PROJECT: #101 West Side Pumping Station Abandonment

PROJECT MANAGER: Rob Hamers, District Engineer

**DESCRIPTION:** Abandon 6 CMSD pumping stations, abandon the CNB station in the CNB island on W. 19th

Street, and abandon the private pumping station on W. 18th Street by constructing new gravity

lines.

**BEGIN DESIGN:** 7/1/2012

CONSTRUCTION COMPLETION DATE: 3/25/2019

Preliminary Civil Engineering - \$131,047; Estimated construction cost - \$5.8 million

9/3/14 - Additional Preliminary Engineering Allocation - \$10,000

#### **STATUS REPORT:**

**8/26/10** CMSD staff and two Directors met with OCSD staff on 8/4/10 to discuss the framework of the project. OCSD will be constructing its own gravity sewer to accept the CMSD and CNB flows and send it under the Santa Ana River to OCSD Plant No. 2. OCSD

9/23/10 - OCSD was provided with plans, maps and flow figures for their review. OCSD will be hiring a consultant to prepare the design for their facilities.

10/26/10 - OCSD requested copies of all CMSD pumping station plans, which were provided. OCSD anticipates hiring a consultant to prepare an EIR and alignment study in 2011. CMSD requested a joint EIR.

11/18/10 - No change.

12/20/10 - No change.

01/27/11 - No change.

02/24/11 - No change. Staff will be contacting OCSD to review their status.

03/24/11 - Staff met with OCSD Project Managers on 3/8/11 to review OCSD's scope of work and project timing.

4/28/11 - Staff met with 3 proposed OCSD consultants to explain the project. OCSD's first phase of work will be an EIR and alignment study and the CMSD requested the OCSD EIR cover the CMSD work.

5/26/11 - Staff met with another potential OCSD consultant to review OCSD's scope of work. OCSD will soon be publishing their RFP.

6/23/11 - No change.

7/28/11 - OCSD's preliminary schedule reflects completion of construction of OCSD's sewer facilities on 3/25/2019.

8/25/11 - No change.

9/22/11 - OCSD is evaluating consultant proposals.

10/27/11 - OCSD selected Dudley as its consultant and is finalizing the consultant contract.

11/30/11 - No change.

12/15/11 - OCSD staff attended CMSD SSC meeting on 11/8/11 to discuss project timeline.

1/26/12 - Kickoff meeting for OCSD's consultant Dudek scheduled for 1/11/12. Consultant has placed flow meters in CMSD lines to confirm flows.

2/23/12 - CMSD District Engineer is providing scope of work for preliminary engineering for Board consideration.

3/22/12 - CMSD District Engineer is providing preliminary engineering fee for Board consideration.

4/16/12 - The Board is considering the District Engineer's proposal to perform the Preliminary Engineering.

5/24/12 - The Board approved the District's Engineer's proposal for the Preliminary Engineering.

6/28/12 - District Engineer is working with OCSD consultant on confluence point for CMSD/CNB/OCSD sewers.

7/26/12 - CMSD will be obtaining topographic information from OCSD's consultant and will sve \$4,500 in the process due to cost sharing.

**8/20/12** - OCSD's surveyors are working on the topography.

9/20/12 - The District Engineer has begun working with the topography provided by OCSD's surveyors and aerial photogrammist.

