

**Changed Pages**

**Part III, Appendix III-G.1**

**Landfill Gas Management Plan Figures**

**Part III  
Attachment III-G  
Appendix III-G.1**

**LANDFILL GAS MANAGEMENT PLAN FIGURES**

**Pescadito Environmental Resource Center  
MSW No. 2374  
Webb County, Texas**

**PESCADITO**  
ENVIRONMENTAL RESOURCE CENTER

Initial Submittal March 2015  
Revised September 2015  
Technically Complete March 11, 2016  
Modified October 2016  
**Modified August 2017**

**Prepared for:**  
Rancho Viejo Waste Management, LLC  
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Laredo, TX 78041

**Prepared by:**  
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*Michael W. Oden*


*8-15-2017*

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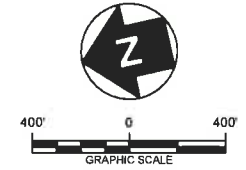
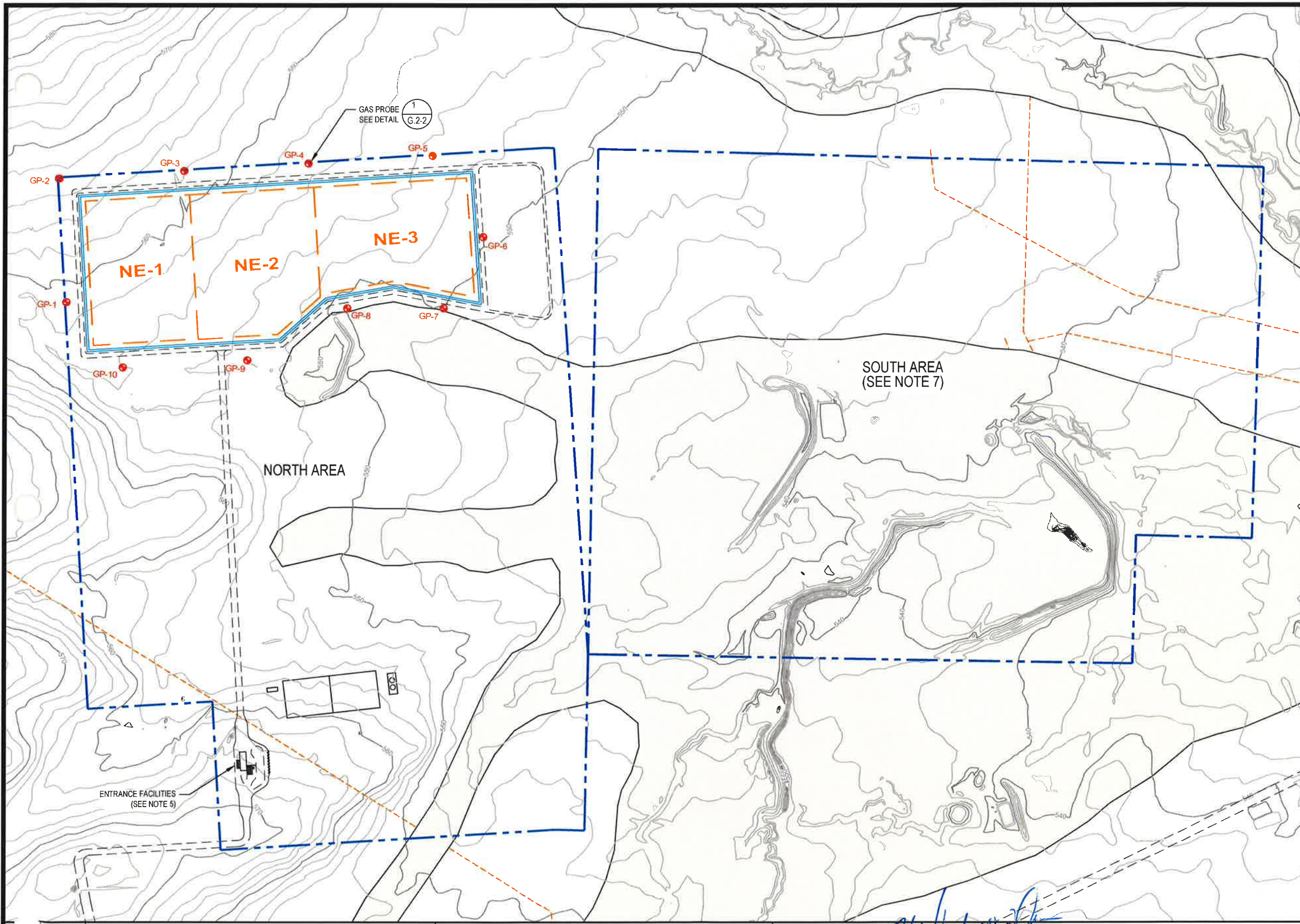
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**LEGEND**

