WLB

Golder Associates

CONSTRUCTION SPECIFICATIONS

DISPOSAL MODULE 6 BASE LINER SYSTEM

RECOLOGY HAY ROAD
Vacaville, California

RECEIVED
SACRAMENTO
CVRWQCB
12 JUN 14 AM 9:53

Prepared for:

Recology Hay Road
6426 Hay Road
Vacaville, California 95687

Prepared by:

Golder Associates Inc.
1000 Enterprise Way, Suite 190
Roseville, California 95678
(916) 786-2424

REGISTERED PROFESSIONAL ENGINEER
PETER E. BOWERS
C 65436
EXP. 9/30/13
CIVIL
STATE OF CALIFORNIA

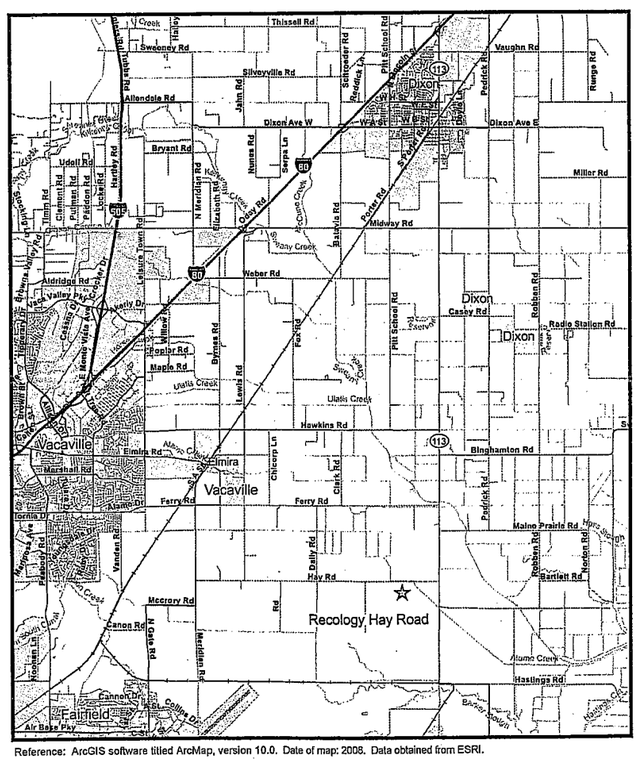
113-97417

March 2012

CONSTRUCTION DRAWINGS

DISPOSAL MODULE 6
BASE LINER DESIGN
RECOLOGY HAY ROAD

SOLANO COUNTY, CALIFORNIA
REVISION 0



Reference: ArcGIS software titled ArcMap, version 10.0. Date of map: 2008. Data obtained from ESRI.

8,000 0 8,000
SCALE FEET

LOCATION MAP

DRAWING NO.	TITLE
1	TITLE SHEET
2	SITE PLAN
3	SUBGRADE GRADING PLAN
4	SUBGRADE SURVEY GRID PLAN
5	ACCESS RAMP PLAN
6	SOIL BORROW EXCAVATION PLAN
7	CROSS-SECTIONS
8	CONTAINMENT SYSTEM DETAILS (1 of 2)
9	CONTAINMENT SYSTEM DETAILS (2 of 2)
10	SUMP DETAILS (1 of 2)
11	SUMP DETAILS (2 of 2)
12	LEACHATE EXTRACTION SYSTEM PLAN AND DETAILS

CLIENT:

RECOLOGY HAY ROAD

6426 HAY ROAD
VACAVILLE, CA 95687
PH: (707) 678-4718
FAX: (707) 678-5695

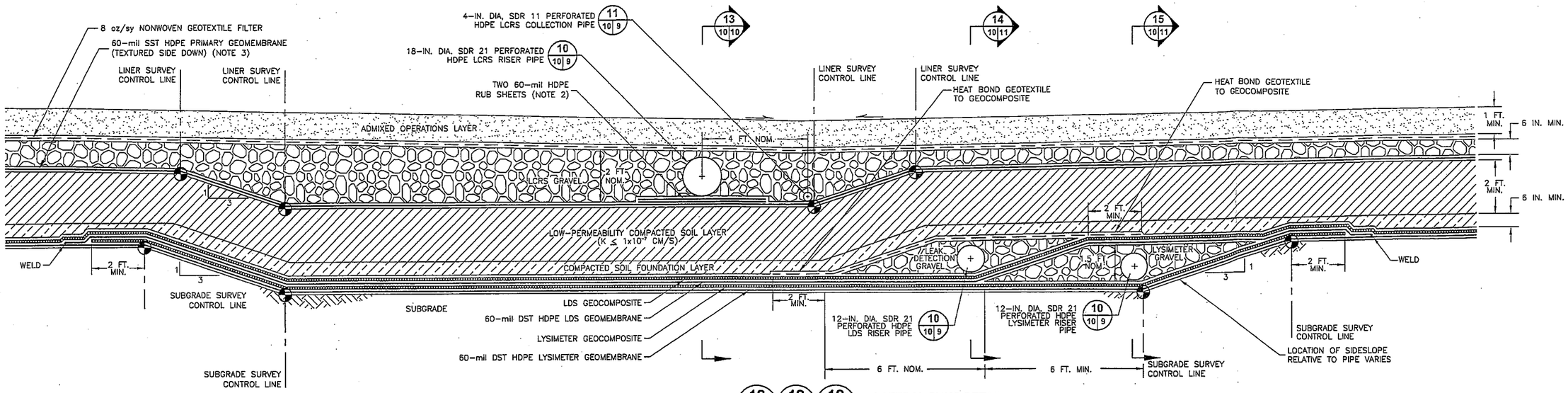
PREPARED BY:

Golder Associates

REGISTERED PROFESSIONAL ENGINEER
PETER E. BOWERS
NO. C65936
EXP. 09/30/13
CIVIL
STATE OF CALIFORNIA

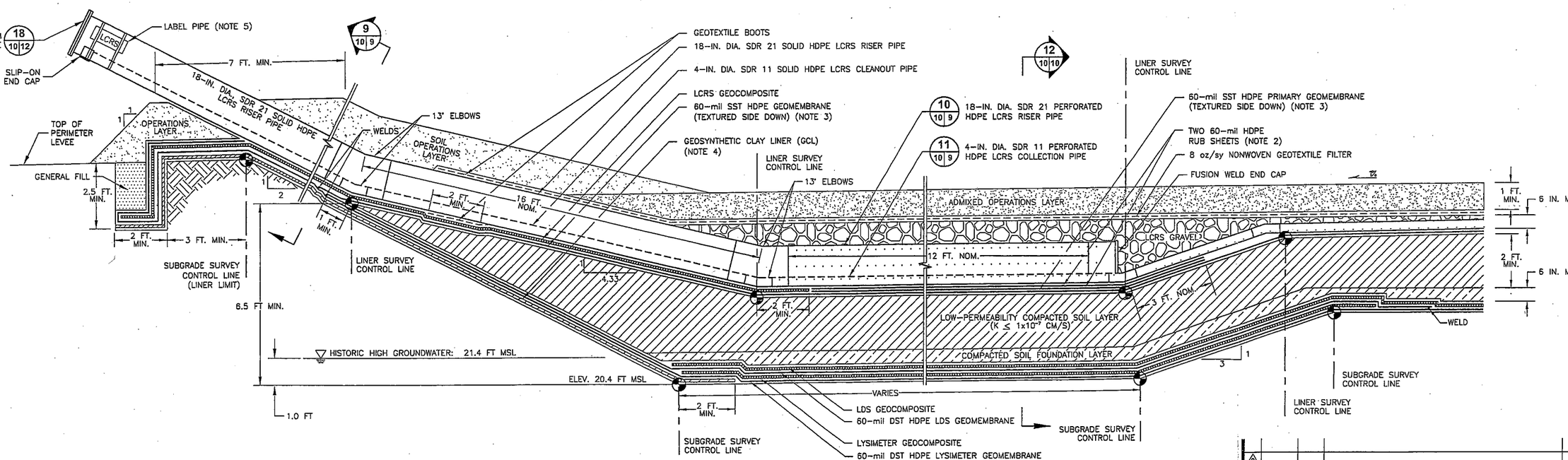
PETER E. BOWERS, P.E.

PROJECT NO.: 113-97417
PREPARED: MARCH 2012



LATERAL SUMP DETAIL

SCALE 2 0 2 FEET



SUMP DETAIL AT LCRS RISER PIPE

SCALE 2 0 2 FEET

LEGEND

- SLOPE INDICATOR
- GRADE INDICATOR
- SURVEY CONTROL INDICATOR (NOTE 6)
- DST — DOUBLE-SIDED TEXTURE
- SST — SINGLE-SIDED TEXTURE
- DETAIL/SECTION DESIGNATION
- DRAWING WHERE SECTION/DETAIL IS LOCATED
- DRAWING WHERE SECTION/DETAIL IS REFERENCED

