DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	20R1	1204

Gene V. Lusherovich 10/07/04
REGISTERED CIVIL ENGINEER DATE

12-6-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gene V. Lusherovich No. C 54338 Exp. 12/31/05 CIVIL STATE OF CALIFORNIA

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
303 Second St., Suite 700N
San Francisco, CA 94107-1317

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Caltrans Metric

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

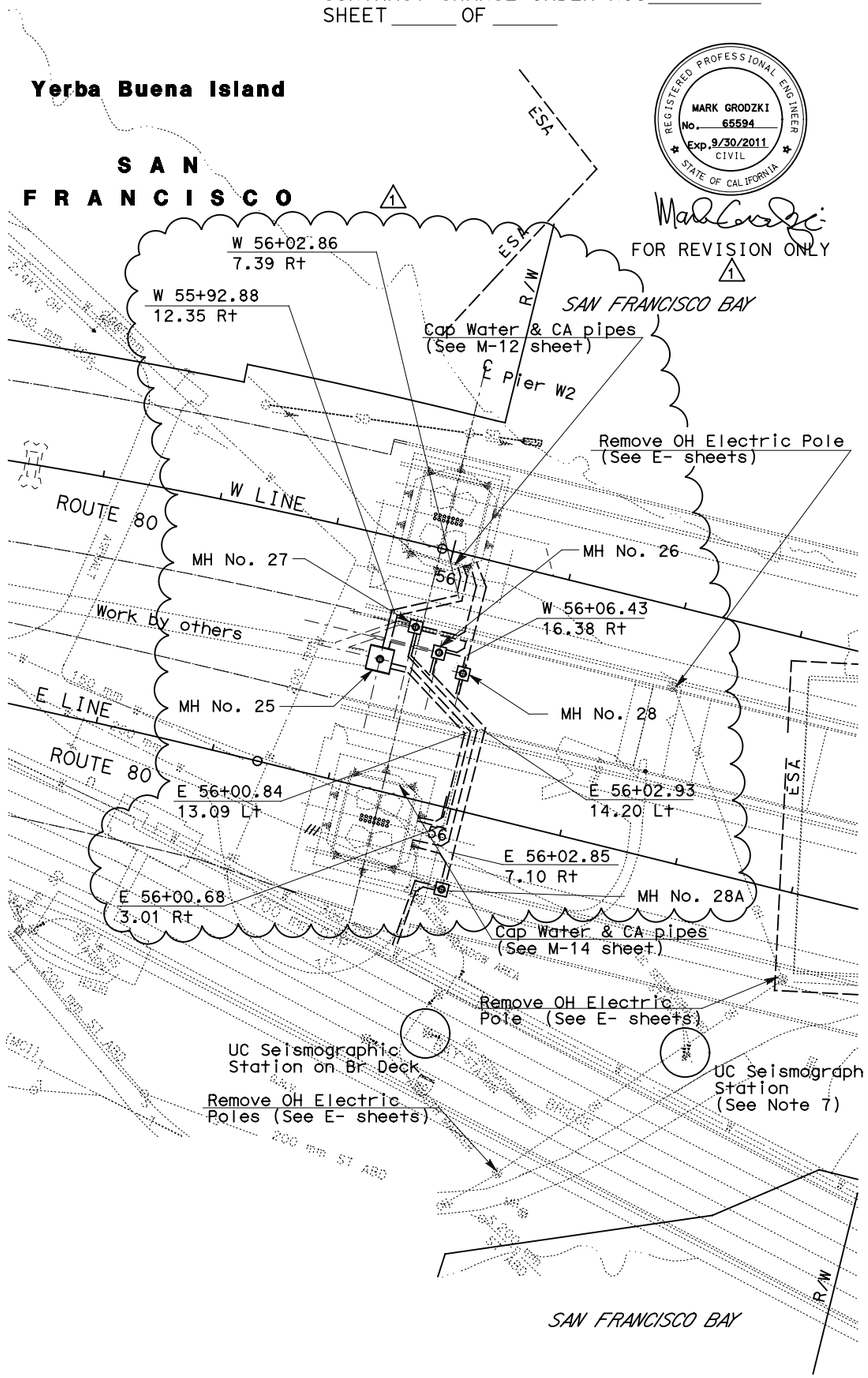
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	08/08/11	W2 DUCT BANKS REINFORCEMENT	MG	RG	205

