



LSR7 BAILEY ROAD MIDDLE SCHOOL
Site and Utility Construction
 ENGINEER'S ESTIMATE OF PROBABLE COST
 PREPARED BY OLSSON
 PL2020259 NOVEMBER 16, 2020



Project #: 020-0103

DESCRIPTION	Quantity	Unit	Unit Cost	Subtotal
SITE WORK				
EXCAVATION (DETENTION POND)	2522	SY	\$6	\$ 15,132
EMBANKMENT (DETENTION POND)	1252	SY	\$11	\$ 13,772
FINISH GRADING	32385	SY	\$2	\$ 64,770
RIPRAP	186	CY	\$65	\$ 12,090
EROSION CONTROL BLANKET	2511	SY	\$21	\$ 52,731
PERMANENT EROSION CONTROL MAT	237	SY	\$35	\$ 8,295
SEGMENTAL RETAINING WALL	9403	SF (FACE)	\$14	\$ 131,642
COMMERCIAL ENTRANCE	3	EA	\$8,000	\$ 24,000
CAST IN PLACE RETAINING WALL	2020	SF (FACE)	\$15	\$ 30,300
EROSION CONTROL	1	LS	\$57,000	\$ 57,000
PAVEMENT				
HEAVY DUTY CONCRETE PAVEMENT	11089	SY	\$110	\$ 1,219,790
LIGHT DUTY ASPHALT PAVEMENT	924	SY	\$90	\$ 83,160
HEAVY DUTY ASPHALT PAVEMENT	23348	SY	\$98	\$ 2,288,104
CURB AND GUTTER	10576	LF	\$24	\$ 253,824
BASE ROCK	6070	CY	\$45	\$ 273,150
SUBGRADE	37129	SF	\$2	\$ 74,258
SIDEWALK (PRIVATE)	7508	SY	\$95	\$ 713,260
SIDEWALK (PUBLIC)	465	SY	\$95	\$ 44,175
WATER UTILITIES				
3" WATER LINE	1037	LF	\$50	\$ 51,850
4" WATER LINE	1515	LF	\$60	\$ 90,900
6" WATER LINE	4436	LF	\$80	\$ 354,880
TEES AND BENDS	23	EA	\$150	\$ 3,450
THRUST BLOCKS	42	EA	\$175	\$ 7,350
VALVES	4	EA	\$450	\$ 1,800
2" WATER METER AND PITS	2	EA	\$3,000	\$ 6,000
BACKFLOW PREVENTORS INCLUDING VAULTS	2	EA	\$12,000	\$ 24,000
3" WATER METER VAULT	1	EA	\$18,000	\$ 18,000
HYDRANT ASSEMBLY	7	EA	\$2,100	\$ 14,700
SANITARY UTILITIES				
4" PVC PIPE (SERVICE)	320	LF	\$50	\$ 16,000
6" PVC PIPE	3078	LF	\$55	\$ 169,290
8" PVC PIPE	118	LF	\$60	\$ 7,080
4' DIA. MANHOLE	9	EA	\$3,500	\$ 31,500
WYES	3	EA	\$250	\$ 750
CLEANOUT	6	EA	\$700	\$ 4,200
CONNECTION TO BLDG	4	EA	\$600	\$ 2,400
COMPACTED FILL	142	EA	\$12	\$ 1,705
STORM WATER UTILITIES				
8" PVC PIPE	245	LF	\$60	\$ 14,700
10" PVC PIPE	302	LF	\$62	\$ 18,724
12" PVC PIPE	265	LF	\$65	\$ 17,225
15" HDPE PIPE	1877	LF	\$70	\$ 131,390
18" HDPE PIPE	632	LF	\$75	\$ 47,400
24" HDPE PIPE	1320	LF	\$85	\$ 112,200
30" HDPE PIPE	1295	LF	\$97	\$ 125,615
36" HDPE PIPE	593	LF	\$106	\$ 62,858
42" HDPE PIPE	347	LF	\$112	\$ 38,864
48" HDPE PIPE	880	LF	\$120	\$ 105,600

CURB INLET	21	EA	\$4,800	\$	100,800
GRATE INLET	13	EA	\$4,200	\$	54,600
JUNCTION BOX	8	EA	\$3,500	\$	28,000
MANHOLE	3	EA	\$3,000	\$	9,000
END SECTION	12	EA	\$1,200	\$	14,400
NYLOPLAST STRUCTURE	6	EA	\$2,500	\$	15,000
EDD-1 CONTROL STRUCTURE	1	EA	\$7,500	\$	7,500
EDD-2 CONTROL STRUCTURE	1	EA	\$7,500	\$	7,500
EDD-3 CONTROL STRUCTURE	1	EA	\$14,000	\$	14,000
COMPACTED FILL	309	SY	\$12	\$	3,703

TOTAL PROBABLE COST \$ 6,989,984

