

PML Project Time Line with Team Organization and Roles

4/4/2013

	Time Line (quarters from start)															Group/Individual Involved							
	2013			2014				2015					2016			SMB	Watek	Watek	TBD	GK	RODI	DCC	M&A
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15								
EIR Study																X							(X)
Preliminary Design																	X						(X)
Pilot Tests																		X					(X)
Intake Site Study																			X				(X)
Permitting																				X			X
Final Design																		X					(X)
Construction																					X	X	(X)
Startup																		X			X		(X)

where:

- SMB = SMB Environmental, Inc., Steve Brown, Principal
- Watek = Watek Engineering Corporation, Ben Movahed, P.E.
- TDB = to be determined
- GK = Gina Kathuria, P.E.
- RODI = RODI Systems Corp., Stan Lueck
- DCC = Don Chapin Company, Don Chapin
- M&A = Mickley & Associates, Mike Mickley, P.E., Ph.D.

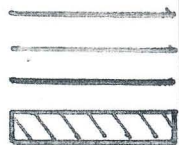
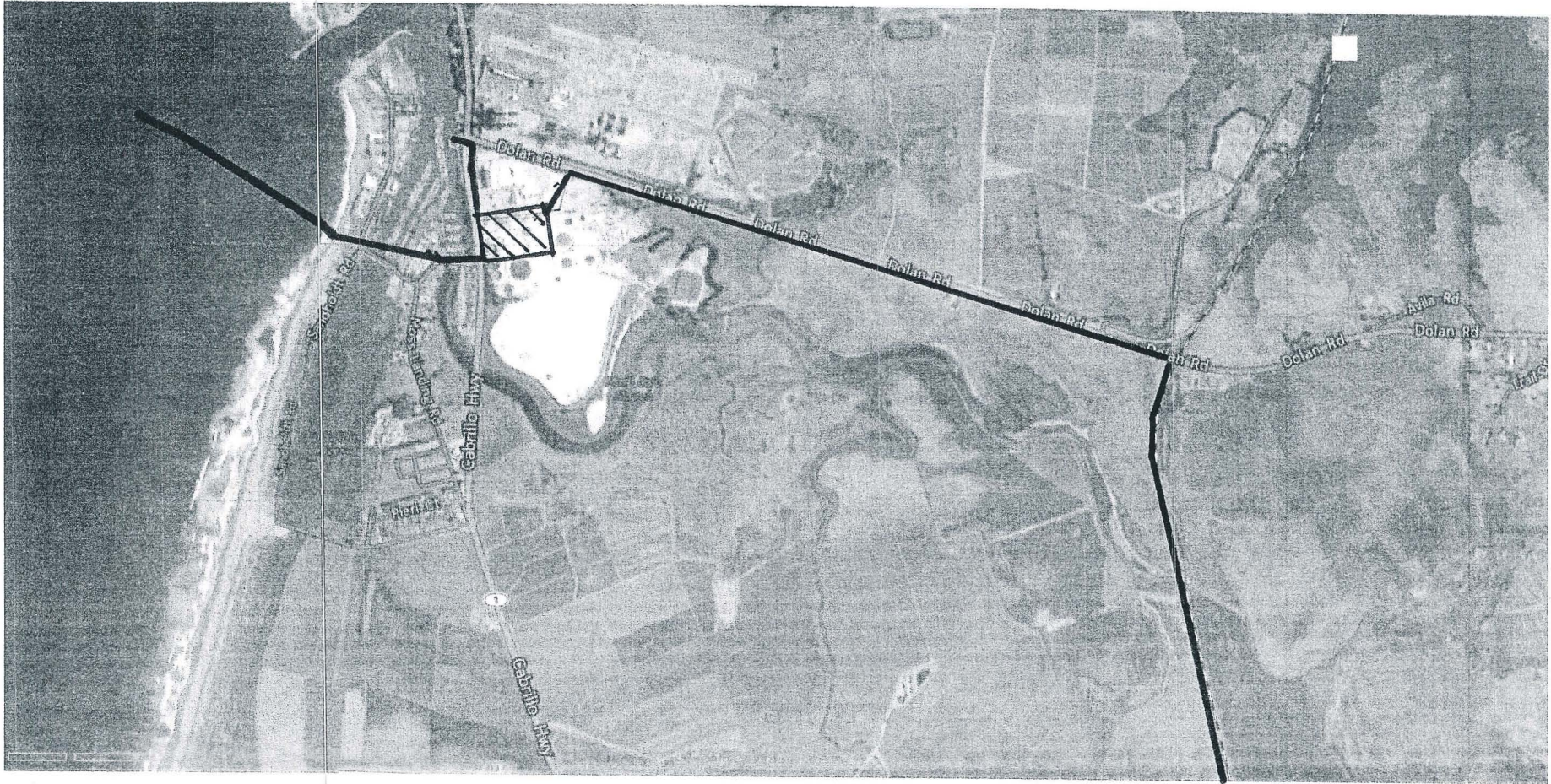
Major Area

