Estimate of Materials and Cost of Construction

Date: 1/1/2024
Project: Natural Gas Facility - Loess Hill
Project Location: 59722 290th Street, Malvern, Iowa 51551

Summary	Amount
Subtotal	$ -
Profit/Overhead	$ -
Total	$ -

SUBMITTED BY:

Sub Contractor's Company
Street Address
State address
Phone
Email
Website link

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
			DIV-01	GENERAL REQUIREMENTS										$ -
1				Permits, Supervision And Cleanup	1	0%	1	LS		$ -	$ -	$ -	$ -	
			DIV-03	CONCRETE										$ -
				FOOTING										
2	S1			(36"x36"x46"D) Concrete pad footing	5	5%	5	CY	$ -	$ -	$ -	$ -	$ -	
3	S1			(45"x45"x18"D) Concrete pad footing	2	5%	2	CY	$ -	$ -	$ -	$ -	$ -	
4	S1			(45"x45"x46"D) Concrete pad footing	4	5%	4	CY	$ -	$ -	$ -	$ -	$ -	
5	S1			(54"x54"x46"D) Concrete pad footing	17	5%	18	CY	$ -	$ -	$ -	$ -	$ -	
6	S1			(63"x63"x46"D) Concrete pad footing	39	5%	41	CY	$ -	$ -	$ -	$ -	$ -	
7	S1	F13/S3		(12"x3'8"D) Perimeter monolithic footing	72	5%	75	CY	$ -	$ -	$ -	$ -	$ -	
8	S1	F13/S3		(2") Extruded polystyrene insulation @ Perimeter footing	4,850	5%	5,093	SF	$ -	$ -	$ -	$ -	$ -	
				TRENCH DRAIN										
9	S1	F12/S53		(12"W) Trench drain = 106 LF	5	5%	5	CY	$ -	$ -	$ -	$ -	$ -	
				PAD										
10	S1	F16/S3		(5"Wx4"H) Housekeeping trough pad	1	5%	1	CY	$ -	$ -	$ -	$ -	$ -	
11	S1	Detail B/S3		Type B Interior (2' thk.) Equipment concrete pad	62	5%	65	CY	$ -	$ -	$ -	$ -	$ -	
12	S1	Detail D/S3		Type D Interior (2'6" thk.) Equipment concrete pad	24	5%	25	CY	$ -	$ -	$ -	$ -	$ -	
13	S1	Detail B/S3		(6" thk.) Clean gravel @ concrete pad	21	5%	22	CY	$ -	$ -	$ -	$ -	$ -	
				SLAB										
14	S1	Detail A/S3		(6") Concrete slab on grade	13,640	5%	14,322	SF	$ -	$ -	$ -	$ -	$ -	
15	S1	Detail A/S3		(6 MIL) Poly moisture barrier	13,640	5%	14,322	SF	$ -	$ -	$ -	$ -	$ -	
16	S1	Detail A/S3		(6" thk.) Clean gravel	253	5%	266	CY	$ -	$ -	$ -	$ -	$ -	
				REINFORCEMENT										
17	S1	F14/S3		6x6-W2.9xW2.9 Wire mesh	5,730	5%	6,017	LBS	$ -	$ -	$ -	$ -	$ -	
18	S1	S3		#4 Reinforcement	2,185	5%	2,295	LBS	$ -	$ -	$ -	$ -	$ -	
19	S1	S3		#5 Reinforcement	19,830	5%	20,822	LBS	$ -	$ -	$ -	$ -	$ -	
				FORMWORK										
20	LS101			Concrete formwork	30,670	5%	32,204	SF	$ -	$ -	$ -	$ -	$ -	
			DIV-31	EARTHWORK										$ -
				EARTH MOVING										
21	S1			Excavation for concrete foundation @ 20% Fluff factor	421	5%	441.9	CY	$ -	$ -	$ -	$ -	$ -	
22	S1			Backfill for concrete foundation @ 20% Fluff factor	191	5%	200.6	CY	$ -	$ -	$ -	$ -	$ -	
23	S2			Site excavation @ 20% Fluff factor	855	5%	897.3	CY	$ -	$ -	$ -	$ -	$ -	
24	S2			Site backfilling @ 20% Fluff factor	388	5%	407.4	CY	$ -	$ -	$ -	$ -	$ -	
			DIV-32	EXTERIOR IMPROVEMENTS										$ -
				SIDEWALK/ PAVEMENTS										

