

In Design

BIDSHEET

for

PROJECT : E2214120

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Work Request: E2214120

Design No.: OLD SEWARD-O'MALLEY PH2

Capital Account: 10720/000/03/7665

Reimbursible Account: / / /

Retirement Account: 10880/326/03/7665

Work Plan No:

Project Type: System Improvements

Reviewed by Designer/Project Engineer: Vladimir Krivonosov Date: 05/02/2023

Vladimir Krivonosov

Reviewed by Supervisor/Manager: Brad Jackson Date: 5/2/23

Supervisor

Remarks:

In Design

Project: E2214120 Contractor: _____
OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Assembly Unit	Proposed Quantity	Actual Quantity	Labor	Material	Labor & Material	Extended Labor & Material
1/0 CONC	2.845					
2 CONC 3 PH	0.030					
2/0 RIBB	0.050					
3-DEADEND HOT	2.000					
4/0 CONC	8.319					
6/2 UF	0.020					
750 CONC 15KV	25.800					
BENCHING	1.000					
BORE	3.525					
CLEAN CNDT	1.580					
CONCRETE	1.000					
CURB	10.000					
De-water Vault	1.000					
HOT 3 INSERT	2.000					
MANHOURS	700.000					
MOB/DEMOB	1.000					
POLE40/2	1.000					
POLE45/1	1.000					
RandR FENCE	1.000					
SC7-1	1.000					
SC7A-1	1.000					
SE15	4.000					
SF-3.5 EXT	4.000					
SF-3S	4.000					
SF-7 EXT	4.000					
SHUR2-5	0.680					
SHUR2-6	0.395					
SL5A	1.000					
SM5-9PB	1.000					
SM5-9PC	1.000					
SR1-16	1.000					

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Assembly Unit	Proposed Quantity	Actual Quantity	Labor	Material	Labor & Material	Extended Labor & Material
STAG-2	5.000					
SUA3	1.000					
SUC3	1.000					
SUG17A-150	1.000					
SUG17A-75	1.000					
SUG6-25	3.000					
SUG7-25	1.000					
SUK7-LH	1.000					
SUM1	4.000					
SUM1B	2.000					
SUM1F	12.000					
SUM1-GPA	12.000					
SUM3-11	4.000					
SUM3-9	8.000					
SUM5	1.000					
SUM5011.5H	0.020					
SUM5012H	0.890					
SUM5012SR	2.000					
SUM5014H	1.128					
SUM5014P	0.085					
SUM5016FR	2.000					
SUM5022H	2.100					
SUM5024H	0.915					
SUM5024P	0.030					
SUM5026H	7.965					
SUM5A	1.000					
SUM6-10	3.000					
SUM6-15	9.000					
SUM6-1C 1 PH	13.000					
SUM6-1D 3 PH	10.000					
SUM6-25C 1 PH	17.000					

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Assembly Unit	Proposed Quantity	Actual Quantity	Labor	Material	Labor & Material	Extended Labor & Material
SUM6-25D 3 PH	9.000					
SUM6-25F 3 PH	32.000					
SUM6-28A 3 PH	1.000					
SUM6-28F 3 PH	2.000					
SUM6-36A	33.000					
SUM6-4EL	18.000					
SUME290S3	10.000					
SUME445F4	18.000					
SUME445S4	2.000					
SUME490F3	11.000					
SUME490F4	10.000					
SUME490P2	3.000					
SUME645F4	22.000					
SUME645F5	45.000					
SUME690F4	4.000					
SUME690F5	4.000					
SUMV-1	8.000					
SUPB-675	1.000					
SUR2-5	1.483					
SUR2-6	2.540					
SURCG	0.120					
SURCP	0.077					
SURL	1.000					
SURS-ST	0.160					
Survey	1.000					
SWPPP-BP	1.000					
Traffic Control	1.000					
XSUM8	1.000					
XUR2-11A	10.000					
XUR2-11C	3.000					
XUR2-12	3.000					

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Assembly Unit	Proposed Quantity	Actual Quantity	Labor	Material	Labor & Material	Extended Labor & Material
* 1/0 CONC	0.600					
* 1/0 CONC 3 PH	0.045					
* 2 TPX Service	0.022					
* 336 ACSR	21.411					
* 336 ACSR Neutral	7.137					
* 4/0 ACSR	0.651					
* 4/0 ACSR Neutral	0.217					
* 4/0 CONC	0.345					
* 4/0 SHLD 3 PH	1.755					
* 6 DPX	0.216					
* 6/2 UF	0.115					
* 750 CONC 15KV	2.385					
* C8	1.000					
* C8-3	1.000					
* CUTOUT	1.000					
* J11	4.000					
* POLE45/1	1.000					
* POLE45/3	3.000					
* SC7-1	1.000					
* SC7A-1	4.000					
* SC7A-2	2.000					
* SC9-1	24.000					
* SC9-2	7.000					
* SE14	2.000					
* SE15	16.000					
* SE1-5	1.000					
* SE2-5 Material	3.000					
* SF7C	16.000					
* SG312-150	1.000					
* SG312-75	2.000					
* SG39-15	2.000					

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Assembly Unit	Proposed Quantity	Actual Quantity	Labor	Material	Labor & Material	Extended Labor & Material
* SG39-25	1.000					
* SK16	1.000					
* SL5-AA	1.000					
* SM2-15	1.000					
* SM3-15	1.000					
* SM5-9B	8.000					
* SM5-9B 3 PH	6.000					
* SMR1	1.000					
* STAG-2	5.000					
* SUA2	8.000					
* SUC1	4.000					
* SUC1A	1.000					
* SUC3	6.000					
* SUM5	5.000					
* SUM5012SR	1.000					
* SUM5014FR	4.000					
* SUM5016FR	4.000					
* SUM5A	2.000					
* SUM6-10	6.000					
* SUM6-1C 1 PH	8.000					
* SUM6-1C 3 PH	1.000					
* SUM6-1D 3 PH	2.000					
* SUM6-25A 1 PH	3.000					
* SUM6-25C 1 PH	7.000					
* SUM6-25D 3 PH	7.000					
* SUM6-25F 3 PH	10.000					
* SUM6-28F 3 PH	1.000					
* SUM6-4EL	1.000					
* SUME290S3	7.000					
* SUME490F3	5.000					
* SUME490F4	9.000					

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 OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Assembly Unit	Proposed Quantity	Actual Quantity	Labor	Material	Labor & Material	Extended Labor & Material
* SUME690F5	8.000					
* SUME690S5	2.000					
* XSL5AL 40 LED	1.000					
* 1/0 CONC	0.105					
* 2 CONC 1 PH	0.245					
* 2 CONC 3 PH	0.240					
* 750 SHLD	2.055					
* SUM5012H	0.370					
* SUM5014P	0.045					
* SUM5022H	0.025					
* SUM5024P	0.200					
* SUM5026H	0.040					
* SUM5026P	0.030					

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RIGHT-OF-WAY REPORT

WORK ORDER NO. E2214120

DATE: April 28, 2023

SUBJECT: Distribution and Transmission System Improvement Project
O'Malley Road to E. Dimond Blvd.
Grids 2231, 2232, 2331, 2332, 2431, 2432, 2531 and 2532

An "X" enclosed in the parentheses below indicates the listed requirement has been obtained.

Easement Rights:

- (X) 1. Dedicated by Plats (76-295, 2000-141, 96-69, 87-133, 2001-178, 94-120, 98-104, P-253, 71-75, 73-147, 73-19, 76-47, 85-173, 91-105, 83-139, 85-257, 93-46, 84-302, 83-24, 70-136, 71-118, 83-419, 97-106, 84-273, 83-212, 84-246, 83-438, 81-26, 79-56 and P-321).
- (X) 2. Warranty Deed (Serial No. 2004-087882-0).
- (X) 3. CEA specific easements on file.

Permits:

- (X) 1. SOA DOT&PF Utility Permit 1-133200-23-056 (Expires 10/1/2023, TCP's to be obtained by Contractors).
- 5/2/23 (✓) 2. MOA ROW Permit (submitted for approval 4/28/2023 pending approval, TCP's to be obtained by Contractors).
- () 3. NOC labels for letters and Robo calls (requested on April 28th for construction dates May 15th through construction season 2023).

Clearing:

- (X) 1. Clearing was identified on the project plans dated April 13, 2023.



Lorraine A. Lehman
Right-of-Way Agent I

**In Design
STAKING SHEET**

for

PROJECT: E2214120

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Work Request: E2214120
Design: OLD SEWARD-O'MALLEY PH2
Capital Account: 10720/000/03/7665
Reimbursible Account: / / /
Retirement Account: 10880/326/03/7665
Work Plan No:
Project Type: System Improvements
Work Order Number:

Reviewed by Designer/Project Engineer: Vladimir Krivonosov Date: 05/02/2023

Reviewed by Supervisor/Manager: Vladimir Krivonosov
Brad Jackson Date: 5/2/23
Supervisor

Remarks:

Chugach Electric Association
5601 Electron Drive
Anchorage, AK 99518

Designer _____ Date ___/___/___

Checker _____ Date ___/___/___

Manager _____ Date ___/___/___

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 00 GENERAL

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
BENCHING	Install	1	1	BENCHING (BENCHING TRENCH ROUTE)		
De-water Vault	Install	0	1	De-water Vault (De-water Vault Lump Sum Unit)		
MANHOURS	Install	0	700	MANHOURS (MANHOUR OF LABOR)		
MOB/DEMOB	Install	0	1	MOB/DEMOB (UNPLANNED RETURN TO SITE)		
RandR FENCE	Install	0	1	RandR FENCE (FENCE REPAIR/RESTORATION)		
SR1-16	Install	1	1	SR1-16 (CLEARING, 16' FOR UG LINES)		
SURL	Install	0	1	SURL (LANDSCAPING)		
Survey	Install	0	1	Survey (Survey (Direct Cost))		
SWPPP-BP	Install	0	1	SWPPP-BP (STORM WATER PLAN - BP)		
Traffic Control	Install	0	1	Traffic Control (Traffic Control)		

Remarks: -MANHOURS USED AT INSPECTORS DISCRETION.
-CONTRACTOR TO PROVIDE ASPHALT CUTS AND RESTORATION

Structure: 001 SC 1122

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM6-25F 3 PH	Install	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUM6-4EL	Remove	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUM1F	Existing	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM3-9	Existing	0	1	SUM3-9 (600 A SC 2 FUSES 2 SWITCHES)		

Remarks:

Structure: 002 POLE 0407

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
CLEAN CNDT	Install	1	375	CLEAN CNDT (MANDREL & SWAB)		
SHUR2-6	Install	1	15	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
750 CONC 15KV	Remove	3	375	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
SUC3	Remove	0	1	SUC3 (PRI RISER)		
SUM5016FR	Remove	0	1	FIRST 10FT SPARE EMPTY 6" FG RISER		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME690F5	Remove	0	2	SUME690F5 (6" FG 90 60")		
SUM5026H	Existing	1	375	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		

Remarks: -REMOVE RISER WITH CABLE FROM POLE 0407, EXPOSE EXISTING CONDUIT ELBOWS WITH 750 CONC BY THE POLE 0407, CUT ELBOWS AND REMOVE 750 CONC, CLEAN EXISTING CONDUITS-375' AND SPLICE WITH NEW 2X6" HDPE-355' TO THE SC 1201. INSTALL NEW 750 CONC FROM SC 1122 TO NEW SC 1201.

Structure: 003 POLE 0417

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-6	Install	1	10	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
SUC3	Remove	0	1	SUC3 (PRI RISER)		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		

Remarks: - REMOVE EXISTING RISER WITH CABLE FROM POLE 0417, ABANDON EXISTING 750 SHLD CABLE BETWEEN POLE 0417 AND V 2916.

