TO: BOARD OF DIRECTORS

FROM: MARIO IGLESIAS
GENERAL MANAGER

DATE: OCTOBER 20, 2016

AGENDA ITEM
C
OCTOBER 26, 2016

PRESENTATIONS AND REPORTS

The following presentations and reports are scheduled:

C-1) ADVANCED METERING INFRASTRUCTURE PRESENTATION

C-2) DIRECTOR OF ENGINEERING AND OPERATIONS SUMMARY OF ACTIVITIES – MONTHLY REPORT; JOSHUA ROAD PUMP STATION CONSTRUCTION

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

TO: BOARD OF DIRECTORS

FROM: MARIO E. IGLESIAS
GENERAL MANAGER

DATE: OCTOBER 20, 2016

AGENDA ITEM
C-1
OCTOBER 26, 2016

ADVANCED METERING INFRASTRUCTURE (AMI) PRESENTATION

ITEM

Sensus and WaterSmart presentation highlighting opportunities the Advanced Metering Infrastructure (AMI) technology provides water agencies.

BACKGROUND

Unlike Automated Meter Reading (AMR), AMI provides a greater suite of features better suited to benefit utility customers. The full power and flexibility of AMI will be presented by two separate vendors. Sensus is a water meter manufacturing company that has developed the hardware and created the infrastructure to support unique water conservation strategies.

WaterSmart is an analytical software provider that conditions data from Sensus and serves it up to consumers through a web portal. Water customers can log into their portal and review their consumption history within the last 24 hours. When coupled together, Sensus and WaterSmart will empower water users with leak alerts that can save hundreds of dollars and thousands of gallons of lost water. Understanding water consumption patterns, adding bill paying options, reviewing hour by hour consumption history are some of the features that provide for informed consumers who can modify their behavior, fine tune their irrigation consumption and, in turn, use and pay for only the water they need.

These technologies save money and water on the customer side of the meter as well as NCSD's side of the meter. NCSD's water pipelines are installed in the porous sands of the Nipomo Mesa. Water leaks on these pipelines can go undetected as leaking water can seep through the sands instead of surfacing to alert staff of the problem. AMI is adaptive and can be used to listen for leaks on NCSD's water pipelines and on an AMI schedule – every day of the year. When leaks are detected, a leak alert can be sent through a multitude of wireless technologies depending on the end user's needs.

RECOMMENDATION

It is recommended your Board consider the information presented.

ATTACHMENTS

None

TO: BOARD OF DIRECTORS

FROM: MARIO E. IGLESIAS
GENERAL MANAGER

DATE: OCTOBER 20, 2016

AGENDA ITEM
C-2
OCTOBER 26, 2016

DIRECTOR OF ENGINEERING AND OPERATIONS SUMMARY OF ACTIVITIES

ITEM

Engineering and Operations monthly report and update for Joshua Road Pump Station Reservoir, September 2016 Report [NO ACTION REQUESTED].

BACKGROUND

Director of Engineering and Operations, Peter Sevcik will overview his update (attached) and discuss recent activities at the JRPS Reservoir Project.

RECOMMENDATION

Staff recommends that your Honorable Board receive the update.

ATTACHMENTS

A. Engineering and Operations Update for Joshua Road Pump Station Reservoir, pgs. 1-10

October 26, 2016

ITEM C-2

ATTACHMENT A

Nipomo Community Services District

Supplemental Water Project
Joshua Road Pump Station Reservoir
Monthly Progress Report

Prepared By:
MNS Engineers, Inc.

September 2016

Schedule and Budget Summary

Schedule Summary

Notice to Proceed	April 25, 2016
Original Contract Days	270
Contract Days Added	0
Revised Contract Days	270
Elapsed Time (Days)	(154)
Remaining Time (Days)	116
Contract Completion Date	January 19, 2017
Time Elapsed to Date	57.0 %
Work Completed to Date	52.4%
Approved Change Orders (Days)	0 days

Budget Summary

Original Contract Amount	$2,463,375.00
Approved Change Orders (Cost)	$0.00
Revised Contract Amount	$2,463,375.00
Previous Payments	$1,086,160.00
Current Month Pay Request	$205,460.00
Total Work Completed	$1,291,620.00
Work Remaining	$1,171,755.00

Progress Summary

Joshua Road Pump Station Reservoir

Summary of Work:

Pacific Hydrotech Corporation completed the fifth and final wall pour for the tank. After the wall forms were removed and dismantled, materials for the roof forms and scaffolding were delivered and Torres Brothers Shoring assembled the deck for the roof pour with assistance from PHC. DN Tanks was also on site to post tension the vertical thread bars in the walls.

Pictures:

PHC removing the form bolts from the fourth pour.

PHC moving the rebar and vertical post tension strands into place for the fifth and final wall pour.

PHC moving rebar and vertical tension thread bars into place for the fifth wall pour.

PHC spraying curing compound on columns.

Assembling rebar inside column forms.

PHC and Monroy Steel setting column reinforcement in place.

