



**SAN BERNARDINO COUNTY
SOLID WASTE MANAGEMENT DIVISION**
222 West Hospitality Lane, 2nd Floor
San Bernardino, CA 92415-0017
Fax: 909-386-8900

ADDENDUM NO. 3

**TO THE PLANS AND BID DOCUMENTS FOR THE
PHASE 1B STAGES 4 AND 5 LINER CONSTRUCTION PROJECT
at the VICTORVILLE SANITARY LANDFILL
in Victorville, California**

March 18, 2026

BID OPEN: 10:00 A.M. April 2, 2026

The following changes and/or additions shall be made to the Plans and Bid Documents for the Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill. All other requirements of the Plans and Bid Documents shall remain the same.

The following changes shall be made part of the Contract Documents, and the Bidder should acknowledge receipt thereof on the Bid Proposal.

I. GENERAL

1. Copies of the Pre-Bid Sign In Sheets (Office/Job Walk) have been added to this Addendum No. 3 as Attachment 1.
2. Summary of Changes has been added to this Addendum No. 3 as Attachment 2 to summarize the modifications/changes to the Plans and Bid Documents.

II. SPECIAL PROVISIONS

1. **BID SCHEDULE**, delete and replace in its entirety Bid Schedule Pages 22-1 thru 22-3 with the Bid Schedule Pages 22-1A thru 22-3A included in this Addendum No. 3 as Attachment 3. Bids must be submitted on these sheets or will be deemed non-responsive.
2. **STANDARD CONTRACT**, delete and replace in its entirety Standard Contract with the revised Standard Contract included in this Addendum No. 3 as Attachment 4.

3. Section 1 – General Terms and Conditions, delete and replace in its entirety with the revised Section 1 – General Terms and Conditions included in this Addendum No. 3 as Attachment 5. Modifications are also provided in track changes format.
4. Section 2J – Miscellaneous Civil and Drainage Improvements, Section 4 – Measurement and Payment, add Items 4.16, 4.17, 4.18, and 4.19 included in this Addendum No. 3 as Attachment 6.

III. PLANS

1. Delete and replace Plans Sheet G1, Sheet G3, Sheet G4, Sheet C4, and Sheet C13, with the revised Plans included in this Addendum No. 3 as Attachment 7.
2. Add the Landfill Gas Probe Modification Plan included in this Addendum No. 3 as Attachment 8 to the Plans and Bid Documents.

If you have any questions, please contact Joshua LeRoy at (909) 386-8629 or you may contact me at (909) 386-9017.



Johnny Gayman, P.E.
Engineering Manager

03/18/2026

Date

ATTACHMENT NO. 1

(Pre-Bid Sign-In Sheets for Office/Site Walk)



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



MANDATORY PRE-BID MEETING Sign-In Sheet

Project: Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill
 Meeting Date/Time: March 17, 2026; 10:00 a.m.
 Meeting Location: 222 W. Hospitality Ln, 2nd Floor, San Bernardino CA 92415

11. Name: Zuriel Olivas
 Phone Number: 909) 674-5615
 Company Name: James Mcminn Inc
 Address: 21574 cactus Ave Riverside CA 92508
 Email: Zuriel @ JmI6E.com

12. Name: Ivan TADEJA
 Phone Number: (442) 637-1608
 Company Name: Granite Construction
 Address: 33000 Monroe St. Indio, CA 92203
 Email: Ivan.Tadeja @ granite.com

13. Name: TOBY GUNNELL
 Phone Number: 714-904-2126
 Company Name: SURUT Construction LLC
 Address: 4010 W. Gardner, Santa Ana CA 92704
 Email: tgunnell@surut.com Estimating@surut.com

14. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____

15. Name: _____
 Phone Number: _____
 Company Name: _____
 Address: _____
 Email: _____



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



MANDATORY PRE-BID MEETING Sign-In Sheet

Project: Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill
 Meeting Date/Time: March 17, 2026; 10:00 a.m.
 Meeting Location: 222 W. Hospitality Ln, 2nd Floor, San Bernardino CA 92415

- Name: KEW WILLIAMS

Phone Number: 909-357-1800 EXT 121

Company Name: JK EXCAVATION & GRADING CO., INC

Address: 541 W. RIALTO AVE RIALTO CA 92376

Email: KWILLIAMS@JK-EXCAVATION.COM
- Name: JOSE RAZO

Phone Number: 760-685-8361

Company Name: GRANITE

Address: 3281 E. GUASTI, SUITE 550 ONTARIO, CA 91764

Email: JOSE.RAZO1@GCINC.COM
- Name: _____

Phone Number: _____

Company Name: _____

Address: _____

Email: _____
- Name: _____

Phone Number: _____

Company Name: _____

Address: _____

Email: _____
- Name: _____

Phone Number: _____

Company Name: _____

Address: _____

Email: _____



Department of Public Works

- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation



MANDATORY PRE-BID MEETING Sign-In Sheet (Site Walk)

Project: Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill

Meeting Date/Time: March 17, 2026; 10:00 a.m.

Meeting Location: 18600 Stoddard Wells Rd, Victorville, CA 92395 (Victorville Sanitary Landfill)

- Name: Zuriel Oliveros

Phone Number: 909) 674-5615

Company Name: James Mcminn Inc

Address: 21634 cactus Ave Riverside CA

Email: Zuriel@jmiqe.com
- Name: KEN WILLIAMS

Phone Number: 909-357-1800 EXT 121

Company Name: JK EXCAVATION & GRADING W. INC

Address: 541 W. RIALTO AVE RIALTO CA 92376

Email: KWILLIAMS@JKEXCAVATION.COM
- Name: IVAN TADEJA

Phone Number: (442) 637-1602

Company Name: Granite Construction

Address: 38000 Monroe St. Indio, CA 92203

Email: Ivan.Tadeja@gcinc.com
- Name: JOSE O. RARO

Phone Number: 760-685-8361

Company Name: GRANITE CONSTRUCTION

Address: 38000 MONROE ST. INIDIO, CA, 92203

Email: JOSE.RARO1@GCINC.COM
- Name: TODD GUNNELL

Phone Number: 714-904-2126

Company Name: SUKUT CONSTRUCTION

Address: tgunnell@sukut.com

Email: estimating@sukut.com

ATTACHMENT NO. 2
(Summary of Changes)

Victorville Sanitary Landfill
Phase 1B Stage 4&5 Composite Liner Construction Project
Addendum #3 – Attachment Summary of Changes

BID SCHEDULE

- Modify quantity of Bid Item 9 to 787,500 CY
- Modify quantity of Bid Item 10 to 335,000 CY
- Add new Bid Item 66 Diversion Berm and Base Liner Flap (Per Detail 2/C13) with quantity of 525 LF
- Add new Bid Item 67 Temporary Diversion Berm and Geomembrane Flap (Per Detail 3/C13) with quantity of 780 LF
- Add new Bid Item 68 Abandon Existing Gas Probe (Per Detail 1/5) (Deletable) with quantity of 3 EA
- Add new Bid Item 69 Install New Perimeter Gas Probe (Per Detail 1/4) (Deletable) with quantity of 1,900 VF

1) CONSTRUCTION DRAWINGS

- Reissue Sheet G1
- Reissue Sheet G3
- Reissue Sheet G4
- Reissue Sheet C4
- Reissue Sheet C13
- Issue New Landfill Gas Modification Plan Sheets
 - Drawing 1 Title Sheet
 - Drawing 2 Existing Probe Network
 - Drawing 3 Proposed Probe Network
 - Drawing 4 Details
 - Drawing 5 Details

2) TECHNICAL SPECIFICATIONS

DELETE AND REPLACE FULL SECTION 1 GENERAL PROVISIONS

Modifications to Technical Specifications: reissued Section 1 General Provisions provided in Track Changes Format and provided as an attachment to Addendum No. 3.

MODIFY SECTION 2J MISCELLANEOUS CIVILAS FOLLOWS

Modifications to Technical Specifications: add new Items 4.16, 4.17, 4.18, and 4.19 to Section 4 Measurement and Payment provided as an attachment to Addendum No. 3.

ATTACHMENT NO. 3

(Bid Schedule)

**VICTORVILLE SANITARY LANDFILL
PHASE 1B STAGES 4 AND 5 LINER CONSTRUCTION PROJECT**

Const Note	Item No.	Description	QTY	Unit	Unit Price	Item Total
PHASE 1B STAGE 4 AND 5 SUPPORT BID ITEMS						
-	1	Mobilization / Demobilization	1.0	LS		
-	2	Construction Support Tasks	1.0	LS		
-	3	Stormwater Compliance Tasks	1.0	LS		
-	4	Construction Survey	1.0	LS		
-	5	Waste Removal and Relocation	75,000	DLR	\$1.00	\$75,000.00
-	6	Geoelectric Leak Location Survey	1	LS		
PROJECT SUPPORT BID ITEMS SUBTOTAL:						
PHASE 1B STAGE 4 AND 5 CONSTRUCTION BID ITEMS						
Const Note	Item No.	Description	QTY	Unit	Unit Price	Item Total
2, 4	7	Clearing, Grubbing, and Demolition (29 acres)	1.0	LS		
-	8	Miscellaneous Site Work	1.0	LS		
5	9	Unclassified Excavation/Transport to Stockpile 1 - Liner Cell Area	787,500	CY		
5	10	Unclassified Excavation/Transport to Stockpile 2 - Liner Cell Area	335,000	CY		
5	11	Unclassified Excavation/Transport to Stockpile 2 - Entrance Road Area	2,000	CY		
5	12	Blasting	675,000	CY		
5	13	Unclassified Excavation to Fill - Liner Cell Area	105,000	CY		
5	14	Screening	82,000	CY		
5	15	Daily Cover to Active Landfill Area	70,000	CY		
9, 11, 13	16	Compacted/Screened 1-inch Minus Material on Floor	665,000	SF		
9	17	Veneer Fill Placement - Slopes	550,000	SF		
9	18	Subgrade Surface Preparation for Geosynthetics - Slope, Bench, and Access Roads	615,000	SF		
14	19	Lysimeter Liner Section (Per Detail 3/C15)	12,500	SF		
14	20	60-mil HDPE Encapsulation Geomembrane (Textured Both Sides) - Base	650,000	SF		
14	21	Geosynthetic Clay Liner (GCL) - Base	650,000	SF		
14	22	60-mil HDPE Geomembrane (Textured Both Sides) - Base	650,000	SF		
14	23	Geotextile Fabric 12 oz/sy - Base	650,000	SF		
14	24	LCRS Drainage Layer - Gravel	670,000	SF		
14	25	Geotextile Fabric 8 oz/sy - Base	650,000	SF		

**VICTORVILLE SANITARY LANDFILL
PHASE 1B STAGES 4 AND 5 LINER CONSTRUCTION PROJECT**

Const Note	Item No.	Description	QTY	Unit	Unit Price	Item Total
14	26	Protective Soil Cover - Base	650,000	SF		
29	27	Wrapped Gravel Infiltration Corridor (Per Detail 4/C16)	225	LF		
15, 20	28	60-mil HDPE Encapsulation Geomembrane (Textured Both Sides) - Slope, Bench, and Access Roads	700,000	SF		
15, 20	29	Geosynthetic Clay Liner (GCL) - Slope, Bench, and Access Roads	700,000	SF		
15, 20	30	60-mil HDPE Geomembrane (Textured Both Sides) - Slope, Bench, and Access Roads	700,000	SF		
15, 20	31	Geotextile Fabric 16 oz/sy - Slope, Bench, and Access Roads	700,000	SF		
31	32	Drainage Geocomposite - Northwesterly Construction Bench (Per Detail 5/C15)	13,000	SF		
16	33	Base to Slope Liner Transition	3,800	LF		
21, 22	34	Westerly Bench Liner Join (Per Detail 3/C17)	5,000	LF		
23	35	Intermediate Bench/Road Anchor Trench (Per Detail 3/C17)	1,750	LF		
34	36	Slope Liner Join (Per Detail 4/C17)	290	LF		
33	37	Base Liner Join - 1B Stage 3 to 1B Stages 4/5 (Per Detail 9/C16)	20	LF		
24	38	Protective Plastic Cover and HDPE Geotextile Ballast (Per Detail 2/C15)	530,000	SF		
6, 15, 20	39	Protective Soil Cover - Slope, Bench, and Cell Access Road	170,000	SF		
32, 38	40	Protective Soil Cover - Easterly Access Road (Per Detail 1/C17)	90,000	SF		
6	41	Protective Soil Cover - Gap Fill Area	4,000	CY		
7	42	Native Unclassified Fill Above PSC - Westerly Bench and Gap Fill Area	13,250	CY		
17	43	Liner Cell Access Road with Geotextile Underlay (Per Detail 7/C15)	20,000	SF		
18	44	Road Edge K-Rail Concrete Barrier	195	LF		
19	45	LCRS Header Pipe (Per Details 3/C15 and 7/C16)	2,100	LF		
25	46	LCRS Lateral Pipe (Per Detail 8/C16)	4,100	LF		
26	47	LCRS Pipe Junctions (Per Detail 1/C16)	12	EA		
27	48	6" Solid HDPE LCRS Riser Pipe (Per Detail 2/C16)	1,950	LF		
28	49	6" Slotted HDPE LCRS Access Road Collector (Per Detail 7/C15)	400	LF		
53	50	LCRS Test Port Riser (Per Detail 10/C16)	315	LF		
30	51	LCRS/LFG Bench Crossing (Per Detail 6/C15)	4	EA		
35, 51	52	LCRS/LFG Riser Termination Support (Per Detail 6/C16)	22	EA		
43, 54	53	Easterly and Southeasterly Perimeter Access Road Pavement Section (Per Details 1/C17 and 5/C17)	90,500	SF		
44	54	Northerly Perimeter Access Road Pavement Section (Per Detail 6/C17)	12,000	SF		

**VICTORVILLE SANITARY LANDFILL
PHASE 1B STAGES 4 AND 5 LINER CONSTRUCTION PROJECT**

Const Note	Item No.	Description	QTY	Unit	Unit Price	Item Total
51	55	Class I Flexible Post Delineator (Per Caltrans Std. Plan A73C)	100	EA		
46	56	AC Dike (Per San Bernardino County Std. Plan 117)	2,750	LF		
47	57	AC Speed Bump (Per Detail 1/C13)	100	LF		
48	58	Roadside Inlet Structure (Per Detail 4/C18)	1.0	LS		
36, 52	59	24" CHDPE Below Grade Storm Drain	40	LF		
35	60	60" Diameter CHDPE Below Grade Storm Drain - Line A (Per Detail 1/C18)	440	LF		
38	61	Line A Inlet Structure (Per Detail 1/C12)	1.0	LS		
39	62	Line A Outlet Structure (Per Detail 2/C12)	1.0	LS		
40	63	Class III Rip Rap per SSPWC Sec. 200-1.6	6,000	SF		
41	64	Class V Rip Rap per SSPWC Sec. 200-1.6	3,550	SF		
EC1, EC2	65	Erosion Control / Final Stabilization	1.0	LS		
55	66	Diversion Berm and Geomembrane Flap (Per Detail 3/C13)	525	LF		
56	67	Temporary Diversion Berm and Geomembrane Flap (Per Detail 2/C13)	780	LF		
-	68	Abandon Existing Gas Probe (Per Detail 1/5) (Deletable)	3	EA		
-	69	Install New Perimeter Gas Probe (Per Detail 1/4) (Deletable)	1900	VF		

CONSTRUCTION BID ITEMS SUBTOTAL:

PROJECT SUPPORT BID ITEMS (1-6) SUBTOTAL:

CONSTRUCTION BID ITEMS (7-69) SUBTOTAL:

TOTAL PROJECT BID (ITEMS 1-69) =

The project will be bid on a UNIT PRICE basis and quantities are to be VERIFIED by the Bidders. Actual quantities shall be measured for final payment, or as approved by the Engineer.

SWMD reserves the right to delete any specific item on the bid schedule in its entirety. Should SWMD elect not to proceed with a specified item of work, it will be deleted from the contract.

The Bid Schedule shown above does not constitute agreed-upon costs for the items described. The purpose of this cost breakdown is to provide SWMD with cost allocations for comparison and budgeting purposes only. Final cost allocations for each individual item for the project's schedule of values and progress payments will be established by the Construction Manager in negotiation with the Contractor.

THE AWARD OF THIS CONTRACT WILL BE BASED ON THE LOWEST RESPONSIBLE BID TOTAL.

ATTACHMENT NO. 4
(Standard Contract)

THE INFORMATION IN THIS BOX IS NOT A PART OF THE CONTRACT AND IS FOR COUNTY USE ONLY



Contract Number

SAP Number

Department of Public Works

Department Contract Representative Telephone Number Marc Rodabaugh, Deputy Director
(909) 386-8701

Contractor _____
Contractor Representative _____
Telephone Number _____
Contract Term _____
Original Contract Amount _____
Amendment Amount _____
Total Contract Amount _____
Cost Center _____

IT IS HEREBY AGREED AS FOLLOWS:

CONSTRUCTION AGREEMENT

This Construction Agreement (“Agreement” or “Contract”) is made effective this _____, 2026 (“Agreement Date”) by and between the San Bernardino County (“County”) and _____ (“Contractor”) for the construction of the Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill (“Project”).

ARTICLE I

CONTRACT DOCUMENTS AND INTERPRETATION

1.1 DEFINITIONS

The meanings of all capitalized terms used in the Contract Documents and not otherwise defined herein are contained in the General Conditions. If not defined in the General Conditions, they shall have the meaning assigned to them elsewhere in the Contract Documents. If not defined in the General Conditions or elsewhere,

they shall have the meanings reasonably understood to apply to them by the context of the portion of the Contract Documents where such terms are used.

1.2 CONTRACT DOCUMENTS

The “Contract Documents” except for modifications issued after execution of this Agreement, consist of the following documents, all of which are either attached hereto as exhibits or are incorporated herein by this reference:

- 1.2.1 Advertisement For Bids (Project No. PWG126-SOLID-6322), dated Month Date, Year.
- 1.2.2 Bidder’s Proposal, dated Month Date, Year.
- 1.2.3 General Conditions
- 1.2.4 Performance Bond
- 1.2.5 Labor and Material Bond
- 1.2.6 Special Conditions
- 1.2.7 Bid documents entitled “Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill”.
- 1.2.8 Specifications, entitled “Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill”.
- 1.2.9 Drawings, entitled “Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill”.
- 1.2.10 Addendum No. 1, dated Month Date, Year.
- 1.2.11 Addendum No. 2, dated Month Date, Year.
- 1.2.12 Certified copy of the record of action of the Board of Supervisors, on behalf of San Bernardino County.

1.3 ENTIRE AGREEMENT

The Contract Documents represent the entire and integrated agreement between County and Contractor, all other representations or statements, whether verbal or written, are merged herein. The Agreement may be amended only by written modification. The San Bernardino County Board of Supervisors, or its authorized designee, must approve any amendment to this Agreement.

ARTICLE II THE WORK

2.1 SCOPE OF WORK

2.1.1 Contractor will furnish all supervision, materials, labor, tools, equipment, apparatus, facilities, transportation, construction, landscaping, clean-up, incidentals, and all other construction services of any type necessary to complete all Work in strict conformity with the Contract Documents. Except concerning any material to be provided and/or installed by the County, the Contractor shall fully commission and turn over a completely

operational and fully functional Project to the County. Without limiting the generality of this Section, the Contractor shall provide the following Work and services:

a. Contractor shall provide, install and complete as specified and pay for all supervision, labor, materials and equipment, tools, supplies, construction equipment and machinery, construction, start-up and testing, utilities, transportation, incidentals, and other facilities and services (including any temporary materials, equipment, supplies and facilities) necessary for the proper execution and completion of the complete, operational, and fully functional Project, including the permanent interconnection for electricity, natural gas, water supply, and any other utilities and demonstration of fully satisfactory operation of all systems and equipment. The County will pay connection fees directly to the utilities for all permanent water and electrical connections.

b. Contractor shall supervise and direct the Work, and shall furnish the services of all supervisors, forepersons, skilled and unskilled labor, and all other personnel necessary to construct the complete, operational, and fully functional Project. Contractor shall provide, manage and organize such personnel as necessary to complete the Work in accordance with all requirements of the Contract Documents.

c. Contractor shall obtain, at Contractor's expense, all governmental and private approvals, permits and licenses, required to complete the Work; provided, however, County will be responsible for paying the cost of all County imposed fees necessary for the Project. Contractor shall construct a complete, operational, and fully functional Project in full compliance with all Applicable Laws, codes and standards (both public and private), including but not limited to, the standards included, and warranties expressed in the Contract Documents and manufacturer's recommendations pertaining to individual items of equipment or systems.

d. When transporting new bridge materials to the project site, the contractor must consider the site's unique limitations. These limitations entail restricted access and a specific weight limit that must be adhered to in transportation. As such, the contractor must ensure that the chosen transportation method and the materials' weight do not exceed the site's constraints. By doing so, the contractor can ensure a smooth and efficient delivery of the new bridge materials to the project site. Please refer to Section G – Bridge Info and Photos for future information on the site access.

2.2 STANDARD OF PERFORMANCE

In addition to and without limiting Contractor's other obligations under the Contract Documents, Contractor shall at all times in its performance of its obligations under the Contract Documents conform to the following general standards of performance:

2.2.1 Comply with the requirements of the Contract Documents;

2.2.2 Comply with Applicable Laws;

2.2.3 Conform to the standard of care applicable to those who provide construction of the type called for by this Agreement for projects of a scope and complexity that is comparable to the Project;

2.2.4 Furnish efficient business administration of the Work, utilizing senior level management and other qualified personnel to manage the Work; and

2.2.5 Apply its best and highest skill and attention to completing the Work in an expeditious and economical manner, consistent with the express best interests of the County and within the limitations of the Contract Sum and Contract Time.

ARTICLE III

TIME FOR PERFORMANCE

3.1 CONTRACT TIME

The Date of Commencement of the Work shall be fixed in a Notice to Proceed issued by the County. If County's issuance of a Notice to Proceed is delayed due to Contractor's failure to provide insurance documents or bonds within ten (10) calendar days after the date of award of the Contract by the Board of Supervisors or Chief Executive Officer, one (1) calendar day will be deducted from the number of days to achieve Final Completion of the Work for every day of delay in County's receipt of such documents. This right is in addition to and does not affect County's right to demand forfeiture of Contractor's Bid Security, or any other rights or remedies available to County if Contractor persistently delays in providing the required documentation. Contractor agrees to promptly commence the Work after the Notice to Proceed is issued by the County and to achieve Final Completion of the entire Work within **230 working days** after the Date of Commencement ("Contract Time"). The Contract Time may be extended only by the written authorization of the County. In addition, the Contractor shall complete the following Project Milestones within the following specified number of Working Days from the date of the NTP:

1. Complete Scope of Work of the "Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill" within **TWO HUNDRED AND THIRTY (230) Working Days** from NTP;
2. Gain Beneficial Occupancy in Sequence 1 of the "Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill" within **ONE HUNDRED AND SIXTY (160) Working Days** from NTP.
3. Gain Beneficial Occupancy in Sequence 2 of the "Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill" within **TWO HUNDRED AND THIRTY (230) Working Days** from NTP.

