

PROPERTY OF ALASKA COMMUNICATIONS



District: CENTRAL
 Project No: 021-9325 PH1 2023
 Title: WWC CFAPT00465 TAXIWAY Z WEST
 Location Name: WEST WIRE CENTER
 Location Number: 1601
 Date of Estimate: 7/12/2023
 ESR#:
 User: wmckec9c

Total Cost and Contingency Fee
 Total Labor and Materials
 Construction Labor Hours Unit
 Costs Only \$
 Material Costs Only \$
 Line
 Splice
 Engineer/Cut Writer
 Inspection
 Permitting
 Material Pickup \$

ACS Unit	Billing Qty	RUS Unit Item No.	Line/Splice	Description of Work/Unit	Labor Hours	Unit BID Price	Unit Extd Price	All Material Price Total	Total Labor and Materials
325	8	BM90(90)(36)(4) P*	LINE	BURIED PIPE SWEEP (DEG)(RAD)(4 INCH) PVC					
65	1230	BFC100-24 (I) or (IE)	LINE	BURIED FILLED CABLE 100 PAIR PLACED IN A DUCT					
696	1	MATERIAL P/U*	LINE	PICK-UP MATERIALS FOR W/O (1 PER JOB)					
687	12	LINECREW W/EQUIP*	LINE	LABOR FOR ONE LINECREW (3 MAN) W/EQUIP					
81	2050	BFC200-24 (I) or (IE)	LINE	BURIED FILLED CABLE 200 PAIR PLACED IN A DUCT					
113	2050	BFC400-24 (I) or (IE)	LINE	BURIED FILLED CABLE 400 PAIR PLACED IN A DUCT					
169	5	BM2(5/8)(8)	LINE	HSNG GRND ROD ASSY, 5/8"X8' Copper Rod & Cad Weld &/or Rod Clamp					
216	15	BM60(4) (No-Restoration)	LINE	BURIED PIPE ASSEMBLY 4" (WITHOUT RESTORATION)					
844	5	UHC(30X48X36) 33,750 LB	LINE	HANDHOLE E/W EMS (Electronic Marker System) ("C"-Copper) (Dimensions of handhole)					
218	3240	BM60(4) T (VX1)	LINE	ONE 4" VACANT DUCTS SPECIFIED BY THE ENGINEER IN EXPLANATORY NOTES TO BE PL					
	1	XX BD	REMOVAL						
500	2	HBC(200)(24)	SPLICE	200 PAIRNON-FILLED SPLICE CASE					
513	1	HBF(400)(24)	SPLICE	400 PAIRBURIED FILLED SPLICE CASE					
548	200	HC3 (B)	SPLICE	CA SPL UNIT MODULAR (1 - 100) (BURIED)					
552	600	HC3>1 (B)	SPLICE	CA SPL UNIT MODULAR (101 - 200) (BURIED)					
556	400	HC3>2 (B)	SPLICE	CA SPL UNIT MODULAR (201 - 600) (BURIED)					
764	20	SPLICER W/O EQUIP*	SPLICE	LABOR FOR ONE SPLICER W/O EQUIPMENT					
498	2	HBC(100)(24)	SPLICE	100 PAIRNON-FILLED SPLICE CASE					

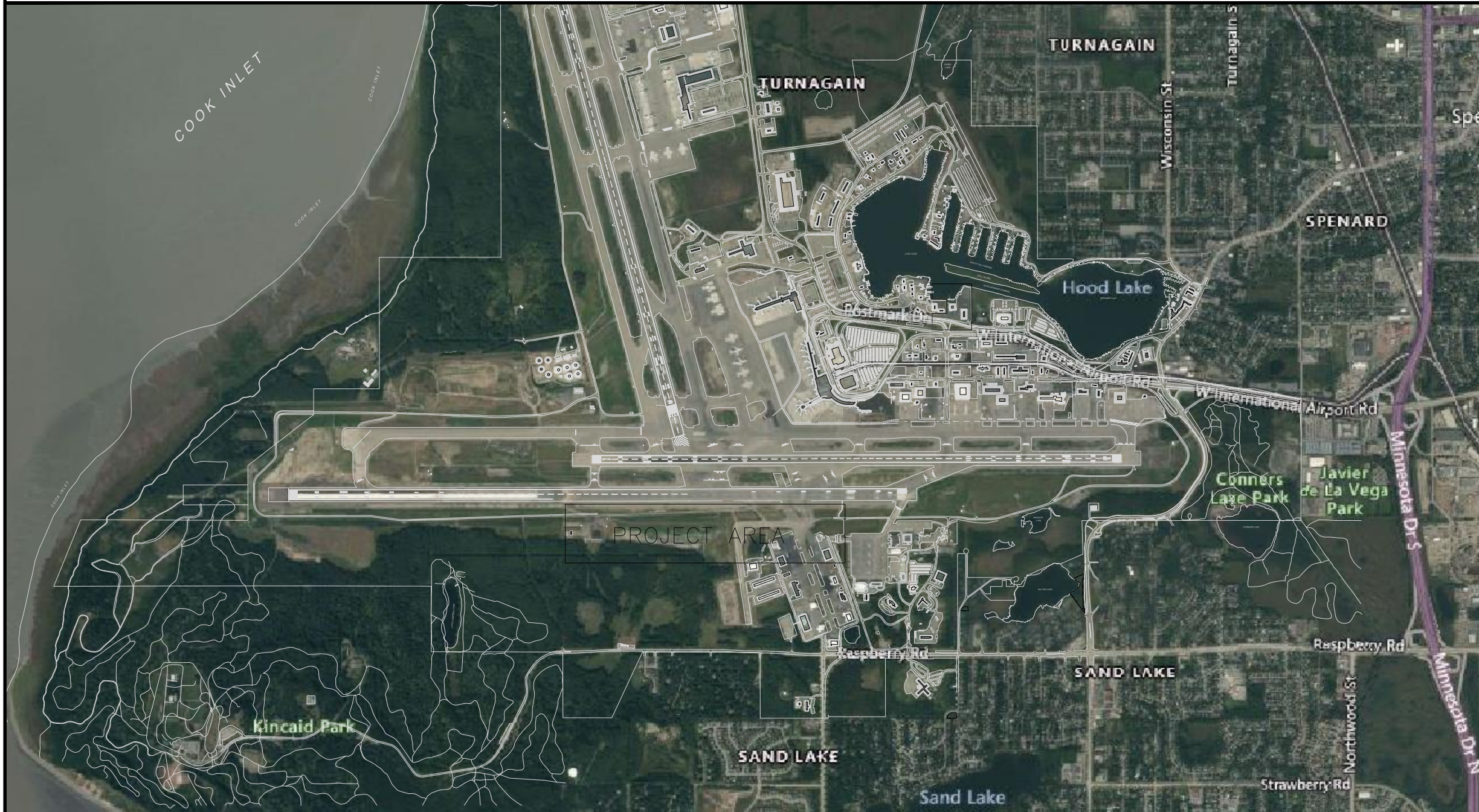
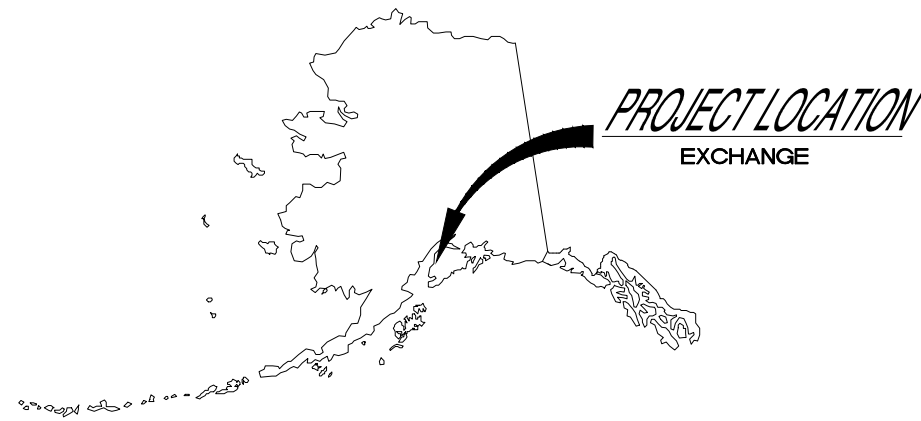