Structure: 004 SC 1201

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	695	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	70	BORE		
SHUR2-6	Install	1	20	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
SUM1F	Install	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM3-11	Install	0	1	SUM3-11 (600 A SC 1 FUSE 3 SWITCHES)		
SUM5026H	Install	1	320	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 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)		
SUM6-25F 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)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME645F5	Install	0	6	SUME645F5 (6" FG 45 60")		
SUR2-6	Install	1	230	SUR2-6 (PRIMARY TRENCH)		

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Remarks:

Structure: 004A PM 0409

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	285	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SUG6-25	Install	0	1	SUG6-25 (XFMR, PM, 25 KVA, 1 PH, RADIAL)		
SUM1	Install	0	1	SUM1 (CONCRETE PAD 1 PH XFMR)		
SUM5022H	Install	1	285	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		

Remarks: -285' IS COMMON TRENCH TO SC 1201.

Structure: 005 V 2916

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	680	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
SHUR2-5	Install	1	50	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5026H	Install	1	680	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-28F 3 PH	Install	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		
SUME645F5	Install	0	2	SUME645F5 (6" FG 45 60")		
SUME690F5	Install	0	2	SUME690F5 (6" FG 90 60")		
SUMV-1	Install	0	8	CABLE RACK RAO8 & STANCHION		
SUPB-675	Install	0	1	3Ø PULL BOX FEEDER		
SUR2-5	Install	1	630	SUR2-5 (PRIMARY TRENCH)		
SURCP	Install	1	22	SURCP (PARKING LOT CROSSING)		
XUR2-11C	Install	0	3	XUR2-11C (DRAIN ROCK)		
XUR2-12	Install	0	3	XUR2-12 (EXPORT)		
750 SHLD	Abandon	3	685	750 SHLD PRIMARY		

Remarks: -17' IS COMMON TRENCH TO SC 1201.
 -INSTALL 750 CONC-680' CABLE FROM SC 1201 TO V 2916.
 -INSTALL GEOTEXTILE FABRIC UNDER THE VAULT.
 -XUR2-11C DRAIN ROCK PROVIDED TO INSTALL UNDER THE VAULT FOR DRAINAGE.
 -HAND DIG TO DIG BACK ON DIRECT BURIED AND ROUTE INTO VAULT.

Structure: 006 SC 1202

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	160	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
SUM1F	Install	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM3-11	Install	0	1	SUM3-11 (600 A SC 1 FUSE 3 SWITCHES)		
SUM5026H	Install	1	160	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)		
SUM6-25F 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)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME445F4	Install	0	2	SUME445F4 (4" FG 45 48")		
SUME645F5	Install	0	8	SUME645F5 (6" FG 45 60")		
SUR2-6	Install	1	160	SUR2-6 (PRIMARY TRENCH)		

Remarks: -ESTABLISH NORMAL OPEN TO SC 1203.

Structure: 007 POLE 9325

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
3-DEADEND HOT	Install	0	1	3-DEADEND HOT (3-DEADEND HOT)		
750 CONC 15KV	Install	3	330	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	320	BORE		
HOT 3 INSERT	Install	0	1	HOT 3 INSERT (HOT 3 INSERT (TASK ORDER ONLY))		
POLE40/2	Install	0	1	POLE40/2 (POLE, 040 CLASS 2)		
SC7-1	Install	0	1	SC7-1 (XARM SINGLE DEADEND)		
SE15	Install	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Install	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF-3.5 EXT	Install	0	2	ANCHOR EXTENSION 3.5' - 1 1/2" SQ ROD		
SF-3S	Install	0	1	SF-3S (ANCHOR, 3 HELIX)		
SF-3S	Install	0	1	SF-3S (ANCHOR, 3 HELIX)		
SF-7 EXT	Install	0	2	ANCHOR EXTENSION 7' - 1 1/2" SQ Rod		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		

Chugach Electric Association
 5601 Electron Drive
 Anchorage, AK 99518

Designer/Project Engineer _____ Date ____/____/____
 Checker _____ Date ____/____/____
 Manager/Supervisor _____ Date ____/____/____

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 007 POLE 9325

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM5016FR	Install	0	1	FIRST 10FT SPARE EMPTY 6" FG RISER		
SUM5026H	Install	1	330	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUME690F4	Install	0	1	SUME690F4 (6" FG 90D 48"R)		
SUME690F4	Install	0	1	SUME690F4 (6" FG 90D 48"R)		
SURCG	Install	1	10	SURCG (GRAVEL ROAD CROSSING)		

Remarks: -INSERT NEW DEADEND POLE 9325 6' DEEP, EAST 10' FROM POLE 9125.

Structure: 008 PM 8825

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
4/0 CONC	Install	3	430	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	30	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5024H	Install	1	430	SUM5024H - Conduit ((2) 4" HDPE CONDUIT)		
SUM6-15	Install	0	3	SUM6-15 (200A PARKING STAND)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUME490F3	Install	0	2	SUME490F3 (4" FG 90 36")		
SUR2-5	Install	1	80	SUR2-5 (PRIMARY TRENCH)		
SURCG	Install	1	110	SURCG (GRAVEL ROAD CROSSING)		
XUR2-11A	Install	0	10	XUR2-11A (XUR2-11A (TYPE II))		
SUM6-10	Existing	0	3	SUM6-10 (200A BUSHING CAP)		

Remarks: -320' IS COMMON BORE TO POLE 9325..
 -RETURN TO SC 1202.
 -ESTABLISH NORMAL OPEN TO PM 8725.

Structure: 009 SC 1203

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	625	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	220	BORE		
SUM1F	Install	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM3-11	Install	0	1	SUM3-11 (600 A SC 1 FUSE 3 SWITCHES)		
SUM5026H	Install	1	625	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)		
SUM6-25F 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)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME645F5	Install	0	1	SUME645F5 (6" FG 45 60")		
SUR2-6	Install	1	345	SUR2-6 (PRIMARY TRENCH)		
SURS-ST	Install	1	60	SURS-ST (VERY DEEP SANDED PRIMARY TRENC)		

Remarks:

Structure: 010 SC 925

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	940	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	120	BORE		
SHUR2-5	Install	1	105	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5026H	Install	1	940	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)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME645F5	Install	0	2	SUME645F5 (6" FG 45 60")		
SUR2-5	Install	1	715	SUR2-5 (PRIMARY TRENCH)		
SUM6-25D 3 PH	Remove	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		

Remarks:

Structure: 010A SC 60

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM3-11	Existing	0	1	SUM3-11 (600 A SC 1 FUSE 3 SWITCHES)		

Remarks: -ESTABLISH NORMAL OPEN TO SC 925.

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 011 PM 6950

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
4/0 CONC	Install	3	15	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
CLEAN CNDT	Install	1	15	CLEAN CNDT (MANDREL & SWAB)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUME490F3	Install	0	1	SUME490F3 (4" FG 90 36")		
1/0 CONC 3 PH	Remove	3	15	1/0 CONC 3 PH (1/0 CONCENTRIC PRIMARY)		
SUM6-10	Remove	0	3	SUM6-10 (200A BUSHING CAP)		
SUM6-1C 3 PH	Remove	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
SUM5024P	Existing	1	15	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		

Remarks:

Structure: 012 PM 9549

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
4/0 CONC	Install	3	690	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUG17A-75	Install	0	1	SUG17A-75 (XFMR, PM, 75 KVA, 3 PH, LOOP)		
SUM1B	Install	0	1	SUM1B (CONCRETE PAD 3 PH XFMR)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM5014H	Install	1	690	SUM5014H - Conduit ((1) 4" HDPE CONDUIT)		
SUM5024P	Install	1	10	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUME490F3	Install	0	2	SUME490F3 (4" FG 90 36")		
SUME490F3	Install	0	2	SUME490F3 (4" FG 90 36")		
SUME490F3	Install	0	1	SUME490F3 (4" FG 90 36")		

Remarks: -690' IS COMMON TRENCH TO SC 925.
-SUM5024P-10' PVC FOR SVC.

Structure: 013 PM 0450

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
4/0 CONC	Install	3	285	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUG17A-150	Install	0	1	XFMR, PM, 150 KVA, 3 PH, LOOP		
SUM1B	Install	0	1	SUM1B (CONCRETE PAD 3 PH XFMR)		
SUM5024H	Install	1	285	SUM5024H - Conduit ((2) 4" HDPE CONDUIT)		
SUM6-10	Install	0	3	SUM6-10 (200A BUSHING CAP)		
SUM6-15	Install	0	3	SUM6-15 (200A PARKING STAND)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUME490F3	Install	0	3	SUME490F3 (4" FG 90 36")		
SUME490F4	Install	0	4	SUME490F4 (4" FG 90 48")		
SUME490P2	Install	0	3	SUME490P2 (4" PVC 90 24")		
SUR2-5	Install	1	38	SUR2-5 (PRIMARY TRENCH)		

Remarks: -233' IS COMMON TRENCH TO SC 925.
-ESTABLISH NORMAL OPEN TO PM 9549.

Structure: 014 SC 1203

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
4/0 CONC	Install	3	48	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
SUM5014H	Install	1	48	SUM5014H - Conduit ((1) 4" HDPE CONDUIT)		
SUME490F4	Install	0	2	SUME490F4 (4" FG 90 48")		

Remarks:

Structure: 015 SC 925

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUM6-36A	Install	0	1	SUM6-36A (FUSE, S&C END FITTING SML-20)		

Remarks:

Structure: 016 PM 7749

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	310	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SUG7-25	Install	0	1	SUG7-25 (XFMR, PM, 25 KVA, 1 PH, LOOP)		

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 016 PM 7749

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM1	Install	0	1	SUM1 (CONCRETE PAD 1 PH XFMR)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM5022H	Install	1	310	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		

Remarks: -310' IS COMMON TRENCH TO SC 925.

Structure: 016A SRV POLE

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
2/0 RIBB Secondary	Install	1	30	2/0 3-WIRE SERVIC		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUK7-LH	Install	0	1	OH-UG SERVICE GUTTER - LH		
SUM5012H	Install	1	30	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUME290S3	Install	0	1	SUME290S3 (2" RSC 90 36")		
SUR2-5	Install	1	20	SUR2-5 (PRIMARY TRENCH)		
XSUM8	Install	0	1	XSUM8 (SERVICE CONVERSION)		
2 TPX Service	Remove	1	22	2 TPX OH SERVICE CONDUCTOR		
J11	Remove	0	1	J11 (SECONDARY DEADEND)		
SK16	Remove	0	1	SK16 (SERVICE ASSY.)		
POLE35/5	Existing	0	1	POLE35/5 (POLE, 035 CLASS 5)		

Remarks:

Structure: 017 PM 9849

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	500	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SUG6-25	Install	0	1	SUG6-25 (XFMR, PM, 25 KVA, 1 PH, RADIAL)		
SUM1	Install	0	1	SUM1 (CONCRETE PAD 1 PH XFMR)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM5022H	Install	1	500	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
SUME290S3	Install	0	2	SUME290S3 (2" RSC 90 36")		

Remarks: -500' IS COMMON TRENCH TO SC 925.

