

CONSTRUCTION PLANS FOR MODULE 6 LINER SYSTEM

**WESTERN PLACER WASTE MANAGEMENT AUTHORITY
WESTERN REGIONAL SANITARY LANDFILL
PLACER COUNTY, CALIFORNIA**



DECEMBER 2022

PREPARED FOR:
WESTERN PLACER WASTE MANAGEMENT AUTHORITY
3013 FIDDYMENT ROAD
ROSEVILLE, CA 95747

PREPARED BY

WSP GOLDER

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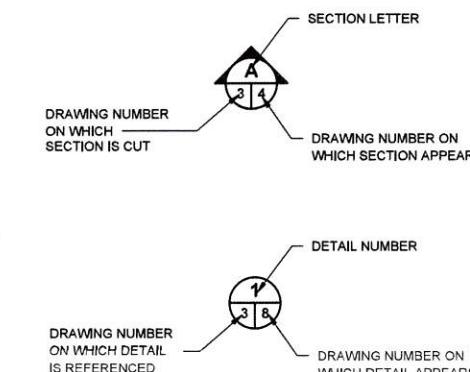
GENERAL NOTES

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN IN THESE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE PLACER COUNTY STANDARD SPECIFICATIONS AND ANY APPLICABLE CONTRACT SPECIFICATIONS.
2. CONTRACTOR SHALL PROVIDE ALL TEMPORARY UTILITIES (WATER, ELECTRICAL AND TELEPHONE SERVICE) AS NECESSARY TO SUCCESSFULLY COMPLETE ANY AND ALL CONSTRUCTION ACTIVITIES.
3. ALL EXISTING FENCES, MONITORING WELLS, PIPELINES, GAS LINES, PROBES, ETC. SHALL BE PROTECTED FROM DAMAGE OR BE REPLACED AT THE CONTRACTOR'S EXPENSE.
4. ALL EXISTING AND PROPOSED DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO STARTING WORK.
5. CONTRACTOR SHALL COORDINATE WITH WESTERN PLACER WASTE MANAGEMENT AUTHORITY ON ALL CONSTRUCTION ACTIVITIES.
6. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITIES WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ANY DAMAGE DONE BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO THE ENGINEER'S SATISFACTION AT THE CONTRACTOR'S SOLE EXPENSE WITHOUT ADDITIONAL COMPENSATION.
7. CONTRACTOR AGREES THAT THEY SHALL ASSUME RESPONSIBILITY FOR JOB-SITE CONDITIONS, SAFETY OF ITS EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS, AND EQUIPMENT DURING THE COURSE OF CONSTRUCTION, AS REQUIRED BY THE CONTRACT DOCUMENTS.
8. ALL GRADING SHALL BE DONE IN CONFORMANCE WITH SECTION 02200 OF THE PROJECT SPECIFICATIONS AND THE PROJECT CONSTRUCTION QUALITY ASSURANCE (CQA) MANUAL.
THE CONTRACTOR SHALL KEEP A COPY OF HIS HEALTH AND SAFETY PLAN ON SITE. ALL CONTRACTOR PERSONNEL AND SUBCONTRACTORS ARE REQUIRED TO READ AND ADHERE TO THE PROVISIONS AS SET FORTH IN THE HEALTH AND SAFETY PLAN AT ALL TIMES.

ABBREVIATIONS

§ CENTERLINE
 Ø DIAMETER
 DST DOUBLB SIDED TEXTURED
 E EASTING
 EL ELEVATION
 FL FLOWLINE
 GCL GEOSYNTHETIC CLAY LINER
 HDPE HIGH DENSITY POLYETHYLENE
 LCRS LEACHATE COLLECTION AND REMOVAL SYS
 LFG LANDFILL GAS
 MIN MINIMUM
 N NORTHING
 NIC NOT IN CONTRACT
 SDR STANDARD DIMENSION RATIO
 SST SINGLE SIDED TEXTURED
 TDS TERRICAN

SYMBOLS



LEGEND

| PROPERTY LIMIT | DWG. NO. | TITLE | ISSUE | DATE |
|-------------------------------------|----------|-------------------------|-------|------------|
| LIMIT OF MODULES | 1 | TITLE SHEET | 0 | 2022-12-01 |
| LIMIT OF MODULE 5 LINER | 2 | SITE PLAN | 0 | 2022-12-01 |
| LIMIT OF MODULE 14 SIDE SLOPE LINER | 3 | TOP OF SUBGRADE | 0 | 2022-12-01 |
| PG&E POWER LINE EASEMENT | 4 | SECTIONS | 0 | 2022-12-01 |
| HORIZONTAL : VERTICAL SLOPE | 5 | MODULE 6 DETAILS | 0 | 2022-12-01 |
| GRADE | 6 | MODULE 6 DETAILS | 0 | 2022-12-01 |
| | 7 | MODULE 6 DETAILS | 0 | 2022-12-01 |
| | 8 | SUMP PLAN | 0 | 2022-12-01 |
| | 9 | SUMP SECTION & DETAILS | 0 | 2022-12-01 |
| | 10 | PIPING DETAILS | 0 | 2022-12-01 |
| | 11 | SUBGRADE SURVEY CONTROL | 0 | 2022-12-01 |

INDEX OF DRAWINGS

| <u>DWG. NO.</u> | <u>TITLE</u> | <u>ISSUE</u> | <u>DATE</u> |
|-----------------|-------------------------|--------------|-------------|
| 1 | TITLE SHEET | 0 | 2022-12-01 |
| 2 | SITE PLAN | 0 | 2022-12-01 |
| 3 | TOP OF SUBGRADE | 0 | 2022-12-01 |
| 4 | SECTIONS | 0 | 2022-12-01 |
| 5 | MODULE 6 DETAILS | 0 | 2022-12-01 |
| 6 | MODULE 6 DETAILS | 0 | 2022-12-01 |
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| 11 | SUBGRADE SURVEY CONTROL | 0 | 2022-12-01 |

