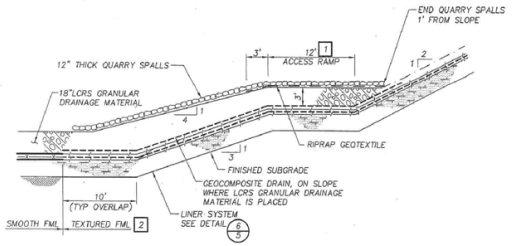
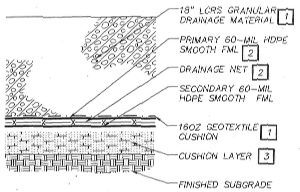


NOTE:

1 CONTRACTOR SHALL CHOKE QUARRY SPALLS WITHIN ACCESS RAMP WITH 3/4" AGGREGATE BASE MATERIAL.

2 TEXTURED FML SHALL BE INSTALLED FROM ANCHOR TRENCH TO 10 FEET BEYOND TOE OF SLOPE WITHIN ACCESS RAMP.

LEACHATE LAGOON ACCESS RAMP DETAIL NTS 3,4,5 14 1



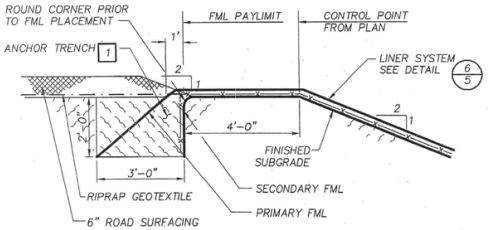
NOTES:

1 LCRS GRANULAR DRAINAGE MATERIAL AND GEOTEXTILE CUSHION LAYER SHALL BE PLACED ONLY ON THE BOTTOM OF THE LAGOON EXCEPT FOR ACCESS RAMP, SEE DETAIL 1/6

2 BENEATH THE ACCESS RAMP, INSTALL TEXTURED FML FOR THE PRIMARY AND SECONDARY LAYER AND SUBSTITUTE DRAINAGE NET WITH GEOCOMPOSITE (SLOPE), SEE SHEET 4.

3 CUSHION LAYER THICKNESS AS NECESSARY TO MEET SECTION 02232 OF THE SPECIFICATIONS.

LEACHATE LAGOON LINER SYSTEM DETAIL NTS 6 4,6

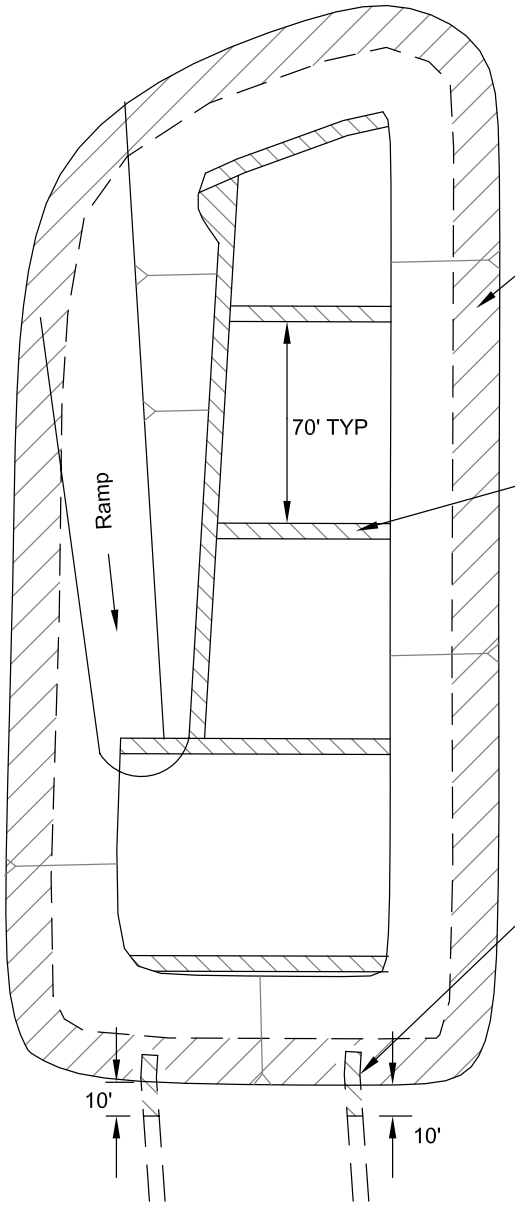


NOTE:

1 CONTRACTOR SHALL NOT BACKFILL ANCHOR TRENCH UNTIL THE FML HAS HAD TIME TO EXPAND AND CONTRACT INTO ITS FINAL POSITION.

LEACHATE LAGOON ANCHOR TRENCH

As - Built Details of Leachate Lagoon (Parametrix, Inc.)
FOR REFERENCE ONLY



Note: See details this sheet for As Built information on leachate lagoon liner system.

Remove All Liner Materials from Anchor Trench down to Minimum 8' Below Surrounding Grade

Trench Through and Remove All Liner Materials from 5' Wide Strip - Typ.

Remove Pipes to Min. 10' Beyond Top of Slope, Typ. of 2 Places.

Scale 1" = 20'

No.	Revised	By	Date
1	Addenda 1,2,3	GM	8/10/06

A-Mehr, Inc.
23016 Mill Creek Drive, Laguna Hills, California 92653 (949) 206-0157

Central Maul Landfill

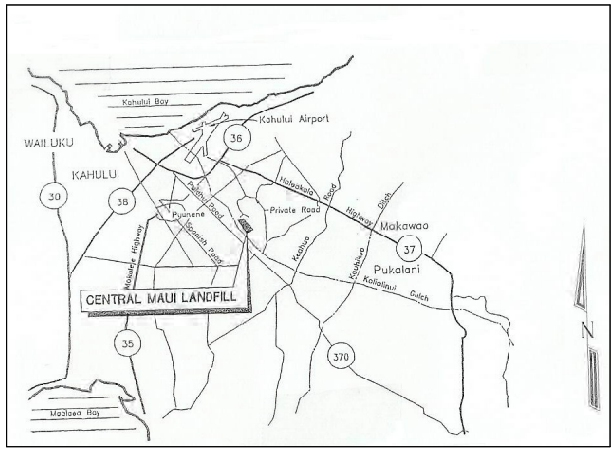
Phase IV-B Part 1&2 Construction Plans

Leachate Lagoon Demolition Plan

FILENAME: Maul ph IVB
DRAWN: GM
CHECKED:
DATE: 7/27/06
FIGURE: 17

Central Maui Landfill
Phase IV–A Modifications

Sheet Number	Sheet Title
1	Key Map
2	Liner Inspection and Repair
3	Rain Flap Installation
4	Additional Operations Layer & Settlement Monuments
5	Stormwater Improvements
6	Leachate Manhole Modifications
7	Leachate Storage Tank Installation
8	Leachate Storage and Transfer Piping
9	Electrical Scope of Work



Vicinity Map

Prepared by:

A-Mehr, Inc.
23016 Mill Creek Drive
Laguna Hills, CA 92653
(949) 206-0157
9/1/04

This work was prepared by me
Or under My Supervision

Project Engineer

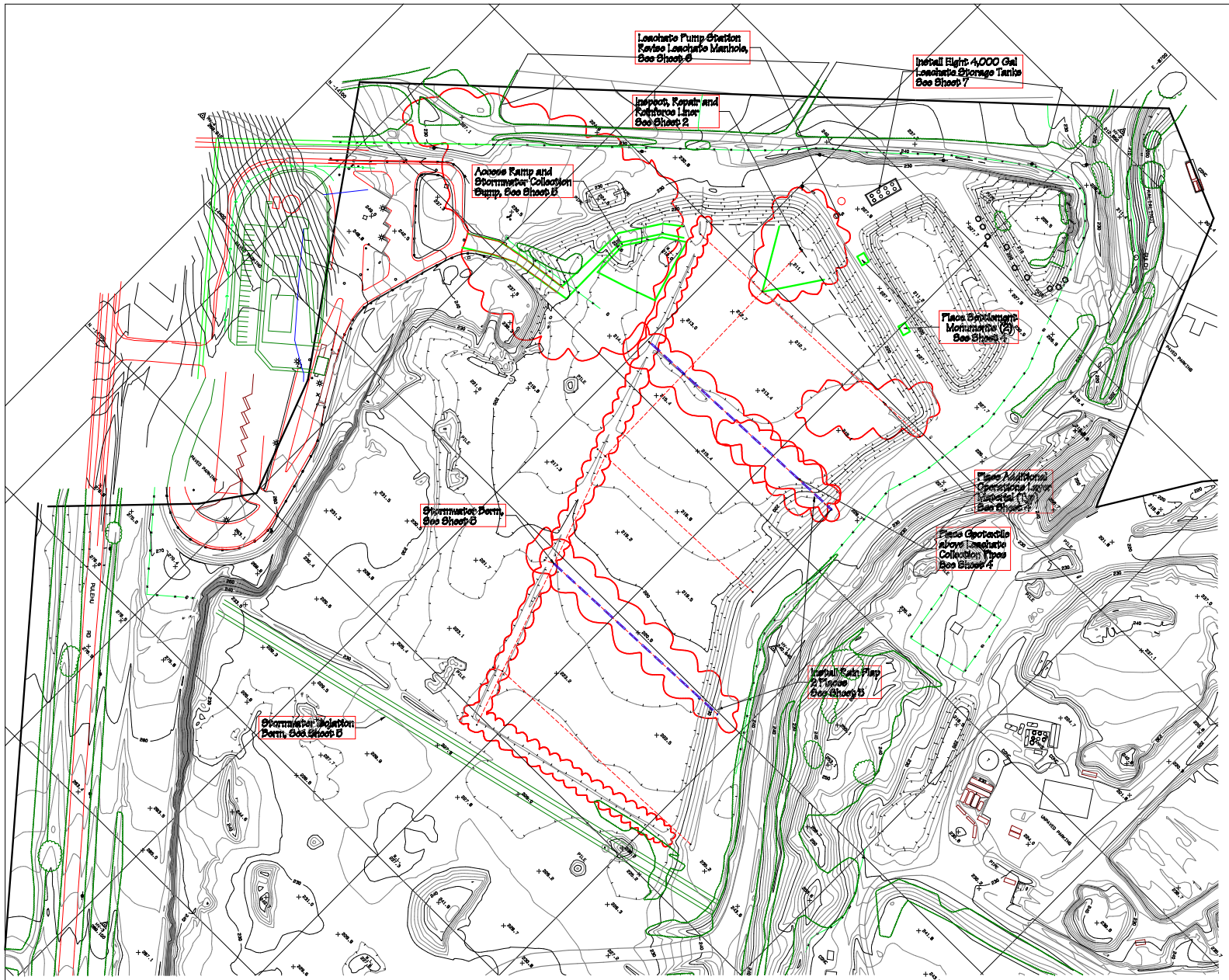
Ali Mehrazarin, PE

_____

date

Owner:

County of Maui
Department of Public Works
200 South High Street
Wailuku, Hawaii 96703



Notes

(1) Existing Topography Based on Aerial Survey By Walker & Associates Dated 2/16/05

(2) Landfill Design features Based on Drawings By Parametrix, Inc. Revised 7/9/98. Locations to be field verified.

GRAPHIC SCALE 1"=80'