Structure: 018 SC 925

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUM6-36A	Install	0	1	SUM6-36A (FUSE, S&C END FITTING SML-20)		

Remarks:

Structure: 019 POLE 7450

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	170	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	15	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SM5-9PC	Install	0	1	CUTOUT ASSEMBLY SOLID BLADE POLE MT		
SUM5012SR	Install	0	1	FIRST 10FT SPARE EMPTY 2" S RISER		
SUM5022H	Install	1	170	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUME290S3	Install	0	2	SUME290S3 (2" RSC 90 36")		

Remarks: -155' IS COMMON TRENCH TO SC 925.
-RETURN TO SC 1203-

Structure: 020 SC 1204

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	360	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
SHUR2-6	Install	1	40	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
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	360	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 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)		

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 020 SC 1204

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME290S3	Install	0	1	SUME290S3 (2" RSC 90 36")		
SUME645F5	Install	0	4	SUME645F5 (6" FG 45 60")		
SUR2-6	Install	1	320	SUR2-6 (PRIMARY TRENCH)		
SURCP	Install	1	10	SURCP (PARKING LOT CROSSING)		

Remarks:

Structure: 021 POLE 0362

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-6	Install	1	25	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
1/0 CONC	Remove	1	25	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SM5-9B	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT		
SUA2	Remove	0	1	SUA2 (PRI RISER ON 3 PH OH LINE)		
SUM6-25C 1 PH	Remove	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		

Remarks: -HAND DIG TRENCH TO EXPOSE EXISTING CABLE BETWEEN POLE 0362 AND SC 1204, REMOVE EXISTING RISER WITH CABLE FROM THE POLE 0362 CABLE LAY IN SC 1204 AND TERMINATE IN THE SC 1204.

Structure: 022 PM 1254

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

Remarks:

Structure: 023 SC 1205

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	295	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	100	BORE		
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	295	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 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)		
SUM6-36A	Install	0	1	SUM6-36A (FUSE, S&C END FITTING SML-20)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUR2-6	Install	1	135	SUR2-6 (PRIMARY TRENCH)		
SURS-ST	Install	1	60	SURS-ST (VERY DEEP SANDED PRIMARY TRENC)		

Remarks:

Structure: 024 PM 0269

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	140	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SUG6-25	Install	0	1	SUG6-25 (XFMR, PM, 25 KVA, 1 PH, RADIAL)		
SUM1	Install	0	1	SUM1 (CONCRETE PAD 1 PH XFMR)		
SUM5022H	Install	1	140	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		

Remarks: 140' IS COMMON TRENCH TO SC 1205.

Structure: 025 POLE 0367

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
2/0 RIBB Secondary	Install	1	20	2/0 3-WIRE SERVIE		
SHUR2-5	Install	1	20	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5	Install	0	1	SUM5 (SECONDARY RISER)		

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	Checker	_____	Date	___/___/___
	Manager/Supervisor	_____	Date	___/___/___

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 025 POLE 0367

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM5012H	Install	1	20	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUME290S3	Install	0	1	SUME290S3 (2" RSC 90 36")		

Remarks: -RETURN TO SC 1205.-

Structure: 026 PM 0574

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	25	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	15	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5012H	Install	1	25	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
SUM6-1C 1 PH	Remove	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		

Remarks: -10' IS COMMON TRENCH TO SC 1207.
-RETURN TO SC 1205.-

Structure: 027 POLE 0374

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	30	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	20	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SM5-9PB	Install	0	1	CUTOUT ASSEMBLY LOAD BREAK POLE MT		
SUA3	Install	0	1	SUA3 (PRI RISER 1 PH UNDRGRND SOURCE)		
SUM5012SR	Install	0	1	FIRST 10FT SPARE EMPTY 2" S RISER		
SUM5022H	Install	1	30	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUME290S3	Install	0	2	SUME290S3 (2" RSC 90 36")		
SUM6-25C 1 PH	Remove	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
2 CONC 1 PH	Abandon	1	90	2 CONC Wire 1 PH (#2 CONCENTRIC PRIMARY)		

Remarks: -10' IS COMMON TRENCH TO SC 1206.
-RETURN TO SC 1205.-

Structure: 028 PM 0385

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	325	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5012H	Install	1	220	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUM5012H	Install	1	100	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUM5012H	Install	1	55	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUM5022H	Install	1	325	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
SUM6-1C 1 PH	Remove	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		

Remarks: -iINSTALL SUM5012H-220' BETWEEN PM 0385 AND PED 6
-INSTALL SUM5012H-100' BETWEEN PM 0385 AND PED 5
-INSTALL SUM5012H-55' BETWEEN PM 0385 AND PED 4.
-315' IS COMMON TRENCH TO SC 1206.

Structure: 029 A20

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	5	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SM5-9B	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT		
SUA2	Remove	0	1	SUA2 (PRI RISER ON 3 PH OH LINE)		
SUM6-25C 1 PH	Remove	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
1/0 CONC	Abandon	1	105	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		

Remarks: -REMOVE EXISTING RISER AND CABLE FROM
POLE A20. ABANDON EXISTING CABLE BETWEEN
POLE A20 AND PM 0385.
-RETURN TO SC 1205.-

Structure: 030 SC 1206

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	570	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	200	BORE		
BORE	Install	1	100	BORE		
SHUR2-6	Install	1	30	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
SUM1F	Install	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM3-9	Install	0	1	SUM3-9 (600 A SC 2 FUSES 2 SWITCHES)		

Chugach Electric Association
5601 Electron Drive
Anchorage, AK 99518

Designer/Project Engineer _____ Date ____/____/____
Checker _____ Date ____/____/____
Manager/Supervisor _____ Date ____/____/____

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 030 SC 1206

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM5026H	Install	1	570	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 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)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME290S3	Install	0	1	SUME290S3 (2" RSC 90 36")		
SUME645F5	Install	0	6	SUME645F5 (6" FG 45 60")		
SUR2-6	Install	1	240	SUR2-6 (PRIMARY TRENCH)		
SURCP	Install	1	20	SURCP (PARKING LOT CROSSING)		

Remarks:

Structure: 031 POLE 0389

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	5	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
1/0 CONC	Remove	1	120	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SUA2	Remove	0	1	SUA2 (PRI RISER ON 3 PH OH LINE)		
SUM6-25C 1 PH	Remove	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUME290S3	Remove	0	1	SUME290S3 (2" RSC 90 36")		
SUM5012H	Abandon	1	120	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		

Remarks: -HAND DIG TRENCH FOR EXPOSE EXISTING CONDUIT WITH CABLE BY THE POLE 0389, REMOVE RISER AND CABLE FROM THE POLE 0389 AND PULL OUT 1/0 CONC FROM POLE 0389 TO SC 1206 AND TERMINATE CABLE TO THE SC 1206.

Structure: 032 PM 0395

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

Remarks:

Structure: 033 SC 1207

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	275	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	255	BORE		
SHUR2-6	Install	1	20	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
SUM1F	Install	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM3-11	Install	0	1	SUM3-11 (600 A SC 1 FUSE 3 SWITCHES)		
SUM5026H	Install	1	275	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 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)		
SUM6-25F 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)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F5	Install	0	6	SUME645F5 (6" FG 45 60")		

Remarks: -SUME645F5 ARE CALLED OUT FOR HORIZONTAL RUN.

Structure: 034 POLE 9302

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
3-DEADEND HOT	Install	0	1	3-DEADEND HOT (3-DEADEND HOT)		
750 CONC 15KV	Install	3	355	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	230	BORE		
BORE	Install	1	115	BORE		
HOT 3 INSERT	Install	0	1	HOT 3 INSERT (HOT 3 INSERT (TASK ORDER ONLY))		
POLE45/1	Install	0	1	POLE45/1 (POLE, 045 CLASS 1)		
SC7A-1	Install	0	1	SC7A-1 (XARM SINGLE DEADEND)		

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Designer/Project Engineer _____ Date ____/____/____
Checker _____ Date ____/____/____
Manager/Supervisor _____ Date ____/____/____

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 034 POLE 9302

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SE15	Install	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Install	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF-3.5 EXT	Install	0	2	ANCHOR EXTENSION 3.5' - 1 1/2" SQ ROD		
SF-3S	Install	0	1	SF-3S (ANCHOR, 3 HELIX)		
SF-3S	Install	0	1	SF-3S (ANCHOR, 3 HELIX)		
SF-7 EXT	Install	0	2	ANCHOR EXTENSION 7' - 1 1/2" SQ Rod		
SHUR2-6	Install	1	20	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
SUC3	Install	0	1	SUC3 (PRI RISER)		
SUM5016FR	Install	0	1	FIRST 10FT SPARE EMPTY 6" FG RISER		
SUM5026H	Install	1	355	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25F 3 PH	Install	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME690F4	Install	0	1	SUME690F4 (6" FG 90D 48"R)		
SUME690F4	Install	0	1	SUME690F4 (6" FG 90D 48"R)		
SUME690F5	Install	0	2	SUME690F5 (6" FG 90 60")		
4/0 ACSR	Remove	3	217	4/0 ACSR (OH PRIMARY CONDUCTOR)		
4/0 ACSR NEUTRAL	Remove	1	217	WIRE, ACSR #4/0 NEUTRAL		

Remarks: -INSERT NEW POLE 9302 7' DEEP, 72' EAST FROM EXISTING POLE 0190.
 -BORE-115' BETWEEN SC 1207 AND POLE 0301.
 -BORE-230' BETWEEN POLE 0301 AND NEW POLE 9302.
 -SUME690F5 ARE CALLED OUT FOR HORIZONTAL RUN.
 -REMOVE 4/0 ACSR-217' FROM POLE 0301 TO POLE 9302.

Structure: 035 PM 0305

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	10	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5012H	Install	1	10	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
6/2 UF	Remove	1	115	#6 DB 2 WIRE STREETLIGHT CNDCT		
SUM6-1C 1 PH	Remove	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
SUM5012H	Abandon	1	115	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		

Remarks:

Structure: 036 POLE 0311

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
1/0 CONC	Remove	1	135	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
CUTOUT	Remove	0	1	CUTOUT BUTTON\65K (CUTOUT BUTTON 65K)		
SUA2	Remove	0	1	SUA2 (PRI RISER ON 3 PH OH LINE)		
SUM6-25C 1 PH	Remove	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUME290S3	Remove	0	1	SUME290S3 (2" RSC 90 36")		
SUM5012H	Abandon	1	135	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		

Remarks: - HAND DIG TRENCH TO EXPOSE EXISTING CONDUIT AND CABLE BY THE POLE 0311, REMOVE RISER AND CABLE FROM POLE 0311, PULL OUT 1/0 CONC FROM POLE 0311 TO PM 0305.
 -RETURN TO SC 1207.-

Structure: 037 SC 1208

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	500	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	450	BORE		
SHUR2-6	Install	1	50	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
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	500	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
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)		
SUM6-36A	Install	0	1	SUM6-36A (FUSE, S&C END FITTING SML-20)		
SUM6-4EL	Install	0	1	3-PH UG CURRNT RESET FI, 600A TRIP		
SUME445F4	Install	0	2	SUME445F4 (4" FG 45 48")		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		

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Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 037 SC 1208

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		

Remarks:

Structure: 038 SPL. POINT

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
2 CONC 3 PH	Install	3	10	2 CONC Wire 3 PH (#2 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5012H	Install	1	10	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUM5024H	Install	1	10	SUM5024H - Conduit ((2) 4" HDPE CONDUIT)		
SUM6-28A 3 PH	Install	0	1	SUM6-28A (#2 PRIMARY SPLICE)		
SUME445F4	Install	0	2	SUME445F4 (4" FG 45 48")		
2 CONC 3 PH	Existing	3	125	2 CONC Wire 3 PH (#2 CONCENTRIC PRIMARY)		

Remarks:

Structure: 038A PM 1

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

Remarks:

Structure: 039 POLE A15

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	5	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SM5-9B 3 PH	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT 3 PH		
SUC1	Remove	0	1	SUC1 (PRI RISER)		
SUM6-25D 3 PH	Remove	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		
2 CONC 3 PH	Abandon	3	80	2 CONC Wire 3 PH (#2 CONCENTRIC PRIMARY)		

Remarks: -REMOVE EXISTING RISER AND CABLE FROM POLE A15, EXISTING CABLE ABANDON TO PM 1.
-RETURN TO SC 1208.

