



EAST RANGE WATER BOARD
Project Name: RAW AND FINISHED TRANSMISSION MAINS
SEH Project No: AUROR 159723
Date: NOVEMBER 4, 2021
Estimator: ELLEN LEMKE
Checked By: DAN HINZMANN
Description: PRELIMINARY OPINION OF COST

SCENIC ACRES AREA PRELIMINARY OPINION OF COST

SITE	UNIT	EST. QUANTITY	UNIT PRICE	AMOUNT
CLEAR AND GRUB	ACRES	0.15	\$ 20,000.00	\$ 3,000.00
DIRECTIONAL DRILLING OBSTRUCTION	EACH	7	\$ 3,500.00	\$ 24,500.00
BORING PIT RESTORATION (TURF AREA)	EACH	6	\$ 400.00	\$ 2,400.00
BORING PIT RESTORATION (ROAD AREA)	EACH	2	\$ 10,200.00	\$ 20,400.00
EXPLORATORY DIG RESTORATION (TURF AREA)	LIN FT	100	\$ 15.00	\$ 1,500.00
EXPLORATORY DIG RESTORATION (ROAD AREA)	LIN FT	200	\$ 150.00	\$ 30,000.00
POTABLE WATER DISTRIBUTION	UNIT	EST. QUANTITY	UNIT PRICE	AMOUNT
12" HDPE WATER MAIN	LIN FT	6700	\$ 80.00	\$ 536,000.00
16" CASING PIPE	LIN FT	250	\$ 140.00	\$ 35,000.00
CONNECT TO EXISTING WATERMAIN	EACH	1	\$ 2,000.00	\$ 2,000.00
CONNECT TO EXISTING WATER SERVICE	EACH	1	\$ 1,500.00	\$ 1,500.00
FINISHED WATER MAIN HYDRANT ASSEMBLY	EACH	7	\$ 7,500.00	\$ 52,500.00
12" GATE VALVE AND BOX	EACH	7	\$ 4,500.00	\$ 31,500.00
SUB TOTAL				\$ 740,300.00
TRAFFIC CONTROL			1%	\$ 7,403.00
MOBILIZATION			15%	\$ 111,045.00
EROSION CONTROL			3%	\$ 22,209.00
MISCELLANEOUS CONSTRUCTION			5%	\$ 37,015.00
CONTINGENCIES			15%	\$ 111,045.00
TOTAL CONSTRUCTION				\$ 1,029,017.00
CIVIL DESIGN, CONSTRUCTION ADMIN, CONSTRUCTION STAKING			20%	\$ 205,803.00
LEGAL, FISCAL, AND ADMINISTRATIVE			5%	\$ 51,451.00
OTHER CONSULTANTS (ENVIRONMENTAL, GEOTECHNICAL, ETC.)			3%	\$ 30,871.00
TOTAL PROJECT				\$ 1,317,142.00

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ASSUMPTIONS:

1. 12" HDPE WATER MAIN TO BE DIRECTIONALLY DRILLED, ASSUMES OBSTRUCTION ONCE EVERY 1000'
2. HYDRANT ASSEMBLY INCLUDES TEE, LEAD, VALVE, AND HYDRANT
3. TURF RESTORATION IS ASSUMED TO INCLUDE 4" OF SALVAGED TOPSOIL AND SEEDING
4. ROADWAY RESTORATION IS ASSUMED TO PER PLAN TYPICAL SECTIONS