



**Date:** December 3, 2021    **Time:** 22:00:14 UTC    **Employee:** N. Guenther

**Job Name:** CA Salton Sea    **Point ID:** GCP\_023

**State:** California    **Latitude:** 33 23 52.01321    **Longitude:** -115 39 45.40630

**Address and/or Intersection:** Spa Rd, 1.2 miles east of Hot Mineral Spa 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> 22:00:14 UTC	<b>End Time:</b> 0:22:19 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:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Sketch or Image of Area





POINT ID: GCP\_023  
MONUMENT PHOTO



Control  
GCP\_023  
Pavement

12/03/2021

POINT ID: GCP\_023  
NORTH PHOTO





POINT ID: GCP\_023  
EAST PHOTO

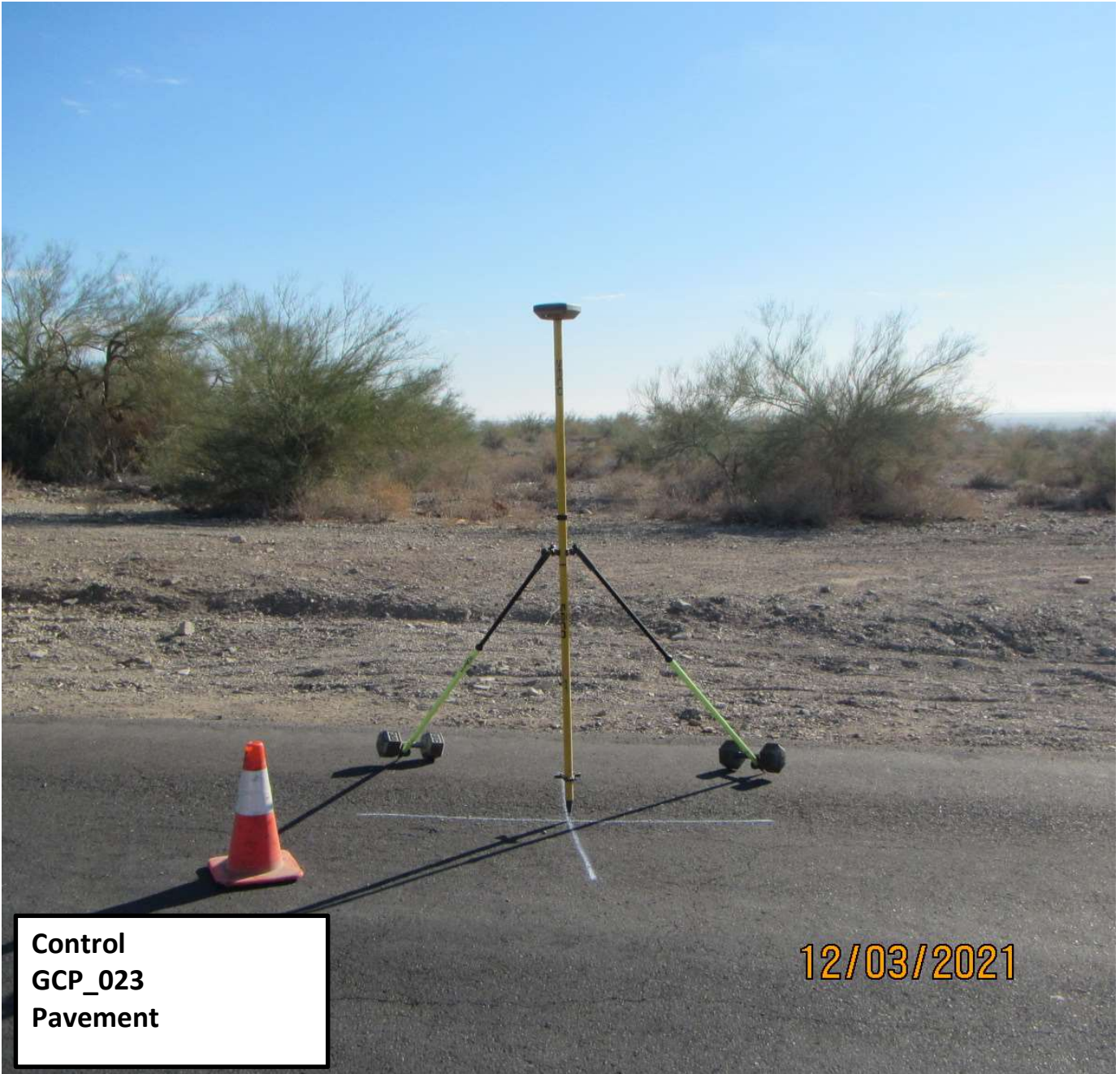


Control  
GCP\_023  
Pavement

12/03/2021



POINT ID: GCP\_023  
SOUTH PHOTO





POINT ID: GCP\_023  
WEST PHOTO



Control  
GCP\_023  
Pavement

12/03/2021



RINEX FILE: c017337w.21o

TIME: 17:00:08 UTC

SOFTWARE: page5 2008.25 master292.pl 16032    START: 2021/12/03 22:00:00  
 EPHEMERIS: igr21865.eph [rapid]                    STOP: 2021/12/04 00:22:00  
 NAV FILE: brdc3370.21n                            OBS USED: 5853 / 6118 : 96%  
 ANT NAME: TPSHIPER\_SR    NONE                    # FIXED AMB: 42 / 42 : 100%  
 ARP HEIGHT: 02.000                                OVERALL RMS: 0.012(m)

REF FRAME: NAD\_83(2011)(EPOCH:2010.0000)                    ITRF2014 (EPOCH:2021.9232)

X: -2308389.600(m) 0.004(m)                    -2308390.558(m) 0.004(m)  
 Y: -4804499.748(m) 0.010(m)                    -4804498.373(m) 0.010(m)  
 Z: 3490848.982(m) 0.006(m)                    3490848.828(m) 0.006(m)

LAT: 33 23 52.01423 0.001(m)                    33 23 52.02481 0.001(m)  
 E LON: 244 20 14.59284 0.006(m)                    244 20 14.53639 0.006(m)  
 W LON: 115 39 45.40716 0.006(m)                    115 39 45.46361 0.006(m)  
 EL HGT: -46.746(m) 0.011(m)                    -47.520(m) 0.011(m)  
 ORTHO HGT: -13.202(m) 0.060(m) [NAVD88 (Computed using GEOID18)]

### UTM COORDINATES    STATE PLANE COORDINATES

UTM (Zone 11)                    SPC (0406 CA 6)

Northing (Y) [meters]	3696185.569	636687.948
Easting (X) [meters]	624373.975	2054642.788
Convergence [degrees]	0.73625833	0.32278056
Point Scale	0.99979071	0.99995476
Combined Factor	0.99979805	0.99996210

US NATIONAL GRID DESIGNATOR: 11SPS2437396185(NAD 83)

### BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DN5679	SLMS SLMS_SCGN_CS1999 CORS ARP	N331732.005	W1155840.182	31591.9
AF9696	DHLG DURMID HILL CORS ARP	N332323.287	W1154716.855	11700.4
DH8055	GLRS GLRS_SCGN_CS1999 CORS ARP	N331629.309	W1153116.890	18946.0

### NEAREST NGS PUBLISHED CONTROL POINT

DW0555	L 1230	N332417.000	W1154057.000	2003.8
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