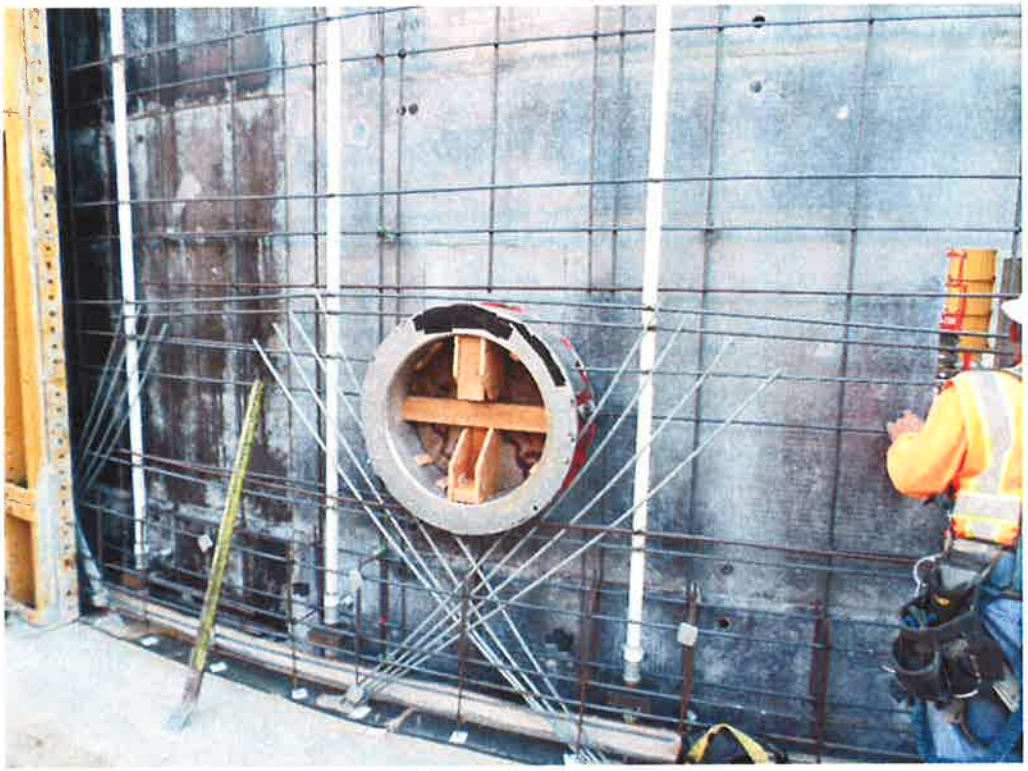
Setting column rebar and forms in place for pouring the last two columns.

Tying lap bars on column reinforcing.

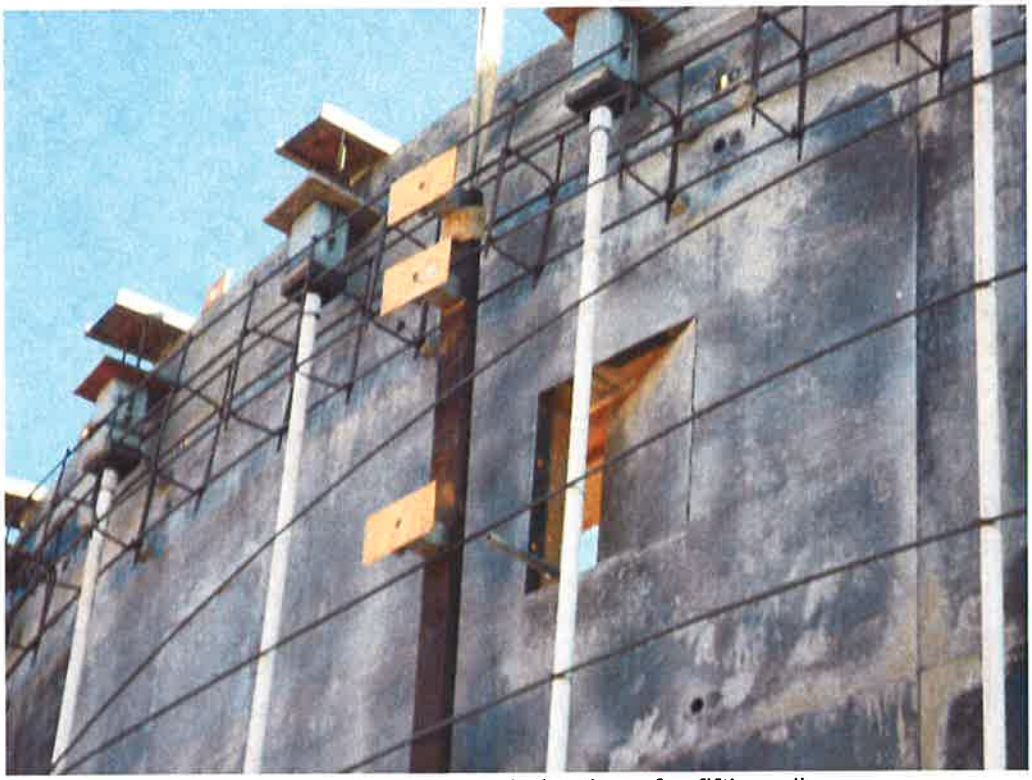
PHC installing bearing pad.

PHC applying sealant along the water stop and bearing pad in preparation for the last wall pour.

PHC tying the seismic cables to the rebar for the fifth wall pour.



Wall flange insert installed for fifth wall pour.



Rebar and vertical post tension strands in place for fifth wall pour.

Moving outside form into place for the fifth and final wall pour.

PHC moving the last form into place for the final wall pour.