

### Jefferson Street Proposed Infiltration Trench Summary

ID	Street Section	Half Street Width (ft)	Roadway Drainage Length (ft)	Sub-drainage Area (acre)	100-Y Peak Q (cfs)	100-Y 24-H Storm Volume (cf)	HDPE Estimated Length (ft)	24-H Infiltration Volume * (cf)	Design Storage Volume (cf)	Req'd 60" HDPE Storage (lf)	60" HDPE Proposed (lf)	Remarks
1	Hwy 111 to La Quinta Bndy West	67	1660	2.6	3.3	33703	700	13440	20263	654	660	West side C&G, S/W, 1-CB near Hwy 111, a dbl grate inlet 300' north of bndy, outlet unknow **
2	Hwy 111 to Ave. 48 East	67	2400	3.7	4.8	48727	1,000	19200	29527	952	1000	East side C&G, raised median, trees, wall, narrow Pkwy, 1-CB near Hwy 111, no other CB, no space for Infiltration Trench**
3	Avenue 48 to 49 East	67	2640	4.1	5.3	53600	1,100	21120	32480	1048	1050	Eastside C&G, S/W, landscaped Pkwy, 2-drywells on Pkwy
4	Avenue 49 to 50 East	67	2000	3.1	4.0	40606	800	15360	25246	814	850	East side C&G, S/W, Landscaped 680 LF & 1 CB north of Ave 50, 1-Grate Inlet may be connected to CB x-street
**	Alternative SD- 1200 LF of 30" RCP or HDPE along west side with 2-14' CB one on each side street, outlet to the La Quinta Channel, replace 1&2, see cost per Jefferson St South SD											
<b>Jefferson South Total</b>			<b>8,700</b>	<b>13.4</b>	<b>17</b>	<b>176,636</b>	<b>3,600</b>	<b>69,120</b>	<b>107,516</b>	<b>3,468</b>	<b>3,560</b>	

\*24-Hour Infiltration Volume = Estimated HDPE Length (80% Trench Width) [(Infiltration Rate 1.5 inches/Hour) /12] (24 Hour)

Average Street 100-year Q=1.3\*(Area in Acre)

Average Storm 100-year 24-Hour Volume =13200\*(Area in Acre)

JEFFERSON MDP IMPROVEMENT PROJECT					
PRELIMINARY DRAINAGE IMPROVEMENT COSTS (PERFERED ALTERNATIVE)					
NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	CATCH BASIN PER CITY OF INDIO STD. PLAN NO. 300 WITH ADS FLEX STORM PURE INLET FILTER (OR EQUAL) AND LOCAL DEPRESSION STD. NO. 303	LF	42	\$560	\$23,520
2	INSTALL 18" HDPE STORM DRAIN PIPE	LF	100	\$177	\$17,700
3	INSTALL 60" PERFORATED (BOTTOM) HDPE STORM DRAIN PIPE PER TRENCH INSTALLATION DETAIL	LF	1900	\$240	\$456,000
4	INSTALL MANHOLE PER ADS 60" HDPE MANHOLE WITH 30" SOLID COVER	EA	3	\$9,000	\$27,000
5	CONSTRUCT DRAINAGE INLET PER CALTRANS STD. PLAN RSP D73D, TYPE GT3 WITH ADS FLEX STORM PURE INLET FILTER (OR EQUAL)	EA	2	\$10,000	\$20,000
6	RELOCATION OF EXISTING WATER, WATER LATERAL, SEWER LATERAL, AND MISC. ITEMS	LS	1	\$40,000	\$40,000
7	MAXWELL PLUS DRAINAGE SYSTEM (40' DEEP)	EA	2	\$40,000	\$80,000
				<b>IMPROVEMENTS COST SUBTOTAL</b>	<b>\$ 664,220</b>

NOTE: STORM DRAIN SOUTH OF HIGHWAY 111, NORTH OF AVE 48 PER JEFFERSON STREET SOUTH SD COST ESTIMATE

**JEFFERSON STREET IMPROVEMENT PROJECT  
PRELIMINARY DRAINAGE IMPROVEMENT COSTS (ALTERNATIVE)**

NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	CATCH BASIN PER CITY OF INDIO STD. PLAN NO. 300 WITH ADS FLEX STORM PURE INLET FILTER (OR EQUAL) AND LOCAL DEPRESSION STD. NO. 303	LF	56	\$560	\$31,360
2	INSTALL 18" HDPE STORM DRAIN PIPE	LF	160	\$177	\$28,320
3	INSTALL 60" PERFORATED (BOTTOM) HDPE STORM DRAIN PIPE PER TRENCH INSTALLATION DETAIL	LF	3550	\$240	\$852,000
4	INSTALL MANHOLE PER ADS 60" HDPE MANHOLE WITH 30" SOLID COVER	EA	6	\$9,000	\$54,000
5	CONSTRUCT DRAINAGE INLET PER CALTRANS STD. PLAN RSP D73D, TYPE GT3 WITH ADS FLEX STORM PURE INLET FILTER (OR EQUAL)	EA	2	\$10,000	\$20,000
6	RELOCATION OF EXISTING WATER, WATER LATERAL, SEWER LATERAL, AND MISC. ITEMS	LS	1	\$50,000	\$50,000
7	MAXWELL PLUS DRAINAGE SYSTEM (40' DEEP)	EA	4	\$40,000	\$160,000
				<b>IMPROVEMENTS COST SUBTOTAL</b>	<b>\$1,195,680</b>

JEFFERSON MDP IMPROVEMENT PROJECT					
PRELIMINARY DRAINAGE IMPROVEMENT COSTS (PERFERED ALTERNATIVE)					
NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1	CATCH BASIN PER CITY OF INDIO STD. PLAN NO. 300 WITH ADS FLEX STORM PURE INLET FILTER (OR EQUAL) AND LOCAL DEPRESSION STD. NO. 303	LF	56	\$560	\$31,360
2	INSTALL 18" HDPE STORM DRAIN PIPE	LF	80	\$177	\$14,160
3	INSTALL 30" HDPE STORM DRAIN PIPE	LF	1200	\$233	\$279,600
4	MH WITH JUNCTION	EA	3	\$8,000	\$24,000
5	30" SD OUTLET AT CHANNEL	EA	1	\$10,000	\$10,000
6	INSTALL 60" PERFORATED (BOTTOM) HDPE STORM DRAIN PIPE PER TRENCH INSTALLATION DETAIL	LF	1900	\$240	\$456,000
7	INSTALL MANHOLE PER ADS 60" HDPE MANHOLE WITH 30" SOLID COVER	EA	3	\$9,000	\$27,000
8	CONSTRUCT DRAINAGE INLET PER CALTRANS STD. PLAN RSP D73D, TYPE GT3 WITH ADS FLEX STORM PURE INLET FILTER (OR EQUAL)	EA	2	\$10,000	\$20,000
9	RELOCATION OF EXISTING WATER, WATER LATERAL, SEWER LATERAL, AND MISC. ITEMS	LS	1	\$50,000	\$50,000
10	MAXWELL PLUS DRAINAGE SYSTEM (40' DEEP)	EA	2	\$40,000	\$80,000
				<b>IMPROVEMENTS COST SUBTOTAL</b>	<b>\$ 992,120</b>

NOTE: ITEMS 2-5 PER JEFFERSON STREET SOUTH SD COST ESTIMATE, ITEMS LISTED HERE FOR COST COMPARISON