

TO: BOARD OF DIRECTORS
FROM: MICHAEL S. LEBRUN *MSL*
GENERAL MANAGER
DATE: AUGUST 4, 2011



PRESENTATIONS AND REPORTS

- C-1) COUNTY SHERIFF REPRESENTATIVE
Update re: South County Law Enforcement Activities
- C-2) CAL FIRE BATTALION CHIEF BILL FISHER
Update re: South County Cal Fire Activities
- C-3) MIKE NUNLEY OF AECOM
Update Report re: Southland Wastewater Treatment Plant Upgrade
- C-4) NCSD DISTRICT ENGINEER PETER SEVCIK
Update Report re: Recent Activities
- C-5) 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-6) 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\08-10-11 PRESENTATIONS AND REPORTS.DOCX

TO: MICHAEL S. LEBRUN *MSL*
GENERAL MANAGER

FROM: PETER V. SEVCIK
DISTRICT ENGINEER

DATE: August 4, 2011

AGENDA ITEM
C-3
AUGUST 10, 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

- August 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	August 4, 2011		

The Project Team has completed the following items this month:

1. AECOM has been receiving comments on the 95% design submittal from the District's peer review team. We will be meeting with District staff on August 8th to discuss these comments and direction for completion of the design.
2. The revised draft Report of Waste Discharge was submitted to the Regional Water Quality Control Board for review in preparation of the revised permit. With the submittal we requested a meeting later this month to discuss the report with District and Water Board staff.
3. AECOM continues to work with District staff towards an alternate grading plan to utilize excess fill from the excavation of the new infiltration basins (alternate bid item) onsite.

Schedule

The Project Schedule is attached. A baseline was set at the August 4, 2010 based on the District's request. The schedule has been updated to reflect the current project status.

Budget Status

The Invoice Summary is attached. The Invoice Summary has been updated per Scope Amendment #5, approved by your Board on July 27th. The project budget is attached and is scheduled to be updated again after District review of the 95% design.