W.O. 021-9325

WWC CFAPT00465 TAXIWAY Z WEST

Known utility lines are shown in approximate locations only. All exact locations to be determined by the contractor during construction.

PHASE 1 2023 CONSTRUCTION SHEETS 5-8



Capital	Unit	Engineered	Project#
		0	021-9325 PH1 2023
LINE	BFC100-24 (I) or (IE)	1230	021-9325 PH1 2023
LINE	BFC200-24 (I) or (IE)	2050	021-9325 PH1 2023
LINE	BFC400-24 (I) or (IE)	2050	021-9325 PH1 2023
LINE	BM2(5/8)(8)	5	021-9325 PH1 2023
LINE	BM60(4) (No-Restoration)	15	021-9325 PH1 2023
LINE	BM60(4) T (VX1)	3240	021-9325 PH1 2023
LINE	BM90(90)(36)(4) P*	8	021-9325 PH1 2023
LINE	LINECREW W/EQUIP*	12	021-9325 PH1 2023
LINE	UHC(30X48X36) 33,750 LB	5	021-9325 PH1 2023
REMOVAL	XX BD	1	021-9325 PH1 2023
SPLICE	HBC(100)(24)	2	021-9325 PH1 2023
SPLICE	HBC(200)(24)	2	021-9325 PH1 2023
SPLICE	HBF(400)(24)	1	021-9325 PH1 2023
SPLICE	HC3 (B)	200	021-9325 PH1 2023
SPLICE	HC3>1 (B)	600	021-9325 PH1 2023
SPLICE	HC3>2 (B)	400	021-9325 PH1 2023
SPLICE	SPLICER W/O EQUIP*	20	021-9325 PH1 2023

GENERAL NOTES:

1. ALL EXISTING PLANT INFORMATION SHOWN IS FROM EXISTING RECORDS. NOTIFY ENGINEER OF ALL DISCREPANCIES FOUND, AND NOTE CHANGES ON PRINTS.
2. NOTIFY ENGINEER PRIOR TO MAKING ANY CHANGES TO WORK ORDER.

