

TO: BOARD OF DIRECTORS
FROM: MICHAEL LEBRUN *ML*
DATE: DECEMBER 3, 2009

**AGENDA ITEM
E-7
DEC 9, 2009**

ADOPT RESOLUTION OF APPRECIATION RECOGNIZING THE ACHIEVEMENTS AND SERVICES OF BRUCE BUEL, DISTRICT GENERAL MANAGER

ITEM

Consider a Resolution recognizing the achievements of District General Manager Bruce Buel.
[Recommend Approval]

BACKGROUND

Mr. Bruce Buel served the District tirelessly with an unprecedented level of commitment from February 27, 2006 until his recent retirement.

FISCAL IMPACT

None.

RECOMMENDATION

Staff recommends that the Board approve the Resolution

ATTACHMENTS

- Draft Resolution

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**NIPOMO COMMUNITY SERVICES DISTRICT
RESOLUTION 2009-**

**A RESOLUTION OF THE NIPOMO COMMUNITY SERVICES DISTRICT
COMMENDING BRUCE BUEL FOR HIS
DEDICATED SERVICE TO NIPOMO COMMUNITY SERVICES DISTRICT**

WHEREAS, Bruce Buel worked as Special Projects Manager for the Nipomo Community Services District from February 27, 2006, until September 4, 2006. On September 5, 2006, Bruce began diligently serving as General Manager of the Nipomo Community Services District; and

WHEREAS, upon arrival at the District, Bruce established a new standard for dedication and commitment to the District. By his outstanding example, Bruce has led and inspired District staff; and

WHEREAS, under the direction of Bruce Buel, the Nipomo Community Services District has successfully completed many projects that have provided benefits to all District residents; and

WHEREAS, Bruce Buel has taken the concept of building a pipeline for supplemental water from Santa Maria and turned it into a fully-developed project, with every aspect accountable to the public and the Board; and

WHEREAS, the Nipomo Community Services District commends Bruce Buel for leading the District through the LAFCo process of activating its park powers and development of the proposed Miller Park; and

WHEREAS, Mr. Buel proudly represented the Nipomo Community Services District at the local, county, state and national level; and

WHEREAS, the Nipomo Community Services District wishes to recognize Bruce Buel for his leadership, dedication and commitment.

NOW, THEREFORE, BE IT RESOLVED AND DETERMINED that the Board of Directors of the Nipomo Community Services District expresses great appreciation and gratitude to Bruce Buel for his service to Nipomo Community Services District.

The Board unanimously adopted the foregoing resolution on December 9, 2009.

James Harrison, President

Larry Vierheilig, Vice President

Michael Winn

Ed Eby

William Nelson



TO: BOARD OF DIRECTORS
FROM: MICHAEL LEBRUN *mejl*
DATE: DECEMBER 2, 2009

**AGENDA ITEM
E-8
DECEMBER 9, 2009**

WIP AND SOUTHLAND UPGRADE PROJECT UPDATE

ITEM

AECOM UPDATE REGARDING WATERLINE INTERTIE PROJECT AND SOUTHLAND WWTF UPGRADE PROJECT [NO ACTION REQUESTED].

BACKGROUND

Mike Nunley is scheduled to summarize the attached reports.

RECOMMENDATION

Staff recommends that your Honorable Board receive the presentations and ask questions as appropriate.

ATTACHMENTS

- December Reports

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Memorandum

To Michael LeBrun, Intertim General Manager – NCSD Page 1

CC Peter Sevcik, Jon Hanlon, Josh Reynolds, Jim Froelicher, Eileen Shields,
Kirk Gonzalez

Subject Waterline Intertie Project – Design Phase Status Report

From Michael K. Nunley,

Date December 2, 2009

The Project Team has completed the following work items this month:

1. AECOM coordinated and participated in a SCADA instrumentation and controls meeting with the District and the City of Santa Maria to discuss needs for the project, existing conditions, and design status.
2. AECOM submitted Budget Revision Request #8 to the District on December 1, 2009.
3. AECOM updated the project schedule.
4. NCSD received project exemption confirmation from the Air Pollution Control District for the Naturally Occuring Asbestos program.
5. AECOM continued work on the 90% plans and specifications for Bid Packages #3 (Blosser Road Pipeline and Flow Meter) and #4 (Joshua Street Pump Station and Reservoir and Chloramination Systems).
6. AECOM visited the Sundale Well Site with the District Engineer to survey damage and discuss improvement plans.

Schedule

The Project Schedule is attached.

Budget Status

AECOM submitted Budget Revision Request #8. Invoice processing is pending District Review and approval of the budget revision.

Yours Sincerely



Michael K. Nunley, PE

Enclosures: Design Budget and Invoice Summary; Project Budget Summary; and Project Schedule

Item	Description	Budgeted Amount May 2008 PER	Updated Amount 17-Mar-09	Updated Amount 22-Apr-09 Concept Design Report	Updated Amount date 60% Design Plans
1	Mobilization	\$580,000	\$580,000	\$607,000	\$706,800
2	Blosser Extension (18-in)	\$1,247,000	\$1,247,000	\$1,129,000	\$1,148,800
3	Pump Station No. 1 turnout & meter (Blosser Rd)	\$61,000	\$61,000	\$158,000	\$166,400
4	River Crossing (24-in HDD & levee jack & bore)	\$6,135,000	\$6,135,000	\$5,462,500	\$5,414,200
5	24-in Pipeline to Joshua	\$656,000	\$656,000	\$400,000	\$399,500
6	Reservoir (0.5-MG)	\$1,361,000	\$1,361,000	\$1,365,000	\$1,364,700
7	Pump Station No. 2	\$603,000	\$603,000	\$1,572,500	\$1,512,300
8	Pressure Regulators (200 homes)	\$30,000	—	—	—
9	Pressure Reducing Valve Stations	\$18,000	\$72,000	\$243,000	\$290,100
10	Chloramination (Joshua & 5 wellheads)	\$707,000	\$707,000	\$739,500	\$739,200
11	Upgrade Southland to 12-in	\$799,500 (1)	\$780,000 (7)	\$849,000	\$826,900
12	Upgrade Frontage to 12-in	\$1,101,300 (1)	\$880,000 (7)	\$957,000	\$958,600
13	Upgrade Orchard to 12-in	\$509,000	\$1,040,000 (8)	\$1,103,500	\$1,200,800
14	Upgrade Division to 10-in between Allegre and Meridian (6)	\$53,000	—	—	—
15	Oakglen Avenue 12-in main (5)	—	\$420,000	\$457,000	\$472,600
16	Darby Lane 12-in main (5)	—	\$100,000	\$153,000	\$114,100
17	HWY 101 Bore & Jack (5)	—	\$132,000	\$241,000	\$228,700
18	Isolation Valves (5)	—	\$12,000	\$12,000	\$12,000
19	Pump Station All Weather Access Road	—	—	\$128,000	\$127,500
20	Pipe Cleaning Launch Station Stub Out (Blosser Rd)	—	—	—	\$20,400 (13)
	Construction Subtotal	\$13,860,800	\$14,786,000	\$15,577,000	\$15,705,600
21	Contingency	\$3,643,000	\$3,696,500 (9)	\$3,115,400 (11)	\$3,141,120
	Construction Subtotal + Contingency	\$17,503,800	\$18,482,500	\$18,692,400	\$18,846,720
22	Property Allowance	not included (4)	not included (4)	\$500,000 (4)	\$500,000 (4)
23	Design-Phase Engineering				
	Original Agreement (July 2008)		\$744,993	\$744,993	\$744,993
	Budget Revision 1 - Pressure Reduction		\$132,798	\$132,798	\$132,798
	Budget Revision 2 - Biological Survey for HDD		\$4,050	\$4,050	\$4,050
	Budget Revision 3 - Modeling for GSW/Woodlands Turnouts		\$8,380	\$8,380	\$8,380
	Budget Revision 4 - Additional Survey Services		\$9,900	\$9,900	\$9,900
	Budget Revision 5 - Utility Investigation (Potholing)		—	—	\$8,883
	Budget Revision 6 - (Additional Property Research)		—	—	\$805
24	Office Engineering during construction		\$175,837	\$175,837	\$175,837
25	Estimated Construction Management (3)	\$2,428,000 (2)	\$1,507,170 (10)	\$1,507,170 (10)	\$1,507,170 (10)
26	Permitting Fees To Date	—	\$1,573	\$1,573	—
27	Non-Final Design Funds Spent To Date	not included	not included	\$1,402,879 (12)	\$1,402,879 (12)
28	Estimated Other Costs (Assessment, etc)	not included	not included	\$415,420 (12)	\$415,420 (12)
	WATERLINE PROJECT TOTAL (Rounded to 1000)	\$19,932,000 (4)	\$21,068,000	\$23,696,000	\$23,758,000
A	Frontage Road Sewer Replacement	—	—	\$1,239,500 (A)	\$1,658,600 (A) (B)
B	Sewer Contingency	—	—	\$247,900 (A)	\$331,720 (A)
	FRONTAGE RD SEWER TOTAL (Rounded to 1000)			\$1,488,000 (A)	\$1,990,320 (A)

Notes:

ENR CCI: March 2008 = 8109

- (1) Costs are from the December 2007 Water and Sewer Master Plan (Cannon).
 - (2) Engineering and Construction Management were originally presented as a "lump sum" amount
 - (3) Includes material testing, construction staking, and environmental monitoring
 - (4) Estimate only. Property allowance not included prior to April 2009 estimate.
 - (5) These work items were added to relieve high pressures on Mesa as an alternative to service pressure regulating valves (See Tech Memo 9). One PRV station at Maria Vista was required initially. Four are recommended for revised project. This was design Budget Revision #1.
 - (6) Based on review of record drawings, this pipeline is already a 10-in main
 - (7) Initial estimate incorporated Master Plan project costs. Revised estimate includes higher unit costs to reflect paving 1 traffic lane, per County standards
 - (8) Updated unit costs include higher costs to reflect paving 1 traffic lane, per County standards
 - (9) Contingency was modified to 25% which is more appropriate for concept design phase.
 - (10) To be provided by CM team - Has not been revised to reflect additional work for construction management of Oakglen, Darby, and Orchard extensions.
 - (11) Contingency was modified to 20% which is more appropriate for 30% design phase.
 - (12) Estimate provided by District staff.
 - (13) Item added during 60% design for potential future pipe cleaning launch station. Cost for potential future receiving station was added to line item #7 (pump station).
- not included = Item was not included in previous construction cost opinions, but was added into the Concept Design Report to provide a complete assessment of anticipated project costs.

- (A) Frontage Road Sewer to be Part of Bid Package #2, but to be paid for out of funds separate from the Supplemental Water Project
- (B) Includes 1100 LF of 24-in sewer and manholes from Southland Street to WWTP Lift Station, which was not previously included in project scope.

