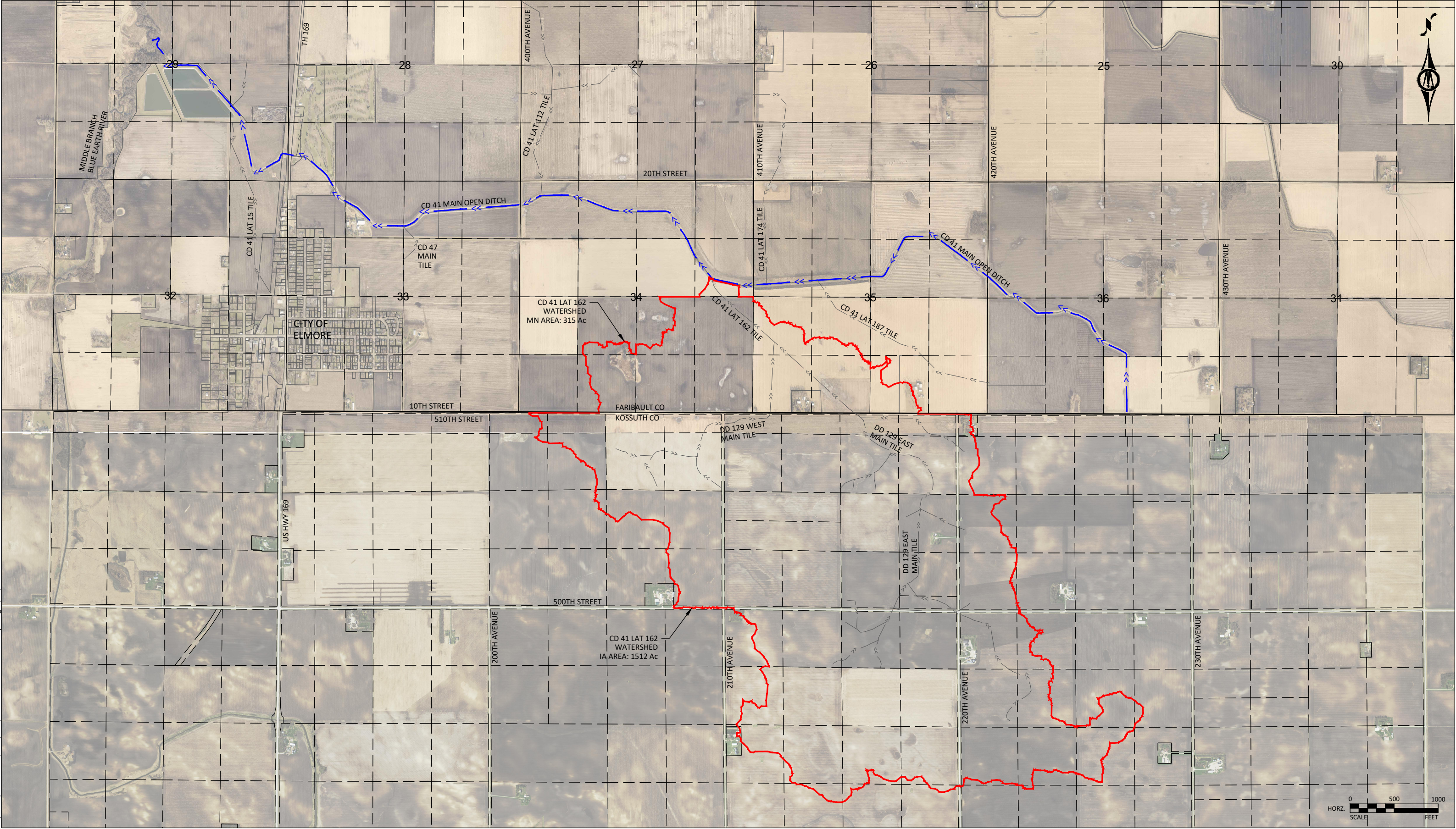
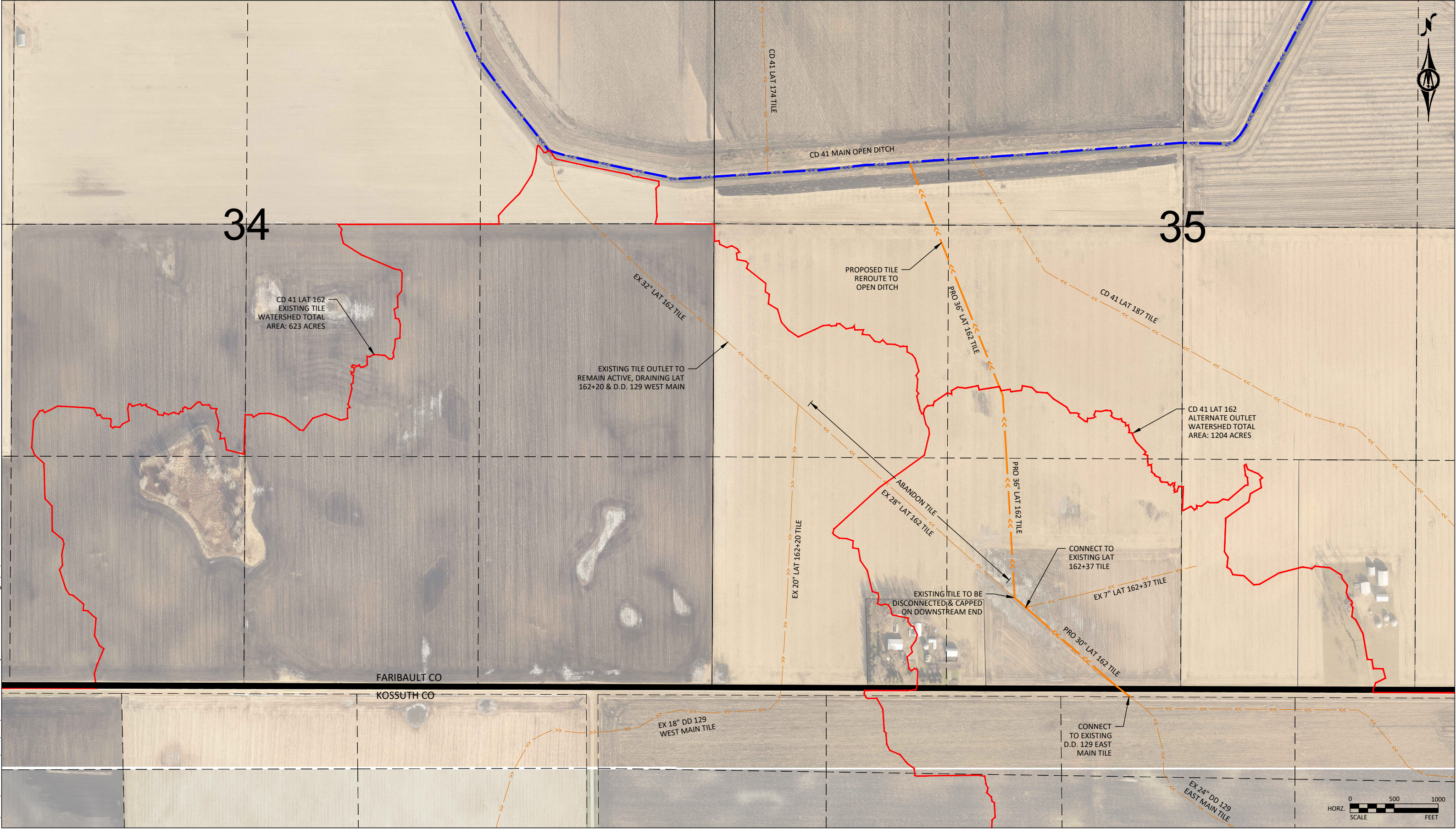