3.2 LIQUIDATED DAMAGES

3.2.1 County and Contractor recognize that time is of the essence in this Agreement and that the County may suffer financial loss, including but not limited to, the loss of grant funds, additional contract administration expenses, and loss of public use if the Work is not completed within the Contract Time, including any extensions thereof allowed in accordance with the Contract Documents.

3.2.2 Contractor and County agree to liquidated damages with respect to Contractor's failure to achieve Final Completion of the Work within the Contract Time. The Parties intend for the liquidated damages set forth herein to apply to this Contract as set forth in Government Code Section 53069.85. The contractor acknowledges and agrees that the liquidated damages are intended to compensate the County solely for the Contractor's failure to meet the deadline for Final Completion and shall not excuse the Contractor from liability for any other breach, including any failure of the Work to conform to the requirements of the Contract Documents.

3.2.3 If the Contractor fails to achieve Final Completion of the Work within the Contract Time, in accordance with Government Code Section 53069.85, Contractor agrees to forfeit and pay to County the sum of **Six Thousand Dollars (\$6,000)** per day for each working day that completion of the project is delayed beyond the specified 230 working days.

3.2.4 Contractor acknowledges and agrees that the foregoing liquidated damages have been set based on an evaluation by County of damages that it will incur in the event of the late completion of the Work. Contractor and County agree that because of the nature of the Project it would be impractical or extremely difficult to fix the amount of actual damages incurred by the County due to a delay in completion of the Work. Accordingly, the County and Contractor have agreed to such liquidated damages to fix Contractor's costs and to avoid later disputes. It is understood and agreed by Contractor that any liquidated damages payable pursuant to this Agreement are not a penalty and that such amounts are not manifestly unreasonable under the circumstances existing as of the effective date of this Agreement.

3.2.5 It is further mutually agreed that County shall have the right to deduct liquidated damages against progress payments or retainage and that the County will issue a unilateral Construction Change Directive and reduce the Contract Sum accordingly. In the event the remaining unpaid Contract Sum is insufficient to cover the full amount of liquidated damages, Contractor shall pay the difference to County.

ARTICLE IV CONTRACT SUM

4.1 CONTRACT SUM

4.1.1 Total Compensation. County shall pay the Contractor, and Contractor agrees to accept, in current funds for the Contractor's complete performance of the Work in accordance with the Contract Documents the Contract Sum of:

4.1.2 All Inclusive Price. The Contract Sum, subject to additions and deductions, is the total amount payable by County to Contractor for performance of the Work under the Contract Documents and is deemed to cover all costs arising out of or related to the performance of the Work, including, without limitation, the effects of natural elements upon the Work, unforeseen difficulties or obstructions affecting the performance of the Work (including, without limitation, unforeseen conditions at the Site that do not constitute Differing Site Conditions) and fluctuations in market conditions and price escalations (whether occurring locally, nationally or internationally) from any cause, including, without limitation, causes beyond the control or foreseeability of the Contractor.

4.2 RETENTION

Payment shall not be made more often than once each thirty (30) days, nor shall the amount paid be in excess of ninety-five percent (95%) of the Contract Sum at the time of Final Completion. Applications for Payment shall not be deemed properly completed unless certified payrolls and any other mandatory submittals have been properly completed and submitted for each week worked during the time period covered by said payment request. Final payment is to be made sixty (60) days subsequent to the filing of Notice of Completion. Contractor may, upon Contractor's written request, and approved by the Board of Supervisors, at Contractor's expense, deposit substitute securities, as stated in Government Code Section 16430, and as authorized by Public Contract Code 22300, in lieu of retention monies withheld to ensure performance.

4.3 PAYMENT BY ELECTRONIC FUND TRANSFER

Contractor shall accept all payments from County via electronic funds transfer (EFT) directly deposited into the Contractor's designated checking or other bank account. Contractor shall promptly comply with directions and accurately complete forms provided by County required to process EFT payments.

ARTICLE V

BONDS, INDEMNITY AND INSURANCE

5.1 BONDS

Contractor will furnish a Labor and Material Payment Bond in an amount equal to one hundred percent (100%) of the Contract Sum, and a Performance Bond in an amount equal to one hundred percent (100%) of the Contract Sum. The Bonds must comply with all requirements in the Contract Documents, be on County approved bond forms, and be secured from a surety company satisfactory to the County within ten (10) calendar days of the award of the Contract. The Bonds shall remain in full force and effect for a period of one (1) year following the date of filing of the Notice of Completion. The Performance Bond shall name the County as beneficiary under the bond.

5.2 INDEMNIFICATION

To the fullest extent possible permitted by law, Contractor assumes liability for and agrees, at the Contractor's sole cost and expense, to promptly and fully indemnify, defend (with counsel reasonably approved by the County (even if the allegations are false, fraudulent, or groundless), and hold harmless the County, the County and their authorized officers, employees, agents and volunteers (Indemnitees) from and against any and all claims (including claims against the County seeking compensation for labor performed or materials used or furnished

to be used in the work or alleged to have been furnished on the project, including all incidental or consequential damages resulting to the County from such claims), allegations, actions, suits, arbitrations, administrative proceedings, regulatory proceedings, or other legal proceedings, demands, losses, costs, damages, judgments, liens, stop notices, penalties, anticipated losses of revenue and/or liability, and expenses (including, but not limited to, any fees of accountants, attorneys, experts or other professionals, or investigation expenses) arising out of, resulting from, or in any way (either directly or indirectly) related to the contract, the work, the project or any breach of the Contract by Contractor (or any of its officers, agents, employees, subcontractors, or any person performing any of the work, or from any cause whatsoever, including the acts, errors or omissions of any person and for any costs or expenses incurred by the Indemnitees on account of any claim except where such indemnification is prohibited by law. This indemnification provision shall apply regardless of the existence or degree of fault of indemnitees. The Contractor's indemnification obligation applies to the Indemnitee's "passive" negligence but does not apply to the Indemnitee's "sole" or "active" negligence or "willful misconduct" within the meaning of Civil Code section 2782 provided such "active" negligence or "willful misconduct" is determined by agreement of the parties or by findings of a court. In instances where an Indemnitee's "active" negligence accounts for only a percentage of the liability for the claim involved, the obligation of the Contractor will be for that entire percentage of liability for the claim not attributable to the "active" negligence or "willful misconduct" of the Indemnitees. The County shall be consulted with regard to any proposed settlement.

The duty of the Contractor to indemnify and hold harmless the Indemnitees includes the separate and independent duty to defend the Indemnitees, which duty arises immediately upon receipt by Contractor of the tender of any claim from the County. The Contractor's obligation to defend the County shall be at Contractor's sole expense, and not be excused because of the Contractor's inability to evaluate liability or because the Contractor evaluates liability and determines that the Contractor is not liable. The duty to defend shall apply whether or not a claim has merit or is meritless, or which involves claims or allegations that any or all of the Indemnitees were actively, passively, or concurrently negligent, or which otherwise asserts that the Indemnitees are responsible, in whole or in part, for any claim. The Contractor shall respond within thirty (30) calendar days to the tender of any claim for defense and/or indemnity by the County, unless the County agree in writing to an extension of this time. The defense provided to the Indemnitees by Contractor shall be by well qualified, adequately insured, and experienced legal counsel acceptable to the County Counsel.

It is the intent of the parties to the Contract that the Contractor and its subcontractors of all tiers shall provide the Indemnitees with the broadest defense and indemnity permitted by law. In the event that any of the defense, indemnity, or hold harmless provisions are found to be ambiguous, or in conflict with one another, it is the parties' intent that the broadest and most expansive interpretation in favor of providing defense and/or indemnity to the Indemnitees be given effect.

Contractor shall ensure, by written subcontract agreement, that each of Contractor's subcontractors of every tier shall protect, defend, indemnify and hold harmless the Indemnitees with respect to all claims arising out, in connection with, or in any way related to each such subcontractor's work in the same manner in which Contractor is required to protect, defend, indemnify, and hold the Indemnitees harmless. In the event Contractor fails to obtain such defense and indemnity obligations from its subcontractors as required herein, Contractor agrees to be fully responsible to the Indemnitees according to the terms of this Section.

Contractor's indemnification and defense obligations set for in this Section are separate and independent from the insurance requirements and do not limit, in any way, the applicability, scope, or obligations set forth in such insurance requirements. The purchase of insurance by the Contractor with respect to the obligations required herein shall in no event be construed as fulfillment or discharge of such obligations.

Contractor's obligations under this Section are binding on Contractor's and its subcontractors' successors, heirs and assigns and shall survive the completion of the work or termination of the Contractor's performance of the work.

5.3 INSURANCE

The Contractor agrees to provide insurance set forth in accordance with the requirements herein. If the Contractor uses existing coverage to comply with these requirements and that coverage does not meet the specified requirements, the Contractor agrees to amend, supplement or endorse the existing coverage to do so.

Without in anyway affecting the indemnity herein provided and in addition thereto, the Contractor shall secure and maintain throughout the contract term the following types of insurance with limits as shown:

5.3.1 Basic Insurance Requirements

a. Additional Insured

All policies, except for the Workers' Compensation, Errors and Omissions and Professional Liability policies, shall contain endorsements naming the County, and their officers, employees, agents and volunteers as additional insureds with respect to liabilities arising out of the performance of services hereunder. The additional insured endorsements shall not limit the scope of coverage for the County to vicarious liability but shall allow coverage for the County to the full extent provided by the policy. Such additional insured coverage shall be at least as broad as Additional Insured (Form B) endorsement form ISO, CG 2010.11 85.

b. Waiver of Subrogation Rights

The Contractor shall require the carriers of required coverages to waive all rights of subrogation against the County, and their officers, employees, agents, volunteers, contractors and subcontractors. All general or auto liability insurance coverage provided shall not prohibit the Contractor and Contractor's employees or agents from waiving the right of subrogation prior to a loss or claim. The Contractor hereby waives all rights of subrogation against the County.

c. Policies Primary and Non-Contributory

All policies required herein are to be primary and non-contributory with any insurance or self-insurance programs carried or administered by the County.

d. Severability of Interests

The Contractor agrees to ensure that coverage provided to meet these requirements is applicable separately to each insured and there will be no cross liability exclusions that preclude coverage for suits between the Contractor and the County or between the County and any other insured or additional insured under the policy.

e. Proof of Coverage

The Contractor shall furnish Certificates of Insurance to the County Department administering the contract evidencing the insurance coverage at the time the contract is executed, additional endorsements, as required shall be provided prior to the commencement of performance of services hereunder, which certificates shall provide that such insurance shall not be terminated or expire without thirty (30) days written notice to the Department, and Contractor shall maintain such insurance from the time Contractor commences performance of services hereunder until the completion of such services. Within fifteen (15) days of the commencement of this contract, the Contractor shall furnish a copy of the Declaration page for all applicable policies and will provide complete certified copies of the policies and endorsements immediately upon request.

f. Acceptability of Insurance Carrier

Unless otherwise approved by Risk Management, the insurance shall be written by insurers authorized to do business in the State of California and with a minimum "Best" Insurance Guide rating of "A- VII."

g. Deductibles and Self-Insured Retention

Any and all deductibles or self-insured retentions in excess of \$10,000 shall be declared to and approved by Risk Management.

h. Failure to Procure Coverage

In the event that any policy of insurance required under this contract does not comply with the requirements, is not procured, or is canceled and not replaced, the County has the right but not the obligation or duty to cancel the contract or obtain insurance if it deems necessary and any premiums paid by the County will be promptly reimbursed by the Contractor or County payments to the Contractor will be reduced to pay for County purchased insurance.

i. Insurance Review

Insurance requirements are subject to periodic review by the County. The Director of Risk Management or designee is authorized, but not required, to reduce, waive or suspend any insurance requirements whenever Risk Management determines that any of the required insurance is not available, is unreasonably priced, or is not needed to protect the interests of the County. In addition, if the Department of Risk Management determines that heretofore unreasonably priced or unavailable types of insurance coverage or coverage limits become reasonably priced or available, the Director of Risk Management or designee is authorized, but not required, to change the above insurance requirements to require additional types of insurance coverage or higher coverage limits, provided that any such change is reasonable in light of past claims against the County, inflation, or any other item reasonably related to the County's risk.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this Contract. Contractor agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of the County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of the County.

5.3.2 Insurance Specifications

a. Workers' Compensation/Employers Liability

A program of Workers' Compensation insurance or a state-approved, self-insurance program in an amount and form to meet all applicable requirements of the Labor Code of the State of California, including Employer's Liability with \$250,000 limits covering all persons including volunteers providing services on behalf of the Contractor and all risks to such persons under this Contract.

If Contractor has no employees, it may certify or warrant to the County that it does not currently have any employees or individuals who are defined as "employees" under the Labor Code and the requirement for Workers' Compensation coverage will be waived by the County's Director of Risk Management.

With respect to Contractors that are non-profit corporations organized under California or Federal law, volunteers for such entities are required to be covered by Workers' Compensation insurance.

b. Commercial/General Liability Insurance

The Contractor shall carry General Liability Insurance covering all operations performed by or on behalf of the Contractor providing coverage for bodily injury and property damage with a combined single limit of not less than one million dollars (\$1,000,000), per occurrence. The policy coverage shall include:

- (a) Premises operations and mobile equipment.

- (b) Products and completed operations.
- (c) Broad form property damage (including completed operations).
- (d) Explosion, collapse and underground hazards.
- (e) Personal injury
- (f) Contractual liability.
- (g) \$2,000,000 general aggregate limit

c. Automobile Liability Insurance

Primary insurance coverage shall be written on ISO Business Auto coverage form for all owned, hired and non-owned automobiles or symbol 1 (any auto). The policy shall have a combined single limit of not less than one million dollars (\$1,000,000) for bodily injury and property damage, per occurrence.

If the Contractor is transporting one or more non-employee passengers in performance of contract services, the automobile liability policy shall have a combined single limit of two million dollars (\$2,000,000) for bodily injury and property damage per occurrence.

If the Contractor owns no autos, a non-owned auto endorsement to the General Liability policy described above is acceptable.

d. Continuing Products/Completed Operations Liability Insurance

The Contractor will provide continuing products/completed operations liability Insurance with a limit of not less than five million (\$5,000,000) for each occurrence for at least three years following substantial completion of the work on projects over one million (\$1,000,000).

e. Builder's Risk

Course of Construction/Installation (Builder's Risk) property insurance providing all risk, including theft coverage for all property and materials to be used on the project. The insurance policy shall not have any coinsurance penalty.

f. Umbrella Liability Insurance

An umbrella (over primary) or excess policy may be used to comply with limits or other primary coverage requirements. When used, the umbrella policy shall apply to bodily injury/property damage, personal injury/advertising injury and shall include a "dropdown" provision providing primary coverage for any liability not covered by the primary policy. The coverage shall also apply to automobile liability.

g. Subcontractor Insurance Requirements

The Contractor agrees to require all parties or subcontractors, including architects or others it hires or contracts with related to the performance of this contract to provide insurance covering the contracted operations with the basic requirements for all contracts in Sections 5.3.1 and the insurance specifications for all contracts in 5.3.2, (including waiver of subrogation rights) and naming the County as additional insureds. The Contractor agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided as required here.

ARTICLE VI

CONTRACTOR'S DUTIES AND RESPONSIBILITIES

6.1 GENERAL SCOPE OF WORK

6.1.1 Contractor shall provide all materials, labor, equipment, and undertake all efforts necessary or

appropriate to construct the Project in accordance with the requirements of the Contract Documents, all governmental approvals, all Applicable Law, and all other applicable safety, environmental and other requirements taking into account the constraints affecting the Project Site. Except as otherwise specifically provided in this Contract, all materials, services and efforts necessary to achieve Final Completion of the Project and elements thereof on or before the deadlines provided in the Contract Documents shall be Contractor's sole responsibility. The costs of all such materials, services and efforts are included in the Contract Sum.

6.1.2 The Contractor and all Subcontractors shall obtain any required licenses from the local jurisdiction where the Project is located (i.e. local City or County), prior to commencement of Work.

6.2 BEFORE STARTING WORK

Contractor shall submit the following to County for review and acceptance within fourteen (14) calendar days after the Date of Commencement fixed in County's Notice to Proceed, and as a condition to payment: (i) detailed Project Schedule including each deadline specified in the Contract Documents; (ii) Schedule of Submittals; (iii) material Procurement Schedule; and (iv) a Schedule of Values in accordance with the requirements of the General Conditions and other Contract Documents.

6.3 INITIAL CONFERENCE

Within ten (10) calendar days after the Date of Commencement fixed in the County's Notice to Proceed, a conference attended by County and Contractor and others as appropriate will be held to establish a working understanding among the Parties as to the Work and to discuss the schedules, progress meetings, procedures for handling submittals, processing Applications for Payment, maintaining required records, coordination with Contractor Team Members, and other Project administration matters.

6.4 EVALUATION OF PRELIMINARY SUBMITTALS

At least ten (10) calendar days before submission of the first Application for Payment, a conference attended by Contractor, County and others as appropriate, will be held to review for acceptability the submittals required by the Contract Documents. No progress payment shall be made to Contractor until the required submittals are acceptable to County. The detailed Project Schedule will be acceptable to County as providing an orderly progression of the Work to completion within any specified Milestones and the Contract Time, but such acceptance will neither impose on County responsibility for the sequencing, scheduling or progress of the Work nor interfere with nor relieve Contractor from Contractor's full responsibility therefore. The format and structure of the Project Schedule will be set forth in the Contract Documents and approved by County. The County's acceptance shall not be deemed to confirm that the schedule is a reasonable plan for performing the work. Contractor's schedule of submittal will be acceptable to County as providing a workable arrangement for reviewing and processing the required submittals.

6.5 CONSTRUCTION

Contractor shall perform Construction in accordance with the requirements of the Contract Documents.

6.5.1 Construction shall be performed by Contractor and Subcontractors and suppliers who are selected, paid and acting in accordance with the procedures outlined in the Contract Documents.

6.5.2 The Contractor shall keep the County informed of the progress and quality of the Work in the form of periodic written reports and meetings, as determined by the County, but no less than monthly.

6.5.3 As a condition of final payment to Contractor, Contractor shall provide written certification that the Work has been constructed in accordance with the Contract Documents.

ARTICLE VII

CONTRACTOR'S REPRESENTATIONS AND WARRANTIES

In order to induce the County to enter into this Agreement, Contractor makes the following representations and warranties:

7.1 Contractor has visited the Site and has reasonably examined the nature and extent of the Work, Site, locality, actual conditions, as-built conditions, and all federal, state and local laws and regulations that in any manner may affect cost, progress, performance or furnishing of Work or which relate to any aspect of the means, methods, techniques, sequences or procedures of construction to be employed by Contractor and safety precautions and programs incident thereto.

7.2 Contractor has reasonably examined all reports of exploration and tests of subsurface conditions, as- built drawings, drawings or reports available for construction purposes, of physical conditions, or conditions which may be apparent at the Site and accepts the criteria set forth in these documents and the Contract Documents to the extent of the information contained in these documents upon which the Contractor is entitled to rely. Contractor agrees that except for the information so identified, Contractor does not and shall not rely on any other information contained in these documents.

7.3 After Contract award, Contractor will conduct or obtain any additional examinations, investigations, explorations, tests, reports and studies, including but not limited to geotechnical investigations that pertain to the surface and subsurface conditions, as-built conditions, underground facilities and all other physical conditions at or contiguous to the Site as Contractor considers necessary for the performance or furnishing of Work at the Contract Sum, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents.

7.4 Contractor has correlated its knowledge and the results of all such observations, examinations, investigations, explorations, test, reports and studies with the terms and conditions of the Contract Documents.

7.5 Contractor has given County prompt written notice of all conflicts, errors, ambiguities, or discrepancies that it has discovered before Contract award in or among the Contract Documents and actual conditions and the written resolution thereof through Addenda issued by County is acceptable to Contractor.

7.6 Contractor is duly organized, existing and in good standing under applicable state law, and is duly qualified to conduct business in the State of California.

7.7 Contractor has duly authorized the execution, delivery and performance of this Agreement, the other Contract Documents and the Work to be performed herein. The Contract Documents do not violate or create a default under any instrument, agreement, order or decree binding on Contractor.

7.8 Contractor certifies that neither it nor its principals, or other key decision makers, or subcontractors is presently disbarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency. See the System for Award Management (www.sam.gov). Contractor agrees that signing this Contract shall constitute signature of this Certification.

7.9 During the term of the Contract, Contractor shall not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, sexual orientation, age, or military and veteran status. Contractor shall comply with Executive Orders 11246, 11375, 11625, 12138, 12432, 12250, 13672, Title VII of the Civil Rights Act of 1964, the California Fair Housing and Employment Act and other applicable Federal, State and County laws and regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted.

7.10 Contractor agrees to comply with the Americans with Disabilities Act of 1990, as amended (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability, as well as all applicable regulations and standards issued pursuant to the Americans with Disabilities Act. Contractor will also comply with the current edition of the California Building Code (California Code of Regulations, Title 24, Part 2).

7.11 Contractor agrees to comply and certify compliance with the Drug Free Workplace Act of 1990 per Government Code Section 8350 et seq.

7.12 Contractor acknowledges it will comply with the provisions of Public Contract Code section 4100-4114 regarding subcontractors. The Contractor hereby agrees to reimburse the County for costs incurred by the awarding authority in the substitution of subcontractors. Where a hearing is held pursuant to the provisions of Chapter 4 of the Public Contract Code (commencing with Section 4100) by the awarding authority or a duly appointed hearing officer, the County shall prepare and certify a statement of all costs incurred by the County for investigation and conduct of the hearing, including the costs of any hearing officer and shorthand reporter appointed. The statement shall then be sent to the Contractor who shall reimburse the County for such costs. If not paid separately, such reimbursement may be deducted from any money due and owing to the Contractor prior to acceptance of the Work. For the purposes of a hearing for the substitution of subcontractors (pursuant to the Public Contract Code commencing with Section 4100) the awarding authority shall be the Director of the San Bernardino County Department of Public Works - Special Districts, or his/her designee.

7.13 The Contractor hereby agrees to comply with the State Labor Code and certifies through signature of this Contract that, in accordance with Section 3700 of the State Labor Code, Contractor is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and will comply with such provisions before commencing the performance of the Work of this Contract.

7.14 The Contractor acknowledges that he will be held responsible for compliance with the provisions of Sections 1777.5 and 1776 of the State Labor Code.

7.15 Contractor shall comply with Senate Bill 854 (Chapter 28, Statutes of 2014) and Senate Bill 96 (Chapter 28, Statutes of 2017) including, but not limited to, the following requirements: (1) no contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5; (2) no contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5; (3) this Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations; (4) Contractor shall post job site notices regarding compliance monitoring and enforcement by the Department of Industrial Relations; and (5) Contractor must submit certified payroll at least monthly to the Labor Commissioner in a format prescribed by the Labor Commissioner.

7.16 As required by Labor Code section 1771.1(a) "A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded."

7.17 Contractor shall adhere to the County's Travel Management Policy (08-02 and 08-02SP) when travel is pursuant to this Contract and for which reimbursement is sought from the County. In addition, Contractor is encouraged to utilize local transportation services, including but not limited to, the Ontario International Airport.