THE JOURNAL OF CLIMATE

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WSP GOLDER

WSP GOLDER

— 2000 年 — 1999 年 2000 年

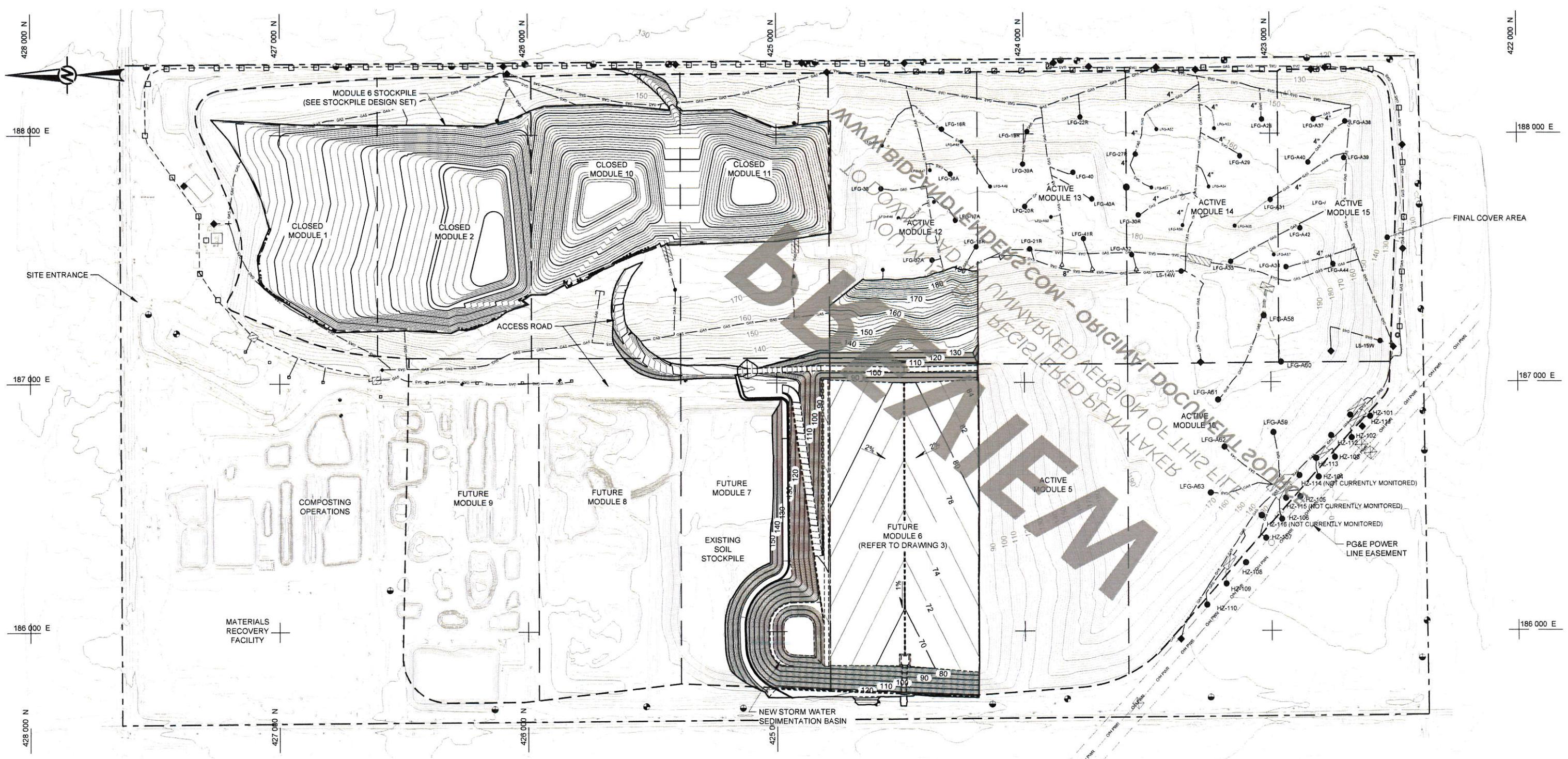
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|----------|----------|----------|----------|
| JDR | RGT | MAG | JGD |
| DESIGNED | PREPARED | REVIEWED | APPROVED |

PROJECT
WESTERN REGIONAL SANITARY LANDFILL
MODULE 6 LINER SYSTEM

TITLE SHEET

PROJECT NO.
GL21459149



| LEGEND | |
|--------|-----------------------------|
| LFG-A5 | LFG COLLECTION WELL |
| EW- | LFG COLLECTION WELL |
| GW-7W | LFG COLLECTION WELL |
| GM-14X | GAS PROBE |
| MW-11 | GROUNDWATER MONITORING WELL |
| LS-2 | LEACHATE COLLECTION SUMP |
| — | PG&E POWER LINE EASEMENT |
| — | LIMIT OF MODULE |
| — | LIMIT OF PROPERTY |
| — | LIMIT OF FINAL COVER |

NOTE(S)
1. TOPOGRAPHIC SURVEY PROVIDED BY WPWMA, DATED JUNE 2021.



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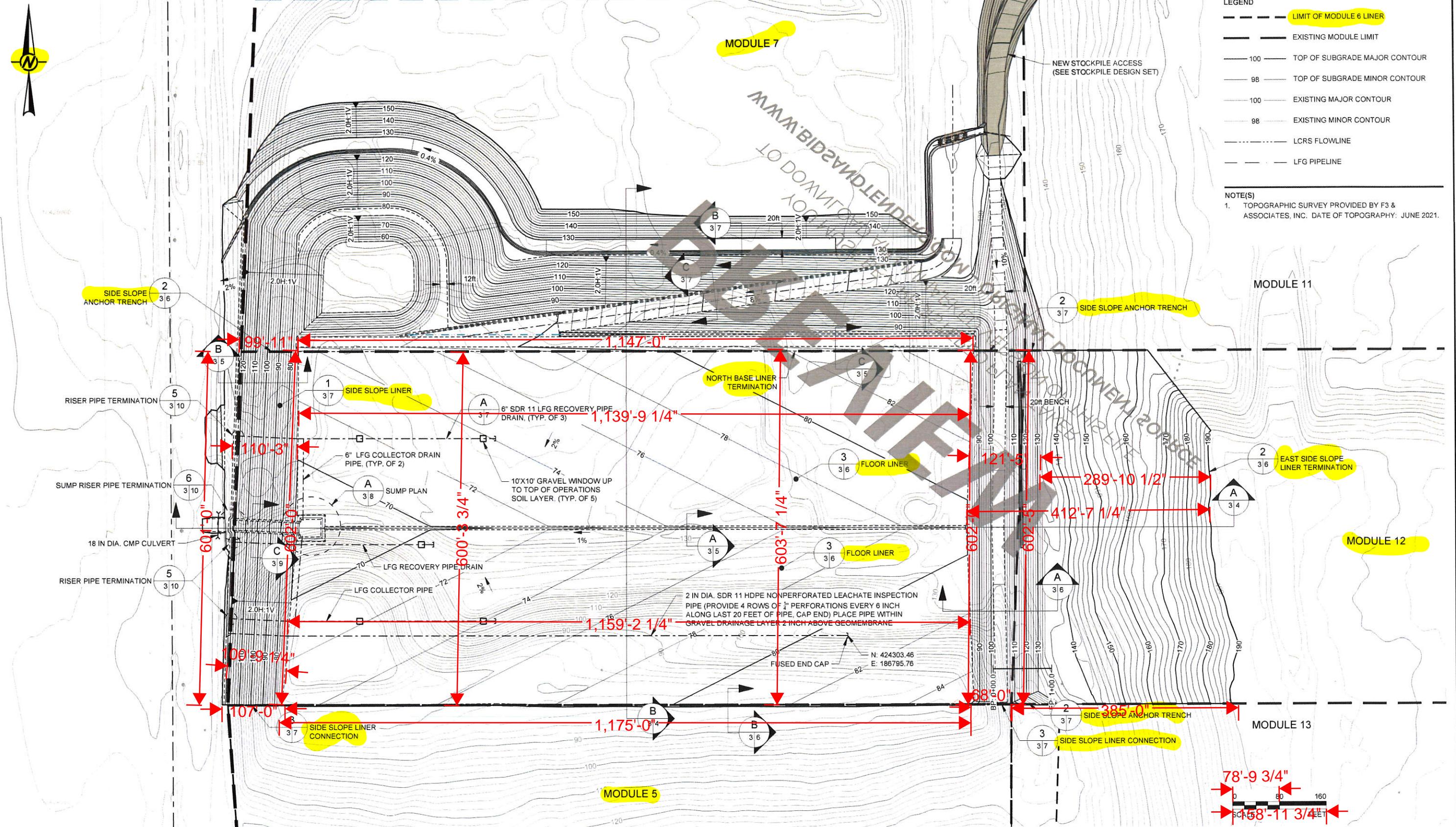
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PROJECT
WESTERN REGIONAL SANITARY LANDFILL
MODULE 6 LINER SYSTEM

