

Hyatt Regency Newport Beach Expansion Sewer Services Questionnaire

1. Please describe the existing sewer facilities (lines and treatment plants) in the project area. Please provide maps and plans for reference, if available.

See attached map book page. Please note that exact utility locations need to be field verified and that OCSD facilities that are outside of public rights of way have easements that restrict improvements.

2. Which treatment plant will the project-generated sewer flow to? Will the treatment plant designated for the area be able to process project-generated sewer? What is the maximum and current average capacity of the treatment plant?

Flow will goto OCSD Plant #2.

Capacity 172 mgd

Avg Flow 151 mgd

3. What are the sewer generation rates applied to residential, commercial, and recreational development? What will be the estimated sewer generation from the proposed project?

Estimate flow increases with the following flow factors:

- 727 gpd/acre for estate density residential (0-3 d.u. /acre);
- 1488 gpd/acre for low density residential (4-7d.u. /acre);
- 3451 gpd/acre for medium density residential (8-16 d.u./acre);
- 5474 gpd/acre for medium-high density residential (17-25 d.u./acre);
- 7516 gpd/acre for high density residential (26-35 d.u./acre);
- 2262 gpd/acre for commercial/office;
- 3167 gpd/acre for industrial;
- 2715 gpd/acre for institutional;
- 5429 gpd/acre for high intensity industrial/commercial;
- 150 gpd/room for hotels and motels;
- 50 gal./seat for restaurants, and
- 129 gpd/acre for recreation and open space usage.

Compare flow increases to previous zoning.

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Sewer Services Questionnaire**

4. What is the capacity of the conveyance facilities impacted by the project? Will the conveyance facilities be able to accommodate the project-generated sewer?

Since there are multiple OCSD facilities within the area, a specific connection point needs to be specified.

5. What impact will the proposed project, in combination with all the other development projects in the area, have on the existing conveyance facilities and treatment plants?

Treatment Plant – no impact

Conveyance facilities - Depends on answer to questions 3 and 4. Please include within the CEQA doc a sewer study that indicates proposed connection locations and flow increases.

6. Which mitigation measures, if any, would you recommend for the proposed project?

That low flow water fixtures be used that include waterless urinals for commercial and office buildings.

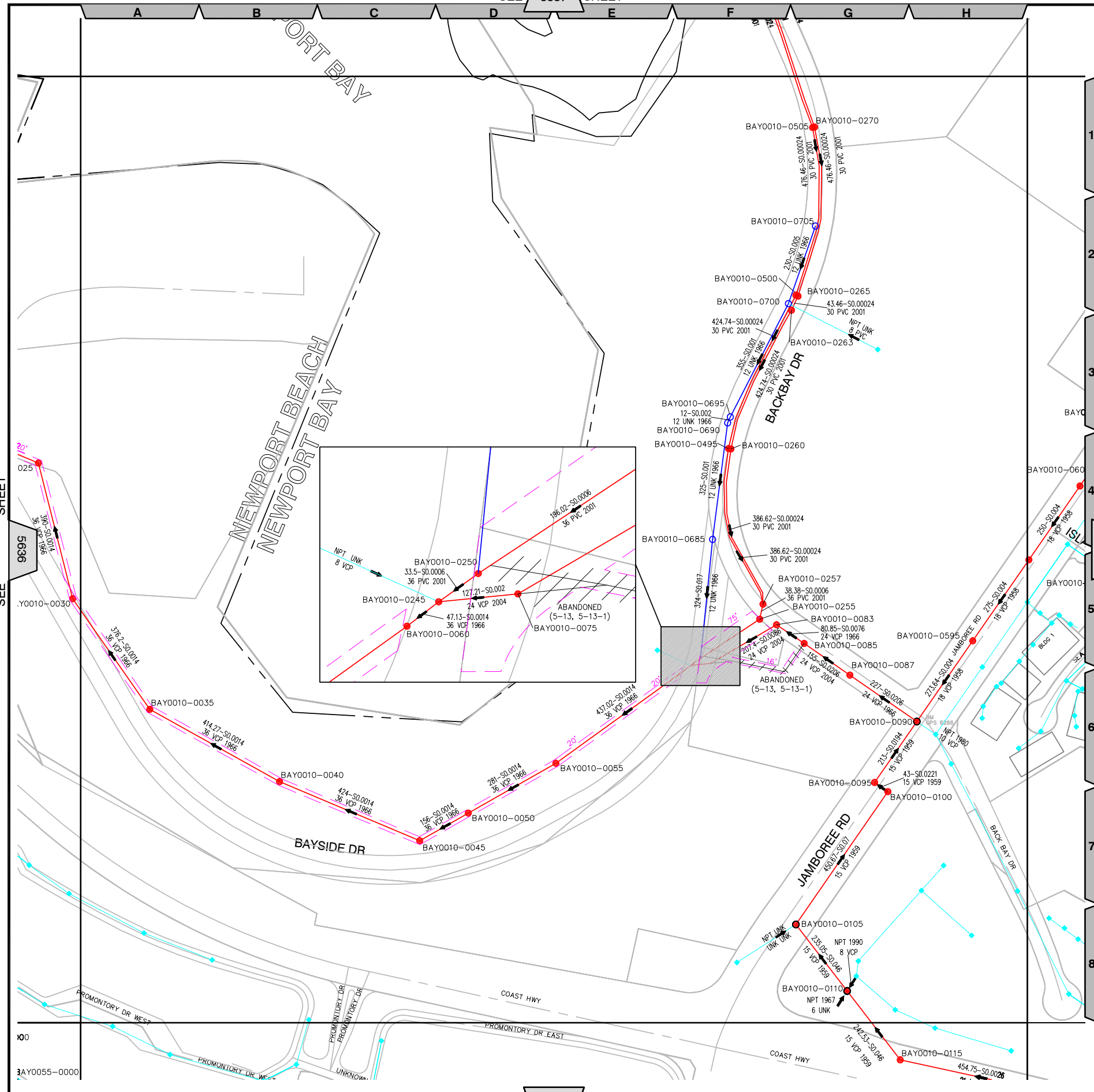
Response Prepared By:

Name

Title

Agency

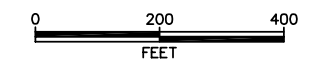
Date



MANHOLE ID	CONTRACT	STATION NUMBER	MH DEPTH	RIM ELEV CD	X	Y
BAY0010-0035	5-13	22+53.10	10.7	11.75	A	6
BAY0010-0040	5-13	26+67.37	10	11.6	B	6
BAY0010-0045	5-13	30+91.37	9	11.2	C	7
BAY0010-0050	5-13	32+47.37	8.9	11.3	D	7
BAY0010-0055	5-13	35+28.37	8.7	11.5	E	6
BAY0010-0075	5-13-1	10+00.00	10.81	16	F	5
BAY0010-0083	5-13-1	12+12.90	7.03	14.2	F	5
BAY0010-0085	5-13	43+63.74	7.6	16.2	G	5
BAY0010-0087	5-13-1	14+61.52	7	18.4	G	6
BAY0010-0090	5-13	47+45.98	13.5	30	H	6
BAY0010-0095	5-F	2+07.00	12.1	33.4	G	6
BAY0010-0100	5-F	2+67.00	10.9	33.4	G	7
BAY0010-0105	5-F	7+17.67	6	60	G	8
BAY0010-0110	5-F	9+50.16	20.8	85.6	G	8
BAY0010-0245	5-46	0+00.00	13.32	16.1	F	5
BAY0010-0250	5-46	0+33.50	13.8	16	F	5
BAY0010-0255	5-46	2+29.52	11.58	14.95	F	5
BAY0010-0257	5-46	2+72.90	11.48	14.95	F	5
BAY0010-0260	5-46	6+59.52	10.5	14	F	4
BAY0010-0263	5-46	10+84.26	12.27	16	G	2
BAY0010-0265	5-46	11+27.72	12.2	16	G	2
BAY0010-0270	5-46	16+04.18	9.1	13	G	1
BAY0010-0495	5-46	6+59.52	10.5	14	F	4
BAY0010-0500	5-46	11+27.72	12.2	16	G	2
BAY0010-0505	5-46	16+04.18	9.1	13	G	1
BAY0010-0595	5-C	0+27.80	9.2	27.8	H	5
BAY0010-0685	5-46	3+24.00	7.83	16.36	F	4
BAY0010-0690	5-46	6+49.00	5.94	14.97	F	3
BAY0010-0695	5-46	6+61.00	6.15	15.15	F	3
BAY0010-0700	5-46	10+16.00	8.34	17.98	F	2
BAY0010-0705	5-46	12+46.00	8.76	18.57	G	2

MAP SYMBOLS LEGEND:

- ▲ OCSD Diversion Structure
- OCSD Manhole
- OCSD Sewer
- Easement Boundary
- PS-AREA/LOC Pump Station
- Force Main
- LOOP TAG # Force Main Valve
- Force Main Air Valve
- Force Main Node
- Directional Flow Arrow
- ▲ OCSD Maintained Diversion Structure
- OCSD Maintained Manhole
- OCSD Maintained Sewer
- Third Party Connection
- Non OCSD System
- (SANTA ANA AV) Historic Street Name



SERVICE AREA 5

Orange County Sanitation District

Last Revised: 01/01/2007

5637

SEE SHEET 9695

SEE SHEET 5638