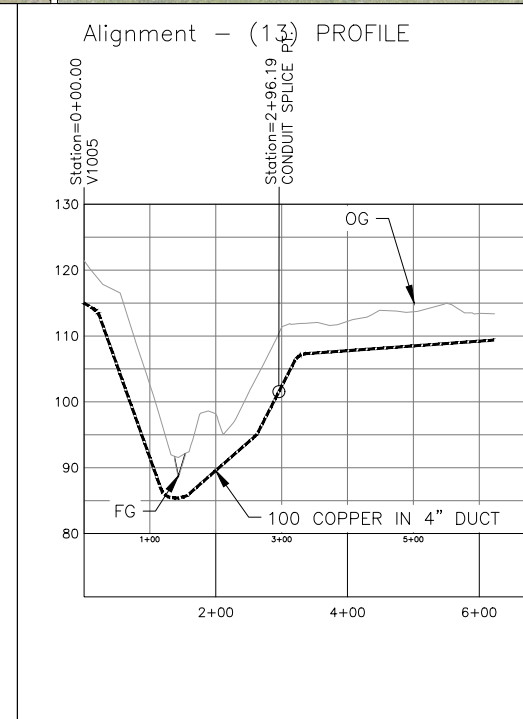
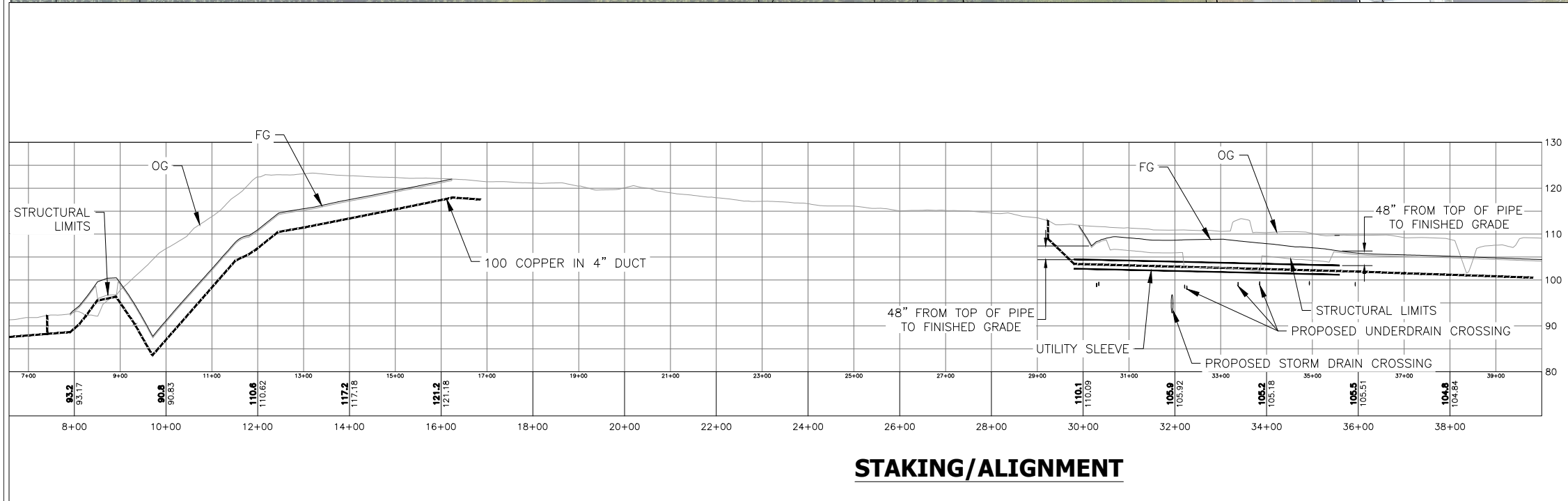
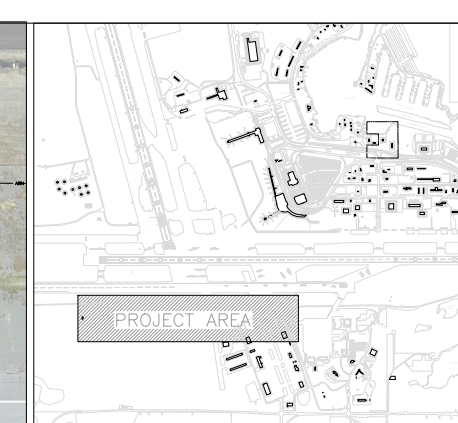
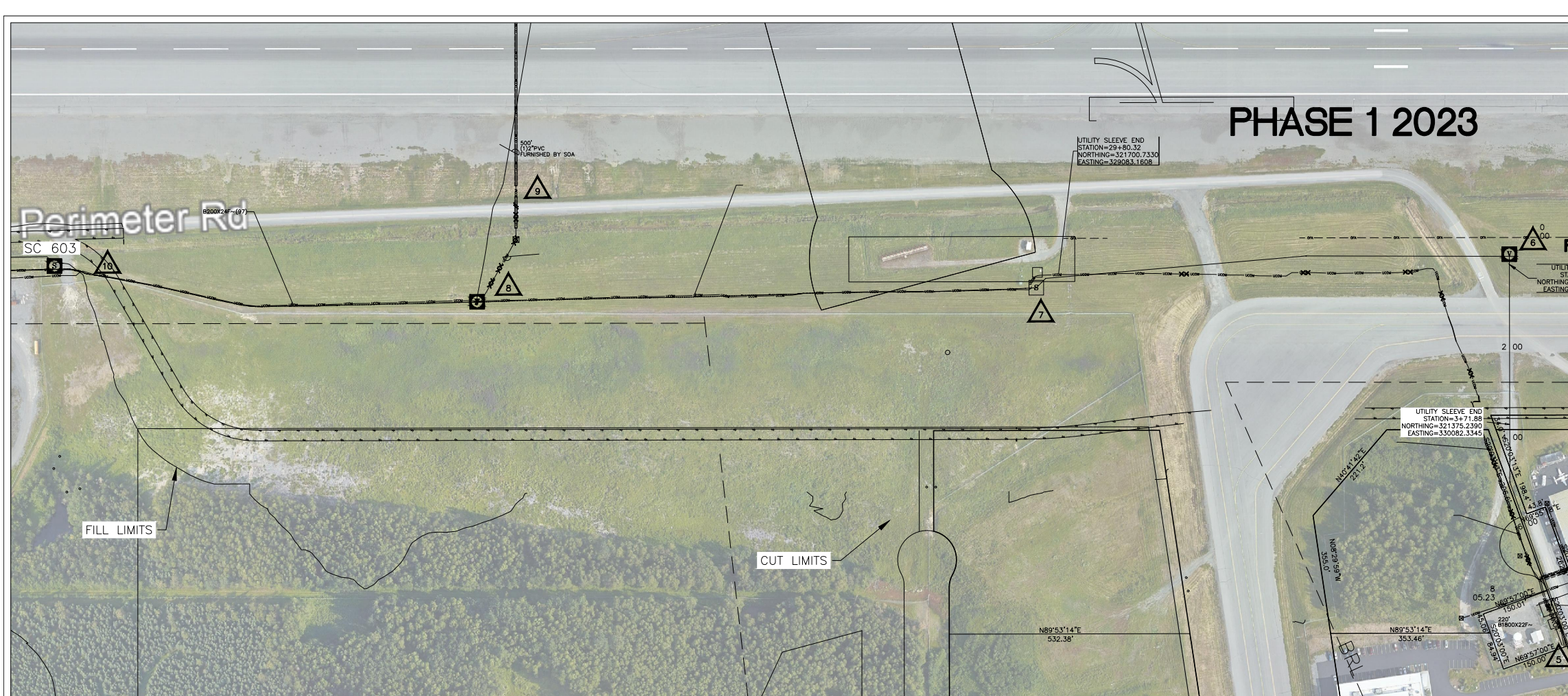
INDEX		
SHEET NO.	DESCRIPTION	LATEST ISSUE
1	TITLE SHEET, VACINITY MAPS, UNIT SUMMARY, INDEX	1
2-3	BORE PROFILES	1
4-5	PHASE 2 2024 CONSTRUCTION	
5-8	PHASE 1 2023 CONSTRUCTION	

CALL
CALL LOCATE: 1-800-478-3121
2 WORKING DAYS PRIOR TO CONSTRUCTION
FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP	RANGE	SECTION	DA#	EFRAP#
			EXCHANGE WWC/1601	S#
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	CAD# 021-9325 ACS TAXIWAY Z	
		REV.	ENGR/EXT: W. MCKECHNIE	
		REV.	DWN: WM	DATE:

HELD ORDER: YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>	PERMITS: YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>	CUTS REQ: YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>	PRESSURE: YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>
TITLE: WWC CFAPT00465 TAXIWAY Z WEST			WO# (2021)
BOROUGH/CNTY MOA			021-9325
SCALE: NTS	APR'D:	ISSUED:	SH. 1 OF 8 SHTS