TITLE
SITE PLAN

PROJECT NO.
GL21459149



3624' Extrude total
3552' wedge total
4000 UV sandbags
3 skids Black HD rod

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DESIGNED PREPARED REVIEWED APPROVED



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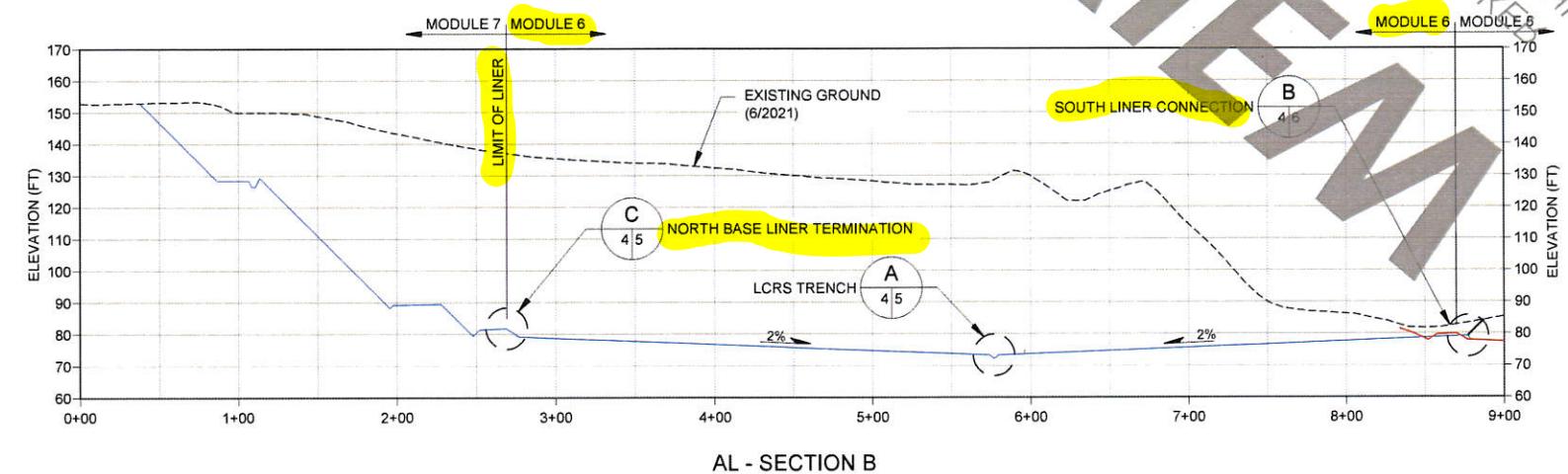
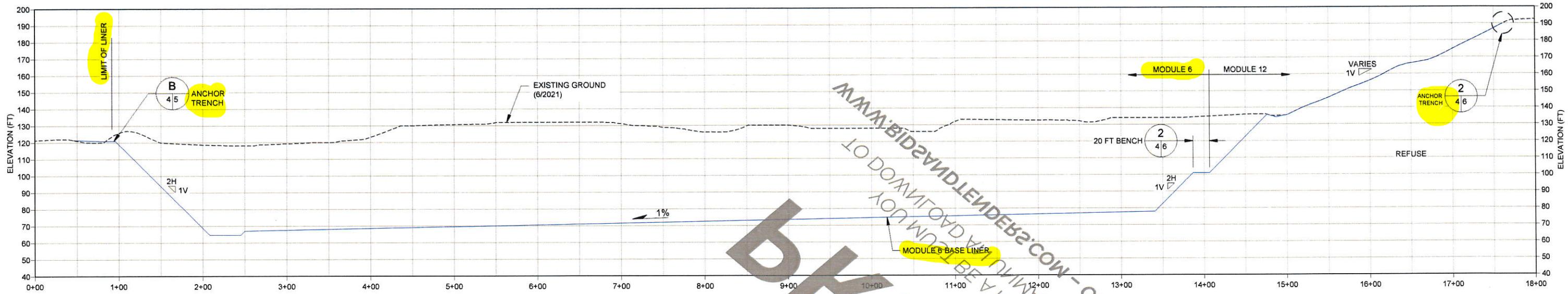
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PROJECT
WESTERN REGIONAL SANITARY LANDFILL
MODULE 6 LINER SYSTEM

