

Project Number: 23.0760.01

ENGINEER'S OPINION OF PROBABLE COST OPTION 2

	TE DEMOLITION	QUANTITY	UNITS	UNIT COST	TOTAL CO
	AWCUTS	60.0	L.F.	\$3.00	\$180.00
	JLL DEPTH ASPHALT REMOVAL	2,200.0	S.Y.	\$5.00	\$11,000.00
	JLL DEPTH CONCRETE REMOVAL	73.0	S.Y.	\$15.00	\$1,095.00
	REE REMOVAL (< 12" DIA.)	28.0	EACH	\$250.00	7,000.00
	REE REMOVAL (12"-18" DIA.)	17.0	EACH	\$500.00	\$8,500.00
TF	REE REMOVAL (> 18" DIA.)	20.0	EACH	\$750.00	\$15,000.00
CC	ONCRETE RETAINING WALL REMOVAL	160.0	L.F.	\$75.00	\$12,000.00
FE	ENCE REMOVAL	620.0	L.F.	\$2.00	\$1,240.00
U	TILITY POLE REMOVAL	8.0	EACH	\$1,000.00	\$8,000.00
SÆ	ANITARY LINE REMOVAL	140.0	L.F.	\$20.00	\$2,800.00
SA	ANITARY CLEANOUT REMOVAL	2.0	EACH	\$500.00	\$1,000.00
ST	TORM SEWER REMOVAL	610.0	L.F.	\$5.00	\$3,050.00
	TORM WALL REMOVAL	1.0	EACH	\$1,000.00	\$1,000.00
	ATER SERVICE AND MAIN REMOVAL	220.0	L.F.	\$25.00	\$5,500.00
	ATER STRUCTURE REMOVAL	8.0	EACH	\$300.00	\$2,400.00
	TOTAL SITE DEMOLITION COST:				\$79,765.00
	TE DEVELOPMENT	QUANTITY	UNITS	UNIT COST	TOTAL CO
	ONCRETE RETAINING WALL	930.0	S.F.	\$35.00	\$32,550.00
	GHT POLE (EVERY 200 LF)	4.0	EACH	\$3,000.00	\$12,000.0
	NDERGROUND ELECTRIC (CENTERLINE OF ROAD + CONNECTION)	1,300.0	L.F.	\$10.00	\$13,000.0
TF	RAFFIC CONTROL	1.0	LUMP	\$2,500.00	\$2,500.00
	TOTAL SITE DEVELOPMENT COST:				\$60,050.0
	TOTAL SITE DEVELOPMENT COST.				φου,υσυ.υ
	AVEMENT IMPROVEMENTS	QUANTITY	UNITS	UNIT COST	TOTAL CO
	SPHALT PAVEMENT (SURFACE COURSE, 1.50")	120.0	TON	\$100.00	\$12,000.0
	SPHALT PAVEMENT (BINDER COURSE, 2.00")	160.0	TON	\$100.00	\$16,000.0
	ACK COAT	140.0	GAL	\$5.00	\$700.00
	RAVEL SURFACE (6" DEPTH) (DRIVEWAYS)	180.0	TON	\$15.00	\$2,700.00
P.A	AVEMENT STRIPING (< 1 ACRE)	1.0	LUMP	\$1,000.00	
P.A			LUMP TON	\$1,000.00 \$15.00	
P/	AVEMENT STRIPING (< 1 ACRE)	1.0 750.0	TON	\$15.00	\$11,250.0
P <i>A</i> AC —	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT)	1.0 750.0	TON	\$15.00	\$11,250.0 \$43,650.0
PA AC — PE - ST	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER	1.0 750.0	TON	\$15.00	\$11,250.0 \$43,650.0 TOTAL CO
PA AC — PE - S1	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST:	1.0 750.0	TON	\$15.00 UNIT COST	\$11,250.0 \$43,650.0 TOTAL CO \$1,300.00
PA AC	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION	1.0 750.0 QUANTITY 1.0	TON UNITS EACH	\$15.00 UNIT COST \$1,300.00	\$11,250.0 \$43,650.0 TOTAL CO \$1,300.00 \$2,000.00
PE - S1 12 18 24	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION 3" FLARED END SECTION 4" FLARED END SECTION	1.0 750.0 	UNITS EACH EACH EACH	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00	\$11,250.0 \$43,650.0 TOTAL CO \$1,300.00 \$2,000.00 \$5,000.00
PE - ST 12 18 24 12	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION 3" FLARED END SECTION	1.0 750.0 	UNITS EACH EACH EACH L.F.	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$25.00	\$11,250.0 \$43,650.0 TOTAL CO \$1,300.00 \$2,000.00 \$5,000.00 \$2,750.00