Project Budget Summary

10/21/2009

Engineering Services for NCSD - SWP Design

Nipomo CSD

	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	% of Work Complete
Task Group 1 - Concept Design Report	\$425,916.00	\$425,916.00	\$0.00	100%	100%
Task Group 2 - Permitting	\$30,651.00	\$30,651.00	\$0.00	100%	100%
Task Group 3 - Construction Documents	\$359,980.00	\$337,643.98	\$0.00	94%	94%
Task Group 4 - Project Management	\$44,320.00	\$37,188.85	\$1,690.20	88%	88%
Task Group 5 - Assistance During Bids	\$48,942.00	\$0.00	\$0.00	0%	0%
Task Group 6 - Office Engineering During Construction (5 Bid Packages)	\$175,837.00	\$0.00	\$1,459.46	1%	1%
Total	\$1,085,646.00	\$831,399.83	\$3,149.66	77%	77%

	Amount Previously Invoiced	Current Invoice Amount	Total Permitting Fees to date
Permitting Fees	\$1,572.91	\$0.00	\$1,572.91

12/1/09: AECOM submitted budget revision request #8. Invoice processing is pending District review and approval of the budget revision

ID	Task Name	Duration	Start	Finish	% Complete
1	Kickoff meeting	1 day	Wed 7/16/08	Wed 7/16/08	100%
2	Right of Entry Agreements and Coordination	63 days	Thu 7/17/08	Mon 10/13/08	100%
3	Permitting and Approvals for Field Work at River	87 days	Thu 7/17/08	Fri 10/17/08	100%
4	Concept Design Report	234 days	Thu 7/17/08	Tue 6/9/09	100%
5	101 - Geotechnical Report for HDD Technical Memorandum	2.5 mos	Tue 11/18/08	Mon 1/26/09	100%
6	102 - Project Bidding Strategy Technical Memorandum	1.15 mos	Mon 10/20/08	Wed 11/19/08	100%
7	103 - Pipeline Alignment Technical Memorandum	102 days	Mon 10/13/08	Tue 3/3/09	100%
8	104 - Pump Station Design Technical Memorandum	2.45 mos	Tue 12/23/08	Mon 3/16/09	100%
9	105 - Reservoir Design Technical Memorandum	2.45 mos	Tue 12/23/08	Mon 3/16/09	100%
10	106 - Permitting Strategy Technical Memorandum	5.25 mos	Mon 1/12/09	Fri 6/5/09	100%
11	107 - Chloramination Systems Technical Memorandum	1.4 mos	Mon 10/13/08	Wed 11/19/08	100%
12	108 - Back-up Power, Controls, and Instrumentation Technical Memorandum	1 mon	Tue 2/17/09	Mon 3/16/09	100%
13	109 - Pressure Reduction Study	1 mon	Thu 7/17/08	Wed 8/13/08	100%
14	110 - Survey and Base Map (by Wallace Group)	4.7 mos	Tue 9/2/08	Fri 1/9/09	100%
15	111 - Geotechnical Report (by Fugro)	3 mos	Mon 10/20/08	Fri 1/9/09	100%
16	112 - Draft Concept Report	1 day	Tue 3/3/09	Tue 3/3/09	100%
17	113 - Review and Finalize Concept Design Report	1 mon	Wed 4/1/09	Tue 4/28/09	100%
18	114 - Narrative Report	1 mon	Wed 5/13/09	Tue 6/9/09	100%
19	Construction Plans and Specifications	333 days	Wed 4/29/09	Fri 8/6/10	58%
20	Bid Package 1 - HDD	10 mos	Wed 4/29/09	Tue 2/2/10	60%
21	60% Submittal	1 day	Wed 6/10/09	Wed 6/10/09	100%
22	Peer Review	2 wks	Thu 6/11/09	Wed 6/24/09	100%
23	District Review	1 wk	Thu 6/25/09	Wed 7/1/09	100%
24	90% Submittal	1 day	Wed 6/2/10	Wed 6/2/10	0%
25	Peer Review	4 wks	Thu 6/3/10	Wed 6/30/10	0%
26	District Review	2 wks	Thu 7/1/10	Wed 7/14/10	0%
27	100% Submittal	1 day	Fri 8/6/10	Fri 8/6/10	0%
28	Bid Package 2 - NCSD System Pipeline Improvements	8.25 mos	Wed 4/29/09	Tue 12/15/09	60%
29	60% Submittal	1 day	Wed 7/22/09	Wed 7/22/09	100%
30	Peer Review	2 wks	Thu 7/23/09	Wed 8/5/09	100%
31	District Review	1 wk	Thu 8/6/09	Wed 8/12/09	100%
32	90% Submittal	1 day	Wed 10/7/09	Wed 10/7/09	100%
33	Peer Review	4 wks	Thu 10/8/09	Wed 1/14/09	100%
34	District Review	2 wks	Thu 1/15/09	Wed 1/15/09	0%
35	100% Submittal	1 day	Wed 4/7/10	Wed 4/7/10	0%
36	Bid Package 3 - Blosser Road Water Main and Flow Meter	6.75 mos	Wed 4/29/09	Tue 1/13/09	70%
37	60% Submittal	1 day	Wed 7/8/09	Wed 7/8/09	100%
38	Peer Review	2 wks	Thu 7/9/09	Wed 7/22/09	100%
39	District Review	1 wk	Thu 7/23/09	Wed 7/29/09	100%
40	90% Submittal	1 day	Fri 1/15/10	Fri 1/15/10	80%
41	Peer Review	4 wks	Mon 1/18/10	Fri 2/12/10	0%
42	District Review	2 wks	Mon 2/15/10	Fri 2/26/10	0%

Project Web Design Schedule (Gantt for 10/1/08)

Task: Progress (solid bar), Baseline (dashed bar)

Milestone: Milestone (diamond)

Baseline Milestone: Baseline Milestone (diamond)

Summary: Summary (thick bar)

Rollup Task: Rollup Task (arrow)

Rollup Milestone: Rollup Milestone (arrow)

Baseline Summary: Baseline Summary (arrow)

Rollup Up Baseline: Rollup Up Baseline (arrow)

Rollup Up Milestone: Rollup Up Milestone (arrow)

Rollup Up Progress: Rollup Up Progress (arrow)

Spill: Spill (dashed bar)

Baseline Spill: Baseline Spill (dashed bar)

Summary Tests: Summary Tests (dashed bar)

Project Summary: Project Summary (arrow)

Group By Summary: Group By Summary (arrow)

Deadline: Deadline (arrow)

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AECOM

ID	Task Name	Start	Finish	Duration	% Complete	Task Type
43	100% Submittal	Fri 5/7/10	Fri 5/7/10	1 day	0%	Task
44	Bid Package 4 - Pump Station, Reservoir, and Chloramination Syst	Wed 4/29/09	Tue 15/1/10	9 mos	60%	Task
45	60% Submittal	Wed 9/2/09	Wed 9/2/09	1 day	100%	Task
46	Peer Review	Wed 9/2/09	Wed 9/15/09	2 wks	100%	Task
47	District Review	Wed 9/15/09	Wed 9/23/09	1 wk	100%	Task
48	90% Submittal	Fri 1/29/10	Fri 2/26/10	1 day	60%	Task
49	Peer Review	Mon 2/1/10	Fri 2/26/10	4 wks	0%	Task
50	District Review	Mon 3/1/10	Fri 3/12/10	2 wks	0%	Task
51	100% Submittal	Wed 6/23/10	Wed 6/23/10	1 day	0%	Task
52	Permitting	Fri 1/9/09	Mon 3/1/10	297 days	90%	Task
53	End of EIR Public Review Period	Fri 1/9/09	Fri 1/9/09	1 day	100%	Task
54	Preparation of Administrative Final EIR/Responses to Comments	Fri 1/9/09	Fri 2/13/09	1.3 mos	100%	Task
55	Receipt of Comments from District on Final EIR	Fri 2/27/09	Fri 2/27/09	1 day	100%	Task
56	Completion of Final EIR	Fri 3/20/09	Fri 3/20/09	1 day	100%	Task
57	Completion of Findings of Fact	Mon 3/23/09	Mon 3/23/09	1 day	100%	Task
58	Public Hearings/EIR Certification	Mon 3/23/09	Fri 5/1/09	1.5 mos	100%	Task
59	Complete and submit permit applications	Wed 4/1/09	Mon 11/30/09	8.7 mos	100%	Task
60	Coordinate with regulatory agencies	Thu 10/1/09	Fri 2/5/10	4.6 mos	80%	Task
61	Acquire permits and incorporate in final design plans	Mon 2/8/10	Mon 3/1/10	16 days	0%	Task
62	Financing	Fri 12/8/09	Fri 9/17/10	196 days	0%	Task
63	Completion of Preliminary Assessment Engineer's Report	Fri 12/8/09	Fri 12/18/09	1 day	0%	Task
64	Hearings for Property Owners who request alternate Assessment	Mon 1/18/10	Fri 2/19/10	25 days	0%	Task
65	Final Assessment Report	Mon 2/22/10	Fri 4/2/10	30 days	0%	Task
66	Adoption of Preliminary Bond Resolutions	Mon 4/5/10	Fri 5/14/10	30 days	0%	Task
67	Bidlets mailed and counted	Mon 5/17/10	Fri 7/16/10	45 days	0%	Task
68	Adoption of Resolutions and Sale of Bonds	Mon 7/19/10	Fri 9/17/10	45 days	0%	Task
69	Standard Bid-Construct Process for Underground/Storage Work	Mon 9/20/10	Mon 11/29/10	51 days	0%	Task
70	Solicit Bids	Mon 9/20/10	Tue 11/23/10	2.35 mos	0%	Task
71	Bid Package 3	Mon 9/20/10	Fri 10/22/10	5 wks	0%	Task
72	Bid Package 2	Mon 10/4/10	Fri 11/5/10	5 wks	0%	Task
73	Bid Package 4	Mon 10/18/10	Fri 11/25/10	6 wks	0%	Task
74	Award Bids	Mon 11/29/10	Mon 11/29/10	1 day	0%	Task
75	Turnkey Design-Build Process for HDD Work	Wed 5/5/10	Mon 12/13/10	159 days	0%	Task
76	Pre-Quality Contractors	Wed 5/5/10	Tue 7/20/10	11 wks	0%	Task
77	Solicit Bids	Mon 9/20/10	Fri 11/12/10	8 wks	0%	Task
78	Award Bids	Mon 12/13/10	Mon 12/13/10	1 day	0%	Task
79	Construction	Mon 2/22/10	Mon 11/14/11	451 days	0%	Task
80	Retain Design Firm to Perform Engineering Services During Constructi	Mon 2/22/10	Fri 3/26/10	5 wks	0%	Task
81	Construct	Tue 12/14/10	Mon 11/14/11	12 mos	0%	Task
82	Startup and Testing	Tue 11/15/11	Mon 1/9/12	40 days	0%	Task
83	Startup	Tue 11/15/11	Mon 12/12/11	1 mon	0%	Task
84	Testing	Tue 12/13/11	Mon 1/9/12	1 mon	0%	Task

Project: WSP Design Schedule (Date: Tue 12/1/09)

Task: Progress, Milestone, Summary, Baseline

Milestone: Milestone, Baseline Milestone, Summary

Task: Task, Progress, Milestone, Summary, Baseline

Rollup: Rollup Task, Rollup Milestone, Rollup Progress, Rollup Baseline

Spill: Spill, Baseline Spill, Summary Spill

Project Summary: Project Summary, Group By Summary, Deadline

Memorandum

To Michael LeBrun, Intertim General Manager - NCSD Page 1

CC Peter Sevcik, Jon Hanlon, Josh Reynolds, Kirk Gonzalez, Eileen Shields, Jim Froelicher

Subject Southland WWTF Upgrade Project – Design Phase Status Report

From Michael K. Nunley, PE

Date December 2, 2009

The Project Team has completed the following work items this month:

1. AECOM reviewed existing influent flow and loading conditions and revised the preliminary design criteria for startup conditions.
2. Based on the updated design criteria for startup, AECOM has revised a draft site plan to review with District staff at the progress meeting on December 7th.