TITLE
TOP OF SUBGRADE

PROJECT NO.
GL21459149

REV. 3 of 11 DRAWING
0 3



0 60 120
SCALE FEET

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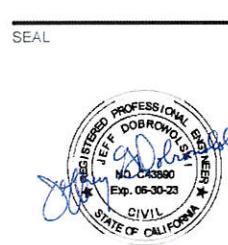
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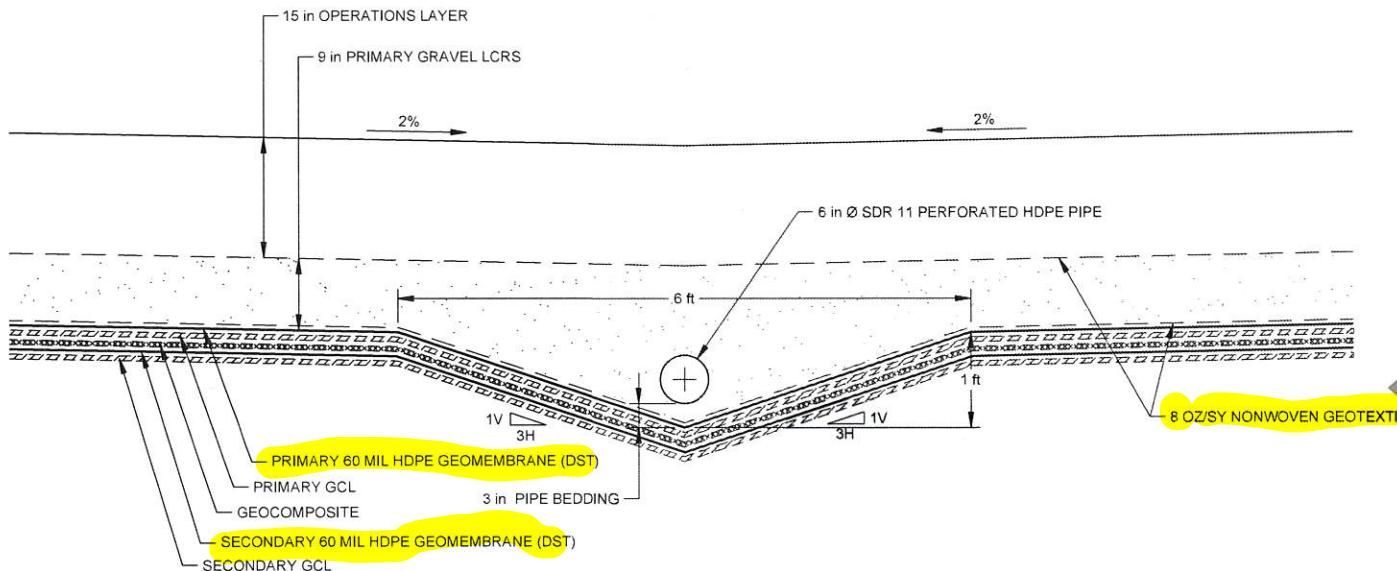
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PROJECT
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MODULE 6 LINER SYSTEM

