

TO: BOARD OF DIRECTORS

FROM: DON SPAGNOLO
GENERAL MANAGER



DATE: SEPTEMBER 1, 2010



SOUTHLAND WWTP UPGRADE PROJECT UPDATE

ITEM

Mike Nunley of AECOM Engineering re Southland wastewater treatment plant upgrade project status [NO ACTION REQUESTED].

BACKGROUND

Attached is the latest Monthly Report from AECOM along with a draft project Budget.

It should be noted that the Board has already funded the proposed project and the District already owns the land for construction.

RECOMMENDATION

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

ATTACHMENT

- Monthly Report

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Memorandum

To	Don Spagnolo, PE, General Manager - NCSD	Page	1
CC	Peter Sevcik, Jon Hanlon, Eileen Shields		
Subject	Southland WWTF Phase 1 Improvements – Design Phase Status Report		
From	Michael K. Nunley, PE		
Date	September 1, 2010		

The Project Team has completed the following items this month:

1. AECOM finalized the Master Plan Amendment and provided copies to the District.
2. AECOM received comments from District staff on the administrative draft Concept Design Report and discussed them with the District engineer.
3. District staff and AECOM met with Regional Water Quality Control Board (RWQCB) staff to discuss concerns regarding effluent quality, provide a project status update, and discuss permitting requirements. RWQCB staff agreed to begin the permitting process before EIR certification, allowing an earlier projected start of construction. Waste Discharge Requirements, however, will not be approved until after EIR certification.
4. AECOM prepared Scope Amendment #3 for the District's consideration.

Schedule

The Project Schedule is attached. A baseline was set at the August 4, 2010, the last submitted schedule, based on the District's request. The schedule has been updated to reflect changes per Scope Amendment #3 and discussions with RWQCB regarding permitting.

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 been updated based on the WWTF Master Plan Amendment.