Schedule

The attached Project Schedule will be discussed with District staff at the progress meeting on December 7, 2009. Revisions to submittal dates will be discussed with the Board at the Board Meeting on Wednesday, December 9, 2009.

Budget Status

The Invoice Summary is attached. The Invoice Summary indicates an amount invoiced which is consistent with the work completed to date. The project cost opinion has not been updated since the January 2009 Master Plan, but the summary table is included and will be updated with the 30% design submittal.

Yours Sincerely



Michael K. Nunley, PE

Enclosures: Project Schedule
Invoice Summary
Project Budget Summary

Southland WWTF Upgrades Design Schedule

Tue 12/1/09

ID	Task Name	% Work Complete	Duration	Start	Finish	Timeline																											
						Q08	1Q09	2Q09	3Q09	4Q09	1Q10	2Q10	3Q10	4Q10	1Q11	2Q11	3Q11																
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S					
1	Negotiation and Notice to Proceed	100%	20 days	Thu 2/26/09	Wed 3/25/09	100% → 3/25																											
2	Design	0%	357 days	Thu 3/26/09	Fri 8/6/10	→																											
3	Survey	100%	105 days	Thu 3/26/09	Wed 8/19/09	100% → 8/19																											
4	Preliminary Soils Report	100%	75 days	Thu 3/26/09	Wed 7/8/09	100% → 7/8																											
5	Draft Site Plan	100%	117 days	Thu 3/26/09	Fri 9/4/09	100% → 9/4																											
6	Draft Soils Report	100%	50 days	Thu 7/9/09	Wed 9/16/09	100% → 9/16																											
7	Operations Plan - TM 1	80%	30 days	Thu 8/20/09	Wed 9/30/09	80% → 9/30																											
8	Final Soils Report	0%	15 days	Thu 10/1/09	Wed 10/21/09	0% → 10/21																											
9	Administrative Draft Concept Report	0%	41 days	Fri 10/23/09	Fri 12/18/09	0% → 12/18																											
10	District Review	0%	10 days	Mon 12/21/09	Fri 1/1/10	0% → 1/1																											
11	Draft Concept Report	0%	5 days	Mon 1/4/10	Fri 1/8/10	0% → 1/8																											
12	District / Peer Review	0%	10 days	Mon 1/11/10	Fri 1/22/10	0% → 1/22																											
13	Final Concept Report	0%	20 days	Mon 1/25/10	Fri 2/19/10	0% → 2/19																											
14	60% Plans, Specifications, and Estimates	0%	60 days	Mon 2/22/10	Fri 5/14/10	0% → 5/14																											
15	District / Peer Review	0%	10 days	Mon 5/17/10	Fri 5/28/10	0% → 5/28																											
16	95% Plans, Specifications, and Estimates	0%	20 days	Mon 5/31/10	Fri 6/25/10	0% → 6/25																											
17	District / Peer Review	0%	10 days	Mon 6/28/10	Fri 7/9/10	0% → 7/9																											
18	Final Plans, Specifications, and Estimates	0%	20 days	Mon 7/12/10	Fri 8/6/10	0% → 8/6																											
19																																	
20	Environmental Impact Report	0%	317 days	Wed 4/8/09	Thu 6/24/10	→																											
21	Notice of Award	100%	1 day	Wed 4/8/09	Wed 4/8/09	100% → 4/8																											
22	Preparation of Public Draft EIR	0%	22.8 wks	Fri 8/7/09	Wed 1/13/10	0% → 1/13																											
23	EIR Public Review Period	0%	7.4 wks	Mon 1/25/10	Tue 3/16/10	0% → 3/16																											
24	Preparation of Administrative Final EIR/Responses to Comments	0%	1 mon	Wed 3/17/10	Tue 4/13/10	0% → 4/13																											
25	Completion and Receipt of Comments from District on Final EIR	0%	6 days	Wed 4/14/10	Wed 4/21/10	0% → 4/14																											
26	Completion of Final EIR	0%	2 wks	Mon 5/3/10	Fri 5/14/10	0% → 5/14																											
27	Completion of Findings of Fact	0%	11 days	Mon 5/17/10	Mon 5/31/10	0% → 5/31																											
28	Public Hearings/EIR Certification	0%	11 days	Thu 6/10/10	Thu 6/24/10	0% → 6/24																											
29																																	
30	Bid Phase	0%	55 days	Mon 8/9/10	Fri 10/22/10	→																											
31	Advertisement	0%	30 days	Mon 8/9/10	Fri 9/17/10	0% → 9/17																											
32	Bid Opening	0%	5 days	Mon 9/20/10	Fri 9/24/10	0% → 9/24																											
33	Bid Review and Notice of Award	0%	20 days	Mon 9/27/10	Fri 10/22/10	0% → 10/22																											
34																																	
35	Construction	0%	295 days	Mon 5/17/10	Fri 7/1/11	→																											
36	Retain Design Firm to Perform Services During Construction	0%	20 days	Mon 5/17/10	Fri 6/11/10	0% → 6/11																											
37	Construct	0%	160 days	Mon 10/25/10	Fri 6/3/11	0% → 6/3																											
38	Startup & Testing	0%	20 days	Mon 6/6/11	Fri 7/1/11	0% → 7/1																											

Project: Southland Design 8 03 09 Date: Tue 12/1/09	Task		Baseline Milestone		Rolled Up Milestone		Rolled Up Progress		Project Summary
	Progress		Summary		Baseline Summary		Split		Group By Summary
	Baseline		Rolled Up Task		Rolled Up Baseline		Baseline Split		Deadline
	Milestone		Rolled Up Critical Task		Rolled Up Baseline Milestone		External Tasks		

Project Budget Summary

11/27/2009

Engineering Services for NCSD - Southland WWTF Upgrade

Nipomo CSD

	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	% of Work Complete
Task Group 1 - Concept Design Phase	\$188,622.00	\$123,001.99	\$9,544.50	70%	70%
Task Group 2 - Construction Documents	\$478,948.00	\$3,942.00	\$0.00	1%	1%
Task Group 3 - Project Management	\$68,787.00	\$14,877.00	\$0.00	22%	22%
Task Group 4 - Assistance During Bid	\$39,539.00	\$0.00	\$0.00	0%	0%
Task Group 5 - Office Engineering Services	\$147,198.00	\$0.00	\$0.00	0%	0%
Total	\$923,094.00	\$141,820.99	\$9,544.50	16%	16%

Date Printed 12/2/2009

Item	Description	Budgeted Amount Jan 2009 Master Plan	Updated Amount
1	Frontage Road sewer upgrade (street to influent pump station)	\$366,000 (4) (5)	\$366,000
2	Influent pump station upgrade	\$670,900	\$670,900
3	Influent screening system	\$327,400	\$327,400
4	Grit removal system	\$402,700	\$402,700
5	Phase I Biolac system	\$3,877,500	\$3,877,500
6	Phase I Sludge holding lagoons	\$67,700	\$67,700
7	Phase I Sludge drying beds	\$1,160,700	\$1,160,700
	Construction Subtotal	\$6,872,900	\$6,872,900
8	Contingency	\$2,061,870 (6)	\$2,061,870
9	Design-Phase Engineering	\$923,093	\$923,093
10	Construction Management	\$1,138,777 (7)	\$1,138,777
11	Environmental Mitigation	-- (8)	-- (8)
12	Environmental Monitoring	-- (8)	-- (8)
13	Permitting Fees	-- (8)	-- (8)
	WWTF PROJECT TOTAL (Rounded to 1000)	\$10,997,000	\$10,997,000

13	Frontage Rd Sewer Upgrade Project (Division St to WWTF property)	--	\$1,658,600 (9) (10)
14	Frontage Rd Sewer Upgrade Project Contingency	--	\$331,720 (9) (10)
	FRONTAGE RD SEWER PROJECT TOTAL (Rounded to 1000)	--	\$1,991,000 (9) (10)

Notes:

- (1) ENR CCI: November 2008 = 8602
- (2) Costs are from the January 2009 Southland WWTF Master Plan.
- (3) Costs are escalated by 4 % per year to anticipated midpoint of construction (2011).
- (4) The Frontage Rd Sewer Upgrade project includes the sewer main from Division St. to the influent pump station. The portion between the street and the influent pump station is currently included in the Southland WWTF Upgrades project scope of work, but may be moved to the Waterline Intertie Project for expedited construction.
- (5) The cost for this portion of Frontage Rd was estimated by prorating the cost opinion for the Frontage Road Sewer Upgrade (based on linear footage) to arrive at the 2008 Construction Cost Opinion. A 4% per year escalation was used to arrive at the 2011 midpoint of construction cost opinion.
- (6) Contingency is estimated at 30% of construction subtotal.
- (7) To be updated by CM Team, assumed to be 30% of construction subtotal minus the engineering fee.
- (8) Costs to be developed with EIR process
- (9) The Frontage Road Sewer Upgrade Project plans are being developed as part of the Waterline Intertie Project effort, but construction will be paid for using separate sewer funds, not supplemental water funds
- (10) Costs based on the 90% plans and specifications for Bid Package #2 of Waterline Intertie Project (October 2009)

TO: BOARD OF DIRECTORS

FROM: MICHAEL LEBRUN *ML*

DATE: DECEMBER 2, 2009

AGENDA ITEM

E-9

DECEMBER 9, 2009

**AECOM CONTRACT AMENDMENT FOR
WATERLINE INTERTIE PROJECT ENGINEERING DESIGN**

ITEM

AUTHORIZE EXECUTION OF AMENDMENT TO AECOM WATERLINE INTERTIE PROJECT FINAL DESIGN AGREEMENT IN THE AMOUNT OF \$140,872 FOR ADDITIONAL SERVICES REQUIRED TO COMPLETE DESIGN [RECOMMEND APPROVAL].

