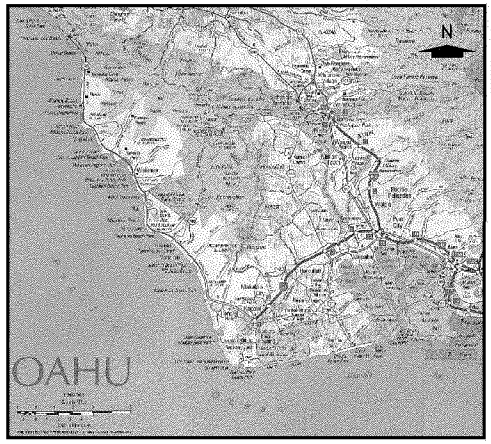
CONSTRUCTION DRAWINGS
CELLS E5 THROUGH E8
WAIMANALO GULCH LANDFILL
EWA BEACH, OAHU, HAWAII
JANUARY 2010



VICINITY MAP

GEOSYNTEC INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER AND INDEX SHEET
2	SITE PLAN AND EXISTING TOPOGRAPHY
3	BASE GRADING PLAN AND LCRS LAYOUT IN CELLS E5–E7
4	BASE GRADING PLAN AND LCRS LAYOUT IN CELL E8
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7	CONTAINMENT SYSTEM DETAILS III
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12	STAGE 1 MSW PLACEMENT PRIOR TO PHASE 2 WEST BERM
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C–01	PROJECT NOTES
C–02	PLAN AND PROFILE OF MODIFICATIONS
C–03	PLAN AND PROFILE PERMANENT DRAINAGE STA. 0+00 TO STA. 12+00
C–04	PLAN AND PROFILE PERMANENT DRAINAGE STA. 12+00 TO STA. 27+00
C–05	PLAN AND PROFILE PERMANENT DRAINAGE STA. 27+00 TO STA. 42+00
C–06	PLAN AND PROFILE PREMANENT DRAINAGE STA. 42+00 TO STA. 57+00
C–07	PLAN AND PROFILE PERMANENT DRAINAGE STA. 57+00 TO STA. 67+00
C–08	DIVERSION STRUCTURE PLAN AND SECTIONS
C–09	TRANSITION STRUCTURE PLAN AND SECTIONS
C–10	TRANSITION STRUCTURE PLAN AND SECTIONS STA. 52+44
C–11	TYPICAL SECTIONS (SHEET 1 OF 2)
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C–15	TRASHRACK PLANS, SECTIONS, AND DETAILS
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PREPARED FOR:

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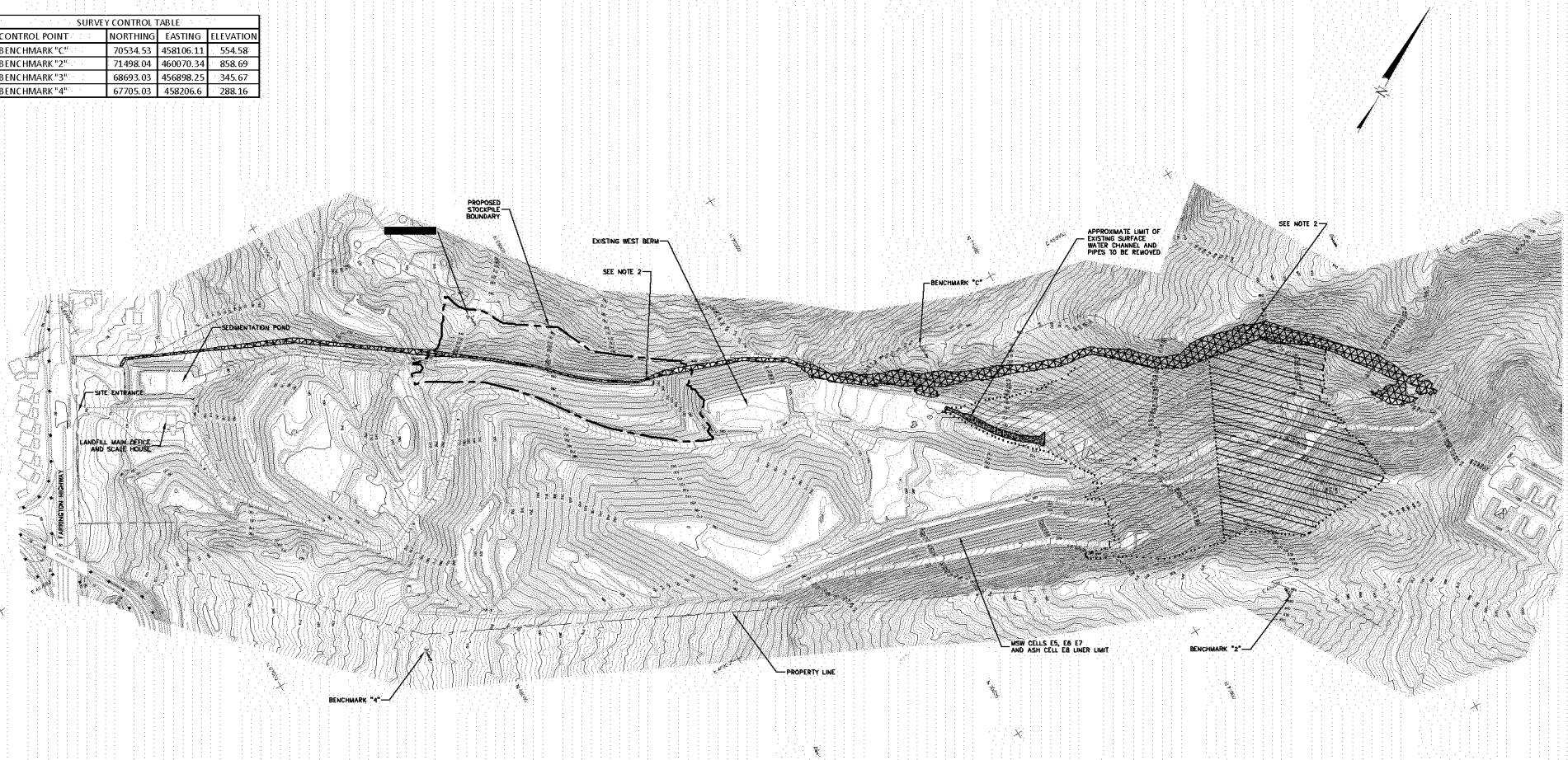
HAWAII, U.S.A.

