

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

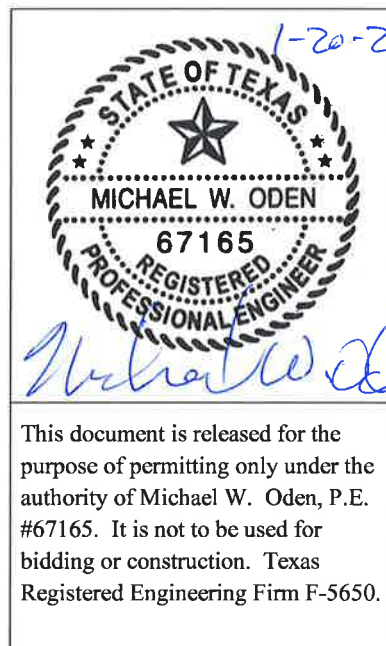
1-20-2016

A circular professional engineer seal for the State of Texas. The seal features a five-pointed star in the center, surrounded by the words "STATE OF TEXAS" and "REGISTERED PROFESSIONAL ENGINEER". The name "MICHAEL W. ODEN" and the number "67165" are also inscribed within the seal. A blue ink signature of Michael W. Oden is written across the bottom of the seal.

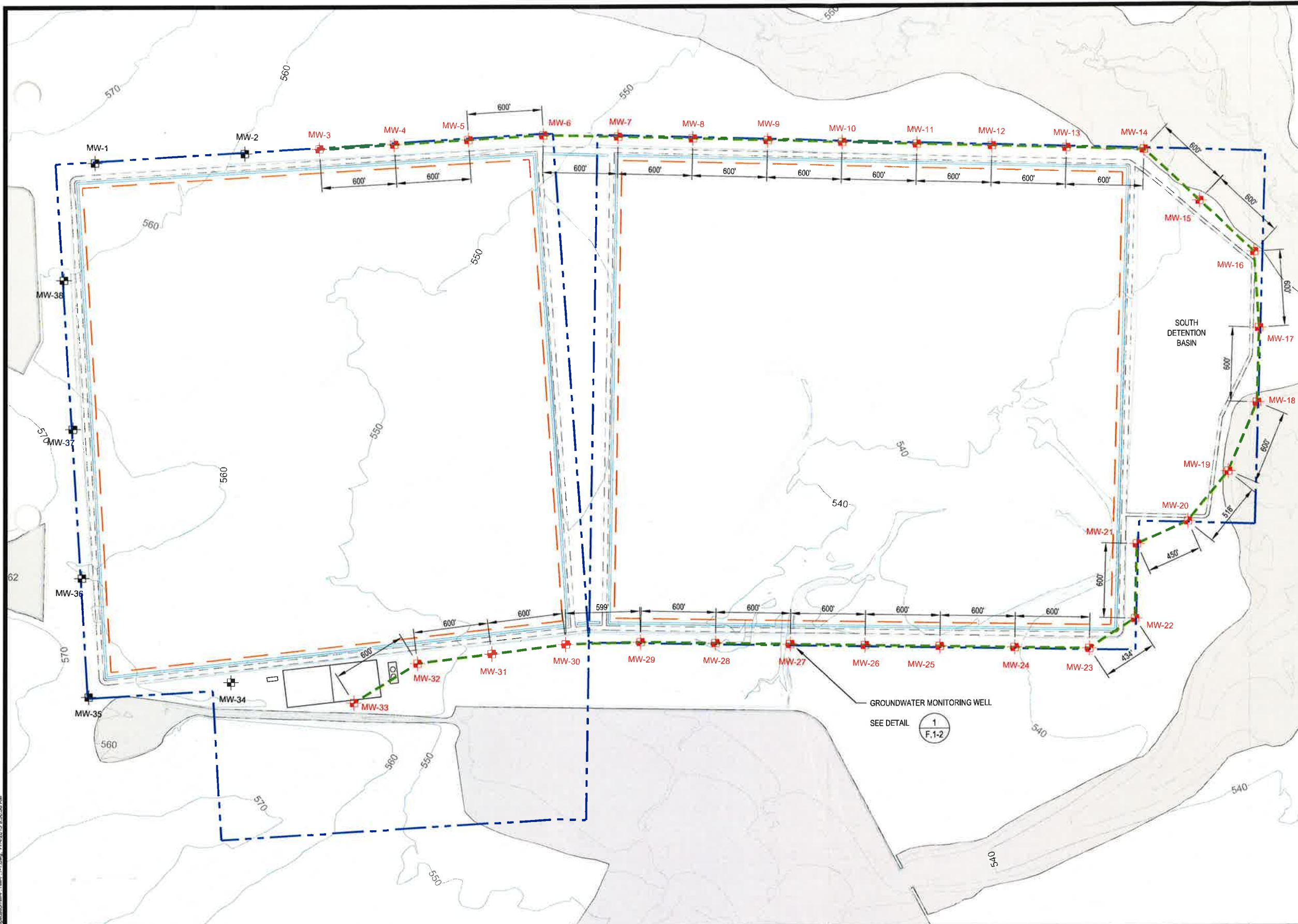
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LEGEND

