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**Western Hills Sanitary Sewer Replacement  
 Construction Cost Estimate**

Item	Description	QTY	Units	Unit Cost	Estimated Total
1	Sanitary Manhole	160	VF	\$ 820.00	\$ 131,200.00
2	Manhole Frame & Cover	22	EA	\$ 920.00	\$ 20,240.00
3	8" Gravity Sewer Line	3734	LF	\$ 80.00	\$ 298,720.00
4	10" Gravity Sewer Line	2517	LF	\$ 90.00	\$ 226,530.00
5	Concrete Encasement	200	LF	\$ 400.00	\$ 80,000.00
6	Service Lateral Main Connection	65	EA	\$ 300.00	\$ 19,500.00
7	4" PVC Cleanout Assembly	65	EA	\$ 950.00	\$ 61,750.00
8	4" PVC Service Pipe (Open Cut)	1950	LF	\$ 45.00	\$ 87,750.00
9	Riprap Protection	200	LF	\$ 900.00	\$ 180,000.00
10	Remove Block Building	1	EA	\$ 5,000.00	\$ 5,000.00
11	Relocate Existing Structures	1	LS	\$ 7,500.00	\$ 7,500.00
12	Tree Removal	1	LS	\$ 20,000.00	\$ 20,000.00
13	Culvert Inlet Protection	33	EA	\$ 340.00	\$ 11,220.00
14	Pavement Patch	600	SY	\$ 100.00	\$ 60,000.00
15	Seeding & Fine Grading	1	LS	\$ 15,000.00	\$ 15,000.00
16	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
17	Construction Stakeout	1	LS	\$ 18,000.00	\$ 18,000.00
18	Mobilization/Demobilization (Max 5% of Bid)	1	LS	\$ 62,400.00	\$ 62,400.00
				<b>Subtotal</b>	<b>\$ 1,309,810.00</b>
				<b>25% Contingencies</b>	<b>\$ 327,452.50</b>
				<b>Estimated Construction Cost</b>	<b>\$ 1,637,262.50</b>

