

TO: BOARD OF DIRECTORS  
FROM: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER  
DATE: OCTOBER 7, 2011



## PRESENTATIONS AND REPORTS

- C-1) MIKE NUNLEY OF AECOM  
Update Report re: Southland Wastewater Treatment Plant Upgrade
- C-2) NCSD DISTRICT ENGINEER PETER SEVCIK  
Update Report re: Recent Activities
- C-3) DIRECTORS' ANNOUNCEMENTS OF DISTRICT & COMMUNITY INTEREST AND  
REPORTS ON ATTENDANCE AT PUBLIC MEETINGS, TRAINING PROGRAMS,  
CONFERENCES, AND SEMINARS  
Receive Announcements and Reports from Directors
- C-4) RECEIVE PUBLIC COMMENT ON PRESENTATIONS AND REPORTS  
PRESENTED UNDER ITEM C AND BY MOTION RECEIVE and FILE  
PRESENTATIONS AND REPORTS

T:\BOARD MATTERS\BOARD MEETINGS\BOARD LETTER\2011\PRESENTATIONS AND REPORTS\10-12-11 PRESENTATIONS AND REPORTS.DOCX

TO: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER

FROM: PETER V. SEVCIK  
DISTRICT ENGINEER

DATE: October 6, 2011



## **SOUTHLAND WWTF UPGRADE PROJECT UPDATE**

### **ITEM**

Mike Nunley of AECOM Inc. to provide Southland WWTF Upgrade Project status [NO ACTION REQUESTED].

### **BACKGROUND**

Mike Nunley is scheduled to summarize the attached report.

### **RECOMMENDATION**

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

### **ATTACHMENTS**

- October 2011 Southland WWTF Upgrade Design Phase Status Report

## Memorandum

To	Michael LeBrun, PE, General Manager Peter Sevcik, PE, District Engineer	Page	1
CC	Jon Hanlon, Eileen Shields		
Subject	Southland WWTF Phase 1 Improvements – Design Phase Status Report		
From	Michael K. Nunley, PE		
Date	October 7, 2011		

The Project Team has completed the following items this month:

1. AECOM has continued work towards the draft final construction documents, which are scheduled for submittal on October 26<sup>th</sup>.
2. We are working with District staff to fulfill the requirements for crossing the CCWA waterline with the treated effluent line and obtain a permit from DWR. A temporary permit was received to pothole the waterline and draft potholing plans have been submitted to District staff for review.
3. Firma, AECOM's subconsultant, is starting work on the draft landscaping plan.

### Schedule

The Project Schedule is attached. The schedule has been updated to reflect the current project status, considering the draft final submittal and review, the EIR schedule, and the permitting schedule. The WDR issuance date was estimated based on the discussion with RWQCB staff and this year's RWQCB Board schedule. This target date is yet to be confirmed with RWQCB staff, and will be updated as permitting proceeds.

### Budget Status

The Invoice Summary is attached. The project budget is attached and has updated to reflect the 95% design.

