

ENGINEER'S OPINION OF PROBABLE COSTS

Client/Owner: **County of Yolo / City of Davis**
 Project: **North Davis Meadows Water System Consolidation**
 Percent Complete: **90% PS&E**
 Prepared By: **AJU**
 Review By: **NAM**
 Date: **31-Jul-2017**



ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	SRF Eligible
1	Mobilization	1	LS	\$ 229,000	\$ 229,000	Yes
2	Sheeting, Shoring and Bracing	1	LS	\$ 79,000	\$ 79,000	Yes
3	Traffic Control	1	LS	\$ 80,000	\$ 80,000	Yes
4	Storm Water Pollution Prevention	1	LS	\$ 15,000	\$ 15,000	Yes
5	Construction Surveying and Staking	1	LS	\$ 50,000	\$ 50,000	Yes
6	Landscape and Site Restoration for Public Improvements	1	LS	\$ 116,000	\$ 116,000	Yes
7	Obtain City of Davis Encroachment Permit for Metered Connection	95	EA	\$ 1,000	\$ 95,000	Yes
8	Cross-Connection Control	94	EA	\$ 1,100	\$ 103,400	Yes
9	6-inch Diameter PVC Water Main in County Road 99D R/W	5470	LF	\$ 200	\$ 1,094,000	Yes
10	6-inch Diameter PVC Water Main in golf course property	1338	LF	\$ 110	\$ 147,180	Yes
11	6-inch Diameter PVC Water Main in residential road/path	176	LF	\$ 130	\$ 22,880	Yes
12	4-inch Diameter PVC Water Main in golf course and county property	2766	LF	\$ 95	\$ 262,770	Yes
13	4-inch Diameter PVC water pipe in residential road/path	9146	LF	\$ 124	\$ 1,134,104	Yes
14	6-inch Diameter Restrained Joint DIP Water Main in County Road 99D	58	LF	\$ 400	\$ 23,200	Yes
15	6-inch Diameter Restrained Joint DIP Water Main in Easement	231	LF	\$ 400	\$ 92,400	Yes
16	4-inch Diameter Restrained Joint DIP Water Main in Easement	200	LF	\$ 400	\$ 80,000	Yes
17	6-inch Gate Valve and Box	4	EA	\$ 2,700	\$ 10,800	Yes
18	4-inch Gate Valve and Box	30	EA	\$ 2,300	\$ 69,000	Yes
19	2-inch Blow-Off Valve Assembly with Box	10	EA	\$ 1,400	\$ 14,000	Yes
20	1-inch Combination Air Valve Assembly with Cover	3	EA	\$ 5,000	\$ 15,000	Yes
21	1.5-inch Service from Main Through Backflow Preventer	61	EA	\$ 2,100	\$ 128,100	Yes
22	2-inch Service from Main Through Backflow Preventer	33	EA	\$ 2,600	\$ 85,800	Yes
23	2-inch Service From Main to Existing Meter (Golf Course)	1	EA	\$ 2,000	\$ 2,000	Yes
24	Locate existing valve box and adjust to grade	19	EA	\$ 700	\$ 13,300	Yes
25	1-inch Service and Sampling Station	3	EA	\$ 3,500	\$ 10,500	Yes
26	1.5-inch Water Service from Backflow Preventer to House-External Connection	60	EA	\$ 8,100	\$ 486,000	No
27	2-inch Water Service from Backflow Preventer to House-External Connection	29	EA	\$ 9,100	\$ 263,900	No
28	1.5-inch Water Service from Backflow Preventer to House- Internal Connection	1	EA	\$ 9,600	\$ 9,600	No
29	2-inch Water Service from Backflow Preventer to House- Internal Connection	4	EA	\$ 10,500	\$ 42,000	No
30	Water Main Tie-In County Road 99D	1	LS	\$ 8,000	\$ 8,000	Yes
31	Water Main Tie-In at Easement	1	LS	\$ 15,000	\$ 15,000	Yes
32	Aclara System Data Collector Unit Antenna for Automated Meter Reading System	1	LS	\$ 12,000	\$ 12,000	Yes

SUBTOTAL	\$	4,808,934
SRF ELIGIBLE SUBTOTAL	\$	4,007,434
CONTINGENCY	15% \$	721,340
SRF ELIGIBLE CONTINGENCY	\$	601,115
TOTAL (rounded)	\$	5,530,000
SRF ELIGIBLE TOTAL (rounded)	\$	4,609,000
NON-ELIGIBLE TOTAL (rounded)	\$	921,000