ARTICLE VIII

PROJECT ACCESS, RECORD RETENTION AND AUDITS

8.1 At all times during construction of the Project, Contractor shall coordinate with the County to provide employees, subcontractors, and consultants of the County reasonable unrestricted access to observe, monitor and inspect the Project. The County's access to observe, monitor and inspect shall include the right to review all

documents and files relating to the Project, as well as construction on the Site, including all tests and inspections relating to construction of the Project.

8.2 Contractor expressly acknowledges it is aware of and will comply with all record retention and audit requirements contained in the Contract Documents. These requirements include, but are not limited to, the maintenance of an Official Project File that must be preserved a minimum of five (5) years, the protection of records from fire or other damage, the maintenance of all records in accordance with generally accepted accounting principles, and the agreement that the County or its designated representative shall have the right to Review, to audit, and to copy any records and supporting documentation pertaining to the performance of this Agreement.

ARTICLE IX MISCELLANEOUS PROVISIONS

9.1 INDEPENDENT CONTRACTOR

Contractor is, and shall be, acting at all times in the performance of this Agreement as an independent Contractor. Contractor shall secure at its expense, and be responsible for any and all payment of all taxes, social security, state disability insurance compensation, unemployment compensation and other payroll deductions for Contractor and its officers, agents and employees and all business licenses, if any, in connection with the services to be performed hereunder.

9.2 COUNTY EMPLOYEES AND OFFICIALS

Contractor shall employ no County official nor any regular County employee in the Work performed pursuant to this Agreement. No officer or employee of County shall have any financial interest in this Agreement in violation of applicable provisions of law.

Contractor agrees to provide or has already provided information on former San Bernardino County administrative officials (as defined below) who are employed by or represent Contractor. The information provided includes a list of former County administrative officials who terminated County employment within the last five years and who are now officers, principals, partners, associates or members of the business. The information also includes the employment with or representation of Contractor. For purposes of this provision, "County Administrative Official" is defined as a member of the Board of Supervisors or such officer staff, Chief Executive Officer or member of such officer staff, County department or group head, assistant department or group head, or any employee in the Exempt Group, Management Unit or Safety Management Unit.

9.3 INACCURACIES OR MISREPRESENTATIONS

If during the course of the administration of this agreement, the County determines that the Contractor has made a material misstatement or misrepresentation or that materially inaccurate information has been provided to the County, this contract may be immediately terminated. If this contract is terminated according to this provision, the County is entitled to pursue any available legal remedies.

9.4 COOPERATION BETWEEN ALL SYSTEM CONTRACT CONTRACTORS

This Contract is but one of the County contracts which are or will be necessary to keep, operate and maintain the County's Solid Waste Disposal System ("Disposal System"), including without limit for the overall expansion, operation, maintenance, remediation and closure of the Disposal System. Specifically, but not by way of limitation, the County has entered, or will enter, into the following contracts with third parties: (i) construction contracts related to various aspects of the expansion, remediation and closure of the Disposal System; (ii) contracts for the management of the foregoing construction contracts, to the extent the County does not manage such contracts with its own employees; (iii) a contract for the aggregate processing operation at the Mid-Valley Sanitary Landfill; (iv) contracts for the operation and maintenance of the landfill gas collection systems located at various County Landfills;

(v) the lease of the landfill gas collection systems and lease of the rights to the landfill gas collected by such systems; (vi) a contract for the operation of the Baker Transfer Station; (vii) a Development Contract with the City of Rialto regarding various aspects of the expansion of the Mid-Valley Sanitary Landfill; and (viii) a contract for performing day to day operations at the facilities comprising the Disposal System. These contracts, together with this Contract, will collectively be referred to as "All System Contracts".

In performing its duties under this Contract, Contractor shall be required, pursuant to direction provided by the Contract Administrator, to coordinate such performance with the performance of the duties required of the contractors under each of the other All System Contracts. Likewise, the contractors under each of the other All System Contracts will be required to coordinate the performance of the duties required of it under the terms of its contract with the performance of the duties required of the contractors under each of the other All System Contracts, including this Contract. The goal of the County is to maximize, in the aggregate, the effectiveness of performance of the duties required under all of the All System Contracts to keep, operate and maintain the Solid Waste Disposal System, rather than to maximize the effectiveness of performance of duties required to be performed under any single All System

9.5 IRAN CONTRACTING ACT OF 2010

(Public Contract Code sections 2200 et seq.)
(Applicable for all Contracts of one million dollars (\$1,000,000) or more)

In accordance with Public Contract Code section 2204(a), the Contractor certifies that at the time the Contract is signed, the Contractor signing the Contract is not identified on a list created pursuant to subdivision (b) of Public Contract Code section 2203 (<http://www.dgs.ca.gov/pd/Resources/PDLegislation.aspx>) as a person (as defined in Public Contract Code section 2202(e)) engaging in investment activities in Iran described in subdivision (a) of Public Contract Code section 2202.5, or as a person described in subdivision (b) of Public Contract Code section 2202.5, as applicable.

Contractors are cautioned that making a false certification may subject the Contractor to civil penalties, termination of existing contract, and ineligibility to bid on a contract for a period of three (3) years in accordance with Public Contract Code section 2205.

9.6 NOTICES

Any notices or special instructions required to be given in writing under this Agreement shall be given either by personal delivery to Contractor's agent (as designated by Contractor) or to County's Engineer and County Counsel as the situation shall warrant, or by enclosing the same in a sealed envelope, postage prepaid, and depositing the same in the United States Postal Service, addressed as follows:

SAN BERNARDINO COUNTY

CONTRACTOR

Department of Public Works –
Solid Waste Management Division

222 West Hospitality Lane, 2nd Floor

San Bernardino, CA 92415-0017

ARTICLE X

The contract is delivered by _____, Contractor, to County for acceptance by its Board of Supervisors at San Bernardino, California, and is deemed to have been entered into at San Bernardino, California.

ARTICLE XI

IN WITNESS WHEREOF, the Board of Supervisors of San Bernardino County has caused this Contract to be subscribed by its duly authorized officers, in its behalf, and the said party of the second part has signed this Contract.

SAN BERNARDINO COUNTY

►

 Dawn Rowe, Chair, Board of Supervisors

Dated: _____
 SIGNED AND CERTIFIED THAT A COPY OF THIS
 DOCUMENT HAS BEEN DELIVERED TO THE
 CHAIRMAN OF THE BOARD

Lynna Monell
 Clerk of the Board of Supervisors
 San Bernardino County

By _____
 Deputy

(Print or type name of corporation, company, contractor, etc.)

By ► _____
(Authorized signature - sign in blue ink)

Name _____
(Print or type name of person signing contract)

Title _____
(Print or Type)

Dated: _____

Address _____

FOR COUNTY USE ONLY

Approved as to Legal Form	Reviewed for Contract Compliance	Reviewed/Approved by Department
► _____ Aaron Gest, Deputy County Counsel	► _____ Andy Silao, P.E., Contract Compliance Officer	► _____ Noel Castillo, Director
Date _____	Date _____	Date _____

ATTACHMENT A

PREVAILING WAGE REQUIREMENTS

A. All or a portion of the Scope of Work in the Contract requires the payment of prevailing wages and compliance with the following requirements:

1. Determination of Prevailing Rates:

Pursuant to Labor Code sections 1770, et seq., the County has obtained from the Director of the Department of Industrial Relations (DIR) pursuant to the California Labor Code, the general prevailing rates of per diem wages and the prevailing rates for holiday and overtime work in the locality in which the Scope of Work is to be performed. Copies of said rates are on file with the County, will be made available for inspection during regular business hours, may be included elsewhere in the specifications for the Scope of Work, and are also available online at www.dir.ca.gov. The wage rate for any classification not listed, but which may be required to execute the Scope of Work, shall be commensurate and in accord with specified rates for similar or comparable classifications for those performing similar or comparable duties. In accordance with Labor Code section 1773.2, the Contractor shall post, at appropriate and conspicuous locations on the job site, a schedule showing all applicable prevailing wage rates and shall comply with the requirements of Labor Code sections 1773, et seq.

2. Payment of Prevailing Rates

Each worker of the Contractor, or any subcontractor, engaged in the Scope of Work, shall be paid not less than the general prevailing wage rate, regardless of any contractual relationship which may be alleged to exist between the Contractor or any subcontractor, and such worker.

3. Prevailing Rate Penalty

The Contractor shall, as a penalty, forfeit two hundred dollars (\$200.00) to the County for each calendar day or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of the DIR for such work or craft in which such worker is employed by the Contractor or by any subcontractor in connection with the Scope of Work. Pursuant to California Labor Code section 1775, the difference between such prevailing wage rates and the amount paid to each worker for each calendar day, or portion thereof, for which each worker was paid less than the prevailing wage rate, shall be paid to each worker by the Contractor.

4. Ineligible Contractors:

Pursuant to the provisions of Labor Code section 1777.1, the Labor Commissioner publishes and distributes a list of contractors ineligible to perform work as a contractor or subcontractor on a public works project. This list of debarred contractors is available from the DIR website at <http://www.dir.ca.gov/Public-Works/PublicWorks.html>. Any contract entered into between a contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract, and any public money that may have been paid to a debarred subcontractor by a contractor on the project shall be returned to the County. The Contractor shall be responsible for the payment of wages to workers as a debarred subcontractor who has been allowed to work on the Scope of Work.

5. Payroll Records:

a. Pursuant to California Labor Code section 1776, the Contractor and each subcontractor, shall keep accurate certified payroll records, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed by them in connection with the Scope of Work. The payroll records enumerated herein shall be verified by a written declaration made under penalty of perjury that the information contained in the payroll record is true and correct and that the Contractor or subcontractor has complied with the requirements of the California Labor Code sections 1771, 1811, and 1815 for any Scope of Work performed by his/her employees. The payroll records shall be available for inspection at all reasonable hours at the principal office of the Contractor on the following basis:

- i. A certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or his/her authorized representative on request;
 - ii. A certified copy of all payroll records shall be made available for inspection or furnished upon request to the County, the Division of Labor Standards Enforcement of the DIR;
 - iii. A certified copy of payroll records shall be made available upon request to the public for inspection or copies thereof made; provided, however, that a request by the public shall be made through either the County or the Division of Labor Standards Enforcement. If the requested payroll records have not been previously provided to the County or the Division of Labor Standards Enforcement, the requesting party shall, prior to being provided the records, reimburse the cost of preparation by the Contractor, subcontractor and the entity through which the request was made; the public shall not be given access to such records at the principal office of the Contractor;
 - iv. The Contractor shall file a certified copy of the payroll records with the entity that requested such records within ten (10) days after receipt of a written request; and
 - v. Copies provided to the public, by the County or the Division of Labor Standards Enforcement shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address and social security number. The name and address of the Contractor or any subcontractor, performing a part of the Scope of Work shall not be marked or obliterated. The Contractor shall inform the County of the location of payroll records, including the street address, city and county and shall, within five (5) working days, provide a notice of a change of location and address.
- b. The Contractor shall have ten (10) days from receipt of the written notice specifying in what respects the Contractor must comply with the above requirements. In the event Contractor does not comply with the requirements of this section within the ten (10) day period, the Contractor shall, as a penalty to the County, forfeit one-hundred dollars (\$100.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Labor Standards Enforcement, such penalty shall be withheld from any portion of the payments then due or to become due to the Contractor.

6. Limits on Hours of Work:

Pursuant to California Labor Code section 1810, eight (8) hours of labor shall constitute a legal day's work. Pursuant to California Labor Code section 1811, the time of service of any worker employed at any time by the Contractor or by a subcontractor, upon the Scope of Work or upon any part of the Scope of Work, is limited and restricted to eight (8) hours during any one calendar day and forty (40) hours during any one calendar week, except as provided for under Labor Code section 1815. Notwithstanding the foregoing provisions, work performed by employees of Contractor or any subcontractor, in excess of eight (8) hours per day and forty (40) hours during any one week, shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day at not less than one and one-half (1½) times the basic rate of pay.

7. Penalty for Excess Hours:

The Contractor shall pay to the County a penalty of twenty-five dollars (\$25.00) for each worker employed on the Scope of Work by the Contractor or any subcontractor, for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any calendar day and forty (40) hours in any one calendar week, in violation of the provisions of the California Labor Code, unless compensation to the worker so employed by the Contractor is not less than one and one-half (1½) times the basic rate of pay for all hours worked in excess of eight (8) hours per day.

8. Senate Bill 854 (Chapter 28, Statutes of 2014) and Senate Bill 96 (Chapter 28, Statutes of 2017) Requirements:

- a. Contractor shall comply with Senate Bill 854 and Senate Bill 96. The requirements include, but are not limited to, the following:
 - i. No contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5, with limited

exceptions from this requirements for bid purposes only as allowed under Labor Code section 1771.1(a).

- ii. No contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the DIR pursuant to Labor Code section 1725.5.
- iii. This project is subject to compliance monitoring and enforcement by the DIR.
- iv. As required by the DIR, Contractor is required to post job site notices, as prescribed by regulation, regarding compliance monitoring and enforcement by the DIR.
- v. Contractors and all subcontractors must submit certified payroll records online to the Labor Commissioner for all public works projects.
 - 1) The certified payroll must be submitted at least monthly to the Labor Commissioner.
 - 2) The County reserves the right to require Contractor and all subcontractors to submit certified payroll records more frequently than monthly to the Labor Commissioner.
 - 3) The certified payroll records must be in a format prescribed by the Labor Commissioner.
- vi. Registration with the DIR and the submission of certified payroll records to the Labor Commissioner are not required if the public works project is \$25,000 or less when the project is for construction, alteration, demolition, installation or repair work, or if the public works project is \$15,000 or less when the project is for maintenance work.

b. Labor Code section 1725.5 states the following:

“A contractor shall be registered pursuant to this section to be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any public work contract that is subject to the requirements of this chapter. For the purposes of this section, “contractor” includes a subcontractor as defined by Section 1722.1.

(a) To qualify for registration under this section, a contractor shall do all of the following:

(1) (A) Register with the Department of Industrial Relations in the manner prescribed by the department and pay an initial nonrefundable application fee of four hundred dollars (\$400) to qualify for registration under this section and an annual renewal fee on or before July 1 of each year thereafter. The annual renewal fee shall be in a uniform amount set by the Director of Industrial Relations, and the initial registration and renewal fees may be adjusted no more than annually by the director to support the costs specified in Section 1771.3.

(B) Beginning June 1, 2019, a contractor may register or renew according to this subdivision in annual increments up to three years from the date of registration. Contractors who wish to do so will be required to prepay the applicable nonrefundable application or renewal fees to qualify for the number of years for which they wish to preregister.

(2) Provide evidence, disclosures, or releases as are necessary to establish all of the following:

(A) Workers' compensation coverage that meets the requirements of Division 4 (commencing with Section 3200) and includes sufficient coverage for any worker whom the contractor employs to perform work that is subject to prevailing wage requirements other than a contractor who is separately registered under this section. Coverage may be evidenced by a current and valid certificate of workers' compensation insurance or certification of self-insurance required under Section 7125 of the Business and Professions Code.

(B) If applicable, the contractor is licensed in accordance with Chapter 9 (commencing with Section 7000) of the Business and Professions Code.

(C) The contractor does not have any delinquent liability to an employee or the state for any assessment of back wages or related damages, interest, fines, or penalties pursuant to any final

judgment, order, or determination by a court or any federal, state, or local administrative agency, including a confirmed arbitration award. However, for purposes of this paragraph, the contractor shall not be disqualified for any judgment, order, or determination that is under appeal, provided that the contractor has secured the payment of any amount eventually found due through a bond or other appropriate means.

(D) The contractor is not currently debarred under Section 1777.1 or under any other federal or state law providing for the debarment of contractors from public works.

(E) The contractor has not bid on a public works contract, been listed in a bid proposal, or engaged in the performance of a contract for public works without being lawfully registered in accordance with this section, within the preceding 12 months or since the effective date of the requirements set forth in subdivision (e), whichever is earlier. If a contractor is found to be in violation of the requirements of this paragraph, the period of disqualification shall be waived if both of the following are true:

(i) The contractor has not previously been found to be in violation of the requirements of this paragraph within the preceding 12 months.

(ii) The contractor pays an additional nonrefundable penalty registration fee of two thousand dollars (\$2,000).

(b) Fees received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(c) A contractor who fails to pay the renewal fee required under paragraph (1) of subdivision (a) on or before the expiration of any prior period of registration shall be prohibited from bidding on or engaging in the performance of any contract for public work until once again registered pursuant to this section. If the failure to pay the renewal fee was inadvertent, the contractor may renew its registration retroactively by paying an additional nonrefundable penalty renewal fee equal to the amount of the renewal fee within 90 days of the due date of the renewal fee.

(d) If, after a body awarding a contract accepts the contractor's bid or awards the contract, the work covered by the bid or contract is determined to be a public work to which Section 1771 applies, either as the result of a determination by the director pursuant to Section 1773.5 or a court decision, the requirements of this section shall not apply, subject to the following requirements:

(1) The body that awarded the contract failed, in the bid specification or in the contract documents, to identify as a public work that portion of the work that the determination or decision subsequently classifies as a public work.

(2) Within 20 days following service of notice on the awarding body of a determination by the Director of Industrial Relations pursuant to Section 1773.5 or a decision by a court that the contract was for public work as defined in this chapter, the contractor and any subcontractors are registered under this section or are replaced by a contractor or subcontractors who are registered under this section.

(3) The requirements of this section shall apply prospectively only to any subsequent bid, bid proposal, contract, or work performed after the awarding body is served with notice of the determination or decision referred to in paragraph (2).

(e) The requirements of this section shall apply to any bid proposal submitted on or after March 1, 2015, to any contract for public work, as defined in this chapter, executed on or after April 1, 2015, and to any work performed under a contract for public work on or after January 1, 2018, regardless of when the contract for public work was executed.

(f) This section does not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work."

c. Labor Code section 1771.1 states the following:

“(a) A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

(b) Notice of the requirement described in subdivision (a) shall be included in all bid invitations and public works contracts, and a bid shall not be accepted nor any contract or subcontract entered into without proof of the contractor or subcontractor's current registration to perform public work pursuant to Section 1725.5.

(c) An inadvertent error in listing a subcontractor who is not registered pursuant to Section 1725.5 in a bid proposal shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any of the following apply:

(1) The subcontractor is registered prior to the bid opening.

(2) Within 24 hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(3) The subcontractor is replaced by another registered subcontractor pursuant to Section 4107 of the Public Contract Code.

(d) Failure by a subcontractor to be registered to perform public work as required by subdivision (a) shall be grounds under Section 4107 of the Public Contract Code for the contractor, with the consent of the awarding authority, to substitute a subcontractor who is registered to perform public work pursuant to Section 1725.5 in place of the unregistered subcontractor.

(e) The department shall maintain on its Internet Web site a list of contractors who are currently registered to perform public work pursuant to Section 1725.5.

(f) A contract entered into with any contractor or subcontractor in violation of subdivision (a) shall be subject to cancellation, provided that a contract for public work shall not be unlawful, void, or voidable solely due to the failure of the awarding body, contractor, or any subcontractor to comply with the requirements of Section 1725.5 or this section.

(g) If the Labor Commissioner or his/her designee determines that a contractor or subcontractor engaged in the performance of any public work contract without having been registered in accordance with this section, the contractor or subcontractor shall forfeit, as a civil penalty to the state, one hundred dollars (\$100) for each day of work performed in violation of the registration requirement, not to exceed an aggregate penalty of eight thousand dollars (\$8,000) in addition to any penalty registration fee assessed pursuant to clause (ii) of subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(h)(1) In addition to, or in lieu of, any other penalty or sanction authorized pursuant to this chapter, a higher tiered public works contractor or subcontractor who is found to have entered into a subcontract with an unregistered lower tier subcontractor to perform any public work in violation of the requirements of Section 1725.5 or this section shall be subject to forfeiture, as a civil penalty to the state, of one hundred dollars (\$100) for each day the unregistered lower tier subcontractor performs work in violation of the registration requirement, not to exceed an aggregate penalty of ten thousand dollars (\$10,000).

(2) The Labor Commissioner shall use the same standards specified in subparagraph (A) of paragraph (2) of subdivision (a) of Section 1775 when determining the severity of the violation and what penalty to assess, and may waive the penalty for a first time violation that was unintentional and did not hinder the Labor Commissioner's ability to monitor and enforce compliance with the requirements of this chapter.

(3) A higher tiered public works contractor or subcontractor shall not be liable for penalties assessed pursuant to paragraph (1) if the lower tier subcontractor's performance is in violation of the requirements of Section 1725.5 due to the revocation of a previously approved registration.

(4) A subcontractor shall not be liable for any penalties assessed against a higher tiered public works contractor or subcontractor pursuant to paragraph (1). A higher tiered public works contractor or subcontractor may not require a lower tiered subcontractor to indemnify or otherwise be liable for any penalties pursuant to paragraph (1).

(i) The Labor Commissioner or his/her designee shall issue a civil wage and penalty assessment, in accordance with the provisions of Section 1741, upon determination of penalties pursuant to subdivision (g) and subparagraph (B) of paragraph (1) of subdivision (h). Review of a civil wage and penalty assessment issued under this subdivision may be requested in accordance with the provisions of Section 1742. The regulations of the Director of Industrial Relations, which govern proceedings for review of civil wage and penalty assessments and the withholding of contract payments under Article 1 (commencing with Section 1720) and Article 2 (commencing with Section 1770), shall apply.

(j)(1) Where a contractor or subcontractor engages in the performance of any public work contract without having been registered in violation of the requirements of Section 1725.5 or this section, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractor or the unregistered subcontractor on all public works until the unregistered contractor or unregistered subcontractor is registered. The stop order shall not apply to work by registered contractors or subcontractors on the public work.

(2) A stop order may be personally served upon the contractor or subcontractor by either of the following methods:

(A) Manual delivery of the order to the contractor or subcontractor personally.

(B) Leaving signed copies of the order with the person who is apparently in charge at the site of the public work and by thereafter mailing copies of the order by first class mail, postage prepaid to the contractor or subcontractor at one of the following:

(i) The address of the contractor or subcontractor on file with either the Secretary of State or the Contractors' State License Board.

(ii) If the contractor or subcontractor has no address on file with the Secretary of State or the Contractors' State License Board, the address of the site of the public work.

(3) The stop order shall be effective immediately upon service and shall be subject to appeal by the party contracting with the unregistered contractor or subcontractor, by the unregistered contractor or subcontractor, or both. The appeal, hearing, and any further review of the hearing decision shall be governed by the procedures, time limits, and other requirements specified in subdivision (a) of Section 238.1.

(4) Any employee of an unregistered contractor or subcontractor who is affected by a work stoppage ordered by the commissioner pursuant to this subdivision shall be paid at his/her regular hourly prevailing wage rate by that employer for any hours the employee would have worked but for the work stoppage, not to exceed 10 days.

(k) Failure of a contractor or subcontractor, owner, director, officer, or managing agent of the contractor or subcontractor to observe a stop order issued and served upon him or her pursuant to subdivision (j) is guilty of a misdemeanor punishable by imprisonment in county jail not exceeding 60 days or by a fine not exceeding ten thousand dollars (\$10,000), or both.