Yours Sincerely,

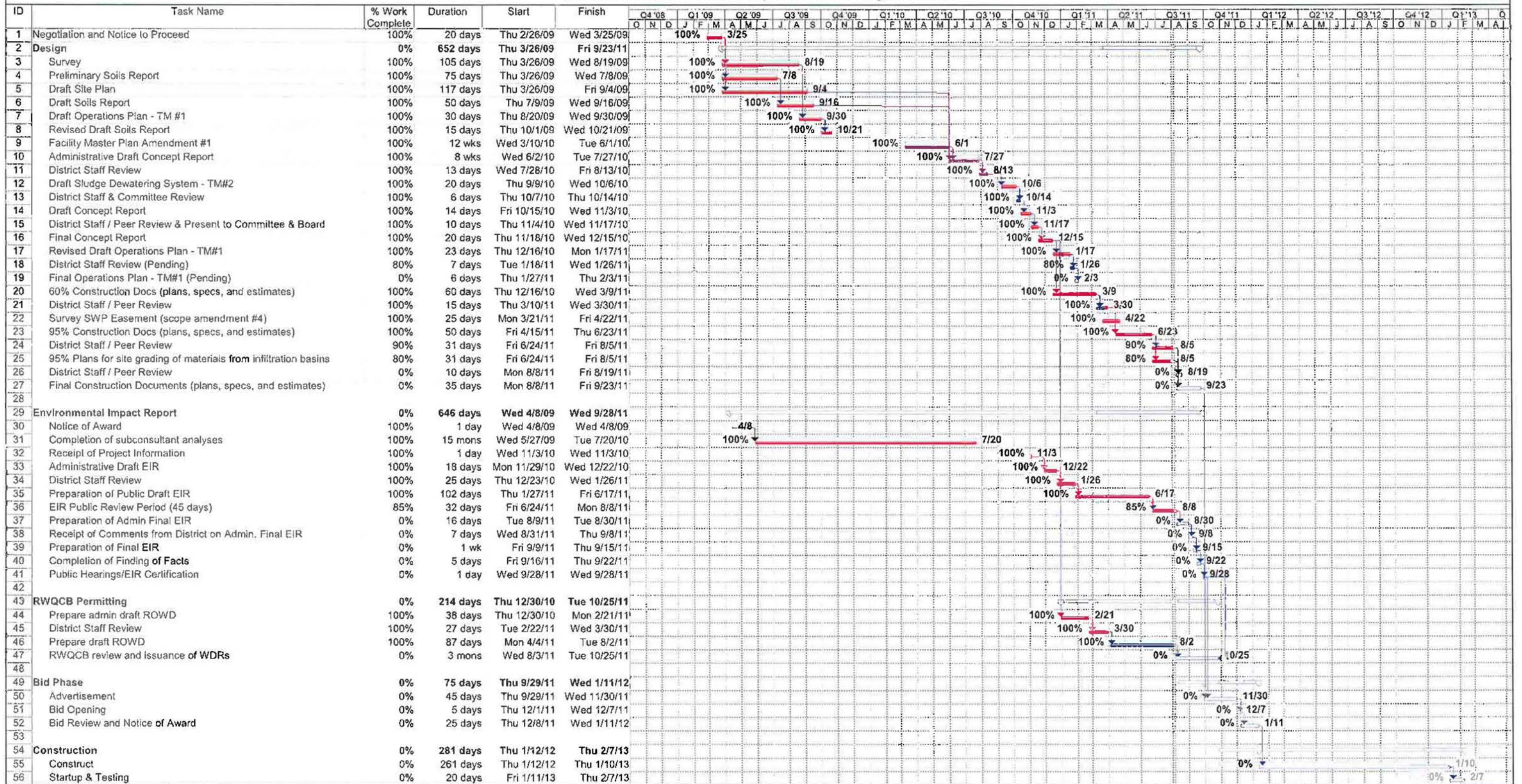


Michael K. Nunley, PE

Enclosures: Project Schedule, Invoice Summary, Project Budget Summary

Southland WWTF Phase 1 Improvements Design Schedule

Thu 8/4/11



Project Budget Summary

8/1/2011

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	\$245,618.32	\$0.00	98%	98%
Task Group 2 - Construction Documents	\$625,036.00	\$574,794.63	\$4,715.55	93%	93%
Task Group 3 - Project Management	\$108,579.00	\$82,227.15	\$3,987.90	79%	79%
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	\$22,138.38	\$1,899.45	80%	80%
Total	\$1,237,238.00	\$961,910.23	\$10,602.90	79%	79%

Date Printed 8/4/2011

Item	Description	Updated Amount Mar 2011 60% Plans (1)(2)
1	Influent Pump Station & Flowmeter	\$ 421,600
2	Spiral Screening System	\$ 402,500
3	Grit Removal System	\$ 254,000
4	Extended Aeration System	\$ 1,197,900
5	Secondary Clarifier	\$ 1,377,500 (3)
6	Sludge Thickening System	\$ 268,500
7	Emergency Holding Basin	\$ 105,700
8	Sludge Drying Beds	\$ 718,200
9	Controls & Blower Building	\$ 269,000
10	Non-Potable Plant Water System	\$ 210,800
11	Site Piping	\$ 1,297,100 (4)
12	Instrumentation & Controls	\$ 307,100
13	Electrical	\$ 724,400 (5)
14	Site Work	\$ 301,100 (6)
	Construction Subtotal	\$ 7,855,000
11	Construction Contingency	\$ 1,178,250 (7)
	Construction Total	\$ 9,033,250
12	Environmental Impact Report	\$ 93,400
13	Design-Phase Engineering	\$ 1,178,957 (8)
14	Construction Management	\$ 1,178,250 (9)
15	Environmental Mitigation & Monitoring Allowance	\$ 142,500 (10)
16	Permitting Fees Allowance	\$ 5,000 (11)
17	Non-Construction Contingency	\$ 363,643 (12)
	WWTF Phase 1 Improvements Estimated Total	\$ 11,995,000 (13)

Notes:

- (1) ENR CCI (Mar 2011) = 9011
- (2) Costs are escalated by 2% per year to midpoint of construction (estimated 5/11/2012)
- (3) The secondary clarifier cost opinion has reduced as a result of value engineering, which identified less cost required for the RAS/WAS pump station, distribution box, and miscellaneous piping.
- (4) The site piping cost opinion has increased to include the plant drain, scum piping, an increased length for the potable water line, non-potable water line, manholes and fittings, and an increased amount for shoring.
- (5) The electrical cost opinion has increased based on the 60% design.
- (6) Site work includes new gravel access roads, new fencing and relocation of existing fencing.
- (7) Construction contingency is estimated at 15% of construction subtotal.
- (8) 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), and #4 (Mar 2011).
- (9) To be updated by CM team; Construction Management costs estimated at 15% of construction subtotal.
- (10) Environmental mitigation and monitoring costs are provided as an allowance. These costs will be further developed with the EIR process.
- (11) Permitting fees are estimated and provided as an allowance. These costs will be further developed with the EIR process.
- (12) Non-construction contingency is estimated at approximately 14% of the non-construction total (line items 12 through 16).
- (13) 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

TO: BOARD OF DIRECTORS

FROM: MICHAEL S. LEBRUN *MSL*
GENERAL MANAGER

DATE: AUGUST 3, 2011

AGENDA ITEM
C-4
AUGUST 10, 2011

**NCSD DISTRICT ENGINEER ACTIVITIES SUMMARY AND
WATER ALLOCATION REVIEW**

ITEM

District Engineer Update on Recent Activities and Annual Water Allocation [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

MEMORANDUM

TO: MICHAEL S. LEBRUN, P.E., GENERAL MANAGER
FROM: PETER V. SEVCIK, P.E., DISTRICT ENGINEER
DATE: AUGUST 5, 2011
RE: DISTRICT ENGINEER ACTIVITIES UPDATE – JULY 2011

