

CEMCON, Ltd.
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

PROJECT: Ashwood Heights Unit 2

JOB NO.: 904.408

DATE: March 10, 2022
 REVISED: March 25, 2022
 REVISED: August 19, 2022
 REVISED: November 4, 2022

NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
I. <u>SWPP PLAN IMPLEMENTATION</u>					
1	Stabilized Construction Entrance w/ Maintenance	1	EA.	\$ 800.00	\$ 800.00
2	Silt Fence w/ Maintenance	2,045	L.F.	3.00	6,135.00
3	Inlet or MH Filter Inserts	13	EA.	250.00	3,250.00
4	Temporary Concrete Washout Station	1	EA.	1,500.00	1,500.00
5	Hydroseed & Mulch Berms	2,200	S.Y.	1.80	3,960.00
Sub-Total SWPP Plan Implementation					\$ 15,645.00
II. <u>EARTHWORK & GRADING IMPROVEMENTS</u>					
1	Earth Excavation - Topsoil (Stockpile)	750	C.Y	\$ 12.00	\$ 9,000.00
2	Earthwork Excavation - Clay (to Containment Berms)	1,860	C.Y	10.00	18,600.00
3	Topsoil Placement Berms (from Stockpile)	450	C.Y	14.00	6,300.00
Sub-Total Earthwork & Grading Improvements					\$ 33,900.00
III. <u>DEMOLITION</u>					
1	Sawcut & Remove P.C.C. Sidewalk	725	S.F.	\$ 3.00	\$ 2,175.00
2	Sawcut & Remove Curb & Gutter	88	L.F.	4.00	352.00
Subtotal Demolition					\$ 2,527.00
IV. <u>SANITARY SEWER MAIN & SERVICE IMPROVEMENTS</u>					
1	Sanitary MH 4' Dia. TyA w/ Ty1 FR & SS Lid (Intercept Existing)	1	EA.	\$ 4,800.00	4,800.00
2	Sanitary MH 4' Dia. TyA w/ Ty1 FR & SS Lid	1	EA.	3,600.00	3,600.00
3	Sanitary Sewer Main 8" SDR 26	249	L.F.	34.00	\$ 8,466.00
4	Sanitary Sewer Service, 6" SDR 26	305	L.F.	28.00	8,540.00
5	6" x 8" Saddle Tee Connection w/ Riser	3	EA.	800.00	\$2,400.00
6	Trench Backfill, CA-6*	450	C.Y.	32.00	14,400.00
* Trench Spoil to Berms					
Sub-Total Sanitary Sewer Main & Service Improvements					\$ 42,206.00

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V. WATERMAIN & WATER SERVICE IMPROVEMENTS					
1	8" Watermain, DIWM CL 52 w/ Polyethylene Encasement	500	L.F.	\$ 54.00	\$ 27,000.00
2	6" Watermain, DIWM CL 52 w/ Polyethylene Encasement	32	L.F.	46.00	1,472.00
3	12" x 8" Tapping Valve & Vault (Pressure Connection), 5' Dia. w/ STD FR & Closed Lid	2	EA.	6,800.00	13,600.00
4	Auger Section w/ Casing	36	L.F.	110.00	3,960.00
5	1.5" Copper Type K Water Service	407	L.F.	22.00	8,954.00
6	Directional Bore for Water Services	165	L.F.	60.00	9,900.00
7	Trench Backfill, CA-6*	240	C.Y.	32.00	7,680.00
8	Parkway Restoration (Nannyberry)	56	S.Y.	20.00	1,120.00
	* Trench Spoil to Berms				
Sub-Total Watermain & Service Improvements					\$ 73,686.00
VI. STORM SEWER & DRAINAGE IMPROVEMENTS					
1	Storm Sewer, RCP Ty2 12"	622	L.F.	\$ 28.00	\$ 17,416.00
2	Storm Sewer, RCP Ty2 15"	158	L.F.	34.00	5,372.00
3	Storm Sewer, RCP Ty2 18"	165	L.F.	40.00	6,600.00
4	Storm MH TyA 4' Dia. w/ Ty1 FR & O.L.	4	EA.	3,000.00	12,000.00
5	Storm MH TyA 5' Dia. w/ Ty1 FR & O.L.	1	EA.	3,800.00	3,800.00
6	Inlet TyA 2' Dia. w/ Ty1 FR & O.L.	3	EA.	2,100.00	6,300.00
7	Inlet TyB 3' Dia. w/ Ty1 FR & O.L.	1	EA.	2,400.00	2,400.00
8	Inlet TyA 2' Dia. w/ R-3501P FR. & GR.	2	EA.	2,300.00	4,600.00
9	Inlet TyB 3' Dia. w/ R-3501P FR. & GR.	1	EA.	2,500.00	2,500.00
10	Catch Basin, Ty. A 4' Dia. w/ R-3501P FR. & GR.	1	EA.	2,800.00	2,800.00
11	Connect to Existing 18" Stub	1	EA.	400.00	400.00
12	Trench Backfill, CA-6*	40	C.Y.	32.00	1,280.00
13	6" PVC Sump Line	90	L.F.	18.00	1,620.00
	* Trench Spoil to Berms				
Subtotal Storm Sewer & Drainage Improvements					\$ 67,088.00
VII. PAVEMENT & SIDEWALK IMPROVEMENTS					
1	Fine Grading of Sub-Grade	1,365	S.Y.	\$ 2.00	\$ 2,730.00
2	Curb & Gutter Depressed	88	L.F.	30.00	2,640.00
3	Curb & Gutter Type M3.12	698	L.F.	30.00	20,940.00
4	Agg. Base Course Type B, 4"	131	S.Y.	18.00	2,358.00
5	Agg. Base Course Type B, 12"	1,098	S.Y.	18.00	19,764.00
6	Prime Coat	330	GAL	2.00	660.00