Structure: 040 PM 0419

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	165	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5012H	Install	1	165	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
SUM6-1C 1 PH	Remove	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		

Remarks: 155' IS COMMON TRENCH TO SC 1208.

Structure: 041 POLE 0319

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SL5-AA	Remove	0	1	SL5-AA (STREET LIGHT, 150 WATT HPS)		
SM5-9B	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT		
SUA2	Remove	0	1	SUA2 (PRI RISER ON 3 PH OH LINE)		
SUM6-25A 1 PH	Remove	0	1	SUM6-25A (#2 PRIMARY TERMINATION)		
2 CONC 1 PH	Abandon	1	15	2 CONC Wire 1 PH (#2 CONCENTRIC PRIMARY)		

Remarks: -REMOVE EXISTING RISER , STREET LIGHT AND CABLE FROM POLE 0319, ABANDON EXISTING CABLE TO PM 0419.

Structure: 042 ST. LT1

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
6/2 UF	Install	1	20	#6 DB 2 WIRE STREETLIGHT CNDCT		
SHUR2-5	Install	1	20	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SL5A	Install	0	1	SL5A (STREET LIGHT ASSY)		
SUM5011.5H	Install	1	20	(1) 1.5" HDPE CONDUIT		

Remarks: - RETURN TO SC 1208. -

Structure: 043 SC 1209

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	340	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	100	BORE		

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 043 SC 1209

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-6	Install	1	20	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
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	340	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
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)		
SUM6-36A	Install	0	1	SUM6-36A (FUSE, S&C END FITTING SML-20)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME445F4	Install	0	2	SUME445F4 (4" FG 45 48")		
SUME645F5	Install	0	4	SUME645F5 (6" FG 45 60")		
SUR2-6	Install	1	180	SUR2-6 (PRIMARY TRENCH)		
SURS-ST	Install	1	40	SURS-ST (VERY DEEP SANDED PRIMARY TRENCH)		

Remarks:

Structure: 044 POLE 0337

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	20	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5024P	Install	1	20	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		
SM5-9B 3 PH	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT 3 PH		
SUC1	Remove	0	1	SUC1 (PRI RISER)		
SUM5014FR	Remove	0	1	FIRST 10FT SPARE EMPTY 4" FG RISER		
SUM6-25D 3 PH	Remove	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		
SUME490F4	Remove	0	2	SUME490F4 (4" FG 90 48")		

Remarks: -HAND DIG TO EXPOSE EXISTING CONDUITS BY THE POLE 0337, REMOVE: EXISTING RISER, CONDUIT ELBOWS AND 4/0 SHLD FROM PM 8944 TO POLE 0337.
 -CLEAN EXISTING CONDUITS AND SPLICE WITH NEW CONDUITS TO NEW SC 1209.
 -PULL IN 4/0 CONC BETWEEN PM 8944 AND SC 1209.

Structure: 045 PM 8944

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
4/0 CONC	Install	3	335	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
CLEAN CNDT	Install	1	315	CLEAN CNDT (MANDREL & SWAB)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
4/0 SHLD 3 PH	Remove	3	315	4/0 SHLD 3 PH PRIMARY		
SUM6-1D 3 PH	Remove	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUM5024P	Existing	1	315	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		

Remarks: -EXPOSE EXISTING CONDUITS,ELBOWS WITH CABLE BY THE POLE 0337, REMOVE EXISTING RISER AND 4/0 CONC FROM PM 8944 TO POLE 0337.
 - RETURN TO SC 1209. -

Structure: 046 PM 0445

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	255	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	40	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5012H	Install	1	255	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
SUM6-1C 1 PH	Remove	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		

Remarks: - 215' IS COMMON TRENCH TO SC 1210.

Structure: 047 POLE 0344

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	5	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SM5-9B	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT		
SUA2	Remove	0	1	SUA2 (PRI RISER ON 3 PH OH LINE)		
SUM6-25A 1 PH	Remove	0	1	SUM6-25A (#2 PRIMARY TERMINATION)		
2 CONC 1 PH	Abandon	1	70	2 CONC Wire 1 PH (#2 CONCENTRIC PRIMARY)		

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Remarks: -REMOVE EXISTING RISER AND CABLE FROM
POLE 0344, ABANDON EXISTING CABLE BETWEEN
POLE 0344 AND PM 0445.
- RETURN TO SC 1209. -

Structure: 048 SC 1210							
Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty	
750 CONC 15KV	Install	3	690	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)			
BORE	Install	1	100	BORE			
SHUR2-6	Install	1	50	SHUR2-6 (HAND DIGGING DEEP TRENCH)			
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)			
SUM5014P	Install	1	20	SUM5014P - Conduit ((1) 4" PVC CONDUIT)			
SUM5026H	Install	1	690	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)			
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)			
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 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)			
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP			
SUME445F4	Install	0	1	SUME445F4 (4" FG 45 48")			
SUME645F5	Install	0	4	SUME645F5 (6" FG 45 60")			
SUR2-6	Install	1	540	SUR2-6 (PRIMARY TRENCH)			

Remarks:

Structure: 049 POLE 0362							
Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty	
SHUR2-5	Install	1	20	SHUR2-5 (PRIMARY TRENCH HAND -DIG)			
SUM5014P	Install	1	40	SUM5014P - Conduit ((1) 4" PVC CONDUIT)			
SUME445F4	Install	0	2	SUME445F4 (4" FG 45 48")			
SM5-9B	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT			
SUA2	Remove	0	1	SUA2 (PRI RISER ON 3 PH OH LINE)			
SUM6-25C 1 PH	Remove	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)			
SUME490F4	Remove	0	1	SUME490F4 (4" FG 90 48")			

Remarks: -HAND DIG TRENCH TO EXPOSE EXISTING CONDUITS ON NORTH SIDE OF LAKEWOOD COURT,
CUT EXISTING CONDUIT AND PULL OUT CABLE, CLEAN CONDUIT AND SPLICE WITH NEW
CONDUIT TO SC 1210.

Structure: 050 PM 9160							
Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty	
1/0 CONC	Install	1	290	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)			
CLEAN CNDT	Install	1	250	CLEAN CNDT (MANDREL & SWAB)			
SHUR2-6	Install	1	20	SHUR2-6 (HAND DIGGING DEEP TRENCH)			
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)			
1/0 CONC	Remove	1	295	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)			
SUM6-1C 1 PH	Remove	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)			
SUM5014P	Abandon	1	45	SUM5014P - Conduit ((1) 4" PVC CONDUIT)			
SUM5014P	Existing	1	250	SUM5014P - Conduit ((1) 4" PVC CONDUIT)			

Remarks: . RETURN TO SC 1210. -

Structure: 051 PM 0454							
Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty	
1/0 CONC	Install	1	270	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)			
SHUR2-5	Install	1	45	SHUR2-5 (PRIMARY TRENCH HAND -DIG)			
SUM5022H	Install	1	270	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)			
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)			
SUM6-1C 1 PH	Remove	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)			

Remarks: -230' IS COMMON TRENCH TO SC 1210.

Structure: 052 POLE 0352							
Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty	
SHUR2-5	Install	1	5	SHUR2-5 (PRIMARY TRENCH HAND -DIG)			
SM5-9B	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT			
SUA2	Remove	0	1	SUA2 (PRI RISER ON 3 PH OH LINE)			
SUM6-25A 1 PH	Remove	0	1	SUM6-25A (#2 PRIMARY TERMINATION)			
2 CONC 1 PH	Abandon	1	70	2 CONC Wire 1 PH (#2 CONCENTRIC PRIMARY)			

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Designer/Project Engineer _____ Date ____/____/____
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Manager/Supervisor _____ Date ____/____/____

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Remarks: - REMOVE EXISTING RISER AND CABLE FROM POLE 0352, ABANDON EXISTING CABLE TO PM 0454.

Structure: 053 PM 2

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

Remarks: - RETURN TO SC 1210. -

Structure: 054 SC 1028

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	140	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
SHUR2-6	Install	1	10	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
SUM5026H	Install	1	140	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-25F 3 PH	Install	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUR2-6	Install	1	130	SUR2-6 (PRIMARY TRENCH)		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME645F5	Existing	0	2	SUME645F5 (6" FG 45 60")		

Remarks: -HAND DIG TO EXPOSE EXISTING CONDUITS AND ELBOWS BY THE SC 1028 TO POLE 0268, CUT AND PULL OUT EXISTING CABLE, SPLICE EXISTING ELBOWS WITH NEW CONDUIT TO SC 1028.

Structure: 055 POLE 0268

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
750 CONC 15KV	Remove	3	40	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
SUC3	Remove	0	1	SUC3 (PRI RISER)		
SUM5016FR	Remove	0	1	FIRST 10FT SPARE EMPTY 6" FG RISER		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME690F5	Remove	0	2	SUME690F5 (6" FG 90 60")		
SUM5026H	Abandon	1	40	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		

Remarks: -REMOVE EXISTING RISER AND EXISTING CABLE FROM POLE 0268, ABANDON EXISTING CONDUITS BETWEEN POLE 0268 AND SC 1028.
- RETURN TO SC 1028. -

Structure: 056 SC 1032

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	15	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM6-25D 3 PH	Install	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		
SUME445S4	Install	0	2	SUME445S4 (4" RSC 45 48")		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME645S5	Existing	0	2	SUME645S5 (6" RSC 45 60")		

Remarks:

Structure: 057 POLE 0220

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
CLEAN CNDT	Install	1	30	CLEAN CNDT (MANDREL & SWAB)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
750 CONC 15KV	Remove	3	60	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
SUC3	Remove	0	1	SUC3 (PRI RISER)		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME690F5	Remove	0	2	SUME690F5 (6" FG 90 60")		
SUM5026P	Abandon	1	30	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		
SUM5026P	Existing	1	30	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		

Remarks: -REMOVE EXISTING RISER AND CABLE FROM THE POLE 0220, PULL OUT CABLE FROM POLE 0220 TO SC 1032 AND ABANDON EXISTING CONDUITS-30' BETWEEN POLE 0220 AND SC 1032.