### PROJECT:

#101 West Side Pumping Station Abandonment

- 10/25/12 The District Engineer is continuing working with the topography provided by OCSD's surveyors.
- 11/15/12 The District Engineer is continuing working with the topography provided by OCSD's surveyors.
- 12/20/12 The District Engineer is continuing work on the preliminary engineering.
- 1/24/13 The District Engineer is continuing work on the preliminary engineering.
- 2/28/13 The District Engineer is continuing work on the preliminary engineering.
- 3/28/13 The District Engineer provided a narrative and map explaining the District's work to be included in the EIR NOP.
- 4/18/13 The District Engineer is continuing work on the preliminary engineering.
- 5/23/13 Engineer's Estimates for the work are being prepared.
- 6/27/13 Engineer's Estimates for the work are being prepared; the District Engineer reviewed 2 sections of the OCSD EIR as requested.
- 7/25/13 The District Engineer will be providing the preliminary budget at the 7/25/13 regular meeting
- 8/29/13 The Board will review the District Engineer's staff report on the preliminary engineering at the 8/20/13 study session.
- 9/26/13 The Preliminary Engineering report will be reviewed at the October 15 Study Session.
- 10/24/13 The Preliminary Engineering Report will be reviewed at the October 15 Study Session.
- 11/21/13 The preliminary engineering report was reviewed at the 11/12/13 study session.
- 12/19/13 No change in status.
- 1/23/14 No change in status.
- 2/25/14 No change in status.
- 3/27/14 -No change in status.
- 4/24/14 No change in status.
- 5/22/14 No change in status.
- 6/26/14 The EIR is complete and will go to the OCSD Board for certification on 7/23/14. The OCSD RFP for final design will be advertised in August.
- 7/24/14 A special meeting is set for 7/22/14 to determine funding for potentially high park restoration and maintenance costs.
- **8/28/14 -** CMSD and OCSD are preparing Engineer's Estimates for CMSD's portion of the work. OCSD has proposed an Agreement on the need for all abandonment facilities to be in operation.
- 9/25/14 -OCSD certified the project EIR; CMSD is completing a limited soils investigation to determine micro tunneling costs and total project costs.
- **10/23/14-** Soils report sent to micro tunneling contractor for cost estimate; with these results, CMSD can prepare a new cost estimate for entire project; OCSD has completed their estimate.
- 11/20/14 Engineering staff is preparing a new cost estimate for the project based on cost estimates from two contractors.
- 12/18/14 Engineering staff has finalized the new construction cost estimate and is presenting to the GM.
- 1/22/15 Engineering staff has finalized the construction cost estimate and presented the estimate to OCSD. Next step is CMSD financial planning followed by consideration of the MOU from OCSD.
- 2/26/15 Project financing is being discussed at the 2/10/15 study session.
- 3/26/15 The Board of Directors will be considering the MOU with OCSD and Newport Beach at the regular meeting.
- 4/23/15 The Board approved the MOU with OCSD at the March 2015 Board mtg; the District Engineer is finalizing the final engineering design phase budgets.
- **5/28/15** The Board discussed the final engineering phase at the 5/12/15 study session.

Account Number		proved Proj Budget	_	une 30, 2014 cumulated Cost		urrent Year penditures	En	cumbrances		Balance
#101	\$	2,770,838	\$	172,724	\$	17,326	\$	2,500	<u>\$</u>	2,578,288
<b>Total</b>	<b>\$</b>	<b>2,770,838</b>	<b>\$</b>	<b>172,724</b>	<b>\$</b>	<b>17,326</b>	<b>\$</b>	<b>2,500</b>		<b>2,578,288</b>

PROJECT: #194 Sewer Manhole Rehab (Interior Rehab and Pump Station Re-Coating)

PROJECT MANAGER: Rob Hamers, District Engineer

**DESCRIPTION:**Rehabilitation of manhole interiors including reconstructing channels, building up wall thicknesses, and

adding spray-on protective coatings. The project also includes new protective coatings for various pump station interiors.

**BEGIN DESIGN:** 2013-2014 fiscal year (Project was delayed until additional funding became available)

APPROXIMATE CONSTRUCTION COMPLETION DATE: June, 2015

#### STATUS REPORT;

**10/23/14 -** Design phase being re-started; plans 80% complete.

11/20/14 - The plans and specs are 90% complete.

12/18/14 - The plans and specs are 95% complete.

1/22/15 - Staff is preparing specifications for bidding.

2/26/15 - Field crew members have identified 7 additional MHs requiring interior rehabilitation; these MHs will be added to the plans prior to going out to bid.

3/26/15 - The plans and specs should be out to bid by the regular Board meeting.

4/23/15 - Bid opening is 4/20/15 and the results will be provided at the May regular meeting.

5/28/15 - The Board of Directors will be considering award of the constructin contract at the 5/28/15 regular meeting.

