ADDENDUM NUMBER 1

DATE: October 24, 2024

PROJECT: 46 KV Transmission Line – 2024 Modifications & Additions
City of Fairhope **(BID NO. 25-003)**

FROM: Stewart Engineering, Inc.
PO Box 2233
Anniston, AL 36202
(256) 237-0891

TO: BIDDERS

This addendum forms a part of the Contract Documents and modifies the original Construction Documents, Drawings and Specifications dated October, 2024 as noted below.

1. SPECIFICATIONS

   Replace the following with new pages (attached):

   a. Section 5 (Pages 5-1 through 5-9)
   b. Section 8 (Page 8-10)
   c. Section 9 (Page 9-9)

2. DRAWING NO. AX23103-1 – Sheets 1, 6, 7, 11, 12, 13, & 14

   See attachments.

Acknowledgement of this Addendum **MUST** be made at the time of bid.

_____ _____
Bidder Date

END OF ADDENDUM NO. 1

STEWART ENGINEERING, INC.
Lance Junkin

SECTION 5 CONTRACTOR'S PROPOSAL

(Proposal shall be submitted in ink or typewritten)

TO: CITY OF FAIRHOPE
FAIRHOPE, ALABAMA

ARTICLE 1 - GENERAL

5-01 Offer to Contract. The undersigned Bidder hereby proposes to Contract with the Owner to perform and complete the Project as specified in these PROJECT SPECIFICATIONS, of which this Proposal is a part, in strict accordance with the PROJECT SPECIFICATIONS for the prices hereinafter stated in Paragraph 5 of this Section.

5-02 The Bidder warrants that this Proposal is made in good faith and without collusion or connection with any person or persons bidding for the same work.

5-03 The Bidder warrants that it possesses adequate financial resources and agrees that in the event this Proposal is accepted it will furnish a Contractor's Bond in the form attached hereto, in a penal sum not less than the maximum Contract price, with a surety or sureties listed by the United States Treasury Department as Acceptable Sureties.

In the event that the Surety or Sureties on the Performance Bond delivered to the Owner contemporaneously with the execution of the Contract or on any bond or bonds delivered in substitution thereof or in addition thereto shall at any time become unsatisfactory to the Owner, the Bidder agrees to deliver to the Owner another or an additional bond.

5-04 License. The Bidder warrants that a Contractor's License is required and it possesses Contractor's License No. _____ for the State of Alabama in which the Project is located and said license expires on _____, 20___.

5-05 Price. The Bidder proposes to Contract for the following amount, to be paid by the Owner as outlined in the PROJECT SPECIFICATIONS:

	REMOVAL	INSTALLATIONS	**TOTAL**
Base Bid (Labor)	$ _____ (Page 5-4c)	$ _____ (Page 5-5c)	**$** _____
Days to Complete	_____		
Alternate #1 (Labor)	$ _____ (Page 5-6d)	$ _____ (Page 5-7e)	$ _____
Days to Complete	_____		
Alternate #2 (Labor)	$ _____ (Page 5-8c)	$ _____ (Page 5-9g)	$ _____
Days to Complete	_____		

5-06 Contractor. Upon the Owner's acceptance of this Proposal, the successful Bidder shall be the Contractor and all references to the Bidder in this Proposal shall apply to the Contractor.

5-07 Description of Contract. The Notice and Instructions to Bidders, Plans, Specifications for Construction and Construction Drawings, all attached hereto and made a part hereof together with the Proposal and Acceptance constitute the contract. The Plans and Construction Drawings are Drawing No. AX23103-1 (Sheets 1 through 15).

5-08 Declaration of U. S. Citizenship.

Contractor, and any subcontractors, shall complete and submit with bid, the following Declaration of Citizenship documents (page 5-10). No bid shall be awarded prior to receipt of these documents from Contractor, and subcontractors.

5-09 Section 41-16-5, Code of Alabama 1975

Section 41-16-5, Code of Alabama 1975, requires that public contracts over $15,000 include the following language:

By signing this Contract, _____ represents and agrees
COMPANY NAME

that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

_____
(Bidder)

ATTEST: By _____
(President)

_____
(Secretary)

_____

DATE: _____ _____
(Address)

The Proposal must be signed with the full name of the Bidder. If the Bidder is a partnership, the Proposal must be signed in the partnership name by a partner. If the Bidder is a corporation, the Proposal must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the Corporation.

The Owner hereby accepts this Proposal of the Bidder,_____, for the construction of this Project.

The total contract price is $_____.

THE CITY OF FAIRHOPE, ALABAMA

_____ ATTEST: _____

Sherry Sullivan, Mayor **Lisa A. Hanks, MMC, City Clerk**

NOTARY FOR THE CITY

STATE OF: ALABAMA

COUNTY OF: BALDWIN

I, the undersigned authority in and for said State and County, hereby certify that **SHERRY SULLIVAN** as **Mayor** of the City of Fairhope whose name is signed to the foregoing document and who is known to me, acknowledged before me on this day, that, being informed of the contents of the document she executed the same voluntarily on the date the same bears date.

Given under my hand and Notary Seal on this _____day of _____, 20___.

_____

NOTARY PUBLIC

My Commission Expires: _____ / _____ / _____

EXHIBIT I BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

BASE BID – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
REMOVAL UNITS

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
80' STEEL POLE	1		
46KV SUSPENSION INSULATOR	3		
A1.011	17		
A1.1	2		
A4.1	1		
A5.1	5		
B5.21F	1		
C1.11	3		
C1.11LFX	19		
C1.11VP	23		
C5.21	4		
C5.21LF	2		
C6.21	1		
C6.21LF	3		
C6.21LFX	5		
CONDUIT BRKTS	5		
D.E. CLAMPS	31		
E1.1	10		
E1.1L	4		
E1.1 S.W.	11		
E1.4	3		
		SUBTOTAL	

EXHIBIT I BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

BASE BID – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown REMOVAL UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
E1.5	11		
ET-1	1		
F2.10 TF	26		
F2.8	6		
G1.4 (25 KVA) – REUSE	5		
G1.5 (25 KVA) – REUSE	1		
G2.1 (25 KVA) – REUSE	1		
G3.1 (25 KVA) – REUSE	3		
K1.4	12		
L4.4	11		
M26.5 – REUSE	4		
METER & WEATHERHEAD	2		
METER, BRKR BOX, WEATHERHEAD	1		
P1.01	20		
RISER PIPE FROM POLE	11		
S1.01	6		
S2.32 GOAB	2		
SLP2	1		
S.O.P 18" ABOVE STREET LIGHT	2		
STAND-OFF PIN	2		
TRIMOUNT BRKT	8		
		SUBTOTAL	

EXHIBIT I BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

BASE BID – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
REMOVAL UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
UA1	1		
UC1	5		
UK1.1	9		
#1/0 ACSR	1740′		
#2 ACSR	540′		
#4 ACSR	910′		
		SUBTOTAL	
		TOTAL BASE BID REMOVAL	

EXHIBIT II BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

BASE BID – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown INSTALLATION UNITS

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
45/2 DUCTILE POLE	3		
75/H5 WEATHERED STEEL POLE	24		
80/H5 WEATHERED STEEL POLE	6		
85/H5 WEATHERED STEEL POLE	2		
1CDS3	1		
1SS3	2		
1SS3-1	2		
SS3-2	1		
1SVVC	2		
A1.011	13		
A5.3	5		
B5.21F	1		
C1.11LFX	57		
C5.21LF	4		
C5.21LFX	2		
C6.21LF	2		
C6.21LFX	4		
CONDUIT BRACKET	33		
D.E. CLAMPS	65		
E1.1	1		
E1.1L	25		
E1.1 S.W.	1		
		SUBTOTAL	