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

REGISTERED PROFESSIONAL ENGINEER MARK GRODZKI No. 65594 Exp. 9/30/2011 CIVIL STATE OF CALIFORNIA

FOR REVISION ONLY 1



Existing buried miscellaneous items

Ref. No.	Station	Offset	Elevation	Description
1	E 55+74.606	34.379 Lt	19.620	Guy Wire Anchor
2	E 55+82.741	33.894 Lt	19.744	Guy Wire Anchor
3	E 55+92.631	32.741 Lt	19.881	Guy Wire Anchor
4	E 55+95.582	32.510 Lt	19.914	Guy Wire Anchor
5	E 55+74.951	12.560 Lt	20.417	Guy Wire Anchor
6	E 55+77.404	12.011 Lt	20.394	Guy Wire Anchor
7	E 56+01.638	7.525 Lt	20.704	Guy Wire Anchor
8	E 56+06.946	9.497 Lt	20.595	Guy Wire Anchor
9	E 56+03.665	7.181 Lt	20.712	South Tie-Back Anchor
10	E 56+02.966	7.161 Lt	20.695	South Tie-Back Anchor
11	E 55+89.163	7.646 Lt	20.420	South Tower Deadman
12	E 55+83.101	8.683 Lt	20.481	South Tie-Back Anchor
13	E 55+81.420	8.631 Lt	20.302	South Tie-Back Anchor
14	E 55+77.338	8.877 Lt	20.341	South Tie-Back Anchor
15	E 55+77.156	8.300 Lt	20.335	South Tie-Back Anchor
16	E 55+76.685	9.622 Lt	20.286	South Tie-Back Anchor
17	E 55+77.027	10.606 Lt	20.361	South Tie-Back Anchor
18	E 55+99.702	31.990 Lt	20.073	North Tie-Back Anchor
19	E 56+01.415	32.569 Lt	19.869	North Tie-Back Anchor
20	E 55+96.130	31.842 Lt	20.044	North Tie-Back Anchor
21	E 55+96.843	21.157 Rt	21.247	Guy Wire Anchor
22	E 55+81.770	18.677 Rt	20.689	Guy Wire Anchor
23	E 55+93.617	15.117 Rt	20.882	Guy Wire Anchor
24	E 55+77.764	12.157 Rt	20.319	Guy Wire Anchor
25	E 56+00.651	2.143 Lt	20.601	Guy Wire Anchor
26	E 55+84.798	5.103 Lt	20.32	Guy Wire Anchor
27	E 55+99.407	25.467 Rt	21.495	Guy Wire Anchor
28	E 55+95.401	18.967 Rt	21.084	Guy Wire Anchor
29	E 55+77.944	21.947 Rt	20.71	Guy Wire Anchor
30	E 55+73.947	15.437 Rt	20.341	Guy Wire Anchor
31	E 56+03.978	5.423 Lt	20.552	Guy Wire Anchor
32	E 56+00.472	11.933 Lt	20.491	Guy Wire Anchor
33	E 55+79.008	15.413 Lt	20.338	Guy Wire Anchor
34	E 55+93.822	20.677 Rt	21.107	Guy Wire Anchor
35	E 55+98.497	15.117 Rt	21.019	Guy Wire Anchor
36	E 55+76.029	16.767 Rt	20.452	Guy Wire Anchor
37	E 55+79.104	11.287 Rt	20.322	Guy Wire Anchor
38	E 55+99.312	0.773 Lt	20.62	Guy Wire Anchor
39	E 55+79.918	5.103 Lt	20.265	Guy Wire Anchor
40	E 55+84.593	10.663 Lt	20.356	Guy Wire Anchor
41	E 55+96.726	24.787 Rt	21.41	Guy Wire Anchor
42	E 56+00.720	18.277 Rt	21.225	Guy Wire Anchor
43	E 55+71.681	19.297 Rt	20.42	Guy Wire Anchor
44	E 55+75.675	12.777 Rt	20.284	Guy Wire Anchor
45	E 56+02.740	2.763 Lt	20.594	Guy Wire Anchor
46	E 56+06.734	9.283 Lt	20.532	Guy Wire Anchor
47	E 55+81.689	14.773 Lt	20.351	Guy Wire Anchor
48	E 55+79.222	31.188 Lt	20.066	Guy Wire Anchor
49	E 55+93.407	36.398 Lt	18.081	Guy Wire Anchor
50	E 55+99.532	53.198 Lt	4.743	Guy Wire Anchor
51	E 55+96.185	60.298 Lt	1.299	Guy Wire Anchor
52	E 55+85.007	57.638 Lt	2.953	Guy Wire Anchor
53	E 55+80.521	64.858 Lt	2.644	Guy Wire Anchor
54	E 55+78.155	40.558 Lt	15.18	Guy Wire Anchor
55	E 55+99.483	53.198 Lt	4.749	Guy Wire Anchor
56	E 55+99.439	57.098 Lt	2.418	Guy Wire Anchor
57	E 55+84.003	63.028 Lt	1.771	Guy Wire Anchor