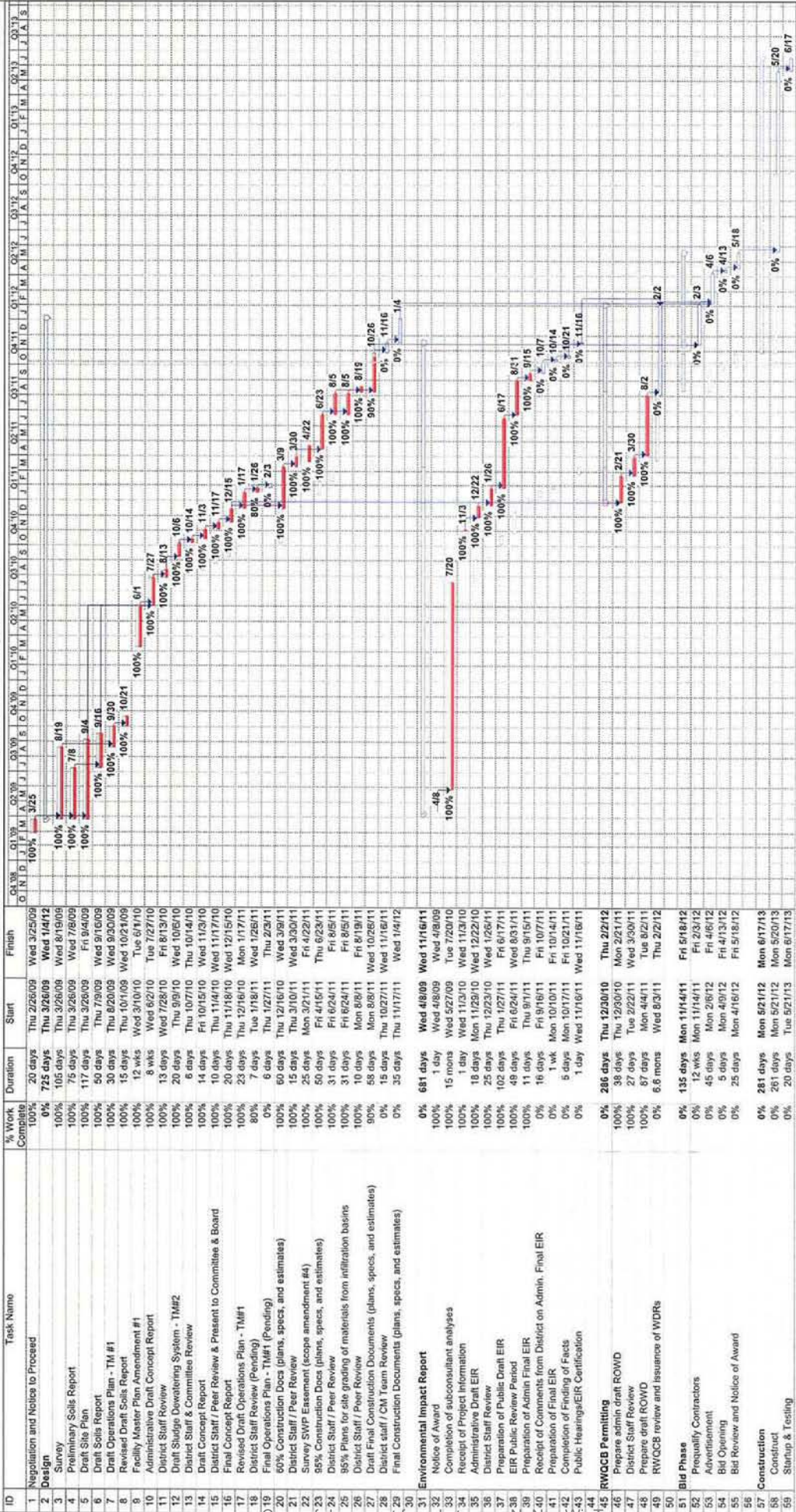
Yours Sincerely,



Michael K. Nunley, PE

Enclosures: Project Schedule, Invoice Summary, Project Budget Summary

Southland WWTF Phase 1 Improvements Design Schedule



Task Progress Baseline

Project: Southland Design & 03/09  
Date: Fri 10/7/11

Milestone: Baseline Milestone Summary

Roll Up: Critical Task Roll Up Milestone Roll Up Baseline

Roll Up: Baseline Milestone Split Baseline Split

External Tools: Group By Summary Baseline



Project Budget Summary

9/30/2011

Engineering Services for NCSD - Southland WWTF Upgrade

Nipomo CSD

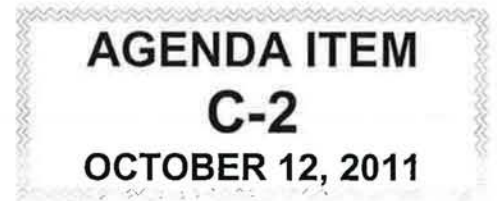
	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	% of Work Complete
Task Group 1 - Concept Design Phase	\$249,736.00	\$247,303.12	\$0.00	99%	99%
Task Group 2 - Construction Documents	\$723,102.00	\$608,275.98	\$64,107.45	93%	93%
Task Group 3 - Project Management	\$120,852.00	\$94,585.05	\$3,415.50	81%	81%
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%
Task Group 6 - Amendment 1 Facility MP	\$37,020.00	\$37,131.75	\$0.00	100%	100%
Task Group 7 - Waste Discharge Report	\$30,130.00	\$26,349.03	\$270.00	88%	88%
Task Group 8 - Prequalification Program	\$24,798.00	\$0.00	\$0.00	0%	0%
<b>Total</b>	<b>\$1,372,375.00</b>	<b>\$1,013,644.93</b>	<b>\$67,792.95</b>	<b>79%</b>	<b>77%</b>

