



**Date:** October 3, 2021

**Time:** 21:17:53 UTC

**Employee:** N. Guenther

**Job Name:** CA Salton Sea

**Point ID:** GCP\_024

**State:** California

**Latitude:** 33 25 45.64237

**Longitude:** -115 49 59.10378

**Address and/or Intersection:** Along Hwy 111

### 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> 21:17:53 UTC | <b>End Time:</b> 0:51:48 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:**

\_\_\_\_\_

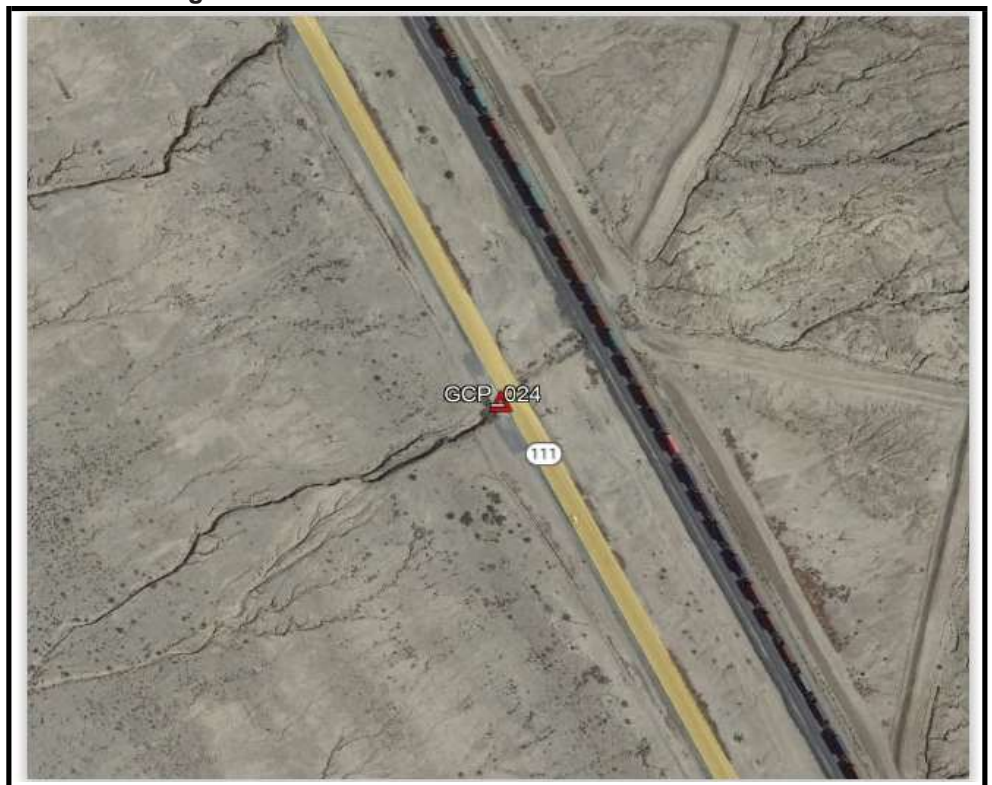
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Sketch or Image of Area





POINT ID: GCP\_024  
MONUMENT PHOTO



Control  
GCP\_024  
Pavement

12/03/2021





POINT ID: GCP\_024  
NORTH PHOTO



Control  
GCP\_024  
Pavement

12/03/2021



POINT ID: GCP\_024  
EAST PHOTO





POINT ID: GCP\_024  
SOUTH PHOTO







POINT ID: GCP\_024  
WEST PHOTO





RINEX FILE: c016337v.21o

TIME: 16:58:44 UTC

SOFTWARE: page5 2008.25 master255.pl 16032    START: 2021/12/03 21:18:00  
 EPHEMERIS: igr21865.eph [rapid]                    STOP: 2021/12/04 00:51:00  
 NAV FILE: brdc3370.21n                            OBS USED: 8401 / 8957 : 94%  
 ANT NAME: TPSHIPER\_SR    NONE                    # FIXED AMB: 48 / 49 : 98%  
 ARP HEIGHT: 02.000                                OVERALL RMS: 0.011(m)

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

X: -2321817.544(m) 0.005(m)                    -2321818.528(m) 0.005(m)  
 Y: -4795841.093(m) 0.017(m)                    -4795839.669(m) 0.017(m)  
 Z: 3493746.033(m) 0.011(m)                    3493745.928(m) 0.011(m)

LAT: 33 25 45.64200 0.005(m)                    33 25 45.65442 0.005(m)  
 E LON: 244 10 0.89656 0.005(m)                    244 10 0.83824 0.005(m)  
 W LON: 115 49 59.10344 0.005(m)                    115 49 59.16176 0.005(m)  
 EL HGT: -92.229(m) 0.019(m)                    -92.999(m) 0.019(m)  
 ORTHO HGT: -58.546(m) 0.057(m) [NAVD88 (Computed using GEOID18)]

### UTM COORDINATES    STATE PLANE COORDINATES

UTM (Zone 11)                    SPC (4301 UT N)

|                       |             |             |
|-----------------------|-------------|-------------|
| Northing (Y) [meters] | 3699494.445 | 241376.404  |
| Easting (X) [meters]  | 608480.348  | 93590.268   |
| Convergence [degrees] | 0.64292500  | -2.85704167 |
| Point Scale           | 0.99974508  | 1.00895900  |
| Combined Factor       | 0.99975956  | 1.00897361  |

US NATIONAL GRID DESIGNATOR: 11SPS0848099494(NAD 83)

### BASE STATIONS USED

| PID    | DESIGNATION                    | LATITUDE    | LONGITUDE    | DISTANCE(m) |
|--------|--------------------------------|-------------|--------------|-------------|
| DM7515 | HNPS HNPS_SCGN_CS1999 CORS ARP | N334218.007 | W1153807.159 | 35668.7     |
| DN5679 | SLMS SLMS_SCGN_CS1999 CORS ARP | N331732.005 | W1155840.182 | 20316.6     |
| AF9696 | DHLG DURMID HILL CORS ARP      | N332323.287 | W1154716.855 | 6067.0      |

### NEAREST NGS PUBLISHED CONTROL POINT

|        |                 |             |              |       |
|--------|-----------------|-------------|--------------|-------|
| AB5448 | HPGN D CA 11 GM | N332542.092 | W1154955.350 | 146.1 |
|--------|-----------------|-------------|--------------|-------|