

ENGINEERING COST ESTIMATE

ENGINEERING SOLUTIONS50 SE 30TH STREET
LEE'S SUMMIT, MODATE:
4/5/2021

PROJECT NAME:

The Townhomes of Chapel Ridge 2nd Plat - Public Water

APPLICATION # PL2020100

SITE LOCATION:

NE Longhill Rd

Lee's Summit, MO

ITEM AND DESCRIPTION	UNIT	ESTIMATED QUANTITY	LABOR AND MATERIAL COST PER UNIT	COST PER ITEM	% Completed	Cost to Complete
WATER						
FIRE HYDRANT ASSEMBLY	UNIT	3.00	\$ 3,800.00	\$ 11,400.00	100	\$ -
TEMP. TO PERM. FIRE HYDRANT CONVERSION	UNIT	2.00	\$ 1,200.00	\$ 2,400.00	100	\$ -
8" WATER LINE	UNIT	1,477.39	\$ 27.49	\$ 40,613.45	100	\$ -
CONNECT TO EXISTING	UNIT	3.00	\$ 475.00	\$ 1,425.00	100	\$ -
8" GATE VALVE/ VALVE BOX & COVER	UNIT	6.00	\$ 800.00	\$ 4,800.00	100	\$ -
TEES AND BENDS	UNIT	10.00	\$ 450.00	\$ 4,500.00	100	\$ -
THRUST BLOCK	UNIT	13.00	\$ 400.00	\$ 5,200.00	100	\$ -
ASBUILTS	UNIT	1.00	\$ 2,500.00	\$ 2,500.00	0	\$ 2,500.00
TOTAL COST = \$				70,338.45	0	\$ 2,500.00



ENGINEERING COST ESTIMATE

ENGINEERING SOLUTIONS50 SE 30TH STREET
LEE'S SUMMIT, MODATE:
4/5/2021

PROJECT NAME:

The Townhomes of Chapel Ridge 2nd Plat - Public Sanitary

APPLICATION # PL2020101

SITE LOCATION:

NE Longhill Rd

Lee's Summit, MO

ITEM AND DESCRIPTION	UNIT	ESTIMATED QUANTITY	LABOR AND MATERIAL COST PER UNIT	COST PER ITEM	% Completed	Cost to Complete
SANITARY						
4" PVC SDR 26 Service Line	LF	1,344.00	\$ 23.60	\$ 31,718.40		\$ -
8" PVC SDR 26	LF	1,385.02	\$ 32.00	\$ 44,320.64	100	\$ -
4' DIA Manhole	EA	7.00	\$ 4,000.00	\$ 28,000.00	100	\$ -
TEES, BENDS, WYES	LS	35.00	\$ 500.00	\$ 17,500.00	100	\$ -
CONNECTION TO EXISTING SANITARY SEWER	LS	3.00	\$ 500.00	\$ 1,500.00	100	\$ -
TRACER WIRE AND EQUIPMENT	L.F.	1,385.02	\$ 1.00	\$ 1,385.02	100	\$ -
ASBUILTS	UNIT	1.00	\$ 2,500.00	\$ 2,500.00	0	\$ 2,500.00
TOTAL COST = \$				124,424.06	0	\$ 2,500.00



ENGINEERING SOLUTIONS

DATE: 4/5/2021

The Townhomes of Chapel Ridge 2nd Plat - Streets, Storm and MDP

SITE LOCATION:

Lee's Summit, MO



ITEM AND DESCRIPTION		UNIT	ESTIMATED QUANTITY	LABOR AND MATERIAL COST PER UNIT	COST PER ITEM	% Completed	Cost to Complete
ASPHALT PAVING		S.Y.	3,430.98	\$ 25.00	\$ 85,774.50	100	\$ -
CURBING		FT	2,343.62	\$ 14.50	\$ 33,982.49	100	\$ -
5' SIDEWALK		S.F.	12,057.55	\$ 4.75	\$ 57,273.36	100	\$ -
MoDOT Type 5 Base		S.Y.	3,702.68	\$ 7.75	\$ 28,695.77	100	\$ -
GEOGRID		S.Y.	3,702.68	\$ 3.25	\$ 12,033.71	100	\$ -
ADA SIDEWALK RAMP		UNIT	7	\$ 500.00	\$ 3,500.00	100	\$ -
CLEARING, GRADING & GRUBBING		LS	1	\$ 35,000.00	\$ 35,000.00	85	\$ 5,250.00
SILT FENCE		FT	5,724.09	\$ 1.25	\$ 7,155.11	0	\$ 7,155.11
INLET PROTECTION		UNIT	44.00	\$ 80.00	\$ 3,520.00	0	\$ 3,520.00
SEEDING / MULCHING/ FERTILIZING		AC	18.83	\$ 1,200.00	\$ 22,596.00	0	\$ 22,596.00
CONST. ENTRANCE		UNIT	2.00	\$ 1,750.00	\$ 3,500.00	100	\$ -
RIP RAP W/ FABRIC		S.Y.	35.00	\$ 50.00	\$ 1,750.00	100	\$ -
DITCH CHECK		UNIT	3.00	\$ 100.00	\$ 300.00	100	\$ -
STORM							
30" HDPE		FT	76.46	\$ 30.50	\$ 2,332.03	100	\$ -
24" HDPE		FT	54.41	\$ 30.50	\$ 1,659.51	100	\$ -
18" HDPE		FT	299.20	\$ 30.50	\$ 9,125.60	100	\$ -
15" HDPE		FT	1,129.96	\$ 27.70	\$ 31,299.89	100	\$ -
4' x 4' JUNCTION BOX		EA	2.00	\$ 4,400.00	\$ 8,800.00	100	\$ -
18" HDPE END SECTION / TOE WALL		LS	2.00	\$ 1,000.00	\$ 2,000.00	100	\$ -
30" HDPE END SECTION / TOE WALL		LS	2.00	\$ 1,400.00	\$ 2,800.00	100	\$ -
DETENTION OUTLET CONTROL STRUCTURE		EA	1.00	\$ 5,000.00	\$ 5,000.00	100	\$ -
4' x 4' STORM FIELD INLET		EA	6.00	\$ 4,500.00	\$ 27,000.00	100	\$ -
5' x 4' STORM CURB INLET		EA	6.00	\$ 3,800.00	\$ 22,800.00	100	\$ -
ASBUILTS		UNIT	1.00	\$ 2,500.00	\$ 2,500.00	0	\$ 2,500.00
TOTAL COST:					407,897.97		\$ 41,021.11