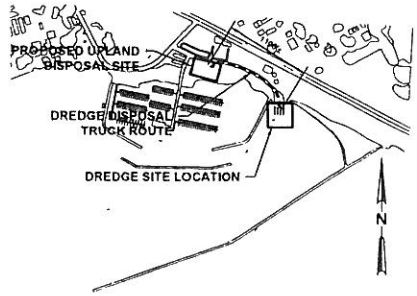
1 LOCATION MAP




2 DREDGE SITE AND FILL LOCATION PLAN

1"=800' 0 800' 1600'

## DREDGING TOE COORDINATES

Point Table

| Point # | Raw Description | Elevation | Northing | Easting |
|---|---|---|---|---|
| 1 | DREDGING TOE | -6.000 | 2011389.7920 | 5988164.5281 |
| 2 | DREDGING TOE | -6.000 | 2011380.5416 | 5988196.3645 |
| 3 | DREDGING TOE | -6.000 | 2011147.3454 | 5988184.1921 |
| 4 | DREDGING TOE | -6.000 | 2011179.4155 | 5988081.3040 |
| 5 | DREDGING TOE | -6.000 | 2011238.9825 | 5987956.2422 |
| 6 | DREDGING TOE | -6.000 | 2011346.6487 | 5987961.8623 |
| 7 | DREDGING TOE | -6.000 | 2011340.2252 | 5988120.4672 |

## DREDGE FILL AREA COORDINATES

Point Table

| Point # | Raw Description | Elevation | Northing | Easting |
|---|---|---|---|---|
| 8 | DREDGE FILL | 0.000 | 2011945.8647 | 5987117.1799 |
| 9 | DREDGE FILL | 0.000 | 2011929.0906 | 5987220.4646 |
| 10 | DREDGE FILL | 0.000 | 2011904.6721 | 5987313.2159 |
| 11 | DREDGE FILL | 0.000 | 2011903.8546 | 5987383.7086 |
| 12 | DREDGE FILL | 0.000 | 2011824.5968 | 5987352.2558 |
| 13 | DREDGE FILL | 0.000 | 2011824.7851 | 5987292.6396 |
| 14 | DREDGE FILL | 0.000 | 2011804.9793 | 5987237.5725 |
| 15 | DREDGE FILL | 0.000 | 2011828.1177 | 5987188.1110 |
| 16 | DREDGE FILL | 0.000 | 2011851.0453 | 5987095.8907 |

## SURVEY NOTES

**BATHYMETRIC SURVEY**

1. MULTIBEAM BATHYMETRIC SURVEY PREPARED BY ETRAG ENGINEERING, LLC. SURVEY PERFORMED FEBRUARY 17, 2012.
2. VERTICAL DATUM IS MEAN LOW LOWER WATER REFERENCED TO USC & GS DISK "TIDAL 5-1929" LOCATED ON CAPISTRANO ROAD. ELEVATION = 14.21' MLLW (1983-2001 EPOCH)
3. HORIZONTAL CONTROL US COASTGAURD BEACON (LINCOLN, CA - 314 MHZ)
4. HORIZONTAL DATUM IS NAD 83 PROJECTION TO STATE PLANE COORDINATE SYSTEM CALIFORNIA, ZONE 3 (0403)
5. GRID UNITS - U.S. FEET.
6. SOUNDINGS REPRESENTED IN U.S. SURVEY FEET.
7. BATHYMETRIC DATA IS VALID ONLY WITHIN THE TIME IN WHICH IT WAS COLLECTED.
8. STANDARD FIELD CALIBRATION PROCEDURES WERE PERFORMED.
9. EQUIPMENT: SURVEY VESSEL - "EKKO/25"; TRIMBLE 5700 - POSITION - US COASTGAURD BEACON (LINCOLN, CA - 314 MHZ); ODOM CV200 - SINGLE BEAM ECHO SOUNDER (200 KHZ); ODOM DIGIBAR - VELOCITY PROFILER; HYPACK V 2011 - ACQUISITION SOFTWARE.
10. SUPPLEMENTAL BATHYMETRY PREPARED BY GHD INC. PERFORMED APRIL 5, 2012