EXHIBIT II BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE

2024 MODIFICATIONS & ADDITIONS

BASE BID – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
E1.4L	3		
E1.5 (120")	55		
ET-1	28		
ET-4	3		
F2.10TF	16		
F2.8	2		
G1.5 (25 KVA) – REUSE	6		
G2.1 (25 KVA) – REUSE	1		
G3.1 (25 KVA) – REUSE	3		
GT-10	32		
H1.1	3		
METER & WEATHERH. ON POLE	2		
METER, BRKR BOX, WEATHERHEAD	1		
RISER PIPE ON POLE	11		
INS. T-BRKT	3		
K1.4	15		
L4.4	15		
M26.5 – REUSE	4		
NORMAL OPEN SIGN	1		
P1.01	22		
S1.01	7		
		SUBTOTAL	

EXHIBIT II BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

BASE BID – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
S2.32 (GOAB)	2		
S.O.P. 18" ABOVE CABLE & ADD CAP	33		
SLP2	1		
SLPS3	26		
STAND-OFF PIN	2		
TRIMOUNT BRKT	10		
TRI. BRKT. (RIVIERA)	2		
UA1	1		
UC1	4		
UK1.1	8		
#3/8 STATIC WIRE	6610′		
#397 ACSR	3885′		
#397 ACSR (46 KV)	19930′		
#4/0 ACSR	1295′		
		SUBTOTAL	
		TOTAL BASE BID INSTALLATION	

EXHIBIT III BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #1 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
REMOVAL UNITS

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
1CDS3	2		
1WS3	1		
30′ POLE	2		
35′ POLE	1		
45′ DUCTILE	1		
55′ CONCRETE	1		
75′ POLE	1		
75′ STEEL POLE	1		
80′ STEEL	1		
A1.011	11		
B5.21F	1		
C1.11	4		
C1.11F	1		
C1.11L	3		
C1.11LFX	7		
C1.11VP-RIVIERA	8		
C5.21L	5		
C5.21LFX	3		
C6.21L	1		
C6.21LF	1		
C6.21LFX	1		
		SUBTOTAL	

EXHIBIT III BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #1 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
REMOVAL UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
CONDUIT BRKTS	16		
D.E. CLAMPS	8		
E1.1	11		
E1.1L	10		
E1.4	1		
E1.4-SPAN GUY	3		
E1.5	11		
ET-1	4		
F2.10	10		
F2.10.TF	4		
G1.4-REUSE	2		
G2.1-REUSE	2		
G3.1	2		
G3.1-REUSE	1		
GOAB	1		
H1.1	1		
INS TRI BRKT	1		
K1.4	15		
L4.4	17		
METER ON POLE	2		
P1.01	5		
		SUBTOTAL	

EXHIBIT III BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #1 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
REMOVAL UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
P1.3	1		
P1.3-RIVIERA	1		
S1.01	2		
S2.32-GOAB	1		
SLP2	3		
SLPS3	1		
STREET LIGHT	6		
STREET LGT-REUSE	9		
SVAC-WOOD	1		
TRIMOUNT BRKT	3		
UB1	1		
UC1	1		
UK1.1	10		
WLP2	3		
Y3.3	1		
Y3.3-REUSE	1		
S.O.P. 18″ ABOVE CABLE	21		
#1/0 ACSR	1815′		
#2 ACSR	200′		
#397 ACSR	11825′		
#4 ACSR	40′		
		SUBTOTAL	

EXHIBIT III BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #1 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
REMOVAL UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
#4/0 ACSR	3600′		
#6 DPX	275′		
3/4" CONDUIT ON POLE	20′		
3/8″ STATIC WIRE	3255′		
		SUBTOTAL	
		TOTAL ALTERNATE #1 REMOVAL	

EXHIBIT IV BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #1 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
1″ SWEEPS	5		
1CDS3	3		
1SS3-2	2		
2″ SWEEPS	6		
35′ POLE	3		
3Ø TERM CABINET	3		
3″ SWEEPS	5		
4″ SWEEPS	36		
40′ POLE	1		
45′ WOOD	1		
46KV RISER	2		
5″ SWEEPS	8		
50/2 WOOD	3		
75/H5 STEEL	6		
80/H5 STEEL	6		
85/H5 STEEL	2		
A1.011	11		
A6.2	1		
B5.21F	1		
C1.11LFX	21		
C5.21LF	4		
		SUBTOTAL	

EXHIBIT IV BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #1 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
C5.21LFX	3		
C6.21LFX	2		
CONDUIT BRKTS	43		
CONDUIT STRAPS	10		
D.E. CLAMPS	12		
E1.1	4		
E1.1L	27		
E1.4	5		
E1.5	31		
E1.5-21	6		
ELBOWS	32		
ET-1	17		
F2.10	5		
F2.10TF	24		
G1.5-REUSE	2		
G2.1-REUSE	2		
G3.1-REUSE	1		
GT-10	15		
H1.1	11		
INS TRI BRKT	4		
K1.4	20		
		SUBTOTAL	

EXHIBIT IV BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #1 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
L4.4	19		
METER ON POLE	2		
P1.01	2		
P1.3-RIVIERA	1		
PADMOUNT TRFMR	2		
PME-9 SWITCH	1		
S1.01	2		
S2.32-GOAB-STICK OPERATED	1		
SLPS3	10		
SPLICE UG SERVICE UP POLE	3		
STREET LGT-REUSE	9		
UC1	3		
UC2	1		
UK1.1	10		
Y3.3-REUSE	1		
#1/0 UG PRIMARY	140′		
#397 ACSR	4840′		
#397 ACSR-46KV	7110′		
#4/0 MCM CU (GROUND)	380′		
#4/0 MCM CU (GROUND)-UP POLE	80′		
#750 MCM UG	1830′		
#750 MCM UG-UP POLE	300′		
		SUBTOTAL	

EXHIBIT IV BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #1 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
1″ CONDUIT	310′		
1″ CONDUIT-UP POLE	50′		
2″ CONDUIT-UP POLE	80′		
2″ HDPE CONDUIT	1230′		
20″ HDPE STR-II PIPE	300′		
3″ PVC	175′		
3/8″ STATIC WIRE	2375′		
4″ CONDUIT	1520′		
4″ CONDUIT-UP POLE	270′		
5″ CONDUIT-UP POLE	240′		
5″ HDPE STR-II BORE PIPE	1200′		
STREET LGT WIRE-UP POLE	50′		
STREET LGT WIRE-UG	310′		
#1000 MCM AL UG 46KV	900′		
#1000 MCM AL UG 46KV-UP POLE	240′		
		SUBTOTAL	

EXHIBIT IV BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #1 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

INSTALLATION UNIT CHANGES TO BASE BID IF ALTERNATE #1 IS ACCEPTED

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
80/H5 WEATHERED STEEL POLE	1		
85/H5 WEATHERED STEEL POLE	1		
1CDS3	1		
1SS3	1		
A1.011	3		
C1.11LFX	4		
C5.21LF	2		
D.E. CLAMPS	4		
E1.1L	10		
E1.4L	3		
E1.5 (120″)	22		
ET-1	1		
ET-4	1		
F2.10TF	6		
GT-10	3		
SLP2	1		
#3/8 STATIC WIRE	100′		
#397 ACSR	300′		
#397 ACSR (46KV)	300′		
#4/0 ACSR	100′		
		SUBTOTAL	
	TOTAL ALTERNATE #1 INSTALLATION		

EXHIBIT V BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
REMOVAL UNITS

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
30' POLE	1		
A1.011	2		
A5.1	1		
C5.21LF	1		
C6.21LFX	1		
D.E. CLAMPS	4		
E1.1L	3		
E1.5	3		
ET-4	1		
F2.10	4		
SS3	1		
STREET LGT REUSE	1		
		SUBTOTAL	

EXHIBIT V BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
REMOVAL UNITS – Cont'd

REMOVAL UNIT CHANGES TO BASE BID IF ALTERNATE #2 IS ACCEPTED

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
A1.011	(5)	( )	( )
E1.1	(3)	( )	( )
F2.8	(2)	( )	( )
NOTE: ( ) IS A NEGATIVE NUMBER			
		SUBTOTAL	( )