Structure: 058 POLE 0231

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SM5-9B 3 PH	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT 3 PH		
SUC1	Remove	0	1	SUC1 (PRI RISER)		
SUM5014FR	Remove	0	1	FIRST 10FT SPARE EMPTY 4" FG RISER		
SUM6-25D 3 PH	Remove	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		
SUME490F4	Remove	0	2	SUME490F4 (4" FG 90 48")		

Remarks:

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 059 SC 538

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
4/0 CONC	Install	3	350	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
CLEAN CNDT	Install	1	160	CLEAN CNDT (MANDREL & SWAB)		
CONCRETE	Install	0	1	CONCRETE (CONCRETE)		
SHUR2-6	Install	1	45	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
SUM5024H	Install	1	190	SUM5024H - Conduit ((2) 4" HDPE CONDUIT)		
SUM6-25D 3 PH	Install	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		
SUME445F4	Install	0	2	SUME445F4 (4" FG 45 48")		
SUME490F4	Install	0	2	SUME490F4 (4" FG 90 48")		
4/0 SHLD 3 PH	Remove	3	270	4/0 SHLD 3 PH PRIMARY		
SUM6-25D 3 PH	Remove	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		
SUM5024P	Abandon	1	110	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		
SUM5024P	Existing	1	160	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		

Remarks: -HAND DIG TO EXPOSE EXISING TWO CONDUITS ON EAST SIDE OF OLD SEWARD, CUT EXISTING CONDUITS AND SPLICE WITH NEW TWO CONDUITS THROUGH ELBOWS.
 -130' IS COMMON TRENCH TO SC 1211.
 - RETURN TO SC 1032. -

Structure: 060 SC 1211

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	510	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	335	BORE		
SHUR2-6	Install	1	10	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
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	480	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)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME445F4	Install	0	1	SUME445F4 (4" FG 45 48")		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F5	Install	0	2	SUME645F5 (6" FG 45 60")		
SUR2-6	Install	1	165	SUR2-6 (PRIMARY TRENCH)		

Remarks:

Structure: 061 POLE 0241

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUME445F4	Install	0	2	SUME445F4 (4" FG 45 48")		
SM5-9B 3 PH	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT 3 PH		
SUC1	Remove	0	1	SUC1 (PRI RISER)		
SUM6-25D 3 PH	Remove	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		
SUME490F4	Remove	0	2	SUME490F4 (4" FG 90 48")		
4/0 CONC	Existing	3	195	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
SUM5024P	Existing	1	195	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		

Remarks: -HAND DIG TRENCH TO EXPOSE EXISTING CONDUITS BY THE POLE 0241, REMOVE RISER AND CONDUIT ELBOWS, CABLE FROM POLE 0241, LAY IN TRENCH 4/0 CONC TO SC 1211, TERMINATE CABLE IN SC 1211.

Structure: 062 SC 1212

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	395	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	300	BORE		
SUM1F	Install	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM1-GPA	Install	0	1	SUM1-GPA (GUARD POST W/SLEEVE)		
SUM3-9	Install	0	1	SUM3-9 (600 A SC 2 FUSES 2 SWITCHES)		
SUM5026H	Install	1	395	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)		

Chugach Electric Association
 5601 Electron Drive
 Anchorage, AK 99518

Designer/Project Engineer _____ Date ____/____/____
 Checker _____ Date ____/____/____
 Manager/Supervisor _____ Date ____/____/____

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 062 SC 1212

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
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)		
SUM6-36A	Install	0	1	SUM6-36A (FUSE, S&C END FITTING SML-20)		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME445F4	Install	0	1	SUME445F4 (4" FG 45 48")		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUME645F4	Install	0	1	SUME645F4 (6" FG 45D 48"R)		
SUR2-6	Install	1	95	SUR2-6 (PRIMARY TRENCH)		

Remarks:

Structure: 063 POLE 0251

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-6	Install	1	10	SHUR2-6 (HAND DIGGING DEEP TRENCH)		
SM5-9B	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT		
SM5-9B 3 PH	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT 3 PH		
SUC1A	Remove	0	1	SUC1A (THREE PHASE AND SINGLE PHASE TP)		
SUM5012SR	Remove	0	1	FIRST 10FT SPARE EMPTY 2" S RISER		
SUM5014FR	Remove	0	1	FIRST 10FT SPARE EMPTY 4" FG RISER		
SUM6-25C 1 PH	Remove	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		
SUM6-25D 3 PH	Remove	0	1	SUM6-25D (4/0 PRIMARY TERMINATION)		
SUME290S3	Remove	0	2	SUME290S3 (2" RSC 90 36")		
SUME490F4	Remove	0	2	SUME490F4 (4" FG 90 48")		

Remarks:

Structure: 064 PM 0556

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
4/0 CONC	Install	3	50	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
CLEAN CNDT	Install	1	25	CLEAN CNDT (MANDREL & SWAB)		
CURB	Install	0	10	CURB (CUT & REPLACE CONCRETE CURBS)		
SHUR2-5	Install	1	25	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5014P	Install	1	25	SUM5014P - Conduit ((1) 4" PVC CONDUIT)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUME490F4	Install	0	1	SUME490F4 (4" FG 90 48")		
SURCP	Install	1	25	SURCP (PARKING LOT CROSSING)		
4/0 CONC	Remove	3	115	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
SUM6-10	Remove	0	3	SUM6-10 (200A BUSHING CAP)		
SUM6-1D 3 PH	Remove	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUM5024P	Abandon	1	90	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		
SUM5014P	Existing	1	25	SUM5014P - Conduit ((1) 4" PVC CONDUIT)		
SUME490F3	Existing	0	2	SUME490F3 (4" FG 90 36")		

Remarks:

Structure: 065 PM 0939

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
4/0 CONC	Install	3	570	4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)		
CLEAN CNDT	Install	1	25	CLEAN CNDT (MANDREL & SWAB)		
CLEAN CNDT	Install	1	155	CLEAN CNDT (MANDREL & SWAB)		
SUM5014H	Install	1	390	SUM5014H - Conduit ((1) 4" HDPE CONDUIT)		
SUM6-15	Install	0	3	SUM6-15 (200A PARKING STAND)		
SUM6-1D 3 PH	Install	0	1	SUM6-1D (4/0 LB ELBOW TERMINATION)		
SUME445F4	Install	0	1	SUME445F4 (4" FG 45 48")		
SUME490F4	Install	0	1	SUME490F4 (4" FG 90 48")		
SUM5014P	Existing	1	25	SUM5014P - Conduit ((1) 4" PVC CONDUIT)		
SUM5024P	Existing	1	155	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		
SUM6-10	Existing	0	3	SUM6-10 (200A BUSHING CAP)		

Remarks:

- 375' IS COMMON TRENCH TO SC 1212.
- 15' IS COMMON TRENCH TO PM 0556.
- ESTABLISH NORMAL OPEN TO PM 0556.

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 066 REPEAT SC 1212

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM6-25C 1 PH	Install	0	1	SUM6-25C (1/0 PRIMARY TERMINATION)		

Remarks:

Structure: 067 PM 0352

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 CONC	Install	1	70	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5022H	Install	1	70	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		
SUM6-1C 1 PH	Install	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
1/0 CONC	Remove	1	25	1/0 CONC Wire (1/0 CONCENTRIC PRIMARY)		
SUM6-1C 1 PH	Remove	0	1	SUM6-1C (1/0 LB ELBOW TERMINATION-15KV)		
SUM5022H	Abandon	1	25	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		

Remarks: -60' IS COMMON TRENCH TO SC 1212.

Structure: 068 POLE 0273

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUC3	Remove	0	1	SUC3 (PRI RISER)		
SUM5016FR	Remove	0	1	FIRST 10FT SPARE EMPTY 6" FG RISER		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME690F5	Remove	0	2	SUME690F5 (6" FG 90 60")		

Remarks: -REMOVE EXISTING PRIMARY RISER AND CONDUIT ELBOWS FROM POLE 0273.

Structure: 069 V 0283

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
750 CONC 15KV	Install	3	740	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
BORE	Install	1	510	BORE		
CLEAN CNDT	Install	1	230	CLEAN CNDT (MANDREL & SWAB)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5026H	Install	1	510	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-28F 3 PH	Install	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		
750 CONC 15KV	Remove	3	230	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
SUM6-28F 3 PH	Remove	0	1	SUM6-28F (750 MCM PRIMARY SPLICE)		
SUM5026H	Existing	1	230	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		

Remarks: -WRAP ALL PRIMARY CABLE IN VAULT WITH 3-INCH ARC-PROOFING TAPE AT A 2/2-INCH OVERLAP (3-M OR PLYMOUTH).

Structure: 070 SC 135

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

Remarks: - RETURN TO POLE 0407. -

Structure: 071 POLE 0407

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SC7A-1	Remove	0	1	SC7A-1 (XARM SINGLE DEADEND)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7" CONCRETE)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7" CONCRETE)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 072 POLE 0409

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	35	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	35	336 ACSR Neutral		
SC9-2	Remove	0	1	SC9-2 (UNDERBUILD XARM LGCNDR)		
SG39-15	Remove	0	1	SG39-15 (XFMR, 1PH, 15 KVA, 3PH, TANGENT)		
SUM5	Remove	0	1	SUM5 (SECONDARY RISER)		
SUME290S3	Remove	0	1	SUME290S3 (2" RSC 90 36")		
2/0 RIBB Service	Existing	1	10	2/0 3-WIRE SERVICE		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Remarks: -REMOVE SECONDARY RISER AND CABLE FROM POLE 0409 AND LAY IN TRENCH TO PM 0409, TERMINATE CABLE IN PM 0409.

Structure: 073 POLE 0417

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	245	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	245	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 074 POLE 0423

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	180	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	180	336 ACSR Neutral		
SC7A-2	Remove	0	1	SC7A-2 (XARM SNGL 4-WIRE DEADEND)		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 074A REPEAT 9325

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	310	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	310	336 ACSR Neutral		

Remarks:

Structure: 075 POLE 0333

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	255	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	255	336 ACSR Neutral		
SC9-2	Remove	0	1	SC9-2 (UNDERBUILD XARM LGCNDR)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 076 POLE 0343

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	210	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	210	336 ACSR Neutral		
C8-3	Remove	0	1	C8-3 (XARM DBL.D.E. LARGE CNDCNDR)		
SM2-15	Remove	0	1	SM2-15 (GROUNDING ASSY. FOR AIR SWITCH)		
SM3-15	Remove	0	1	SM3-15 (AIR BREAK SWITCH)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 077 POLE 0350

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	210	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	210	336 ACSR Neutral		
SC9-2	Remove	0	1	SC9-2 (UNDERBUILD XARM LGCNDR)		
SC9-2	Remove	0	1	SC9-2 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 078 POLE 0550

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	60	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	60	336 ACSR Neutral		
POLE45/1	Remove	0	1	POLE45/1 (POLE, 045 CLASS 1)		
SC7A-1	Remove	0	1	SC7A-1 (XARM SINGLE DEADEND)		

Chugach Electric Association 5601 Electron Drive Anchorage, AK 99518	Designer/Project Engineer _____ Date ____/____/____ Checker _____ Date ____/____/____ Manager/Supervisor _____ Date ____/____/____
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Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 078 POLE 0550

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
SG312-150	Remove	0	1	SG312-150 (XFMR BANK,3PH,150 KVA)		
SUM5	Remove	0	1	SUM5 (SECONDARY RISER)		
SUM5014FR	Remove	0	1	FIRST 10FT SPARE EMPTY 4" FG RISER		
SUM5A	Remove	0	1	SECONDARY RISER-EXISTING STANDOFF		
SUME490F3	Remove	0	3	SUME490F3 (4" FG 90 36")		

Remarks:

Structure: 079 POLE 9750

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
336 ACSR	Remove	3	95	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	95	336 ACSR Neutral		
POLE45/3	Remove	0	1	POLE45/3 (POLE, 045 CLASS 3)		
SC9-2	Remove	0	1	SC9-2 (UNDERBUILD XARM LGCNDR)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE2-5 Material	Remove	0	1	SE2-5 (SPAN GUY, SINGLE, 16M)		
SE2-5 Material	Remove	0	1	SE2-5 (SPAN GUY, SINGLE, 16M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
SG39-25	Remove	0	1	SG39-25 (XFMR,1PH,25 KVA, 3PH, TANGENT)		
SUM5	Remove	0	1	SUM5 (SECONDARY RISER)		
SUME290S3	Remove	0	1	SUME290S3 (2" RSC 90 36")		

Remarks:

Structure: 080 POLE 9450

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	100	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	100	336 ACSR Neutral		
POLE45/3	Remove	0	1	POLE45/3 (POLE, 045 CLASS 3)		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
SG312-75	Remove	0	1	SG312-75 (XFMR BANK,3PH,75 KVA)		
SUM5	Remove	0	1	SUM5 (SECONDARY RISER)		
SUM5A	Remove	0	1	SECONDARY RISER-EXISTING STANDOFF		
SUME490F3	Remove	0	2	SUME490F3 (4" FG 90 36")		