		Aŗ	proved	Accumulate Cost	ed	Current Year to Date			
	Account Number	<u>Proje</u>	ct Budget	As of 6/30/20	<u> 14</u>	<b>Expenditures</b>	<b>Encumbrances</b>	Bala	ance
#194		\$	300,000	\$	<u>-</u> \$	885	\$ -	\$ 29	99,115
Total		\$	300,000	\$	<u>-</u> \$	885	<u>\$</u>	\$ 29	99,115

PROJECT: #196 Installation of Backup Power and Pumping Capability

PROJECT MANAGER: Rob Hamers, District Engineer

**DESCRIPTION:** Install backup standby diesel generator at two pumping stations and install backup pumping systems at

BEGIN DESIGN: April 23, 2012

APPROX. CONSTRUCTION COMPLETION DATE: Jan - 15

Civil Design - \$21,133.50; Civil Contract/Admin/Inspection - \$48,470

#196-A (Victoria, Mendoza & Elden By-Pass Pumps) - Engineer's Estimate: \$500,000

#196-B (Canyon Generator) - Engineer's Estimate: \$100,000

#### **STATUS REPORT:**

05/24/12 - District's Engineer's office is in design of the backup pumping systems while another consultant, PDE, is in design on the standby diesel generators.

6/28/12 - Plans and specs are 30% complete.

7/26/12 - Plans and specs are 60% complete.

8/20/12 - Engineering staff is performing final review prior to submitting the plans for plan check.

9/20/12 - Plans were submitted to the cities of Costa Mesa and Newport Beach for first plan check.

10/25/12 - The District Engineer is working with the cities of Costa Mesa and Newport Beach regarding above-ground emergency

11/15/12 - The District Engineer is working with the cities of Costa Mesa and Newport Beach regarding above-ground emergency equipmer

12/20/12 - The District Engineer and General Manager are working with the cities of Costa Mesa and Newport Beach regarding above-

01/24/13 - The District Engineer and General Manager are working with the cities of Costa Mesa and Newport Beach regarding above-

02/27/13 - The District Engineer and General Manager are working with the cities of Costa Mesa and Newport Beach regarding above-

3/28/13 - The District Engineer and General Manager are working with the cities of Costa Mesa and Newport Beach regarding above-ground emergency equipment.

4/18/13 - No change in status.

5/23/13 - A soils investigation is being performed for the 23rd P.S. location in the right-of-way slope. Two other locations will be housed in prefabricated buildings.

6/27/13 - The City of Costa Mesa is reviewing the design for the 3 stations in Costa Mesa

7/25/13 - Engineering staff is awaiting City of Costa Mesa comments on building design at three sites, while 23rd station in Newport Beach

8/29/13 - The District Engineer is finalizing the plans for the backup pumping units at Elden, Victoria, and Mendoza. The District Engineer is also finalizing the

9/26/13 - The District Engineer has provided a staff report for the 9/26/13 regular meeting on the status of the project.

10/24/13 - Installation at the Elden, Victoria, and Mendoza stations is out to bid as 196-A, and installation at the Canyon Station is out to bid as 196-B.

11/21/13 - Bid opening for 196-B Canyon Generator was 11/5/13 and the low bidder is Avram Electric in the amount of \$64.815

12/19/13 - Bid opening for 196-A was held 11/20/13 and award construction contract on the 12/19/13 agenda to GCI in the amount of \$485,200 and \$222,080 equipment

1/23/14 - Work is occurring on 196-A at Elden, Victoria, and Mendoza pump stations and #196-B at Canyon pump station.

**2/25/14 -** Construction on #196-A is 10% complete and #196-B is 50% complete.

**3/27/14** - Construction on #196-A is 15% complete and #196-B is 60% complete.

4/24/14 - #196-A is 40% complete and #196-B is 95% complete.

5/22/14 - The building was installed at Victoria PS on 5/8/14: #196-A is 75% complete. #196-B is complete.

**6/26/14** - Installation of the backup pumping units at Victoria and Mendoza pump stations is complete.

7/24/14 - Installation at Elden will continue after contractor moves golf course fence.

8/28/14 - The District/SACC Agreement for moving the golf course fence was approved and construction is set to continue.

9/25/14 - #196-A Elden, Victoria, Mendoza back-up pumps complete; #196-B Generator at Canyon pump station complete; #196-C 23rd back-up pump is in design at structural engineer; #196-D Generator at Irvine pump station; waiting on Gas Co. for proposed meter location prior to finalizing plans.