EXHIBIT V BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
REMOVAL UNITS – Cont'd

REMOVAL UNIT CHANGES TO ALTERNATE #1 IF ALTERNATE #2 IS ACCEPTED

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
E1.1L	(2)	( )	( )
E1.5	(2)	( )	( )
F2.10.TF	(2)	( )	( )
NOTE: ( ) IS A NEGATIVE NUMBER			
		SUBTOTAL	( )
		TOTAL ALTERNATE #2 REMOVAL	

EXHIBIT VI BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
2″ SWEEPS	11		
25 KVA PADMOUNT	2		
3″ SWEEPS	20		
30′ POLE	2		
35′ POLE	1		
3′x5′ FIBER LOOP BOX	1		
4″ SWEEPS	41		
40′ POLE	1		
46KV RISER	1		
46KV VAULT	3		
5″ SWEEPS	22		
50 KVA	1		
A5.1	1		
CONDUIT BRKTS	36		
E1.1	6		
E1.4L	4		
E1.5	8		
ELBOWS	43		
ET-1	1		
F2.10TF	5		
F2.8	1		
H1.1	1		
K1.1	2		
		SUBTOTAL	

EXHIBIT VI BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
L4.4	2		
PADMOUNT TFMR 150KVA	1		
SS3-2	1		
TERM CABINET	3		
UA1	2		
UC1	1		
UK1.1	2		
VISTA SWITCHGEAR	1		
#1/0 URD-DIST.	690′		
#1/0 URD-UP POLE	60′		
#1000 MCM 46KV URD SPLICES	18		
#1000 MCM AL 46KV URD	4055′		
#4/0 MCM CU (GRD)	1235′		
#4/0 MCM CU 46KV URD SPLICES (GRD)	6		
#750 MCM URD-DIST.	4305′		
#750 MCM URD-UP POLE	270′		
2″ CONDUIT HDPE	2660′		
3″ CONDUIT	1170′		
3″ CONDUIT-UP POLE	110′		
4″ CONDUIT	4305′		
4″ CONDUIT-UP POLE	270′		
		SUBTOTAL	

EXHIBIT VI BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
5" CONDUIT	3855'		
4/0 URD SERVICE	480'		
4/0 URD SERVICE-UP POLE	50'		
		SUBTOTAL	

EXHIBIT VI BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

INSTALLATION UNIT CHANGES TO BASE BID IF ALTERNATE #2 IS ACCEPTED

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
45/2 DUCTILE POLE	(3)	( )	( )
75/H5 WEATHERED STEEL POLE	(2)	( )	( )
80/H5 WEATHERED STEEL POLE	(1)	( )	( )
1SS3	(1)	( )	( )
A1.011	(3)	( )	( )
A5.3	(1)	( )	( )
C1.11LFX	(4)	( )	( )
C5.21LF	(1)	( )	( )
C6.21LFX	(2)	( )	( )
D.E. CLAMPS	(8)	( )	( )
E1.1L	(9)	( )	( )
E1.1 S.W.	(1)	( )	( )
E1.5 (120″)	(17)	( )	( )
ET-1	(2)	( )	( )
F2.10TF	(8)	( )	( )
F2.8	(1)	( )	( )
G1.5 (25 KVA) - REUSE	(2)	( )	( )
GT-10	(2)	( )	( )
H1.1	(3)	( )	( )
K1.4	(7)	( )	( )
L4.4	(8)	( )	( )
		SUBTOTAL	( )

EXHIBIT VI BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

INSTALLATION UNIT CHANGES TO BASE BID IF ALTERNATE #2 IS ACCEPTED

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
M26.5 – REUSE	(2)	( )	( )
NORMAL OPEN SIGN	(1)	( )	( )
P1.01	(1)	( )	( )
S1.01	(1)	( )	( )
S2.32 (GOAB)	(1)	( )	( )
SLPS3	(2)	( )	( )
UK1.1	(3)	( )	( )
#3/8 STATIC WIRE	(925′)	( )	( )
#397 ACSR	(3120′)	( )	( )
#397 ACSR (46KV)	(2775′)	( )	( )
#4/0 ACSR	(1040′)	( )	( )
NOTE: ( ) IS A NEGATIVE NUMBER			
		SUBTOTAL	( )

EXHIBIT VI BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

INSTALLATION UNIT CHANGES TO ALTERNATE #1 IF ALTERNATE #2 IS ACCEPTED

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
1SS3-2	(1)	( )	( )
2″ SWEEPS	(2)	( )	( )
3Ø TERM CABINET	(1)	( )	( )
3″ SWEEPS	(3)	( )	( )
4″ SWEEPS	(9)	( )	( )
46KV RISER	(1)	( )	( )
5″ SWEEPS	(4)	( )	( )
CONDUIT BRKTS	(12)	( )	( )
E1.1	(2)	( )	( )
ELBOWS (UG)	(9)	( )	( )
ET-1	(1)	( )	( )
F2.10TF	(2)	( )	( )
GT-10	(1)	( )	( )
3-PHASE 150 KVA PADMOUNT TFMR	(1)	( )	( )
#1/0 UG PRIMARY	(30′)	( )	( )
#750 MCM UG	(150′)	( )	( )
#750 MCM UG-UP POLE	(90′)	( )	( )
2″ CONDUIT-UP POLE	(40′)	( )	( )
3″ PVC	(30′)	( )	( )
4″ CONDUIT	(200′)	( )	( )
4″ CONDUIT-UP POLE	(90′)	( )	( )
		SUBTOTAL	( )

EXHIBIT VI BIDDER'S NAME _____

CONTRACTOR'S BID SHEET

FAIRHOPE – 46 KV TRANSMISSION LINE _____

2024 MODIFICATIONS & ADDITIONS

ALTERNATE #2 – ADDENDUM #1 BY _____

Proposal/Unit Price Breakdown
INSTALLATION UNITS – Cont'd

INSTALLATION UNIT CHANGES TO ALTERNATE #1 IF ALTERNATE #2 IS ACCEPTED

Description of Construction Unit	Qty	Labor Unit Price	Labor Extended
5" CONDUIT-UP POLE	(120')	( )	( )
4/0 MCM CU (GRD)-UP POLE	(40')	( )	( )
NOTE: ( ) IS A NEGATIVE NUMBER			
		SUBTOTAL	( )
	TOTAL ALTERNATE #2 INSTALLATION		

ARE POLE CHANGE OUTS OR EQUIPMENT RELOCATIONS. INSTALL NEW OWNER SUPPLIED POLE NUMBERS ON ALL NEW POLES

8. THIS CONTRACTOR WILL SPLICE ADDITIONAL WIRE (ACSR, CU, TPX, OPEN WIRE SECONDARY, UG SECONDARY... AS APPLICABLE) AS REQUIRED WHEN PULLING OFF EXISTING POLES WHICH ARE BEING CHANGED OUT. SUCH LABOR SHALL BE INCLUDED IN TOTAL BID PRICE.

9. CONTRACTOR SHALL TRANSFER ALL EXISTING REMAINING CONDUCTORS TO NEW POLES. INCLUDE ASSOCIATED LABOR COSTS IN TOTAL BID PRICE.

10. ALL DISTRIBUTION UNDERGROUND CABLE SHALL BE TESTED BEFORE ENERGIZING, AS DESCRIBED IN NEW SECTION 10.

11. WEATHERED STEEL AND DUCTILE IRON POLES WILL BE ORDERED PRE-DRILLED FROM MANUFACTURER, EVERY EFFORT WILL BE MADE TO PRE-DRILL ALL HOLES; HOWEVER, IT IS INEVITABLE THAT ADDITIONAL HOLES SHALL BE NEEDED. CONTRACTOR SHALL INCLUDE ANY AND ALL ASSOCIATED LABOR FOR FIELD DRILLING ADDITIONAL HOLES IN THEIR TOTAL BID PRICE. NO ADDITIONAL PAYMENTS WILL BE MADE FOR SUCH WORK.