NEW ACS
 30x48 HH
 UG CABLE/DUCT

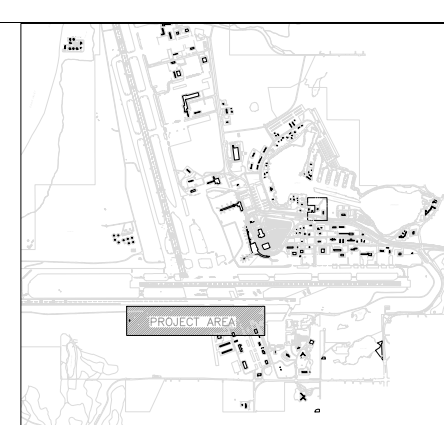
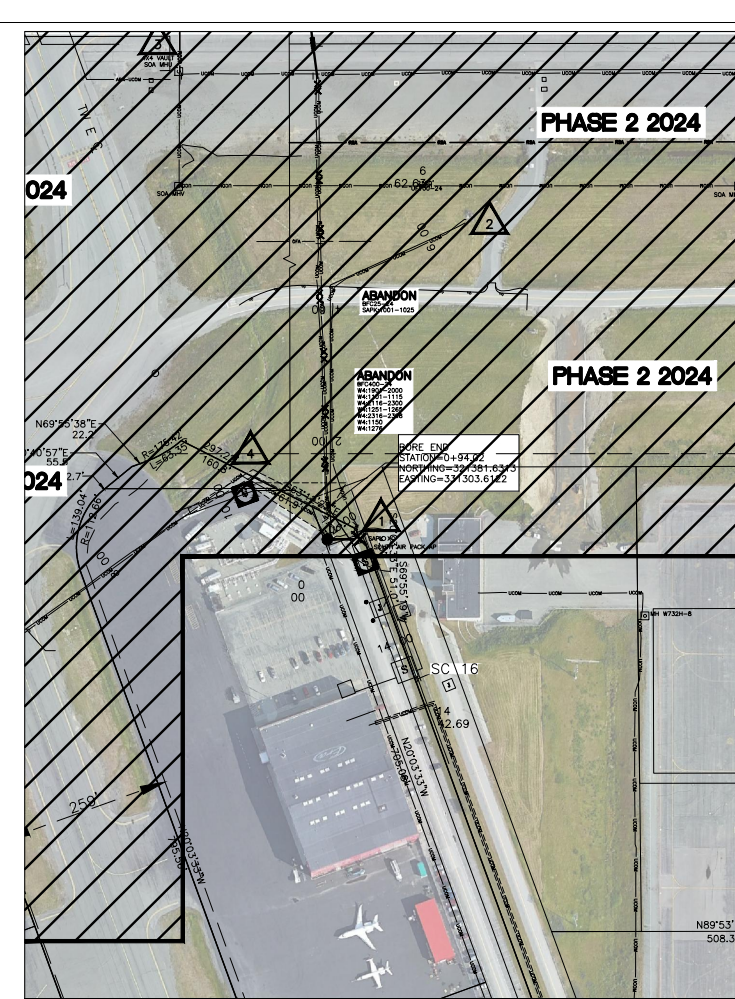
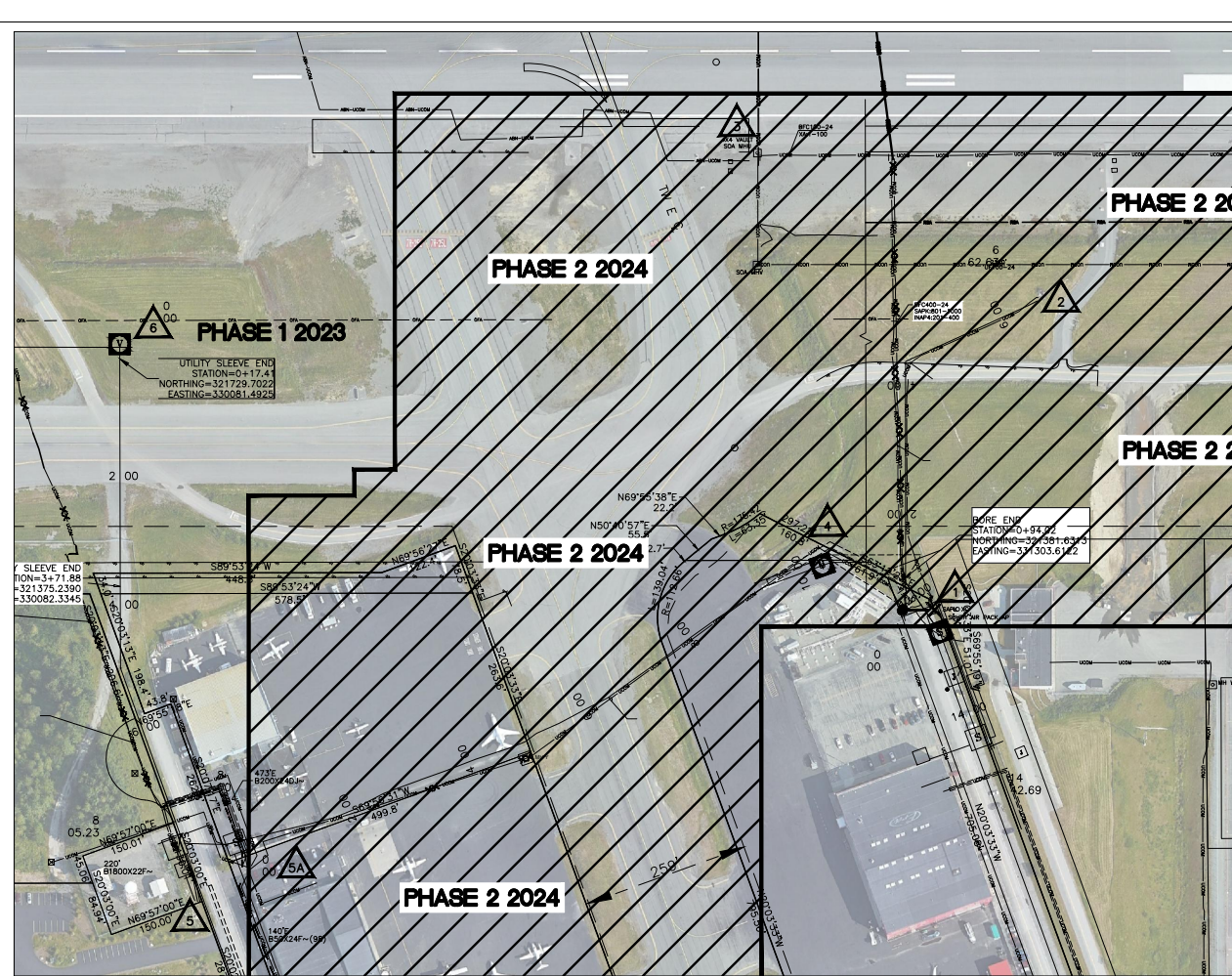
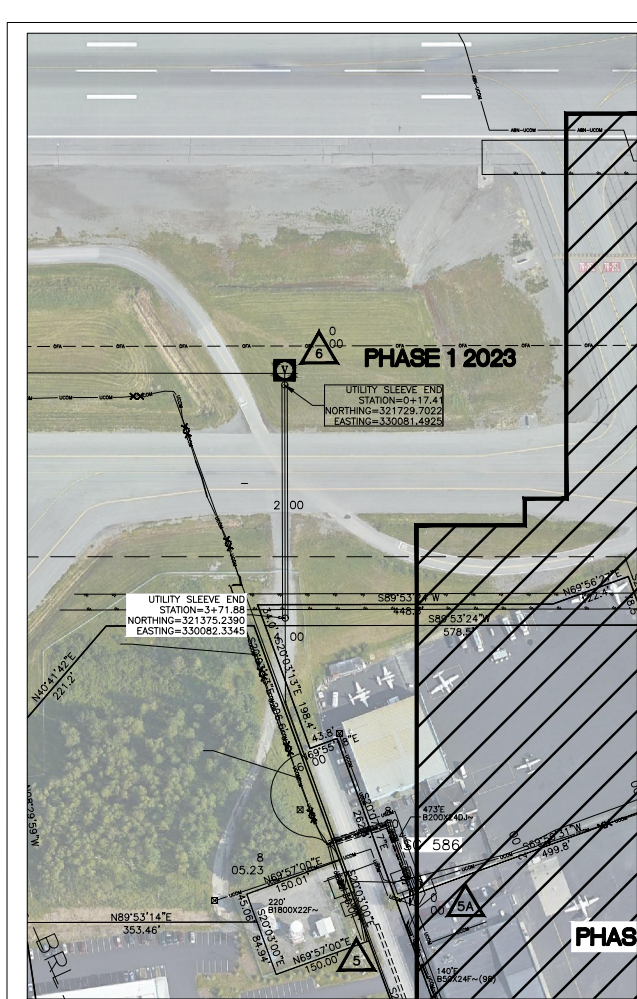
EXISTING ACS
 PED
 UCOM CABLE/DUCT

