



**Date:** November 19, 2021 **Time:** 19:18:09 UTC

**Employee:** N. Guenther

**Job Name:** CA Salton Sea

**Point ID:** GCP\_038

**State:** California

**Latitude:** 33 55 19.30775

**Longitude:** -116 39 03.36892

**Address and/or Intersection:** Tipton Rd

### OBSERVATION METHOD

<input type="radio"/>	VRS GNSS	<b>H RMS:</b>	<b>V RMS:</b>	<b>Duration:</b>		
<input checked="" type="radio"/>	STATIC GNSS	<b>Start Time:</b> 19:18:09 UTC	<b>End Time:</b> 22:08:17 UTC			
<input type="radio"/>	Conventional Pairs VRS	Point Number: _____	RMS: _____	H: _____	V: _____	Duration: _____
<input type="radio"/>	Conventional Pairs STATIC	Point Number: _____	RMS: _____	H: _____	V: _____	Duration: _____
<input type="radio"/>	Occupied Point	Pt.# / HT: _____ / _____	B.S	Pt.# / HT: _____ / _____	F.S.	Pt.# / HT: _____ / _____
<input type="radio"/>	Back Sight Point	Distance: _____	Vertical Angle: _____	Angle: _____		
<input type="radio"/>	F.S. Point	Angle: _____	Vertical Angle: _____	Slope Dist: _____	Horizontal Dist: _____	

### TYPE OF SURFACE

- PAVEMENT
- VEGETATION
- BARE SOIL
- NGS CONTROL

### PICTURES

- Photos of area & setup

### POINT RE-CHECK

**Date:** \_\_\_\_\_

**Time:** \_\_\_\_\_

**Pt ID:** \_\_\_\_\_

**Description:**

Pavement

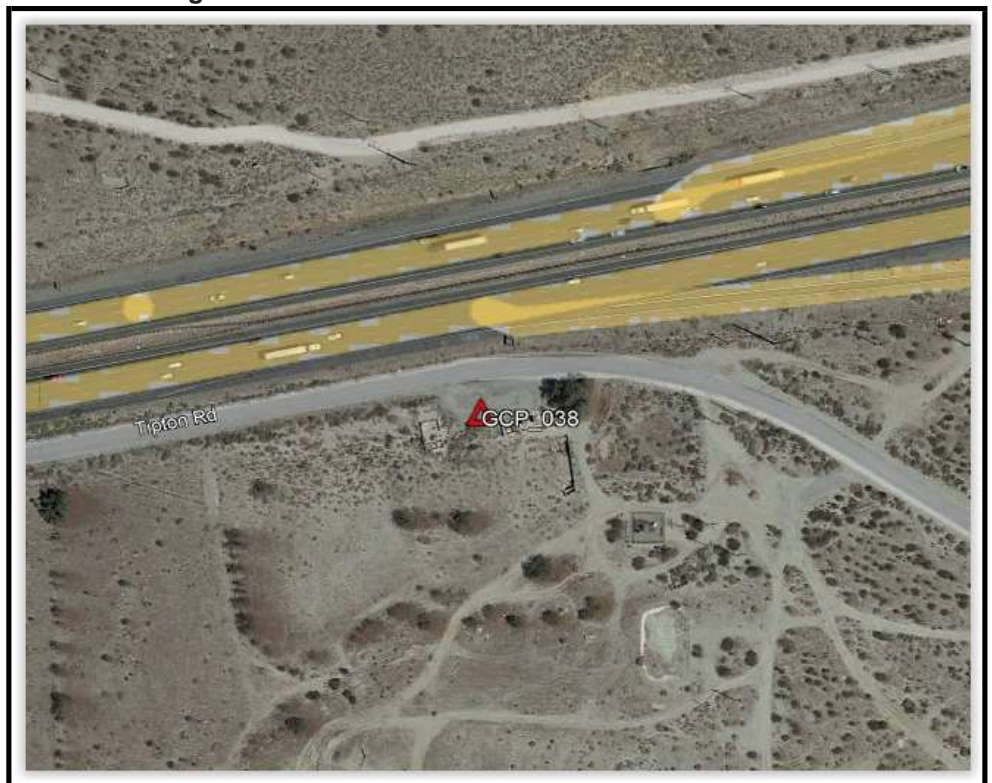
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