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 – Project Closeout Stage

- **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
 - Submittal review in progress
 - BUDGETED PROJECT COST \$540,000
 - STATUS – Waterline 0% complete

- **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 – Preconstruction meeting scheduled for 8/9/2011

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

District Engineer Activities Update

August 10, 2011

Page 2

- Draft EIR circulated for public comment
- Peer review of 95% design completed
- Staff review of 95% design and peer review comments in progress
- BUDGETED PROJECT COST \$12,000,000
- STATUS – 95% design submitted by AECOM

- **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
 - 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**
 - Final design for SCADA Upgrade Project in progress

OTHER PROJECTS AND PROGRAMS

- **Safety Program**
 - 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

- **Fats, Oils and Grease (FOG) Program**
 - No inspections in July

MEETINGS

- 7/6, Bid Opening, South Frontage Road Trunk Sewer Project
- 7/14, AECOM, Parkson, Southland WWTF Upgrade Phase 1 Project
- 7/15, CSDA SLO Chapter
- 7/21, NMMA TG
- 7/25, AECOM, Southland WWTF Upgrade Phase 1 Project Design Status
- 7/26, MNS, Frontage Road Trunk Sewer Construction Management

WATER ALLOCATION REVIEW

- **FY 2010/2011 Water Allocation Accounting Summary as of 8/4/2011 attached**

Nipomo Community Services District Water Allocation Accounting Summary

WATER YEAR 2010-2011													
Project	Dwelling units per category						Water allotment (acre-feet)						Notes:
	based on parcel square footage						SFR/						
	SF<12,768	12.7 to 25.5	SF>25.5	SEC	MF	Low I	DUP	SEC	MF	Low I	Total	Tally	
							20.8	3.2	6.5	2.0		32.5	
APN 091-430-055 - 1045 La Serenata Way				1				(0.1)			(0.1)	32.4	GM Approved 10/22/2010
APN 091-063-058 - 325 Red Oak Way			1				(0.8)				(0.8)	31.6	GM Approved 10/22/2010
Tract 2441 Phase 1 - APN	8						(4.2)				(4.2)	27.4	BOD Approved 12/15/2010
APN 092-361-015 - 588 Southland Street				1				(0.1)			(0.1)	27.3	GM Approved 1/3/2011
APN 091-247-031 - 1112 Pomeroy Road				1	1		(0.8)	(0.1)			(0.9)	26.4	Pending Payment of Fees
APN 092-311-005 - 674 Story Street				1			(0.8)				(0.8)	25.6	Pending Payment of Fees
APN 091-421-020 - 915 Nine Oaks Lane					1			(0.1)			(0.1)	25.5	Pending Water Demand Certification
APN 092-361-035 - 764 Ashland Lane		1					(0.7)				(0.7)	24.8	Pending Payment of Fees and Water Demand Certification
APN 090-078-022 - 105 E. Chestnut Street	1						(0.4)				(0.4)	24.4	Pending Water Demand Certification
APN 090-078-023 - 115 E. Chestnut Street	1						(0.4)				(0.4)	24.0	Pending Water Demand Certification
APN 090-078-024 - 125 E. Chestnut Street	1						(0.4)				(0.4)	23.6	Pending Water Demand Certification
APN 090-078-025 - 135 E. Chestnut Street	1						(0.4)				(0.4)	23.2	Pending Water Demand Certification
APN 090-078-026 - 145 E. Chestnut Street	1						(0.4)				(0.4)	22.8	Pending Water Demand Certification
APN 090-078-027 - 155 E. Chestnut Street	1						(0.4)				(0.4)	22.4	Pending Water Demand Certification
APN 090-078-028 - 160 Avocado Court	1						(0.4)				(0.4)	22.0	Pending Water Demand Certification
APN 090-078-029 - 150 Avocado Court	1						(0.4)				(0.4)	21.6	Pending Water Demand Certification
APN 090-078-030 - 141 Avocado Court	1						(0.4)				(0.4)	21.2	Pending Water Demand Certification
APN 090-078-031 - 130 Avocado Court	1						(0.4)				(0.4)	20.8	Pending Water Demand Certification
APN 090-078-032 - 120 Avocado Court	1						(0.4)				(0.4)	20.4	Pending Water Demand Certification
Totals	19	1	3	4	0	0	(11.7)	(0.4)	0.0	0.0	(12.1)		
Note: Low I (low income) pulls from SFR/DUP and MF, proportional to their allotment.													
Abbreviations defined:													
SFR = Single family residence													
SEC = Secondary dwelling (a.k.a. Granny Unit)													
DUP = Duplex													
MF = Multi-family development (e.g. multiple dwelling units sharing a common roof)													
Low I = Low income housing in accordance with County housing definition.													
Phasing Limit Check (Max 50% of annual allocation) = 16.3													
Phased allocation = 4.2													