- Environmental
- Design
- Intake site investigation
- Permitting
- Equipment, Construction
- Construction
- Technical Consultant, Permitting

Others involved:

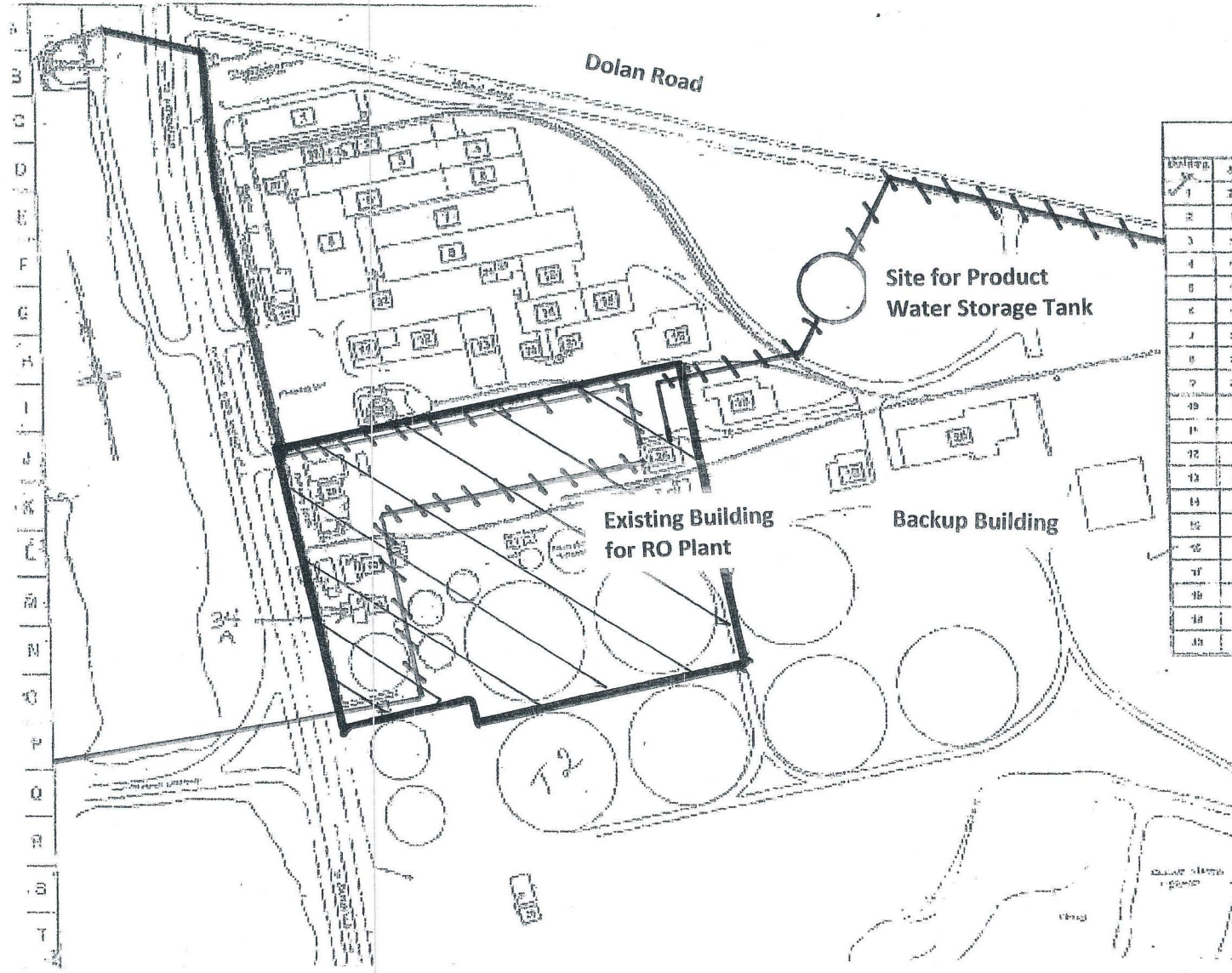
- John Miller, Structural Engineer, JAMSE Engineering, Inc.
- Paul Hart, Attorney at Law
- Ed O'Neill, Attorney at Law
- George Schroeder, Attorney at Law (RETIRED)