BACKGROUND

At the October 28, 2009 Meeting, your Honorable Board requested that AECOM review the existing design budget for the Waterline Intertie Project and provide the District with a proposed budget amendment that addresses the costs required to complete the final design of the project. Staff met with AECOM to discuss tasks that were beyond the original scope of services but are necessary to move forward with the project design and tasks that required more effort and time than was originally budgeted due to unforeseen challenges. AECOM submitted the attached proposal to perform these tasks. As set forth in the attached proposal, AECOM is willing to perform this work on a time and materials basis with a not-to-exceed expenditure limit of \$140,872.

While AECOM expects to be able to finalize the design of the project for the amount under contract plus the proposed budget amendment, it is worth noting that this budget revision does not include assistance with developing the Operations Memorandum of Understanding contemplated by the Wholesale Water Supply Agreement with the City of Santa Maria nor the Operations Plan that will be required by the California Department of Public Health. Although these are outstanding items that need to be addressed, these items were not included in the original scope of work and the design of the project needs to progress to a greater degree of completion before the scope of work and cost can be developed for these items.

FISCAL IMPACT

The FY 09-10 Budget includes \$800,000 in Supplemental Water Fund (Fund #500) for design services with additional funding expected in FY 10-11 and FY 11-12. Execution of the proposed amendment would increase the not-to-exceed expenditure limit from \$1,089,810 to \$1,230,682.

RECOMMENDATION

Staff recommends that your Honorable Board the Board authorize the General Manager to execute an amendment in the amount of \$140,872 to the existing WIP Final Design Agreement.

ATTACHMENTS

AECOM Budget Revision Request Dated December 1, 2009

December 1, 2009

Mr. Michael Lebrun
Interim General Manager
Nipomo Community Services District
148 S. Wilson
Nipomo, CA 93444

Dear Mr. Lebrun,

Subject: Budget Revision Request #8 - Design Budget Update

We are submitting this budget revision request for services in association with the Waterline Intertie Project. As you recall, AECOM established the contract on a "time and materials" basis, requiring that we request an amendment revision in writing before we exceed the budget. This revision addresses two categories of tasks: those that are beyond the original scope of services, but are necessary to move forward with the project design; and tasks that required more effort and time than was originally budgeted due to unforeseen challenges. In terms of the "value" of these additional services the reduction in construction risk and cost is warranted. These services are described below, organized by the original task groups. Additional budget details are provided in the attached table.

Task Group 1 - Concept Design

1. **Task 109: Service Pressure Reduction Study** – Part of the original scope, this effort resulted in Technical Memorandum #9, System Pressure Reduction Study. The memorandum summarizes the hydraulic analysis and evaluation of alternatives for protecting water infrastructure from increased pressures caused by the Waterline Intertie Project. Five revisions utilizing different scenarios and modifications were made over a four-month period. The final memorandum included analysis of six scenarios under various system conditions, including fire flow. A cost opinion, comparing the original and recommended alternatives was also included. An additional \$3,100 is requested for this work.
2. **Surge Analysis** – Surge analysis for construction of the pipeline and pump station was included under the original scope and performed for the concept design phase. However, the City of Santa Maria requested additional surge analysis during review of the preliminary design. The analysis was performed and summarized in a memorandum to respond to the City's concerns. The estimated cost for these services is \$2,938.

Task Group 2 – Permitting

3. **Permit Application Submittal and Coordination with Permitting Agencies** – Coordination with the Army Corps of Engineers and Santa Barbara County Flood Control & Water Conservation District has taken more time and effort than originally anticipated. Initially, it

was anticipated that the WIP crossing would be installed prior to the levee improvements. Several submittal packages, including calculations and plans, were required for agency review and coordination with the levee crossing, in addition to the anticipated permitting forms and procedures. Revisions to the levee crossing design were required to accommodate plans for the levee retrofit project. An additional \$7,895 is requested for these services.

Task Group 3 - Construction Documents

Additional services for Task 301 – Construction Documents and Specifications

1. **Front End Document Preparation** – The original scope assumed that the District's standard front-end documents would be used for the project. AECOM's standard front-ends were initially provided because they were considered more appropriate for a major infrastructure project. AECOM compiled and submitted draft front-end documents for the project. The District's legal team reviewed and ultimately requested a variation of the District's standard front-end documents. AECOM is working with District staff and the District's legal counsel to assist with development of the front-end documents for the project specifications. A budget of \$6,426 is estimated for completion of this work.
2. **Pre-qualification Package for Horizontal Directional Drilling** – Development of a pre-qualification package for HDD was included in the original scope. AECOM submitted their standard prequalification package, customized for the Waterline Intertie Project, and met with District staff and the District's legal council to review the draft and discuss revisions. Significant modifications by the District's legal team were requested, requiring additional work. We estimate \$4,028 is needed to finalize the task.
3. **Environmental Mitigation and Monitoring Specification & Coordination** – AECOM worked with Douglas Wood and Padre to refine the requirements from the Environmental Impact Report and integrate them into the draft specification sections and plans as needed for each of the four bid packages. AECOM is working with District's construction management team to further clarify environmental mitigation and monitoring requirements. Additional time spent now will reduce potential risk to Contractors and the District during and after construction. An additional \$4,315 is requested for this work.
4. **All-Weather Access Road to Pump Station & Reservoir Site** – The original scope anticipated the pump station and reservoir site close to Joshua Street. As the design developed, it became apparent that locating the site near the horizontal directional drilling exit site was hydraulically advantageous. AECOM recommends construction of an all-weather access road to maintain year-round access the pump station and reservoir site. We have budgeted \$9,050 for design.
5. **Move and Redesign Flow Control Valve and Meter** – The preliminary design located the flow control valve (FCV) at the pump station / reservoir site. In order to keep sufficient static pressure upstream of the valve, the vault for the FCV would be over 30 feet below grade. The City of Santa Maria has expressed the desire to operate the FCV for the Waterline Intertie. Operation of the Intertie has not yet been negotiated. However, whether the District

or the City operates the FCV, AECOM recommends moving the FCV to Blosser Road, near the flow meter. At this location, the vault will be approximately 10 feet below grade, providing significant savings potential during construction and better access for maintenance. The additional design cost is estimated to be \$2,927.

6. **Surge Tank Optimization** – Additional time and effort is required for controls and instrumentation coordination to optimize the pump station in order to protect the existing 12" main to the Maria Vista development. The estimated budget for this task is \$3,105.
7. **Additional Boring on Blosser Road** – After review by the ACOE, the depth of the waterline casing underneath the levee was extended by approximately 10 feet to provide sufficient vertical separation from the future levee retrofit plans. A deeper boring is recommended to determine soil conditions prior to completion of design. A budget of \$9,180 is requested for the geotechnical work and coordination (corresponding to attached Fugro letter dated June 23, 2009).
8. **Frontage Road / Grande Avenue PRV Station** - Underground utility conflicts and traffic coordination made it prudent to move the Frontage Road pressure reducing valve station to Grande Avenue. The additional survey (corresponding to attached Wallace Group CA #10) and plan revisions are estimated at \$5,535.
9. **High Pressures at Well Sites** – Pressures at the well sites are higher than originally anticipated and vary among the well sites requiring custom design at each wellhead. AECOM performed additional analyses to evaluate the potential impacts to equipment and determined that specialty materials and procedures are required to protect the piping and equipment. The additional work is budgeted at \$2,009.
10. **SCADA Coordination and Integration for FCV and PRVs** – The original scope of work assumed SCADA coordination and integration design for the pump station / reservoir site, the pressure-reducing valve (PRV) station on Santa Maria Vista Way, and the flow meter in Santa Maria. As the design has developed, the scope for SCADA coordination has grown to also include four additional PRV stations in Nipomo and the flow control valve station in Santa Maria. We request an additional \$3,445 for this work.
11. **Sundale Well Redesign** – A fire occurred at the Sundale Well site, changing the existing conditions. The changes will require modifications to the design. AECOM has been working with District staff to refine design decisions and layout, before making the required modifications to the design. This redesign effort is budgeted at \$4,806.
12. **County Paving Requirements** – The majority of trenching in the Nipomo area will occur in County streets, requiring not only encroachment fees, but repaving dictated by County standards. General estimates of the amount of repaving and grind-and-overlay that may be required have been made for the opinion of construction costs. Additional exhibits are recommended for references during discussions with County staff in order to minimize fees and paving costs. These services are budgeted at \$4,277.

13. **Potholing for Underground Utility Investigation** – Additional potholes are recommended to mitigate potential utility conflicts and reduce risks during construction. AECOM will provide the potholing plans, coordinate the encroachment permit, and coordinate surveying of the final pothole locations. A budget of \$8,050 is requested for these services, including surveying to be provided by Wallace Group. It is assumed the District will contract with a Contractor separately to perform the potholing work.

Additional services for Task 304 – Legal Descriptions and Easements

14. **Legal Descriptions and Easement Exhibits** – The original scope did not include legal descriptions or exhibits for the temporary construction easements. Draft legal descriptions and easement exhibits have been submitted. Changes to the access boundaries, coordination with existing easements and ongoing license agreement negotiations will require several revisions to the draft exhibits and legal descriptions. An additional \$7,344 is requested for this work (including the attached Wallace Group CA#8).
15. **Property Research** – Additional property research has been required to address questions around property ownership, property and easement boundaries near the levee and the county lines. An additional \$2,160 is requested for these efforts (including the attached Wallace Group CA#7a).
16. **Application for Public Lot at Pump Station / Reservoir Site** – The design includes a pump station and reservoir on a portion of land owned by Linda Vista Farms, Inc. The District desires to create a "Public Lot" over the area planned for the pump station and reservoir. District staff requested a budget revision from AECOM to provide technical services for the San Luis Obispo application process to create a Public Lot. The estimate for these services is \$12,917, including surveying provided by Wallace Group (including the attached Wallace Group CA#9).

Task Group 4 – Project Management

17. **Additional Project Management Services due to Extended Project Schedule** – These tasks consist of continuation of project management services needed to cover the extended project schedule, including Tasks 402 through 407 in the attached budget revision table. The anticipated completion date for the waterline intertie project has been extended by twelve months. An additional \$31,286 is requested for these services.
18. **Coordination with the City of Santa Maria Operations staff** – The project design has required coordination with the City of Santa Maria regarding existing conditions and underground utilities, design conditions, operations, and potential future facilities. A budget of \$6,080 is estimated for completion of this work.