**TOPOGRAPHIC SURVEY**

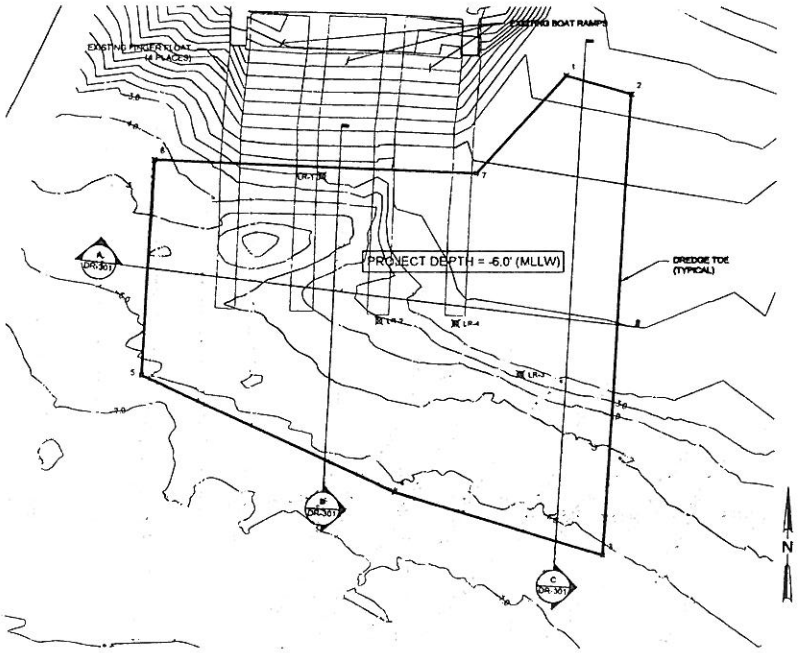
11. TOPOGRAPHIC SURVEY PREPARED BY WINZLER & KELLY PERFORMED FEBRUARY 2007
12. THE BASIS OF BEARING OF THIS SURVEY IS GRID BEARING OF N87°47'33"W BETWEEN CONTROL POINTS 204 AND 205 BASED UPON A TIE TO CORS STATION D6808 PPT5 PIGEON POINT 5 GRID BEARING PER CCS 83 ZONE 3 EPOCH 2002
13. AVERAGE COMBINED SCALE FOR THIS PROJECT IS 0.99994267787. TO OBTAIN GROUND LEVEL DISTANCE DIVIDE PROJECT DISTANCE BY AVERAGE COMBINED SCALE FACTOR
14. ELEVATIONS ARE BASED ON THE USC&GS DISC "TIDAL 5-1929" LOCATED ON CAPISTRANO ROAD PER NOAA (2006) ELEV = 14.21' MLLW (1983-2001 EPOCH)

## ESTIMATED DREDGING QUANTITIES

| DREDGING ELEVATION (MLLW) | DREDGING VOLUME (CY) |
|---|---|
| PROJECT GRADE MUDLINE TO -6' | 4,116 |
| OVERDEPTH -6' TO -7' | 1,409 |
| TOTAL | 5,525 |

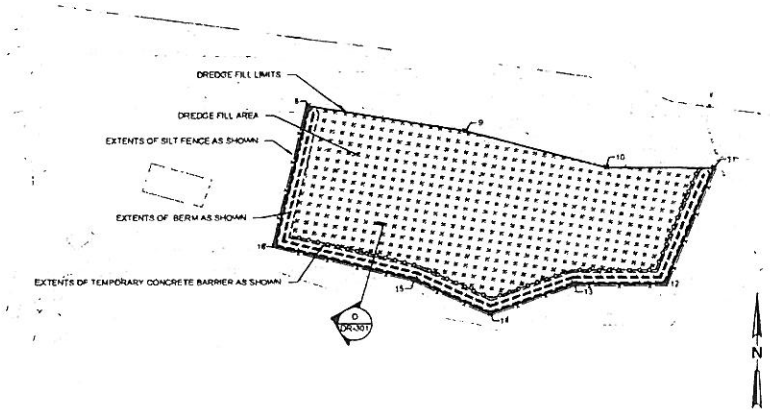
## LEGEND

LR-1 VIBRACORE SAMPLES TAKEN ON JANUARY 18 2012. REFER TO KINNETIC LABORATORIES INCORPORATED REPORT DATED FEBRUARY 24, 2012




3 PRE-DREDGE SURVEY

1"=30' 0 30' 60'




4 UPLAND DISPOSAL SITE

1"=40' 0 40' 80'

PRELIMINARY

| No. | Revision | Drawn | Job Manager | Project Director | Date |
|---|---|---|---|---|---|

Drawing Revisions

Note: * indicates signature on original issue of drawing or last revision of drawing

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Client: SAN MATEO COUNTY HARBOR DISTRICT

Project: PILLAR POINT HARBOR BOAT RAMP MAINTENANCE DREDGING

Title: LOCATION PLAN PRE-DREDGE SURVEY UPLAND DISPOSAL SITE

| | |
|---|---|
| Scale: AS SHOWN | Project No: 10449/0002 (3RM) |
| Drawn: PS | Designer: CL |
| Drafting Check | Design Check |

Approved (Project Director)

Date: MARCH 2012

This Drawing must not be used for Construction unless Signed and Sealed as Approved

Drawing No: DR-101

Sheet 1 of 2

Original Size: Ansi D

Rev

Plot Date: 15 November 2012 - 1:03 PM Plotted by: Phil Schwartz

Cad File No: N:\AUSSan Francisco\Projects\10449 San Mateo County Harbor District\10449-10002 Pillar Point Harbor\08-CAD\Sheet\10449-10002 (DR-101 THRU DR-301).dwg