



Date: December 4, 2021 **Time:** 22:39:48 UTC **Employee:** N. Guenther

Job Name: CA Salton Sea **Point ID:** GCP_028

State: California **Latitude:** 33 30 22.63961 **Longitude:** -115 46 00.03180

Address and/or Intersection: Along Gasline Rd & Coachella Canal Rd

OBSERVATION METHOD

<input type="radio"/>	VRS GNSS	H RMS:	V RMS:	Duration:		
<input checked="" type="radio"/>	STATIC GNSS	Start Time: 22:39:48 UTC	End Time: 23:42:06 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

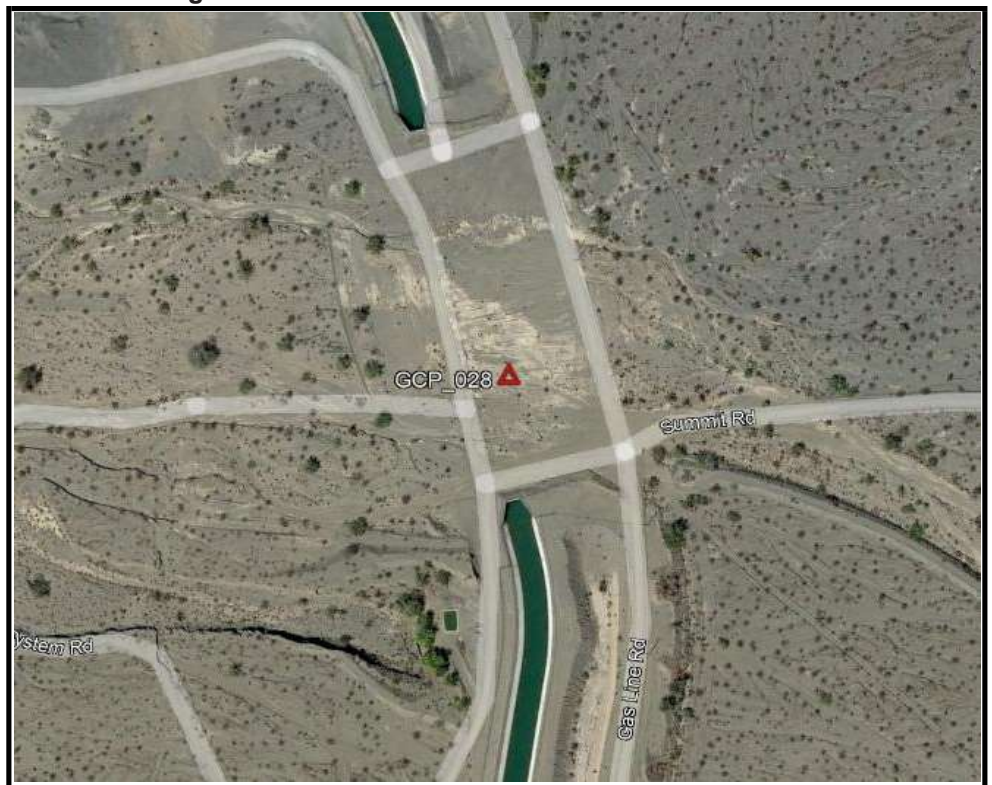
Date: _____

Time: _____

Pt ID: _____

Description: _____

Sketch or Image of Area





POINT ID: GCP_028
MONUMENT PHOTO

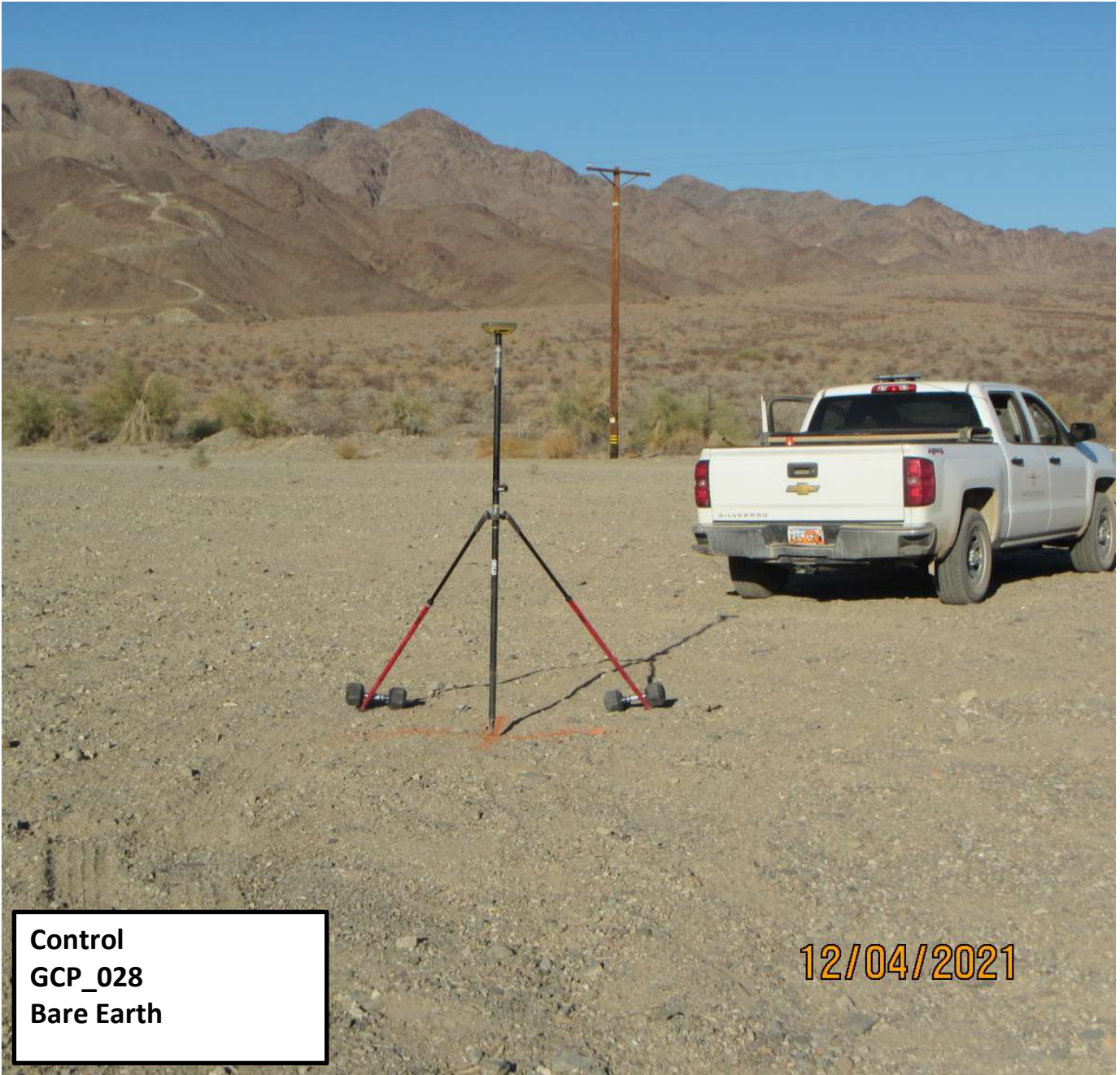


Control
GCP_028
Bare Earth

12/04/2021



POINT ID: GCP_028