10/23/14 - GM prefer generator at 23rd P.S. instead of backup unit requiring partial redesign; 196-D Irvine P.S Generator for designing meter assembly by Gas Co.

11/20/14 - Electrical engineering consultant now retained for generator design for #196-C 23rd Station; Design for #196-D Irvine P.S. is continuing.

### PROJECT:

#196 Installation of Backup Power and Pumping Capability

12/18/14 - 23rd PS generator for #196C requires a larger block wall structure than the backup pump. The generator for the Irvine PS for #196-D will soon be out to bid.

1/22/15 - 196-C - Project in design at electrical engineer's office; design is for backup generator. 196-D - Project out to bid with bid opening 1/20/15.

2/26/15 - #196D Irvine bid opening is on 2/16/15 meeting agenda; 196-C 23rd is in design.

3/26/15 - The pre-construction meeting for 196-D Irvine is 3/18/15; 196-C 23rd is still in design.

4/23/15 - The Kohler generator for #196-D Irvine has been ordered; #196-C 23rd is still in design.

5/28/15- The notice to proceed for #196-D was issued and construction should be complete by the end of June 2015; #196-C 23rd is in plan check at Newport Beach

Account Number	Ap	proved Project Budget	June 30, 2014 Accumulated Cost	Current Year Expenditures	End	cumbrances	Balance
#196-A Elden, Victoria, Mendoza Pump Stations	\$	790,000	\$ 572,977	\$ 197,868	\$	50	\$ 19,105
#196-B Canyon Pump Station		115,000	115,335	-		-	(335)
#196-C 23rd Street Pump Station		340,000	14,546	947		-	324,508
#196-D Irvine Pump Station		405,000	7,133	120,638		202,453	74,777
Total	\$	1,650,000	\$ 709,991	\$ 319,452	\$	202,503	\$ 418,054

**PROJECT:** #200 Rehabilitation of Four Force Mains

PROJECT MANAGER: Rob Hamers, District Engineer

**DESCRIPTION:**The Wilson, Victoria, Mendoza, and South Coast Plaza force mains are being replaced with

new force mains.

BEGIN DESIGN: Dec-13

APPROX. CONSTRUCTION COMPLETION DATE: Late 2014

Civil Design - \$82,593

#### STATUS REPORT:

12/19/13 The design phase has begun.

1/23/14 - The design phase is continuing.

2/25/14 - The design phase is 40% complete.

3/27/14 - The design phse is 60% complete.

4/24/14 - The design phase is 70% complete.

5/22/14 -Mendoza force main is out to bid as a separate project due to upcoming City alley project. Engineer's estimate is \$102,000. Bid opening is 6/2/14.

6/26/14 - GCI Construction is low bidder in the amount of \$82,540 for Project #200-A Mendoza Force Main.

7/24/14 - 1st day of work for Project #200-A was 6/23/14; plans are 75% complete for Harbor, Victoria, SCP.

8/28/14 - All work was completed on #200-A Mendoza force main and the Board will final the project on 8/28/14.

9/25/14 - #200-A Mendoza PS new force main is complete. Design phase of Harbor, Victoria & South Coast Plaza continuing; will be meeting with SC Plaza.

10/23/14 - The plans are 90% complete and were submitted to the City, SCP, and the utility agencies the week of 10/12/14.

11/20/14 - Staff met with SCP Management on 11/6/14 to discuss their concerns. Staff will be meeting with the City of Costa Mesa engineering staff.

12/18/14 - Staff is working with SCP Mgt's over redirecting FM flows. Staff will be meeting with City engineering to discuss the Harbor and Victoria FM

1/22/15 - CCTV and flow metering will occur in the gravity system downstream of the new force main alignment at South Coast Plaza. New Harbor force main and Victoria force main were discussed with the City Engineer.

2/26/15 - Harbor force main improvements will be constructed first as the top priority; design phase is continuing.

3/26/15 - Alternate construction methods for Harbor force main are being investigated.

4/23/15 - The Harbor Force Main will be bid by itself with two alternate methods.

5/28/15 - The Harbor Force Main plans are being completed.