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NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
7	HMA Binder Course (2.5")	160	TONS	90.00	14,400.00
8	HMA Binder Course (1.5")	95	TONS	100.00	9,500.00
9	P.C.C. Sidewalk Replacement	725	S.F.	8.00	5,800.00
10	P.C.C. Sidewalk 103rd Street w/ 4" Sub-Base CA-6	520	S.F.	8.00	4,160.00
11	Detectable Warning Strip	2	EA.	400.00	800.00
12	Multi-Use Trail 248th Street	6,170	S.F.	6.00	37,020.00
13	Traffic Control & Protection	1	L.S.	850.00	850.00
Subtotal Pavement & Sidewalk Improvements					\$ 121,622.00

VIII. STREET LIGHTING IMPROVEMENTS

1	Davit Arm Street Light w/ Pole 23 MH	1	EA.	\$ 16,000.00	\$ 16,000.00
2	Sch 40 HDPE Conduit w/ Conductors (Connect to Existing Circuit)	235	L.F.	6.00	1,410.00
Subtotal Street Lighting Improvements					\$ 17,410.00

VI. LANDSCAPING IMPROVEMENTS

by Schoppe Design Associates, Inc.

1	Masonry Pillars	4	EA.	\$ 4,500.00	\$ 18,000.00
2	Fencing	620	L.F.	43.92	27,230.40

Shrubs

3	Shrub - North Pole Arborvitae	20	EA.	200.00	4,000.00
4	Shrub - Incrediball Smooth Hydrangea	12	EA.	72.00	864.00
5	Shrub - Feather Reed Grass	106	EA.	20.00	2,120.00

Turf Seed, Mulch & Miscellaneous

6	Bluegrass Seed & blanket	2,464	SY.	3.50	8,624.00
7	Mulch	33	CY.	60.00	1,980.00

Subtotal Landscaping Improvements

\$ 62,818.40

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NO.	ITEM	APPROX. QUANTITY UNIT	UNIT PRICE	AMOUNT
<u>SUMMARY</u>				
I.	SWPP PLAN IMPLEMENTATION		\$	15,645.00
II.	EARTHWORK & GRADING IMPROVEMENTS		\$	33,900.00
III.	DEMOLITION		\$	2,527.00
IV.	SANITARY SEWER MAIN & SERVICE IMPROVEMENTS		\$	42,206.00
V.	WATERMAIN & WATER SERVICE IMPROVEMENTS		\$	73,686.00
VI.	STORM SEWER & DRAINAGE IMPROVEMENTS		\$	67,088.00
VII.	PAVEMENT & SIDEWALK IMPROVEMENTS		\$	121,622.00
VIII.	STREET LIGHTING IMPROVEMENTS		\$	17,410.00
VI.	LANDSCAPING IMPROVEMENTS		\$	62,818.40
TOTAL IMPROVEMENT				\$ 436,902.40

PROFESSIONAL ENGINEER'S CERTIFICATION

STATE OF ILLINOIS)
 COUNTY OF DUPAGE)

I, RANDALL W. BUS, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THIS TECHNICAL SUBMISSION WAS PREPARED ON BEHALF OF THE ROMAN CATHOLIC DIOCESE OF JOLIET TRUST AND SILVERTHORNE DEVELOPMENT COMPANY BY CEMCON, LTD. UNDER MY PERSONAL DIRECTION.

DATED THIS

74th DAY OF *November*



ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-003233F
 MY LICENSE EXPIRES ON NOVEMBER 30, 2023

PROFESSIONAL DESIGN FIRM LICENSE NO. 184-002937, EXPIRES APRIL 30, 2023

NOTE: UNLESS THIS DOCUMENT BEARS THE ORIGINAL SIGNATURE AND IMPRESSED SEAL OF THE DESIGN PROFESSIONAL ENGINEER, IT IS NOT A VALID TECHNICAL SUBMISSION.