1 ISSUED FOR PRELIM DESIGN

CALL
CALL LOCATE: 1-800-478-3121
2 WORKING DAYS PRIOR TO CONSTRUCTION
FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP	RANGE	SECTION	DA#	EFRAP#	HELD ORDER: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PERMITS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CUTS REQ: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PRESSURE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE WWC/1601	S#	TITLE: WWC CFAPT00465 TAXIWAY Z WEST		WO# (2021) 021-9325	
		REV.	CAD# 021-9325 ACS TAXIWAY Z		BOROUGH/CNTY MOA			
		REV.	ENGR/EXT: W. MCKECHNIE		SCALE: NTS		APR'D:	ISSUED:
		REV.	DWN: WM	DATE:				SH. 2 OF 8 SHTS.



NEW ACS

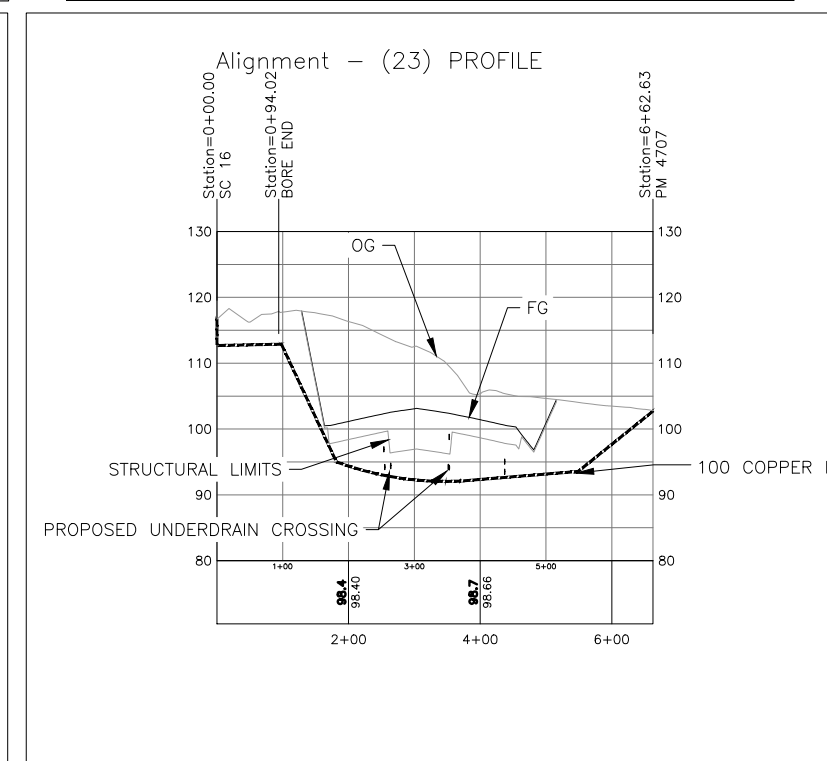
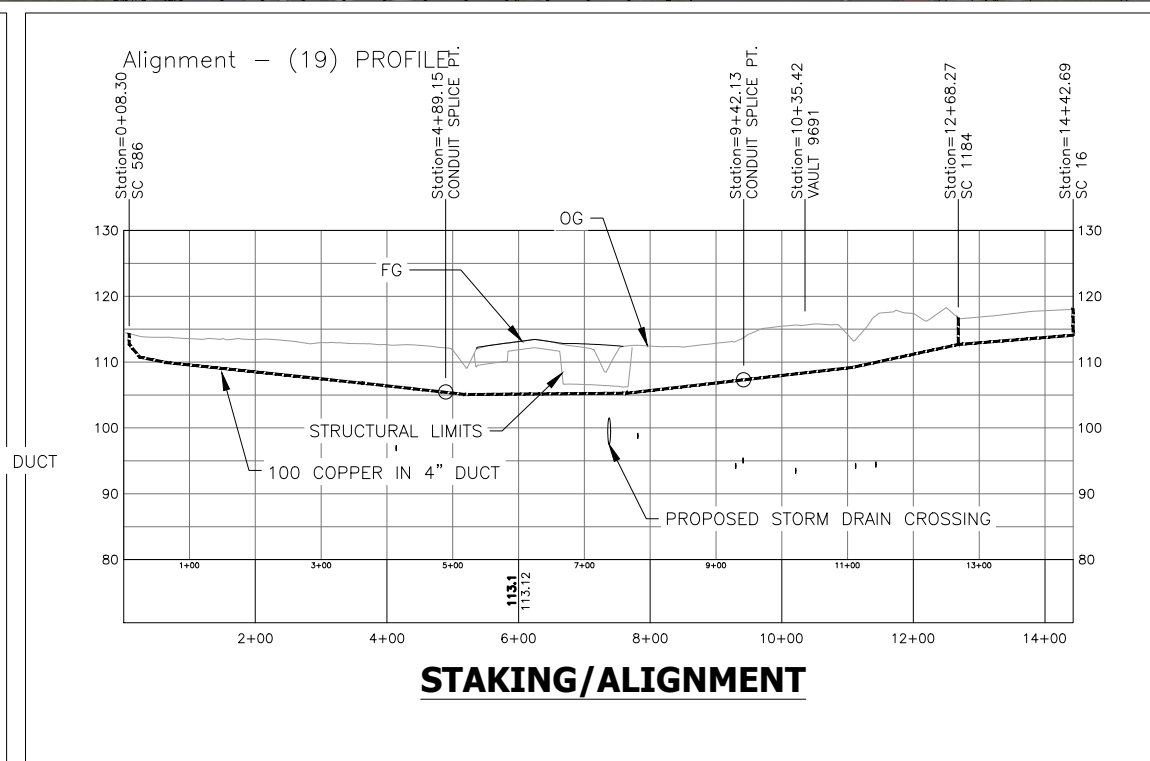
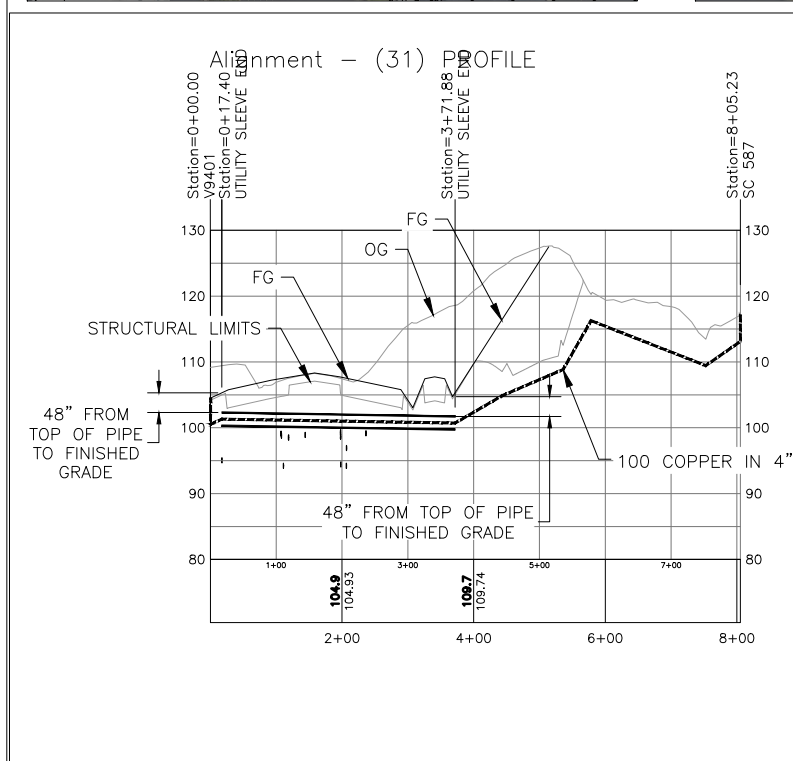
30x48 HH

