

**PROJECT'S COST ESTIMATE  
TITLE SHEET**

FILE NO: \_\_\_\_\_  
PROJECT NAME: \_\_\_\_\_  
OWNER'S NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
ENGINEER'S SIGNATURE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
PRINT NAME

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RCE

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EXP.

Grading Plan Number: \_\_\_\_\_

No. of Sheets: \_\_\_\_\_

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Grading Plan Total Estimate w/ 15% Contingency

Erosion Control Plan Number: \_\_\_\_\_

No. of Sheets: \_\_\_\_\_

\_\_\_\_\_  
Erosion Control Estimate w/ 15% Contingency

Improvement Plan Number: \_\_\_\_\_

No. of Sheets: \_\_\_\_\_

\_\_\_\_\_  
Improvement Plan Estimate w/ 15% Contingency

\_\_\_\_\_  
APPROVED BY

\_\_\_\_\_  
DATE

# COST ESTIMATE GRADING PLAN

ALL STANDARD DRAWINGS ARE PER CITY OF MISSION VIEJO STANDARD DRAWINGS UNLESS OTHERWISE NOTED AS COUNTY (ORANGE COUNTY PUBLIC WORKS STANDARD PLANS)

ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
<b><u>SECTION 1 - EARTHWORK</u></b>				
NET EXPORT				
0-350,000+		CY	\$8-\$31	
NET IMPORT				
0-20,000+		CY	\$15-\$34	
SUB DRAIN (4"-6" DIAMETER)		LF	\$38.00	
SUB DRAIN (8" DIAMETER)		LF	\$45.00	
SUBDRAIN HEADWALL		EA	\$3,200.00	
<b><u>SECTION 2 - DRAINAGE</u></b>				
<b><u>STORM DRAIN</u></b>				
4"-24" PVC STORM DRAIN		LF	\$64.00	
30"-72" PVC STORM DRAIN		LF	\$250.00	
<b><u>MISCELLANEOUS DRAINAGE</u></b>				
CONCRETE (STRUCTURAL) INLET, TYPE I OR II		CY	\$850.00	
		EA	\$9,500.00	
INTERCEPTOR DRAIN		LF	\$35.00	
RETAINING WALL V-DITCH		LF	\$10.00	
JUNCTION STRUCTURE, TYPE I		EA	\$9,000.00	
JUNCTION STRUCTURE, TYPE II		EA	\$8,000.00	
JUNCTION STRUCTURE, TYPE III		EA	\$8,000.00	
JUNCTION STRUCTURE, TYPE IV		EA	\$5,000.00	
JUNCTION STRUCTURE, TYPE V		EA	\$5,000.00	
JUNCTION STRUCTURE, TYPE VI		EA	\$5,000.00	
OVERSIDE DRAINS (STD 1334)		EA	\$410.00	
PARKWAY CULVERT		EA	\$1,500.00	
PCC BOX CULVERT		CY	\$1,405.00	

GRADING PLAN COST ESTIMATE

<b><u>MISCELLANEOUS DRAINAGE CONTINUED</u></b>				
CONCRETE ANCHOR		EA	\$2,000.00	
CONCRETE COLLAR		EA	\$2,000.00	
NON-REINFORCED CONCRETE CONE MANHOLE		EA	\$6,000.00	
REINFORCED CONCRETE CONE MANHOLE, 36"		EA	\$6,500.00	
REINFORCED CONCRETE CONE MANHOLE, 48"		EA	\$7,500.00	
REINFORCED CONCRETE BOX MANHOLE		EA	\$7,500.00	
RIP RAP		CY	\$190.00	
CONNECT TO EXISTING S.D.		EA	\$3,000.00	
HYDRO-DYNAMIC SEPERATOR, CDS OR EQUAL		EA	\$10,500.00	
DESILTING BASIN, SMALL (SINGLE LOT)		SF	\$5.00	
DESILTING BASIN, LARGE (SUBDIVISION)		SF	\$14.00	
BIO-SWALE		LF	\$6.50	
FILTER INSERT		EA	\$2,500.00	
<b><u>SECTION 3 - CURB AND GUTTER, SIDEWALK AND CURB RAMP</u></b>				
CURB & GUTTER REMOVAL		LF	\$10.00	
6" CURB & GUTTER		LF	\$35.00	
8" CURB & GUTTER		LF	\$43.00	
ROLLED CURB		LF	\$37.00	
ADA CURB RAMPS W/TRUNCATED DOME		SF	\$12.00	
4" PCC SIDEWALK				
	0-5,000	SF	\$6.00	
	>5,000	SF	\$4.75	
<b><u>PAVEMENT</u></b>				
AC PAVING (1"-4" SURFACE)		SF	\$2.00	
AC PAVING (4"-8" SURFACE)		SF	\$3.00	
AGGREGATE BASE PAVING		SF	\$1.50	
PCC PAVING		SF	\$8.00	
AC PAVEMENT REMOVAL		SF	\$3.85	
ASPHALT GRINDING		SF	\$0.45	