- PERMIT BOUNDARY
- WASTE UNIT BOUNDARY
- PERIMETER DITCH
- PERIMETER ACCESS ROAD
- PIPELINE EASEMENT CENTERLINE
- GP-1 GAS PROBE LOCATION
- 100-YEAR FLOODPLAIN (PER FIRM DATED APRIL 2, 2008, SEE NOTE 6)

**NOTES**

1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY DALLAS AERIAL SURVEYS ON FEBRUARY 15, 2010.
2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
3. THE NEED FOR FLEXIBILITY TO ACCOMMODATE ADJUSTMENTS AND MODIFICATIONS IS ANTICIPATED CONSIDERING THE SIZE, COMPLEXITY, AND LIFE OF THE PROJECT.
4. GAS PROBES WILL BE INSTALLED AS CELLS ARE CONSTRUCTED SO THAT A PROBE EXISTS AT LEAST 1000 FEET FROM WASTE.
5. SCALE HOUSE TO HAVE PERMANENT MONITOR.
6. 100-YEAR FLOODPLAIN FROM FLOOD INSURANCE RATE MAP FOR WEBB COUNTY, TEXAS, MAP NO. 48479C1275C, DATED APRIL 2, 2008. A CLOMR THAT WOULD REMOVE A LARGE AREA OF THE 100-YEAR FLOODPLAIN WITHIN THE PERMIT BOUNDARY WAS APPROVED BY FEMA ON NOVEMBER 21, 2014; HOWEVER, THE CLOMR IMPROVEMENTS HAVE NOT BEEN CONSTRUCTED.
7. FUTURE WASTE PROCESSING OR DISPOSAL AREA SUBJECT TO PERMIT MODIFICATION OR AMENDMENT.

LANDFILL GAS PROBE INSTALLATION SCHEDULE	
PRIOR TO PLACING WASTE IN CELL	INSTALL PROBE / VENT
NE - 1	GP-1, 4, 9, 10
NE - 2	GP-5, 7, 8
NE - 3	GP-6

REV. NO.	DATE	DESCRIPTION
2	08/2017	REVISED WASTE UNIT BOUNDARY AND PROBE LOCATIONS
1	10/2016	ADDED CELL LAYOUT AND INSTALLATION SCHEDULE

