

**In Design
STAKING SHEET**

for

PROJECT: E2314206

MOA 42ND AVE UPGRADES PH 1

Work Request: E2314206
Design: 42ND AVE FROM LAKE OTIS TO PIPER ST
Capital Account: 10727/000/03/7665
Reimbursible Account: / / /
Retirement Account: 10880/326/03/7665
Work Plan No:
Project Type: Line extension-Commercial-Small
Work Order Number:

Reviewed by Designer/Project Engineer: Cynthia Holifield Date: 06/11/2024

Reviewed by Supervisor/Manager: Cynthia Holifield
Brad Jackson Date: 6/11/24
Supervisor

Remarks:

MOA PM&E, RUSS OSWALD 907-343-8196
CRW, JUSTIN KEENE, 907-646-5632

Chugach Electric Association
5601 Electron Drive
Anchorage, AK 99518

Designer _____ Date ___/___/___

Checker _____ Date ___/___/___

Manager _____ Date ___/___/___

Project: E2314206

Design: 42ND AVE FROM LAKE OTIS TO PIPER ST

In Design

MOA 42ND AVE UPGRADES PH 1

Grid: 1734,1735

Structure: 00. GENERAL

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
MANHOURS	Install	0	80	MANHOURS (MANHOUR OF LABOR)		
Survey	Install	0	1	Survey (Survey (Direct Cost))		

Remarks: MANHOURS TO BE USED AT INSPECTOR'S DISCRETION.

Structure: 01. VAULT 13F

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
De-water Vault	Install	0	1	De-water Vault (De-water Vault Lump Sum Unit)		
MANHOURS	Install	0	185	MANHOURS (MANHOUR OF LABOR)		
STAG-2	Install	0	1	STAG-2 (PRIMARY CABLE TAG)		
SUM6-28F 3 PH	Install	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		
SUMV-1	Install	0	10	CABLE RACK RAO8 & STANCHION		
STAG-2	Remove	0	1	STAG-2 (PRIMARY CABLE TAG)		
SUM6-28F 3 PH	Remove	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		
SUPV-814	Existing	0	1	Pull Vault 8x14x8		

Remarks: MANHOURS AT INSPECTOR'S DISCRETION ADJUST MANHOLE RINGS TO FINISHED GRADE

Structure: 02. PB 13A ADDENDUM #2

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC	Install	3	75	750 CONC Wire (750 CONCENTRIC PRIMARY)		
SUR2-5	Install	1	75	SUR2-5 (PRIMARY TRENCH)		
SURCR	Install	1	75	SURCR (STATE/MOA ROAD CROSSING)		
SUM5022P	Install	1	75	SUM5022P - Conduit ((2) 2" PVC CONDUIT)		
SUM5026P	Install	1	75	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		
SUM5026P	Install	1	75	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		
SUM6-28F 3 PH	Install	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		
SUME290S3	Install	0	2	SUME290S3 (2" RSC 90 36")		
SUME690F5	Install	0	4	SUME690F5 (6" FG 90 60")		
750 SHLD	Remove	3	75	750 SHLD PRIMARY		
SUM5022P	Remove	1	75	SUM5022P - Conduit ((2) 2" PVC CONDUIT)		
SUM5026P	Remove	1	75	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		
SUM5026P	Remove	1	75	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		
SUM6-28F 3 PH	Remove	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		
SUMH-610	Existing	0	1	PULL VAULT - 6X10		

Remarks: COORDINATE CONDUIT DEPTH WITH STORM DRAIN INVERT.

Structure: 03. PM 13C

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUG17A-150	Existing	0	1	XFMR, PM, 150 KVA, 3 PH, LOOP		

Remarks: 750 SHLD ROUTES FROM PB 13A INTO PM 13C. RETURN TO VAULT 13F.

Structure: 04. SC-1236 (SC-130)

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC	Install	3	365	750 CONC Wire (750 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	20	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM1F	Install	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM3-9	Install	0	1	SUM3-9 (600 A SC 2 FUSES 2 SWITCHES)		
SUM5026H	Install	1	385	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25D 3 PH	Install	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		
SUM6-25F 3 PH	Install	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUM6-25F 3 PH	Install	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUM6-36A	Install	0	1	SUM6-36A (FUSE, S&C END FITTING SML-20)		
SUM6-36A	Install	0	1	SUM6-36A (FUSE, S&C END FITTING SML-20)		
SUM6-36A	Install	0	1	SUM6-36A (FUSE, S&C END FITTING SML-20)		
SUM6-4E	Install	0	1	SUM6-4E (UG FAULT INDICATOR)		
SUME645F5	Install	0	4	SUME645F5 (6" FG 45 60")		
SUME690F5	Install	0	2	SUME690F5 (6" FG 90 60")		
SUR2-5	Install	1	365	SUR2-5 (PRIMARY TRENCH)		
SURCR	Install	1	365	SURCR (STATE/MOA ROAD CROSSING)		
750 SHLD	Remove	3	383	750 SHLD PRIMARY		
SUM1F	Remove	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM3-9	Remove	0	1	SUM3-9 (600 A SC 2 FUSES 2 SWITCHES)		
SUM6-25D 3 PH	Remove	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		