GRADING PLAN COST ESTMATE

<b><u>MISCELLANEOUS SURFACE IMPROVEMENTS</u></b>			
CROSS-GUTTER		SF	\$10.50
DRIVEWAY APPROACH		SF	\$9.00
TRENCH RESTORATION		LF	\$32.00
AC SLURRY SEAL		SF	\$0.90
ADJUST MANHOLE TO GRADE		EA	\$3,900.00
ADJUST VALVE TO GRADE		EA	\$1,200.00
SURVEY MONUMENT, TYPE A		EA	\$1,025.00
SURVEY MONUMENT, TYPE B		EA	\$1,200.00

**SUBTOTAL:**

**Contingencies - 15%:**

**TOTAL COST OF GRADING PLAN:**

# COST ESTIMATE

## EROSION CONTROL

ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
GRAVEL BAG		EA	\$3.85	
JUTE NETTING		SF	\$0.40	
STRAW MAT		SF	\$0.35	
STRAW BALES		EA	\$7.00	
SILT FENCE		LF	\$2.05	
FIBER ROLLS		LF	\$3.85	
FIBER MATT		SF	\$0.40	
HYDRO-SEED		SF	\$0.40	
HYDRAULIC MULCH		SF	\$0.40	
STABILIZED CONSTRUCTION ENTRANCE		SF	\$10.00	
CONCRETE WASHOUT		EA	\$1,000.00	
TEMPORARY DRAINAGE INLET		EA	\$300.00	

**SUBTOTAL:**

**Contingencies - 15%:**

**TOTAL COST ESTIMATE FOR EROSION CONTROL:**

# COST ESTIMATE IMPROVEMENT PLAN

ALL STANDARD DRAWINGS ARE PER CITY OF MISSION VIEJO STANDARD DRAWINGS UNLESS OTHERWISE NOTED AS COUNTY (ORANGE COUNTY PUBLIC WORKS STANDARD PLANS)

ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
<b><u>SECTION 1 - EARTHWORK</u></b>				
NET EXPORT				
0-350,000+		CY	\$8-\$31	
NET IMPORT				
0-20,000+		CY	\$15-\$34	
<b><u>SECTION 2 - DRAINAGE</u></b>				
<b><u>STORM DRAIN PIPE</u></b>				
18"-42" RCP STORM DRAIN		LF	\$160.00	
48"-72" RCP STORM DRAIN PIPE		LF	\$300.00	
<b><u>MISCELLANEOUS DRAINAGE</u></b>				
CONCRETE (STRUCTURAL)		CY	\$850.00	
INLET, TYPE I		EA	\$8,500.00	
INLET, TYPE II		EA	\$8,500.00	
INTERCEPTOR DRAIN		LF	\$35.00	
RETAINING WALL V-DITCH		LF	\$10.00	
JUNCTION STRUCTURE, TYPE I		EA	\$9,000.00	
JUNCTION STRUCTURE, TYPE II		EA	\$8,000.00	
JUNCTION STRUCTURE, TYPE III		EA	\$8,000.00	
JUNCTION STRUCTURE, TYPE IV		EA	\$5,000.00	
JUNCTION STRUCTURE, TYPE V		EA	\$5,000.00	
JUNCTION STRUCTURE, TYPE VI		EA	\$5,000.00	
OVERSIDE DRAINS (STD 1334)		EA	\$410.00	
PARKWAY CULVERT		EA	\$1,500.00	
PCC BOX CULVERT		CY	\$1,405.00	
CONCRETE ANCHOR		EA	\$2,000.00	
CONCRETE COLLAR		EA	\$2,000.00	
NON-REINFORCED CONCRETE CONE MANHOLE		EA	\$6,000.00	