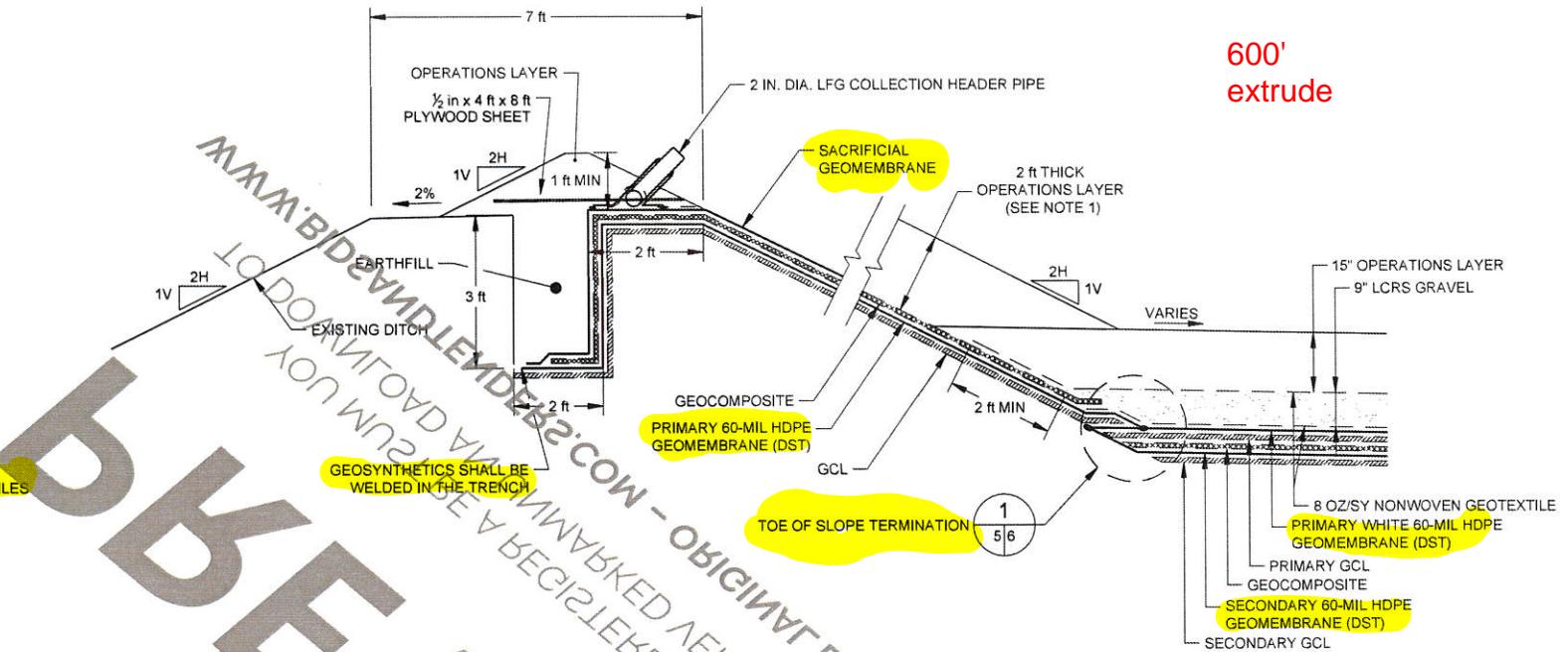
TITLE
SECTIONS

PROJECT NO.
GL21459149

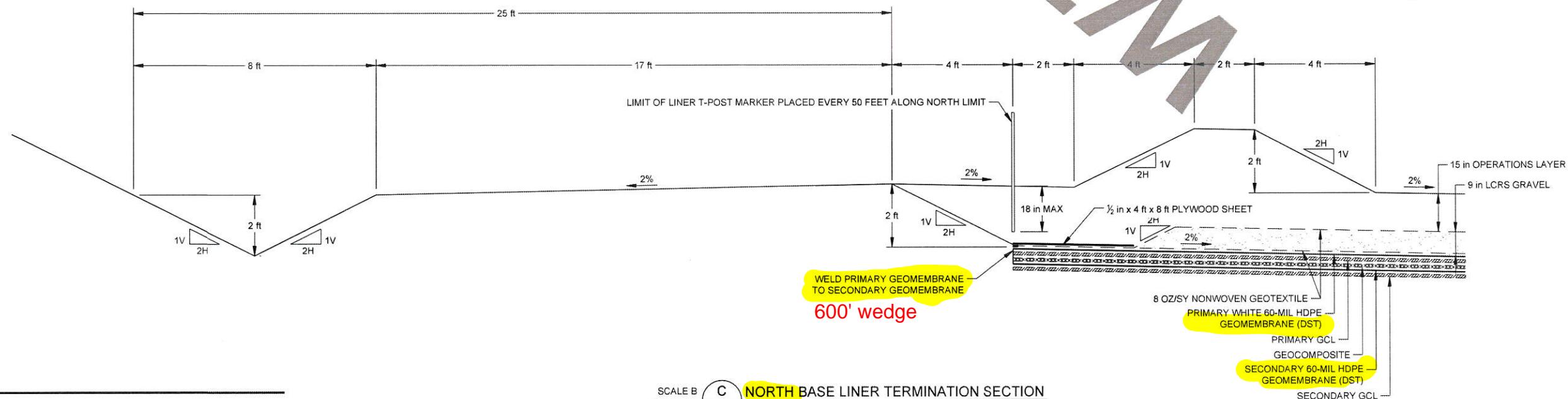
REV. 0 4 of 11 DRAWING 4



SCALE A
3.4.5
A LCRS TRENCH SECTION



600'
extrude



SCALE B
3.4.5
B WEST BASE LINER AND SIDE SLOPE LINER TERMINATION SECTION

- NOTE(S)**
1. CONTRACTOR TO PLACE FIRST 10 FEET OF SIDE SLOPE OPERATIONS LAYER SOIL ON SIDE SLOPES.
 2. PRIMARY GEOMEMBRANE TO HAVE A WHITE UPPER SURFACE.



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SEAL

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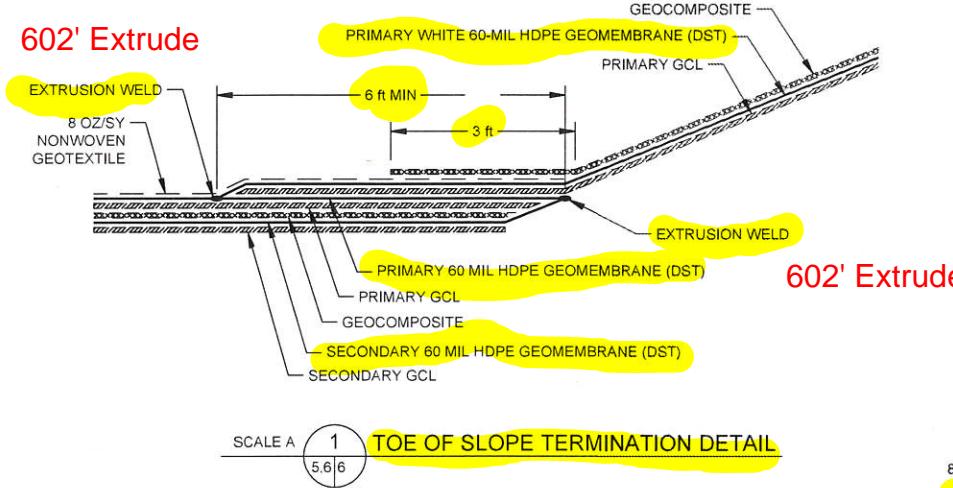
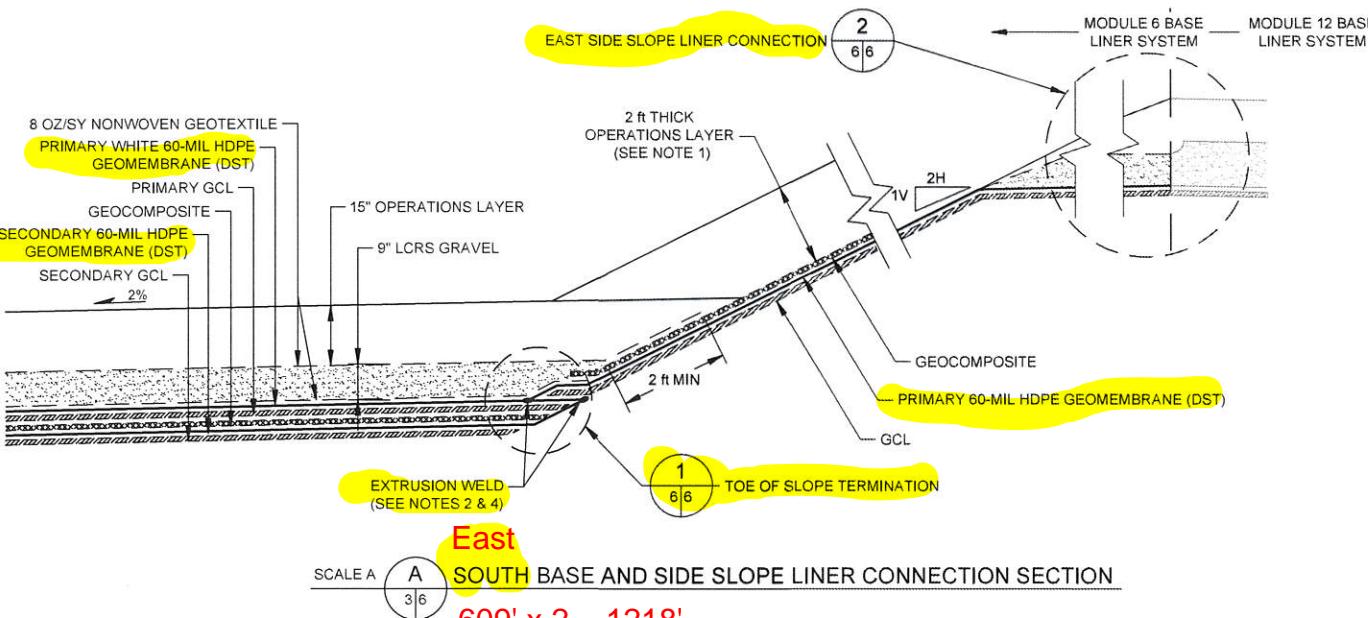
PROJECT
WESTERN REGIONAL SANITARY LANDFILL
MODULE 6 LINER SYSTEM