PROJECT NO. WL0770

SHEET NO: 1 OF 46

WMH000919

SURVEY CONTROL TABLE			
CONTROL POINT	NORTHING	EASTING	ELEVATION
BENCHMARK "C"	70534.53	458106.11	554.58
BENCHMARK "2"	71498.04	460070.34	858.69
BENCHMARK "3"	68693.03	456898.25	345.67
BENCHMARK "4"	67705.03	458206.6	288.16



GENERAL NOTES:

1. EXISTING TOPOGRAPHY BASED ON 16 MARCH 2009 AERIAL SURVEY PROVIDED BY OWNER.

2. FOR WESTERN DRAINAGE IMPROVEMENTS REFER TO "WAIMANALO GULCH LANDFILL, WESTERN SURFACE WATER DRAINAGE PROJECT, EWA BEACH, OAHU, HAWAII, JANUARY 2010–CONSTRUCTION DRAWINGS", PREPARED BY GEI CONSULTANTS, INC.

3. A MINIMUM OF THREE DAYS BEFORE STARTING CONSTRUCTION AND AS PART OF MOBILIZATION, CONTRACTOR WITH OWNER/OPERATOR SHALL CLEARLY MARK/IDENTIFY THE LOCATION OF EXITING UTILITIES AND/OR FACILITIES. EXISTING UTILITIES MAY BE OVERHEAD, ABOVE-GROUND, OR BURIED. EXISTING UTILITIES INCLUDE, BUT ARE NOT LIMITED TO, OVERHEAD POWER LINES AND EXISTING FOUNDATIONS; GROUNDWATER MONITORING WELLS; LANDFILL GAS PROBES; LANDFILL GAS WELLS; SURFACE WATER SAMPLING LOCATIONS; LANDFILL GAS, LANDFILL CONDENSATE, AND LEACHATE PIPELINES; SURFACE CONTROL PIPES; ETC. COORDINATION WITH LOCAL UTILITIES AND/OR A PRIVATE UTLITY LOCATION SERVICE MAY BE REQUIRED.

LOCATION OF EXISTING UTILITIES SHALL BE CLEARLY MARKED BY FLAGGED 4-FT HIGH WOODEN STAKES AT 100-FT INTERVALS AND PAINT ON THE GROUND SURFACE. NEARER INTERVALS MAY BE REQUIRED BASED ON FIELD CONDITIONS. CONTRACTOR SHALL MONITOR AND MAINTAIN THE MARKINGS DURING THE CONSTRUCTION PROJECT UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER/OPERATOR.

4. CONTRACTOR SHALL FOLLOW ALL APPLICABLE CITY, STATE AND FEDERAL HEALTH AND SAFETY REQUIREMENTS TO GUARD AND PROTECT ALL WORKERS, PEDESTRIANS, AND THE PUBLIC FROM EXCAVATIONS, BLASTING OPERATIONS, CONSTRUCTION EQUIPMENT, TRAFFIC, CONSTRUCTION OPERATIONS, ALL OBSTRUCTIONS, AND OTHER DANGEROUS ITEMS (E.G., LANDFILL GAS) OR AREAS. A HEALTH AND SAFETY PLAN IS REQUIRED AS PART OF THE WORK.

LEGEND

- EXISTING GROUND 10-FT CONTOUR (MSL)
- EXISTING GROUND 2-FT CONTOUR (MSL)
- EXISTING BENCHMARK
- PROPERTY LINE
- CELLS E5, E6, AND E7 LIMIT OF EARTHWORK
- CELL E8 APPROXIMATE LIMIT OF EARTHWORK
- WESTERN SURFACE WATER DRAINAGE APPROXIMATE LIMIT OF EARTHWORK (SEE NOTE 2)
- PROPOSED STOCKPILE BOUNDARY

HARI D. SHARMA LICENSED PROFESSIONAL ENGINEER No. 10884 HAWAII, U.S.A.

250 125 0 250 500
SCALE IN FEET

REVISIONS

NO.	DESCRIPTION	DATE	BY

WASTE MANAGEMENT

Geosyntec consultants
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Oakland, CA 94612

SITE PLAN AND EXISTING TOPOGRAPHY
CELLS E5 THROUGH E8
WAIMANALO GULCH LANDFILL
EWA BEACH, OAHU, HAWAII

CONSTRUCTION DRAWINGS

DES BY: ACP	DATE: JANUARY 2010
DRN BY: ACP	SCALE: AS SHOWN
CHK BY: FWS	PROJECT: WL0770
REV BY: HDS	DOCUMENT:
APP BY: HDS	
FILE:	

SHEET NO. 2

P:\CADD\Land Projects 3\WM\Waimanalo\dwg\Cells E5-E6 and Partial West Berm Construction\E5-E6-SITE PLAN CONSTRUCTION LEVEL.dwg 1-13-10 KHayph

WMH000920