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County: FARIBAULT COUNTY
Ditch No: COUNTY DITCH No. 41 LAT 162
File Name: H:\FACO\051132843\2_Preliminary\A_Calculations\[2023-12-20 132843 Tile Design.xlsx]Ex Tile Eff
Date: 12/20/2023
NRCS Daily Drainage Basis of Design: 3/8" of Runoff per day for Tiles

[illegible]

County: FARIBAULT COUNTY

Ditch No: COUNTY DITCH No. 41 LAT 162

File Name: H:\FACO\051132843\2_Preliminary\A_Calculations\[2023-12-20 132843 Tile Design.xlsx]Pro Tile Eff Alt

Date: 12/20/2023

NRCS Daily Drainage Basis of Design: 3/8" of Runoff per day for Tiles



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[illegible]

ENGINEER'S ESTIMATE

COUNTY DITCH No. 41 LAT 162 TILE REPAIRS

FARIBAULT COUNTY

BMI PROJECT NO: 0S1.132843

H:\FACO\0S1132843\2_Preliminary\A_Calculations\[2023-12-20 132843 Cost Est.xlsx]Engineer's Estimate



Real People. Real Solutions.

Date:

3/18/2024

Item No.	Item	Estimated Quantity	Unit	Unit Price	Total Amount
BASE BID					
1	Mobilization	1	LUMP SUM	\$30,000.00	\$30,000.00
2	Exploratory Excavation	15	HOUR	\$300.00	\$4,500.00
3	Intakes	5	EACH	\$1,500.00	\$7,500.00
4	6" Drain Tile	100	LIN FT	\$20.00	\$2,000.00
5	8" Drain Tile	100	LIN FT	\$24.00	\$2,400.00
6	10" Drain Tile	100	LIN FT	\$28.00	\$2,800.00
7	12" Drain Tile	100	LIN FT	\$32.00	\$3,200.00
8	30" Drain Tile	730	LIN FT	\$60.00	\$43,800.00
9	36" Drain Tile	2650	LIN FT	\$75.00	\$198,750.00
10	Drain Tile Connection	15	EACH	\$1,000.00	\$15,000.00
11	Random Riprap, Class III	30	TON	\$120.00	\$3,600.00
12	Inlet Protection	8	EACH	\$200.00	\$1,600.00
13	Mulch Material, Type 1	12	TON	\$250.00	\$3,000.00
14	Rapid Stabilization Method 4	550	SQ YD	\$6.00	\$3,300.00
15	Stabilized Construction Exit	1	LUMP SUM	\$3,000.00	\$3,000.00
SUBTOTAL:					\$324,450.00
20% CONTINGENCY:					\$64,890.00
TEMPORARY CROP DAMAGES:					\$3,600.00
TOTAL ESTIMATED CONSTRUCTION COST:					\$392,940.00
DESIGN, ADMINISTRATION AND CONSTRUCTION ENGINEERING:					\$70,700.00
TOTAL ESTIMATED PROJECT COST:					\$463,640.00