TITLE
MODULE 6 DETAILS

PROJECT NO.
GL21459149

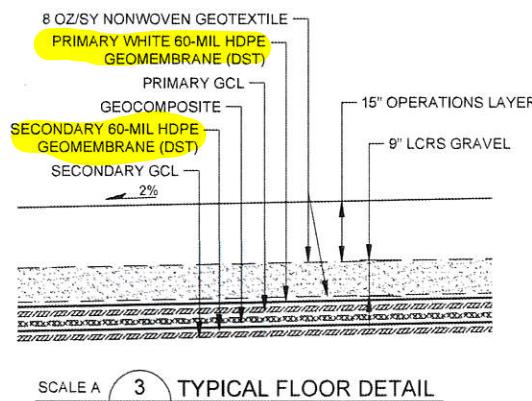
0 1 2
SCALE A FEET

0 2 4
SCALE B FEET



NOTE(S)

1. CONTRACTOR TO PLACE FIRST 10 VERTICAL FEET OF SIDE SLOPE OPERATIONS LAYER SOIL ABOVE BASE OPERATIONS LAYER ON SIDE SLOPES.
2. PRIMARY GEOMEMBRANE TO HAVE A WHITE UPPER SURFACE.
3. EXPOSE THE EXISTING MODULE 5 BASE LINER SYSTEM COMPONENTS A MINIMUM OF 6 FEET FROM THE LIMIT OF BASE LINER. REMOVE EXISTING 1/2" X 4' X 8' PLYWOOD SHEETS. CONNECT THE EXISTING MODULE 5 SECONDARY GCL, SECONDARY GEOMEMBRANE, GEOCOMPOSITE, PRIMARY GCL AND PRIMARY GEOMEMBRANE TO THE MODULE 6 BASE LINER SYSTEM.
4. WHILE EXPOSING THE MODULES EXISTING BASE LINERS, REFUSE MAY BE ENCOUNTERED. WHEN REFUSE IS ENCOUNTERED IT WILL BE EXCAVATED, WEIGHED AND DISPOSED OF AT THE ACTING WORKING FACE OF THE LANDFILL. EXPOSED REFUSE WILL BE COVERED DAILY WITH 1 FOOT OF CLEAN SOIL BY THE CONTRACTOR.



SCALE A 3 TYPICAL FLOOR DETAIL



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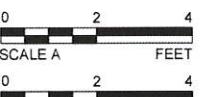
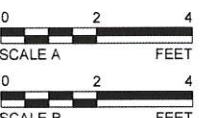
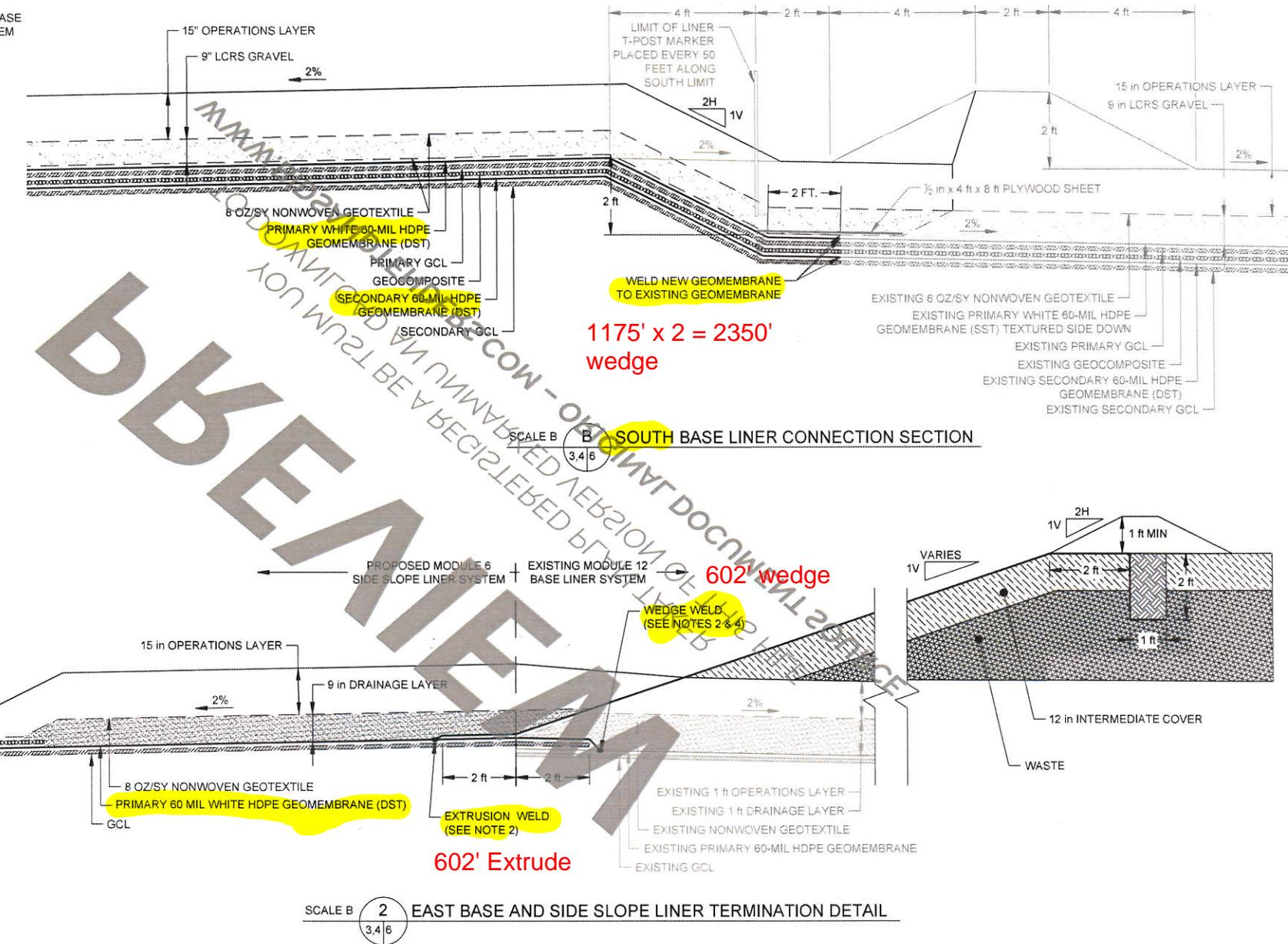
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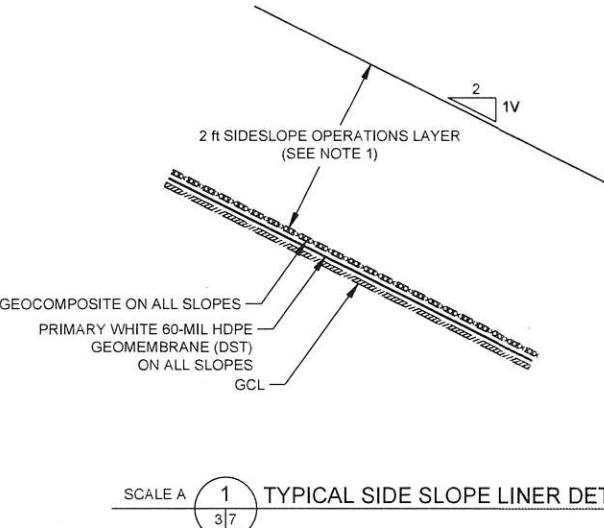
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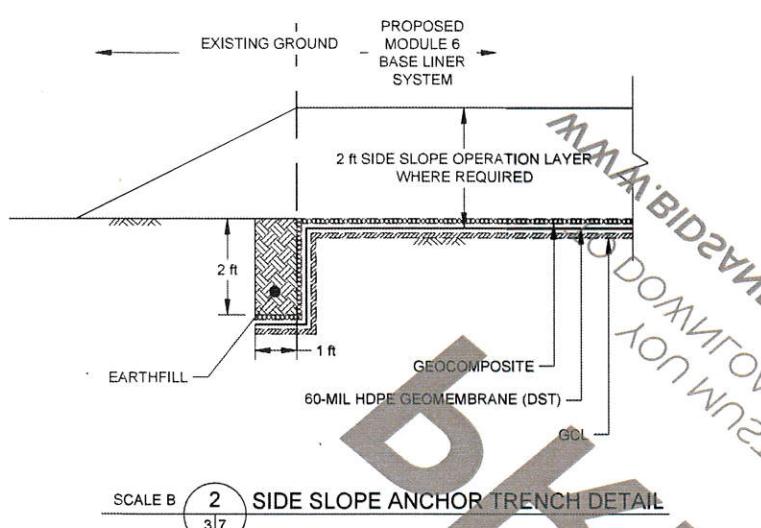
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MODULE 6 LINER SYSTEM