3/4 0 3/4 80 3/4 160 3/4 240

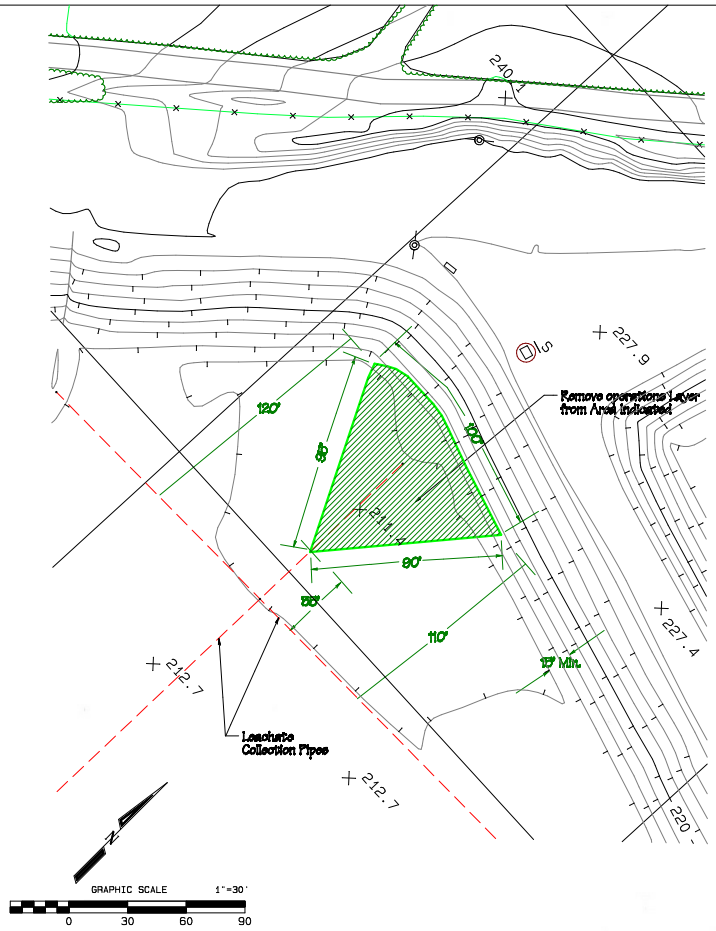
A-Mehr, Inc.

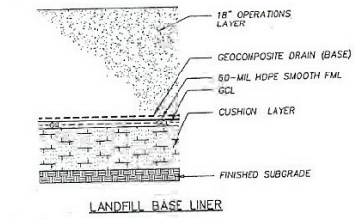
Central Maui Landfill

Phase IV-A Modifications

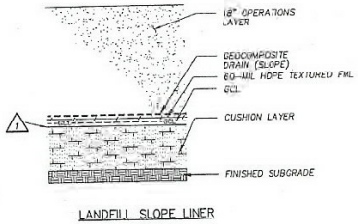
Key Map

PLAN/MAP	Imanishi
DRAWN	RM
CHECKED	
DATE	6/1/04
SHEET	1





LANDFILL BASE LINER



LANDFILL SLOPE LINER

Existing Liner Details (Ref.)
(Not to Scale)

INSPECTION AND REPAIR PROCEDURES

(1) Remove existing 18" operations layer material from area shown (approximately 8,000 sq. ft.) per specifications.

(2) Remove LCRS drainage material from around leachate collection pipe.

(3) Remove geocomposite drainage material.

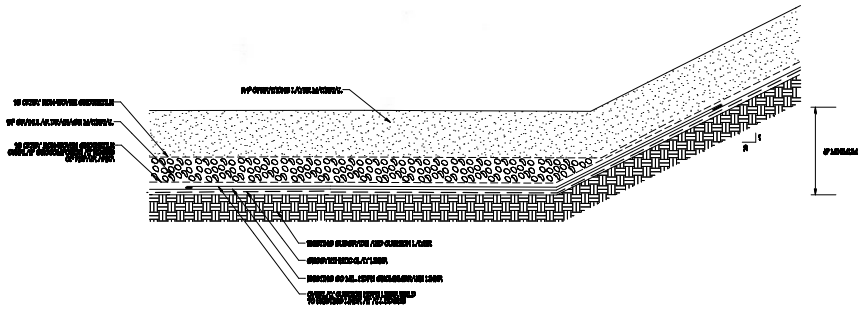
(4) Inspect and test HDPE liner, repair defects per specifications.

(5) Install overlay HDPE liner and geotextile per specifications and detail this sheet.

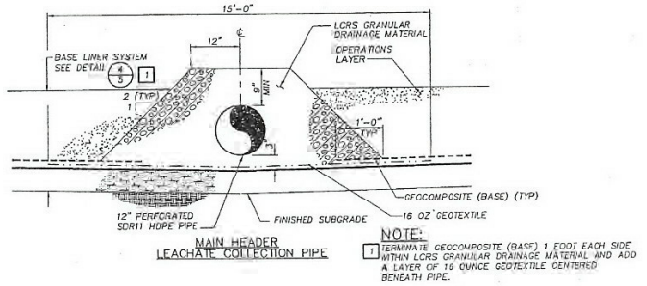
(6) Install 12" granular drainage material on floor per detail this sheet and additional drainage material above leachate pipe per original configuration.