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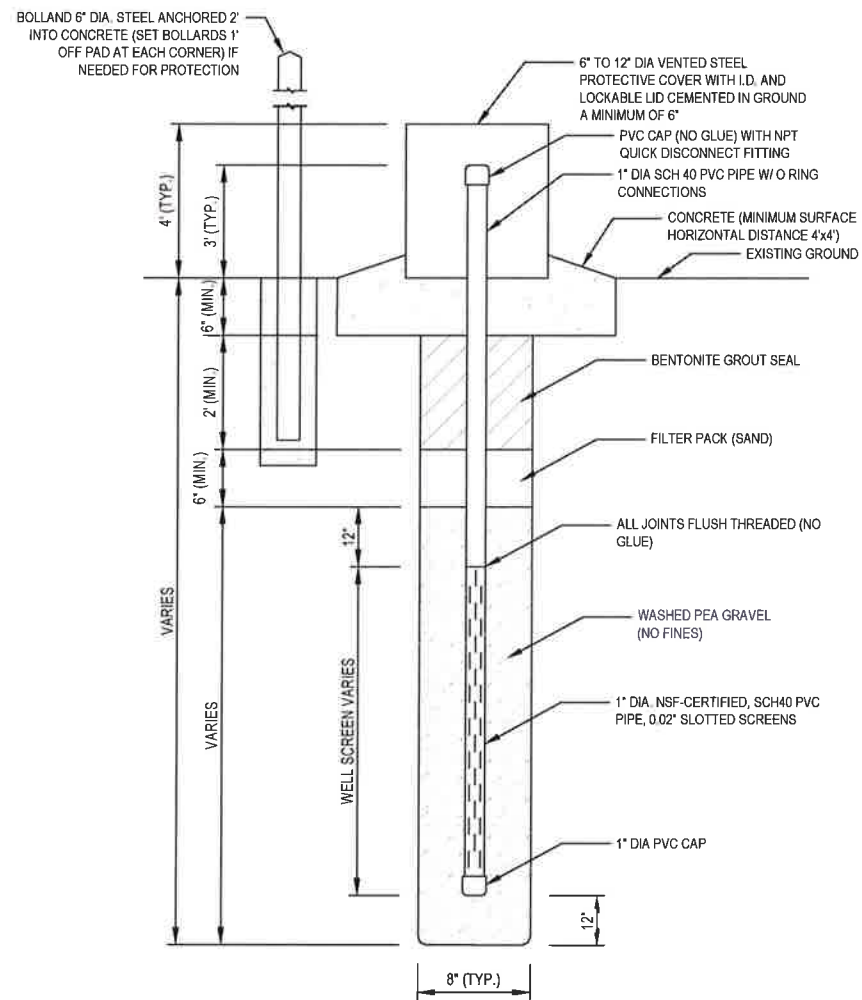


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 8-15-2017

**PESCADITO ENVIRONMENTAL RESOURCE CENTER  
 WEBB COUNTY, TEXAS  
 MSW 2374**

**LANDFILL GAS MONITORING PLAN**

PROJ. NO.:	148868	DATE:	AUGUST 2017
DESIGNED BY:	--	DRAWING NO.:	<b>III</b>
DRAWN BY:	MTE		<b>G.1-1</b>
CHECKED BY:	RDS		1 OF 2 SHEETS
APPROVED BY:	MWO		



1  
G.2-2

**PROBE DETAIL**

NOT TO SCALE

**NOTES:**

- FOR EACH PROBE LOCATION, FOUR PROTECTIVE BARRIER PIPES (BOLLARD) MAY BE USED IF NEEDED FOR PROTECTION. THE PROTECTIVE PIPES WILL BE 6" IN DIAMETER AND SET 2' INTO CONCRETE.
- CONSTRUCTION SPECIFICATIONS MAY VARY BASED ON FIELD DATA AND OBSERVATIONS DURING INSTALLATION OF PROBES.

**GAS PROBE SUMMARY TABLE**

Name	Northing	Easting	Ground Surface Elevation (ft. MSL)	Depth to Liner (ft)
GP-1	17099346.56	772942.91	558.97	98.97
GP-2	17099182.79	773929.41	567.18	107.18
GP-3	17098195.81	773768.56	562.01	105.01
GP-4	17097208.83	773607.72	556.67	101.67
GP-5	17096221.85	773446.87	553.37	98.37
GP-6	17095968.89	772716.39	560.31	105.31
GP-7	17096404.92	772225.65	549.72	94.72
GP-8	17097161.44	772397.38	549.99	94.99
GP-9	17098036.49	772164.65	552.45	95.45
GP-10	17099023.00	772328.39	556.00	96.00

REV. NO.	DATE	DESCRIPTION
2	08/2017	UPDATED SCHEDULE, REMOVED VENT
1	09/2015	NOD 1



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 8-15-2017

**PESCADITO ENVIRONMENTAL RESOURCE CENTER  
 WEBB COUNTY, TEXAS  
 MSW 2374**

TYPICAL GAS PROBE

PROJ. NO.: 148866	DATE: AUGUST 2017
DESIGNED BY: -	DRAWING NO. III
DRAWN BY: MTE	<b>G.1-2</b>
CHECKED BY: RDS	2 OF 2 SHEETS
APPROVED BY: MWO	