Budget

The fee schedule that was current at the time the project contract began will be used for this work. Our fee and charges will be invoiced on a time and materials basis, with a budget not to exceed \$140,872, as detailed above and in the attached table, unless additional authorization is requested in



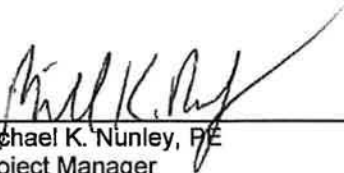
writing. If approved, this will increase the Waterline Intertie Project final design NTE limit from \$1,089,810 to \$1,230,682.

Schedule


It is assumed this additional work will not result in delays to the current project schedule (as of October 20, 2009).

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,



Michael K. Nunley, PE
Project Manager



Jon Hanlon, PE
Managing Engineer

Enclosures: Project Budget Revision #8
Summary of Design Budget
Wallace Group Contract Amendments #7a, 8, 9, and 10
Fugro proposal letter dated June 23, 2009

Project Budget Revision #8

Waterline Intertie Project

Nipomo Community Services District

Task Description	Personnel Hours							Budget				
	Principal	Senior II	Associate	Assistant	Drafter	Clerical	Total Hours	Labor	Non-Labor Fee	Subconsultants	Total Non-Labor	Total
Task Group 1 - Concept Design												
109 - Pressure Reduction Analysis and Modeling	2	4		16	2		24	\$ 2,870	\$ 230		\$ 230	\$ 3,100
Surge Analysis	2	12	4				18	\$ 2,720	\$ 218		\$ 218	\$ 2,938
Subtotal	4	16	4	16	2	-	42	\$ 5,590	\$ 447	\$ -	\$ 447	\$ 6,037
Task Group 2 - Permitting												
Application Submittal and Coordination		14	6	4			24	\$ 3,310	\$ 265	\$ 4,320	\$ 4,585	\$ 7,895
Subtotal	-	14	6	4	-	-	24	\$ 3,310	\$ 265	\$ 4,320	\$ 4,585	\$ 7,895
Task Group 3 - Construction Documents												
301 - Construction Documents and Specifications												
Front-End Documents	6	14	22				42	\$ 5,950	\$ 476		\$ 476	\$ 6,426
Pre-Qualification Package for HDD	2	10	15				27	\$ 3,730	\$ 298		\$ 298	\$ 4,028
Environmental Mitigation and Monitoring Specification and Coordination		5	10	12	8		35	\$ 3,995	\$ 320		\$ 320	\$ 4,315
All-weather Access Road Design		16	8		52		76	\$ 8,380	\$ 670		\$ 670	\$ 9,050
Move and Redesign FCV and Meter		4			22		26	\$ 2,710	\$ 217		\$ 217	\$ 2,927
Surge Tank Optimization	2	13	4				19	\$ 2,875	\$ 230		\$ 230	\$ 3,105
Additional Boring on Blosser Road							-	\$ -		\$ 9,180	\$ 9,180	\$ 9,180
Frontage Road / Grande Ave PRV Station		8			21		29	\$ 3,235	\$ 259	\$ 2,041	\$ 2,300	\$ 5,535
High Pressures at Well Sites		8	2		4		14	\$ 1,860	\$ 149		\$ 149	\$ 2,009
SCADA Coordination and Integration for FCV and PRVs	4	8	2		10		24	\$ 3,190	\$ 255		\$ 255	\$ 3,445
Sundale Well Redesign		14			24		38	\$ 4,450	\$ 356		\$ 356	\$ 4,806
County Paving Requirements		6		18	12		36	\$ 3,960	\$ 317		\$ 317	\$ 4,277
Potholing		10	19		16		45	\$ 5,350		\$ 2,700	\$ 2,700	\$ 8,050
304 - Legal Descriptions and Easements												
Legal Descriptions				4	4		8	\$ 800	\$ 64	\$ 6,480	\$ 6,544	\$ 7,344
Property Research							-	\$ -		\$ 2,160	\$ 2,160	\$ 2,160
Application for Public Lot at Pump Station / Reservoir Site	2	8	10		12		32	\$ 3,960	\$ 317	\$ 8,640	\$ 8,957	\$ 12,917
Subtotal	16	124	92	34	185	-	451	\$ 54,445	\$ 3,928	\$ 31,201	\$ 35,129	\$ 89,574
Task Group 4 - Project Management												
402 - Monthly Progress Reports	12		24			4	40	\$ 5,428	\$ 434		\$ 434	\$ 5,862
403 - Decision Log	3	4	8				15	\$ 2,150	\$ 172		\$ 172	\$ 2,322
404 - Monthly Board Meetings	12	10	12				34	\$ 5,270	\$ 422		\$ 422	\$ 5,692
405 - Meetings with District Staff	16	16	16				48	\$ 7,440	\$ 595		\$ 595	\$ 8,035
406A - Monthly Standing Committee Meetings	12	8	12				32	\$ 4,960	\$ 397		\$ 397	\$ 5,357
407 - Miscellaneous Exhibits			12		24		36	\$ 3,720	\$ 298		\$ 298	\$ 4,018
Coordination with City of Santa Maria Operations staff	9	16	12				37	\$ 5,630	\$ 450		\$ 450	\$ 6,080
Subtotal	64	54	96	-	24	4	242	\$ 34,598	\$ 2,768	\$ -	\$ 2,768	\$ 37,366
Total	84	208	198	54	211	4	759	\$ 97,943	\$ 7,407	\$ 35,521	\$ 42,929	\$ 140,872

Amounts shown are fee.

Nipomo Community Services District
Waterline Intertie Project

Summary of Design Budget											
		Jul-08	BR#1	BR#2	BR#3	BR#4	BR#5	BR#6	BR#7	BR#8	TOTAL
Phase	Proposal		PEM to TM#9 design	Bio monitor for SAA	WL + GS connection hydraulics	Various Survey Add-ons	Potholing	Property & S Levee control line	PG&E SBD Support	Budget Update	
Task Group 1	Concept Design Report	\$313,992	\$94,059		\$8,380	\$9,900				\$6,037	\$432,368
Task Group 2	Permitting	\$26,557		\$4,050						\$7,895	\$38,502
Task Group 3	Construction Documents	\$311,982	\$38,739				\$8,883	\$805		\$89,574	\$449,983
Task Group 4	Project Management	\$43,520							\$4,164	\$37,366	\$85,050
Task Group 5	Assistance During Bids	\$48,942									\$48,942
Task Group 6	Office Engineering during Construction	\$175,837									\$175,837
TOTAL		\$920,830	\$132,798	\$4,050	\$8,380	\$9,900	\$8,883	\$805	\$4,164	\$140,872	\$1,230,682
CUMULATIVE TOTAL		\$920,830	\$1,053,628	\$1,057,678	\$1,066,058	\$1,075,958	\$1,084,841	\$1,085,646	\$1,089,810	\$1,230,682	

CONTRACT AMENDMENT

Project Name: Nipomo Intertie Line	CA No. 7a
Client Name: AECOM	Project/Phase No. 0532-0024-200
Attention: Josh Reynolds, Professional Engineer	Date: September 4, 2009
Address: 1194 Pacific Street, Suite 204, San Luis Obispo, California 93401	



Wallace Group requests the Client's authorization to proceed with revisions to the contract agreement for the above referenced project as herein described. Approval below incorporates this document as a part of the original contract date August 4, 2008. If approved, please return one signed original Contract Amendment to Wallace Group.

Description and Purpose of the Revision(s)

1. Research property ownership and provide deeds for plan check comments by others.

CIVIL ENGINEERING
 CONSTRUCTION MANAGEMENT
 LANDSCAPE ARCHITECTURE
 MECHANICAL ENGINEERING
 PLANNING
 PUBLIC WORKS ADMINISTRATION
 SURVEYING / GIS SOLUTIONS
 WATER RESOURCES
 WALLACE SWANSON INTERNATIONAL

Revision(s) Represent:

- a change in previous instructions
- a change in scope of services
- other:

Revision(s) Fee:

- hourly (time & materials)
- progress billing: \$
- not-to-exceed w/o authorization: \$2,000


Revision(s) will be invoiced as:

- increase to an item within the existing contract
- a new item added to existing contract

Issued by,

Wallace Group, a California Corporation

Approved by Client

Signature: 	Signature:
Print Name: Joseph Morris, PLS 6192	Print Name:
Title: Director of Land Surveying	Title:
Date: September 4, 2009	Date:

WALLACE GROUP
 A California Corporation
 612 CLARION CT
 SAN LUIS OBISPO
 CALIFORNIA 93401
 T 805 544-4011
 F 805 544-4294
 www.wallacegroup.us

CONTRACT AMENDMENT



Project Name: Nipomo Intertie Line	CA No. 8
Client Name: AECOM	Project/Phase No. 0532-0024
Attention: Josh Reynolds, Professional Engineer	Date: November 9, 2009
Address: 1194 Pacific Street, Suite 204, San Luis Obispo, California 93401	

- CIVIL ENGINEERING
- CONSTRUCTION MANAGEMENT
- LANDSCAPE ARCHITECTURE
- MECHANICAL ENGINEERING
- PLANNING
- PUBLIC WORKS ADMINISTRATION
- SURVEYING / GIS SOLUTIONS
- WATER RESOURCES
- WALLACE SWANSON INTERNATIONAL

Wallace Group requests the Client's authorization to proceed with revisions to the contract agreement for the above referenced project as herein described. Approval below incorporates this document as a part of the original contract dated August 4, 2008. If approved, please return one signed original Contract Amendment to Wallace Group.

Description and Purpose of the Revision(s)

1. Legal Descriptions and Exhibits for Temporary Construction Easements

The original scope did not anticipate the temporary construction easements nor the level of work required. We are still not complete on this work and we anticipated doing all at once.

Revision(s) Represent:

- a change in previous instructions
- a change in scope of services
- other:

Revision(s) Fee:

- hourly (time & materials)
- progress billing: \$
- not-to-exceed w/o authorization: \$6,000

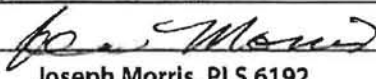
Revision(s) will be Invoiced as:

- increase to an item within the existing contract
- a new item added to existing contract

Issued by,

Wallace Group, a California Corporation

Approved by Client

Signature: 	Signature:
Print Name: Joseph Morris, PLS 6192	Print Name:
Title: Director of Surveying	Title:
Date: November 9, 2009	Date:

WALLACE GROUP
A California Corporation

612 CLARION CT
SAN LUIS OBISPO
CALIFORNIA 93401

T 805 544-4011
F 805 544-4294

www.wallacegroup.us

CONTRACT AMENDMENT

Project Name: Nipomo Intertile Line	CA No. 9
Client Name: AECOM	Project/Phase No. 0532-0024
Attention: Josh Reynolds, PE	Date: November 20, 2009
Address: 1194 Pacific Street, Suite 204, San Luis Obispo, California 93401	



Wallace Group requests the Client's authorization to proceed with revisions to the contract agreement for the above referenced project as herein described. Approval below incorporates this document as a part of the original contract dated August 4, 2008. If approved, please return one signed original Contract Amendment to Wallace Group.

