

COUNTY of ORANGE
OC PUBLIC WORKS
FIELD UNIT - COMPUTER PROCESSING & MAPPING
FIELD DATA REPORT
FAIRVIEW CHANNEL REHABILITATION (D04) PROJECT - EF21459
VOLUME SUMMARY

Sub-Area	Station / Location	Surface Description		2D Area (Sq.Ft)	Cut Factor	Fill Factor	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)	
		Base *	Comparison**							
VOLUME INCLUDING CHANNEL & LEVEE ROADS (R/W TO R/W), EXCLUDING CONCRETE AREAS										
U/S Placentia Ave. to D/S Outlet Struct. E'ly of Costa Mesa Golf Course	80+61 TO 83+78	Existing Surface	Record As-Built Surface	79424	1.0	1.0	2123	2255	132	Cut
D/S Placentia Ave. to Greenville Banning confluence	83+78 TO 109+87	Existing Surface	Record As-Built Surface	223066	1.0	1.0	1488	12810	11322	Fill
TOTAL							3611	15065	11454	<Fill>

NOTE :

1. Record as-built surface was established holding the intent from the record as-built drawing.
2. Existing structures were controlling factors for the channel bottom profile.
3. To maintain design intent, record vertical differences were the controlling factor for establishing the maintenance road height.
4. From the edge of maintenance road, a 1.5:1 slope ratio was maintained until daylighting to existing conditions.

OC Survey Reference Record As-Built Drawing:

1. FAIRVIEW CHANNEL (PROJECT D4) AND NORTH COSTA MESA STORM DRAIN FEBRUARY, 1958
2. FAIRVIEW CHANNEL FACILITY D04 AT PLACENTIA AVENUE JUNE, 1991
3. LOWER SANTA ANA RIVER CHANNEL (PACIFIC OCEAN TO FAIRVIEW CHANNEL) AND GREENVILLE-BANNING CHANNEL AS BUILT DREAING 1991

OC Survey Surface Used:

*FAIRVIEWCHANNEL_TOPO_2019

** FAIRVIEWCHANNEL_CORRIDOR_2019