Remarks:

Structure: 081 POLE 9150

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	70	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	70	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 082 POLE 8350

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	300	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	300	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 083 POLE 8050

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
336 ACSR	Remove	3	60	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	60	336 ACSR Neutral		
J11	Remove	0	1	J11 (SECONDARY DEADEND)		
POLE45/3	Remove	0	1	POLE45/3 (POLE, 045 CLASS 3)		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
SG39-15	Remove	0	1	SG39-15 (XFMR,1PH,15 KVA, 3PH, TANGENT)		

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 083 POLE 8050

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
SMRI	Remove	0	1	AMI Router 1		

Remarks:

Structure: 084 POLE 7450

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
336 ACSR	Remove	3	145	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	145	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
SM5-9B	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT		
POLE45/3	Existing	0	1	POLE45/3 (POLE, 045 CLASS 3)		

Remarks:

Structure: 085 POLE 7150

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
336 ACSR	Remove	3	70	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	70	336 ACSR Neutral		
SC7A-2	Remove	0	1	SC7A-2 (XARM SNGL 4-WIRE DEADEND)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
SUC3	Remove	0	1	SUC3 (PRI RISER)		
SUM5016FR	Remove	0	1	FIRST 10FT SPARE EMPTY 6" FG RISER		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME690S5	Remove	0	2	SUME690S5 (6" RSC 90 60")		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 086 REPEAT SC 925

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
750 CONC 15KV	Remove	3	90	750 CONC 15KV (WIRE, AL JCN 750MCM EPR)		
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUM5026P	Existing	1	90	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		

Remarks:

Structure: 087 POLE 0357

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
336 ACSR	Remove	3	225	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	225	336 ACSR Neutral		
SC9-2	Remove	0	1	SC9-2 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 088 REPEAT POLE 0362

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
336 ACSR	Remove	3	113	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	113	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 089 REPEAT POLE 0367

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
336 ACSR	Remove	3	150	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	150	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
SG312-75	Remove	0	1	SG312-75 (XFMR BANK,3PH,75 KVA)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 090 REPEAT POLE 0374

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
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Chugach Electric Association
5601 Electron Drive
Anchorage, AK 99518

Designer/Project Engineer _____ Date ____/____/____
 Checker _____ Date ____/____/____
 Manager/Supervisor _____ Date ____/____/____

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 090 REPEAT POLE 0374

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	165	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	165	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		
SA7A	Existing	0	1	SA7A (XARM SINGLE DEADEND)		

Remarks:

Structure: 091 REPEAT POLE A20

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	225	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	225	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 092 REPEAT POLE 0389

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	210	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	210	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 094 POLE 0301

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SHUR2-5	Install	1	5	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
336 ACSR	Remove	3	265	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	265	336 ACSR Neutral		
SC7-1	Remove	0	1	SC7-1 (XARM SINGLE DEADEND)		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
SM5-9B 3 PH	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT 3 PH		
SUM5	Remove	0	1	SUM5 (SECONDARY RISER)		
SUME290S3	Remove	0	1	SUME290S3 (2" RSC 90 36")		
XSL5AL 40 LED	Remove	0	1	150W HPS EQ		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 095 REPEAT POLE 0311

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM5A	Install	0	1	SECONDARY RISER-EXISTING STANDOFF		
336 ACSR	Remove	3	265	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	265	336 ACSR Neutral		
J11	Remove	0	1	J11 (SECONDARY DEADEND)		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 096 REPEAT POLE 0319

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	216	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	216	336 ACSR Neutral		
6 DPX	Remove	1	216	6 DPX Wire (STREETLIGHT CONDUCTOR)		
J11	Remove	0	1	J11 (SECONDARY DEADEND)		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE65/H1	Existing	0	1	POLE65/H1 (POLE, 065 CLASS H1)		

Remarks:

Structure: 097 REPEAT POLE A15

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	235	336 ACSR (OH PRIMARY CONDUCTOR)		

Chugach Electric Association 5601 Electron Drive Anchorage, AK 99518	Designer/Project Engineer _____ Date ____/____/____ Checker _____ Date ____/____/____ Manager/Supervisor _____ Date ____/____/____
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Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 097 REPEAT POLE A15

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR Neutral	Remove	1	235	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 098 REPEAT POLE 0337

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	250	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	250	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 099 REPEAT POLE 0344

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	195	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	195	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 100 REPEAT 0352

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	220	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	220	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 101 REPEAT 0362

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	250	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	250	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 102 REPEAT 0268

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	163	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	163	336 ACSR Neutral		
SC7A-1	Remove	0	1	SC7A-1 (XARM SINGLE DEADEND)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 103 POLE 0210

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SC7A-1	Remove	0	1	SC7A-1 (XARM SINGLE DEADEND)		
SE14	Remove	0	1	SE14 (DOWN GUY, DBL. 25M)		
SE14	Remove	0	1	SE14 (DOWN GUY, DBL. 25M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 104 REPEAT 0220

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	300	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	300	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		

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

Project: E2214120

Design: OLD SEWARD-O'MALLEY PH2

In Design

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO UG PHASE 2.

Grid:

Structure: 104 REPEAT 0220

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 105 REPEAT 0231

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	235	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	235	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 106 REPEAT 0241

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	260	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	260	336 ACSR Neutral		
C8	Remove	0	1	C8 (XARM DOUBLE DEADEND)		
SE2-5 Material	Remove	0	1	SE2-5 (SPAN GUY, SINGLE, 16M)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 107 POLE 0248

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	185	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	185	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 108 REPEAT 0251

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	105	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	105	336 ACSR Neutral		
SC9-1	Remove	0	1	SC9-1 (UNDERBUILD XARM LGCNDR)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 109 POLE 0360

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	250	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	250	336 ACSR Neutral		
SC9-2	Remove	0	1	SC9-2 (UNDERBUILD XARM LGCNDR)		
SE1-5	Remove	0	1	SE1-5 (DOWN GUY, SINGLE, 16M)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

Structure: 110 REPEAT 0273

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
336 ACSR	Remove	3	310	336 ACSR (OH PRIMARY CONDUCTOR)		
336 ACSR Neutral	Remove	1	310	336 ACSR Neutral		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Remove	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
SF7C	Remove	0	1	SF7C (ANCHOR, 7' CONCRETE)		
POLE60/H1	Existing	0	1	POLE60/H1 (POLE, 060 CLASS H1)		

Remarks:

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

MATERIAL ISSUE TICKET

Project : E2214120

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO U **In Design**

Work Request: E2214120

Capital Account: 10720/000/03/7665
 Reimbursible Account: / / /
 Retirement Account: 10880/326/03/7665

Design : OLD
 SEWARD-O'MALLE
 Y PH2

Description	Part Number	Quantity Orderd	Issued
Inventory			
GUY, ADAPTER GUY TRIPLEYE SQ SHAFT	000000036	4	_____
ARRESTER, SURGE 09KV	000000103	3	_____
POLE, BRACE CROSSARM 28" WOOD	000000314	1	_____
POLE, BRACE CROSSARM 60" WOOD	000000315	2	_____
FASTENER, BRACKET CONDUIT STANDOFF	000000322	6	_____
FASTENER, BRACKET CONDUIT STANDOFF W/BRACE	000000323	2	_____
SWITCH, BRACKET CUTOOUT & TERM. POLE MT. 15KV	000000329	2	_____
WIRE, AL JCN 15KV #4/0	000000343	10,770	_____
WIRE, AL JCN 15KV #002 NOT STRAND F.	000000344	33	_____
WIRE, AL JCN 15KV 750MCM EPR	000000346	32,135	_____
WIRE, AL JCN 15KV #1/0	000000352	3,965	_____
WIRE, AL URD SERVICE #006-2 (SL)(CLAFLIN)	000000367	147	_____
WIRE, AL URD SVC #2/0 1 2/0 (CONVERSE)	000000373	165	_____
WIRE, CU SDB #0006 SOL	000000374	86	_____
WIRE, CU SDB #004 STR	000000375	80	_____
WIRE, CU SDB #02 STR	000000376	90	_____
WIRE, CU SDB #4/0 STR (19 STR.)	000000378	670	_____
DEAD-END, AUTO 12.5M/16M ALUMOWELD (7#87#9)	000000817	8	_____
DEAD-END, DE AUTO CLEVIS ACSR #1/0	000000825	1	_____
DEAD-END, DE AUTO CLEVIS ACSR #4/0	000000826	3	_____
DEAD-END, COMP D.E. ASS'Y 336 ACSR LINNET	000000834	4	_____
DEAD-END, PREFORM 16M ALUMOWELD (7#8)	000000874	8	_____
CLEVIS, THIMBLE 3/4" 40K	000000954	4	_____
ANCHOR, SHACKLE 7/8"	000000958	4	_____
CONNECTOR, CONNECTOR,SC EQUIPMENT GROUND,4/0 AWG	000001451	49	_____
LUG, COMP LUG AL 2H #1/0	000001509	17	_____
LUG, COMP LUG AL 2H #4/0	000001513	27	_____
LUG, COMP LUG AL 2H 750	000001515	96	_____
FASTENER, CLAMP GROUND ROD 3/4"	000001532	7	_____
FASTENER, CLAMP, GROUND ROD, 4/0 AWG	000001533	24	_____
LINE, CONN HOTLINE 477-6 ACSR	000001542	2	_____
LINE, WEDGE STIRRUP SHEAR-BOLT #02-#1/0	000001552	1	_____
CONNECTOR, CONNECTOR STUD DISCONNECT 1/0 - 4/0 ACSR	000001568	1	_____
CONNECTOR, UG CONN BLOCK XFMR NEUT 05/8" STUD SET SCREW	000001592	6	_____
CONNECTOR, UG CONN BLOCK XFMR SEC 6 POS SET SCREW	000001601	14	_____
POLE, CROSSARM DIST 08' 3 5/8" X 4 5/8"	000001616	4	_____
POLE, CROSSARM, GUYED DEADEND ASSY,8',3-WIRE	000001623	1	_____
SWITCH, CUTOOUT 07.8/13.8KV 100A LB	000001629	1	_____
FUSE, CUTOOUT BUTTON 065T	000001649	4	_____
FUSE, CUTOOUT BUTTON 100T	000001651	3	_____
FUSE, S&C 14.4 SMU-20 125E	000001705	11	_____
FUSE, S&C 14.4 SMU-20 040E	000001707	18	_____
FUSE, S&C 14.4 SMU-20 065E	000001708	4	_____
FUSE, S&C END FITTING SML-20	000001709	33	_____
CABINET, SWITCH PMH-09 (600A) 15KV	000002421	8	_____
CABINET, SWITCH PMH-11 (600A) 15KV	000002423	4	_____

Control Number _____

Legal Description _____

Charge for Materials Yes ___ No ___ Sale ___

P.O. No. _____

Issued By _____ Received By _____

Date ___/___/___

Contractor _____

Special Notes:

MATERIAL ISSUE TICKET

Project : E2214120

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO U **In Design**

Work Request: E2214120

Capital Account: 10720/000/03/7665
 Reimbursible Account: / / /
 Retirement Account: 10880/326/03/7665