NOTES

1) GEOSYNTHETICS THICKNESS EXAGGERATED FOR CLARITY.
2) TWO 5 FT WIDE 60-MIL HDPE RUB SHEETS OR ONE 5 FT WIDE GEOCOMPOSITE RUB SHEET SHALL BE PLACED UNDER THE 18 IN. DIAMETER LCRS PIPE WHERE IT LAYS OVER THE FLOOR GEOMEMBRANE. OVERLAP RUB SHEETS WITH LCRS GEOCOMPOSITE.
3) AS AN ALTERNATIVE TO SINGLE-SIDED TEXTURE, THE PRIMARY GEOMEMBRANE MAY BE TEXTURED ON BOTH SIDES.
4) GCL SHALL INCLUDE A 30-MIL HDPE GEOMEMBRANE BACKING. GEOMEMBRANE BACKING SHALL BE PLACED WITH THE GEOMEMBRANE IN CONTACT WITH THE SUBGRADE.
5) ALL RISER PIPES SHALL BE LABELED AS LCRS, LDS, LYS (LYSIMETER), OR INJ (INJECTION) WITH A METAL SIGN BANDED TO PIPE AT TOP OF RISER TERMINATION. SUBMIT SIGN DESIGN TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.
6) REFER TO DRAWING 3 FOR CONTROL POINT INFORMATION.

REGISTERED PROFESSIONAL ENGINEER PETER E. BONGIOS NO. C35435 EXP. 09/30/13 CIVIL STATE OF CALIFORNIA

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

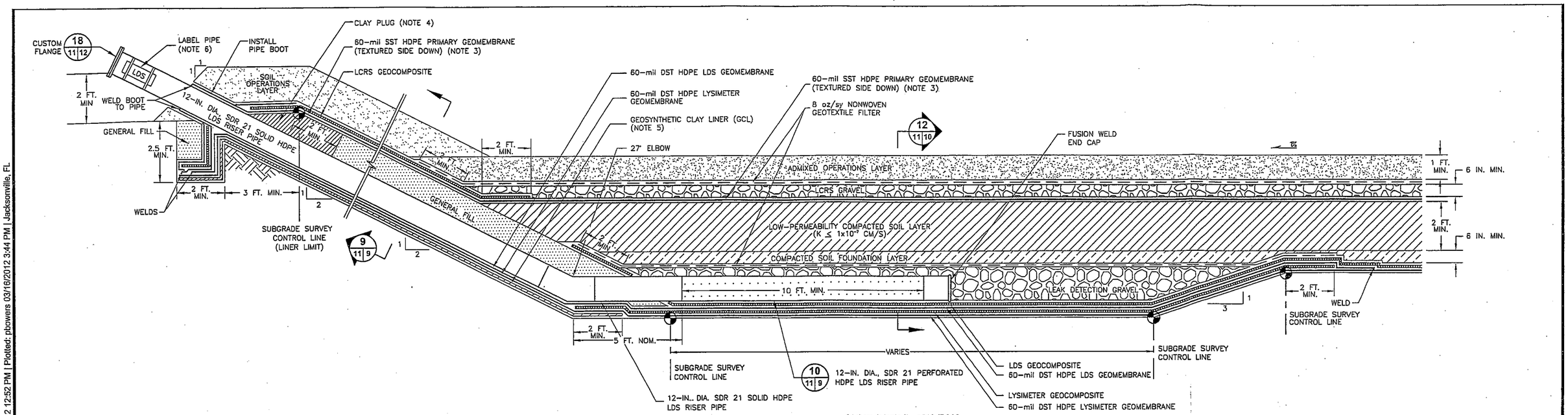
PROJECT
DM-6 BASE LINER DESIGN
RECOLOGY HAY ROAD FACILITY
SOLANO CITY, CA

TITLE
SUMP DETAILS (1 OF 2)

Golder Associates

PROJECT No.	113-97417	FILE No. RHR DM6 Liner-D8_12-Final	
DESIGN	PSB 3-16-12	SCALE	AS SHOWN
CADD	3-16-12		
CHECK	PSB 3-16-12	10	
REVIEW	KGH 3-16-12		

