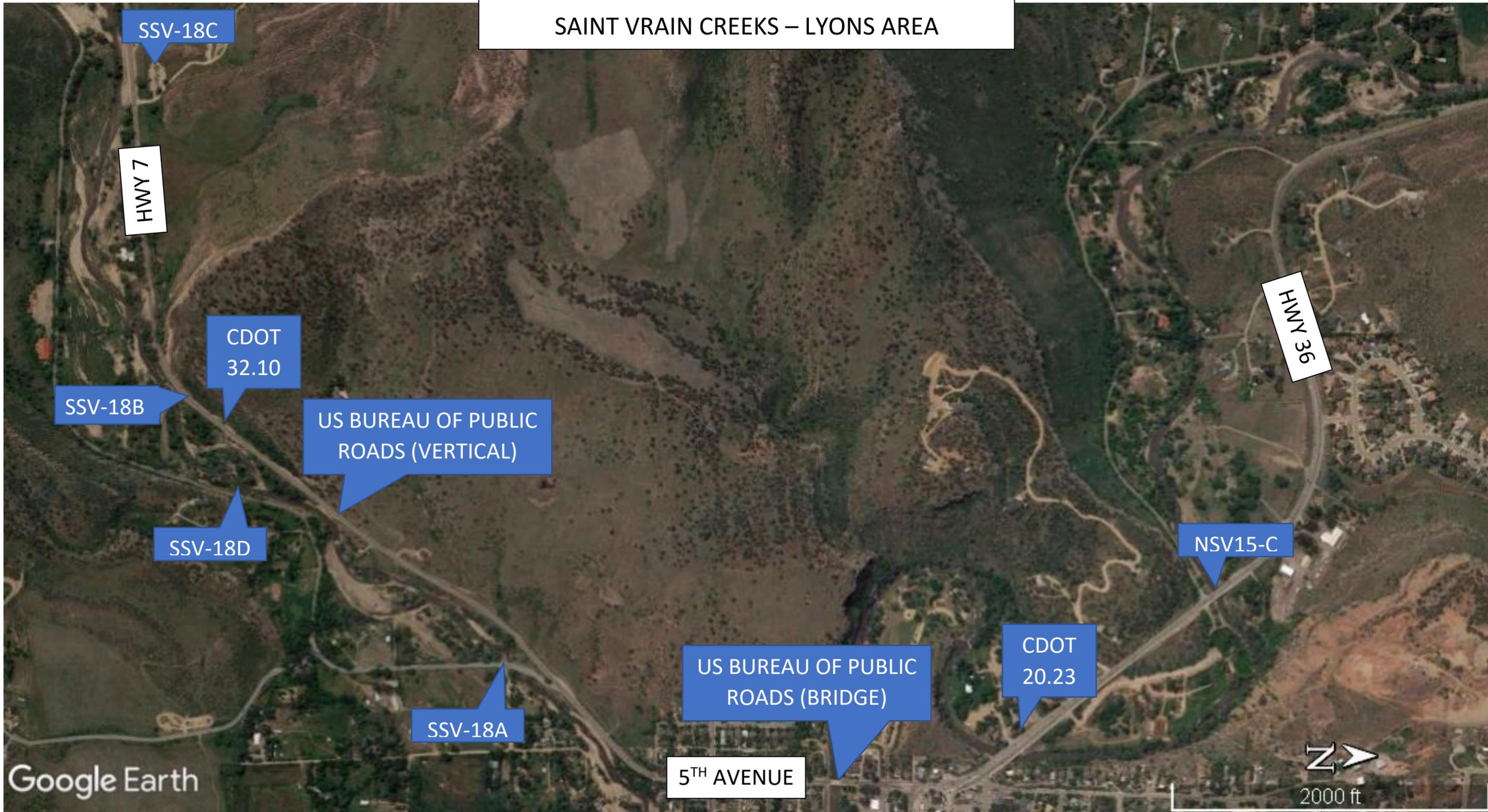
SV 18-C



2000 ft

# BOULDER COUNTY BENCHMARKS 2018

SAINT VRAIN CREEKS – LYONS AREA



SSV-18C

HWY 7

CDOT  
32.10

SSV-18B

US BUREAU OF PUBLIC  
ROADS (VERTICAL)

SSV-18D

NSV15-C

HWY 36

US BUREAU OF PUBLIC  
ROADS (BRIDGE)

CDOT  
20.23

SSV-18A

5<sup>TH</sup> AVENUE



2000 ft

Google Earth

**BOULDER COUNTY BENCHMARKS 2018**

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

DOMENICO

JASPER ROAD

N 109<sup>TH</sup> STREET

BS-18C

DOBBINS RUN

SV 18-A

BS-18B

FLATIRON DRIVE

HWY 287

Google Earth



2000 ft

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

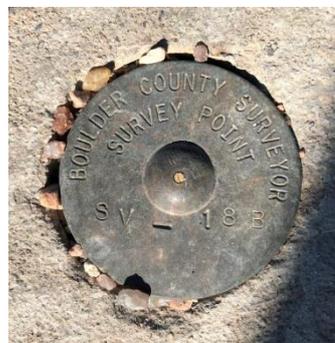
**Hygiene Area**



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