IMPROVEMENT PLAN COST ESTIMATE

<b><u>MISCELLANEOUS DRAINAGE CONTINUED</u></b>				
REINFORCED CONCRETE CONE MANHOLE, 36"		EA	\$6,500.00	
REINFORCED CONCRETE CONE MANHOLE, 48"		EA	\$7,500.00	
REINFORCED CONCRETE BOX MANHOLE		EA	\$7,500.00	
RIP RAP		CY	\$190.00	
<b><u>SECTION 3 - SURFACE IMPROVEMENTS</u></b>				
<b><u>CURB &amp; GUTTER</u></b>				
CURB & GUTTER REMOVAL		LF	\$10.00	
6" CURB & GUTTER		LF	\$35.00	
8" CURB & GUTTER		LF	\$43.00	
<b><u>PAVEMENT</u></b>				
AC PAVING (1"-4" SURFACE)		SF	\$2.00	
AC PAVING (4"-8" SURFACE)		SF	\$3.00	
AGGREGATE BASE PAVING		SF	\$1.50	
PCC PAVING		SF	\$8.00	
AC PAVEMENT REMOVAL		SF	\$3.85	
ASPHALT GRINDING		SF	\$0.45	
<b><u>CURB RAMPS &amp; SIDEWALK</u></b>				
ADA CURB RAMP W/TRUNCATED DOME		SF	\$20.00	
SIDEWALK REMOVAL		SF	\$2.00	
4" PCC SIDEWALK				
	0-5,000	SF	\$6.00	
	>5,000	SF	\$4.75	
<b><u>MISCELLANEOUS SURFACE IMPROVEMENTS</u></b>				
CROSS-GUTTER		SF	\$10.50	
DRIVEWAY APPROACH		SF	\$9.00	
TRENCH RESTORATION		LF	\$32.00	
AC SLURRY SEAL		SF	\$0.90	
ADJUST MANHOLE TO GRADE		EA	\$3,900.00	
ADJUST VALVE TO GRADE		EA	\$1,200.00	

IMPROVEMENT PLAN COST ESTIMATE

**SECTION 4- MISCELLANEOUS IMPROVEMENTS**

**MISCELLANEOUS ITEMS**

TYPE I OR II DELINEATOR BARRICADE		EA	\$40.00	
SAW CUT EXISTING (AC/PCC)		LF	\$6.00	
SURVEY MONUMENT, TYPE A		EA	\$1,025.00	
SURVEY MONUMENT, TYPE B		EA	\$1,200.00	

**SECTION 5 - TRAFFIC**

**TRAFFIC CONTROLS**

DETECTOR LOOPS		EA	\$600.00	
PULL BOX, TYPE #6 AND 6E		EA	\$800.00	
PULL BOX, REMOVE		EA	\$250.00	
REMOVE STRIPING AND PAVEMENT MARKINGS		LF	\$3.00	
STREET LIGHT - STANDARD		EA	\$8,000.00	
LIGHTED STREET NAME SIGN (IISNS LED)		EA	\$2,500.00	
NON-LIGHTED STREET NAME SIGN STANDARD		EA	\$512.00	
STREET STRIPING AND PAVEMENT MARKINGS				
	0-4000'	LF	\$1.30	
	>4,000'	LF	\$1.00	
PEDESTRIAN PUSH BUTTON ASSEMBLY		EA	\$1,500.00	
TRAFFIC SIGNAL CONTROLLER CABINET, TYPE		EA	\$25,000.00	
TRAFFIC SIGNAL SERVICE CABINET, TYPE 3		EA	\$7,000.00	
CONDUIT, 3" PVC		LF	\$35.00	
CONDUIT, 4" PVC		LF	\$42.00	
REGULATORY TRAFFIC SIGN		EA	\$400.00	
FULL INTERSECTION WIRING (4-LEGS)		LS	\$16,000.00	

**SUBTOTAL:** \_\_\_\_\_

**Contingencies - 15%:** \_\_\_\_\_

**TOTAL COST ESTIMATE FOR IMPROVEMENT PLAN:** \_\_\_\_\_