UG CABLE/DUCT

EXISTING ACS

PED

UCOM CABLE/DUCT

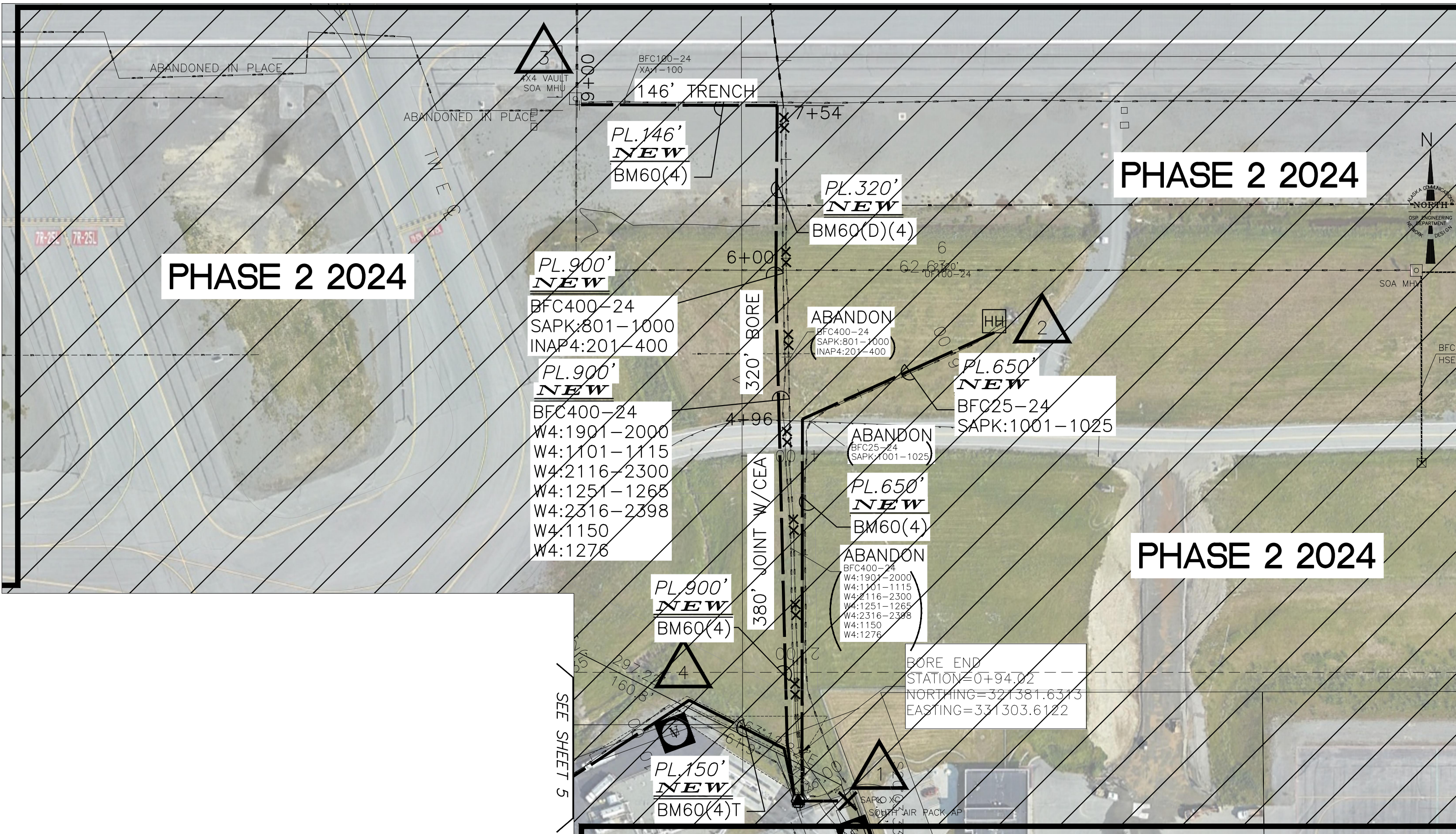


TOWNSHIP	RANGE	SECTION
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS
		REV.
		REV.
		REV.

DA#	EFRAP#
EXCHANGE WWC/1601	S#
CAD# 021-9325 ACS TAXIWAY Z	
ENGR/EXT: W. MCKECHNIE	
DWN: WM	DATE:

HELD ORDER: YES NO	PERMITS: YES NO	CUTS REQ: YES NO	PRESSURE: YES NO
<input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>
TITLE: WWC CFAPT00465 TAXIWAY Z WEST			WO# (2021) 021-9325
BOROUGH/CNTY MOA			
SCALE: NTS	APR'D:	ISSUED:	

SH. 3 OF 8 SHTS.