(7) Cover granular drainage material with geotextile.

(8) Install minimum 24 inches operations layer material.



Base & Sideslope Liner after Inspection & Repair
(Not to Scale)



Existing Leachate Collection Pipe (Ref.)
(Not to Scale)

Notes

(1) Existing Topography Based on Aerial Survey By Walker & Associates Dated 2/16/05

(2) Landfill Design features Based on Drawings By Parametrix, Inc. Revised 7/8/98. Locations to be field verified.

A-Mehr, Inc.

Central Maui Landfill

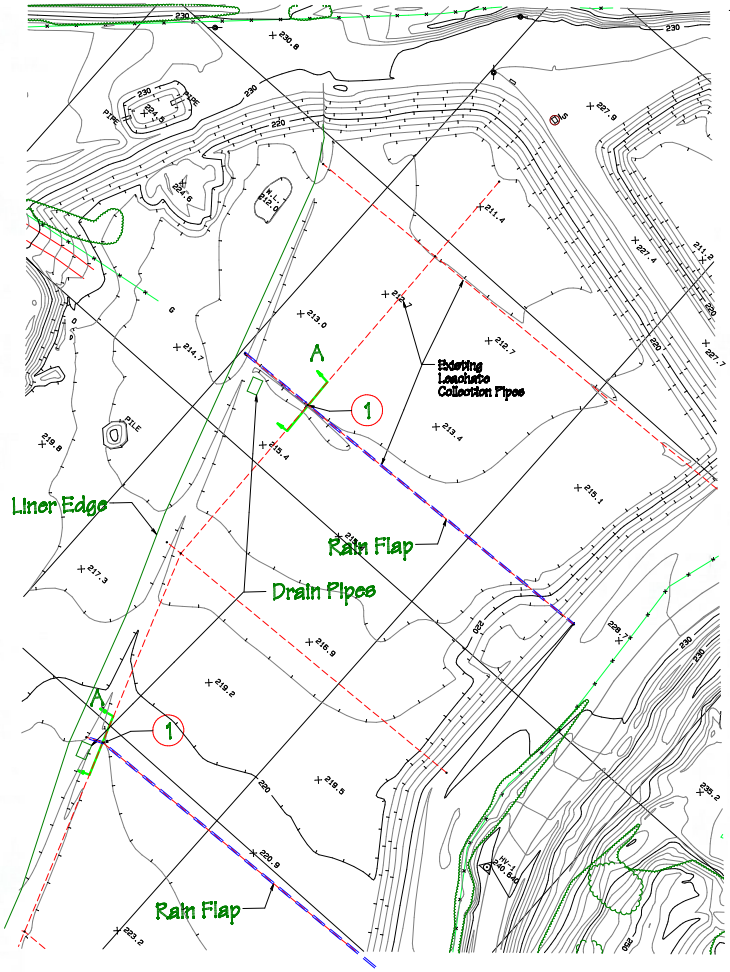
Phase IV-A Modifications

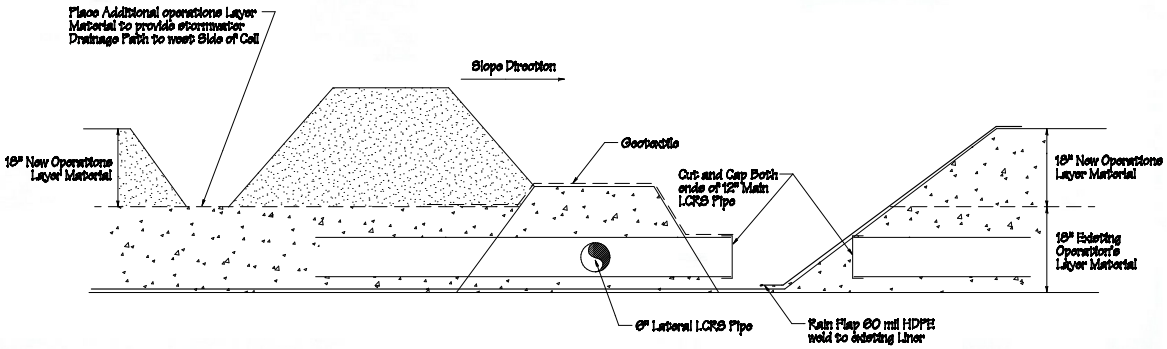
Liner Inspection and Repair

PRELIMINARY
DRAWN RM
CHECKED
DATE 6/1/04
SHEET 2

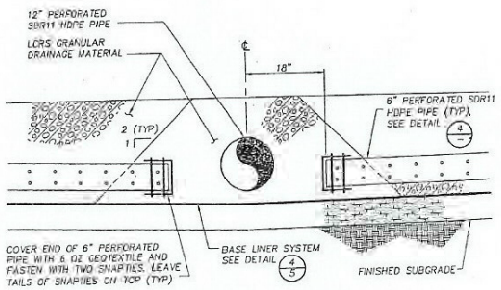
RAIN FLAP INSTALLATION:

(1) Remove existing operations layer material for 5 ft distance on downslope side of LCRS gravel wedge.
(2) Cut Geocomposite along line of gravel wedge and lay back.
(3) Remove section of main LCRS pipe per detail this sheet.
(4) Place additional operations layer material on downslope side of LCRS gravel wedge.
