

LEGEND

- PERMIT BOUNDARY
- WASTE UNIT BOUNDARY
- PERIMETER DITCH
- PERIMETER ACCESS ROAD
- PIPELINE EASEMENT CENTERLINE
- GP-1 GAS PROBE LOCATION
- UV-1 UTILITY VENT LOCATION
- CLOMR 100-YEAR FLOODPLAIN

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. FOR UTILITY VENT SEE DETAIL 2 OF DRAWING G.2-2. UTILITY VENTS TO BE INSTALLED AT PROPERTY LINE WHEN WASTE IS WITHIN 1,000 FEET, UNLESS PIPELINE HAS BEEN ABANDONED AND REMOVED.
5. GAS PROBES WILL BE INSTALLED AS CELLS ARE CONSTRUCTED SO THAT A PROBE EXISTS AT LEAST 1000 FEET FROM WASTE.
6. SCALE HOUSE TO HAVE PERMANENT MONITOR.

REV. NO.	DATE	DESCRIPTION

CB&I Environmental & Infrastructure, Inc.
TBPE FIRM F-5650

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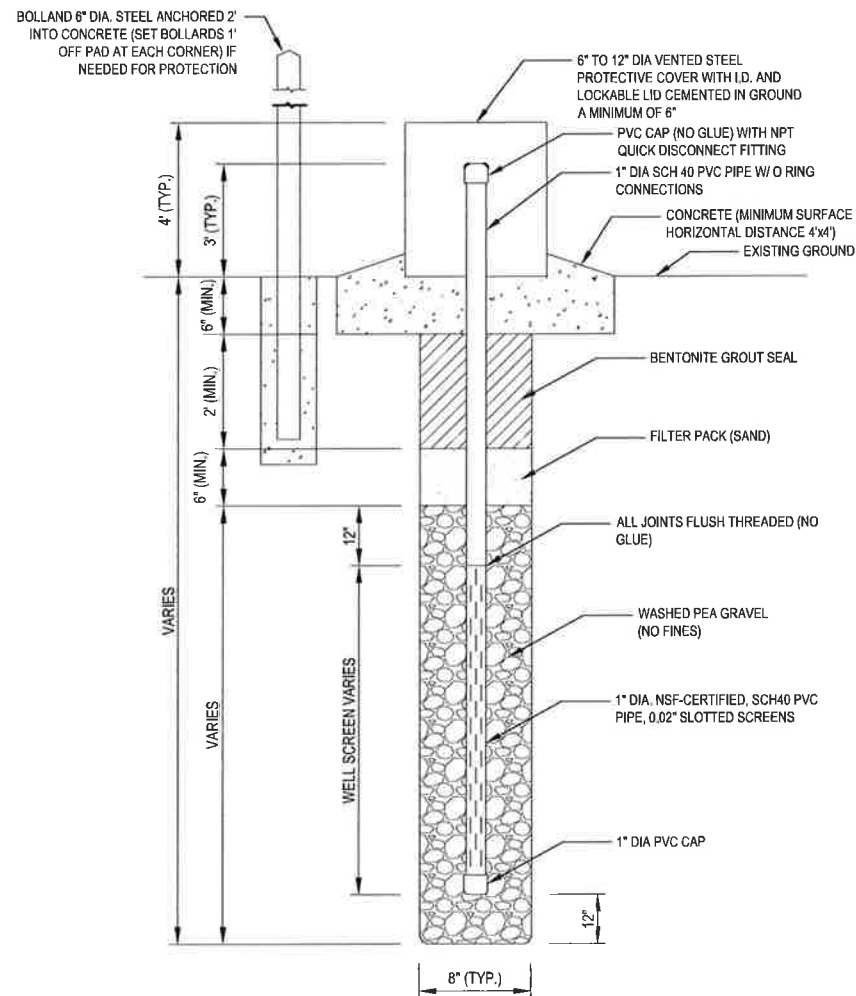


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3-2-2015

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

LANDFILL GAS MONITORING PLAN

PROJ. NO.:	148866	DATE:	MARCH 2015
DESIGNED BY:	-	DRAWING NO.:	III
DRAWN BY:	MTE		G.1-1
CHECKED BY:	RDS		1 OF 2 SHEETS
APPROVED BY:	MWO		