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
25	LS101			Concrete drive **Note:** No details given, please V.I.F.	210	5%	221	SF	$ -	$ -	$ -	$ -	$ -	
26	LS101	F14/S3		(6" thk.) Concrete pavement	7,785	5%	8,175	SF	$ -	$ -	$ -	$ -	$ -	
27	LS101			Asphalt concrete **Note:** No details given, please V.I.F.	375	5%	394	SF	$ -	$ -	$ -	$ -	$ -	
28	LS101			(6" thk.) Clean gravel	155	5%	163	CY	$ -	$ -	$ -	$ -	$ -	
				CONCRETE PAD										
29	S2	Detail A/S3		Type A (6" thk.) Concrete pad	16	5%	18	CY	$ -	$ -	$ -	$ -	$ -	
30	S2	Detail B/S3		Type B exterior (3'8" thk.) Equipment concrete pad	252	5%	264	CY	$ -	$ -	$ -	$ -	$ -	
31	S2	Detail C/S3		Type C exterior (10" thk.) Equipment concrete pad	50	5%	53	CY	$ -	$ -	$ -	$ -	$ -	
32	S2	Detail C/S3		(12" thk.) Equipment concrete pad footing	85	5%	89	CY	$ -	$ -	$ -	$ -	$ -	
33	S2	Detail C/S3		(6 MIL) Poly moisture barrier	1,785	5%	1,875	SF	$ -	$ -	$ -	$ -	$ -	
34	S2	Detail A/S3		(2") Extruded polystyrene insulation @ Perimeter footing	1,785	5%	1,875	SF	$ -	$ -	$ -	$ -	$ -	
				CONCRETE PIER										
35	S2	Detail E/S3		(2' Dia.x7'D) Equipment concrete pier	46	5%	48	CY	$ -	$ -	$ -	$ -	$ -	
36	S2	Detail E/S3		(3'x3'x1'D) Equipment concrete pier footing	19	5%	20	CY	$ -	$ -	$ -	$ -	$ -	
				REINFORCEMENT										
37	LS101	F14/S3		6x6-W2.9xW2.9 Wire mesh	3,310	5%	3,476	LBS	$ -	$ -	$ -	$ -	$ -	
38	S2	S3		#5 Reinforcement	21,285	5%	22,349	LBS	$ -	$ -	$ -	$ -	$ -	
				FORMWORK										
39	LS101			Concrete formwork	25,920	5%	27,216	SF	$ -	$ -	$ -	$ -	$ -	
SUB TOTAL									**Total Lab. Cost =**	**$ -**	**Total Mat. Cost =**	**$ -**	**$ -**	**$ -**
INSURANCE									**0%**				**$ -**	**$ -**
OVERHEAD AND PROFIT									**25%**				**$ -**	**$ -**
TOTAL BASE BID													**$ -**	**$ -**

General Notes: The prices used while preparing the estimate were taken from RSMeans online i.e. the standard pricing & the company is not responsible for any kind of variations in the prices. So, it is preferred to review the prices.

Note

1 The drawings are scaled as per the mentioned scales on the plans.
2 The prices used are standard prices, unless otherwise noted.

Exclusions

1 Union Wages

Legend

F.C = Waste or diff. factor
sf = square feet
lf = linear feet
ea = each
cy = cubic yard
sy = square yard
loc = location
ls = lump sum

				ALTERNATE										$ -
				FOOTING										
40	S1	F14A/S3		(36"x36"x46"D) Concrete pad footing	5	5%	5	CY	$ -	$ -	$ -	$ -	$ -	
41	S1	F14A/S3		(45"x45"x18"D) Concrete pad footing	2	5%	2	CY	$ -	$ -	$ -	$ -	$ -	
42	S1	F14A/S3		(45"x45"x46"D) Concrete pad footing	4	5%	4	CY	$ -	$ -	$ -	$ -	$ -	
43	S1	F14A/S3		(54"x54"x46"D) Concrete pad footing	17	5%	18	CY	$ -	$ -	$ -	$ -	$ -	
44	S1	F14A/S3		(63"x63"x46"D) Concrete pad footing	39	5%	41	CY	$ -	$ -	$ -	$ -	$ -	
45	S1	F13A/S3		(12"x3'8"D) Perimeter monolithic footing	64	5%	67	CY	$ -	$ -	$ -	$ -	$ -	
46	S1	F13/S3		(2") Extruded polystyrene insulation @ Perimeter footing	2,225	5%	2,336	SF	$ -	$ -	$ -	$ -	$ -	
				REINFORCEMENT										
47	S1	F13A/S3		#4 Reinforcement	2,075	5%	2,179	LBS	$ -	$ -	$ -	$ -	$ -	
48	LS101	S3		#5 Reinforcement	14,735	5%	15,472	LBS	$ -	$ -	$ -	$ -	$ -	
				FORMWORK										
49	S1	F13A/S3		Concrete formwork	6,265	5%	6,579	SF	$ -	$ -	$ -	$ -	$ -	
				EARTH WORK										
50	S1			Excavation for concrete foundation @ 20% Fluff factor	240	5%	252	CY	$ -	$ -	$ -	$ -	$ -	
51	S1			Backfill for concrete foundation @ 20% Fluff factor	109	5%	114	CY	$ -	$ -	$ -	$ -	$ -	