(l) This section shall apply to any bid proposal submitted on or after March 1, 2015, and any contract for public work entered into on or after April 1, 2015. This section shall also apply to the performance of any public work, as defined in this chapter, on or after January 1, 2018, regardless of when the contract for public work was entered.

(m) Penalties received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(n) This section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work."

d. Labor Code section 1771.4 states the following:

“a) All of the following are applicable to all public works projects that are otherwise subject to the requirements of this chapter:

(1) The call for bids and contract documents shall specify that the project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

(2) The awarding body shall post or require the prime contractor to post job site notices, as prescribed by regulation.

(3) Each contractor and subcontractor shall furnish the records specified in Section 1776 directly to the Labor Commissioner, in the following manner:

(A) At least monthly or more frequently if specified in the contract with the awarding body.

(B) In a format prescribed by the Labor Commissioner.

(4) If the contractor or subcontractor is not registered pursuant to Section 1725.5 and is performing work on a project for which registration is not required because of subdivision (f) of Section 1725.5, the unregistered contractor or subcontractor is not required to furnish the records specified in Section 1776 directly to the Labor Commissioner but shall retain the records specified in Section 1776 for at least three years after completion of the work.

(5) The department shall undertake those activities it deems necessary to monitor and enforce compliance with prevailing wage requirements.

(b) The Labor Commissioner may exempt a public works project from compliance with all or part of the requirements of subdivision (a) if either of the following occurs:

(1) The awarding body has enforced an approved labor compliance program, as defined in Section 1771.5, on all public works projects under its authority, except those deemed exempt pursuant to subdivision (a) of Section 1771.5, continuously since December 31, 2011.

(2) The awarding body has entered into a collective bargaining agreement that binds all contractors performing work on the project and that includes a mechanism for resolving disputes about the payment of wages.

(c) The requirements of paragraph (1) of subdivision (a) shall only apply to contracts for public works projects awarded on or after January 1, 2015.

(d) The requirements of paragraph (3) of subdivision (a) shall apply to all contracts for public work, whether new or ongoing, on or after January 1, 2016.”

B. STATE PUBLIC WORKS APPRENTICESHIP REQUIREMENTS

1. State Public Works Apprenticeship Requirements:

- a. The Contractor is responsible for compliance with Labor Code section 1777.5 and the California Code of Regulations, title 8, sections 230 – 230.2 for all apprenticeable occupations (denoted with “#” symbol next to craft name in DIR Prevailing Wage Determination), whether employed by the Contractor, subcontractor, vendor or consultant. Included in these requirements is (1) the Contractor’s requirement to provide notification (i.e. DAS-140) to the appropriate apprenticeship committees; (2) pay training fund contributions for each apprenticeable hour employed on the Contract; and (3) utilize apprentices in a minimum ratio of not less than one apprentice hour for each five journeyman hours by completion of Contract work (unless an exception is granted in accordance with Labor Code section 1777.5) or request for the dispatch of apprentices.
- b. Any apprentices employed to perform any of the Scope of Work shall be paid the standard wage to apprentices under the regulations of the craft or trade for which such apprentice is employed, and such individual shall be employed only for the work of the craft or trade to which such individual is registered. Only apprentices, as defined in California Labor Code section 3077, who are in training under apprenticeship standards and written apprenticeship agreements under California Labor Code sections 3070 et seq. are eligible to be employed for the Scope of Work.

The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and apprentice agreements under which such apprentice is training.

2. Compliance with [California Labor Code section 1777.5](#) requires all public works contractors to:

- a. Submit Contract Award Information (DAS-140):
 - i. Although there are a few exemptions (identified below), all Contractors, regardless of union affiliation, must submit contract award information when performing on a California public works project.
 - ii. The DAS-140 is a notification “announcement” of the Contractor’s participation on a public works project—*it is not a request for the dispatch of an apprentice*.
 - iii. Contractors shall submit the contract award information (you may use form DAS 140) within 10 days of the execution of the prime contract or subcontract, but in no event later than the first day in which the Contractor has workers employed on the public work.
 - iv. Contractors who are already approved to train apprentices (i.e. check “Box 1” on the DAS-140) shall only be required to submit the form to their approved program.
 - v. Contractors who are NOT approved to train apprentices (i.e. those that check either “Box 2” or “Box 3” on the DAS-140) shall submit the DAS-140 TO EACH of the apprenticeship program sponsors in the area of your public works project. For a listing of apprenticeship programs see <http://www.dir.ca.gov/Databases/das/pwaddrstart.asp>.
- b. Employ Registered Apprentices
 - i. Labor Code section 1777.5 requires that a contractor performing work in an “apprenticeable” craft must employ one (1) hour of apprentice work for every five (5) hours performed by a journeyman. This ratio shall be met prior to the Contractor’s completion of work on the project. “Apprenticeable” crafts are denoted with a pound symbol “#” in front of the craft name on the prevailing wage determination.
 - ii. All Contractors who do not fall within an exemption category (see below) must request for dispatch of an apprentice from an apprenticeship program (for each apprenticeable craft or trade) by giving the program actual notice of at least 72 hours (business days only) before the date on which apprentices are required.
 - iii. Contractors may use the “DAS-142” form for making a request for the dispatch of an apprentice.
 - iv. Contractors who are participating in an approved apprenticeship training program and who did not receive sufficient number of apprentices from their initial request must request dispatch of apprentices from ALL OTHER apprenticeship committees in the project area in order to fulfill this requirement.
 - v. Contractor should maintain and submit proof (when requested) of its DAS-142 submittal to the apprenticeship committees (e.g. fax transmittal confirmation). A Contractor has met its requirement to employ apprentices only after it has successfully made a dispatch request to all apprenticeship programs in the project area.
 - vi. Only “registered” apprentices may be paid the prevailing apprentice rates and must, at all times work under the supervision of a Journeyman (Cal. Code Regs., tit 8, § 230.1).
- c. Make Training Fund Contributions
 - i. Contractors performing in apprenticeable crafts on public works projects, must make training fund contributions in the amount established in the prevailing wage rate publication for journeymen and apprentices.
 - ii. Contractors may use the “CAC-2” form for submittal of their training fund contributions.
 - iii. Contractors who do not submit their training fund contributions to an approved apprenticeship training program must submit their contributions to the California Apprenticeship Council (CAC), PO Box 420603, San Francisco, CA 94142-0603.

- iv. Training fund contributions to the CAC are due and payable on the 15th day of the month for work performed during the preceding month.
- v. The “training” contribution amount identified on the prevailing wage determination shall not be paid to the worker, unless the worker falls within one of the exemption categories listed below.

3. Exemptions to Apprenticeship Requirements:

- a. The following are exempt from having to comply with California apprenticeship requirements. These types of contractors do not need to submit a DAS-140, DAS-142, make training fund contributions, or utilize apprentices:
 - i. When the Contractor holds a sole proprietor license (“Owner-Operator”) and no workers were employed by the Contractor. In other words, the contractor performed the entire work from start to finish and worked alone.
 - ii. Contractors performing in non-apprenticeable crafts. “Apprenticeable” crafts are denoted with a pound symbol “#” in front of the craft name on the prevailing wage determination.
 - iii. When the Contractor has a direct contract with the Public Agency that is under \$30,000.
 - iv. When the project is 100% federally-funded and the funding of the project does not contain any city, county, and/or state monies (unless the project is administered by a state agency in which case the apprenticeship requirements apply).
 - v. When the project is a private project not covered by the definition of public works as found in Labor Code section 1720.

4. Exemption from Apprenticeship Ratios:

- a. The Joint Apprenticeship Committee shall have the discretion to grant a certificate, which shall be subject to the approval of the Administrator of Apprenticeship, exempting the Contractor from the 1-to-5 ratio set forth in this Section when it finds that any one of the following conditions are met:
 - i. Unemployment for the previous three-month period in such area exceeds an average of fifteen percent (15%); or
 - ii. The number of apprentices in training in such area exceeds a ratio of 1-to-5 in relation to journeymen; or
 - iii. The Apprenticeable Craft or Trade is replacing at least one-thirtieth (1/30) of its journeymen annually through apprenticeship training, either on a statewide basis or on a local basis; or
 - iv. If assignment of an apprentice to any work performed under the Contract Documents would create a condition which would jeopardize such apprentice's life or the life, safety or property of fellow employees or the public at large, or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyman.
- b. When such exemptions from the 1-to-5 ratio between apprentices and journeymen are granted to an organization which represents contractors in a specific trade on a local or statewide basis, the member contractors will not be required to submit individual applications for approval to local Joint Apprenticeship Committees, provided they are already covered by the local apprenticeship standards.

5. Contractor’s Compliance:

- a. The responsibility of compliance with this Section for all Apprenticeable Trades or Crafts is solely and exclusively that of the Contractor. All decisions of the Joint Apprenticeship Committee(s) under this Section are subject to the provisions of California Labor Code section 3081 and penalties are pursuant to Labor Code section 1777.7 and the determination of the Labor Commissioner.

ATTACHMENT NO. 5

(Section 1 – General Terms and Conditions)

VICTORVILLE SANITARY LANDFILL PHASE 1B STAGES 4 AND 5 LINER CONSTRUCTION PROJECT

SECTION 1

GENERAL TERMS AND CONDITIONS

1.1 INTRODUCTION

The project is located at the Victorville Sanitary Landfill. The Contractor shall become thoroughly familiar with the reference Technical Specifications and permit requirements listed under Section 1.4, as well as the Health and Safety Provisions in Appendix C of these Technical Specifications for precautionary measures to be followed during construction.

Definition of Terms

Division:	The Solid Waste Management Division of the Public Works Department, San Bernardino County (“SWMD or County”)
Contract Operator:	SWMD Operations Contractor
Engineer:	All references to Engineer shall mean SWMD acting either directly or through properly authorized representatives acting within the scope of the particular duties delegated to them.
Designer:	SWT Engineering, Inc., 800-C South Rochester Avenue, Ontario, CA 91761, telephone (909) 390-1328.
Contractor:	The individual, partnership, corporation, joint venture, or other legal entity entering into a contract with the County to perform the work.
Construction Manager (CM):	All references to CM shall mean SWMD acting directly or through properly authorized representatives contracted to perform CM duties for the project.
Construction Quality Assurance (CQA) Firm:	The firm under contract to perform Construction Quality Assurance monitoring and reporting for the project will be determined at a later time.

These Technical Specifications include the General Terms and Conditions, and the Special Conditions for the Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill.

1.2 DESCRIPTION OF WORK

The work to be done by the Contractor shall include furnishing all labor, materials, tools, equipment, power, and water for the construction of the Phase 1B Stages 4 and 5 Composite Liner Improvements and all associated work represented on the Contract Drawings, and included in these Technical Specifications.

In general, the major features of the work to be performed shall include but not be limited to:

- Clearing, Grubbing, and Demolition.
- Potholing to determine limits of waste - excavate, transport, and reconsolidate refuse.
- Miscellaneous grading, unclassified excavation, and unclassified fill (Excavate, fill, transport, and stockpile soil).
- Screening of on-site 1-inch minus material for liner subgrade and Protective Soil Cover (PSC).
- Preparation of subgrade surface to receive Composite Liner System- Base Liner, Slope Liner, and Bench Liner.
- Installation of Composite Liner System geosynthetics on Base, Slope and Benches.
- Construct miscellaneous civil and drainage improvements.

In general, the primary scope of work includes two major sequences of civil/LFG improvements, which shall be executed in two distinct construction sequences or milestones, as outlined in these specifications (Section 1.10 below) and shown on the construction drawings (Sheet G4). The major portions of improvement work include:

1. Landfill Gas Probe Modification Plan (Sequence 1); and
2. Phase 1B Stage 4 and 5 Composite Liner System (Sequences 1 and 2).

1.3 CONTRACT DOCUMENTS

The contract documents consist of the Advertisement for Bids, Bidder's Proposal, Bid Documents, Technical Specifications and Plans or Drawings as defined below.

A. ADVERTISEMENT FOR BIDS

The Advertisement for Bids first publication date is identified in the Request For Bid documents.

B. BIDDER'S PROPOSAL

Sealed bids will be received for "Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill" on the date and time indicated on the Bid Documents at the address below, at which time the bids will be publicly opened. Bids received after this time will not be considered.

San Bernardino County, Department of Public Works
Solid Waste Management Division
222 W. Hospitality Lane, 2nd Floor
San Bernardino, California 92415-0017

C. BID DOCUMENTS

Bid Documents entitled "Bid Documents for the Phase 1B Stages 4 and 5 Liner Construction Project at the Victorville Sanitary Landfill."

D. TECHNICAL SPECIFICATIONS

Technical Specifications shall include the General Terms and Conditions, Special Conditions, and Referenced Technical Specifications as listed in Section 1.4.

E. **PLANS OR DRAWINGS**

The Plans for this project are the Phase 1B Stages 4 and 5 Liner Construction Plans specifically prepared for this project and the Referenced Standard Plans.

1.4 REFERENCE TECHNICAL SPECIFICATIONS

A. **STANDARD TECHNICAL SPECIFICATIONS**

The standard Technical Specifications shall be considered as the “Standard Technical Specifications for Public Works Construction” (SSPWC) of the American Public Works Association, 2024 Edition, and all subsequent amendments, supplements and additions.

B. **ASTM STANDARDS**

The ASTM standards shall be considered as the latest revised standards or tentative standards of American Society of Testing Materials as specified in either the Technical Specifications, General Provisions or Standard Technical Specifications.

C. **STANDARD DRAWINGS**

Unless otherwise noted on the project plans, the Standard Drawings shall be the most recent standard drawings referenced.

D. **PERMIT REQUIREMENTS**

The permit requirements that govern this site and this closure construction project include, but are not limited to:

- All applicable federal and state laws (including CFR 40 and CCR Title 27);
- Waste Discharge Requirements (WDR’s) for the site;
- Solid Waste Facility Permit (SWFP) for the site;
- Air Quality Management District (AQMD) requirements and Refuse Excavation Permit; and
- National Pollution Discharge Elimination System (NPDES) general requirements.

1.5 PRECEDENCE OF CONTRACT DOCUMENTS

In case of conflict between the contract documents as listed in Section 1.3 of these Technical Specifications and the Reference Technical Specifications as listed in Section 1.4 of these Technical Specifications, the following order of governing documents shall be followed:

- A. Permits
- B. Technical Specifications
- C. Plans/Drawings
- D. Reference Technical Specifications as listed in Section 1.4 of these Technical Specifications

1.6 JOB PROGRESS SCHEDULE

Within 7 days of the approval of the Project Authorization by SWMD, the Contractor shall submit a proposed Schedule of Operations to SWMD. The schedule shall indicate criticality of operations and milestones established by SWMD. The schedule shall also reflect anticipated submittal dates for shop drawings, and procurement, fabrication, and delivery schedules of major materials required for the project. The Schedule shall be in Microsoft Project 2000 format, or as approved by the CM, and shall be submitted on a USB Drive, as well as six hard copies.

If the Contractor elects to submit an early completion schedule for the project, it does so at its risk and such a submission does not change the Contract completion date reflected in the Notice to Proceed. SWMD will not accept any responsibility for, nor be held liable for, any damages allegedly caused by the Contractor's failure to complete the Project within its proposed early completion schedule.

No changes shall be made to the critical path logic of the schedule unless such changes have been approved, in writing, by the CM. The Project Schedule shall be updated monthly. The updated schedules shall indicate any deviations from the original schedule and provide a narrative description of problem areas, current and anticipated delaying factors and their impact, and an explanation of corrective actions taken or proposed.

In addition to the Schedule of Operations, the Contractor shall submit a three-week "look-ahead" schedule at the first weekly progress meeting. The "look-ahead schedule" shall be updated continuously and resubmitted at every weekly progress meeting. The "look ahead" schedule will include only those activities that will be in progress, started, or completed during the next three week period.

In conjunction with the schedule submittal, the contractor shall also provide a map showing the proposed phasing of construction activities. This map shall delineate the phasing of construction, haul routes, water supply/storage, and erosion control features to be implemented for the protection of the site.

1.7. SHOP DRAWINGS AND SUBMITTALS

During the pre-construction meeting, the Contractor shall provide to SWMD for the Engineer's review a complete listing of all anticipated Contractor submittals and the proposed submittal dates for each. SWMD will submit said listing to the Engineer for review and comment. The Contractor shall indicate items as shop drawings, compliance certificates, material samples, or guarantees.

All Contractor submittals shall be accompanied by a transmittal letter that shall clearly indicate the item being submitted for review. The transmittal letter shall include a blank white space 3 inches by 4 inches for review notations. Each transmittal shall have identified the following information as applicable:

- Project title and location
- San Bernardino County Solid Waste Management Division Contract Number
- Contractor/Subcontractor name
- Supplier name
- Manufacturer name
- Specification Section Number

If additional data for the submitted item is anticipated to be provided at a later date, the Contractor shall so state on the transmittal.

Submittals shall be numbered consecutively and only one item shall be included per submittal. Subsequent submittals for the same item shall reference the original number and include an extension of that number, i.e., 2.0 becomes 2.1 or 2-A, etc. Six copies of each submittal required by the Technical Specifications shall be furnished at least 15 working days prior to the intended use, unless otherwise indicated.

Engineering data shall include drawings and descriptive information in sufficient detail to show the kind, size, arrangement, and operation of component materials and devices

; the external connection, anchorages and supports required; performance characteristics; dimensions needed for installation and correlations with other materials and equipment; and all additional information as required in these Technical Specifications.

Submittal data shall be sufficient to verify compliance with all requirements of these Technical Specifications and references.

Certified test results (test certificates) required for demonstrating proof of compliance of materials with specification requirements will be signed by an official authorized to certify on behalf of the Contractor and will contain the name and address of the Contractor, the project name and location, the quantity, and date or dates of shipment or delivery to which the certificates apply. Copies of laboratory test reports submitted with certificates will be signed by a laboratory official authorized to certify on behalf of the laboratory and will contain the name and address of the testing laboratory, the material tested, the testing standards followed, and the testing results. Certification will not be construed as relieving the Contractor from furnishing satisfactory material, if, after tests are performed on samples, the material is found not to meet the specific requirements.

Any changes proposed by the Contractor shall be stated in a cover letter address to the Division and essential details of such changes shall be clearly shown in the data submitted.

Calculations to support the adequacy of the design in meeting specified performance ratings or requirements shall be submitted when required by the Technical Specifications.

Data sheets, catalog cuts or drawings showing more than the particular item under consideration shall be marked to cross off all but the applicable information.

The Engineer's review of drawings and data submitted by the Contractor will cover only general conformity to the Drawings and Technical Specifications. After the Engineer has completed the review, the submittal will be returned to the Division with one or more of the following notations:

- No Exception Taken
- Make Corrections Noted
- Rejected
- Revise and Resubmit
- Submit Specified Item

A "No Exception Taken" response to a submittal does not constitute a blanket approval of dimensions, quantities, and details of the material, equipment, device, or items shown, and does

not relieve the Contractor from responsibility for errors or deviation from the Contract requirements. A "Make Corrections Noted" response does not relieve the Contractor from the responsibility of providing all information required by the Contract.

The Contractor is advised that material will not be approved for use in the work until the appropriate submittals have been provided and are approved by the Engineer.

Review of partial or incomplete submittals will be at the discretion of the Engineer and the Construction Manager (CM).

The Engineer will advise the CM, who will advise the Contractor, of any anticipated additional costs related to review of partial or incomplete submittals, or expedited review when due to late submission by the Contractor. Upon Contractor's request and agreement with the Engineer, the additional or expedited review will proceed.

1.8 WORKING DAYS

A Working day for this contract shall be defined as Monday through Saturday. The Contractor may perform work between the hours of 7:00 a.m. and 9:00 p.m., Monday through Saturday.

Sundays and holidays shown on the current Caltrans Working Day Calendar shall not be counted as Working Days. The landfill is closed on the following holidays: New Year's Day, Easter, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, and Christmas Day. No construction operations will be conducted during these periods unless otherwise approved in writing by the Engineer or Owner.

1.9 TIME OF COMPLETION/LIQUIDATED DAMAGES; EXTENSION OF TIME

The Contractor agrees to complete all work within **230 working days**, commencing upon issuance of a NOTICE TO PROCEED by the County.

In accordance with Government Code Section 53069.85, Contractor agrees to forfeit and pay to County the sum of **Six Thousand Dollars, (\$6,000) per day** for each working day that completion of the project is delayed beyond the specified 230 working days. Additional Liquidated Damage assessments of Six Thousand Dollars (\$6,000) per day for each working day should each of the following Project Milestones (sequencing as defined in section 1.10) not be completed within the specified number of working days from the date of the Notice to Proceed:

1. Beneficial occupancy of Sequence 1 "Phase 1B Stage 4&5 Composite Liner Construction Project at the Victorville Sanitary Landfill" within 160 working days from NTP; and
2. Beneficial occupancy of Sequence 2 "Phase 1B Stage 4&5 Composite Liner Construction Project at the Victorville Sanitary Landfill" within 230 working days from NTP.

Contractor shall be deemed to have taken into account normal inclement weather in the Contractor's construction schedule. If Contractor believes that the progress of the work has been adversely affected by abnormal inclement weather, Contractor shall submit a written request for extension of time to the Construction Manager.

It is understood that requests for time extensions related to delays for inclement weather days will only be considered when the days in question impact a critical path element of the project. Further, a time extension will only be granted when the Contractor is prevented from working on a critical path item during the first 5 hours of the day with at least 60 percent of the normal work force for that item.

Additionally, Contractor agrees to forfeit and pay to the County any penalties and/or fines assessed by the various regulatory agencies having jurisdiction over the landfill for violations associated with a failure to complete the project within the specified 230 working days.

Such sum shall be deducted from any payments due to or to become due to Contractor. If delays are caused by unforeseen events beyond the control of both Contractor and County, or by delays within the control of County, such delays will entitle Contractor to an extension of time, but Contractor shall not be entitled to damages or additional payment due to such delays.

1.10 Sequencing of Work

SWMD has established the following sequencing of the work for the “Phase 1B Stage 4&5 Composite Liner Construction Project”. The proposed sequence of work may require the contractor and their subcontractor(s) to perform multiple mobilizations/demobilizations or sequence their work/equipment to meet the due dates/milestones and the access restrictions described in the contract documents. Sheet G4 of the Construction Drawings provide additional requirements and limitations for the contractor and their subcontractor(s).

The Contractors Operation Plan shall reflect the following sequencing of work but not limited to: All tasks in Sequences 1, 2A/B, and 3 are to be performed in accordance with the Construction Drawings and Specifications.

Sequence 1 (North Stage 5 Slopes/Floor and Lined Access Road Area – Approximately 16 acres):

Due Date: On or before 160 contract working days from NTP for all the tasks listed below.