Chugach Electric Association 5601 Electron Drive Anchorage, AK 99518	Designer/Project Engineer _____ Date ____/____/____
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Project: E2314206 Design: 42ND AVE FROM LAKE OTIS TO PIPER ST

In Design

MOA 42ND AVE UPGRADES PH 1

Grid: 1734,1735

Structure: 04. SC-1236 (SC-130)

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUM5016H	Abandon	1	385	SUM5016H - Conduit ((1) 6" HDPE CONDUIT)		

Remarks: HAND DIG TO INTERCEPT EXISTING CONDUIT CROSSING 42ND AVE.
90° ELBOWS FOR HORIZONTAL BENDS TO VAULT
(4)45° ELBOWS FOR SWEEP INTO SWITCH CABINET

Structure: 05. PM 1929 (23A) ADDENDUM #2

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUR2-5	Install	1	60	SUR2-5 (PRIMARY TRENCH)		
SURCR	Install	1	60	SURCR (STATE/MOA ROAD CROSSING)		
4/0 CONC	Install	3	155	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
CLEAN CNDT	Install	1	75	CLEAN CNDT (MANDREL & SWAB)		
SHUR2-5	Install	1	15	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
STAG-2	Install	0	1	STAG-2 (PRIMARY CABLE TAG)		
SUM5014P	Install	1	60	SUM5014P - Conduit ((1) 4" PVC CONDUIT)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUME445F4	Install	0	2	SUME445F4 (4" FG 45 48")		
4/0 CONC	Remove	3	135	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
STAG-2	Remove	0	1	STAG-2 (PRIMARY CABLE TAG)		
SUM6-1D 3 PH	Remove	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUG17A-150	Existing	0	1	XFMR, PM, 150 KVA, 3 PH, LOOP		

Remarks: INTERCEPT CONDUIT AND SWEEP UP TO 42"(MINIMUM DEPTH). COORDINATE DEPTH WITH
STORM DRAIN INVERT. RETAG FROM SC-130 TO SC-1236.
RETURN TO SC1236.

Structure: 06. V6224 (63A)

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC	Install	3	1,130	750 CONC Wire (750 CONCENTRIC PRIMARY)		
STAG-2	Install	0	1	STAG-2 (PRIMARY CABLE TAG)		
SUM5026H	Install	1	1,130	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-28F 3 PH	Install	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		
SUMH-810	Install	0	1	Pull Vault - 8x10		
SUMV-1	Install	0	6	CABLE RACK RAO8 & STANCHION		
SUR2-5	Install	1	1,130	SUR2-5 (PRIMARY TRENCH)		
SURCR	Install	1	1,130	SURCR (STATE/MOA ROAD CROSSING)		
750 SHLD	Remove	3	1,145	750 SHLD PRIMARY		
STAG-2	Remove	0	1	STAG-2 (PRIMARY CABLE TAG)		
SUM1F	Remove	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM5016H	Abandon	1	1,145	SUM5016H - Conduit ((1) 6" HDPE CONDUIT)		

Remarks: COORDINATE PULLPAD DEMOLITION AND VAULT INSTALLATION WITH MOA
REMOVAL/RESTORATION OF CONDO WALKWAY

Structure: 07. PB 13D

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	40	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
750 SHLD	Remove	3	1,045	750 SHLD PRIMARY		
SUM1F	Remove	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM6-28F 1 PH	Remove	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		

Remarks: INTERCEPT AND PULL BACK 750 SHLD THROUGH PULLBOX 13D TO NEW PULLBOX 0224. RETURN
TO V6224. HAND DIG TO INTERCEPT CIRCUIT.

Structure: 08. PB 0224 ADDENDUM #2

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUR2-5	Install	1	1,070	SUR2-5 (PRIMARY TRENCH)		
SURCR	Install	1	1,070	SURCR (STATE/MOA ROAD CROSSING)		
750 CONC	Install	3	1,070	750 CONC Wire (750 CONCENTRIC PRIMARY)		
SUM1-CA	Install	0	1	SUM1-CA (SUM1F METAL PAD COVERING)		
SUM1F	Install	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM5026H	Install	1	1,070	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-28F 3 PH	Install	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		
SUME645F5	Install	0	4	SUME645F5 (6" FG 45 60")		
SUME690F5	Install	0	2	SUME690F5 (6" FG 90 60")		

Remarks: INTERCEPT EXISTING 750 CONC RUNNING SOUTH. 90° ELBOW FOR HORIZONTAL SWEEPS

Chugach Electric Association	Designer/Project Engineer	_____	Date	___/___/___
5601 Electron Drive	Checker	_____	Date	___/___/___
Anchorage, AK 99518	Manager/Supervisor	_____	Date	___/___/___

Project: E2314206

Design: 42ND AVE FROM LAKE OTIS TO PIPER ST

In Design

MOA 42ND AVE UPGRADES PH 1

Grid: 1734,1735

Structure: 09. SC-84

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	Complete	Qty
STAG-2	Install	0	1	STAG-2 (PRIMARY CABLE TAG)		
STAG-2	Remove	0	1	STAG-2 (PRIMARY CABLE TAG)		

Remarks: RETAG SC-130 TO SC-1236 IN CPT-1