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MODULE 6 DETAILS

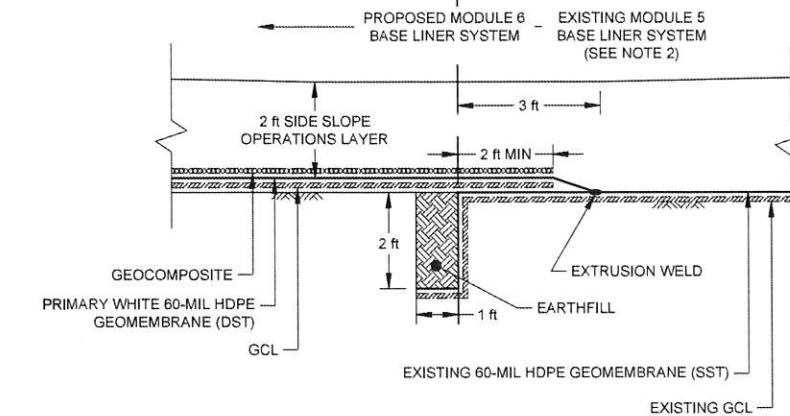




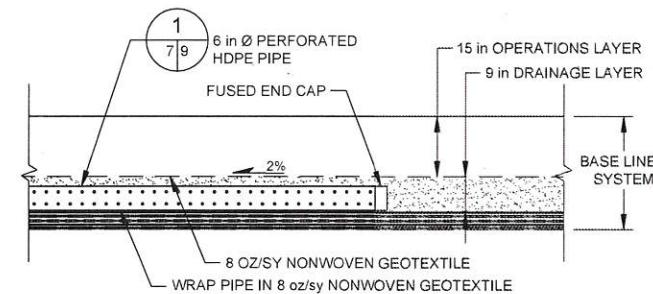
SCALE A 1 TYPICAL SIDE SLOPE LINER DETAIL
37



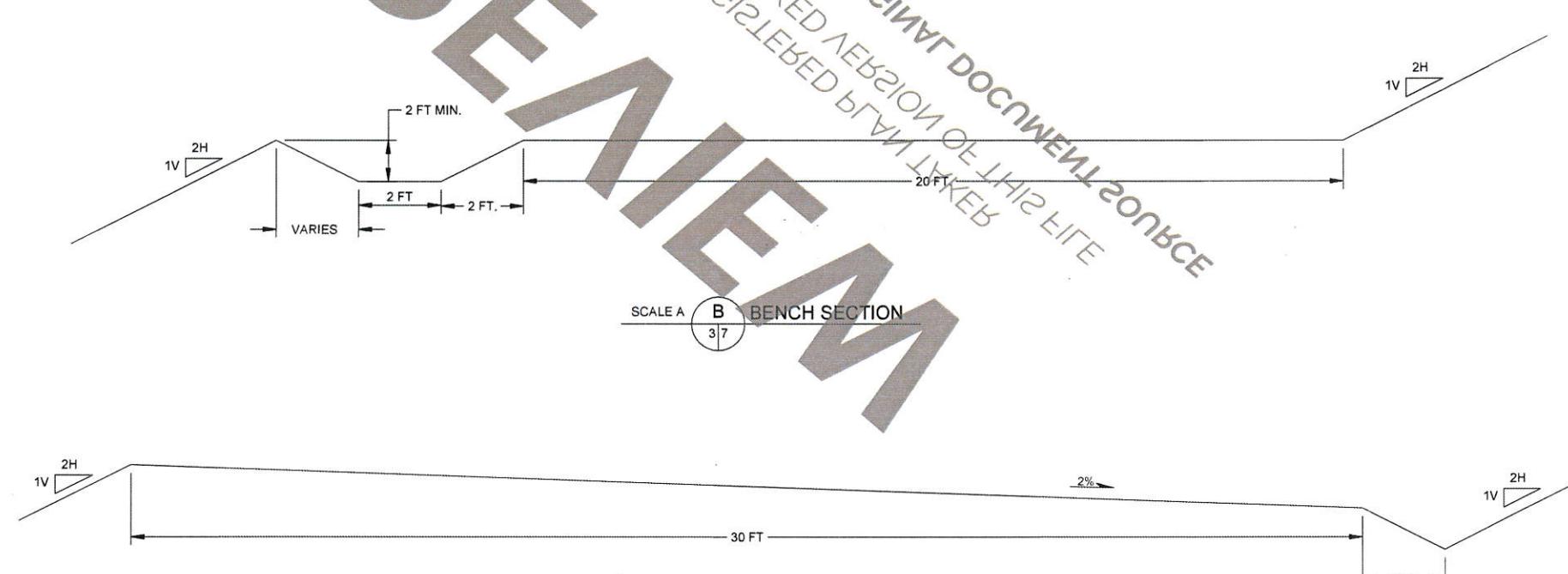
SCALE B 2 SIDE SLOPE ANCHOR TRENCH DETAIL
37