Design : OLD
 SEWARD-O'MALLE
 Y PH2

Description	Part Number	Quantity Orderd	Issued
GUY, GUARD PLASTIC	0000002750	8	_____
DEAD-END, DE INSUL EPOX 08/15KV	0000003328	6	_____
LAMP, LUMINAIRE 54W LED	0000003437	1	_____
LAMP, HPS 150W	0000003439	1	_____
LAMP, PHOTOCELL	0000003446	1	_____
PAD, CONC. SUM1 1 PHASE XFMR PAD, J-BOX	0000003742	4	_____
PAD, CONC. SUM1-B 3 PHASE 75-750KVA	0000003743	2	_____
PAD, CONC. SUM1-F 600A SW CABINET 15KV	0000003746	12	_____
POLE, ST LT STEEL WITH 6' ARM	0000003862	1	_____
POLE, 040 CLASS 2	0000003864	1	_____
POLE, 045 CLASS 1	0000003866	1	_____
LINE, GROUND ROD 3/4" X 8'	0000004067	31	_____
CONDUIT, GRC 2"	0000004149	40	_____
CONDUIT, PVC 2"	0000004154	50	_____
CONDUIT, PVC 4"	0000004158	160	_____
CONDUIT, PVC 6"	0000004160	20	_____
CONDUIT, HDPE 2"	0000004161	5,599	_____
CONDUIT, GRC EL 90 DEG 2" 36" RADI	0000004165	10	_____
CONDUIT, FG EL 90 DEG 4" 36" RADI	0000004168	11	_____
CONDUIT, FG EL 90 DEGREE 4" 48" RADI	0000004169	10	_____
CONDUIT, GRC EL 90 DEG 6" 48" RADI	0000004172	4	_____
CONDUIT, FG EL 90 DEG 6" 60" RADI	0000004173	4	_____
CONDUIT, PVC EL 90 DEG 4" 24" RADI	0000004178	3	_____
CONDUIT, FG EL 45 DEGREE 4" 48" RADI	0000004183	20	_____
CONDUIT, FG EL 45 DEG 6" 60" RADI	0000004185	45	_____
PAD, CONC. GUARD POST 9'	0000004186	12	_____
CONDUIT, CLAMP GROUND 2"	0000004195	4	_____
CONDUIT, CHANNEL PIPE STRAP 2"	0000004240	12	_____
CONDUIT, CHANNEL PIPE STRAP 6"	0000004242	8	_____
KIT, PRIMARY SPLICE JACKET KIT #02-4/0	0000004506	3	_____
KIT, PRIMARY SPLICE 15KV #02-1/0 JCN	0000004508	3	_____
KIT, PRIMARY SPLICE 15KV 750MCM JCN	0000004513	6	_____
LINE, BRACKET CABLE SUPPORT	0000004646	102	_____
SWITCH, CUTOUT 07.8/13.8KV 300A SOLID BLADE	0000004731	1	_____
SWITCH, CUTOUT 07.8/13.8KV 300A BLADE ONLY SOLID	0000004732	1	_____
KIT, PRIMARY TERM 15KV #02-1/0 JCN	0000004767	17	_____
KIT, PRIMARY TERM 15KV 3/0-350MCM JCN	0000004772	27	_____
KIT, PRIMARY TERM 15KV 750MCM JCN	0000004773	96	_____
UG ACCES 08/15KV ELBOW TERM #1/0	0000004785	13	_____
UG ACCES 08/15KV ELBOW TERM #4/0 LB W/ADAPTER	0000004787	30	_____
BUSHING, UG ACCES 08/15KV INSERT BSHG CAP	0000004793	6	_____
TRANSFORMER, 0025 KVA PM 1/PH 07.2/12.4 120/240	0000004907	3	_____
TRANSFORMER, 0025 KVA PM 1/PH 07.2/12.4 240/480	0000004919	1	_____
TRANSFORMER, 0075 KVA PM 3/PH 07.2/12.4 120/208	0000004925	1	_____
TRANSFORMER, 0150 KVA PM 3/PH 07.2/12.4 120/208	0000004927	1	_____
GUY, WIRE GUY 16M ALUMOWELD (7#8)	0000005157	480	_____
BUSHING, UG ACCES 08/15KV PARKING STAND	0000005227	9	_____

Control Number _____

Legal Description _____

Charge for Materials Yes ___ No ___ Sale ___

P.O. No. _____

Issued By _____ Received By _____

Date ___/___/___

Contractor _____

Special Notes:

MATERIAL ISSUE TICKET

Project : E2214120

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO U **In Design**

Work Request: E2214120

Capital Account: 10720/000/03/7665
 Reimbursible Account: / / /
 Retirement Account: 10880/326/03/7665

Design : OLD
 SEWARD-O'MALLE
 Y PH2

Description	Part Number	Quantity Orderd	Issued
SHRINK, CABLE SEALER COLD SHRINK 2/0-1000 MCM	0000011586	30	_____
CONDUIT, HDPE 4"	0000011877	3,254	_____
CONDUIT, HDPE 6"	0000011888	17,523	_____
SHRINK, CABLE SEALER COLD SHRINK 2-4/0	0000012084	13	_____
WIRE, CU, COVERED TAP, #2	0000012097	10	_____
WIRE, CU, COVERED TAP, #4/0	0000012098	15	_____
CONDUIT, PLUG, BLANK 2"	0000012317	2	_____
CONDUIT, PLUG, TRIPLEX (350/750 CONC), 6" DUCT	0000012323	1	_____
DEAD-END, DE TEE 7/8"	0000012491	4	_____
CONDUIT, PLUG, BLANK, 6"	0000012526	2	_____
LINE, UG INDICATOR FAULT CURRENT RESET 600A TRIP (350-750 KCMIL)	0000013367	18	_____
ANCHOR, TRIPLE HELIX 8/10/12 1-1/2 X 7' SQ SHAFT	0000015054	4	_____
ANCHOR, ROD EXTENSION 1-1/2" X 3.5' SQ SHAFT	0000015055	4	_____
ANCHOR, ROD EXTENSION 1-1/2" X 7' SQ SHAFT	0000015056	4	_____
GUY, ATTACHMENT CONNECTING LINK, TWISTED	0000015244	8	_____
GUY, ATTACHMENT ROLLER	0000015246	8	_____
CONDUIT, HDPE 1-1/2"	0000015389	22	_____
PAD, CONC. GUARD POST COVER	0000015824	12	_____
Cable Rack, Stanchion, Underground Devices CR12-B	0000017446	8	_____
Cable Rack, 8", Underground Devices RA08	0000017447	8	_____
Pull Vault, Top Section, UV 675-TL-2-332P ((3,300 lbs.)	0000017448	1	_____
Pull Vault, Middle Section, UV 675-MLW (6,250 lbs.)	0000017449	1	_____
Pull Vault, Base, UV 675-BL (3,680 lbs.)	0000017450	1	_____
Concrete Anchor, 303 stainless steel, 1/2-13	0000017451	8	_____
Washer, 1-1/4 round, flat, 9/16" hole, 316 stainless	0000017452	8	_____
Bolt, Cap Screw, 1/2"-13 x 1-3/8, 316 stainless steel	0000017453	8	_____
CONDUIT, FG 6"	0000019880	30	_____
OH-UG METER BASE ADAPTER WIREWAY, L.H.	M33015	1	_____
CONDUIT, FIBERGLASS ELBOW 45 DEG 6" 48" RADIUS	M45670	22	_____

Non-Inventory

BLUE & GREEN CEA DECAL NON INV	0000010321	30	_____
CABLE BEDDING	0000010563	160	_____
CONN COMP H TAP SIZE AS REQ	0000010584	14	_____
PADLOCKS	0000010613	44	_____
WEDGE ANCHOR .5 X 2.75 NON-INV	0000010657	64	_____

Remarks:

Control Number _____

Legal Description _____

Charge for Materials Yes ___ No ___ Sale ___

P.O. No. _____

Issued By _____ Received By _____

Date ___/___/___

Contractor _____

Special Notes:

MATERIAL RETIREMENT TICKET

Project : E2214120
Work Request: E2214120

OLD SEWARDHWY.: DIMOND TO O'MALLEY OH TO U

In Design

Design : OLD

Capital Account: 10720/000/03/7665
Reimbursible Account: / / /
Retirement Account: 10880/326/03/7665

SEWARD-O'MALLEY
PH2

<u>Description</u>	<u>Part Number</u>	<u>Qty. Retired</u>	<u>Retired</u>
CUTOUT 07.8/13.8KV 100A LB	0000001629	48	_____
CUTOUT 07.8/13.8KV 100A	0000001633	2	_____
GROUND ROD 3/4" X 8'	0000004067	4	_____
15KV 600A S&C OMNI-RUPTER	0000004742	1	_____
0025 KVA D/B 07.2/12.4 120/240	0000004844	7	_____
0050 KVA D/B 07.2/12.4 120/240	0000004846	3	_____
0015 KVA D/B 07.2/12.4 120/240	0000016863	2	_____
AMI Router 1	0000019905	1	_____

Remarks:

Control Number _____

Legal Description _____

Charge for Materials Yes ___ No ___ Sale ___ P.O. No. _____

Issued By _____ Received By _____ Date ____/____/____

Contractor _____

Special Notes:

Brad Jackson

From: peoplesoft@chugachelectric.com
Sent: Saturday, April 29, 2023 10:35 AM
To: Vladimir Krivonosov
Cc: Warehouse Order Notification
Subject: SOUTH District / INOAC, ArcFM Designer Order Submitted: DSN9931_2

SOUTH District / INOAC, Order DSN9931_2 submitted on 29-APR-23 by VLADIMIR.

Account: 10720-000-03-7665

Project: E2214120-GENERAL

Number of Lines: 120

[Open Order in PeopleSoft](#)

Order	Line	Item	Qty	UOM	Descr
DSN9931_2	1	0000000036	4	EA	GUY, ADAPTER GUY TRIPLEYE SQ SHAFT
DSN9931_2	2	0000000103	3	EA	ARRESTER, SURGE 09KV
DSN9931_2	3	0000000314	1	EA	POLE, BRACE CROSSARM 28" WOOD
DSN9931_2	4	0000000315	2	EA	POLE, BRACE CROSSARM 60" WOOD
DSN9931_2	5	0000000322	6	EA	FASTENER, BRACKET CONDUIT STANDOFF
DSN9931_2	6	0000000323	2	EA	FASTENER, BRACKET CONDUIT STANDOFF W/BRACE
DSN9931_2	7	0000000329	2	EA	SWITCH, BRACKET CUTOUT & TERM. POLE MT. 15KV
DSN9931_2	8	0000000343	10770	EA	WIRE, AL JCN 15KV #4/0
DSN9931_2	9	0000000344	33	EA	WIRE, AL JCN 15KV #002 NOT STRAND F.
DSN9931_2	10	0000000346	32135	EA	WIRE, AL JCN 15KV 750MCM EPR
DSN9931_2	11	0000000352	3965	EA	WIRE, AL JCN 15KV #1/0
DSN9931_2	12	0000000367	147	EA	WIRE, AL URD SERVICE #006-2 (SL)(CLAFLIN)
DSN9931_2	13	0000000373	165	EA	WIRE, AL URD SVC #2/0 1 2/0 (CONVERSE)
DSN9931_2	14	0000000374	86	EA	WIRE, CU SDB #0006 SOL
DSN9931_2	15	0000000375	80	EA	WIRE, CU SDB #004 STR
DSN9931_2	16	0000000376	90	EA	WIRE, CU SDB #02 STR
DSN9931_2	17	0000000378	670	EA	WIRE, CU SDB #4/0 STR (19 STR.)
DSN9931_2	18	0000000817	8	EA	DEAD-END, AUTO 12.5M/16M ALUMOWELD (7#87#9)
DSN9931_2	19	0000000825	1	EA	DEAD-END, DE AUTO CLEVIS ACSR #1/0
DSN9931_2	20	0000000826	3	EA	DEAD-END, DE AUTO CLEVIS ACSR #4/0
DSN9931_2	21	0000000834	4	EA	DEAD-END, COMP D.E. ASS'Y 336 ACSR LINNET
DSN9931_2	22	0000000874	8	EA	DEAD-END, PREFORM 16M ALUMOWELD (7#8)
DSN9931_2	23	0000000954	4	EA	CLEVIS, THIMBLE 3/4" 40K
DSN9931_2	24	0000000958	4	EA	ANCHOR, SHACKLE 7/8"
DSN9931_2	25	0000001451	49	EA	CONNECTOR,SC EQUIPMENT GROUND,4/0 AWG
DSN9931_2	26	0000001509	17	EA	LUG, COMP LUG AL 2H #1/0