PE - ST 12 18 24 12 18	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION 3" FLARED END SECTION 4" FLARED END SECTION 2" HDPE PIPE 3" HDPE PIPE	1.0 750.0 QUANTITY 1.0 1.0 2.0 110.0 30.0	UNITS EACH EACH L.F. L.F.	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$25.00 \$35.00	\$11,250.0 \$43,650.0 TOTAL CO \$1,300.00 \$2,000.00 \$5,000.00 \$2,750.00 \$1,050.00
PE - ST 12 18 24 12 18 24	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION 8" FLARED END SECTION 1" FLARED END SECTION 2" HDPE PIPE 8" HDPE PIPE 1" HDPE PIPE	1.0 750.0 	UNITS EACH EACH EACH L.F. L.F. L.F.	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$25.00 \$35.00 \$40.00	\$11,250.00 \$43,650.00 \$1,300.00 \$2,000.00 \$5,000.00 \$2,750.00 \$1,050.00 \$8,000.00
PA AC	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION 3" FLARED END SECTION 4" FLARED END SECTION 2" HDPE PIPE 3" HDPE PIPE	1.0 750.0 QUANTITY 1.0 1.0 2.0 110.0 30.0	UNITS EACH EACH L.F. L.F.	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$25.00 \$35.00	\$11,250.00 \$43,650.00 \$1,300.00 \$2,000.00 \$5,000.00 \$2,750.00 \$1,050.00 \$8,000.00 \$16,000.00
PE - ST 12 18 24 12 18 24 48	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION 8" FLARED END SECTION 4" FLARED END SECTION 2" HDPE PIPE 8" HDPE PIPE 4" HDPE PIPE 5" MANHOLE WITH OPEN GRATE (5-7 FT DEPTH)	1.0 750.0 	UNITS EACH EACH L.F. L.F. L.F. EACH EACH	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$25.00 \$35.00 \$40.00 \$4,000.00 \$4,000.00	\$1,000.00 \$11,250.00 \$43,650.00 \$1,300.00 \$2,000.00 \$5,000.00 \$1,050.00 \$1,050.00 \$16,000.00 \$4,000.00
PE - ST 12 18 24 12 18 24 48 60	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION 3" FLARED END SECTION 4" FLARED END SECTION 2" HDPE PIPE 3" HDPE PIPE 4" HDPE PIPE 8" MANHOLE WITH OPEN GRATE (5-7 FT DEPTH) 0" OUTLET STRUCTURE (5-7 FT DEPTH) TOTAL STORM SEWER COST:	1.0 750.0 	UNITS EACH EACH L.F. L.F. L.F. EACH EACH	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$25.00 \$35.00 \$40.00 \$4,000.00	\$11,250.00 \$43,650.00 TOTAL CO \$1,300.00 \$2,000.00 \$5,000.00 \$1,050.00 \$8,000.00 \$16,000.00 \$44,000.00
PE - SI 12 18 24 12 18 24 48 60	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION 3" FLARED END SECTION 4" FLARED END SECTION 2" HDPE PIPE 3" HDPE PIPE 4" HDPE PIPE 4" HDPE PIPE 5" MANHOLE WITH OPEN GRATE (5-7 FT DEPTH) 0" OUTLET STRUCTURE (5-7 FT DEPTH) TOTAL STORM SEWER COST: ANITARY SEWER	1.0 750.0 	UNITS EACH EACH L.F. L.F. L.F. EACH EACH	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$25.00 \$35.00 \$40.00 \$4,000.00 \$4,000.00	\$11,250.00 \$43,650.00 TOTAL CO \$1,300.00 \$2,000.00 \$5,000.00 \$1,050.00 \$1,050.00 \$8,000.00 \$4,000.00 \$440,100.00