- 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

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11-6-2015

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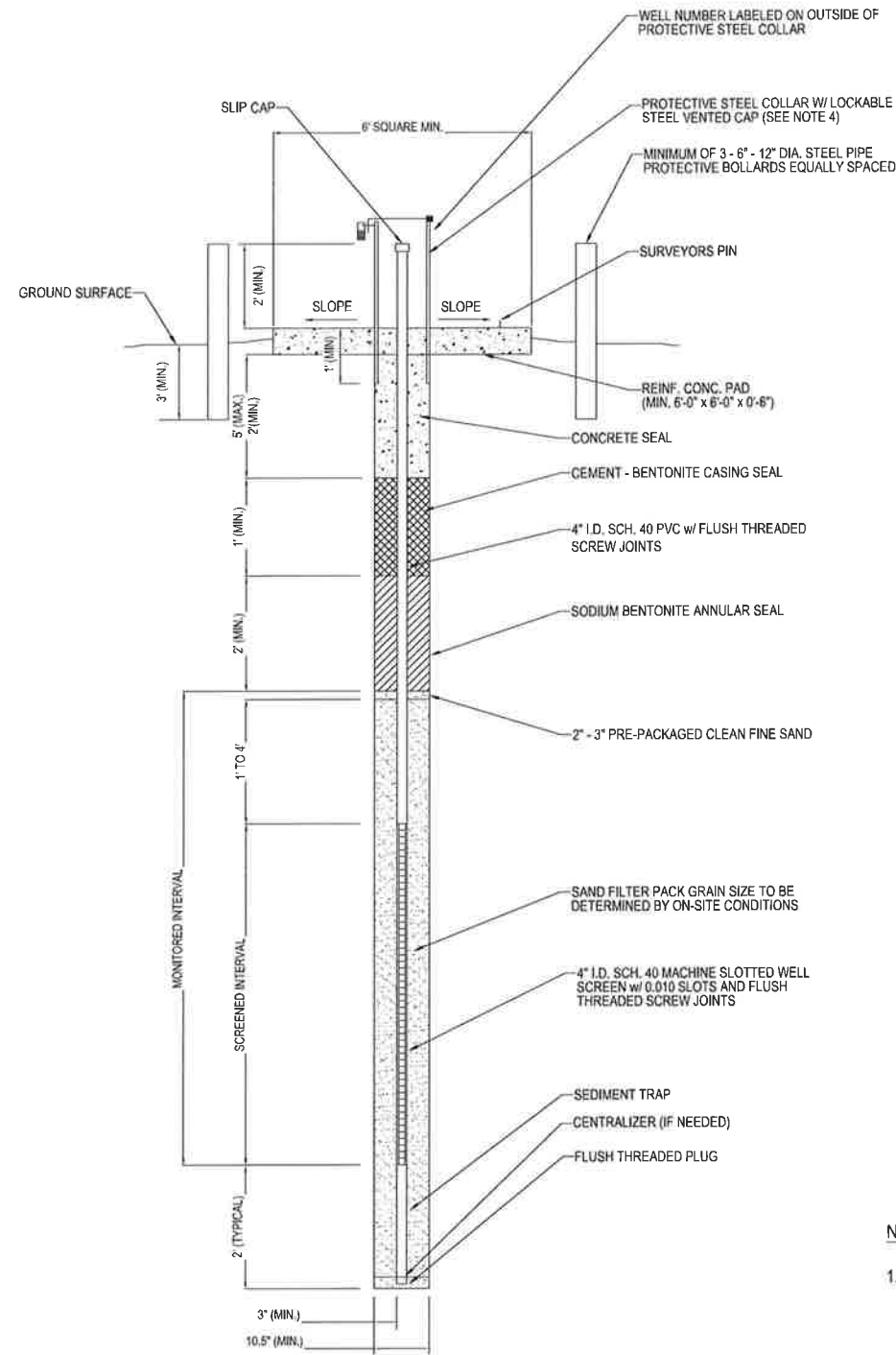
Michael W. Oden

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

GROUNDWATER MONITORING SYSTEM PLAN

PROJ. NO.:	148866	DATE:	APRIL 2015
DESIGNED BY:	-	DRAWING NO.:	III F.1-1
DRAWN BY:	MTE		
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	768924.81	560.31	102.31
MW-37	17077317.05	768775.48	566.08	108.08
MW-38	17076735.93	768626.15	559.58	101.58

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

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STATE OF TEXAS
MICHAEL W. ODEN
P.E. 67165
PROFESSIONAL ENGINEER

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1-20-2016

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TYPICAL GROUNDWATER MONITORING WELL DETAIL

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