12. ALL POLES SHALL BE BACKFILLED WITH GRAVEL.

13. ALL 46KV UNDERGROUND CABLE SHALL BE PURGED WITH NITROGEN TO ELIMINATE ANY MOISTURE INSIDE CABLE. THIS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH INSTRUCTIONS PROVIDED IN NEW SECTION 10.

14. ALL 46KV UNDERGROUND CABLE SHALL BE TESTED BEFORE ENERGIZING, AS DESCRIBED IN NEW SECTION 10. THIS SHALL BE DONE AFTER THE NITROGEN PURGE.

15. ALL METAL COMPONENTS ATTACHED TO 46KV VAULTS SHALL BE GROUNDED.

16. ALL PVC SWEEPS SHALL BE SCHEDULE 80.

SECTION 10

UNDERGROUND PRIMARY 15KV AND 46KV CABLES

A. CABLE INSTALLATION

1. Cables shall be pulled from one termination point to the next (no splices except in manholes).

2. After duct has been installed and backfilling is complete, all ducts must be certified as follows:

   a. A wire brush shall be pulled through each conduit. The brush shall be of sufficient size to thoroughly clean conduit of debris.

   b. A cloth swab shall be pulled through each conduit. The swab shall be of sufficient size to clean all foreign matter out of conduit. Swab shall be pulled enough times to completely clean conduit.

   c. A mandrel shall be pulled through each conduit to ensure no duct has collapsed.

   d. Each duct run shall have a exact measurement of the length of duct run and written certification shall be kept on each conduit run.

   e. The procedure shall be to pull
      1) Wire Brush
      2) Cloth Swab
      3) Mandrel
      4) Length Measurement
      5) 1 Ply Polypro Line Pull Rope In All Conduits Installed

3. The Owner shall be responsible for keeping duct certification log and be on site as ducts are certified.

4. All wire brushes, cloth swabs, and mandrels shall be submitted to Engineer for approval prior to work beginning.

5. After all cable installation is complete and spare pull lines have been installed, all ducts shall be sealed.

B. DRYING MOISTURE FROM CONDUCTORS IN CABLE

1. Purpose

   a. To assure a uniform method for removal of water from cable conductors, as well as provide a method for determining whether a cable is free from water.

2. Definitions

   a. Desiccant: Moisture absorbing material, which changes color as it absorbs.

3. Associated Materials

   a. Nitrogen supply

   b. Nitrogen regulator

   c. Connection to adapt hose from regulator to cable to be dried

   d. Desiccant

   e. Clear plastic bag

4. Procedure

   a. Observe the following safety precautions:
      1) Use a means of circulating air, if used in a confined area, when using nitrogen.

   b. Connect the nitrogen supply, regulator, and adapter to the end of the cable to be dried.

Allow cable to dry. NOTE: Since cable drying time depends on the amount of water present in the cable, the length of drying time and the amount of pressure necessary will vary from length to length.

1) Drying time can vary from several hours to a few days.
2) Nitrogen pressure may vary from 4 to 20 PSI. **DO NOT** exceed 20 PSI as this may damage cable.

c. Perform test to determine whether cable is dry or not anytime during the drying process. Options are as follows:
   1) Force nitrogen through the cable at 15 to 20 PSI and check for visual signs of moisture, (i.e. water coming out of the cable, bubbles, or moisture collecting on hand when placed at the outlet of the cable for approximately one minute.)
   2) Turn nitrogen "off" and attach a clear plastic bag with desiccant pellets to the outlet end of the cable, when no visual signs of moisture are present, then:
      a) Poke several small holes in the bag.
      b) Apply nitrogen pressure to the cable
      c) Run for 15 minutes at 15 PSI, or until the desiccant pellets change color, whichever comes first.

Proceed to step 5 if the pellets do not change color indicating the cable is dry.

Repeat step 4 if the pellets change color indicating the cable still contains moisture.

5. Pass/Fail Criteria

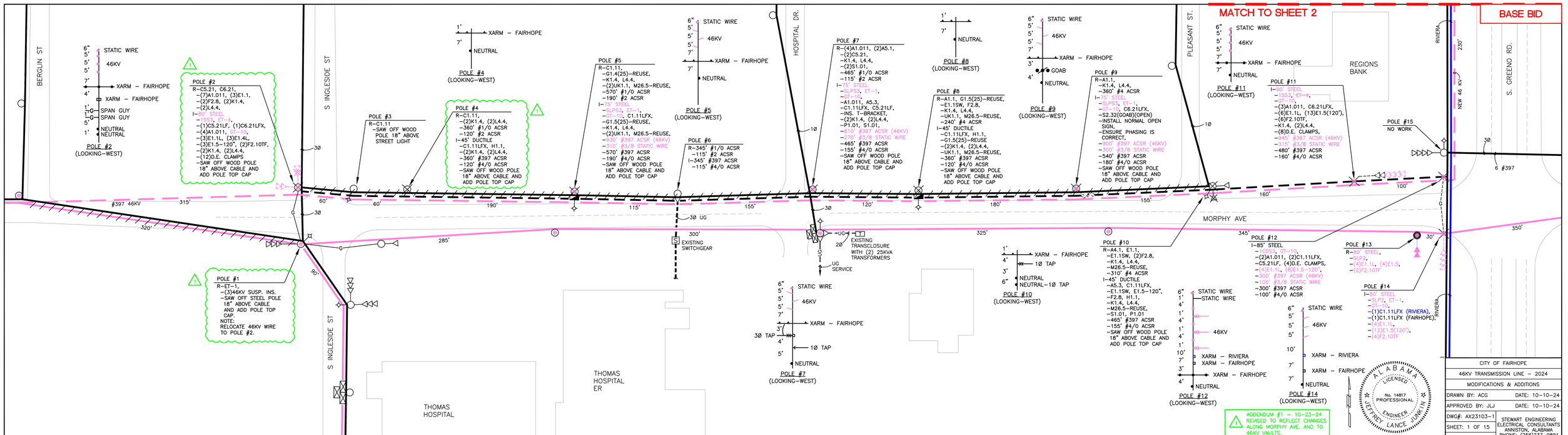
   a. PASS: Desiccant blue crystals remain the color blue for fifteen (15) minutes.

C. CABLE TESTING

1. The Engineer shall approve a Contractor provided independent "NETA" certified testing firm, and the Contractor shall be responsible for and shall pay the costs of the tests for all cables. Should any installed cable fail a test, the Contractor shall replace all cables in the duct, or shall correct the problem to the satisfaction of the Engineer. The Engineer shall have the option and shall decide if the cables shall be replaced, or if the problem shall be corrected in another way. The Contractor shall also pay the costs of all re-tests necessary due to a cable failing any tests.

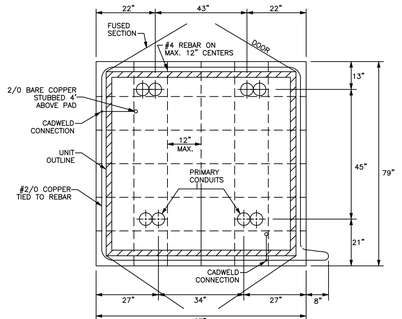
2. The method, voltage, length of time, and other characteristics of the tests shall be in accordance with IEEE 400 latest edition (and any IEEE 400 "point" documents directly related to the specific cable, and test type), and in accordance with ICEA Publishing No. T-27-581 latest edition, for the particular cable installed. The independent "NETA" certified testing firm employed by the Contractor shall provide final results, approved by a Registered Professional Engineer, for each cable tested, stating whether the cable passed the test and is acceptable, or the cable failed the test and is not acceptable. Such Professional Opinion shall be the sole basis for deciding if the installed cable passed the test and is acceptable.