DSN9931_2	27	0000001513	27	EA	LUG, COMP LUG AL 2H #4/0
DSN9931_2	28	0000001515	96	EA	LUG, COMP LUG AL 2H 750
DSN9931_2	29	0000001532	7	EA	FASTENER, CLAMP GROUND ROD 3/4"
DSN9931_2	30	0000001533	24	EA	FASTENER, CLAMP, GROUND ROD, 4/0 AWG
DSN9931_2	31	0000001542	2	EA	LINE, CONN HOTLINE 477-6 ACSR
DSN9931_2	32	0000001552	1	EA	LINE, WEDGE STIRRUP SHEAR-BOLT #02-#1/0
DSN9931_2	33	0000001568	1	EA	CONNECTOR, CONNECTOR STUD DISCONNECT 1/0 - 4/0 ACS
DSN9931_2	34	0000001592	6	EA	CONNECTOR, UG CONN BLOCK XFMR NEUT 05/8" STUD SET
DSN9931_2	35	0000001601	14	EA	CONNECTOR, UG CONN BLOCK XFMR SEC 6 POS SET SCREW
DSN9931_2	36	0000001616	4	EA	POLE, CROSSARM DIST 08' 3 5/8" X 4 5/8"
DSN9931_2	37	0000001623	1	EA	POLE, CROSSARM, GUYED DEADEND ASSY,8',3-WIRE
DSN9931_2	38	0000001629	1	EA	SWITCH, CUTOOUT 07.8/13.8KV 100A LB
DSN9931_2	39	0000001649	4	EA	FUSE, CUTOOUT BUTTON 065T
DSN9931_2	40	0000001651	3	EA	FUSE, CUTOOUT BUTTON 100T
DSN9931_2	41	0000001705	11	EA	FUSE, S&C 14.4 SMU-20 125E
DSN9931_2	42	0000001707	18	EA	FUSE, S&C 14.4 SMU-20 040E
DSN9931_2	43	0000001708	4	EA	FUSE, S&C 14.4 SMU-20 065E
DSN9931_2	44	0000001709	33	EA	FUSE, S&C END FITTING SML-20
DSN9931_2	45	0000002421	8	EA	CABINET, SWITCH PMH-09 (600A) 15KV
DSN9931_2	46	0000002423	4	EA	CABINET, SWITCH PMH-11 (600A) 15KV
DSN9931_2	47	0000002750	8	EA	GUY, GUARD PLASTIC
DSN9931_2	48	0000003328	6	EA	DEAD-END, DE INSUL EPOX 08/15KV
DSN9931_2	49	0000003437	1	EA	LAMP, LUMINAIRE 54W LED (HWY)
DSN9931_2	50	0000003439	1	EA	LAMP, HPS 150W
DSN9931_2	51	0000003446	1	EA	LAMP, PHOTOCCELL
DSN9931_2	52	0000003742	4	EA	PAD, CONC. SUM1 1 PHASE XFMR PAD, J-BOX
DSN9931_2	53	0000003743	2	EA	PAD, CONC. SUM1-B 3 PHASE 75-750KVA
DSN9931_2	54	0000003746	12	EA	PAD, CONC. SUM1-F 600A SW CABINET 15KV
DSN9931_2	55	0000003862	1	EA	POLE, ST LT STEEL WITH 6' ARM
DSN9931_2	56	0000003864	1	EA	POLE, 040 CLASS 2
DSN9931_2	57	0000003866	1	EA	POLE, 045 CLASS 1
DSN9931_2	58	0000004067	31	EA	LINE, GROUND ROD 3/4" X 8'
DSN9931_2	59	0000004149	40	EA	CONDUIT, GRC 2"
DSN9931_2	60	0000004154	50	EA	CONDUIT, PVC 2"
DSN9931_2	61	0000004158	160	EA	CONDUIT, PVC 4"
DSN9931_2	62	0000004160	20	EA	CONDUIT, PVC 6"
DSN9931_2	63	0000004161	5599	EA	CONDUIT, HDPE 2"
DSN9931_2	64	0000004165	10	EA	CONDUIT, GRC EL 90 DEG 2" 36" RADI
DSN9931_2	65	0000004168	11	EA	CONDUIT, FIBERGLASS ELBOW 90 DEG 4" 36" RADIUS

DSN9931_2	66	0000004169	10	EA	CONDUIT, FIBERGLASS ELBOW 90 DEGREE 4" 48" RADIUS
DSN9931_2	67	0000004172	4	EA	CONDUIT, FIBERGLASS ELBOW 90 DEGREE 6" 48" RADIUS
DSN9931_2	68	0000004173	4	EA	CONDUIT, FIBERGLASS ELBOW 90 DEG 6" 60" RADIUS
DSN9931_2	69	0000004178	3	EA	CONDUIT, PVC EL 90 DEG 4" 24" RADI
DSN9931_2	70	0000004183	20	EA	CONDUIT, FIBERGLASS ELBOW 45 DEGREE 4" 48" RADIUS
DSN9931_2	71	0000004185	45	EA	CONDUIT, FIBERGLASS ELBOW 45 DEG 6" 60" RADI
DSN9931_2	72	0000004186	12	EA	PAD, CONC. GUARD POST 9'
DSN9931_2	73	0000004195	4	EA	CONDUIT, CLAMP GROUND 2"
DSN9931_2	74	0000004240	12	EA	CONDUIT, CHANNEL PIPE STRAP 2"
DSN9931_2	75	0000004242	8	EA	CONDUIT, CHANNEL PIPE STRAP 6"
DSN9931_2	76	0000004506	3	EA	KIT, PRIMARY SPLICE JACKET KIT #02-4/0
DSN9931_2	77	0000004508	3	EA	KIT, PRIMARY SPLICE 15KV #02-1/0 JCN
DSN9931_2	78	0000004513	6	EA	KIT, PRIMARY SPLICE 15KV 750MCM JCN
DSN9931_2	79	0000004646	102	EA	LINE, BRACKET CABLE SUPPORT P/N CS820
DSN9931_2	80	0000004731	1	EA	SWITCH, CUTOUT 07.8/13.8KV 300A SOLID BLADE
DSN9931_2	81	0000004732	1	EA	SWITCH, CUTOUT 07.8/13.8KV 300A BLADE ONLY SOLID
DSN9931_2	82	0000004767	17	EA	KIT, PRIMARY TERM 15KV #02-1/0 JCN
DSN9931_2	83	0000004772	27	EA	KIT, PRIMARY TERM 15KV 3/0-350MCM JCN
DSN9931_2	84	0000004773	96	EA	KIT, PRIMARY TERM 15KV 750MCM JCN
DSN9931_2	85	0000004785	13	EA	ELBOW, UG ACCES 08/15KV ELBOW TERM #1/0
DSN9931_2	86	0000004787	30	EA	ELBOW, UG ACCES 08/15KV ELBOW TERM #4/0 LB W/ADAPT
DSN9931_2	87	0000004793	6	EA	BUSHING, UG ACCES 08/15KV INSERT BSHG CAP
DSN9931_2	88	0000004907	3	EA	TRANSFORMER, 0025 KVA PM 1/PH 07.2/12.4 120/240
DSN9931_2	89	0000004919	1	EA	TRANSFORMER, 0025 KVA PM 1/PH 07.2/12.4 240/480
DSN9931_2	90	0000004925	1	EA	TRANSFORMER, 0075 KVA PM 3/PH 07.2/12.4 120/208
DSN9931_2	91	0000004927	1	EA	TRANSFORMER, 0150 KVA PM 3/PH 07.2/12.4 120/208
DSN9931_2	92	0000005157	480	EA	GUY, WIRE GUY 16M ALUMOWELD (7#8)
DSN9931_2	93	0000005227	9	EA	BUSHING, UG ACCES 08/15KV PARKING STAND
DSN9931_2	94	0000011586	30	EA	SHRINK, CABLE SEALER COLD SHRINK 2/0-1000 MCM
DSN9931_2	95	0000011877	3254	EA	CONDUIT, HDPE 4" (40 FT STICK)
DSN9931_2	96	0000011888	17523	EA	CONDUIT, HDPE 6" (40 FT STICK)
DSN9931_2	97	0000012084	13	EA	SHRINK, CABLE SEALER COLD SHRINK 2-4/0
DSN9931_2	98	0000012097	10	EA	WIRE, CU, COVERED TAP, #2
DSN9931_2	99	0000012098	15	EA	WIRE, CU, COVERED TAP, #4/0, 500' REELS.
DSN9931_2	100	0000012317	2	EA	CONDUIT, PLUG, BLANK 2"
DSN9931_2	101	0000012323	1	EA	CONDUIT, PLUG, TRIPLEX (350/750 CONC), 6" DUCT
DSN9931_2	102	0000012491	4	EA	DEAD-END, DE TEE 7/8"
DSN9931_2	103	0000012526	2	EA	CONDUIT, PLUG, BLANK, 6"
DSN9931_2	104	0000013367	18	EA	LINE, UG INDICATOR FAULT CURRENT RESET 600A TRIP (

DSN9931_2	105	0000015054	4	EA	ANCHOR, TRIPLE HELIX 8/10/12 1-1/2 X 7' SQ SHAFT
DSN9931_2	106	0000015055	4	EA	ANCHOR, ROD EXTENSION 1-1/2" X 3.5' SQ SHAFT
DSN9931_2	107	0000015056	4	EA	ANCHOR, ROD EXTENSION 1-1/2" X 7' SQ SHAFT
DSN9931_2	108	0000015244	8	EA	GUY, ATTACHMENT CONNECTING LINK, TWISTED
DSN9931_2	109	0000015246	8	EA	GUY, ATTACHMENT ROLLER
DSN9931_2	110	0000015389	22	EA	CONDUIT, HDPE 1-1/2"
DSN9931_2	111	0000015824	12	EA	PAD, CONC. GUARD POST COVER
DSN9931_2	112	0000017446	8	EA	FIBERGLASS CABLE SUPPORT STANCHION
DSN9931_2	113	0000017447	8	EA	FIBERGLASS CABLE SUPPORT ARMS
DSN9931_2	114	0000017448	1	EA	CONCRETE PULL BOX 675 COVER, HINGED DOOR STYLE, 3-
DSN9931_2	115	0000017449	1	EA	CONCRETE PULL BOX 675, VAULT, 3-PHASE FEEDER"H" VA
DSN9931_2	116	0000017450	1	EA	CONCRETE PULL BOX 675, BASE 3-PHASE
DSN9931_2	117	0000017451	8	EA	CONCRETE ANCHOR 1/2" "STAINLESS STEEL"
DSN9931_2	118	0000017452	8	EA	WASHER, CONCRETE ANCHOR 1/2" STAINLESS STEEL FLAT
DSN9931_2	119	0000017453	8	EA	BOLT, CONCRETE ANCHOR 1/2"
DSN9931_2	120	0000019880	30	EA	CONDUIT, FIBERGLASS 6" 10' LENGTHS