

COUNTY of ORANGE
OC PUBLIC WORKS
FIELD UNIT - COMPUTER PROCESSING & MAPPING
FIELD DATA REPORT
F07 EL MODENA-IRVINE CHANNEL - EF21271
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 FROM HINGE POINT TO HINGE POINT (EXCLUDING CONCRETE AREAS)										
U/S 17TH STREET TO D/S FAIRHAVEN AVENUE	223+22 TO 284+80	El Modena 2018 Topo Surface	El Modena Channel Record As-Built	134263	1.0	1.0	1277	2133	856	<Fill>

NOTE:

1. Intent of as-built surface was held from the record as-built drawing with modifications completed based on Project Engineer direction. Modifications are noted below:
2. Existing structures (weir structures and concrete aprons) were controlling factors for channel bottom profile
3. Maintained 6' channel bottom width at Sta. 260+00-STA 275+00
4. Channel bottom widths follow as-built intent until 100' of concrete transition. Tapered to fit concrete structure
5. Side slope ratio was maintained from record as-built drawings
6. Hinge point was established at the intersection of the side slope and existing surface of the maintenance road

OC Survey Reference Drawing:

1. El Modena Channel F07-101-4A/5A As-Built Plan of Dec 1960/May 1961

OC Survey Surface Used:

- * 2018 Field Survey Topographic Surface
 - ** F07 El Modena As-Built 1960/1961 surface recreated from above mentioned reference drawings with modifications from Project Engineer
- Gradeline widths vary from section to section