Task	Survey Type/Document
Phase 1B Stages 4&5 Composite Liner System	
Clearing, Grubbing, and Demolition	As-built / Field Verification
Salvaging of Material Noted on Drawings	As-built / Field Verification
Subgrade Earthwork / Stockpiling	As-built Survey
Compacted Screened On-Site Material	As-built Survey
Final Subgrade Preparation for Liner System	As-built Survey
Geosynthetics Preparation and Deployment	As-built / Record Survey
LCRS System Installation	As-built / Record Survey
LCRS Geomembrane Flaps, Pipe Boot, and Misc. Termination for Sequential Development	As-built / Record Survey, Field Verification
Point over Point Thickness Verification – All Layers	As-built Survey
Liner Installer Field CQA Documentation	CQA Documentation
Miscellaneous Civil / Drainage Improvements	As-built / Record Survey
Perimeter Access Road Construction	As-built / Record Survey
Landfill Gas Probe Modification Plan	As-Built / Record Survey, Final Reporting
Interim Stormwater / Erosion Control Measures	Field Verification

Sequence 2 (South Stage 4 Slopes/Floor Area – Approximately 13 acres):

Due Date: On or before 230 contract working days from NTP for all the tasks listed below.

Task	Survey Type/Document
Phase 1B Stages 4&5 Composite Liner System	
Clearing, Grubbing, and Demolition	As-built / Field Verification
Salvaging of Material Noted on Drawings	As-built / Field Verification
Subgrade Earthwork	As-built Survey
Compacted Screened On-Site Material	As-built Survey
Final Subgrade Preparation for Liner System	As-built Survey
Geosynthetics Preparation and Deployment	As-built / Record Survey
Point over Point Thickness Verification – All Layers	As-built Survey
Liner Installer Field CQA Documentation	CQA Documentation
LCRS System Installation	As-built / Record Survey
Miscellaneous Civil / Drainage Improvements	As-built / Record Survey
Interim Stormwater / Erosion Control Measures	Field Verification
Install LFG Infrastructure	As-built / Record Survey

1.11 RESPONSIBLE REPRESENTATIVE

The Contractor shall furnish to SWMD, in writing, the name of the representative who shall have complete authority to act for this project, including, but not limited to, implementation and enforcement of the site safety plan, the maintenance of barricades, signs, lights, fencing, erosion and dust control. The Contractor shall also furnish to SWMD, a telephone number where the Contractor or his representative may be contacted 24 hours a day. The representative shall be present at the job site during all working hours.

1.12 CONTROL OF WORK

SWMD will establish bench marks and primary control points outside the work limits. All other construction layout and staking shall be the responsibility of the Contractor.

END OF SECTION 1

ATTACHMENT NO. 6

(Section 2J - Miscellaneous Civil and Drainage Improvements, Section 4 – Measurement and Payment, Items 4.16, 4.17, 4.18, and 4.19)

Victorville Sanitary Landfill
Phase 1B Stage 4&5 Composite Liner Construction Project
Addendum #3 – Attachment Section 2J Additions

4.16 DIVERSION BERM AND GEOMEMBRANE FLAP (PER DETAIL 3/C13) – ITEM NO. 66

The contract unit price paid per lineal foot shall include geosynthetics, welding and encapsulation where required, termination(s) including anchor trench and backfill, manufactured geomembrane boot (including extrusion welding, gasket and stainless steel, transitions, placement/compaction of soil diversion berm (to be left in place), and temporary stormwater junction/pipe pigs at the Contractor's discretion to complete the work to the limits indicated on the Drawings and shall be included in the Contractor's unit price per lineal foot.

Final pay quantities shall be determined from field verification of the actual lineal footage of Diversion Berm and Geomembrane Flap installed in accordance with the Plans. Road Temporary Diversion Berm and Geomembrane placed beyond those limits will not be compensated unless previously authorized by the Engineer.

4.17 TEMPORARY DIVERSION BERM AND GEOMEMBRANE FLAP (PER DETAIL 2/C13) – ITEM NO. 67

The contract unit price paid per lineal foot shall include geosynthetics, welding and encapsulation where required, termination(s), transitions, temporary placement/compaction and removal backfill of soils (if required), and temporary stormwater junction/pipe pigs at the Contractor's discretion to complete the work to the limits indicated on the Drawings and shall be included in the Contractor's unit price per lineal foot.

Final pay quantities shall be determined from field verification of the actual lineal footage of Temporary Diversion Berm and Geomembrane Flap installed in accordance with the Plans. Temporary Diversion Berm and Geomembrane Flap placed beyond those limits will not be compensated unless previously authorized by the Engineer.

4.18 ABANDON EXISTING GAS PROBE (PER DETAIL 1/5) – ITEM NO. 68 (DELETABLE)

The contract unit price paid per each for Abandoned Existing Gas Probe Per Detail 1/5 shall include full compensation for removal of soil around the casing to ensure abandoned probe is 5-foot (minimum) below Phase 1B Stage 4 and 5 Composite Liner Subgrade Grades, cutting of casing, backfilling of casing with bentonite chips at minimum of 5 feet, pressure grouting, and for doing all the work involved in the construction of the Abandoned Existing Gas Probe Per Detail 1/5, complete in place, including all excavation, finished grading, metal flared end section, concrete, reinforcing steel, framing, backfill and compaction and/or all other operations, equipment, or materials incidental to completing the work as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer. Existing probes to be abandoned are VVP-102, VVP-114, and VVP-116.

Final pay quantities shall be determined from the actual number of Abandoned Existing Gas Probe Per Detail 2/4 in accordance with the Plans and as confirmed by CM observation. Abandon Existing Gas Probe Per Detail 2/4 beyond these limits will not be compensated unless previously authorized by the Engineer.

Notwithstanding Section 3-2.2.1 of the SSPWC, Bid Item 68 is exempt from the twenty-five percent (25%) quantity adjustment provisions. The Contractor shall perform the work of this bid

Victorville Sanitary Landfill
Phase 1B Stage 4&5 Composite Liner Construction Project
Addendum #3 – Attachment Section 2J Additions

item at the unit price bid regardless of the actual quantity of work performed, whether greater or less than the Engineer's Estimate. No additional compensation will be allowed for increases or decreases in excess of twenty-five percent (25%).

SWMD reserves the right to increase, decrease, or delete Bid Item 68 in its entirety. If the item is deleted, no payment will be made for that bid item and the Contractor shall have no claim for anticipated costs, losses, or other damages associated with the deletion of the item.

4.19 INSTALL NEW PERIMETER GAS PROBES (PER DETAIL 1/4) – ITEM NO. 69 (DELETABLE)

The contract unit price paid per vertical feet of New Perimeter Gas Probes Per Detail 1/4 shall include all drilling, access road/drill pad establishment, new casing, screens, backfill media, PVC probes (all layers/depths) and finish surface concrete and steel monument as required to complete the work to the limits indicated on the Drawings and shall be included in the Contractor's unit price per vertical foot of New Perimeter Gas Probes installed. Exact locations of the new perimeter probes may be adjusted based on agency permits.

Payment for the completed and accepted quantities will be at the contract unit price bid per vertical feet of the complete and accepted New Perimeter Gas Probes. Interim progress payments will be based on the CM evaluation and drilling/well establishment reporting of the estimated percentage of work completed during the subject period.

Notwithstanding Section 3-2.2.1 of the SSPWC, Bid Item 69 is exempt from the twenty-five percent (25%) quantity adjustment provisions. The Contractor shall perform the work of this bid item at the unit price bid regardless of the actual quantity of work performed, whether greater or less than the Engineer's Estimate. No additional compensation will be allowed for increases or decreases in excess of twenty-five percent (25%).

SWMD reserves the right to increase, decrease, or delete Bid Item 69 in its entirety. If the item is deleted, no payment will be made for that bid item and the Contractor shall have no claim for anticipated costs, losses, or other damages associated with the deletion of the item.

ATTACHMENT NO. 7

(PLANS – Sheet G1, Sheet G3, Sheet G4, Sheet C4, and Sheet C13)

SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

SOLID WASTE MANAGEMENT DIVISION

PHASE 1B STAGES 4 AND 5 LINER CONSTRUCTION PROJECT

AT THE VICTORVILLE SANITARY LANDFILL

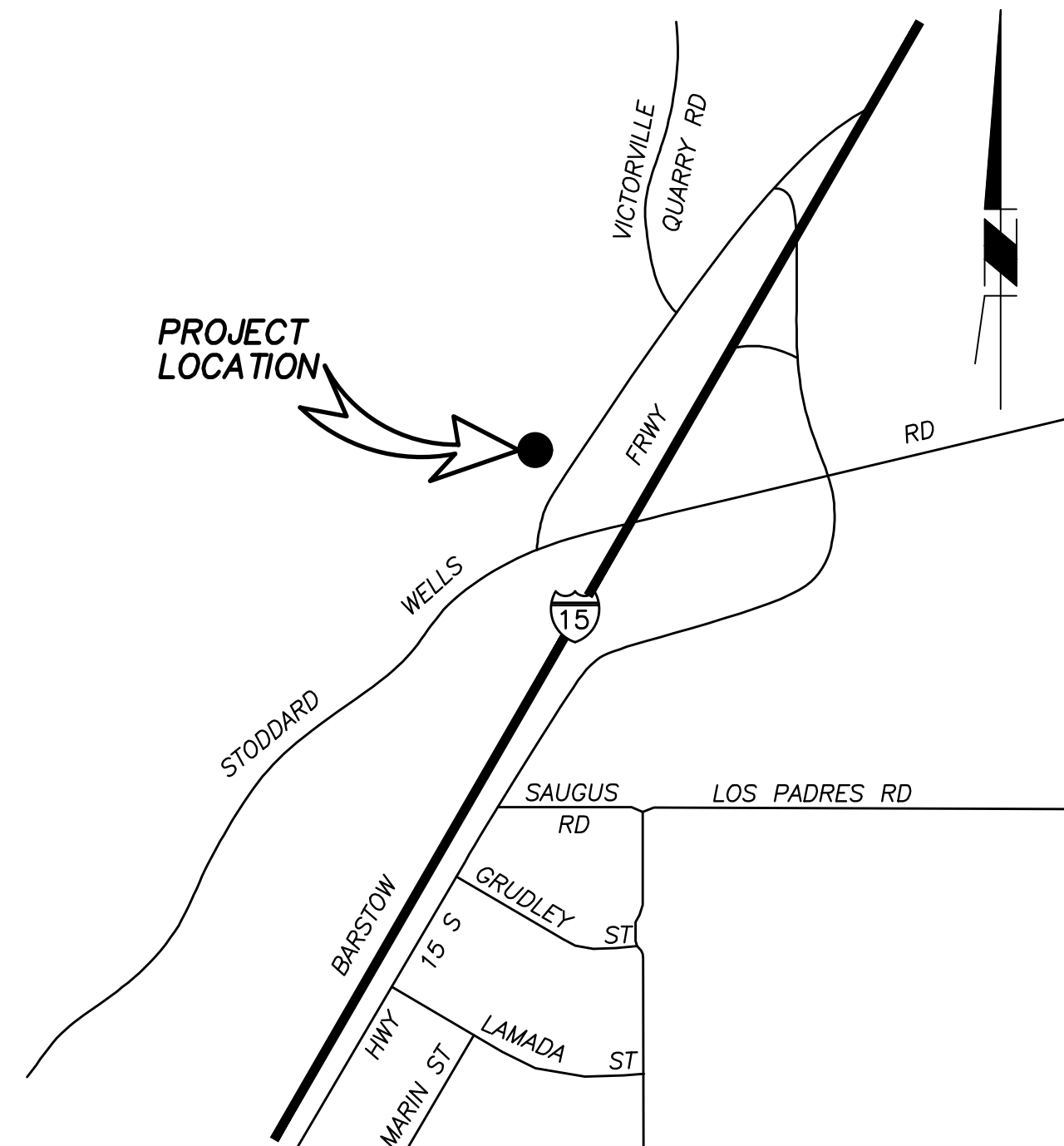


BENCHMARK

SEE SHEET NO. G2 FOR HORIZONTAL AND VERTICAL CONTROL

NOTICE TO CONTRACTOR

1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE EXACT DETERMINATION AS THE LOCATION OF ALL EXISTING UTILITIES. FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 811 AND SHALL PROVIDE THE CONSTRUCTION MANAGER WITH VERIFICATION NUMBERS ISSUED.
3. THE FACT THAT ANY UTILITY FACILITY IS SHOWN OR NOT SHOWN UPON THE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY UNDER SECTION 8-1.10 "UTILITY AND NON-HIGHWAY FACILITIES," OF THE STATE STANDARD SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, PURSUANT THERETO, TO ASCERTAIN THE LOCATION OF ANY UTILITY FACILITY WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF THE CONTRACTOR'S OPERATIONS.
4. REGARDING SIGNED DRAWING VERSUS ELECTRONIC COPY: SHOULD THE CONTRACTOR OR CONTRACTOR'S SURVEYOR FIND A CONTOUR LABEL OR ELEVATION DISCREPANCY BETWEEN THE SIGNED DRAWING AND THE ELECTRONIC VERSION (WHICH HAVE BEEN PROVIDED AS A COURTESY FOR EASE OF CONSTRUCTION STAKING), THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE DISCREPANCY SO THAT THE DISCREPANCY MAY BE RESOLVED, PRIOR TO CONSTRUCTION. THE SIGNED DRAWING SUPERSEDES THE ELECTRONIC VERSION.



LOCATION MAP
NOT TO SCALE

SAN BERNARDINO COUNTY

APPROVED BY: _____ DATE _____
NOEL CASTILLO, P.E. C78044, DIRECTOR, DEPARTMENT OF PUBLIC WORKS

REVIEWED BY: _____ DATE _____
DAVID DOUBLET, P.E. C61291, ASSISTANT DIRECTOR, DEPARTMENT OF PUBLIC WORKS

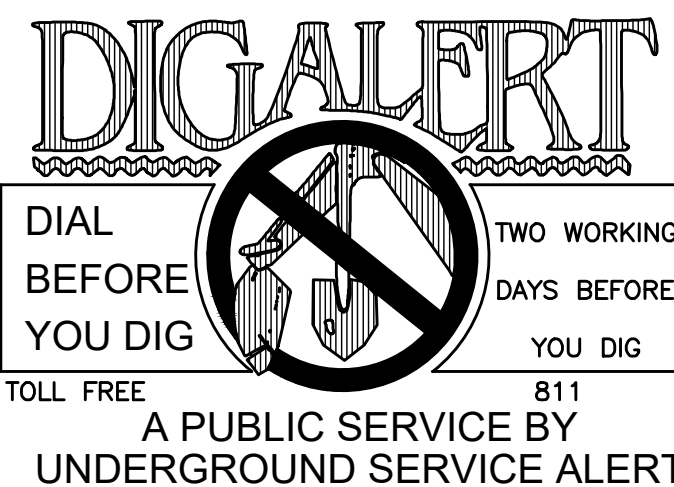
INDEX OF SHEETS

COMPOSITE LINER SYSTEM

SHEET	DESCRIPTION
G1	TITLE SHEET
G2	SITE PLAN
G3	LEGEND, CONSTRUCTION, AND GENERAL NOTES
G4	SITE IMPROVEMENTS
C1	EXISTING CONDITIONS AND DEMOLITION PLAN
C2	SUBGRADE GRADING PLAN SOUTH
C3	SUBGRADE GRADING PLAN NORTH
C4	LCRS AND LINER PLAN SOUTH
C5	LCRS AND LINER PLAN NORTH
C6	PHASE 1B STAGE 3 TIE-IN AREA
C7	NATIVE UNCLASSIFIED GAP FILL GRADING PLAN
C8	PSC BENCH AND NATIVE BACKFILL GRADING PLAN
C9	STOCKPILE INDEX AND HAUL ROUTE PLAN
C10	STOCKPILE 1 PLAN
C11	STOCKPILE 2 PLAN
C12	LINE A PLAN AND PROFILE
C13	PAVEMENT PLAN
C14	DETAIL SHEET
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C18	DETAIL SHEET
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LANDFILL GAS PROBE MODIFICATION PLAN

SHEET	DESCRIPTION
1	TITLE SHEET
2	EXISTING PROBE NETWORK
3	PROPOSED PROBE NETWORK
4	DETAILS
5	DETAILS



SWT Engineering Civil & Environmental
800-C SOUTH ROCHESTER AVE.
ONTARIO, CALIFORNIA. 91761



PREPARED UNDER THE RESPONSIBLE CHARGE OF

03/16/26
DATE

03/16/26
DATE

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES			SHT. NO. 61
			TOT. SHT'S. 23

CONSTRUCTION NOTES

- ① PROTECT IN PLACE
- ② CLEAR AND GRUB
- ③ TO BE REMOVED / RELOCATED BY OTHERS
- ④ DEMOLISH; REMOVE OR SALVAGE PER PLAN
- ⑤ EXCAVATE OR FILL TO SUBGRADE CONTOURS PER PLAN
- ⑥ PLACE PSC TO LIMITS OR CONTOURS PER PLAN
- ⑦ PLACE NATIVE OVERFILL MATERIAL ABOVE PSC TO ESTABLISH DRAINAGE OR ACCESS
- ⑧ CONSTRUCT WESTERLY LINER JOIN SUBGRADE
- ⑨ PREPARE SUBGRADE FOR GEOSYNTHETICS
- ⑩ CONSTRUCT TYPICAL TOP ANCHOR TRENCH SUBGRADE SECTION PER
- ⑪ PLACE COMPACTED SCREENED (1" MINUS) ON-SITE SOIL TO CONTOURS PER PLAN
- ⑫ TRANSITION NEW COMPACTED SCREENED (1" MINUS) ON-SITE SOIL TO EXISTING (PHASE 1B STAGE 3) COMPACTED SCREENED (1" MINUS) SOIL PER
- ⑬ PREPARE COMPACTED SCREENED (1" MINUS) ON-SITE SOIL SURFACE FOR GEOSYNTHETICS PLACEMENT
- ⑭ CONSTRUCT BASE LINER PER
- ⑮ CONSTRUCT SLOPE LINER PER
- ⑯ CONSTRUCT BASE TO SLOPE LINER TRANSITION
- ⑰ CONSTRUCT LINED ACCESS ROAD SECTION PER
- ⑱ INSTALL PERIMETER ROAD EDGE K-RAIL CONCRETE BARRIER
- ⑲ CONSTRUCT LCRS HEADER PIPE PER
- ⑳ CONSTRUCT BENCH LINER SECTION
- ㉑ CONSTRUCT BENCH LINER JOIN
- ㉒ CONSTRUCT TYPICAL LINER TERMINATION AT TOP BENCH/ROAD PER
- ㉓ CONSTRUCT INTERMEDIATE BENCH/ROAD ANCHOR TRENCH PER
- ㉔ CONSTRUCT PROTECTIVE PLASTIC COVER AND HDPE GEOTEXTILE BALLAST
- ㉕ CONSTRUCT LCRS LATERAL PIPE PER
- ㉖ CONSTRUCT LCRS PIPE JUNCTION PER
- ㉗ CONSTRUCT 6" SOLID HDPE LCRS RISER PIPE PER
- ㉘ CONSTRUCT 6" SLOTTED HDPE LCRS ACCESS ROAD COLLECTOR PER
- ㉙ CONSTRUCT WRAPPED GRAVEL CORRIDOR
- ㉚ CONSTRUCT LFG/LCRS RISER BENCH CROSSING
- ㉛ CONSTRUCT LINED NORTHERLY CONSTRUCTION BENCH
- ㉜ CONSTRUCT LINED PERIMETER ROAD SECTION PER
- ㉝ CONSTRUCT TYPICAL BASE LINER JOIN
- ㉞ CONSTRUCT TYPICAL SLOPE LINER JOIN
- ㉟ CONSTRUCT LCRS/LFG RISER TERMINATION SUPPORT PER
- ㊱ INSTALL 24" DIA CHDPE BELOW GRADE STORM DRAIN PIPE
- ㊲ INSTALL 60" DIAMETER CHDPE BELOW GRADE STORM DRAIN PIPE
- ㊳ CONSTRUCT LINE A INLET
- ㊴ CONSTRUCT LINE A OUTLET
- ㊵ INSTALL CLASS III RIP RAP PER SSPWC SECTION 200-1.6
- ㊶ INSTALL CLASS V RIP RAP PER SSPWC SECTION 200-1.6
- ㊷ CONSTRUCT TYPICAL CONCRETE SEEP COLLAR PER PLAN AND PROFILE
- ㊸ CONSTRUCT EASTERLY PERIMETER ROAD SECTION
- ㊹ CONSTRUCT NORTHERLY PERIMETER ROAD SECTION

CONSTRUCTION NOTES (CONT'D)

- ④⑤ TRANSITION FROM NORTHERLY TO EASTERLY PERIMETER ROAD SECTION
- ④⑥ CONSTRUCT AC CURB PER SAN BERNARDINO COUNTY STD PLAN 117
- ④⑦ INSTALL 6" HIGH AC SPEED BUMP PER
- ④⑧ CONSTRUCT APRON AND CONCRETE DRAINAGE INLET PER CALTRANS STD PLAN D75B TYPE GCP WITH TYPE 36R GALVANIZED GRATE
- ④⑨ INSTALL TYPICAL BOLLARD
- ④⑩ INSTALL SALVAGED FENCE
- ④⑪ INSTALL CLASS I FLEXIBLE POST DELINEATORS WITH SURFACE MOUNT PER CALTRANS STD PLAN A73C
- ④⑫ CONSTRUCT INSERTA TEE FITTING
- ④⑬ CONSTRUCT LCRS TEST PORT PER
- ④⑭ CONSTRUCT SOUTH-EASTERLY PERIMETER ROAD SECTION
- ④⑮ CONSTRUCT SEQUENTIAL DEVELOPMENT LINER TERMINATION (SEQUENCE 1/2)
- ④⑯ CONSTRUCT TEMPORARY GEOMEMBRANE FLAP

EROSION CONTROL NOTES

- 1 HYDROSEED PER PROJECT SPECIFICATIONS
- 2 INSTALL FIBER ROLLS
- 3 INSTALL GRAVEL BAG CHEVRON PER

GENERAL NOTES

- FINAL COMPACTION REPORTS ARE REQUIRED FOR ALL FILL MATERIAL PER THE CONTRACT MANUAL.
- CONTRACTOR SHALL COORDINATE WITH THE COUNTY TO PROVIDE CONTINUED ACCESS AND FULL FUNCTION OF THE EXISTING LANDFILL ACCESS ROAD AND ADJACENT FACILITIES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT THEIR OWN SITE INVESTIGATION TO IDENTIFY AND UNDERSTAND THE SUBJECT AS SHOWN OR STATED ON THESE PLAN SHEETS AND TO DETERMINE ANY AND ALL SITE WORK INCIDENTAL TO THIS PROJECT THAT IS NOT SPECIFICALLY SHOWN OR STATED WITHIN THE PROJECT DRAWINGS.
- CONTRACTOR SHALL REMOVE ALL EXISTING MATERIALS AS SHOWN ON THESE PLAN SHEETS AS WELL AS ANY UNSUITABLE MATERIALS DISCOVERED DURING THE CONTRACTOR'S SITE INVESTIGATION AND DURING CONSTRUCTION ACTIVITIES.
- CONTRACTOR IS TO PRESERVE ALL EXISTING TREES AND/OR VEGETATION OUTSIDE OF CONSTRUCTION LIMITS; UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL ESTABLISH A TRAFFIC CONTROL PLAN CONSISTENT WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CA DOT GUIDELINES WORK ZONE SAFETY.