PE - SI 12 18 24 12 18 24 48 60 —	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER "FLARED END SECTION B" FLARED END SECTION L" FLARED END SECTION L" FLARED END SECTION L" HDPE PIPE L" HDPE PIPE L" HDPE PIPE L" HDPE PIPE L" HOPE PIPE L" HOPE STRUCTURE (5-7 FT DEPTH) TOTAL STORM SEWER COST: ANITARY SEWER PVC PIPE (SERVICE CONNECTION) (INCLUDING ALL FITTINGS)	1.0 750.0 	UNITS EACH EACH L.F. L.F. EACH EACH UNITS	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$25.00 \$35.00 \$40.00 \$4,000.00 \$4,000.00 UNIT COST \$50.00	\$11,250.00 \$43,650.00 TOTAL CO \$1,300.00 \$2,000.00 \$5,000.00 \$1,050.00 \$1,050.00 \$4,000.00 \$44,000.00 TOTAL CO \$38,000.00
PE - SI 12 18 24 12 18 24 48 60 —	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER 2" FLARED END SECTION 3" FLARED END SECTION 4" FLARED END SECTION 2" HDPE PIPE 3" HDPE PIPE 4" HDPE PIPE 4" HDPE PIPE 5" MANHOLE WITH OPEN GRATE (5-7 FT DEPTH) TOTAL STORM SEWER COST: ANITARY SEWER PVC PIPE (SERVICE CONNECTION) (INCLUDING ALL FITTINGS) PVC PIPE (MAIN)	1.0 750.0 	UNITS EACH EACH L.F. L.F. EACH EACH UNITS	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$25.00 \$35.00 \$40.00 \$4,000.00 \$4,000.00 UNIT COST \$50.00 \$40.00	\$11,250.00 \$43,650.00 \$1,300.00 \$2,000.00 \$5,000.00 \$1,050.00 \$1,050.00 \$4,000.00 \$40,100.00 \$40,100.00 \$24,800.00 \$24,800.00
PE - SI 12 18 24 12 18 24 48 60 	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER "FLARED END SECTION "FLAR	1.0 750.0 	UNITS EACH EACH L.F. L.F. EACH EACH UNITS L.F. L.F. EACH	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$35.00 \$40.00 \$4,000.00 \$4,000.00 UNIT COST \$50.00 \$40.00 \$5,000.00	\$11,250.00 \$43,650.00 TOTAL CO \$1,300.00 \$2,000.00 \$5,000.00 \$1,050.00 \$1,050.00 \$4,000.00 \$4,000.00 \$40,100.00 TOTAL CO \$38,000.00 \$24,800.00 \$24,800.00 \$20,000.00
PE - SI 12 18 24 12 18 24 48 60 — PE - SI 4" 8" 48 4"	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER "FLARED END SECTION "FLAR	1.0 750.0 QUANTITY 1.0 1.0 2.0 110.0 30.0 200.0 4.0 1.0 QUANTITY 760.0 620.0 4.0 22.0	UNITS EACH EACH L.F. L.F. EACH EACH EACH EACH	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$35.00 \$40.00 \$4,000.00 \$4,000.00 UNIT COST \$50.00 \$40.00 \$5,000.00 \$5,000.00	\$11,250.00 \$43,650.00 TOTAL CO \$1,300.00 \$2,000.00 \$5,000.00 \$1,050.00 \$1,050.00 \$4,000.00 \$4,000.00 \$40,100.00 TOTAL CO \$38,000.00 \$24,800.00 \$24,800.00 \$20,000.00 \$11,000.00
PA AC ——————————————————————————————————	AVEMENT STRIPING (< 1 ACRE) GGREGATE BASE (10" DEPTH) (ASPHALT PAVEMENT) TOTAL PAVEMENT IMPROVEMENTS COST: TORM SEWER "FLARED END SECTION "FLAR	1.0 750.0 	UNITS EACH EACH L.F. L.F. EACH EACH UNITS L.F. L.F. EACH	\$15.00 UNIT COST \$1,300.00 \$2,000.00 \$2,500.00 \$35.00 \$40.00 \$4,000.00 \$4,000.00 UNIT COST \$50.00 \$40.00 \$5,000.00	\$11,250.0 \$43,650.0 TOTAL CC \$1,300.0 \$2,000.0 \$5,000.0 \$1,050.0 \$8,000.0 \$4,000.0 \$4,000.0 \$40,100.0 \$24,800.0 \$24,800.0 \$20,000.0

