

<b>PROJECT: Site Development Plans for Wu's House - Naperville</b>			<b>SHEET</b>	1 of 1
<b>BY: MRR</b>	<b>DATE:</b>	7/25/2022	<b>JOB NO.:</b>	R990.02
<b>CHECKED: MRR</b>	<b>REV. DATE:</b>	11/07/22		
<b>SUBJECT: Site Improvements</b>		<b>Engineer's Opinion of Probable Costs</b>		
ITEM	UNITS	UNIT PRICE	QUANTITY	TOTAL
<b>SANITARY SEWER</b>				
<b>Total Sanitary Sewer</b>				<b>\$ -</b>
<b>WATER MAIN</b>				
6" DIWM CL. 52	LF	\$ 50.00	40	\$ 2,000.00
8" DIWM CL. 52	LF	\$ 70.00	267	\$ 18,690.00
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	LF	\$ 275.00	184	\$ 50,600.00
WM Protection - WM Quality Pipe	LF	\$ 80.00	28	\$ 2,240.00
Testing / Chlorination	LS	\$ 2,500.00	1	\$ 2,500.00
Trench Backfill	CY	\$ 35.00	95	\$ 3,325.00
<b>Total Water Main</b>				<b>\$ 92,905.00</b>
<b>STORM SEWER</b>				
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
<b>Total Storm Sewer/Storm Water Detention</b>				<b>\$ 57,864.00</b>
<b>EARTHWORK</b>				
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
<b>Total Soil Erosion Control</b>				<b>\$ 39,872.50</b>
<b>SOIL EROSION CONTROL</b>				
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
<b>Total Soil Erosion Control</b>				<b>\$ 17,025.00</b>
<b>SIDEWALK</b>				
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
<b>Total Sidewalk Improvements</b>				<b>\$ 7,312.50</b>
<b>PAVEMENT</b>				
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	LF	\$25.00	210	\$ 5,250.00
<b>Total Parking Lot Improvements</b>				<b>\$ 17,596.00</b>
<b>LANDSCAPING</b>				
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
<b>Total Parking Lot Improvements</b>				<b>\$89,666.00</b>
<b>TOTAL IMPROVEMENT COSTS</b>				<b>\$ 322,241.00</b>
<b>ROGINA ENGINEERS &amp; SURVEYORS, L.L.C.</b>			<b>JOLIET, ILLINOIS</b>	