ABBREVIATIONS

AB	AS-BUILT	LP	LOW POINT
AC	ASPHALT CONCRETE	LPM	LOW-PERMEABILITY MATERIAL
BC	BEGINNING OF CURVE	MIN	MINIMUM
BVC	BEGINNING OF VERTICAL CURVE	MSL	MEAN SEA LEVEL
BF	BOTTOM OF FOOTING	MW	MONITORING WELL
CF	CUBIC FOOT	OC	ON CENTER
CHDPE	CORRUGATED HDPE	OD	OUTSIDE DIAMETER
CL	CENTERLINE	PCC	PORTLAND CONCRETE CEMENT
CLSM	CONTROLLED LOW STRENGTH MATERIAL	PI	POINT OF INFLECTION
CMB	CRUSHED MISCELLANEOUS BASE	PPC	PROTECTIVE PLASTIC COVER POINT
DIA	DIAMETER	PRVC	POINT OF REVERSING VERTICAL CURVE
DCS	DOUBLE COMPOSITE SYSTEM	PSC	PROTECTIVE SOIL COVER
EP	EDGE OF PAVEMENT	PVI	POINT OF VERTICAL INFLECTION
ELEV	ELEVATION	RGS	SOUTHERN CALIFORNIA GAS
EC	END OF CURVE	SCG	SUBGRADE
EVC	END OF VERTICAL CURVE	SG	STATION
EG	EXISTING GRADE	STA	STANDARD
FF	FINISHED FLOOR	STD	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
FL	FLOW LINE	SPPWC	SOLID WASTE MANAGEMENT DIVISION
FS	FINISHED SURFACE	SWMD	SOLID WASTE MANAGEMENT DIVISION
GB	GRADE BREAK	TCH	TOP OF CHANNEL
GCP	CONCRETE PIPE INLET WITH GRATE	TF	TOP OF FOOTING
GW	GROUNDWATER	TG	TOP OF GRATE
HDPE	HIGH DENSITY POLYETHYLENE	TP	TOP OF PIPE
HP	HIGH POINT	TW	TOP OF WALL

ABBREVIATIONS (CONT'D)

INV	INVERT	TYP	TYPICAL
LCRS	LEACHATE COLLECTION AND REMOVAL SYSTEM	VC	VERTICAL CURVE
LF	LINEAR FOOT	(E)	EXISTING
LFG	LANDFILL GAS	(P)	PROPOSED
		WOTUS	WATERS OF THE UNITED STATES

CONTRACTOR RESPONSIBILITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE CONSTRUCTION SITE AND ALL HAUL ROUTES IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE COUNTY AND THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION.
- THE ENGINEER HAS DEVELOPED THE HORIZONTAL AND VERTICAL ELEVATIONS TO "BEST FIT" THE EXISTING CONDITIONS. AFTER CONSTRUCTION STAKING, AND PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY POTENTIAL CONFLICTS WITH ANY EXISTING FEATURES OR UTILITIES WITHIN THE CONSTRUCTION LIMITS. DEVIATION FROM THE DESIGN WILL ONLY BE ALLOWED WITH PRIOR APPROVAL OF THE PROJECT ENGINEER.
- THE ENGINEER HAS ENDEAVORED TO SHOW ON THE PLANS ALL KNOWN UNDERGROUND AND OVERHEAD UTILITIES. THE PRESENTATION OF EXISTING UTILITIES IS NOT WARRANTED TO BE EITHER COMPLETE OR EXACT IN HORIZONTAL POSITION OR ELEVATION. THE CONTRACTOR SHALL DETERMINE OR VERIFY UTILITY HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO CONSTRUCTION. ANY FOUND DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING.
- IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES AS NEEDED TO PERFORM THE WORK. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROTECT THE UTILITIES FROM DAMAGE DURING CONSTRUCTION ACTIVITIES. ANY DAMAGE TO UTILITIES CAUSED BY CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING EXISTING UTILITY COMPANIES TO VERIFY THE EXTENT OF UTILITY CONFLICTS CAUSED BY CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL CONTACT "DIGALERT" AT 811.
- COORDINATION, COOPERATION AND VERIFICATION WITH ALL AFFECTED UTILITY COMPANIES SHALL INCLUDE, BUT IS NOT LIMITED TO, UNDERSTANDING THE CONCERNS FOR UTILITY PROTECTION, OPERATIONS, AND ANY SPECIAL REQUIREMENTS OF THE UTILITY COMPANY. THE CONTRACTOR SHALL TAKE RESPONSIBILITY FOR KNOWLEDGE OF BURIED UTILITIES AND BID THE PROJECT ACCORDINGLY.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING BUILDINGS, SIDEWALKS AND PAVEMENT HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IN WRITING.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS WHICH WILL REMAIN IN-PLACE OR RESTORE TO ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE IF DAMAGE OCCURS AS A RESULT OF CONSTRUCTION ACTIVITIES OR NEGLIGENCE.
- PROPERTY PINS, BENCHMARKS, CONTROL POINTS, SECTION AND QUARTER CORNERS FOUND WITHIN THE CONSTRUCTION AREA SHALL BE PRESERVED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THESE MONUMENTS. IF A MONUMENT IS DISTURBED, A LICENSED LAND SURVEYOR SHALL REPLACE THE MONUMENT AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL PROVIDE ALL DEMOLITION AND REMOVAL INCIDENTAL TO OR REQUIRED FOR NEW CONSTRUCTION WHETHER OR NOT SPECIFICALLY NOTED IN THE APPROVED PLANS OR SPECIFICATIONS.
- ALL WORK INCLUDING, BUT NOT LIMITED TO, TRENCH EXCAVATIONS SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA REGULATIONS.
- USE WRITTEN DIMENSIONS. DO NOT USE SCALED DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING JOB SITE SAFETY AND CONSTRUCTION PROCEDURES IN ACCORDANCE WITH NATIONAL, STATE, AND LOCAL SAFETY REQUIREMENTS. THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING; SHORING, TEMPORARY SUPPORTS, ETC IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HAS NOT BEEN CONSIDERED BY THE ENGINEER.
- CONTRACTOR SHALL PROTECT THE ENVIRONMENTAL CONTROL SYSTEM INCLUDING GROUNDWATER MONITORING WELLS, PROBES, AND ALL OTHER SAMPLING POINTS SHOWN ON THE DRAWINGS AND SHALL MAKE THE LOCATIONS AVAILABLE FOR MONITORING BY SWMD AND ITS CONSULTANTS. REPAIR AND/OR REPLACEMENT OF ANY PROBES, GROUNDWATER WELL DAMAGED AND/OR DESTROYED DURING CONSTRUCTION ACTIVITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- TOPOGRAPHY WAS DEVELOPED BY DIGITAL PHOTOGRAMMETRIC METHODS JANUARY 2, 2025. GRID TICKS ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD 83). CALIFORNIA COORDINATE SYSTEM ZONE V NGVD-29 IS TO BE USED FOR ALL SURVEY WORK. HORIZONTAL AND VERTICAL CONTROL POINTS ARE SHOWN ON SHEET G4

LEGEND

---	APPROXIMATE PROPERTY BOUNDARY	→	FLOWLINE
- - - - -	APPROXIMATE LIMIT OF EXISTING REFUSE	---	SCG EASEMENT
---	EXISTING WOTUS	---	SCG GAS LINE
---	LIMIT OF DISTURBANCE	FR	FIBER ROLL
---	APPROXIMATE BOUNDARY AREA	---	ABOVE GRADE GAS EXTRACTION HEADER/LATERAL
3150	EXISTING GRADE CONTOUR	---	BELOW GRADE GAS EXTRACTION HEADER/LATERAL
X	EXISTING FENCE	---	HORIZONTAL TRENCH COLLECTOR
OE	EXISTING OVERHEAD ELECTRICAL LINE	---	COMPRESSED AIR LINE
LFG	EXISTING LANDFILL GAS HEADER	---	CONDENSATE CONVEYANCE LINE
---	EXISTING LINER LIMIT	⊕	EXISTING/ABANDONED GAS EXTRACTION WELL
---	EXISTING POWER POLE	✕	EXISTING JOSHUA TREE
---	PROPOSED DAYLIGHT LINE	+	SOIL-PORE GAS MONITORING PROBE
3150	PROPOSED GRADE CONTOUR	⊗	LANDFILL GAS PERIMETER PROBE
---	PROPOSED TOP OR TOE OF SLOPE	▲	CONDENSATE SUMP LOCATION
---	PROPOSED RIDGE LINE		
□	K-RAIL		
→	PROPOSED FLOWLINE		
2%	PROPOSED DIRECTION AND RATE OF SLOPE		
---	PROPOSED BENCH/ROAD		
C	PROPOSED CUT/FILL TRANSITION		
---	PROPOSED SLOPE TO BASE TRANSITION		
---	PROPOSED ANCHOR TRENCH TRANSITION		
---	PROPOSED LINER LIMIT		
---	PROTECTIVE SOIL COVER LIMIT		
---	LCRS SWALE/COLLECTOR PIPE		
---	LCRS COLLECTOR PIPE		
---	PROPOSED LCRS/LFG SLOPE RISER PIPE		
---	PROPOSED LCRS HEADER		
---	PROPOSED LCRS LATERAL		
SD	PROPOSED LCRS STORM DRAIN PIPE		
---	PROPOSED LFG EVACUATION RISER		

AS-BUILT AND RECORD DRAWINGS

- THE CONTRACTOR SHALL BE REQUIRED PER THE PROJECT MANUAL TO MAINTAIN A SET OF UPDATED CONSTRUCTION DRAWINGS IN THE FIELD. THESE DRAWINGS SHALL BE FOR THE SOLE PURPOSE OF RECORDING AS-BUILT INFORMATION AND SHALL BE USED BY THE PROJECT DESIGN ENGINEER IN THE PREPARATION OF RECORD DRAWINGS. THESE UPDATED CONSTRUCTION DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE PROJECT DESIGN ENGINEER NO LATER THAN 10 WORKING DAYS AFTER THE PROJECT HAS BEEN CERTIFIED AS SUBSTANTIALLY COMPLETE OR AS INDICATED IN THE CONTRACT DOCUMENTS.
- FINAL PAYMENT SHALL BE WITHHELD PER SSPWC UNTIL COMPLETE AND APPROVED AS-BUILT INFORMATION HAS BEEN RECEIVED
- ANY DISCREPANCIES NOTED IN THE PLANS OR IN THE FIELD SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE PROJECT DESIGN ENGINEER IN WRITING AND NOTED ON THE CONTRACTOR'S AS-BUILT CONSTRUCTION DRAWINGS.
- THE CONTRACTOR'S UPDATED CONSTRUCTION DRAWINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING INFORMATION:
 - LOCATIONS OF ALL EXISTING UTILITIES ENCOUNTERED.
 - CHANGES IN SOIL CONDITIONS NOT INDICATED ON THE CONSTRUCTION DRAWINGS.
 - ANY AND ALL DEVIATIONS FROM THE APPROVED PLANS.
 - NEWLY CONSTRUCTED UTILITY INFORMATION.

DATE	
REVISIONS	
MARK	

DATE	12/08/25
REVISIONS	
ISSUED WITH ADDENDUM #3	
MARK	

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES			

PREPARED BY:

SWT Engineering Civil & Environmental

800-C SOUTH ROCHESTER AVENUE
ONTARIO, CALIFORNIA 91761

REGISTERED PROFESSIONAL ENGINEER
C 89895
M. Reyes
CIVIL
STATE OF CALIFORNIA

03/16/28

PREPARED UNDER THE SUPERVISION OF

SAN BERNARDINO COUNTY

DEPARTMENT OF PUBLIC WORKS

DRAWN BY B.L.C	DESIGNED BY B.M.R	PROJ. ENGR. B.M.R	RECOMMENDED / APPROVED BY
SUBMITTED BY			CHIEF ENGINEER _____ DATE
PROJECT MANAGER _____ DATE			DEPUTY DIRECTOR _____ DATE

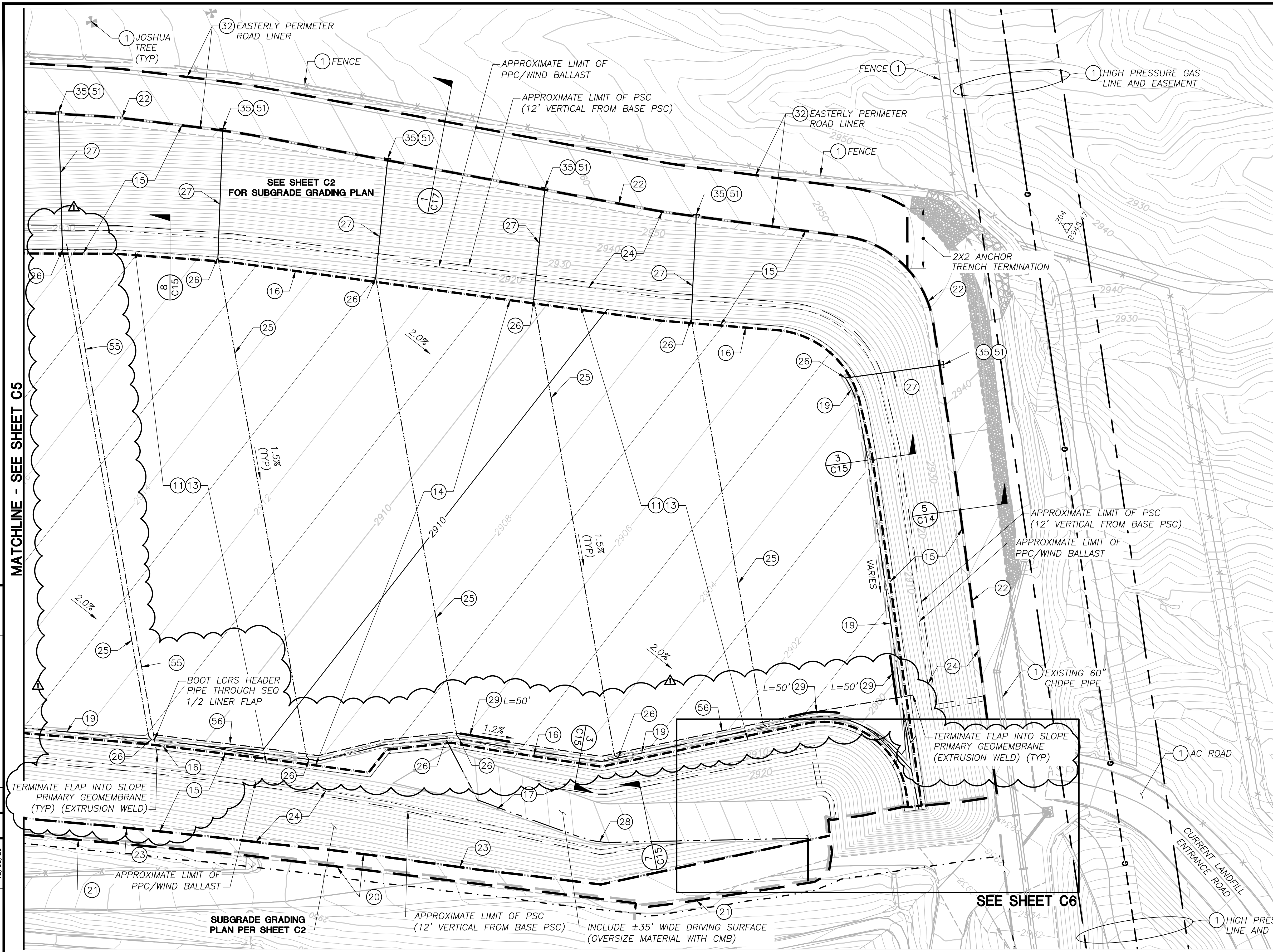
VICTORVILLE SANITARY LANDFILL

PHASE 1B STAGES 4 AND 5

LINER CONSTRUCTION PROJECT

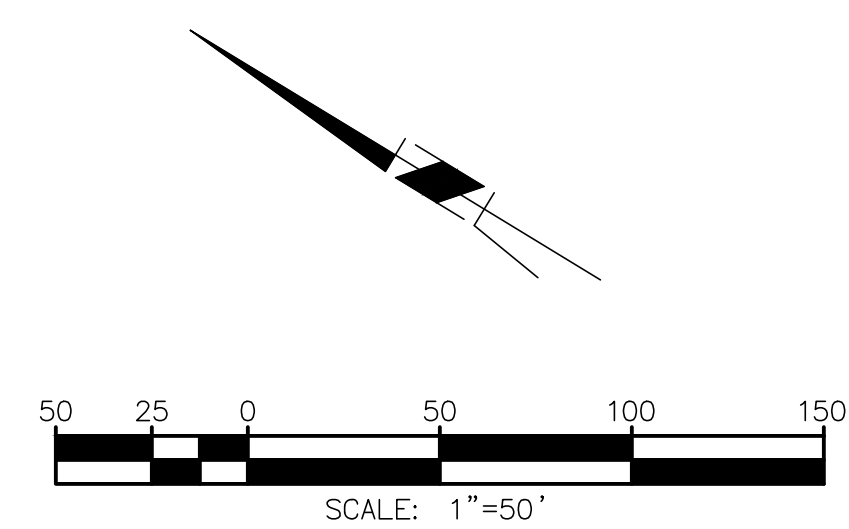
LEGEND, CONSTRUCTION, AND GENERAL NOTES

DATE	DWG NO.	SCALE	SHT. NO.	TOT. SHTS.
03-26	AS SHOWN	G3	23	23



- ### CONSTRUCTION NOTES
- 1 PROTECT IN PLACE
 - 11 PLACE COMPACTED SCREENED (1" MINUS) ON-SITE SOIL TO CONTOURS PER PLAN
 - 13 PREPARE COMPACTED SCREENED (1" MINUS) ON-SITE SOIL SURFACE FOR GEOSYNTHETICS PLACEMENT
 - 14 CONSTRUCT BASE LINER PER _____ (1 C15)
 - 15 CONSTRUCT SLOPE LINER PER _____ (2 C15)
 - 16 CONSTRUCT SLOPE TO BASE LINER TRANSITION _____ (8 C15)
 - 17 CONSTRUCT LINED ACCESS ROAD SECTION PER _____ (7 C15)
 - 19 CONSTRUCT LCRS HEADER PIPE PER _____ (3 C15) OR (7 C16)
 - 20 CONSTRUCT BENCH LINER SECTION _____ (3 C17)
 - 21 CONSTRUCT BENCH LINER JOIN _____ (3 C17)
 - 22 CONSTRUCT TYPICAL LINER TERMINATION AT TOP BENCH/ROAD PER _____ (2 C17)
 - 23 CONSTRUCT INTERMEDIATE BENCH/ROAD ANCHOR TRENCH PER _____ (3 C17)
 - 24 CONSTRUCT PROTECTIVE PLASTIC COVER AND HDPE GEOTEXTILE BALLAST _____ (2 C15)
 - 25 CONSTRUCT LCRS LATERAL PIPE PER _____ (8 C16)
 - 26 CONSTRUCT LCRS PIPE JUNCTION PER _____ (1 C16)
 - 27 CONSTRUCT 6" SOLID HDPE LCRS RISER PIPE PER _____ (2 C16)
 - 28 CONSTRUCT 6" SLOTTED HDPE LCRS ACCESS ROAD COLLECTOR PER _____ (7 C15)
 - 29 CONSTRUCT WRAPPED GRAVEL CORRIDOR _____ (4 C16)
 - 32 CONSTRUCT LINED PERIMETER ROAD SECTION PER _____ (1 C17) (6 C17)
 - 35 CONSTRUCT LCRS/LFG RISER TERMINATION SUPPORT PER _____ (6 C16)
 - 51 INSTALL CLASS I FLEXIBLE POST DELINEATORS WITH SURFACE MOUNT PER CALTRANS STD PLAN A732
 - 55 CONSTRUCT SEQUENTIAL DEVELOPMENT LINER TERMINATION (SEQUENCE 1/2) _____ (3 C13)
 - 56 CONSTRUCT TEMPORARY GEOMEMBRANE FLAP _____ (2 C13)

NOTES:
 1. SEE SHEET G3 FOR LEGEND.
 2. FULL TONE CONTOURS = COMPACTED SCREENED ON-SITE MATERIAL (1" MINUS).