(5) Weld HDPE flap to HDPE liner & cover over top of additional operations layer material.
(6) Lay Geocomposite back over rain flap.
(7) Install additional operations layer material on upslope side of LCRS gravel wedge to form surface water drainage path to west perimeter of cell.

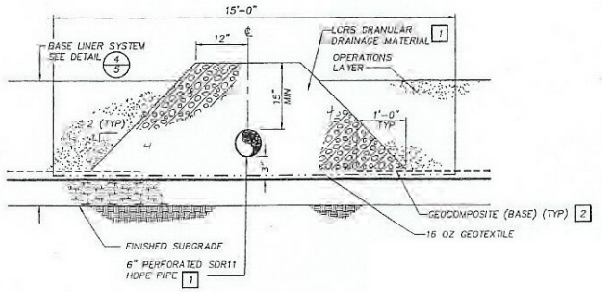




Cross-Section A-A



Existing Connection of Lateral Pipe to 12" Main Pipe (Ref.)
(Not to Scale)



Existing Lateral Leachate Pipe (Ref.)
(Not to Scale)

NOTE:
1 AT THE TOE OF THE SLOPE, TRANSITION FROM 6" PERFORATED HDPE PIPE TO 6" SOLID WALL HDPE PIPE, AND SUBSTITUTE LCRS GRANULAR DRAINAGE MATERIAL WITH OPERATIONS LAYER FOR THE SIDE SLOPES.
2 TERMINATE GEOCOMPOSITE (BASE) 1 FOOT EACH SIDE WITHIN LCRS GRANULAR DRAINAGE MATERIAL AND ADD A LAYER OF 16 OUNCE GEOTEXTILE CENTERED BENEATH PIPE.

Notes

(1) Existing Topography Based on Aerial Survey By Walker & Associates Dated 2/16/05
(2) Landfill Design features Based on Drawings By Parametrix, Inc. Revised 7/9/96. Locations to be field verified.