NORTH PHOTO



**Control
GCP_028
Bare Earth**

12/04/2021



POINT ID: GCP_028

EAST PHOTO

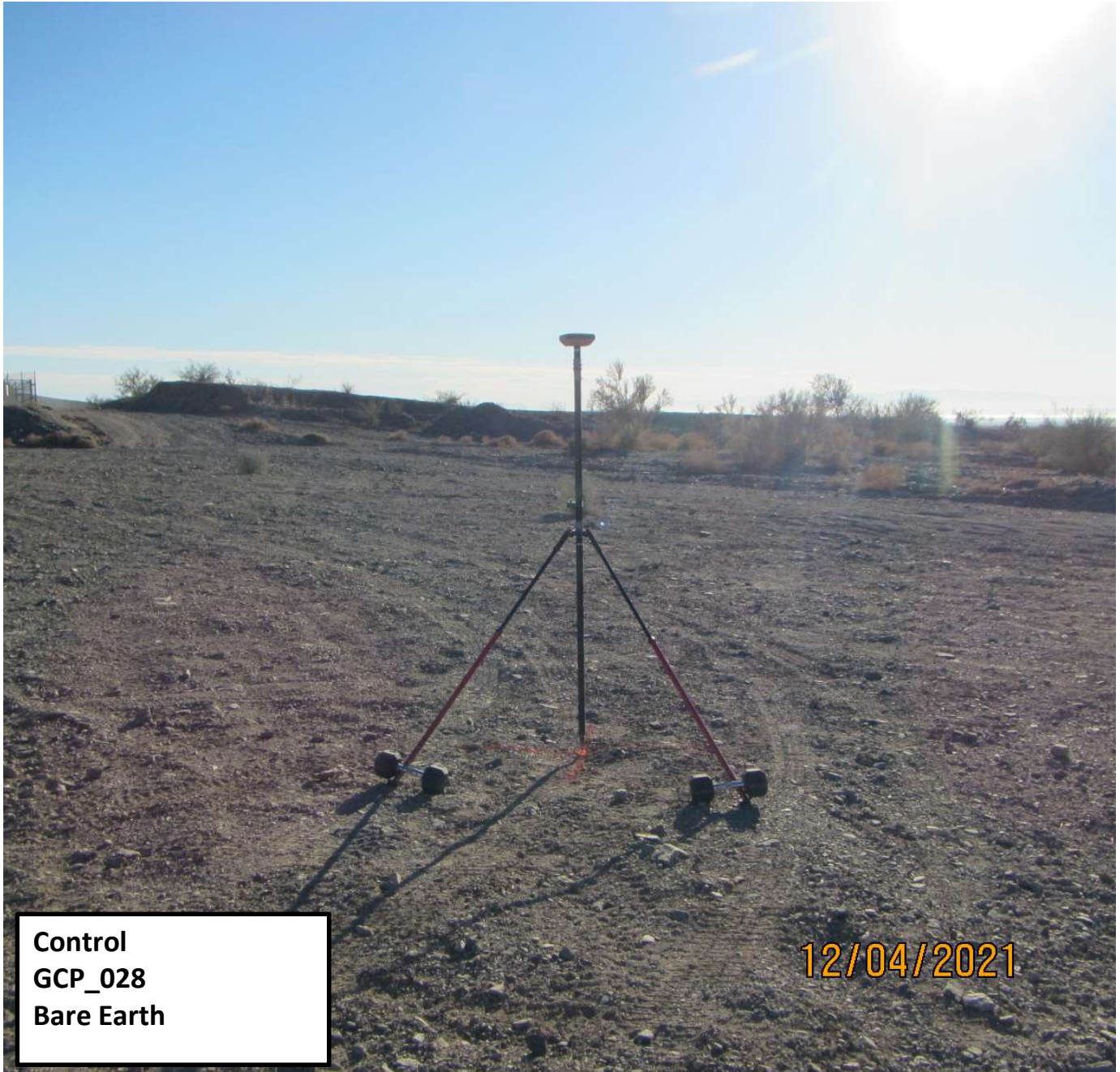


Control
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Bare Earth

12/04/2021



POINT ID: GCP_028
SOUTH PHOTO

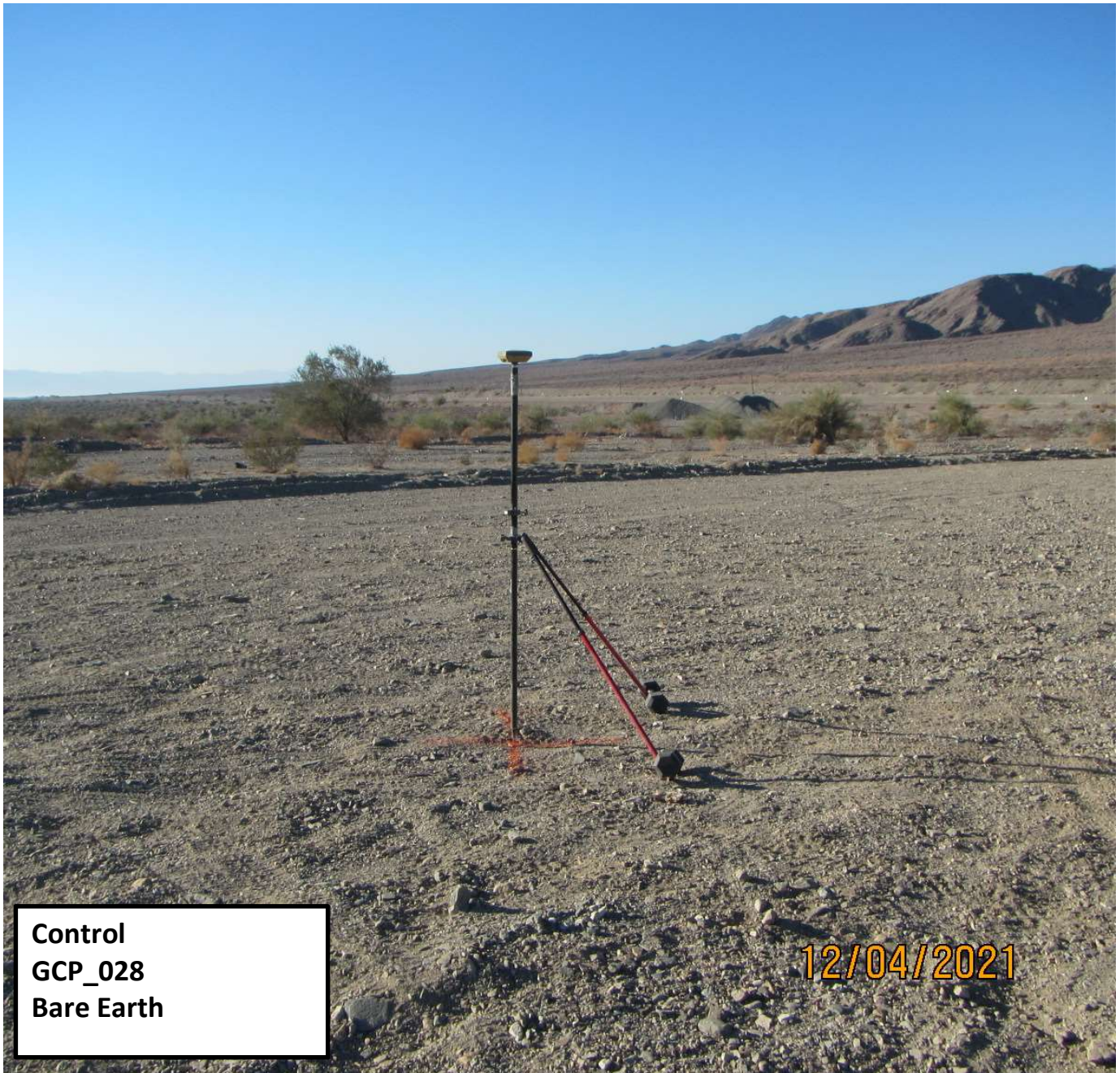


Control
GCP_028
Bare Earth

12/04/2021



POINT ID: GCP_028
WEST PHOTO





RINEX FILE: c018338w.21o

TIME: 18:59:53 UTC

SOFTWARE: rsgps 1.38 RS251.prl 1.99.3 START: 2021/12/04 22:39:48
 EPHEMERIS: igr21866.eph [rapid] STOP: 2021/12/04 23:42:06
 NAV FILE: brdc3380.21n OBS USED: 6867 / 7128 : 96%
 ANT NAME: TPSHIPER_SR NONE QUALITY IND. 46.84/ 85.24
 ARP HEIGHT: 02.000 NORMALIZED RMS: 0.236

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2021.92593)