MATCHLINE - SEE SHEET C5

MARK	REVISIONS	DATE

MARK	REVISIONS	DATE

DATE OF TOPOGRAPHY: JANUARY 6, 2025

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES

PREPARED BY:

SWT Engineering Civil & Environmental
 800-C SOUTH ROCHESTER AVENUE
 ONTARIO, CALIFORNIA 91761

REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 C 89895
 CIVIL
 03/16/28

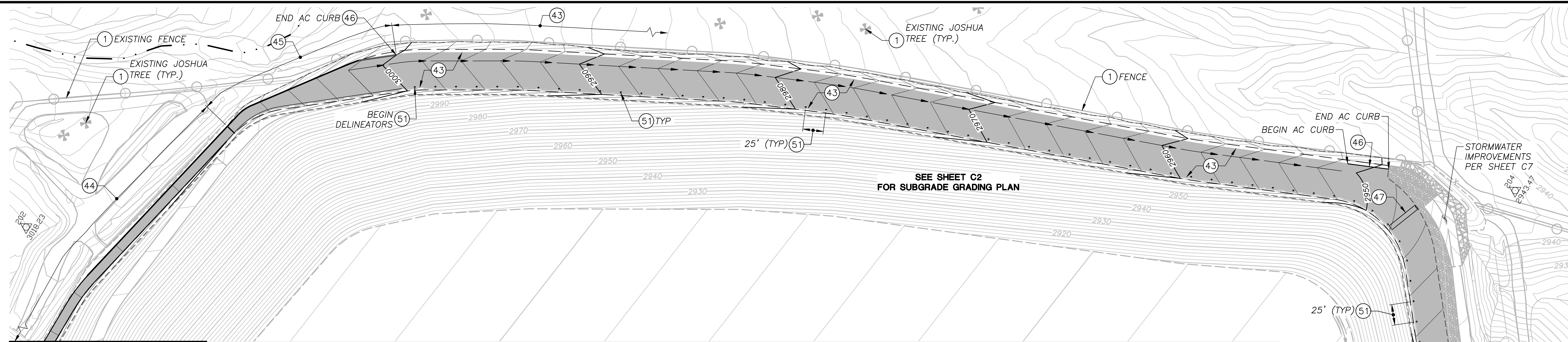
PREPARED UNDER THE SUPERVISION OF

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DEPARTMENT OF PUBLIC WORKS

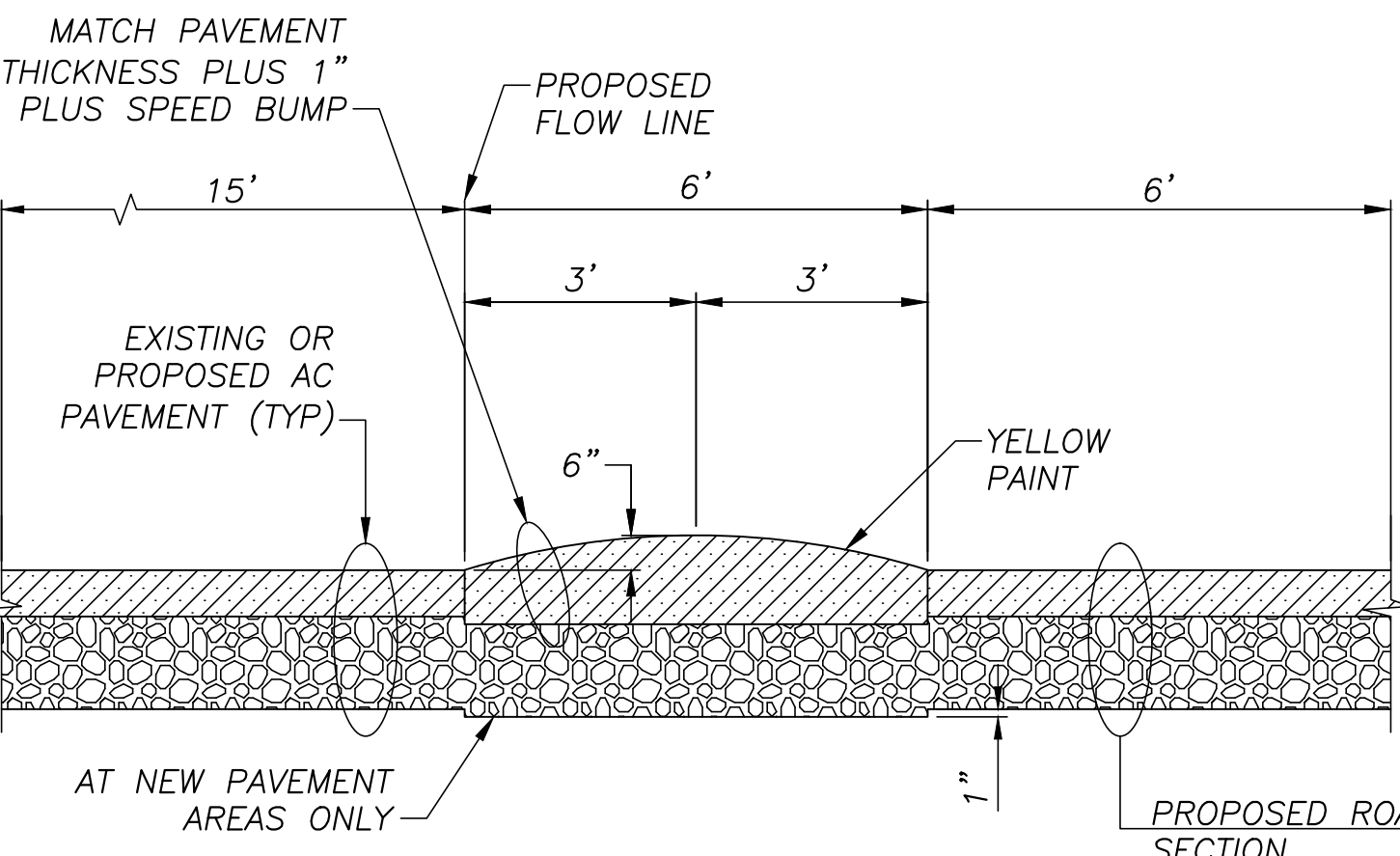
DRAWN BY B.L.C	DESIGNED BY B.M.R	PROJ. ENGR. B.M.R	RECOMMENDED / APPROVED BY
SUBMITTED BY			CHIEF ENGINEER _____ DATE
PROJECT MANAGER _____ DATE			DEPUTY DIRECTOR _____ DATE

VICTORVILLE SANITARY LANDFILL
PHASE 1B STAGES 4 AND 5
LINER CONSTRUCTION PROJECT
LCRS AND LINER PLAN SOUTH

DATE	DWG NO.	SCALE	SHT. NO.	TOT. SHT'S.
03-26		AS SHOWN	C4	23



MATCHLINE - SEE RIGHT

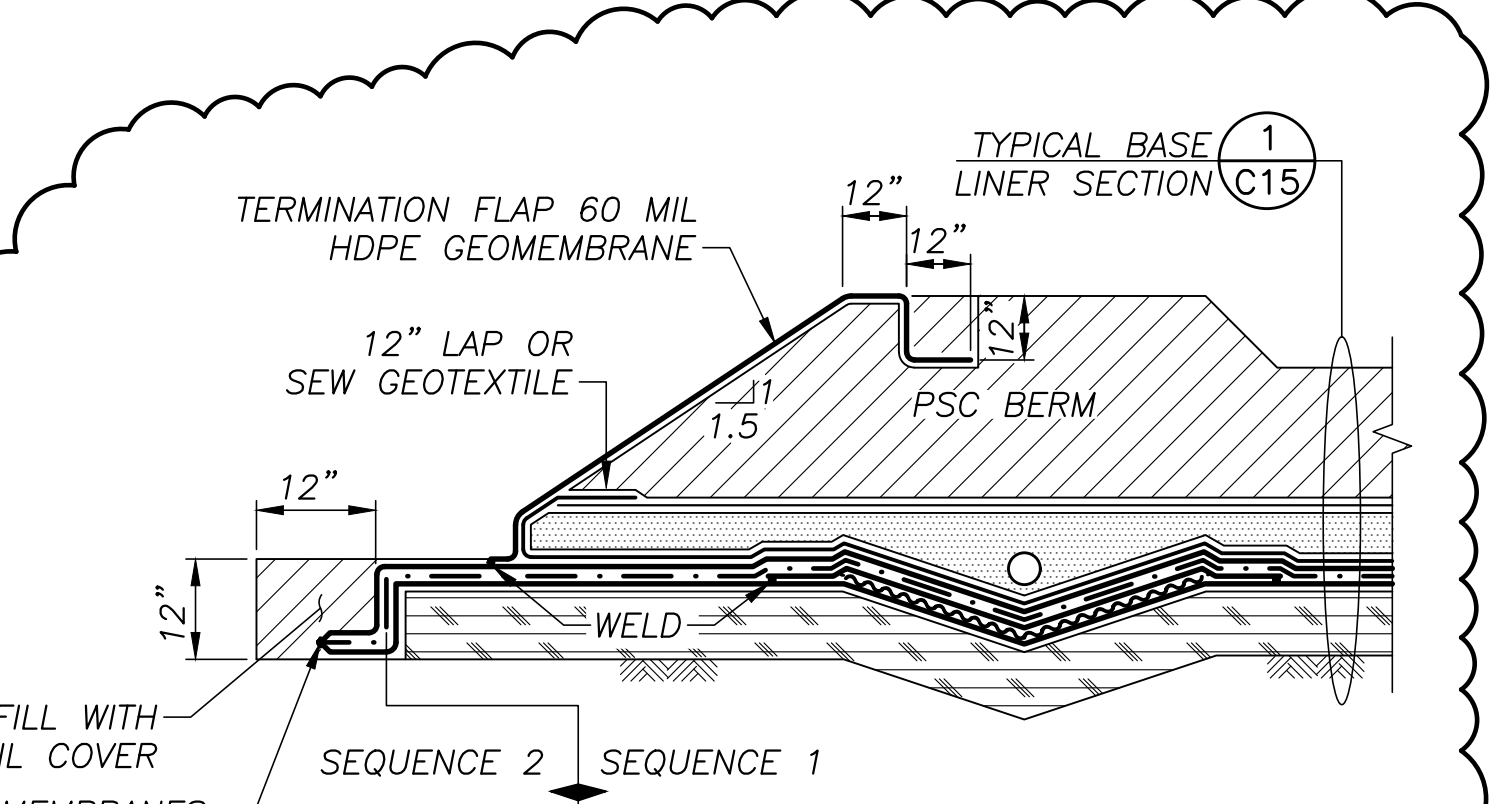


AC SPEED BUMP
NTS
1 C13

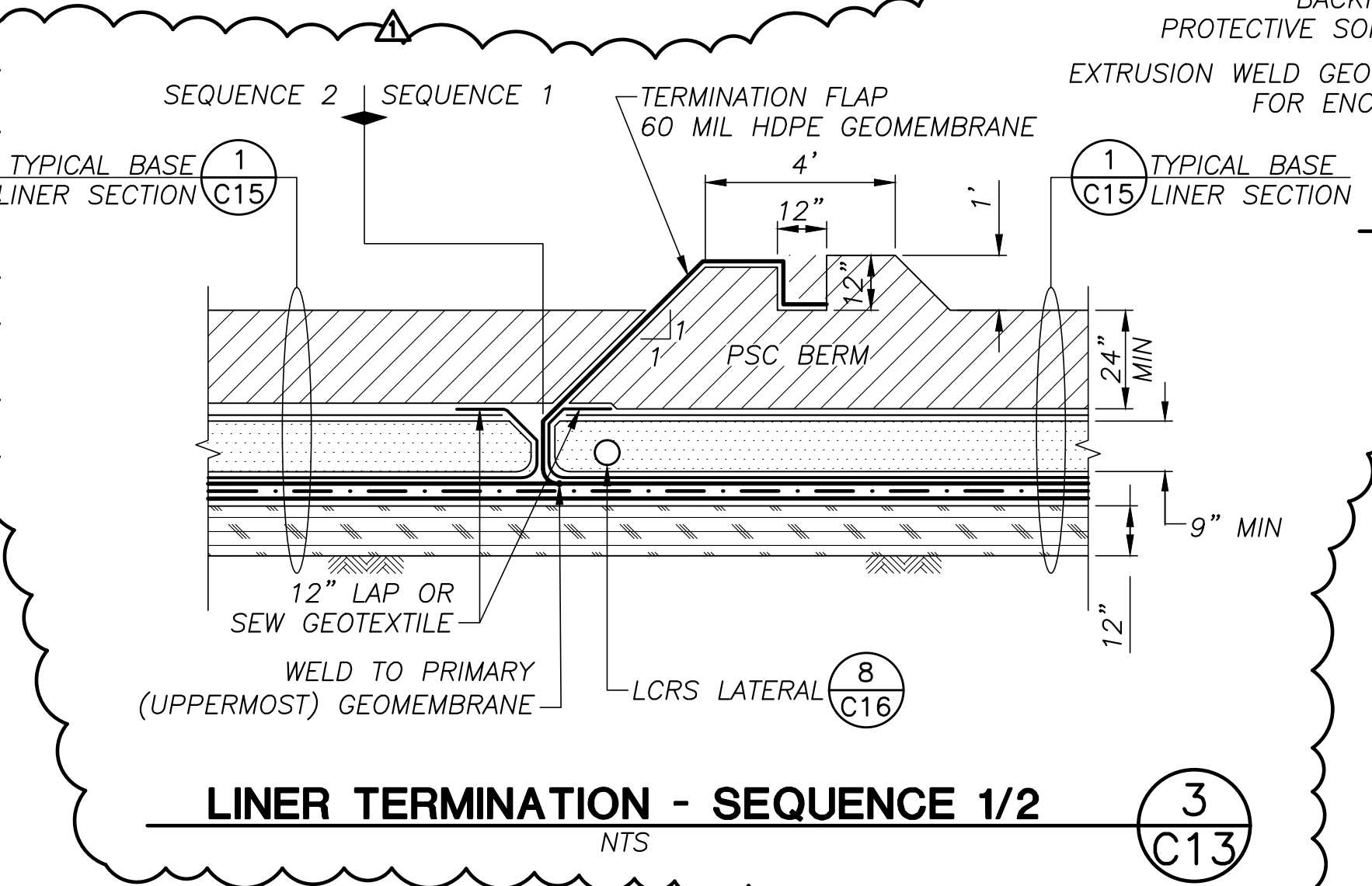
CONSTRUCTION NOTES

- 1 PROTECT IN PLACE
- 43 CONSTRUCT EASTERLY PERIMETER ROAD SECTION 1 C17
- 44 CONSTRUCT NORTHERLY PERIMETER ROAD SECTION 6 C17
- 45 TRANSITION FROM NORTHERLY TO EASTERLY PERIMETER ROAD SECTION
- 46 CONSTRUCT AC CURB PER SAN BERNARDINO COUNTY STD PLAN 117
- 47 INSTALL 6" HIGH AC SPEED BUMP PER 1 C13
- 51 INSTALL CLASS I FLEXIBLE POST DELINEATORS WITH SURFACE MOUNT PER CALTRANS STD PLAN A73C
- 54 CONSTRUCT SOUTH-EASTERLY PERIMETER ROAD SECTION 5 C17

MATCHLINE - SEE LEFT



WEST LINER TERMINATION (TEMPORARY)
NTS
2 C13



LINER TERMINATION - SEQUENCE 1/2
NTS
3 C13

MARK	DATE	REVISIONS

MARK	DATE	REVISIONS

MARK	CHANGES	RESIDENT ENGINEER	DATE

PREPARED BY:
SWT Engineering Civil & Environmental
800-C SOUTH ROCHESTER AVENUE
ONTARIO, CALIFORNIA 91761

REGISTERED PROFESSIONAL ENGINEER
BRYAN M. REYES
C 89895
CIVIL
STATE OF CALIFORNIA

DATE: 03/16/28

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DRAWN BY: B.L.C. DESIGNED BY: B.M.R. PROJ. ENGR.: B.M.R.

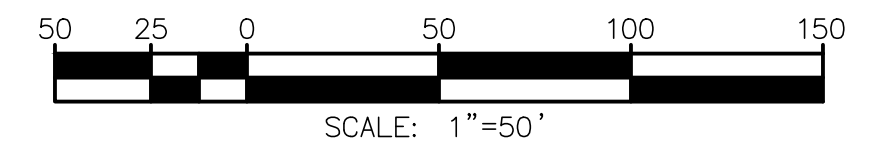
RECOMMENDED / APPROVED BY: _____

CHIEF ENGINEER: _____ DATE: _____

DEPUTY DIRECTOR: _____ DATE: _____

VICTORVILLE SANITARY LANDFILL
PHASE 1B STAGES 4 AND 5
LINER CONSTRUCTION PROJECT
PAVEMENT PLAN

DATE	DWG. NO.	SCALE	SHT. NO.	TOT. SHT'S.
03-26		AS SHOWN	C13	23



DATE OF TOPOGRAPHY: JANUARY 6, 2025

Z:\PROJECTS\SAN BERNARDINO SWM\VICTORVILLE\PHASE 1B STAGES 4 AND 5\CAD\SET\SET\C13-PAVEMENT PLAN

ATTACHMENT NO. 8

(Landfill Gas Probe Modification Plan)

A

B

C

D

E

F

G

H

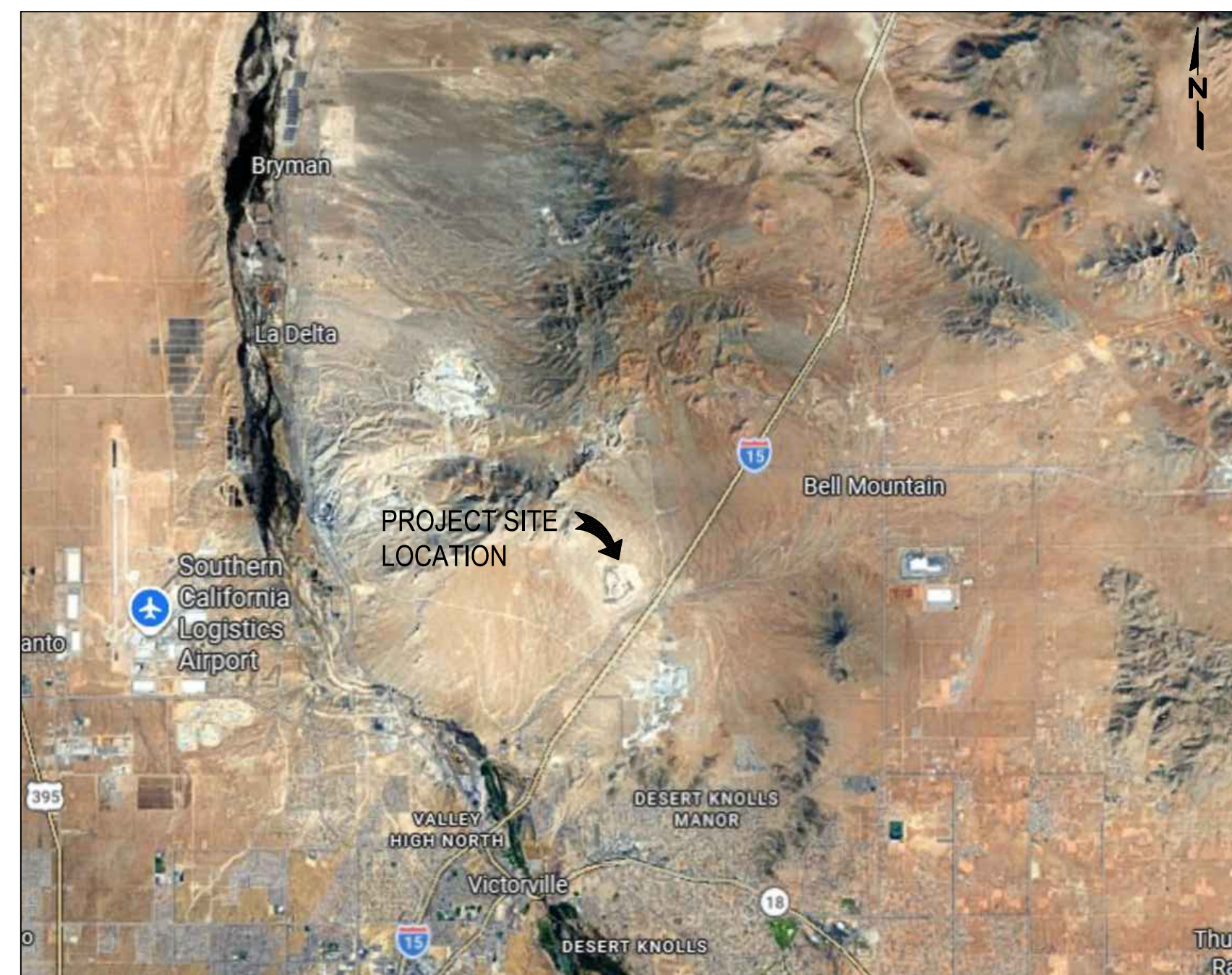
I

J

LANDFILL GAS PROBE MODIFICATION PLAN

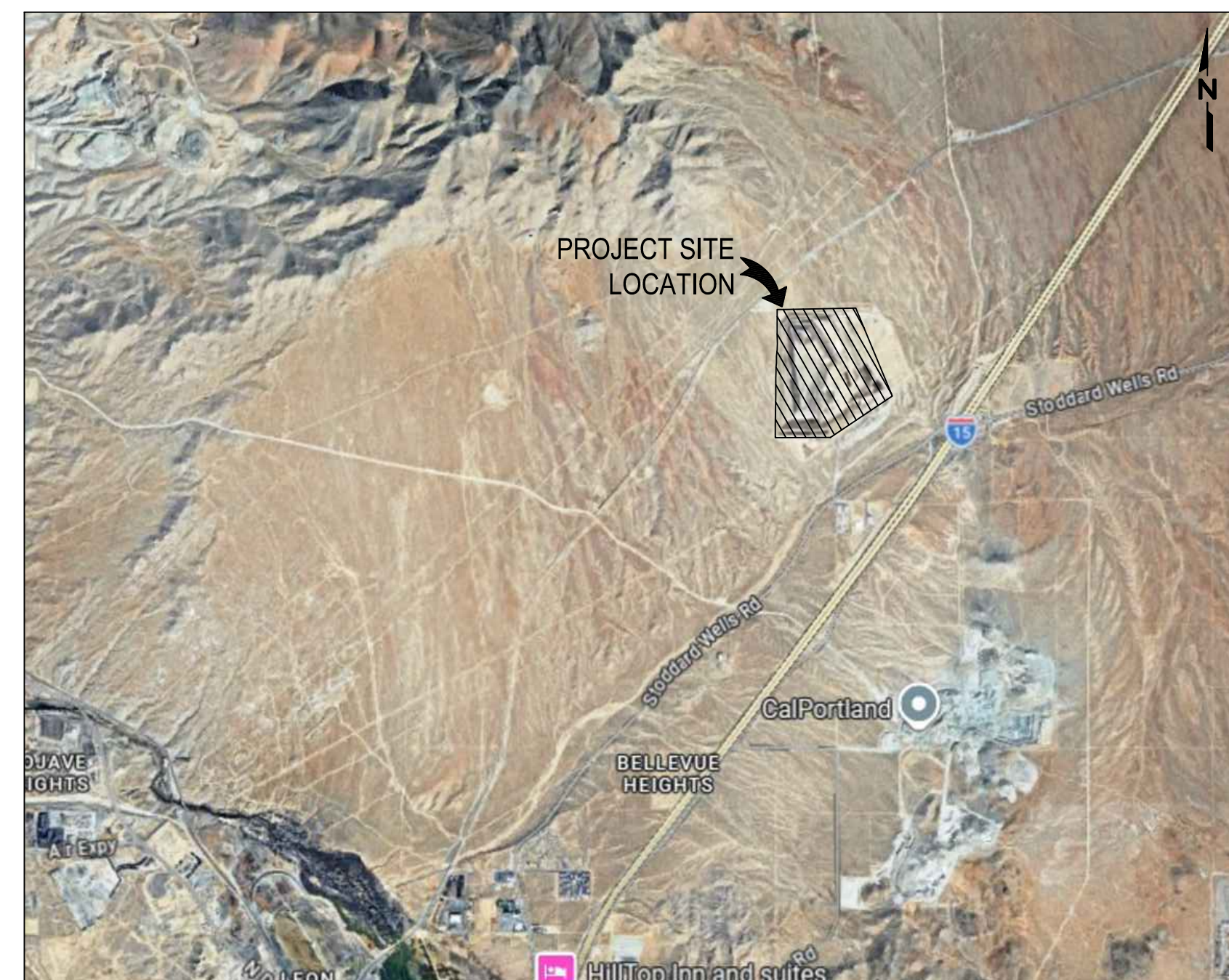
AT THE
VICTORVILLE SANITARY LANDFILL
18600 STODDARD WELLS RD
VICTORVILLE, CA 92395

PREPARED FOR
SAN BERNADINO COUNTY
SOLID WASTE MANAGEMENT DIVISION



VICINITY MAP
N.T.S.

DRAWING NO.	DRAWING TITLE
1	TITLE SHEET
2	EXISTING PROBE NETWORK
3	PROPOSED PROBE NETWORK
4	DETAILS
5	ABANDONMENT DETAIL

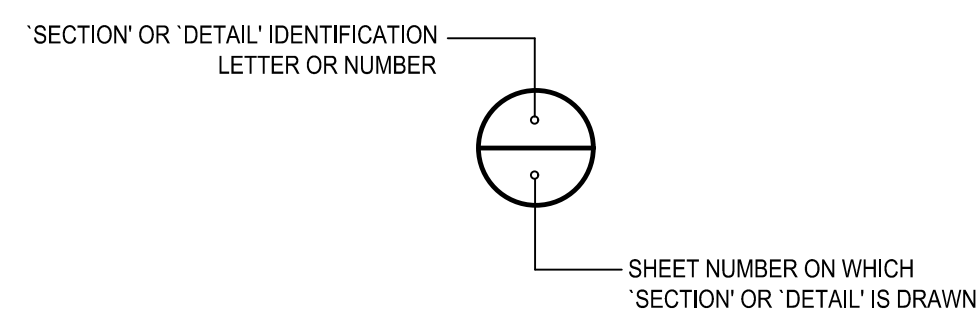


LOCATION MAP
N.T.S.