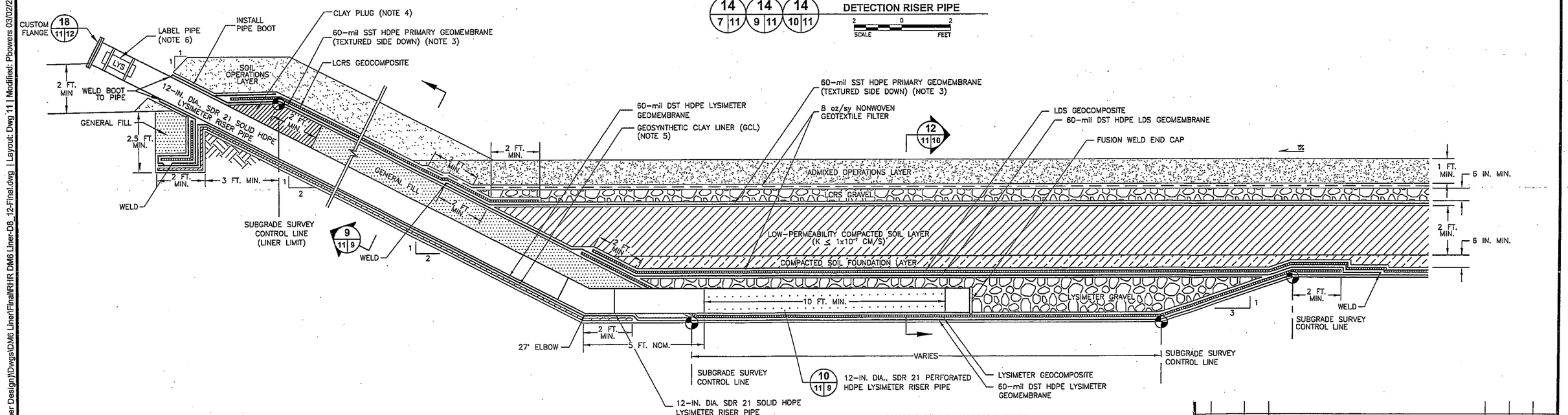
N:\Projects_20111113-97417 (Recology-RHR DM6 Liner Design)\Dwgs\DM6 Liner\Final\RHR DM6 Liner-D8_12-Final.dwg | Layout: Dwg 10 | Modified: Pbowers 03/02/2012 12:52 PM | Plotted: pbowers 03/16/2012 3:43 PM | Jacksonville, FL



14 7 11 | 14 9 11 | 14 10 11

SUMP DETAIL AT LEAK DETECTION RISER PIPE

SCALE 2 0 2 FEET



15 7 11 | 15 9 11 | 15 10 11

SUMP DETAIL AT LYSIMETER RISER PIPE

SCALE 2 0 2 FEET

LEGEND

- SLOPE INDICATOR
- GRADE INDICATOR
- SURVEY CONTROL INDICATOR (NOTE 7)
- DST — DOUBLE-SIDED TEXTURE
- SST — SINGLE-SIDED TEXTURE
- 8 / 3 6 — DETAIL/SECTION DESIGNATION; DRAWING WHERE SECTION/DETAIL IS LOCATED; DRAWING WHERE SECTION/DETAIL IS REFERENCED

NOTES

1) GEOSYNTHETICS THICKNESS EXAGGERATED FOR CLARITY.
2) TWO 5 FT WIDE 60-mil HDPE RUB SHEETS OR ONE 5 FT WIDE GEOCOMPOSITE RUB SHEET SHALL BE PLACED UNDER THE 18 IN. DIAMETER LCRS PIPE WHERE IT LAYS OVER THE FLOOR GEOMEMBRANE. EXTEND RUB SHEET 2-FEET UP SLOPE.
3) AS AN ALTERNATIVE TO SINGLE-SIDED TEXTURE, THE PRIMARY GEOMEMBRANE MAY BE TEXTURED ON BOTH SIDES.
4) CLAY PLUG SHALL CONSIST OF ONSITE CLAY. CLAY PLUG SHALL BE COMPACTED TO 90% MODIFIED PROCTOR (ASTM D1557) AT 0 TO +4% OF OPTIMUM MOISTURE CONTENT.
5) GCL SHALL INCLUDE A 30-MIL HDPE GEOMEMBRANE BACKING. GEOMEMBRANE BACKING SHALL BE PLACED WITH THE GEOMEMBRANE IN CONTACT WITH THE SUBGRADE.
6) ALL RISER PIPES SHALL BE LABELED AS LCRS, LDS, LYS (LYSIMETER), OR INJ (INJECTION) WITH A METAL SIGN BANDED TO PIPE AT TOP OF RISER TERMINATION. SUBMIT SIGN DESIGN TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.
7) REFER TO DRAWING 3 FOR SURVEY CONTROL POINT INFORMATION.

REGISTERED PROFESSIONAL ENGINEER PETER E. BOWERS NO. C63435 EXP. 09/30/13 CIVIL STATE OF CALIFORNIA

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0						

PROJECT
DM-6 BASE LINER DESIGN
RECOLOGY HAY ROAD FACILITY
SOLANO COUNTY, CA

TITLE
SUMP DETAILS (2 OF 2)

Golder Associates

PROJECT No.		113-97417	FILE No. RHR DM6 Liner-D8_12-Final
DESIGN	PEB	3-16-12	SCALE AS SHOWN
CADD		3-16-12	
CHECK	PEB	3-16-12	11
REVIEW		3-16-12	

N:\Projects_2011\113-97417 (Recology-RHR DM6 Liner Design)\Dwgs\D\M6 Liner\Final\RHR DM6 Liner-D8_12-Final.dwg | Layout: Dwg 11 | Modified: Pbowers 03/02/2012 12:52 PM | Plotted: pbowers 03/16/2012 3:44 PM | Jacksonville, FL