3. After the cable installation, and after the installation of terminators, elbows, or splices, each piece of the primary cable shall be given a DC High Potential (HVDC Monitored Withstand with Leakage Current) FINAL Acceptance Test.

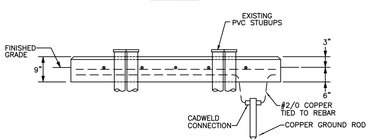


CITY OF FAIRHOPE	
46KV TRANSMISSION LINE – 2024	
MODIFICATIONS & ADDITIONS	
DRAWN BY: ACG	DATE: 10–10–24
APPROVED BY: JLJ	DATE: 10–10–24
DWG#: AX23103–1	STEWART ENGINEERING ELECTRICAL CONSULTANTS ANNISTON, ALABAMA PHONE: (256)237–0891
SHEET: 1 OF 15	
SCALE: 1"=50'	

ALTERNATE #1



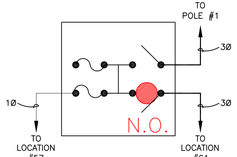
TOP VIEW



SIDE VIEW

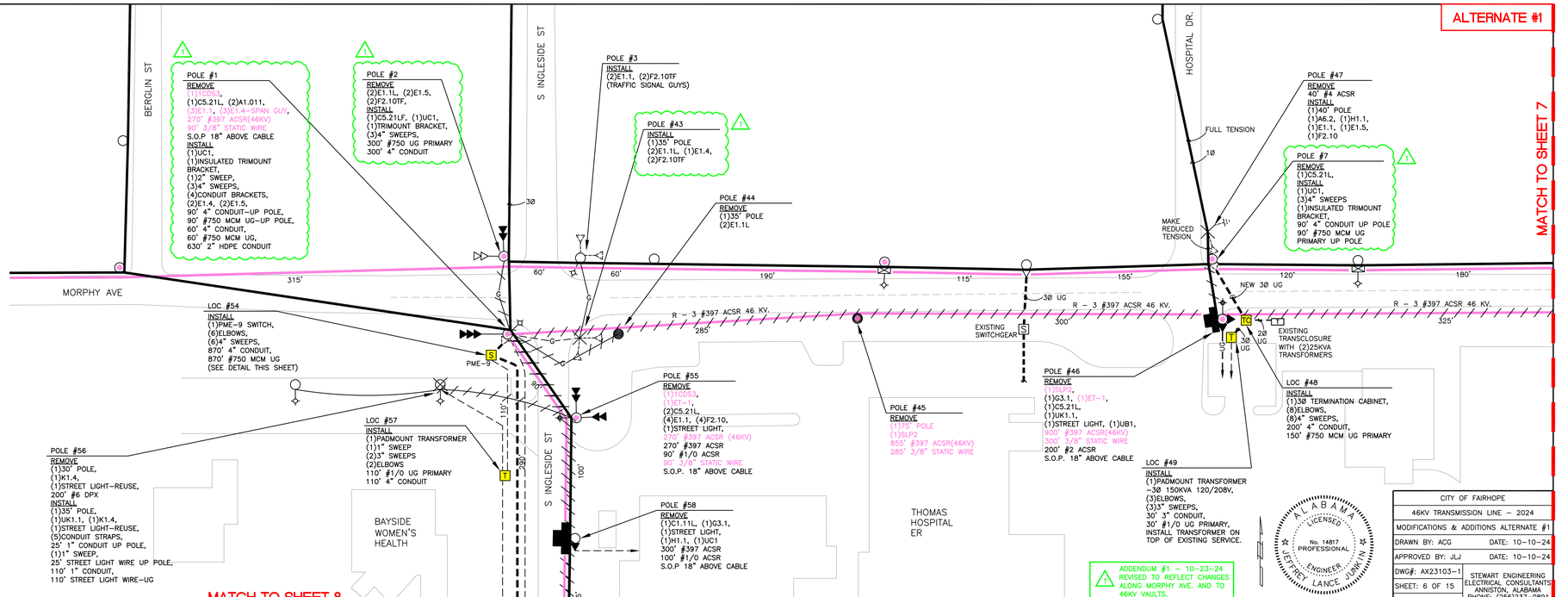
DETAIL: PADMOUNT SWITCH PAD PME-9

N.T.S. (LOCATION #54)



DETAIL: PME-9 PADMOUNT SWITCH

N.T.S. (LOCATION #54)



MATCH TO SHEET 8

MATCH TO SHEET 7

CITY OF FAIRHOPE	
46KV TRANSMISSION LINE – 2024	
MODIFICATIONS & ADDITIONS ALTERNATE #1	
DRAWN BY: ACG	DATE: 10-10-24
APPROVED BY: JLJ	DATE: 10-10-24
DWG#: AX23103-1	STEWART ENGINEERING ELECTRICAL CONSULTANTS ANNISTON, ALABAMA PHONE: (256)237-0891
SHEET: 6 OF 15	
SCALE: 1"=50'	

ALTERNATE #1

MATCH TO SHEET 6

MATCH TO SHEET 10

PLEASANT ST.

RIVIERA

S. GREENO RD.

REGIONS BANK

PAPA JOHNS

SMOOTHIE KING

WINN DIXIE

DOLLAR TREE

DOLLAR GENERAL

MORPHY AVE

POLE #15
REMOVE
(4)A1.011, (1)C1.11LFX, (2)C5.21LFX, (1)C6.21LFX, (4)E1.1L, (4)E1.5, (2)F2.10.TF, (1)K1.4, (1)L4.4, (1)STREET LIGHT–REUSE, S.O.P. 18" ABOVE CABLE
INSTALL
(1)85/H5 STEEL, (1)SLPS3, (1)GT–10, (1)ET–1, (4)A1.011, (1)C1.11LFX, (2)C5.21LFX, (1)C6.21LFX, (4)E1.1L, (4)E1.5, (2)F2.10.TF, (1)K1.4, (1)L4.4, (1)H1.1, (1)STREET LIGHT–REUSE, 690' #397 ACSR(46KV) 230' 3/8" STATIC WIRE

POLE #50
REMOVE
(1)75' STEEL POLE (1)SLP2 2100' #397 ACSR(46KV) 700' 3/8" STATIC WIRE

POLE #11
INSTALL
(1)1SS3–2, (1)GT–10, (1)ET–1, (1)46KV RISER, (8)CONDUIT BRACKETS, (4)5" SWEEPS, (2)2" SWEEP, 120' 5" CONDUIT–UP POLE 120' #1000 MCM AL UG–46 KV 40' 2" CONDUIT–UP POLE 40' #4/0 MCM CU (GROUND)–UP POLE

POLE #51
REMOVE
(1)C1.11VP(RIVIERA), (1)P1.3(RIVIERA), (1)C1.11LFX, (1)INSULATED TRIMOUNT BRACKET, S.O.P. 18" ABOVE CABLE
INSTALL
(1)80/H5 STEEL, (1)SLPS3, (1)GT–10, (1)ET–1, (1)C1.11LFX(RIVIERA), (1)C1.11LFX(FAIRHOPE), (1)H1.1, 780' #397 ACSR(46KV) 260' 3/8" STATIC WIRE

6" 5" 5" 5" STATIC WIRE
46KV
10'
XARM – RIVIERA
7'
7'
XARM – FAIRHOPE
NEUTRAL

POLE #41
(LOOKING–NORTH)

