

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

**GROUNDWATER MONITORING PLAN FIGURES**

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



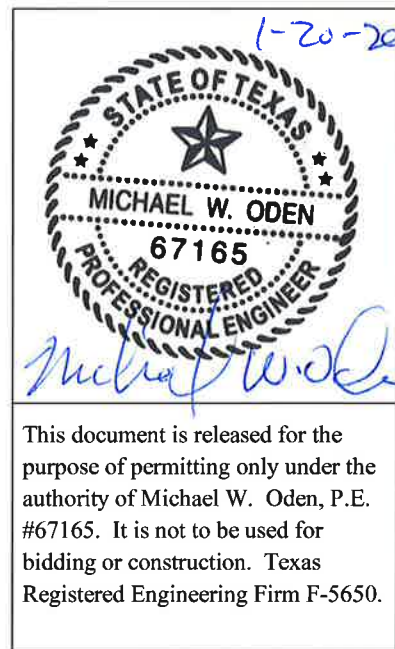
**Initial Submittal March 2015  
Revised September 2015  
Revised November 2015  
Revised January 2016**

**Prepared for:  
Rancho Viejo Waste Management, LLC  
1116 Calle del Norte  
Laredo, TX 78041**

**Prepared by:  
CB&I Environmental and  
Infrastructure, Inc.**

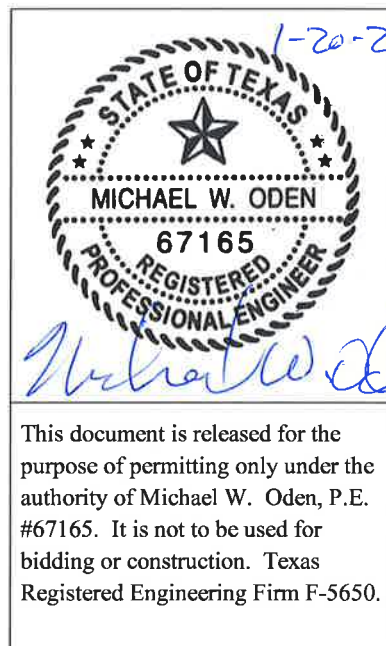


**12005 Ford Rd, Suite 600  
Dallas, TX 75234**

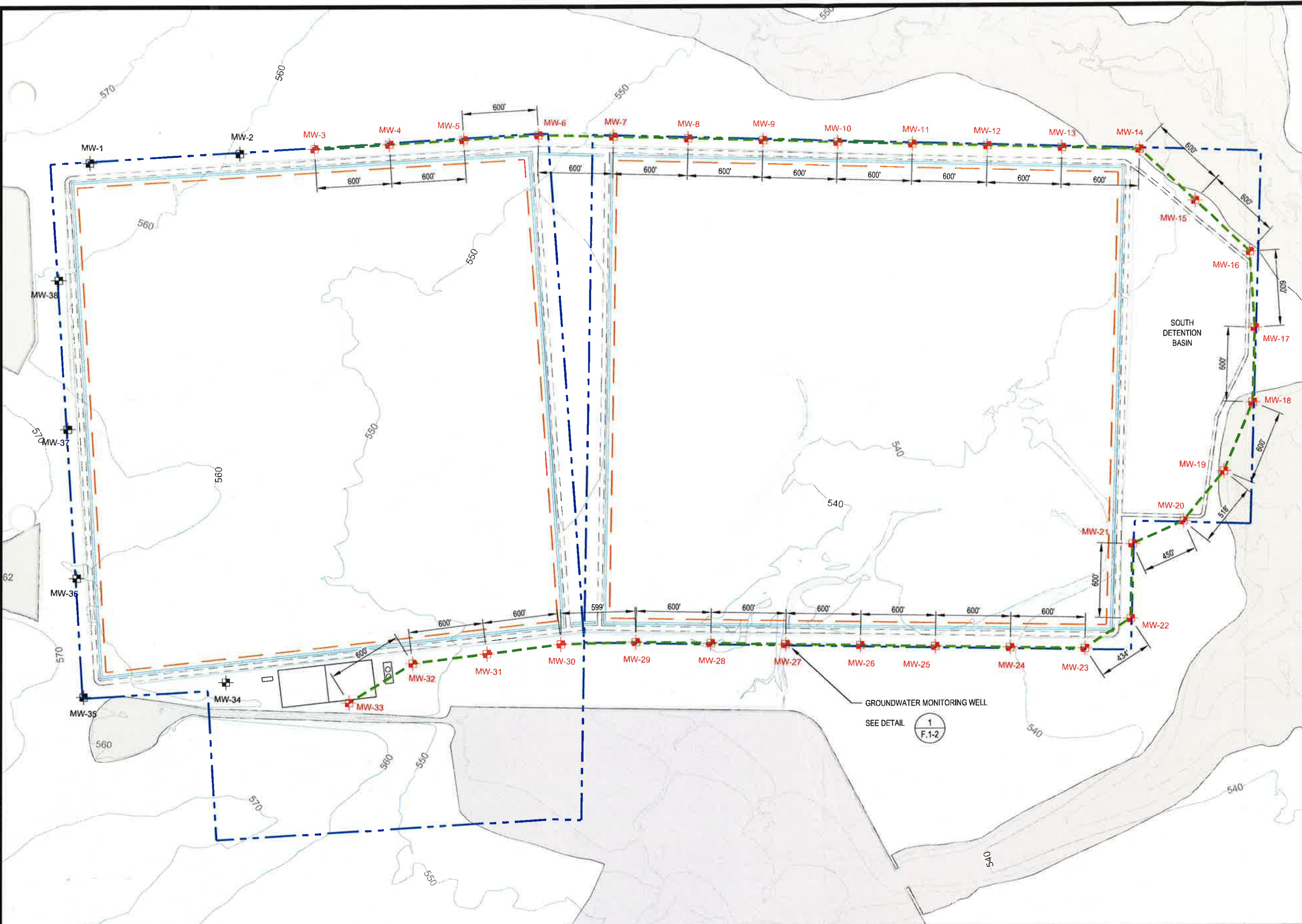


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**LEGEND**

- PERMIT BOUNDARY
- WASTE UNIT BOUNDARY
- PERIMETER DITCH
- PERIMETER ACCESS ROAD
- + MW-1 GROUNDWATER MONITORING WELL (UPGRADIENT)
- + MW-10 GROUNDWATER MONITORING WELL (DOWNGRADIENT)
- CLOMR 100-YEAR FLOODPLAIN
- POINT OF COMPLIANCE (P.O.C.)

- 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. MW-3 TO MW-33 ARE DOWNGRADIENT ALONG P.O.C.
  5. MW-1, MW-2, AND MW-34 TO MW-38 ARE UPGRADIENT.