NOTES:

1. Locations of utility facilities on these plans are approximate and shall be verified by the Contractor prior to construction.
2. Contractor to provide temporary utility connections during staging operations.
3. All compressed air lines are steel pipe unless otherwise noted.
4. All existing utilities are US Navy owned unless otherwise noted.
5. Contractor to protect /monitor existing utilities. Utilities are old and can break from ground vibration during construction.
6. US Navy's Electrical Power distributed as noted on the drawings.
7. Contractor to protect UC Seismograph Station.
8. Contractor to field route electrical duct bank. Excavation for installation of duct bank and manholes will be in the rock. For additional electrical manhole and duct bank information see E- sheets.
9. Elevation is based on 1929 National Geodetic Vertical datum (NGVD29).
10. Location of Guy Wire Anchors is approximate. Contractor to remove as necessary for construction of duct bank. Guy Wire and Tie-Back Anchors installed battered into the ground.

ABBREVIATIONS

ABD	Abandoned
CA	Compressed Air
DIP	Ductile Iron Pipe
E	Electric
FM	Force Main
kV	Kilo Volt
MCI	MCI Telecommunications
PACBELL	Pacific Bell
SFWD	San Francisco Water Department
S	Sanitary Sewer
ST	Steel
U	Utility
V	Volts
W	Water
UC	University of California

SYMBOLS

C	Cable Vault
E	Electric Handhole
E	Electric Manhole
	Electric Pull Box
	Fire Hydrant
	Light Pole
S	Sewer Manhole
	Storm Drain Inlet
T	Telephone Manhole
T	Telephone Vault
	Utility Pole
U	Utility Vault
W	Water Valve
W	Water Vault

LEGEND

SYMBOL	UTILITY	OWNERSHIP
—— SD ——	Storm Drainage	Caltrans or US Navy
—— CA ——	Compressed Air	Caltrans

UTILITY PLAN

SCALE: 1:500

U-1

THIS PLAN ACCURATE FOR UTILITIES ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

DGN FILE => 04-0120f1_0020R01.dgn
USERNAME => llorico

CU 04251 | EA 0120F1

LAST REVISION 00-00-00
DATE PLOTTED => 09-AUG-2011
TIME PLOTTED => 14:02

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT Bob Zandipour

CALCULATED/DESIGNED BY KR DATE 11/02 REVISED BY
CHECKED BY EPJ 11/02 DATE REVISED