

PROJECT: Site Development Plans for Wu's House - Naperville				SHEET	1 of 1
BY: MRR	DATE:	7/25/2022	JOB NO.:	R990.02	
CHECKED: MRR	REV. DATE:	10/07/22			
SUBJECT: Site Improvements		Engineer's Opinion of Probable Costs			
ITEM	UNITS	UNIT PRICE	QUANTITY	TOTAL	
SANITARY SEWER					
Total Sanitary Sewer				\$	-
WATER MAIN					
6" DIWM CL. 52	LF	\$ 50.00	40	\$	2,000.00
8" DIWM CL. 52	LF	\$ 70.00	75	\$	5,250.00
12x8 Tapping Valve in 60" Vault	EA	\$ 6,800.00	1	\$	6,800.00
Fire Hydrant Assembly	EA	\$ 6,750.00	1	\$	6,750.00
Auger 8" DIWM	EA	\$ 275.00	92	\$	25,300.00
Testing / Chlorination	LS	\$ 2,500.00	1	\$	2,500.00
Total Water Main				\$	48,600.00
STORM SEWER					
12" RCP	LF	\$ 28.50	564	\$	16,074.00
6" PVC SDR 26	LF	\$ 50.00	4	\$	200.00
15" RCP	LF	\$ 32.00		\$	-
18" RCP	LF	\$ 45.00	122	\$	5,490.00
Inlets, TY. A	EA	\$ 2,500.00	4	\$	10,000.00
Manhole, TY. A -4' DIA.	EA	\$ 3,200.00	3	\$	9,600.00
Manhole, TY. A -5' DIA.	EA	\$ 3,500.00	1	\$	3,500.00
Catch Basin, TY. A -6' DIA.	EA	\$ 4,500.00	1	\$	4,500.00
Connect to Existing MH	EA	\$ 1,000.00	1	\$	1,000.00
Trench Backfill	CY	\$ 30.00	250	\$	7,500.00
Total Storm Sewer/Storm Water Detention				\$	57,864.00
EARTHWORK					
Topsoil Excavation	CY	\$5.50	2,445	\$	13,447.50
Clay Excavation to Fill	CY	\$7.50	1,950	\$	14,625.00
Building Pad Fine Grading	SY	\$2.50	2,155	\$	5,387.50
Topsoil Respread	SY	\$2.25	2,850	\$	6,412.50
Total Soil Erosion Control				\$	39,872.50
SOIL EROSION CONTROL					
Silt Fence	LF	\$2.50	1,210	\$	3,025.00
Inlet Protection	EA	\$350.00	10	\$	3,500.00
Stabilized Construction Entrance	EA	\$2,500.00	1	\$	2,500.00
Concrete Washout	EA	\$500.00	1	\$	500.00
Erosion Control BMP Maintenance	EA	\$7,500.00	1	\$	7,500.00
Total Soil Erosion Control				\$	17,025.00
SIDEWALK					
PCC Sidewalk Removal	SF	\$5.50	300	\$	1,650.00
PCC Sidewalk	SF	\$7.50	335	\$	2,512.50
PCC Sidewalk - Commercial	SF	\$10.50	300	\$	3,150.00
Total Sidewalk Improvements				\$	7,312.50
PAVEMENT					
1.5" Hot Mix Asphalt Surface Course, Mix C, N50	SY	\$6.90	310	\$	2,139.00
3.5" Hot Mix Asphalt Binder Course,, N50	SY	\$14.50	310	\$	4,495.00
12" Crushed Aggregate Course, Ty. B	SY	\$8.25	310	\$	2,557.50
Prime Coat, MC-30, at 0.30 Gal/S.Y.	GALLONS	\$1.50	103	\$	154.50
6" Barrier Curb	LF	\$15.00	200	\$	3,000.00
Curb Removal	SF	\$25.00	210	\$	5,250.00
Total Parking Lot Improvements				\$	17,596.00
LANDSCAPING					
Tree Protection Fencing	EACH	\$500.00	4	\$	\$2,000.00
Site Landscaping - Canopy Trees	EACH	\$650.00	28	\$	\$18,200.00
Site Landscaping - Evergreen	EACH	\$550.00	5	\$	\$2,750.00
Site Landscaping - Understory Trees	EACH	\$350.00	6	\$	\$2,100.00
Site Landscaping - Deciduous Shrubs	EACH	\$85.00	230	\$	\$19,550.00
Site Landscaping - Evergreen Shrubs	EACH	\$85.00	144	\$	\$12,240.00
Site Landscaping - Grasses	EACH	\$6.00	67	\$	\$402.00
Site Landscaping - Mulch	SF	\$1.50	5,150	\$	\$7,725.00
Site Landscaping -Perennials	EACH	\$5.50	294	\$	\$1,617.00
Sodding	SF	\$1.50	15,388	\$	\$23,082.00
Total Parking Lot Improvements				\$	\$89,666.00
TOTAL IMPROVEMENT COSTS				\$	277,936.00