WMH001390

NOTE:

1. FIBER ROLLS SHALL BE PLACED ON GRADED SLOPES PER DETAIL 4/C-10 @ 50' O.C. ± PARALLEL TO CONTOURS ON SLOPES OR AS INDICATED IN THESE PLANS, AFTER SURVEYOR HAS MARKED APPROPRIATE CONTOUR LINES IN THE FIELD, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
2. AT THE OPTION OF THE OWNER, IF AFTER A SIGNIFICANT RAIN STORM EVENT THE OWNER DETERMINES THAT THE ROCK RIP-RAP SWALE OR SLOPE PROTECTION DOES NOT REDUCE EROSION AT THE TOE OF THE GEOMEMBRANE LINED SLOPES, THEN GRAVEL BAGS MAY BE PLACED ON THE GEOMEMBRANE COVERED SLOPES PARALLEL TO CONTOURS AS INDICATED IN THESE PLANS, AFTER A SURVEYOR HAS MARKED APPROPRIATE CONTOUR LINES IN THE FIELD. TIE DOWN WITH STRAPS TO EXISTUNG GEOMEMBRANE TIE-DOWNS.
3. THE CONTRACTOR SHALL POTHOLE ALONG ALL ASH OR MSW CELL LOCATIONS WHERE GRADING OR EXCAVATION OPERATIONS MAY OCCUR TO VERIFY LINER EDGE PRIOR TO ANY CONSTRUCTION OPERATIONS.

NOTCH OPENING INTO EXIST. CONC. CHANNEL WALL (IF REQUIRED TO MAINTAIN POSITIVE DRAINAGE IN SWALE TO CHANNEL.)

ROCK RIP-RAP SWALE, SEE DETAIL 3/C-4/C-11

FIBER ROLL, TYP SEE DETAIL 4/C-4/C-10

AT OPTION OF THE OWNER SEE NOTE 2

PLACE HANCOR SINGLE WALL 24" HDPE CPP

GRADE TO LOWPOINT FOR STORM DRAIN INLET, TYP. (NOTE: CONTRACTOR SHALL FIELD FIT INLET LOCATION TO CURRENT ACTIVE AREA OPERATIONS. SEE DETAIL 1/C-4/C-11

PIPE @ RIP-RAP, TYP SEE DETAIL 1/C-4/C-10

PLACE HANCOR SINGLE WALL 15" HDPE CPP

PLACE HANCOR DUAL WALL 15" HDPE CPP UNDER HAUL ROAD

STORM DRAIN INLET, TYP. SEE DETAIL 1/C-4/C-11

RIP-RAP PROTECTION, TYP SEE DET 2/C-4/C-10

CONTRACTOR SHALL GRADE AREA TO ~1.5% (MINIMUM) SLOPE TO MAINTAIN POSITIVE DRAINAGE PATTERNS AS SHOWN.

PLACE HANCOR DUAL WALL 18" HDPE CPP UNDER HAUL ROAD

PLACE HANCOR SINGLE WALL 18" HDPE CPP

AT OPTION OF THE OWNER SEE NOTE 2

ELEV. 392.00

ELEV. 394.00

ELEV. 396.00

ELEV. 398.00

APPROXIMATE LOCATION OF GAS HEADER PIPE, CONTRACTOR TO FIELD VERIFY LOCATION

FIBER ROLL, TYP SEE DETAIL 4/C-4/C-10

HIGH POINT RIDGE ELEV. 400.00

INVERT 399.25±

CONTRACTOR SHALL GRADE AREA TO ~1.0% (MINIMUM) SLOPE TO MAINTAIN POSITIVE DRAINAGE TOWARDS SWALE.

MAINTAIN 0.5% (MIN.) SLOPE, TYP.

CONTRACTOR SHALL GRADE 10-FOOT WIDE SWALE WITH 2:1 SIDE SLOPES AND 0.5% MINIMUM POSTIVE DRAINAGE SLOPE TOWARDS CONC. CHANNEL

40' 0 20' 40' 80'

GRAPHIC SCALE

NOT FOR CONSTRUCTION

REV	DATE	BRIEF	BY	APPROVED

JOB NUMBER 88119

FILE NO. 88119-C-4

DESIGNED: BWR DRAWN: RKH

CHECKED: REB APPROVED: – –

SCALE: SCALE: 1" = 40'

BENJAMIN W. REALCO LICENSED PROFESSIONAL ENGINEER No. 11337-C HAWAII, U.S.A.

This work was prepared by me or under my supervision. ("Supervision of design" shall be as defined in Chapter 115, Hawaii Administrative Rules, Professional Engineers, Architects, Surveyors, and Landscape Architects, State of Hawaii, Subchapter 1 Section 16-115-2. Definitions effective June 30, 1994)

EarthTech
A Tyco International Ltd. Company

WM WASTE MANAGEMENT

INTERIM ON-SITE DRAINAGE MEASURES
WAIMANALO GULCH LANDFILL

SITE PLAN

DATE: 10/19/05

DRAWING NO. C-4

SHEET 7 OF 16