No.	Revision	Date	By
1	As-Built Rain Flap Installation	10/19/04	RM

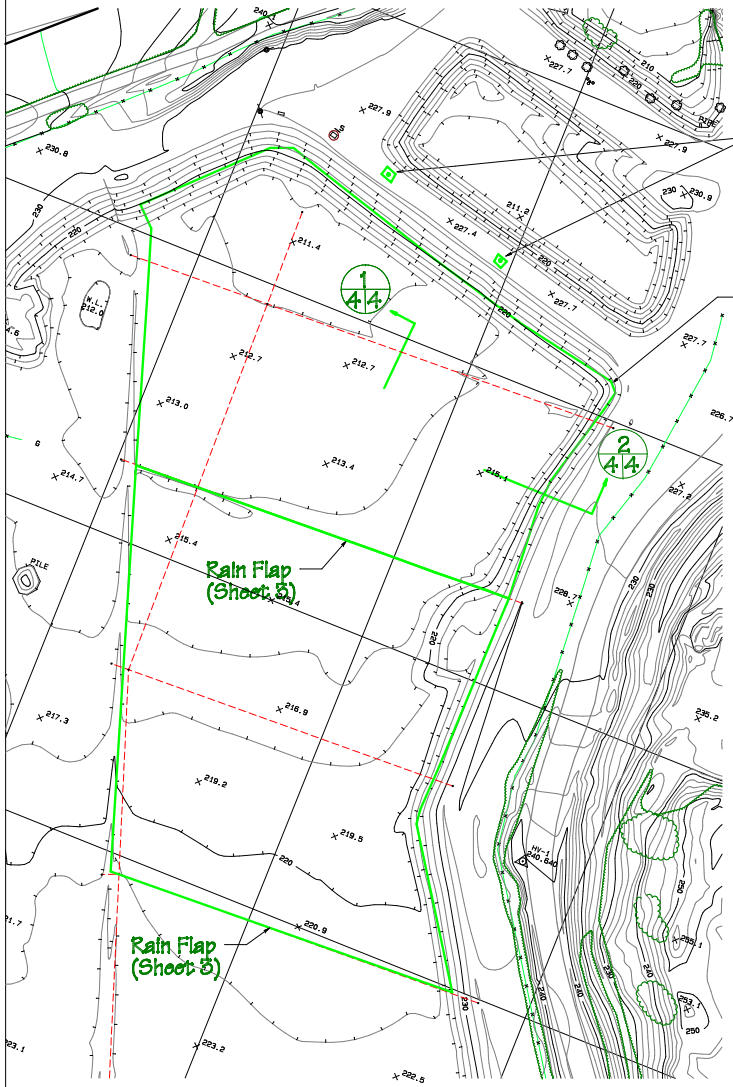
A-Mehr, Inc.

Central Maui Landfill

Phase IV-A Modifications

Rain Flap Inspection

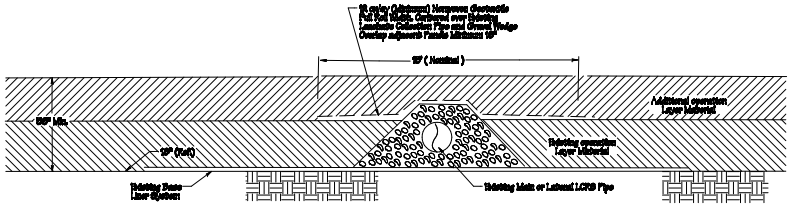
PRELIMINARY
Imperial
DRAWN RM
CHECKED
DATE 6/1/04
SHEET 5



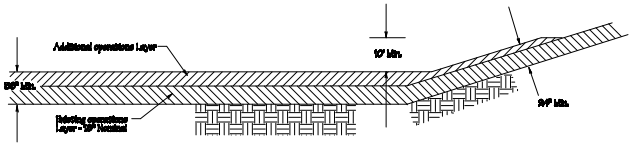
Additional Operations Layer Plan

GRAPHIC SCALE 1"=60'

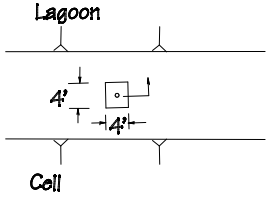
3/4 0 3/4 60 3/4 120 3/4 180



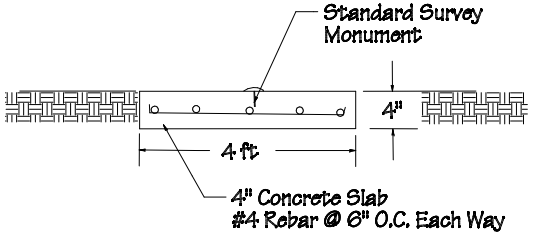
1/4/4 Geotextile above LCRS Pipes before additional operations Layer



2/4/4 Additional operations Layer on cell Floor and side slopes



Plan



Section

5/4/4 Survey Monuments in Leachate Berm

Notes

(1) Existing Topography Based on Aerial Survey By Walker & Associates Dated 2/16/05

(2) Landfill Design features Based on Drawings By Parametrix, Inc. Revised 7/8/98. Locations to be field verified.

A-Mehr, Inc.

Central Maui Landfill

Phase IV-A Modifications

Additional operations Layer and Settlement Monuments

PREPARED BY: [illegible]
DRAWN: RM
CHECKED:
DATE: 8/1/04
SHEET: 4