NOTE TO CONTRACTOR:

THE CONTRACTOR IS DULY ADVISED THAT CONSTRUCTION IS BEING PERFORMED AT A SOLID WASTE FACILITY. THE PRESENCE OF LANDFILL GAS (LFG), WHICH CONSISTS PRIMARILY OF METHANE, CARBON DIOXIDE, HYDROGEN SULFIDE, AND OTHER GASES COULD BE PRESENT. THE PRESENCE OF LFG CAN CREATE A HAZARDOUS ENVIRONMENT WITH THE POTENTIAL FOR BOTH COMBUSTION/EXPLOSION AT CONCENTRATIONS BETWEEN 5% AND 15% METHANE, BY VOLUME. THE CONTRACTOR IS ADVISED TO TAKE EXTRA PRECAUTIONS DURING CONSTRUCTION ACTIVITIES INCLUDING WELDING OR OTHER ACTIVITIES THAT COULD GENERATE A SPARK OR HEAT. THE CONTRACTOR IS ADVISED TO MONITOR METHANE CONCENTRATIONS IN THE WORK AREA AND ADHERE TO THE HEALTH AND SAFETY REQUIREMENTS.

SECTION AND DETAIL DESIGNATION:



NO.	REVISION	DATE

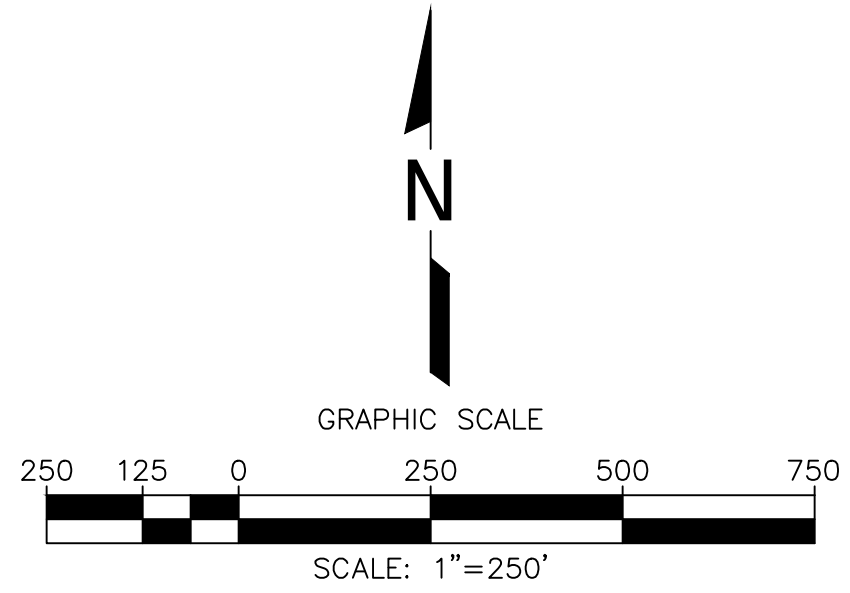
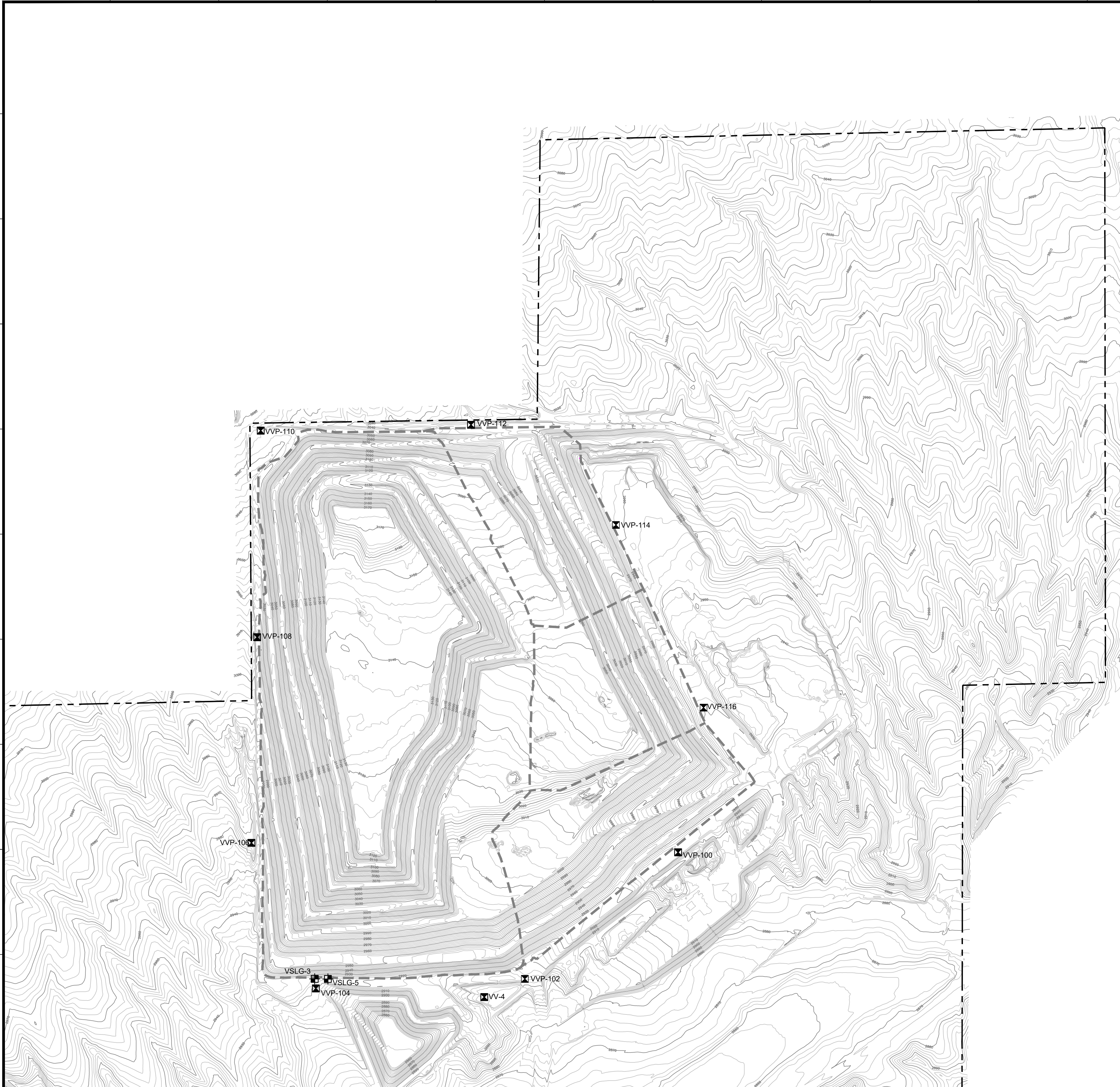
SHEET TITLE:	TITLE SHEET
PROJECT TITLE:	LANDFILL GAS MONITORING PROBE PLAN VICTORVILLE SANITARY LANDFILL VICTORVILLE, CA



CLIENT:	SAN BERNARDINO COUNTY
SCS ENGINEERS ENVIRONMENTAL CONSULTANTS	1000 CALIFORNIA AVENUE SUITE 250 SAN BERNARDINO, CA 92415 (866) 571-5500 FAX (562) 427-0805
PROJECT NO:	07224163.25
DATE:	02-27-2026
SCALE:	AS SHOWN
SHEET:	1

**- FINAL PLAN -
 REVIEW AND PERMITTING PURPOSES ONLY**

F:\Engineers\San Bernardino County\Victorville LF\2025 VSL Perimeter Probe Reprint Project\04-Design Revisions\DWG\Victorville_2025 Perim Probe Reprint_Rev1.0_2026-02-27_For Permitting.dwg Mar 10, 2026 - 12:3pm By: eshwartz



LEGEND

- EXISTING SOIL-PORE GAS MONITORING PROBE
- EXISTING LANDFILL GAS PERIMETER PROBE
- PROPERTY LINE
- EXISTING CELL LIMITS

- NOTES:**
- EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN WAS PROVIDED BY SAN BERNARDINO COUNTY. AERIAL PHOTOGRAPHY DATED JULY 3, 2025.
 - NORTH ARROW, THE GRID, AND THE COORDINATES SYSTEM SHOWN HERE ARE REFERENCED TO THE CALIFORNIA STATE PLANE ZONE V COORDINATE SYSTEM, NAD 83.
 - LOCATIONS DEPICTED FOR THE EXISTING COMPONENTS PROVIDED BY SAN BERNARDINO COUNTY, DATED 2009.
 - THE LOCATIONS OF ANY EXISTING PIPING, VALVES, AND OTHER TIE-IN LOCATIONS ARE APPROXIMATE. ACTUAL FIELD CONDITIONS MAY VARY.

**- FINAL PLAN -
REVIEW AND PERMITTING PURPOSES ONLY**

NO.	REVISION	DATE

SHEET TITLE: EXISTING PERIMETER LANDFILL GAS MONITORING WELL NETWORK
PROJECT TITLE: LANDFILL GAS MONITORING PROBE PLAN VICTORVILLE SANITARY LANDFILL VICTORVILLE, CA



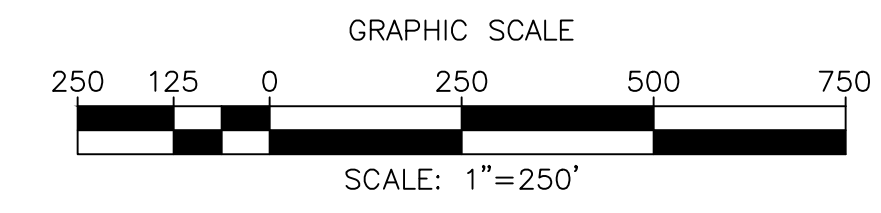
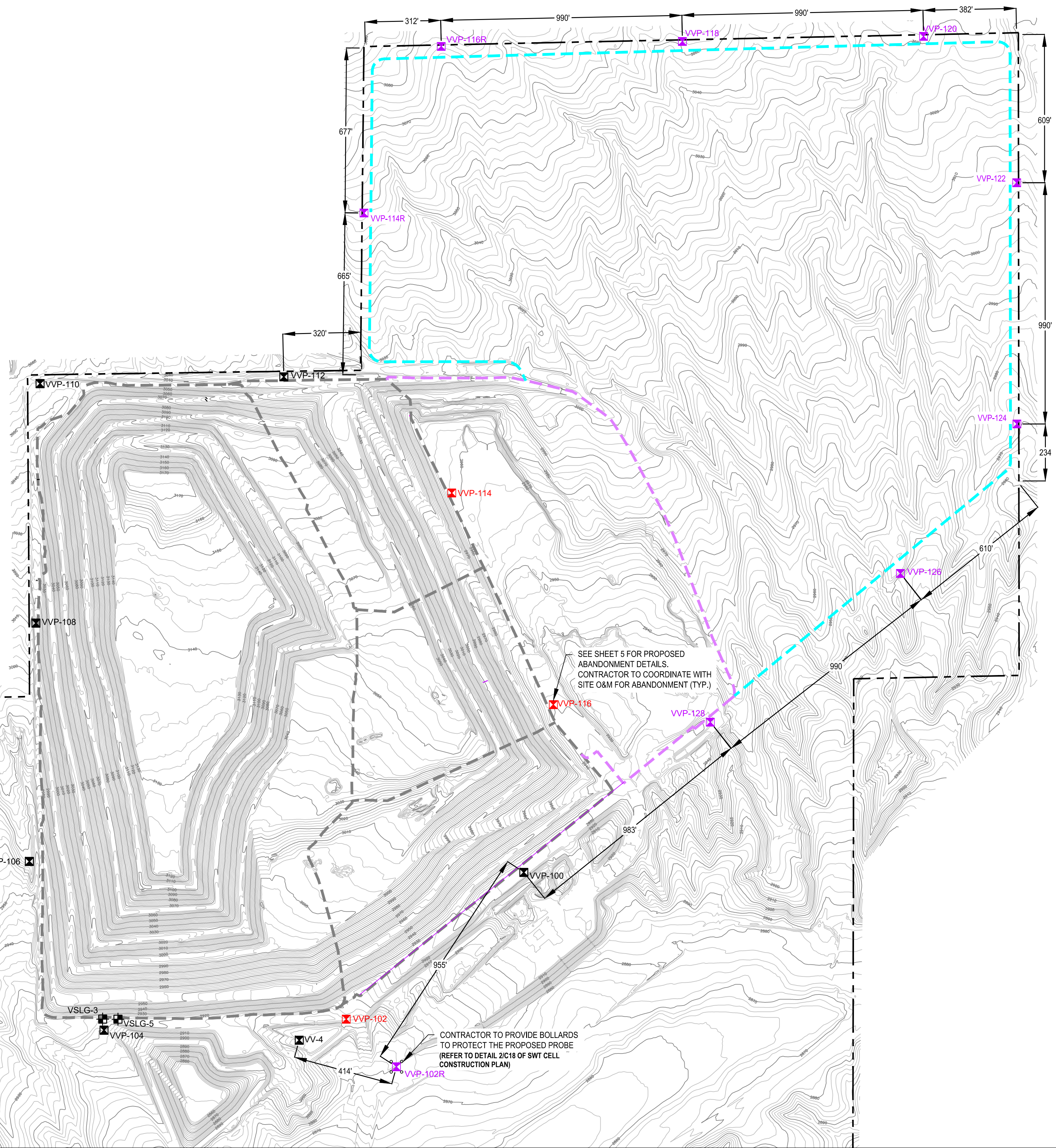
CLIENT: SAN BERNARDINO COUNTY

SCS ENGINEERS ENVIRONMENTAL CONSULTANTS
 8750 BALBOA AVENUE SUITE 280
 SAN DIEGO, CA 92123
 (858) 571-5500 FAX (562) 427-0805
 PROJ. NO. 07224163.25
 DES. BY: ES/SO
 APP. BY: RHH
 TSK. BY: SV
 CHK. BY: RHH

DATE: 02-27-2026
SCALE: AS SHOWN
SHEET: 2

F:\Engineers\San Bernardino County\Victorville LF\2025 VSL Perimeter Probe Reprint Project\04-Design Revisions\DWG\Victorville_2025 Perim Probe Reprint_Rev1.0_2026-02-27_For Permitting.dwg Mar 10, 2026 - 14:3pm By: eshwartz

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LEGEND

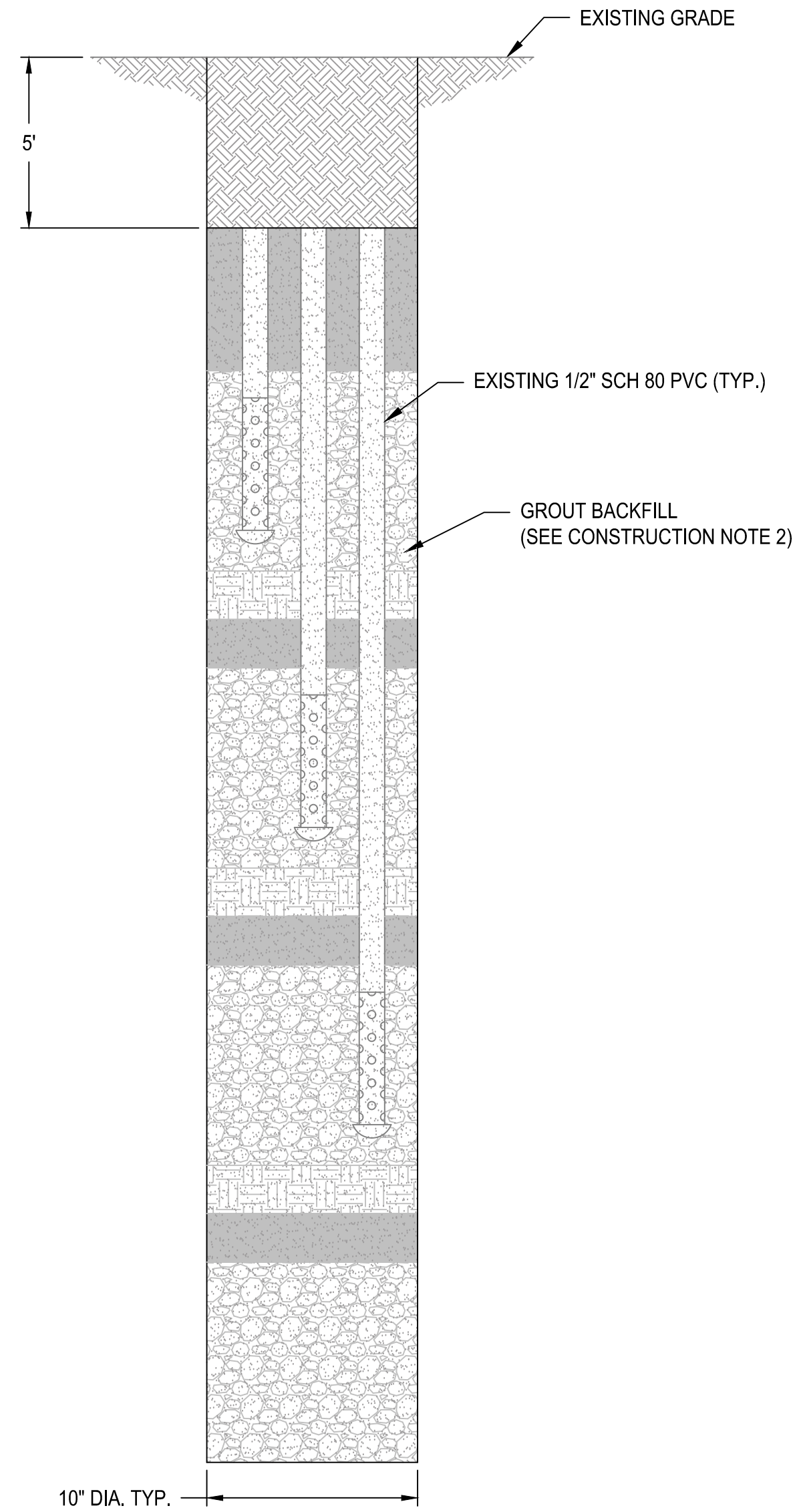
- EXISTING SOIL-PORE GAS MONITORING PROBE
- EXISTING LANDFILL GAS PERIMETER PROBE
- PROPERTY LINE
- EXISTING CELL LIMITS
- PROPOSED CELL LIMITS
- PROPOSED CELL LIMITS (INTERIM EXPANSION)
- PROPOSED CELL LIMITS (FINAL EXPANSION)
- PROPOSED LANDFILL GAS PERIMETER PROBE (INTERIM EXPANSION)
- PROPOSED LANDFILL GAS PERIMETER PROBE (FINAL EXPANSION)
- PROPOSED LANDFILL GAS PERIMETER PROBE ABANDONMENT

- NOTES:**
- EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN WAS PROVIDED BY SAN BERNARDINO COUNTY. AERIAL PHOTOGRAPHY DATED JULY 3, 2025.
 - NORTH ARROW, THE GRID, AND THE COORDINATES SYSTEM SHOWN HERE ARE REFERENCED TO THE CALIFORNIA STATE PLANE ZONE V COORDINATE SYSTEM, NAD 83.
 - LOCATIONS DEPICTED FOR THE EXISTING COMPONENTS PROVIDED BY SAN BERNARDINO COUNTY, DATED 2009.
 - THE LOCATIONS OF ANY EXISTING PIPING, VALVES, AND OTHER TIE-IN LOCATIONS ARE APPROXIMATE. ACTUAL FIELD CONDITIONS MAY VARY.

**- FINAL PLAN -
REVIEW AND PERMITTING PURPOSES ONLY**

DATE	
REVISION	
NO.	
SHEET TITLE:	PROPOSED PERIMETER LANDFILL GAS MONITORING WELL NETWORK
PROJECT TITLE:	LANDFILL GAS MONITORING PROBE PLAN VICTORVILLE SANITARY LANDFILL VICTORVILLE, CA
CLIENT:	SAN BERNARDINO COUNTY
SCALE:	AS SHOWN
SHEET:	3
DATE:	02-27-2026
SCALE:	AS SHOWN
SHEET:	3
PROJECT NO:	07224163.25
DRAWN BY:	ES/SO
CHECKED BY:	RHH
SCALE:	AS SHOWN
DATE:	02-27-2026
SCALE:	AS SHOWN
SHEET:	3
PROJECT NO:	07224163.25
DRAWN BY:	ES/SO
CHECKED BY:	RHH
SCALE:	AS SHOWN
DATE:	02-27-2026
SCALE:	AS SHOWN
SHEET:	3

F:\Engineers\San Bernardino County\Victorville LF\2025 VSL Perimeter Probe Reprint\Project\04-Design Revisions\DWG\Victorville_2025 Perim Probe Reprint_Rev1.0_2026-02-27_For Permitting.dwg Mar 12, 2026 - 4:3pm By: eshwartz




TYPICAL PROBE DETAIL
NOT TO SCALE

PROBE ABANDONMENT TABLE			
PROBE ID	SHALLOW (FT.)	MEDIUM (FT.)	DEEP (FT.)
VVP-102	10	78	156
VVP-114	10	37	74
VVP-116	Abandoned	35	70

CONSTRUCTION NOTES:

1. THE PRIMARY PURPOSE OF DECOMMISSIONING ACTIVITIES IS TO PERMANENTLY DECOMMISSION THE BOREHOLE OR MONITORING DEVICE SO THAT THE NATURAL MIGRATION OF GROUNDWATER OR SOIL VAPOR IS NOT SIGNIFICANTLY INFLUENCED.
2. PERIMETER PROBES WITHIN THE WELL TO BE DECOMMISSIONED SHALL BE ABANDONED BY PRESSURE GROUTING USING CEMENT GROUT TO PREVENT VERTICAL MIGRATION OF LANDFILL GAS. GROUT WILL BE INJECTED UNDER A PRESSURE OF APPROXIMATELY 20-25 PER SQUARE INCH (PSI), AND THE UPPER FIVE FEET OF THE EXISTING PROBE CASING WILL BE DRILLED OUT AND REMOVED.
3. SCS ENGINEERS HAS UTILIZED THE AVAILABLE RECORDS FOR THE EXISTING LFG PROBES TO PROVIDE THE CONTRACTOR WITH SUFFICIENT INFORMATION TO ESTIMATE THE COST OF THE PROJECT. WHERE THE BOREHOLE DIAMETER IS UNAVAILABLE, THE CONTRACTOR SHALL ASSUME THE BOREHOLE DIAMETER IS 10-INCHES.

**- FINAL PLAN -
REVIEW AND PERMITTING PURPOSES ONLY**

NO.	REVISION	DATE	
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SHEET TITLE: DETAIL SHEET		PROJECT TITLE: LANDFILL GAS MONITORING PROBE PLAN VICTORVILLE SANITARY LANDFILL VICTORVILLE, CA	
			
CLIENT: SAN BERNARDINO COUNTY			
DATE:	02-27-2026		
SCALE:	AS SHOWN		
SHEET:	5		
DRAWN BY:	ER/SO	CHK. BY:	RHH
PROJECT NO:	07224163.25		
SCALE FILE:	F:\ENGINEERS		
APP. BY:	SV	CHK. BY:	SV