Description and Purpose of the Revision(s)

The Nipomo Community Services District (NCSD) desires to build a pump station and reservoir on a portion of land owned by the Linda Vista Farms Association Inc., ACA Corporation. We understand that NCSD desires to create a "Public Lot" over that portion of Lot 4, Tract 2034, filed in 18/MB/78, (PIQ.) Our Scope of Services is limited to that portion of the PIQ.

SCOPE OF SERVICES

Task 1: Tentative "Public Lot" Map

Estimated Fee: \$4,500

- Attend a pre-application meeting with the County of San Luis Obispo Planning Department. The intent of this meeting will be to discuss the proposed "Public Lot" and to receive the County's pre-application notes and checklist.
- Contact Title Company and order an updated preliminary title report and easement documents.
- Perform a topographic and partial boundary survey in the area near the proposed "Public Lot" to densify the aerial mapping.
- Prepare Tentative "Public Lot" Map showing a record boundary of the "parent parcel," the proposed "Public Lot" boundary, partial topography, and existing and proposed easements. Show the previously prepared image for the remainder of the property for the Tentative "Public Lot" Map.
- Complete a County Planning application and prepare and submit the application package.

Task 2: Legal Descriptions and Exhibits

Estimated Fee: \$1,000

- Prepare a legal description and exhibit for two (2) parcels: the "Public Lot" and the remainder of the "parent parcel" to be inserted into the County's standard Certificate of Compliance document.

Task 3: Set Monuments and File Record of Survey

Estimated Fee: \$2,500

- Perform field survey to set boundary monuments of the "Public Lot".
- Prepare a Record of Survey map for the "Public Lot" and file with the County Surveyor

Deliverables:

The following deliverables will be submitted to the Client in hard copy and PDF format.

- Tentative "Public Lot" Map
- Legal Descriptions and Exhibits
- Record of Survey map

CIVIL ENGINEERING
 CONSTRUCTION MANAGEMENT
 LANDSCAPE ARCHITECTURE
 MECHANICAL ENGINEERING
 PLANNING
 PUBLIC WORKS ADMINISTRATION
 SURVEYING / GIS SOLUTIONS
 WATER RESOURCES
 WALLACE SWANSON INTERNATIONAL

WALLACE GROUP
 A California Corporation
 612 CLARION CT
 SAN LUIS OBISPO
 CALIFORNIA 93401
 T 805 544-4011
 F 805 544-4294

www.wallacegroup.us

SCHEDULE

- Month 1: Attend pre-application meeting, prepare Tentative "Public Lot" Map, Client review, submit application
- Months 1-3: County review, address comments
- Months 3-4: Prepare Legal Descriptions and Exhibits, set monuments
- Months 4-6: Record of Survey map prepared and transmitted to County Surveyor



TO BE PROVIDED BY THE CLIENT

- Title company fees and services for preliminary title reports, deed preparation, and document recording
- County checking fees (portions of these fees may be waived)
- Project Engineer to attend over the pre-application meeting with County Planner
- Owners signatures of all deed and Certificate of Compliance documents
- Property acquisition consultant, NCSO, and/or Client to make all property Owner contacts and negotiations
- Alert occupants and property Owners in advance of survey

ADDITIONAL SERVICES

The following services are not included in this Scope of Services or estimate of fees; however, Wallace Group can provide them upon request:

- Additional survey and mapping if required by County Planning Department
- Engineering
- Utility coordination
- Additional legal descriptions for future easement purposes
- Attend hearings if required

Revision(s) Represent:

- a change in previous instructions
- a change in Scope of Services
- other:

Revision(s) Fee:

- hourly (time & materials)
- progress billing: \$
- not-to-exceed w/o authorization: \$8,000

Revision(s) will be invoiced as:

- increase to an item within the existing contract
- a new item added to existing contract

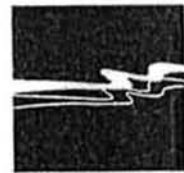
Issued by,

Wallace Group, a California Corporation

Approved by Client

Signature: <i>Joe Morris</i>	Signature:
Print Name: Joseph T. Morris, PLS 6192	Print Name:
Title: Director of Surveying	Title:
Date: November 20, 2009	Date:

CONTRACT AMENDMENT



WALLACE GROUP®

Project Name: Nipomo Intertie Line	CA No. 10
Client Name: AECOM	Project/Phase No. 0532-0024
Attention: Josh Reynolds, PE	Date: November 20, 2009
Address: 1194 Pacific Street, Suite 204, San Luis Obispo, California 93401	

- CIVIL ENGINEERING
- CONSTRUCTION MANAGEMENT
- LANDSCAPE ARCHITECTURE
- MECHANICAL ENGINEERING
- PLANNING
- PUBLIC WORKS ADMINISTRATION
- SURVEYING / GIS SOLUTIONS
- WATER RESOURCES
- WALLACE SWANSON INTERNATIONAL

Wallace Group requests the Client's authorization to proceed with revisions to the contract agreement for the above referenced project as herein described. Approval below incorporates this document as a part of the original contract dated August 4, 2008. If approved, please return one signed original Contract Amendment to Wallace Group.

Description and Purpose of the Revision(s)

- Task 1: Field survey for topographic map and right-of-way determination on Grand Avenue.
- Task 2: Provide office support to research right-of-way and draft final Topographic Map.

Revision(s) Represent:

- a change in previous instructions
- a change in Scope of Services
- other:

Revision(s) Fee:

- hourly (time & materials)
- progress billing: \$
- not-to-exceed w/o authorization: \$1,890

Revision(s) will be invoiced as:

- increase to an item within the existing contract
- a new item added to existing contract

Issued by,

Wallace Group, a California Corporation

Approved by Client

Signature: <i>Joseph T. Morris</i>	Signature:
Print Name: Joseph T. Morris, PLS 6192	Print Name:
Title: Director of Surveying	Title:
Date: November 20, 2009	Date:

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660 Clarion Court, Suite A
San Luis Obispo, California 93401
Tel: (805) 542-0797
Fax: (805) 542-9311

June 23, 2009
Project No. 3044.076

AECOM
1194 Pacific Street, Suite 204
San Luis Obispo, California 93401

Attention: Mr. Cesar Romero

Subject: Proposal for Additional Geotechnical Services, Nipomo-Santa Maria Water Intertie,
Blosser Road to Tefft Street, Nipomo Community Services District, California

Dear Mr. Romero:

Fugro is pleased to submit this proposal to provide additional geotechnical services for the Nipomo-Santa Maria Water Intertie project in Nipomo, California. The purpose of our services will be to provide additional exploration, laboratory testing, analyses, and geotechnical recommendations for the steel casing below the Santa Maria levee at the northern terminus of Blosser Road. Previously the pipe was estimated to be approximately 10 to 15 feet below the levee elevation (el.) 180. Based on the information provided by AECOM in their June 1, 2009 email, we understand that steel casing for the pipeline will have a bottom elevation of about 162 feet.

This proposal presents our scope of work, schedule, and fee estimate to provide the requested additional services.

SCOPE OF WORK

1. To initiate the project, we will consult the members of the design team. The purpose of the initial consultation will be to review our approach to providing geotechnical services, to coordinate site access, and to define the goals for the project. We assume that site access and any right-of-entry needed for our field exploration will be provided to us.
2. We will prepare a health and safety plan for our work, and visit the site to coordinate access for field exploration. We will mark the locations of the explorations and contact Underground Services Alert (USA) to review the locations relative to underground utilities. Fugro will not be responsible for damages resulting from buried structures or underground utilities that are not brought to our attention and properly marked at the site.
3. We will provide a day field effort to explore the site using a truck-mounted drill rig equipped with hollow-stem-augers. During that period we expect to drill one (1) borings to a depth of approximately 80 feet.



The borings will be sampled at approximately 5-foot intervals using standard penetration test (SPT) and modified California split spoon samplers. Bulk samples of selected materials will be obtained from the cuttings retrieved from the auger flights. The borings will be backfilled with the soil cuttings. The samples will be used to classify the soil encountered, and will be retained for subsequent laboratory testing. A PID meter will be used to take vapor readings of the soils samples obtained to make a "gassy" determination for the jack and bore operation.

This scope of work specifically excludes the search for, and evaluation of hazardous materials in soil, water, or air. In the event that hazardous materials are encountered during field exploration, Fugro will be required to report the contamination and to follow protocols required by various agencies. The cost for work performed in association with the discovery of hazardous material will be provided on a time and materials basis, and is not included in this proposal.

4. Laboratory tests will be performed on selected samples obtained from the exploration. The types and numbers of tests will be selected based on the results of the field exploration.
5. We will prepare an addendum to the Geotechnical Report for the project. The addendum will include graphics showing the location of the exploration, a log of the exploration, laboratory data, and updated geotechnical data for the deeper pipeline. The addendum will provide an update to the previously obtained geotechnical data, and a discussion of any additional considerations for the proposed boring operation.

SCHEDULE

Field activities will be scheduled based on the availability of access to the site, the availability of field equipment, and the prevailing weather conditions. Typically a drill rig can be scheduled for field exploration within 2 to 3 weeks after receiving notice to proceed. We expect that the report can be completed within about four (4) weeks after the completion of the fieldwork. We can provide information verbally, as it becomes available.

FEE ESTIMATE

Our services will be provided on a time and expense basis in accordance with fee schedule rates in affect at the time of work. Our estimate for the basic services described is enclosed as Plate 1. We will not exceed that amount without the prior authorization of AECOM. Additional services, if requested, can be provided according to fee schedule rates. Invoices will be submitted at monthly intervals for the amount of work completed. This proposal can be considered valid for a period of 30 days, after which time Fugro reserves the right to revise the proposal prior to receiving authorization for our services.

We appreciate the opportunity to be of service. Please contact the undersigned if you have questions or require additional information.



Sincerely,
FUGRO WEST, INC.

A handwritten signature in cursive script that reads "Christopher L. Lovato".

Christopher L. Lovato, P.E.
Project Engineer II

A handwritten signature in cursive script that reads "Jonathan D. Blanchard".

Jonathan D. Blanchard, P.E.
Principal Geotechnical Engineer

The undersigned, under the terms and conditions of the June 17, 2004 AECOM Agreement with Subconsultant (Fugro) for Professional Services, hereby authorizes Fugro to proceed with the scope or services described in this proposal. Fugro is not to exceed the estimated cost of services without prior written approval of Client.