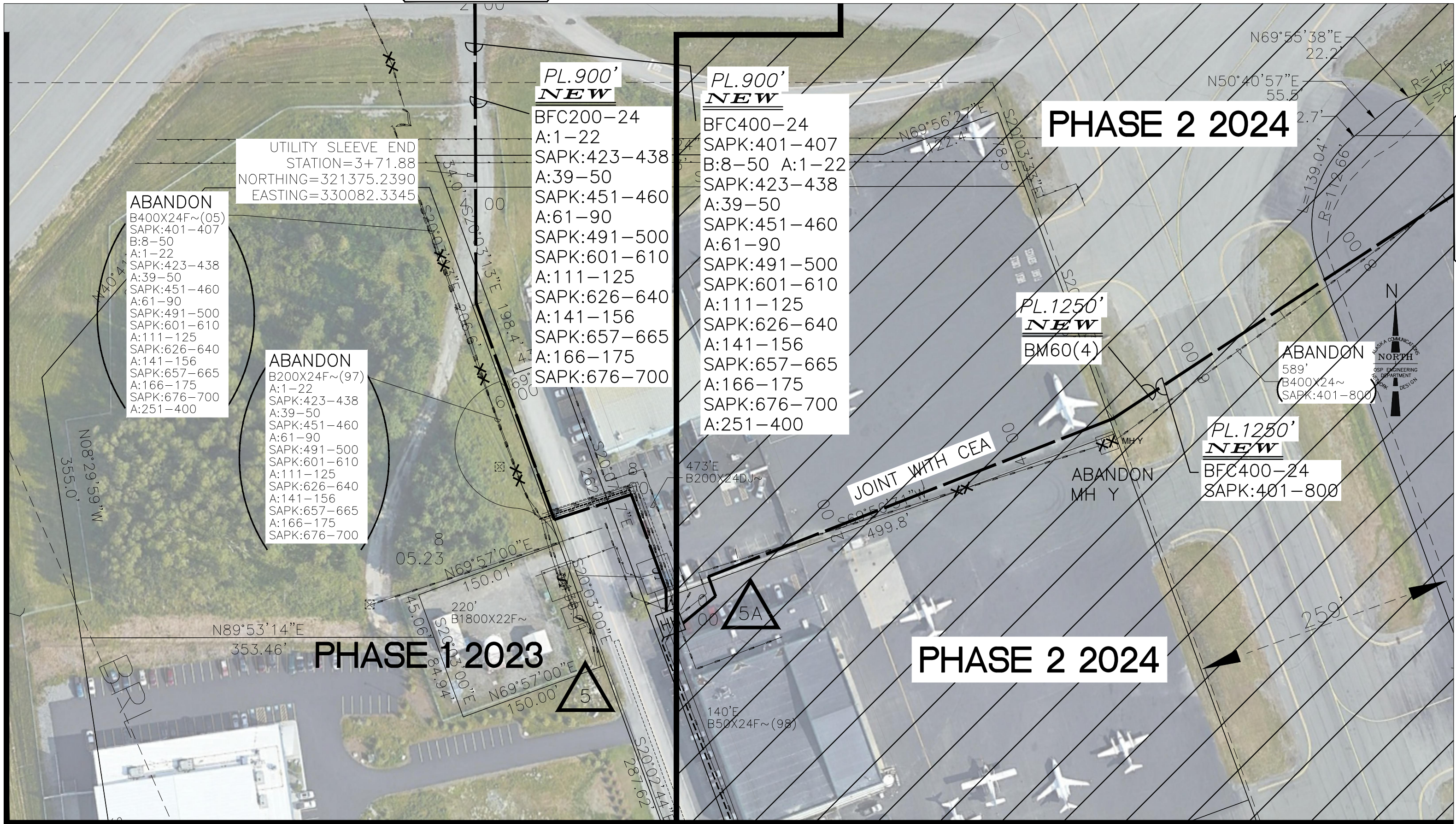


CALL
CALL LOCATE: 1-800-478-3121
2 WORKING DAYS PRIOR TO CONSTRUCTION
FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP	RANGE	SECTION	DA#	EFRAP#	HELD ORDER: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PERMITS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CUTS REQ: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PRESSURE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE WWC/1601	S#	TITLE: WWC CFAPT00465 TAXIWAY Z WEST			
		REV.	CAD# 021-9325 ACS TAXIWAY Z		BOROUGH/CNTY MOA			
		REV.	ENGR/EXT: W. MCKECHNIE		SCALE: NTS APR'D: ISSUED:			
		REV.	DWN: WM	DATE:	SH. 4 OF 8 SHTS.			

SEE SHEET 6



ABANDON
 B400X24F~(05)
 SAPK:401-407
 B:8-50
 A:1-22
 SAPK:423-438
 A:39-50
 SAPK:451-460
 A:61-90
 SAPK:491-500
 SAPK:601-610
 A:111-125
 SAPK:626-640
 A:141-156
 SAPK:657-665
 A:166-175
 SAPK:676-700
 A:251-400

UTILITY SLEEVE END
 STATION=3+71.88
 NORTHING=321375.2390
 EASTING=330082.3345

ABANDON
 B200X24F~(97)
 A:1-22
 SAPK:423-438
 A:39-50
 SAPK:451-460
 A:61-90
 SAPK:491-500
 SAPK:601-610
 A:111-125
 SAPK:626-640
 A:141-156
 SAPK:657-665
 A:166-175
 SAPK:676-700

**PL.900'
 NEW**
 BFC200-24
 A:1-22
 SAPK:423-438
 A:39-50
 SAPK:451-460
 A:61-90
 SAPK:491-500
 SAPK:601-610
 A:111-125
 SAPK:626-640
 A:141-156
 SAPK:657-665
 A:166-175
 SAPK:676-700

**PL.900'
 NEW**
 BFC400-24
 SAPK:401-407
 B:8-50 A:1-22
 SAPK:423-438
 A:39-50
 SAPK:451-460
 A:61-90
 SAPK:491-500
 SAPK:601-610
 A:111-125
 SAPK:626-640
 A:141-156
 SAPK:657-665
 A:166-175
 SAPK:676-700
 A:251-400

**PL.1250'
 NEW**
 BM60(4)

ABANDON
 589'
 (B400X24~
 (SAPK:401-800)