REV. NO.	DATE	DESCRIPTION
2	11/2015	NOD 2
1	9/2015	NOD 1

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

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11-6-2015

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*Michael W. Oden*

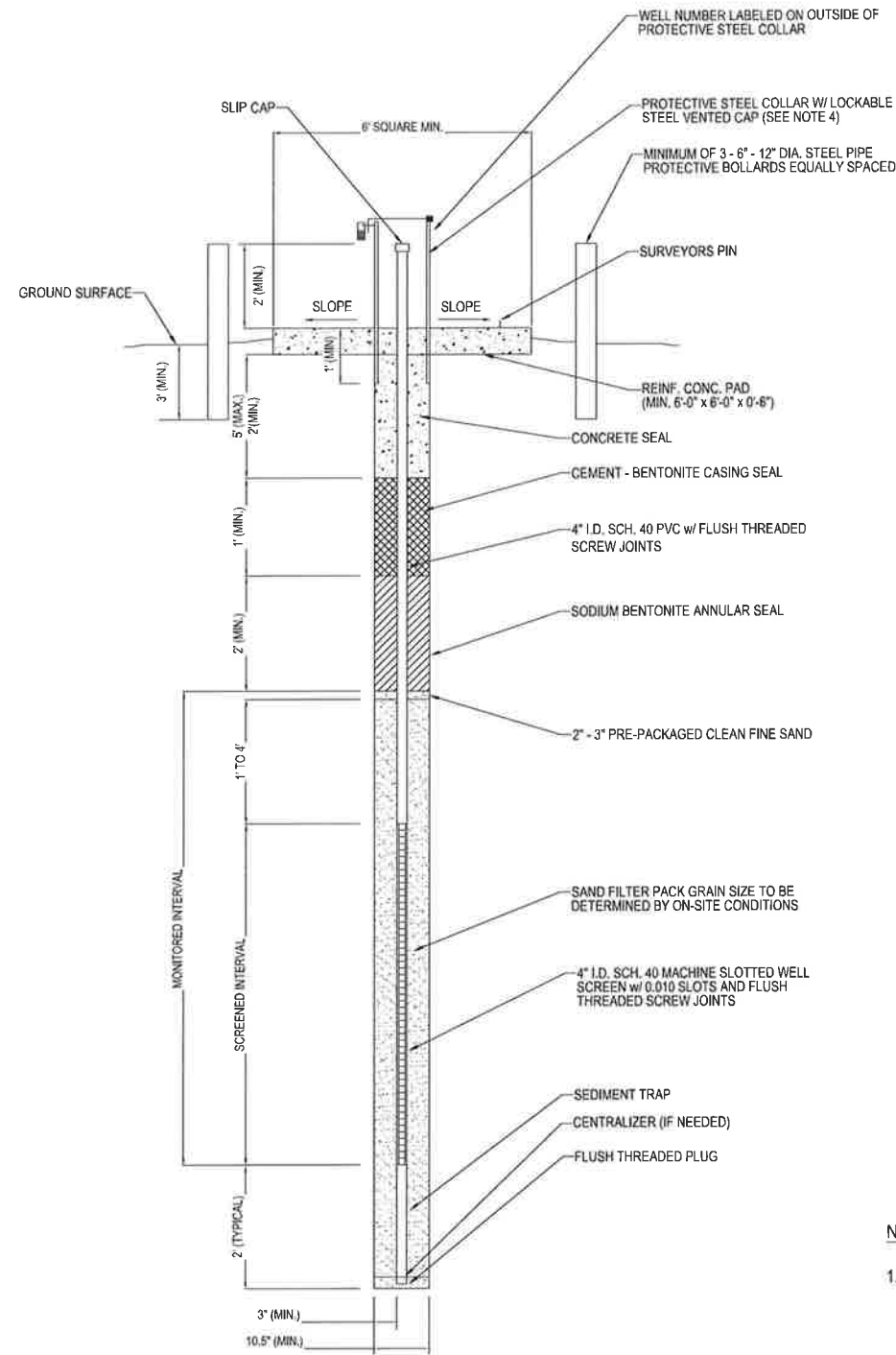
**PESCADITO ENVIRONMENTAL RESOURCE CENTER  
 WEBB COUNTY, TEXAS  
 MSW 2374**

**GROUNDWATER MONITORING SYSTEM PLAN**

PROJ. NO.:	148866	DATE:	APRIL 2015
DESIGNED BY:	-	DRAWING NO.:	<b>III</b>
DRAWN BY:	MTE		<b>F.1-1</b>
CHECKED BY:	RDS		
APPROVED BY:	MWO		1 OF 2 SHEETS

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**1**  
F.1-2  
**TYPICAL GROUNDWATER MONITORING WELL**  
NOT TO SCALE

**NOTES:**

1. MONITORING WELL INSTALLATION SHALL CONFORM TO METHODS AND MATERIALS DESCRIBED IN APPLICABLE REGULATIONS OF TCEQ.
2. PTFE TAPE OR O-RINGS ON ALL JOINTS.
3. MONITORED INTERVAL TO BE FROM 9' BELOW GROUND SURFACE TO THE DEEPEST SUMP EXCAVATION ELEVATION NEAREST TO THE WELL.
4. PROTECTIVE COLLAR AND CAP MAY BE STEEL OR ALUMINUM.

**GROUNDWATER MONITORING WELL SUMMARY TABLE**

Well Name	Northing	Easting	Ground Surface Elevation (ft MSL)	Depth to Liner (ft)
MW-1	17098886.69	773881.16	565.91	107.91
MW-2	17097702.31	773688.14	558.21	102.54
MW-3	17097110.12	773591.63	556.43	100.58
MW-4	17096518.07	773494.27	554.75	99.72
MW-5	17095926.02	773396.92	552.54	98.32
MW-6	17095334.01	773299.35	550.91	98.68
MW-7	17094751.01	773153.82	549.51	99.93
MW-8	17094169.73	773005.28	548.77	101.46
MW-9	17093587.67	772856.59	548.00	102.47
MW-10	17093007.29	772707.40	546.58	102.83