POLE #52
INSTALL
(1)80/H5 STEEL, (1)1SS3–2, (1)GT–10, (1)ET–1, (1)46KV RISER, (8)CONDUIT BRACKETS, (4)5" SWEEPS, (2)2" SWEEP, (4)E1.1L, (4)E1.5, (4)F2.10.TF, 120' 5" CONDUIT–UP POLE, 300' 20" HDPE STR–II BORE PIPE, 900' #1000 MCM AL UG 46KV, 1200' 5" HDPE STR–II PIPE, ROAD BORE SHALL BE AT MINIMUM OF 10' BELOW PAVEMENT CONSISTING OF (4)5" HDPE CONDUITS IN (1)20" ENCASEMENT, 300' 2" HDPE CONDUIT(4/0 GRD), 300' 2" HDPE CONDUIT(FIBER), 40' 2" CONDUIT–UP POLE, 40' #4/0 MCM CU (GROUND)–UP POLE 300' #4/0 MCM CU (GROUND) 120' #1000 MCM AL UG 46KV–UP POLE

POLE #53
REMOVE
1050' #397 ACSR(46KV) 350' 3/8" STATIC WIRE

NEW (3)1000 MCM AL UG 46KV & (1) 4/0 CU (GROUND)
300'
NEW 2" HDPE CONDUIT FOR FIBER (QTY 2)

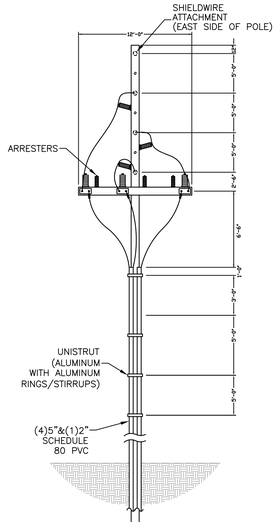
1 – 3 #397 ACSR 46 KV.

1 – 3 #397 ACSR 46 KV.

155' 160' 375' 350' 150' 210'

230' 85' 145' 260'

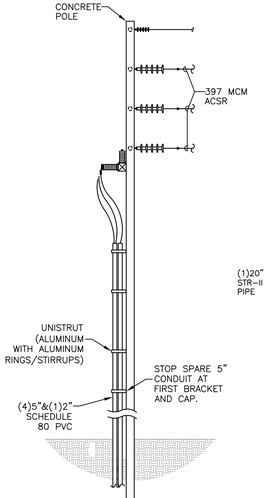
1Ø 3Ø



FAIRHOPE RISER ELEVATION POLE #52 LOOKING WEST

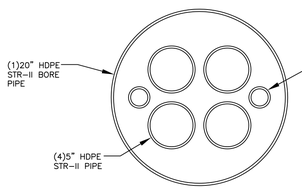
SCALE: 1/8"=1'–0"

NOTE:
GROUND WIRE ON THIS POLE SHALL BE 4/0 COPPER.



FAIRHOPE RISER ELEVATION POLE #52 LOOKING NORTH

SCALE: 1/8"=1'–0"



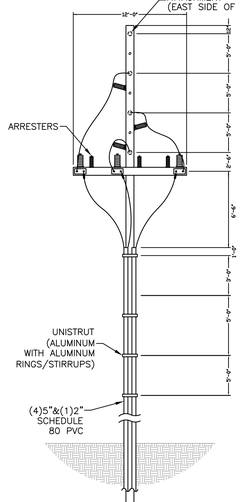
ENCASEMENT DETAIL

N.T.S.

1 ADDENDUM #1 – 10–23–24
REVISED TO REFLECT CHANGES ALONG MORPHY AVE. AND TO 46KV VAULTS.

ALABAMA LICENSED No. 14817 PROFESSIONAL ENGINEER JEFFREY LANCE JUNKIN

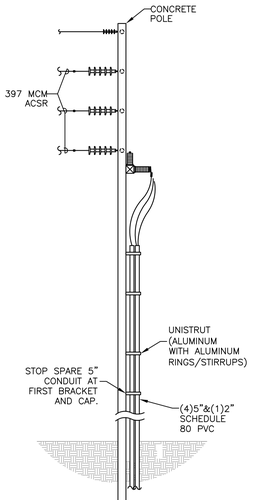
CITY OF FAIRHOPE	
46KV TRANSMISSION LINE – 2024	
MODIFICATIONS & ADDITIONS ALTERNATE #1	
DRAWN BY: ACG	DATE: 10–10–24
APPROVED BY: JLJ	DATE: 10–10–24
DWG#: AX23103–1	STEWART ENGINEERING ELECTRICAL CONSULTANTS ANNISTON, ALABAMA PHONE: (256)237–0891
SHEET: 7 OF 15	
SCALE: 1"=50'	



FAIRHOPE RISER ELEVATION POLE #52 LOOKING WEST

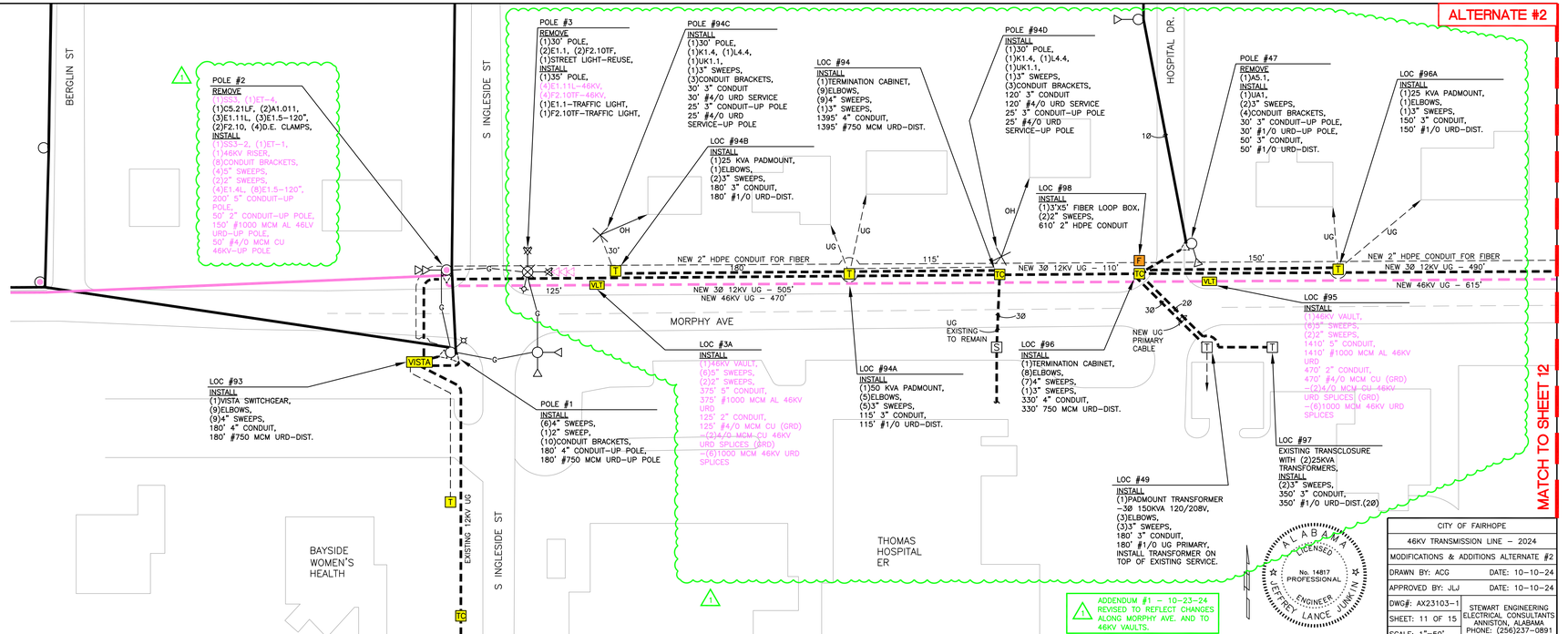
SCALE: 1/8"=1'-0"

NOTE:
GROUND WIRE ON THIS POLE SHALL BE 4/0 COPPER.