Account Number	Approved Proj Budget	June 30,2014 Accumulated Cost	Current Year Expenditures	Encumbrances	Balance
#200	\$ 1,030,868	\$ 136,242	\$ 70,027	\$ -	\$ 824,599
Total	\$ 1,030,868	\$ 136,242	\$ 70,027	<u> </u>	\$ 824,599

PROJECT: #202 Elden Piping and Valve Replacement

**PROJECT MANAGER:** Rob Hamers, District Engineer

**DESCRIPTION:** Replace 37-year old piping and valves outside Elden Pumping

BEGIN DESIGN: October, 2013

APPROX. CONSTRUCTION COMPLETION DATI December, 2014

Estimated Project budget: Civil Design \$11,483.50; Construction - Engineer's Estimate: \$431,210

### **STATUS REPORT:**

10/24/13 - Engineering staff met with the field crew to discuss possible additional replacement of valves inside station.

11/21/13 - The design phase is continuing; the plans are 60% complete.

12/19/13 - The plans are 90% complete and the Engineer's Estimate is being prepared.

1/23/14 - The plans are 100% complete. Staff is exploring combining this work with 196-A, installation of a backup pump at Elden Pump Station.

2/25/14 - The project is being discussed at the study session.

3/27/14 - The need for additional funding has moved the project into the next 2-year budget cycle, beginning 2015-2016; strategic improvements are being included as extra work in Project #196-A.

4/24/14 - The strategic improvements for this project were added to Project #196-A.

5/22/14 - The strategic improvements for this project were constructed on 5/8/14.

6/26/14 - No change in status.

7/24/14 - The remaining improvements under this project will likely be constructed in the 2015-16 fiscal year.

8/28/14 - The project will likely receive funding in the 2015-2016 Fiscal Year to complete the replacement.

9/25/14 - No change in status.

10/23/14 - No change in status.

11/20/14 - No change in status.

12/18/14 - No change in status.

1/22/15 - No change in status.

2/26/15 - Project will be budgeted for 2015-16 or 2016-17.

3/26/15 - No change in status.

4/23/15 - No change in status.

5/28/15 - No change in status.

Account Number	pproved	 Cost f 6/30/2014	to Da Expendi	ite	Encur	mbrances	Balance
#202	\$ 479,000	\$ 10,567	\$		\$	-	\$ 468,433
Total	\$ 479,000	\$ 10,567	\$		\$		\$ 468,433

Assumulated Current Vacr

**PROJECT:** #203 Emergency Generator at District Yard

PROJECT MANAGER: Scott Carroll, General Manager

**DESCRIPTION:** Procure and install an emergency generator at the District Yard

BEGIN DESIGN: October 2013

APPROX. CONSTRUCTION COMPLETION DATE: June 2014

Architectural Design - \$7,000; Electrical Engineering Design - \$4,500

### **STATUS REPORT:**

10/3/2013 - Entered into agreement with RTA Architects to design and provide construction administration services

11/7/2013 - Reviewed SCE 12 months bills at the Yard to determine load demand and size of the generator

12/1/2013 - Project manager meeting. Possible generator manufacturers are Caterpillar, Cummins and Kohler.

1/23/14 - No change in status.

2/25/14 -RFP for design firms is being prepared.

3/27/14 - Proposals are being requested from design firms for the design phase.

4/24/14 - An electrical engineer has been retained for the design phase for a fee of \$4,500.

5/22/14 - The plans were submitted to the City of Costa Mesa for 1st plan review.

6/26/14 - The design plans are in plan check and being re-submitted to the City.

7/24/14 - Plans were resubmitted to the fire department for 2nd review; all other departments have signed off.

8/28/14 - The project is out to bid.

9/25/14 - Bid opening is being handled by the CMSD GM and project architect.

10/23/14 - Bids were opened and are being evaluated; the low bid amount is \$97,000.

11/20/14 - The specifications for the generator being proposed by the low bidder are being reviewed.

12/18/14 - Contractor's shop drawings are under review.

1/22/15 - The contractor has provided the required bond an pre-construction meeting is planned for 1/30/15.

2/26/15 - Construction will begin after acquisition of materials.

3/26/15 -Concrete pad is poured, generator is being fabricated. Contractor will be relocating the existing air compressor.

4/23/15 - Generator is being fabricated. Contractor will be installing electrical conduits and wiring.

5/28/15 -Delivery of the generator is expected next month.