MW-11	17092426.17	772558.07	545.54	103.58
MW-12	17091845.05	772408.73	544.09	103.91
MW-13	17091263.93	772259.40	542.59	104.19
MW-14	17090682.81	772110.07	540.87	102.87
MW-15	17090101.69	771960.74	539.35	101.35
MW-16	17089520.57	771811.41	538.01	99.81
MW-17	17088939.45	771662.08	536.84	98.24
MW-18	17088358.33	771512.75	534.01	95.01
MW-19	17087777.21	771363.42	534.50	95.10
MW-20	17087196.09	771214.09	536.55	96.91
MW-21	17086614.97	771064.76	537.84	97.86
MW-22	17086033.85	770915.43	537.68	97.68
MW-23	17085452.73	770766.10	537.94	97.94
MW-24	17084871.61	770616.77	540.44	99.33
MW-25	17084290.49	770467.44	541.99	99.44
MW-26	17083709.37	770318.11	541.54	97.54
MW-27	17083128.25	770168.78	547.36	101.91
MW-28	17082547.13	770019.45	540.00	93.11
MW-29	17081966.01	769870.12	541.99	93.49
MW-30	17081384.89	769720.79	543.99	93.24
MW-31	17080803.77	769571.46	547.69	95.16
MW-32	17080222.65	769422.13	552.73	98.97
MW-33	17079641.53	769272.80	558.02	103.18
MW-34	17079060.41	769123.47	556.70	99.89
MW-35	17078479.29	769074.14	563.37	105.37
MW-36	17077898.17	769024.81	560.31	102.31
MW-37	17077317.05	768975.48	566.08	108.08
MW-38	17076735.93	768926.15	559.58	101.58



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1-20-2016

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

**TYPICAL GROUNDWATER MONITORING WELL DETAIL**

PROJ. NO.:	148866	DATE:	APRIL 2015
DESIGNED BY:	-	DRAWING NO.:	III
DRAWN BY:	MTE		<b>F.1-2</b>
CHECKED BY:	RDS		
APPROVED BY:	MWO		2 OF 2 SHEETS

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REV. NO.	DATE	DESCRIPTION
2	12/2015	NOD 2 SUPPLEMENT
1	11/2015	NOD 2