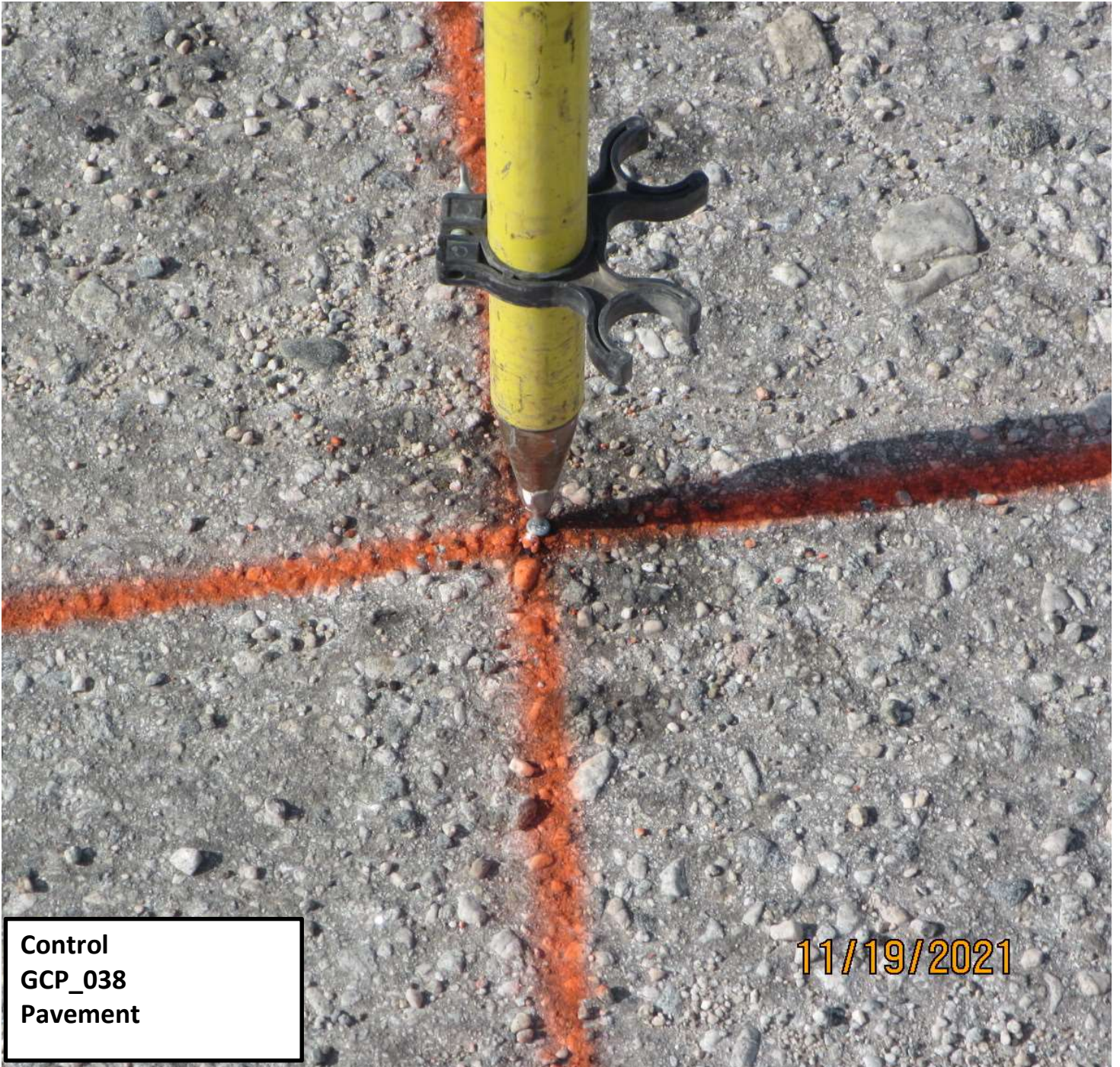
\_\_\_\_\_

### Sketch or Image of Area





POINT ID: GCP\_038  
MONUMENT PHOTO



Control  
GCP\_038  
Pavement

11/19/2021



POINT ID: GCP\_038

NORTH PHOTO



Control  
GCP\_038  
Pavement

11/19/2021



POINT ID: GCP\_038

EAST PHOTO

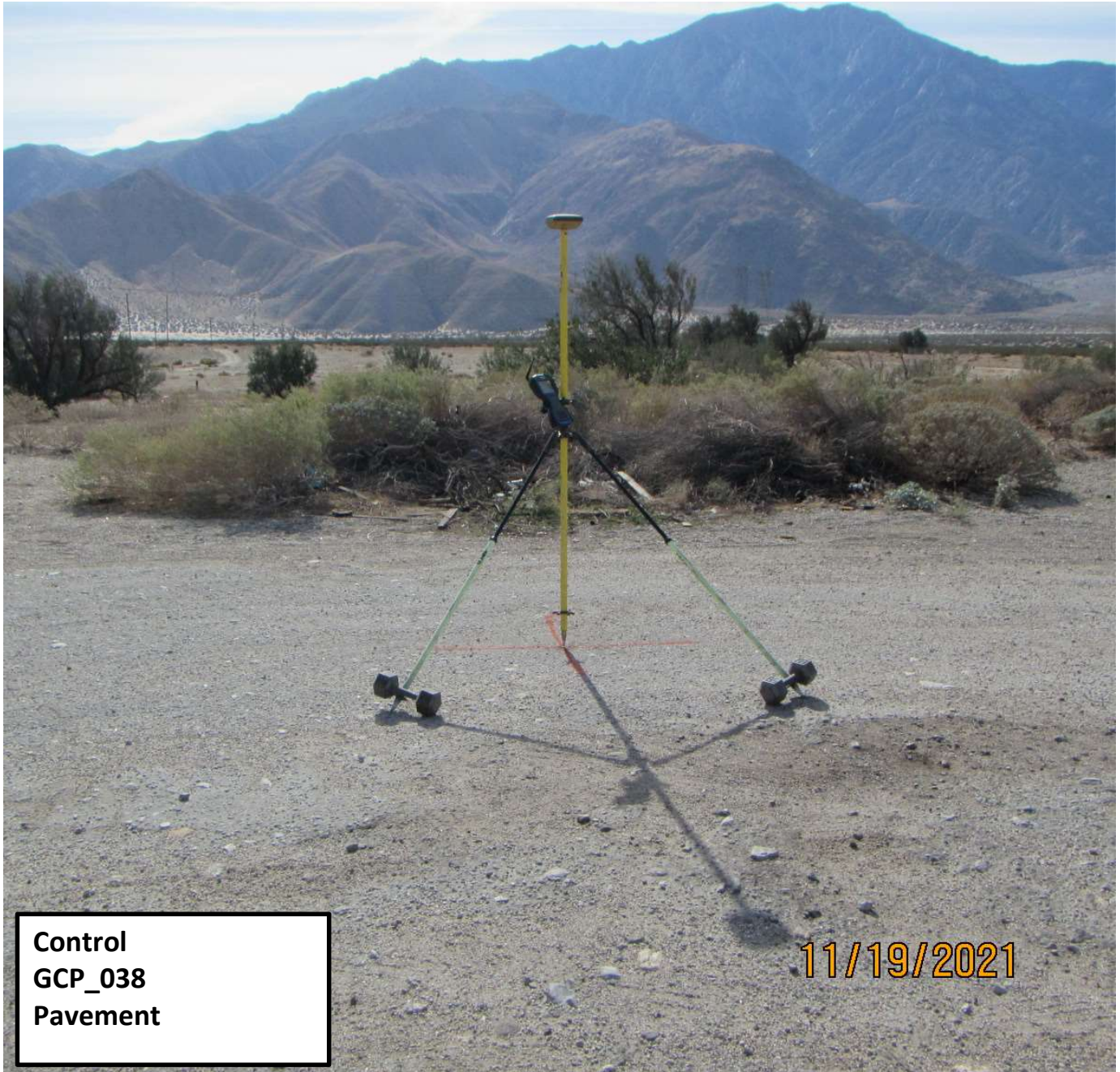


Control  
GCP\_038  
Pavement

11/19/2021



POINT ID: GCP\_038  
SOUTH PHOTO



Control  
GCP\_038  
Pavement

11/19/2021



POINT ID: GCP\_038

WEST PHOTO



Control  
GCP\_038  
Pavement

11/19/2021



### NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.  
For additional information: <https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: kjensen@aero-graphics.com      DATE: November 29, 2021  
RINEX FILE: c003323t.21o              TIME: 14:40:36 UTC

SOFTWARE: page5 2008.25 master277.pl 16032    START: 2021/11/19 19:18:00  
EPHEMERIS: igr21845.eph [rapid]              STOP: 2021/11/19 22:08:00  
NAV FILE: brdc3230.21n                      OBS USED: 7209 / 7401 : 97%  
ANT NAME: TPSHIPER\_SR    NONE              # FIXED AMB: 48 / 49 : 98%  
ARP HEIGHT: 02.000                      OVERALL RMS: 0.012(m)

REF FRAME: NAD\_83(2011)(EPOCH:2010.0000)      ITRF2014 (EPOCH:2021.8846)