				Ju	ne 30, 2014					
			Approved	Αc	cumulated	C	urrent Year			
	Account Number	P	roj Budget		Cost	Ex	penditures	End	cumbrances	Balance
#203		\$	150,000	\$	8,778	\$	25,238	\$	3,800	\$ 112,184
Total		\$	150,000	\$	8,778	\$	25,238	\$	3,800	\$ 112,184

**PROJECT:** #204 Manhole Cover Repairs

PROJECT MANAGER: Rob Hamers, District Engineer

**DESCRIPTION:** Repair 102 manhole covers

BEGIN DESIGN: Feb-14

APPROX. CONSTRUCTION COMPLETION DATE: Late 2014

Civil Design - \$9,779

### **STATUS REPORT:**

2/25/14 Project approved by Board, fund appropriated.

4/24/14 - The design phase is in process

5/22/14 - The plans are 40% complete.

6/26/14 - The plans are 60% complete.

7/24/14 - The project went out to bid on 7/2/14 with bid opening scheduled for 8/5/14.

8/28/14 - Bid opening was 8/5/14 and the low bid was Excel Paving in the amount of \$87,349.00.

9/25/14 - Notice to proceed issued to Excel Paving to begin work 9/15/14; Field Crew requesting additional manholes be added as extra work.

10/23/14 - Construction is 1/3 complete; contractor will wait for City projects to finish prior to continuing unless existing manhole condition is severe.

11/20/14 - Construction is continuing in coordination with City street projects.

12/18/14 - Construction is continuing.

1/22/15 - Contractor is re-mobilizing.

2/26/15 - Contractor is nearing completion.

3/26/15 - Construction is nearly complete.

4/23/15 - Construction is complete.

5/28/15 - The Board of Directors accepted the improvements at the April 2015 regular meeting.

Account Number	Approved Proi Budget	ne 30,2014 cumulated Cost	 ırrent Year penditures	Encun	nbrances	Balance
#204	\$ 125,000	\$ 9,119	\$ 106,293	\$	-	\$ 9,588
Total	\$ 125,000	\$ 9,119	\$ 106,293	\$		\$ 9,588

PROJECT: #306 Grade 4 Repairs - Phase I

**PROJECT MANAGER:** Rob Hamers, District Engineer

**DESCRIPTION:** District has 1,600 line sections with one or more Grade 4 deficiencies.

**BEGIN DESIGN:** 

Aug-14

APPROX. CONSTRUCTION COMPLETION DATE: Jun-15

Civil Design - 62,230

### **STATUS REPORT:**

8/28/14 - The design phase is underway.

9/25/14 - Engineering staff is reviewing CCTV of Grade 4s in streets set for City improvements such as new paving or slurry seal.

One Grade 5 found in Canadian; Mike Kilbride Ltd. will excavate and repair.

of Grade 4s in City streets designated for

11/20/14 - No change in status. Review of the videos is continuing.

12/18/14 - District Engineer is determining options for completion of all Grade 4s.

1/22/15 - A cost analysis of expected repairs for Phases I and II was presented to Board at the February study session.

2/26/15 - Budgeting for this project is being discussed at the 2/10/15 study session.

3/26/15 - The Phase I plans are being completed but construction will not occur until after the next District-wide CCTV project.

4/23/15 - The phase I plans are nearly complete.

5/28/15 - The Phase I plans are complete and the first two phases were combined into the Phase I plans.

	Account Number	•	proved j Budget	e 30, 2014 cumulated Cost	rent Year enditures	Encumb	rances	Ва	lance
#306		\$	68,000	\$ -	\$ 59,895	\$	_	\$	8,105
		\$	68,000	\$ -	\$ 59,895	\$	_	\$	8,105

PROJECT:	#309 City Manhole Adjustment Program
PROJECT MANAGER:	Rob Hamers, District Engineer
DESCRIPTION:	

**BEGIN DESIGN:** 

APPROX. CONSTRUCTION COMPLETION DAT

Civil Design -

**STATUS REPORT:** 

	Account Number	Approved Proj Budget	June 30, 2014 Accumulated Cost	Current Year Expenditures	Encumbrances	Balance
#309		\$ 340,500	\$ -	\$ -	\$ -	\$ 340,500
		\$ 340,500	\$ -	\$ -	<u> </u>	\$ 340,500