X: -2314240.647(m) 0.007(m) -2314241.604(m) 0.007(m)
 Y: -4794351.016(m) 0.016(m) -4794349.634(m) 0.016(m)
 Z: 3500909.326(m) 0.011(m) 3500909.182(m) 0.011(m)

LAT: 33 30 22.63961 0.004(m) 33 30 22.65055 0.004(m)
 E LON: 244 13 59.96820 0.009(m) 244 13 59.91154 0.009(m)
 W LON: 115 46 0.03180 0.009(m) 115 46 0.08846 0.009(m)
 EL HGT: -11.927(m) 0.018(m) -12.698(m) 0.018(m)
 ORTHO HGT: 21.234(m) 0.027(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 11) SPC (4301 UT N)

Northing (Y) [meters] 3708097.116 249667.578
 Easting (X) [meters] 614553.007 100236.427
 Convergence [degrees] 0.68090556 -2.81325556
 Point Scale 0.99976178 1.00878459
 Combined Factor 0.99976365 1.00878648

US NATIONAL GRID DESIGNATOR: 11SPT1455308097(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DM7521	IMPS IMPS_SCGN_CS1999 CORS ARP	N340927.213	W1150842.312	92357.3
DM7557	P506 RAMER_LAKECS2005 CORS ARP	N330453.136	W1153036.663	52830.9
DH4108	P486 BORREGO AIRCS2004 CORS ARP	N331536.674	W1161920.181	58460.6
DN7434	P600 PUSHWALLA_CS2005 CORS ARP	N335157.032	W1161242.705	57406.0
DN7440	P610 AMERICMINECS2006 CORS ARP	N342532.675	W1154549.361	101990.1
DN7401	P494 WESTSIDE ESCS2005 CORS ARP	N324534.739	W1154355.389	82869.2
DG8353	P480 VALLECITO_CS2004 CORS ARP	N325833.570	W1162054.679	80001.3
DN5633	DSSC DSSC_SCGN_CS1998 CORS ARP	N334359.979	W1164243.475	91296.7
DN7452	P623 VIDALJUNCTCS2005 CORS ARP	N341120.147	W1143557.809	131923.3

NEAREST NGS PUBLISHED CONTROL POINT

DW1484 IRON PIPE NEAR OROCOPIA 1939 N333408.537 W1154647.135 7065.1