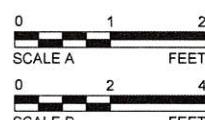
SCALE B 3 SIDE SLOPE LINER CONNECTION DETAIL
37



SCALE B A LFG RECOVERY PIPE DRAIN
37



SCALE A C ACCESS ROAD SECTION
37



NOTE(S)

1. PRIMARY GEOMEMBRANE TO HAVE A WHITE UPPER SURFACE.
2. EXPOSE THE EXISTING MODULE 5 BASE LINER SYSTEM COMPONENTS A MINIMUM OF 6 FEET FROM THE LIMIT OF BASE LINER, CONNECT THE EXISTING MODULE 5 GCL AND GEOMEMBRANE TO THE MODULE 6 SIDE SLOPE LINER COMPONENTS.
3. WHILE EXPOSING THE MODULE 5 EXISTING BASE LINER, REFUSE MAY BE ENCOUNTERED. WHEN REFUSE IS ENCOUNTERED IT WILL BE DISPOSED OF AT THE ACTIVE WORKING FACE OF THE LANDFILL BY THE CONTRACTOR. THE REFUSE WILL BE COVERED DAILY WITH 1 FOOT OF CLEAN SOIL BY THE CONTRACTOR.



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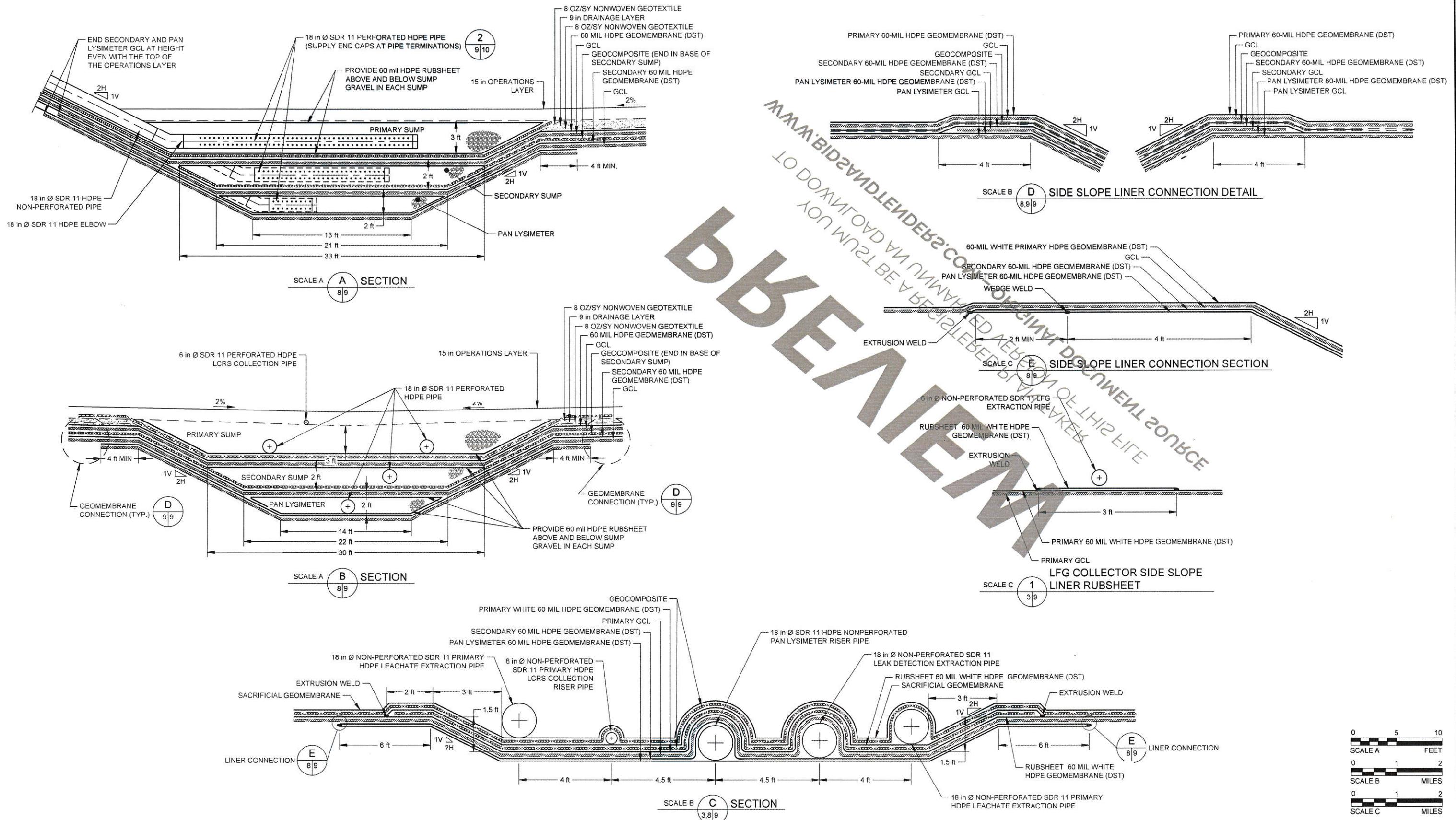
PROJECT
WESTERN REGIONAL SANITARY LANDFILL
MODULE 6 LINER SYSTEM

TITLE
MODULE 6 DETAILS

PROJECT NO.
GL21459149

REV. 7 of 11
0 DRAWING
7

Path: V:\dagger\der\gesample\order\Office\Sacramento\Acad\SeenWestern Regional LF\UH 3D\Med 61 | File Name: MOD 6 BASE - DETAILS.dwg | Last Edited By mgonzalez Date: 2022-12-14 Time: 10:58:42 AM | Printed By: McGonzalez Date: 2022-12-16 Time: 11:08 PM



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