*Submitted by
Paul Hart at
4/16/13 committee
meeting
IDM 2*



Intake Line
 Discharge/Outfall Line
 Transmission Line
 PML Desalination Plant Site

Peoples Moss Landing Water Desal Project



BUILDINGS					
NO.	Sq. Ft.	Dimensions	NO. OF	NO. OF	Dimensions
1	20,800	60 x 340	2'	1,800	60 x 30
2	8,900	48 x 115	12	1,800	60 x 30
3	16,500	50 x 330	12	2,400	60 x 25
4	49,200	80 x 610	30	2,400	60 x 40
5	92,200	60 x 510	25	2,500	hr
6	10,500	60 x 110	20	4,200	60 x 30
7	34,000	30 x 300	30	3,000	60 x 30
8	20,000	150 x 300 + 110 x 110	20	4,200	60 x 30
9	34,000	60 x 420	30	1,700	60 x 30 + 24 x 20
10	8,500	hr	20	1,700	60 x 30
11	8,250	100 x 100 + 100 x 20	20	1,700	60 x 30
12	7,300	20 x 20 + 100 x 20	30	3,300	60 x 30
13	11,000	100 x 30	30	4,500	60 x 30 hr
14	8,500	10 x 100	20	2,100	15 x 15
15	2,000	40 x 20			
16	10,000	100 x 100 + 100 x 100			
17	2,000	hr			
18	5,000	60 x 100			
19	10,000	100 x 100 + 100 x 100			
20	10,000	hr			

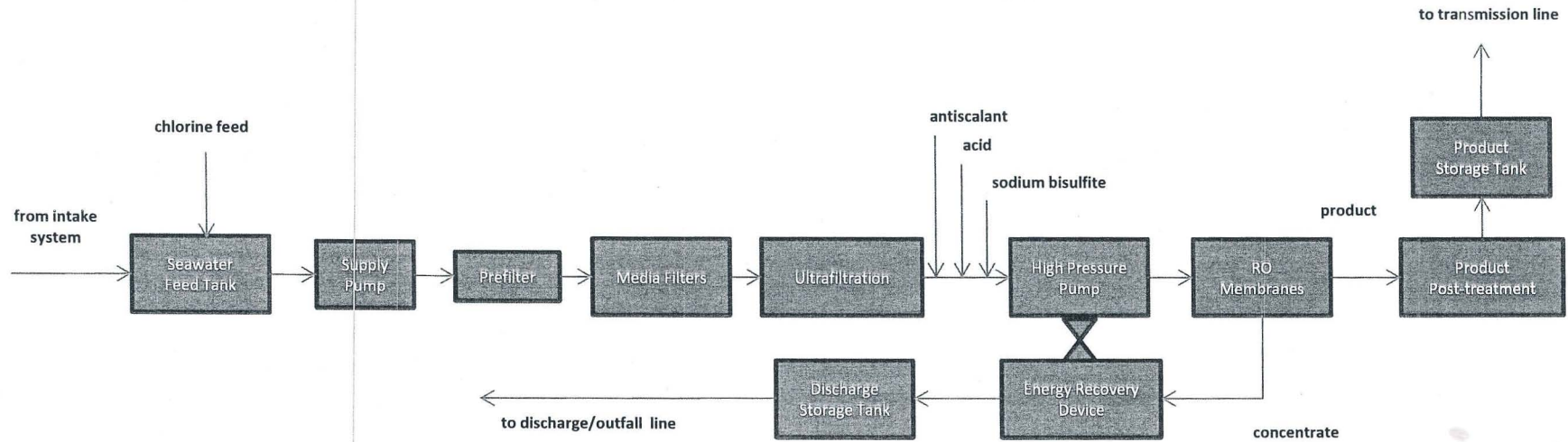
- Existing Intake Line
- New Intake Line
- Existing Discharge/Outfall Line
- New Discharge/Outfall Line
- New Transmission Line
- PML Desalination Plant Site

Peoples Moss Landing Water Desal Project

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General process flow diagram for PML Seawater RO facility

4/1/2013



Not shown:

Membrane clean-in-place system
backwash system for media filters and UF