AECOM
1194 Pacific Street, Suite 204, San Luis Obispo, CA 93401

Signature

Name (print)

Title

Date

Copies: Addressee (via email)

Enclosure: Plate 1 – Fee Estimate
 Fee Schedule (January 2009sc)



Task											Total Hours	Total Cost	
	Rate/Hour (2009ec):	\$75	\$95	\$110	\$120	\$140	\$150	\$165	\$185	\$215			
Geotechnical Services:													
1. Coordination and Kickoff						2					1	3	\$ 515
2. Utilities Clearance, HSP and Access				4								4	\$ 480
3. Field Exploration - Drilling				12		2						14	\$ 1,740
4. Laboratory Tests				Unit rates as listed below									\$ 385
5. Evaluation and Draft Addendum Report		3		8		4					2	17	\$ 2,275
6. Final Addendum Report		2				4							\$ 750
													\$ -
Subtotal:		2	3	0	24	0	12	0	0	0	3	38	\$ 6,200

Laboratory Costs (see fee schedule for additional tests)	(see		Other Direct Costs				Billing		ODC Costs
	Rate	No.	Units	Rate	Factor	Factor	Factor		
Total-Dry Unit Weight with moisture, ASTM D2937	\$ 35	5	Rig Mob. Hollow Stem, CME 85 (per hour)	2	\$ 215	1.15	\$	495	
Atterberg Limits, ASTM D4318	\$ 155	0	Drilling, Hollow Stem, CME85 (per hour)	4	\$ 235	1.15	\$	1,081	
Sieve Analysis, ASTM D422	\$ 105	2	Additional Drilling (per hour)	2	\$ 235	1.15	\$	541	
Sand Equivalent, ASTM D2419	\$ 95	0	Chase Truck (per day)	1	\$ 150	1.15	\$	173	
Compaction Curve, ASTM D1557, 4" Mold	\$ 235	0	Crew Mob-demob	0	\$ 150	1.15	\$	-	
Direct Shear, CD 3 points, ASTM 3080	\$ 440	0	Drill crew per diem (2 person)	0	\$ 185	1.15	\$	-	
Direct Shear, CD 3 points, residual ASTM 3080	\$ 590	0		0	\$ -	1.00	\$	-	
Percent Passing #200, ASTM D1140	\$ 70	0	Backhoe with travel (per hour)	0	\$ 125	1.15	\$	-	
UU Triaxial, ASTM D2850	\$ 140	0	CPT Mob./Demobilization (1s)	0	\$ 1,500	1.00	\$	-	
Unconfined Compression, Soil, ASTM D2166	\$ 100	0	CPT Soundings (per day)	0	\$ 3,000	1.00	\$	-	
Unconfined Compression, Rock, ASTM D2938	\$ 130	0	CPT Rig per diem (2 person)	0	\$ 300	1.00	\$	-	
Constant Head Permeability, up to 4"	\$ 325	0	CPT Standby/Dissipation	0	\$ 250	1.00	\$	-	
Flex-wall Permeability, ASTM D5084	\$ 360	0	Granular grout (per foot)	0	\$ 0.50	1.00	\$	-	
Incremental Consolidation with UL-RL, ASTM D2435	\$ 375	0		0	\$ -	1.00	\$	-	
Sieve and Hydrometer, ASTM D422	\$ 175	0	Shoring (per day)	0	\$ -	1.15	\$	-	
Expansion Index, ASTM D4828, UBC 29-1	\$ 225	0	Traffic control and flagging (per day)	0	\$ 1,500	1.15	\$	-	
R-value, Soil, ASTM D2844, Cal 301	\$ 310	0	Bob Tail Dump Truck (per hour)	0	\$ -	1.15	\$	-	
	\$ -	0	Concrete Cores, 10" (each)	0	\$ -	1.15	\$	-	
	\$ -	0		0	\$ -	1.15	\$	-	
	\$ -	0	Pickup Truck (per day)	1	\$ 125	1.00	\$	125	
Soil Chemistry (pH, CL, SO4, R)	\$ 250	0	Field Supplies (PID Meter)	1	\$ 250	1.15	\$	288	
Sample Remold Charge	\$ 85	0	Shipping, Overnight, Copies, etc.	1	\$ 50	1.15	\$	58	
			Subtotal ODC:		\$			2,800	

Estimated Total for Geotechnical Services: **\$ 9,000**

FEE ESTIMATE FOR GEOTECHNICAL SERVICES
 Nipomo-Santa Maria Intertied
 Nipomo, California



660 Clarion Court, Suite A
 San Luis Obispo, California 93401
 Tel: (805) 542-0797
 Fax: (805) 542-9311

**SOUTHERN CALIFORNIA 2009 FEE SCHEDULE
 FOR CONSULTING SERVICES**

PROFESSIONAL STAFF	HOURLY RATE
Staff I Professional	\$ 110
Staff II Professional	120
Project Professional I	140
Project Professional II	150
Senior Professional	165
Associate.....	185
Principal	215
Principal Consultant	240

TECHNICAL AND OFFICE STAFF	
Field Technician/Inspector - Non-Prevailing Wage, Straight Time	95
Field Technician/Inspector - Prevailing Wage, Straight Time	105
Construction Inspector	110
Construction Services Manager	125
Engineering Assistant	110

Office Assistant	60
Word Processor/Clerical.....	75
Laboratory Technician.....	75
Technical Assistant/Illustrator.....	80
Illustrator II	85
CADD Operator	95
GIS Technician.....	95
HSE Manager.....	155

- Overtime Rates for Technical and Office Staff:*
- a. Saturday or over 8 hours/day during weekdays 1.3 x straight time
 - b. Sundays/holidays 1.5 x straight time
 - c. Swing or graveyard shift premium 1.3 x straight time

**Fees for expert witness preparation, testimony, court appearances,
 or depositions will be billed at the rate of \$325 per hour.**

OTHER DIRECT CHARGES	
Subcontracted Services	Cost Plus 15%
Outside Reproduction	Cost Plus 15%
Outside Laboratory.....	Cost Plus 15%
Out-of-Pocket Expenses	Cost Plus 15%
Travel and Subsistence.....	Cost Plus 15%
Field Vehicle and Basic Sampling Equipment	125/day
Specialized Software Applications	30/hr
Finite Element/Finite Difference Packages.....	25/hr
Report reproduction and data reporting costs per staff hourly rates	
Fee Schedule is subject to revision periodically	

LABORATORY AND SPECIALTY TESTING AND EQUIPMENT See Separate Schedules

FUGRO WEST, INC.
2009 FEE SCHEDULE
LABORATORY AND MATERIALS TESTING



CLASSIFICATION TESTS

Moisture Content and Visual Classification (ASTM D2216 / D2488)	\$ 25
Total and Dry Densities (With Moisture Content ASTM D2937)	\$ 35
Add for Shelby Tube with above Tests	\$ 20
Plastic and Liquid (Atterberg) Limits (ASTM D4318)	\$ 155
Specific Gravity (AASHTO T100)	\$ 95
Organic Content (ASTM D2974)	\$ 95
Sand Equivalent (ASTM D2419)	\$ 95
Sieve Analysis (ASTM D422)	\$ 105
Less Than 200 grams of Fine-Grained Soil	
Sieve Analysis (ASTM C136, Cal 202)	
Coarse Fraction	\$ 60
Fine Fraction with Wash	\$ 110
Percent Passing #200 Sieve (ASTM D1140)	\$ 70
Particle Size Analysis -	
Sieve & Hydrometer (ASTM D422)	\$ 175
Quick Hydrometer Analysis	\$ 90

VOLUME CHANGE TESTS

Incremental Consolidation (ASTM D2435)	\$ 375
Additional Load Increment or Time Rate	\$ 60
Quick Cons., max 8 Loads (16 ksf max)	\$ 260
Constant Rate of Strain Consolidation,	
- To 16 ksf max (ASTM D4186)	\$ 425
- With Intermediate Rebound and Reload	\$ 500
Expansion Index (ASTM D4828; UBC 29-1)	\$ 235
Percent Swell (ASTM D2435)	\$ 115
Swell Pressure and	
Percent Swell (ASTM D4546)	\$ 260

STATIC STRENGTH TESTS

Hand Penetrometer	\$ 15
Torvane	\$ 25
Miniature Vane (ASTM D4648)	\$ 50
Miniature Vane, with Residual	\$ 55
Core Compression Test (Excl Stress-Strain)	\$ 80
Unconfined Compression, Soil (ASTM D2166)	\$ 100
Unconfined, Rock (ASTM D2938)	\$ 130
Triaxial Unconsolidated Undrained	\$ 140
(ASTM D2850)	
Triaxial Consolidated Drained	
Single-Stage	\$ 650
Multi-Stage	\$ Quote
Triaxial Consolidated Undrained (w/Pore Pressure)	
Single-Stage (ASTM D4767)	\$ 440
Multi-Stage	\$ Quote
Direct Shear, CD, 3 points (ASTM D3080)	\$ 435
Consolidated Undrained, 3 points	\$ 345
Add for Residual Strength, per point	\$ 50

Note:

Our laboratories are accredited by AASHTO, Caltrans, and the US Army Corps of Engineers

HYDRAULIC CONDUCTIVITY AND OTHER TESTS

Soil Chemistry for Corrosion (pH, chloride, sulfate, resistivity)	\$ 250
pH (soil)	Quote
pH (water)	\$ 30
Permeability - CH up to 4" Diameter	\$ 325
Permeability - CH 6" Diameter	\$ 425
Permeability - Flexible Wall (ASTM D5084)	\$ 360

EARTHWORK TESTS

Standard Proctor, 4 point (ASTM D698)	
- 4-inch mold	\$ 200
- 6-inch mold	\$ 240
Modified Proctor, 4 point (ASTM D1557)	
- 4-inch mold	\$ 235
- 6-inch mold	\$ 275
California Impact Compaction (Cal 216)	\$ 250
Moisture - Density Check Point	
- 4-inch mold	\$ 75
- 6-inch mold	\$ 100
Rock Correction for above	\$ 90
Soil Cement - Moisture/Dens. (ASTM D558)	\$ 275
Index Density and Unit Weight (ASTM D4253)	
Maximum	\$ 315
Minimum	\$ 135
R-Value (ASTM D2844: Cal 301)	\$ 310
Treated Soil	\$ 325
Aggregate Base	\$ 335
Base with Admixture	\$ 350
CBR (One Point) (ASTM D1883)	\$ 340
Proctor Compaction w/above CBR	Extra
Surcharge for Addition of Admixture	\$ 50