Item	Description	Estimated Project Costs
1	Influent Pump Station & Flowmeter	\$ 427,900
2	Spiral Screening System	\$ 422,400
3	Grit Removal System	\$ 276,400
4	Extended Aeration System	\$ 1,163,200
5	Secondary Clarifier	\$ 1,330,400
6	Sludge Thickening System	\$ 279,600
7	Emergency Holding Basin	\$ 69,400 (3)
8	Sludge Drying Beds	\$ 716,700
9	Controls & Blower Building	\$ 272,900
10	Non-Potable Plant Water System	\$ 230,100
11	Site Piping	\$ 1,340,500 (4)
12	Instrumentation & Controls	\$ 306,400
13	Electrical	\$ 723,500
14	Site Work	\$ 317,000
	<b>Construction Subtotal</b>	<b>\$ 7,876,000</b>
15	Construction Contingency	\$ 1,181,400 (5)
	<b>Construction Total</b>	<b>\$ 9,057,000 (1)(2)(12)</b>
16	Environmental Impact Report	\$ 109,170
17	Design-Phase Engineering	\$ 1,372,375 (6)
18	Construction Management	\$ 1,181,400 (7)
19	Environmental Mitigation & Monitoring Allowance	\$ 142,500 (8)
20	Permitting Fees Allowance	\$ 5,000 (9)
21	Non-Construction Contingency Allowance	\$ 127,555 (10)
	<b>WWTF Phase 1 Improvements Estimated Total</b>	<b>\$ 11,995,000 (11)</b>

Notes:

- (1) ENR CCI (June 2011) = 9080
- (2) Costs are escalated by 2% per year to midpoint of construction (estimated 7/3/2012)
- (3) The emergency holding basin cost has been reduced based on relocation to Aeration Basin #2 (for Phase 1), eliminating the need for construction of a separate basin.
- (4) The site piping cost opinion has increased based on refined number of fittings, valves, and revised lengths.
- (5) Construction contingency is estimated at 15% of construction subtotal.
- Design-Phase engineering costs are a sum based on original contract (May 2009), and scope amendments #1 (Jun 2009), #2 (Mar 2010), #3 (Sept 2010), #4 (Mar 2011), and #5 (July 2011).
- (6) To be updated by CM team; Construction Management costs estimated at 15% of construction subtotal.
- (7) Environmental mitigation and monitoring costs are provided as an allowance. These costs will be further developed with the EIR process.
- (8) Permitting fees are estimated and provided as an allowance. These costs will be further developed with the EIR process.
- (9) Non-construction contingency allowance is for non-construction project-related expenses.
- (10) Town Sewer System Financial Plan, August 24, 2007, assumes \$12 million project costs to be funded as follows:
  - \$8.9 million from new long-term debt (\$10.6 million par value)
  - \$2.6 million from Town Sewer Funded Replacement Fund
  - \$0.5 million from Town Sewer Capital Improvement Fund
- (11) Construction cost opinion (line items 1 through 15) are based on June 2011 95% design documents

TO: BOARD OF DIRECTORS  
FROM: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER  
DATE: OCTOBER 7, 2011



**NCSD DISTRICT ENGINEER ACTIVITIES SUMMARY**

**ITEM**

District Engineer Update on Recent Activities [NO ACTION REQUESTED].

**BACKGROUND**

Peter Sevcik is scheduled to summarize the attached report.

**RECOMMENDATION**

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

**ATTACHMENT**

- District Engineer Activities Summary



# NIPOMO COMMUNITY SERVICES DISTRICT

148 SOUTH WILSON STREET  
POST OFFICE BOX 326  
NIPOMO, CA 93444 - 0326  
(805) 929-1133 FAX (805) 929-1932  
Web site address [www.ncsd.ca.gov](http://www.ncsd.ca.gov)

## MEMORANDUM

TO: MICHAEL S. LEBRUN, P.E., GENERAL MANAGER  
FROM: PETER V. SEVCIK, P.E., DISTRICT ENGINEER  
DATE: OCTOBER 6, 2011  
RE: DISTRICT ENGINEER ACTIVITIES UPDATE

### PROJECTS IN CONSTRUCTION

#### • Willow Road Waterline Extension Phase 1 Project

- SCOPE OF WORK – 1,260 lineal feet of 14-inch diameter and 6,280 lineal feet of 12-inch diameter waterline and associated ancillary facilities
- Concurrent with County Willow Road Phase 1 Roadway Project
- BUDGETED PROJECT COST \$1,300,000
- STATUS – Waiting on Final Accounting From San Luis Obispo County