kapurinc.com



ENGINEER'S OPINION OF PROBABLE COST OPTION 2

SCOPE - WATER SERVICE	QUANTITY	UNITS	UNIT COST	TOTAL COST
1.5" SERVICE LINE	750.0	L.F.	\$25.00	\$18,750.00
8" D.I.P. PIPE	610.0	L.F.	\$75.00	\$45,750.00
HYDRANT	2.0	EACH	\$4,500.00	\$9,000.00
TEE	1.0	EACH	\$1,500.00	\$1,500.00
45DEG BEND	2.0	EACH	\$250.00	\$500.00
SHUTOFF VALVE BOX (AT EACH PROPERTY)	22.0	EACH	\$1,500.00	\$33,000.00
SERVICE CONNECTION	1.0	EACH	\$1,500.00	\$1,500.00
TOTAL WATER SERVICE COST:				\$110,000.00
SCOPE - EARTHWORK	QUANTITY	UNITS	UNIT COST	TOTAL COST
GENERAL GRADING (NO HAUL ON/OFF SITE, ASSUME SITE BALANCES)	5,400.0	C.Y.	\$5.00	\$27,000.00
TOTAL EARTHWORK COST:				\$27,000.00
SCOPE - EROSION CONTROL / RESTORATION	QUANTITY	UNITS	UNIT COST	TOTAL COST
TEMPORARY CONSTRUCTION ENTRANCE	1.0	EACH	\$2,500.00	\$2,500.00
INLET PROTECTION	4.0	EACH	\$150.00	\$600.00
EROSION CONTROL BLANKET/RESTORATION	5,000.0	S.Y.	\$8.00	\$40,000.00
SILT FENCE	600.0	L.F.	\$4.00	\$2,400.00
LANDSCAPE RESTORATION	1.0	LUMP	\$5,000.00	\$5,000.00
TOTAL EROSION CONTROL / RESTORATION COST:				\$50,500.00
SUBTOTAL =				\$505,865.00
CONTINGENCY @	10 %			\$50,587.00
TOTAL SITE IMPROVEMENTS COST =				\$556,452.00

^{*} THIS COST ESTIMATE DOES NOT INCLUDE THE FOLLOWING:
ANY STRUCTURE CONSTRUCTION/DEMOLITION NOT EXPLICITLY STATED,
ANY BUILDING FOUNDATIONS OR FOUNDATION PADS (TO BE DESIGNED
BY ARCHITECT), ANY DRY UTILITIES NOT EXPLICITLY STATED, IRRIGATION
INSTALLATION (UNLESS SPECIFICALLY INCLUDED), WINTER CONDITIONS
(WORKING PAST THANKSGIVING) MOBILE HOME FOUNDATIONS,
FOOTINGS, ETC. AND ANY OTHER ITEMS NOT EXPLICITLY INCLUDED.
THIS ESTIMATE WAS PREPARED WITH THE ASSUMPTION THAT HCWD1
SERVICES IN THE AREA HAVE CAPACITY FOR FUTURE DESIGN LOADS
ASSOCIATED WITH THIS PROJECT.

kapurinc.com