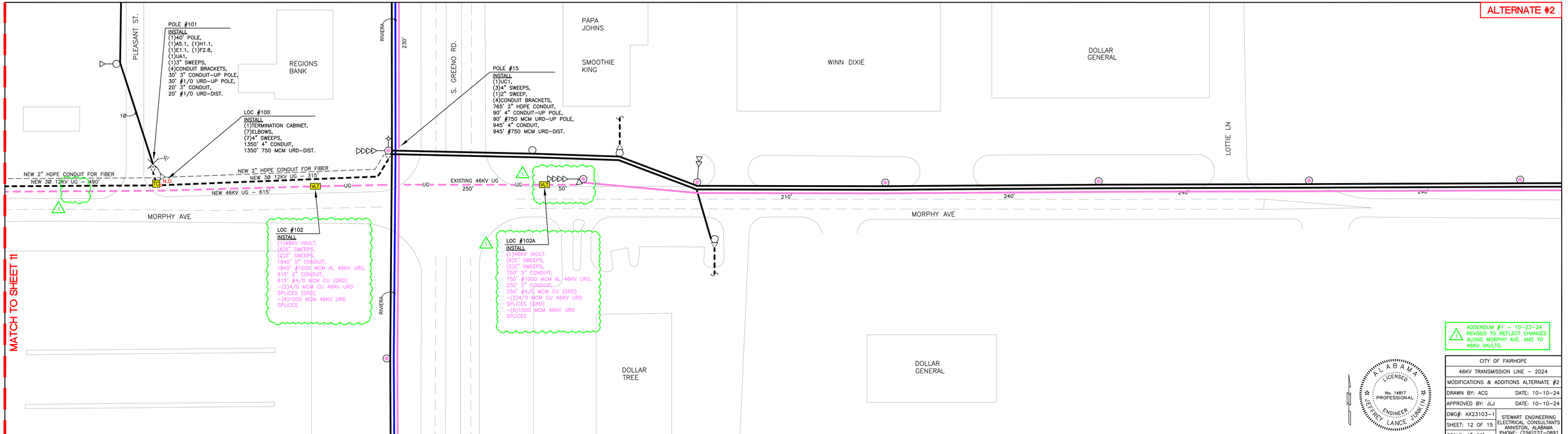


FAIRHOPE RISER ELEVATION POLE #52 LOOKING NORTH

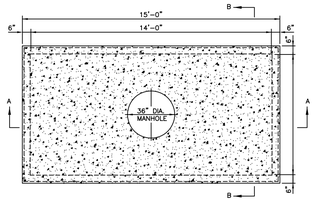
SCALE: 1/8"=1'-0"



CITY OF FAIRHOPE	
46KV TRANSMISSION LINE – 2024	
MODIFICATIONS & ADDITIONS ALTERNATE #2	
DRAWN BY: ACG	DATE: 10-10-24
APPROVED BY: JLJ	DATE: 10-10-24
DWG#: AX23103-1	STEWART ENGINEERING ELECTRICAL CONSULTANTS ANNISTON, ALABAMA PHONE: (256)237-0891
SHEET: 11 OF 15	
SCALE: 1"=50'	

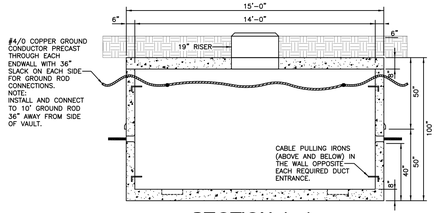

ALTERNATE #2
PLEASANT ST.
REGIONS BANK
POLE #101
INSTALL
(1)40' POLE,
(1)45.1, (1)H1.1,
(1)E1.1, (1)F2.8,
(1)UA1,
(1)3" SWEEPS,
(4)CONDUIT BRACKETS,
30' 3" CONDUIT-UP POLE,
30' #1/0 URD-UP POLE,
20' 3" CONDUIT,
20' #1/0 URD-DIST.
LOC #100
INSTALL
(1)TERMINATION CABINET,
(7)ELBOWS,
(7)4" SWEEPS,
1350' 4" CONDUIT,
1350' 750 MCM URD-DIST.
NEW 2" HDPE CONDUIT FOR FIBER
NEW 3Ø 12KV UG - 490'
NEW 2" HDPE CONDUIT FOR FIBER
NEW 3Ø 12KV UG - 315'
NEW 46KV UG - 615'
TC
N.O.
VLT
UG
MORPHY AVE
LOC #102
INSTALL
(1)46KV VAULT,
(6)4" SWEEPS,
(2)2" SWEEPS,
1845' 5" CONDUIT,
1845' #1000 MCM AL 46KV URD,
615' 2" CONDUIT,
615' #4/0 MCM CU (GRD)
-(2)4/0 MCM CU 46KV URD SPLICES (GRD)
-(6)1000 MCM 46KV URD SPLICES
RIVIERA
230'
S. GREENO RD.
POLE #15
INSTALL
(1)UC1,
(3)4" SWEEPS,
(1)2" SWEEP,
(4)CONDUIT BRACKETS,
765' 2" HDPE CONDUIT,
90' 4" CONDUIT-UP POLE,
90' #750 MCM URD-UP POLE,
945' 4" CONDUIT,
945' #750 MCM URD-DIST.
PAPA JOHNS
SMOOTHIE KING
WINN DIXIE
DOLLAR GENERAL
LOTTIE LN
EXISTING 46KV UG
250'
UG
VLT
50'
210'
240'
240'
240'
MORPHY AVE
LOC #102A
INSTALL
(1)46KV VAULT,
(6)5" SWEEPS,
(2)2" SWEEPS,
750' 5" CONDUIT,
750' #1000 MCM AL 46KV URD,
250' 2" CONDUIT,
250' #4/0 MCM CU (GRD)
-(2)4/0 MCM CU 46KV URD SPLICES (GRD)
-(6)1000 MCM 46KV URD SPLICES
DOLLAR TREE
DOLLAR GENERAL
MATCH TO SHEET 11
1 ADDENDUM #1 - 10-23-24 REVISED TO REFLECT CHANGES ALONG MORPHY AVE. AND TO 46KV VAULTS.
ALABAMA LICENSED No. 14817 PROFESSIONAL ENGINEER JEFFREY LANCE JUNKIN
CITY OF FAIRHOPE
46KV TRANSMISSION LINE - 2024
MODIFICATIONS & ADDITIONS ALTERNATE #2
DRAWN BY: ACG DATE: 10-10-24
APPROVED BY: JLJ DATE: 10-10-24
DWG#: AX23103-1
SHEET: 12 OF 15
SCALE: 1"=50'
STEWART ENGINEERING
ELECTRICAL CONSULTANTS
ANNISTON, ALABAMA
PHONE: (256)237-0891

ALTERNATE #2



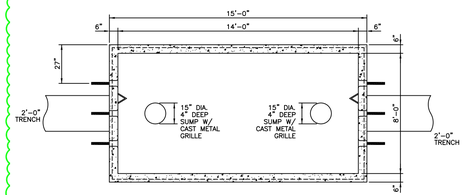
PLAN - ROOF

N.T.S.



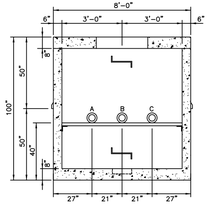
SECTION A-A

N.T.S.



TOP VIEW

N.T.S.



SECTION B-B

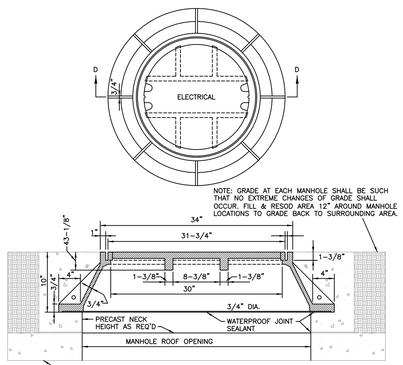
N.T.S.