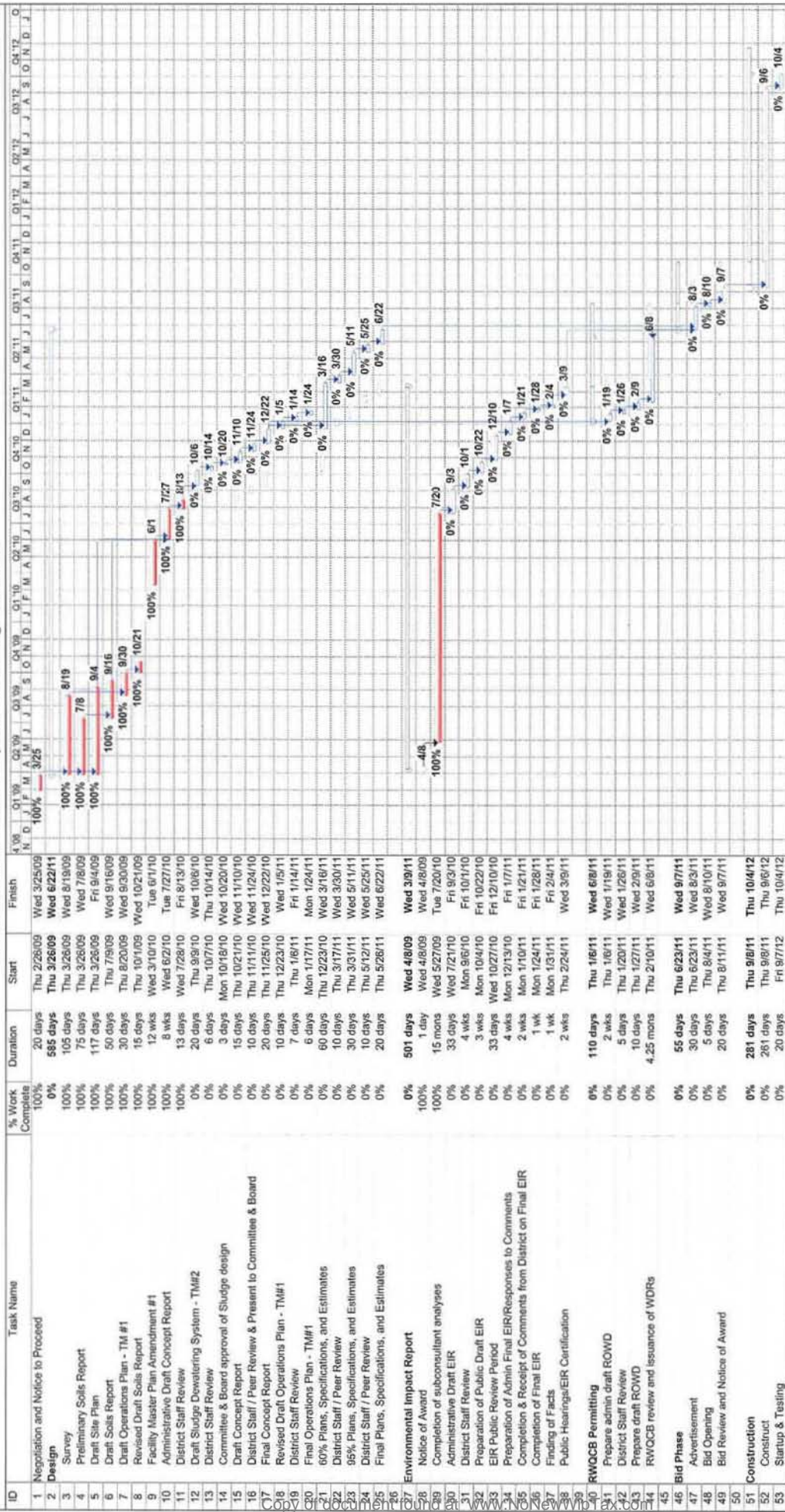
Yours Sincerely



Michael K. Nunley, PE

Enclosures: Project Schedule
Invoice Summary
Project Budget Summary

Southland WWTF Phase 1 Improvements Design Schedule



Milestone
 Baseline Milestone
 Summary

Task
 Progress
 Baseline

Roll Up Critical Task
 Roll Up Milestone
 Roll Up Baseline

External Tasks
 Group By Summary
 Deadline

Project: Southland Design & EA 09
 Date: Tue 8/31/10
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Project Budget Summary

8/27/2010

Northland WWTF Upgrade

Nipomo CSD

	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	% of Work Complete
Design	\$195,123.00	\$175,393.21	\$11,397.51	96%	96%
Permits	\$478,948.00	\$20,843.73	\$0.00	4%	4%
Construction	\$68,787.00	\$35,248.50	\$14,247.90	72%	72%
Contingency	\$39,539.00	\$0.00	\$0.00	0%	0%
Utilities	\$147,198.00	\$0.00	\$0.00	0%	0%
MP	\$37,020.00	\$37,020.00	\$0.00	100%	100%
	\$966,615.00	\$268,505.44	\$25,645.41	30%	30%

Date Printed 9/1/2010

Item	Description	Budgeted Amount		Updated Amount	
		Jan 2009 Master Plan	(1)(2)(3)	2010 MP Amendment	(9)(10)
1	Frontage Road sewer upgrade (street to influent pump station)	\$366,000	(4)(5)	--	(11)
2	Influent pump station upgrade	\$670,900		\$571,600	
3	Influent screening system	\$327,400		\$371,600	
4	Grit removal system	\$402,700		\$284,100	(12)
5	Phase I Extended Aeration + Secondary Clarifiers	\$3,877,500		\$3,671,300	
6	Phase I Sludge digesters	\$67,700		\$166,300	(13)
7	Phase I Sludge drying beds	\$1,160,700		\$992,300	
8	Controls and Blower Building			\$232,600	(14)
9	Non-Potable Plant Water System			\$191,200	(14)
10	Site Piping			\$642,000	(15)
Construction Subtotal		\$6,872,900		\$7,123,000	
11	Contingency	\$2,061,870	(6)	\$1,780,750	(16)
12	Design-Phase Engineering	\$923,093		\$966,615	
13	Construction Management	\$1,138,777	(7)	\$1,095,255	(7)
14	Environmental Mitigation	--	(8)	--	(8)
15	Environmental Monitoring	--	(8)	--	(8)
16	Permitting Fees	--	(8)	--	(8)
WWTF PROJECT TOTAL (Rounded to 1000)		\$10,997,000		\$10,966,000	

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 (assumed January 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 Jan 2009 MP construction subtotal minus the engineering fee.
- (8) Costs to be developed with EIR process
- (9) ENR CCI: April 2010 = 8677
- (10) Costs are from the August 2010 Southland WWTF Master Plan Amendment #1.
- (11) The Frontage Road Sewer Upgrade Project has been developed separately.
- (12) One of two grit removal systems is required for Phases 1 and 2. A second grit removal system is budgeted for Phase 3.
- (13) The design recommendations changed from sludge holding lagoons to digesters in the MP Amendment to provide a reduction in the amount of dry sludge hauled. Earthen berms were added to provide operational flexibility.
- (14) Line item has been added since the January 2009 Master Plan.
- (15) Site piping was moved to its own line item for accuracy in developing the cost opinion.
- (16) Contingency is estimated at 25% of construction subtotal.

TO: BOARD OF DIRECTORS

FROM: DON SPAGNOLO
GENERAL MANAGER 

DATE: SEPTEMBER 1, 2010

AGENDA ITEM

C-4

SEPTEMBER 8, 2010

MONTHLY ENGINEER UPDATE

ITEM

NCSD District Engineer Peter Sevcik re Recent District Engineer Activities [NO ACTION REQUESTED].

BACKGROUND

Peter Sevcik is scheduled to summarize the attached outline.

RECOMMENDATION

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

ATTACHMENT

- District Engineer Activities Outline (Available at the Board meeting on September 8, 2010)

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