AGGREGATE TESTS

Percent passing #200 Sieve for Aggregate (ASTM C117)	\$ 85
Unit Weight and Voids in Aggregate (ASTM C29, Cal 212)	\$ 95
Organic Impurities of Concrete Aggregates (ASTM C40)	\$ 55
Sieve Analysis of Coarse Aggregate (ASTM C136, Cal 202)	\$ 60
Additional Test Increment of 10 kg	\$ 30
Sieve Analysis of Fine Aggregate (ASTM C136, Cal 202)	\$ 110
Specific Gravity & Absorption - Coarse (ASTM C127, Cal 206)	\$ 80
Specific Gravity & Absorption - Fine (ASTM C128, Cal 207)	\$ 125
Cleanness Value (ASTM C142, Cal 227)	\$ 140
Durability Index - Coarse or Fine (ASTM C3744, Cal 229)	\$ 140
Sand Equivalent of Graded Aggregate (ASTM D2419, Cal 217)	\$ 95
Percentage of Crushed Particles (ASTM D5821, Cal 205)	\$ 100
Moisture Content of Aggregate (ASTM C566)	\$ 60

FUGRO WEST, INC.
2009 FEE SCHEDULE
LABORATORY AND MATERIALS TESTING (continued)



AGGREGATE TESTS (cont'd)

Sulfate Soundness - per sieve fraction (ASTM C88, Cal 214	\$ 125
L.A. Abrasion - at 500 revolutions (ASTM C131, Cal 211)	\$ 225

ASPHALT CONCRETE TESTS

Stabilometer Value (ASTM D1560, Cal 366) \$	160
Lab Compacted Unit Weight - Paraffin Coated Each Briquette (ASTM D1188, Cal 308A). \$	110
Surcharge for Rubberized AC for Above \$	20
Unit Weight of Asphalt Cores or Slabs	\$ 85
Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures (ASTM D2041) \$	150
Extraction and Sieve Analysis of Asphalt Mixtures (ASTM D2172 & D5444)..... \$	315
Asphalt Content by Ignition (ASTM D6307, CT382)	\$ 150
Calibration Curve for Ignition Test	\$ 300

CONCRETE, MASONRY, AND STEEL TESTS

Concrete Compression	
Each 6 x 12 or 4x8 Cylinder (ASTM C39)...	\$ 30
Hold or Additional Test	\$ 30
Light Weight Concrete (CTM 548)	\$ 40
Cylinder Molds with Lids	\$ 8
Compression of Cored Concrete or Masonry Specimen Including End Preparation (ASTM C42).....	\$ 90
Soil-Cement Compression (ASTM D1633) ...	\$ 40
Shrinkage of Mortar and Concrete 3 Bars; Site Delivery & Pick Up Extra (ASTM C157).\$	440
Unit Weight of Concrete Cylinders - Air Dry ... \$	30
Unit Weight of Concrete Cylinders - Oven Dry \$	40
Shotcrete Panel - Lab Coring & Compression - 3 cores (ASTM C42).....	\$ 375
Grout Prism Compression - each (ASTM C39) \$	45
Mortar Cylinder Compression - each (ASTM C39).....	\$ 35
Composite Prism Compression (ASTM E447) - 8x8	Quote
- 8x12	Quote
- 8x16	Quote
CMU/Concrete Block Compression (ASTM C140).....	Quote
Site Pick up - Concrete Specimens - each.. \$	13
Site Pick up - Masonry Specimens - each.. \$	13
Site Pick up - Shotcrete Panel - each... \$	60
Site Pick up - Composite Prism - each..... \$	25
Absorption & Moisture of CMU/Concrete Blocks\$	95
Concrete Moisture Emission Test Kit - each [Technician Time Extra].....	\$ 60
Rebar - Tensile and Bend (ASTM A-370)	Quote

MISCELLANEOUS LABORATORY TESTS AND CHARGES

Sample Remold Surcharge	\$ 85
Special Processing	Hourly Rates
Extrude Tube Sample and Visual Classification \$	70
Sample Tube Cutting, each cut	\$ 25
Sample Preparation - Non-Routine	\$ 100
Steel Drum - 55 Gallon with Lid	\$ 80
Gas Powered Generator	\$ 80
Shelby Tube with Caps	\$ 45
Addition of Soil Admixtures and Curing	\$ 95
Capping of Strength Test	\$ 40
Weight Analysis of Roofing Materials (ASTM D2829).....	\$ 50
Density of Sprayed on Fireproofing Materials . \$	60
Asphalt Slurry Seal Wet Track Abrasion (ASTM D3910)	\$ 70
Static Friction Test - Per Surface Location (ASTM C1028) ...	\$ 375
FerroScan Rebar Locator - per half day... \$	120
Coring Equip/Bit Charge - per half day..... \$	85
Bit Charge - Difficult Materials - per half day.. \$	100
Specimen End Prep - Less than 4" Diameter - per cut.....	\$ 12
- 4" to 8" Diameter - per cut	\$ 18
Special Capping of Specimen	\$ 40
Patch or Grout Core Hole	\$ 35
Photograph of Sample	\$ 50
Additional Copies of Photographs	Cost + 15%
Local Site Pick up of Bulk or AC Sample - within 30-mile radius, per sample.....	\$ 60

NOTES:

- 1) Rates for other tests and test variations can be furnished on request.
- 2) Rates for Asphalt Concrete, Lime/Cement Admixture, and Portland Cement Concrete mix designs and testing can be furnished upon request.
- 3) The following are included at NO CHARGE: visual classification with all strength and volume change tests, natural water content and density with all triaxial compression and volume change tests.
- 4) Rush assignments are subject to a 25% surcharge.
- 5) Weekend or Holiday test assignments are subject to a 50% overtime surcharge
- 6) Testing for contaminated samples (EPA Level C & D) will be invoiced at 1.5 times listed rates.
- 7) Sample shipment or other outside costs at Cost + 15%.

FUGRO WEST, INC.
2009 FEE SCHEDULE
FIELD EQUIPMENT AND SUPPLIES



FIELD INSTRUMENTATION/EQUIPMENT

Inclinometer Probe and Readout Device.....	\$ 185/day	Baroid Drilling Fluid Test Kit.....	\$ 30/day
Rotary Hammer.....	\$ 40/day	Conductivity Probe (in situ)	\$ 55/day
Portable Photoionization Detector (PID)	\$ 125/day	CPN Corp. Hydroprobe	\$ 75/day
Gas Tech	\$ 25/day	Double-Ring Infiltrometer	\$ 75/day
Portable Flame Ionization Detector (FID)...	\$ 150/day	Downhole Soil Samplers	\$ 75/day
Field Computer.....	\$ 30/day	(1½-inch California liner, SPT)	
Manometer	\$ 55/day	Fisher TW-6 Metal Detector	\$ 50/day
Dynamic or Stainless Steel Penetrometer..	\$ 50/day	Gas Powered Generator	\$ 80/day
Brass or Stainless Steel Sample Sleeves ..	8/each	Groundwater Modeling Software.....	\$ 25/day
Well Bailer - Disposable	\$ 15/each	Hermit 1000C and Transducer.....	\$ 135/day
Keyed-Alike Locks.....	\$ 8/each	ISCO Peristaltic Air Pump	\$ 25/day
55-gallon Drum.....	\$ 80/each	Positive Displacement Pump	\$ 25/day
Field Filter	\$ 25/unit	Temperature-pH-Conductivity Meter	\$ 25/day
Nuclear Gauge	\$ 50/day	Transducer (in situ)	\$ 75/day
Stainless Steel Hand-Auger Sampler.....	\$ 50/day	Water Level Recorder	\$ 20/day
Teflon Tape - 4" roll.....	\$ 35/roll	Water Sampling Pump	\$ 200/day
Liquinox.....	\$ 20/bottle	(Bladder Pump or Electric Submersible)	
Tyvek	\$ 15/each	Water Sampling Pump (Well Wizard).....	\$ 200/day
Respirator Cartridges	\$ 10/set	Well Bailer - Standard	\$ 25/day
Bulk Sample Bags.....	\$ 4/each	Disposable Camera.....	\$ 15/each
Water Level Indicator	\$ 20/day	Digital Camera	\$ 25/day
Kernlevel	\$ 20/day		
Well Cap 2"	\$ 22/each		
12 Channel Seismograph.....	\$ 150/day		
2-inch Diameter Water Meter	\$ 20/day		
4-inch Diameter Water Meter	\$ 40/day		
Asphalt Patch.....	Cost +15%		

TO: BOARD OF DIRECTORS
FROM: MICHAEL LEBRUN *ML*
DATE: DECEMBER 3, 2009

**AGENDA ITEM
E-10
DEC 9, 2009**

WATERLINE INTERTIE PROJECT CONSISTENCY REVIEW AGREEMENT
WITH THE CITY OF SANTA MARIA

ITEM

Authorize execution of Waterline Intertie Project Consistency Review Agreement with the City of Santa Maria [AUTHORIZE EXECUTION OF AGREEMENT]

BACKGROUND

On December 1, 2009, the City of Santa Maria City Council considered the Wholesale Water Supply Agreement between the District and the City. Council expressed concerns that a water pump station, that may be needed if Phase III of the project is pursued, should be consistent with the City's general plan.

The City will consider approval of the Wholesale Water Agreement on December 15, 2009. City staff requested the District consider the Consistency Review Agreement in order to address Council concerns.

FISCAL IMPACT

Development of this draft did use previously budgeted staff time and legal consulting cost.

RECOMMENDATION

Staff recommends that the Board adopt the agreement and transmit it to the City for final action.

ATTACHMENTS

- Proposed Consistency Agreement

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WATERLINE INTERTIE PROJECT CONSISTENCY REVIEW AGREEMENT

This Waterline Intertie Project Consistency Review Agreement ("Agreement") is made and entered into as of _____, 2009, by and between the CITY OF SANTA MARIA ("City"), a California municipal corporation, and NIPOMO COMMUNITY SERVICES DISTRICT ("NCSD"), an independent special district formed under and pursuant to Section 61000, *et seq.* of the California Government Code. City and NCSD are sometimes individually referred to herein as a "Party" and collectively as the "Parties".

RECITALS

A. NCSD has approved a Wholesale Water Supply Agreement between NCSD and the City on October 28, 2009. The City Council of Santa Maria will be approving this Agreement.

B. NCSD will be constructing a Waterline Intertie Project (Project) to connect the City's water system with the NCSD water system. The Project will involve pipelines, tanks, valves and pumps. Future phases of the Project may require the construction of a pumping facility near the City.

C. The City desires aesthetic review of the building and grounds needed to house the pumping facilities.

NOW THEREFORE, in consideration of the foregoing recitals and the promises and covenants contained herein, the Parties agree follows:

Pump house facilities located in the City shall be found consistent with the City of Santa Maria General Plan by the Planning Commission.

[Signatures follow on the next page]

IN WITNESS WHEREOF, the Parties have executed this agreement as of the date first written above.

CITY:

NCSD:

City of Santa Maria
a California municipal corporation

NCSD Community Services District
a California public agency

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Address: _____

Address: _____

Fax: _____

Fax: _____

Phone: _____

Phone: _____