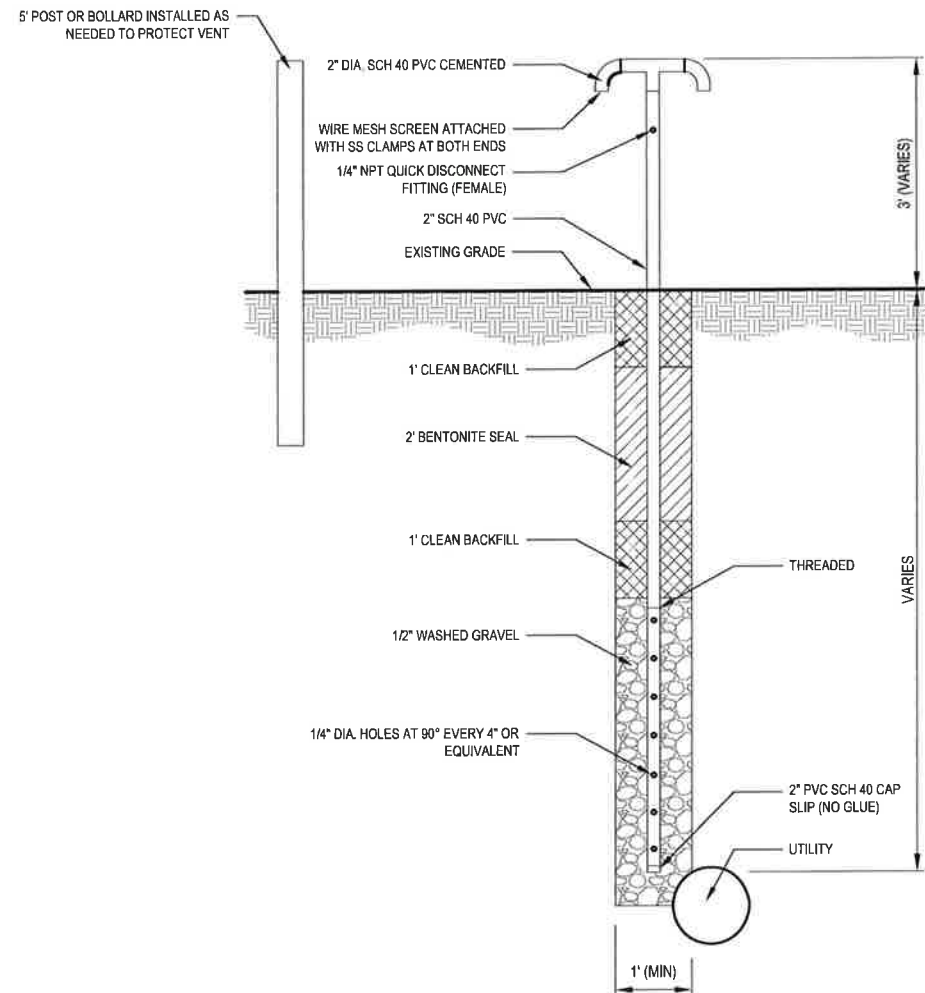
1
G.2-2

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.



2
G.2-2

UTILITY VENT

NOT TO SCALE

NOTES:

- LOCATE UTILITY PRIOR TO INSTALLATION.
- MAKE SURE GRAVEL PACK IS IN CONTACT WITH UTILITY.
- OBTAIN APPROVAL FROM UTILITY/OWNER PRIOR TO INSTALLATION.

GAS PROBE AND UTILITY VENT SUMMARY TABLE

Name	Northing	Easting	Ground Surface Elevation (ft MSL)	Depth to Liner (ft)
GP-1	17099182.79	773929.40	567.17	109.17
GP-2	17098196.04	773767.14	562.01	104.65
GP-3	17097209.30	773604.87	556.65	100.66
GP-4	17096222.61	773442.24	553.36	98.73
GP-5	17095268.11	773286.09	550.78	98.84
GP-6	17094299.16	773037.50	548.85	101.13
GP-7	17093330.29	772788.08	547.49	102.75
GP-8	17092362.10	772539.66	545.38	103.61
GP-9	17091393.36	772291.60	542.95	104.16
GP-10	17090424.53	772042.41	539.95	101.95
GP-11	17089402.46	771563.46	535.98	97.98
GP-12	17089053.48	770595.48	537.19	98.66
GP-13	170890304.50	769627.49	533.20	94.00
GP-14	17089792.82	769061.52	536.03	96.39
GP-15	170891478.20	768831.38	537.66	97.76
GP-16	170891984.47	768293.13	537.94	97.94
GP-17	170892955.54	768531.90	542.05	99.95
GP-18	170893926.62	768770.66	541.26	96.76
GP-19	170894897.70	769009.43	540.00	93.11
GP-20	170895868.77	769248.20	543.89	93.93
GP-21	170896863.74	769346.88	548.18	96.24
GP-22	170897838.72	769179.56	558.01	103.19
GP-23	17089758.79	769504.46	557.76	100.97
GP-24	17089647.68	769668.70	561.02	103.02
GP-25	17089744.84	770543.72	560.85	102.85
GP-26	17089604.33	771390.13	567.17	109.17
GP-27	17089463.81	772236.55	559.13	101.13
GP-28	17089323.30	773082.97	559.95	101.95
UV-1	17089775.36	770420.96	561.07	-
UV-2	170897428.98	768078.20	548.94	-
UV-3	170892309.92	772538.52	545.27	-
UV-4	170891552.80	772343.96	543.42	-
UV-5	17089030.26	770645.16	537.37	-
UV-6	170890131.46	770254.93	536.00	-
UV-7	170891436.21	768954.59	537.61	-
UV-8	170892297.69	768359.84	538.94	-



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WEBB COUNTY, TEXAS
MSW 2374**

LINER AND LEACHATE COLLECTION DETAILS

PROJ. NO.:	148866	DATE:	MARCH 2015
DESIGNED BY:	-	DRAWING NO.:	III
DRAWN BY:	MTE		G.1-2
CHECKED BY:	RDS		2 OF 2 SHEETS
APPROVED BY:	MWO		