Item	Description	Contract Amount
1	Design and Construction Management	\$258,975
2	Construction Deposit to County	\$663,120
3	Construction Contingency	\$66,300
<b>Estimated Total Project Cost</b>		<b>\$988,395</b>

#### • Willow Road Waterline Extension Phase 2 Project

- SCOPE OF WORK – 3,115 lineal feet of 12-inch diameter waterline and associated ancillary facilities
- Concurrent with County Willow Road Phase 2 Roadway Project
- BUDGETED PROJECT COST \$540,000
- STATUS – Waterline 95% complete

Item	Description	Contract Amount
1	Design and Construction Management	\$151,890
2	Construction Deposit to County	\$257,892
3	Construction Contingency	\$25,800
<b>Estimated Total Project Cost</b>		<b>\$435,582</b>



- **Frontage Road Trunk Sewer Replacement Project**

- SCOPE OF WORK – 1,100 lineal feet of 24-inch diameter and 3,160 lineal feet of 21-inch diameter sanitary sewer and associated ancillary facilities
- BUDGETED PROJECT COST \$2,200,000
- STATUS – Construction in Progress

Item	Description	Contract Amount
1	Design	\$130,917
2	Construction Management	\$258,630
3	Construction Management Contingency	\$25,000
	<b>Subtotal</b>	<b>\$414,547</b>
3	Construction Contract	\$1,459,236
4	Construction Contingency	\$150,000
	<b>Subtotal</b>	<b>\$1,609,236</b>
	<b>Estimated Total Project Cost</b>	<b>\$2,023,783</b>
<b>Construction Contract Cost Summary</b>		
5	Contract	\$1,459,236.00
6	Change Orders	\$1,785.00
7	Revised Contract	\$1,461,021.00
8	Completed to Date	\$112,613.00
9	Less 10% Retention	\$11,261.30
10	Total Invoiced	\$101,351.70

**PROJECTS IN DESIGN AND PLANNING STAGES**

- **Southland WWTF Upgrade**

- SCOPE OF WORK - Phase 1 improvements to the treatment plant include a new influent pump station, influent screening system, grit removal system, Biolac® extended-aeration system and final clarifier as well as gravity belt thickener and lined drying beds for biosolids handling
- Draft Administrative Final EIR in progress
- BUDGETED PROJECT COST \$12,000,000
- STATUS – Draft Final Design in progress

- **Supplemental Water Project**

- SCOPE OF WORK – 2,600 lineal foot 24-inch diameter HDD bore, 16,000 lineal feet of 12-inch diameter waterline, 210 lineal foot freeway crossing jack and bore, 4,000 lineal feet of 18-inch diameter waterline, 2,480 lineal feet of 24-inch waterline, 300 lineal foot levee crossing jack and bore, 2,000 gallon per minute pump station, 500,000 gallon tank, and 4 wellhead chloramination systems
- Continue to assist property acquisition consultant and assessment engineer
- Developing schedule and cost to restart design
- BUDGETED PROJECT COST \$25,300,000
- STATUS – Design idled, property acquisition in progress, permitting in progress, assessment district formation in progress

- **Water and Sewer Master Plan Implementation**
  - SCADA Upgrade Project Request for Proposals Issued 10/5/2011
  - Standpipe Mixing Project in planning stage
  - Blacklake Well #4 Optimization Project in planning stage

#### **OTHER PROJECTS AND PROGRAMS**

- **Safety Program**
  - Annual hearing testing for operations employees 9/20
  - Continued to coordinate on-line safety training for all District Employees
- **Development Oversight**
  - Tract 2650 – Via Concha – Margarita Valley Ranch LLC
  - Hillside Terrace Apartments – Hill and Blume – Bill Kengel
  - Maria Vista Estates – Sequoia Financial and Rialto Capital

#### **MEETINGS**

- 9/13, NMMA
- 9/15, NMMA Public Meeting
- 9/16, CSDA SLO
- 9/20, Southland WWTF Finance Meeting
- 9/20, Supplemental Water Project Finance Meeting
- 9/20, Supplemental Water Project All-Hands Meeting
- 9/21, Maria Vista Estates, Rialto Capital
- 9/22 and 9/23, SLO County Supplemental Water Project Assessment
- 9/26, AECOM, Supplemental Water Project Design Status
- 10/5, AECOM, Supplemental Water Project Design Restart
- 10/6, SLO County, Supplemental Water Project Assessment