POWER MANHOLE - LOCATIONS 3A,95,102,102A

N.T.S.
(TYPICAL FOR ALL POWER MANHOLES)

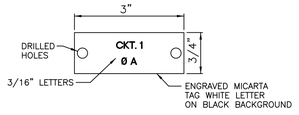
NOTES:

1. AT ALL MANHOLES, CONNECT THE TWO MANHOLE 4/0 COPPER GROUND TAILS TO EACH OTHER WITH 4/0 COPPER (COMPRESSION CONNECTIONS).
2. AT ALL MANHOLES, CONNECT THE INCOMING 4/0 COPPER GROUND CONDUCTOR (CONDUIT G) TO THE OUTGOING 4/0 COPPER GROUND CONDUCTOR (CONDUIT G) WITH COMPRESSION CONNECTORS.
3. AT ALL MANHOLES, MAKE A 4/0 COPPER CONNECTION BETWEEN THE MANHOLE 4/0 COPPER GROUND TAIL LOOP AND THE INCOMING COPPER GROUND CONDUCTOR LOOP, USING COMPRESSION CONNECTORS.



MANHOLE FRAME AND COVER

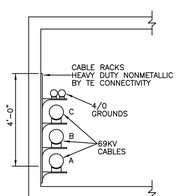
N.T.S.



DETAIL: CABLE TAGS

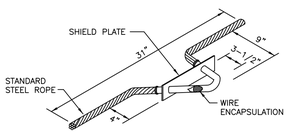
N.T.S.

NOTE: ATTACH CABLE TAGS TO CABLE WITH HEAVY DUTY NYLON TIE WRAP. T&B TY52MX TIES THROUGH HOLES AND CIRCLING CABLE.



DETAIL: CABLE RACK INSTALLATION

N.T.S.



DETAIL: PULLING IRON

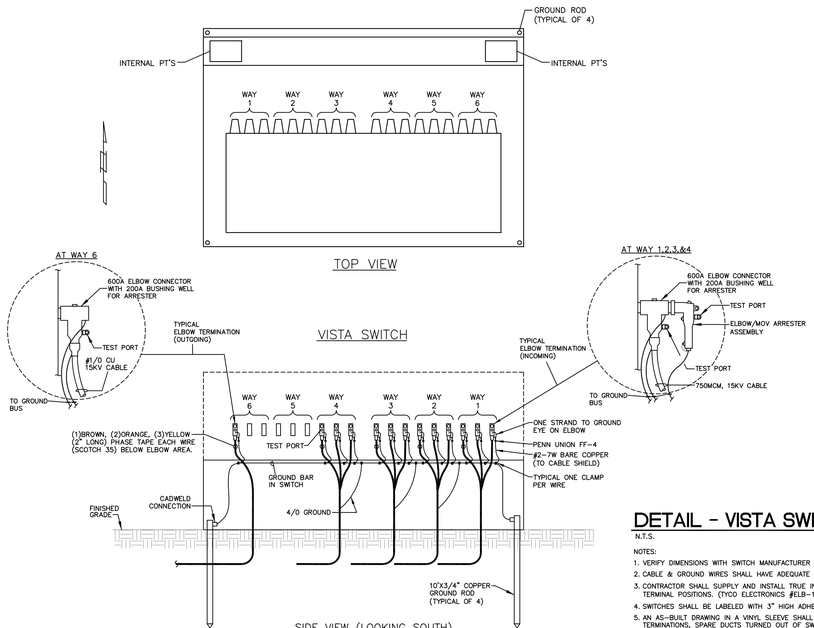
N.T.S.

ADDENDUM #1 - 10-23-24
REVISED TO REFLECT CHANGES ALONG MORPHY AVE. AND TO 46KV VAULTS.

ALABAMA LICENSED No. 14817 PROFESSIONAL ENGINEER JEFFREY LANCE JUNKIN

CITY OF FAIRHOPE	
46KV TRANSMISSION LINE - 2024	
MODIFICATIONS & ADDITIONS ALTERNATE #2	
DRAWN BY: ACG	DATE: 10-10-24
APPROVED BY: JLJ	DATE: 10-10-24
DWG#: AX23103-1	STEWART ENGINEERING ELECTRICAL CONSULTANTS ANNISTON, ALABAMA PHONE: (256)237-0891
SHEET: 13 OF 15	
SCALE: AS NOTED	

ALTERNATE #2

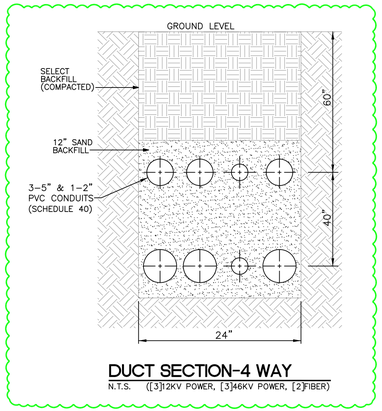


DETAIL - VISTA SWITCH LOC. #93

N.T.S.

NOTES:

1. VERIFY DIMENSIONS WITH SWITCH MANUFACTURER PRIOR TO INSTALLATION.
2. CABLE & GROUND WIRES SHALL HAVE ADEQUATE SLACK TO PERMIT REMOVAL OF ELBOW.
3. CONTRACTOR SHALL SUPPLY AND INSTALL TRUE INSULATING CAPS (NOT SIMPLE DUST COVERS) FOR ALL UNUSED VISTA TERMINAL POSITIONS. (TYCO ELECTRONICS #ELB-15/28-600-IC OR APPROVED EQUAL.)
4. SWITCHES SHALL BE LABELED WITH 3" HIGH ADHESIVE LABELS.
5. AN AS-BUILT DRAWING IN A VINYL SLEEVE SHALL BE INSTALLED IN EACH SWITCH INDICATING DUCT LAYOUT, DUCT TERMINATIONS, SPARE DUCTS TURNED OUT OF SWITCH AND CAPPED, AND CIRCUIT SIZE, ROUTING, AND YEAR INSTALLED.
6. CONNECT GROUND LOOP TO VISTA CABINET AND TANK USING 4/0 COPPER.



DUCT SECTION-4 WAY

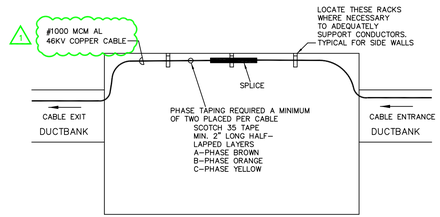
N.T.S. ([3]12KV POWER, [3]46KV POWER, [2]FIBER)

POWER DUCT SECTIONS

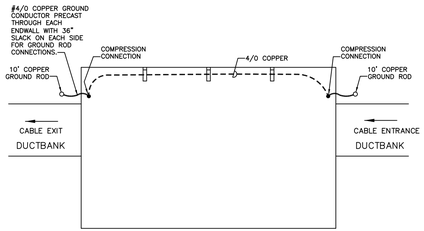
N.T.S.

NOTES:

1. THE ABOVE DUCT BANK DETAILS ARE FOR NEW 46KV DUCT BANKS.
2. DUCT BANK SHALL HAVE BACKFILL OF NOT MORE THAN 12" SAND.
3. THIS CONTRACTOR SHALL PROVIDE A PROTECTIVE BARRIER BENEATH ANY EXISTING WATER PIPING. EXTEND 10' EITHER SIDE.
4. THIS CONTRACTOR SHALL VERIFY ALL UTILITY DEPTHS PRIOR TO DUCT BANK CONSTRUCTION.
5. CONTRACTOR SHALL SUPPLY AND INSTALL "DANGER TAPE" ABOVE ALL UNDERGROUND 46KV CABLE PIPES AT A DEPTH OF 8" BELOW FINAL GRADE.
6. OWNER SHALL PROVIDE CONDUIT SPACERS. CONTRACTOR SHALL INSTALL SPACERS APPROXIMATELY EVERY 8'-10'.



PRIMARY - 46KV



GROUNDING

1 DETAIL: CABLE INSTALLATION AT MANHOLES

N.T.S.

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