X: -2376611.279(m) 0.008(m)      -2376612.291(m) 0.008(m)  
Y: -4735463.445(m) 0.012(m)      -4735461.945(m) 0.012(m)  
Z: 3539472.636(m) 0.006(m)      3539472.620(m) 0.006(m)

LAT: 33 55 19.30775 0.005(m)      33 55 19.32337 0.005(m)  
E LON: 243 20 56.63108 0.006(m)      243 20 56.56967 0.006(m)  
W LON: 116 39 3.36892 0.006(m)      116 39 3.43033 0.006(m)  
EL HGT: 357.220(m) 0.014(m)      356.475(m) 0.014(m)  
ORTHO HGT: 388.954(m) 0.063(m) [NAVD88 (Computed using GEOID18)]

#### UTM COORDINATES    STATE PLANE COORDINATES

UTM (Zone 11)      SPC (4301 UT N)

Northing (Y) [meters]    3753565.715      300571.736  
Easting (X) [meters]    532264.819      20229.462  
Convergence [degrees]    0.19480278      -3.39629722  
Point Scale              0.99961283      1.00787141  
Combined Factor            0.99955678      1.00781489

US NATIONAL GRID DESIGNATOR: 11SNT3226453565(NAD 83)

#### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DN5633	DSSC DSSC_SCGN_CS1998	CORS ARP	N334359.979 W1164243.475	21725.1
DM6189	P598 ONYX_PEAK_CS2007	CORS ARP	N341132.848 W1164236.913	30593.5
DG9740	P584 POTREROCRKCS2004	CORS ARP	N335333.357 W1165705.859	28005.4

#### NEAREST NGS PUBLISHED CONTROL POINT

DX0866    Y 411                      N3355000012 W11638000038    682.6