**PL.1250'
 NEW**
 BFC400-24
 SAPK:401-800

PHASE 1 2023

PHASE 2 2024

CALL
 CALL LOCATE: 1-800-478-3121
 2 WORKING DAYS PRIOR TO CONSTRUCTION
 FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP	RANGE	SECTION	DA#	EFRAP#	HELD ORDER: YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>	PERMITS: YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>	CUTS REQ: YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>	PRESSURE: YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE WWC/1601	S#	TITLE: WWC CFAPT00465 TAXIWAY Z WEST		WO# (2021) 021-9325	
		REV.	CAD# 021-9325 ACS TAXIWAY Z		BOROUGH/CNTY MOA		SH. 5 OF 8 SHTS.	
		REV.	ENGR/EXT: W. MCKECHNIE		SCALE: NTS APR'D: ISSUED:			
		REV.	DWN: WM DATE:					

SEE SHEET 4

CABLE SIZE
START SEQ #
END SEQ #

STA:29+38					
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
S2380		2	BM90(90)(36)(4) P*	LINE	
S3800		1	UHC(30X48X36) 33,750 LB	LINE	021-9325-.10
S2301		15	BM60(4) (No-Restoration)	LINE	021-9325-.12
		1	BM2(5/8)(8)	LINE	021-9325-.12
R0960		1150	BFC400-24 (I) or (IE)	LINE	021-9325-.12
R0680		1150	BFC200-24 (I) or (IE)	LINE	021-9325-.12
S2301		1100	BM60(4) T (VX1)	LINE	021-9325-.12
		8	SPLICER W/O EQUIP*	SPLICE	021-9325-.26
		400	HC3>2 (B)	SPLICE	021-9325-.26
		200	HC3>1 (B)	SPLICE	021-9325-.26
T4120		1	HBC(400)(24)	SPLICE	021-9325-.26

UTILITY SLEEVE END
STATION=29+80.32
NORTHING=321700.7330
EASTING=329083.1608

ABANDON
B200X24F~(97)
A:1-22
SAPK:423-438
A:39-50
SAPK:451-460
A:61-90
SAPK:491-500
SAPK:601-610
A:111-125
SAPK:626-640
A:141-156
SAPK:657-665
A:166-175
SAPK:676-700

ABANDON
B400X24F~(05)
SAPK:401-407
B:8-50 A:1-22
SAPK:423-438
A:39-50
SAPK:451-460
A:61-90
SAPK:491-500
SAPK:601-610
A:111-125
SAPK:626-640
A:141-156
SAPK:657-665
A:166-175
SAPK:676-700
A:251-400

PL.1100'
NEW
BFC200-24
A:1-22
SAPK:423-438
A:39-50
SAPK:451-460
A:61-90
SAPK:491-500
SAPK:601-610
A:111-125
SAPK:626-640
A:141-156
SAPK:657-665
A:166-175
SAPK:676-700

PL.1100'
NEW
BFC400-24
SAPK:401-407
B:8-50 A:1-22
SAPK:423-438
A:39-50
SAPK:451-460
A:61-90
SAPK:491-500
SAPK:601-610
A:111-125
SAPK:626-640
A:141-156
SAPK:657-665
A:166-175
SAPK:676-700
A:251-400

PL.1100'
NEW
BM60(4)

ABANDONED IN PLACE

ABANDONED IN PLACE

CABLE SIZE
START SEQ #
END SEQ #

STA:39+84					
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
S3800		1	UHC(30X48X36) 33,750 LB	LINE	021-9325-.10
		1	BM2(5/8)(8)	LINE	021-9325-.12
S2380		2	BM90(90)(36)(4) P*	LINE	021-9325-.12
R0960		900	BFC400-24 (I) or (IE)	LINE	021-9325-.12
R0680		900	BFC200-24 (I) or (IE)	LINE	021-9325-.12
S2301		960	BM60(4) T (VX1)	LINE	021-9325-.12



SEE SHEET 7

SEE SHEET 5

PHASE 1 2023

CALL
CALL LOCATE: 1-800-478-3121
2 WORKING DAYS PRIOR TO CONSTRUCTION
FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP	RANGE	SECTION	DA#	EFRAP#	HELD ORDER: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PERMITS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CUTS REQ: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PRESSURE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE WWC/1601	S#	TITLE: WWC CFAPT00465 TAXIWAY Z WEST			
		REV.	CAD# 021-9325 ACS TAXIWAY Z		BOROUGH/CNTY MOA			
		REV.	ENGR/EXT: W. MCKECHNIE		SCALE: NTS APR'D: ISSUED:			
		REV.	DWN: WM	DATE:	SH. 6 OF 8 SHTS.			

PL.280'
NEW

BM60(4)

PL.280'
NEW

BFC100-24
B:1-50
A:151-156
SAPK:657-665
A:166-175
SAPK:676-700

B100X24F~(97)
B:1-50
A:151-156
SAPK:657-665
A:166-175
SAPK:676-700

500'
(1)2"PVC
FURNISHED BY SOA

CABLE SIZE _____
START SEQ # _____
END SEQ # _____

STA:2+33					
					9
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
S3800		1	UHC(30X48X36) 33,750 LB	LINE	021-9325-10
		1	BM2(5/8)(8)	LINE	021-9325-12
S2380		1	BM90(90)(36)(4) P*	LINE	021-9325-12
S2301		280	BM60(4) T (VX1)	LINE	021-9325-12
R0440		280	BFC100-24 (I) or (IE)	LINE	021-9325-12
		4	LINECREW W/EQUIP*	LINE	021-9325-12
		100	HC3 (B)	SPLICE	021-9325-26
T4100		1	HBC(100)(24)	SPLICE	021-9325-26

1186'
B200X24F~(97)
A:1-22
SAPK:423-438
A:39-50
SAPK:451-460
A:61-90
SAPK:491-500
SAPK:601-610
A:111-125
SAPK:626-640
A:141-156
SAPK:657-665
A:166-175
SAPK:676-700

ABANDON
B100X24~(97)
B:1-50
A:151-156
SAPK:657-665
A:166-175
SAPK:676-700

PL.950'
NEW

BFC200-24
A:1-22
SAPK:423-438
A:39-50
SAPK:451-460
A:61-90
SAPK:491-500
SAPK:601-610
A:111-125
SAPK:626-640
A:141-200

CABLE SIZE _____
START SEQ # _____
END SEQ # _____

STA:17+32					
					8
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
S3800		1	UHC(30X48X36) 33,750 LB	LINE	021-9325-10
S2380		2	BM90(90)(36)(4) P*	LINE	021-9325-12
		1	BM2(5/8)(8)	LINE	021-9325-12
		4	LINECREW W/EQUIP*	LINE	021-9325-12
		8	SPLICER W/O EQUIP*	SPLICE	021-9325-26
		100	HC3 (B)	SPLICE	021-9325-26
T4100		1	HBC(100)(24)	SPLICE	021-9325-26
		200	HC3>1 (B)	SPLICE	021-9325-26
T4110		1	HBC(200)(24)	SPLICE	021-9325-26

PHASE 1 2023

SEE SHEET 8

SEE SHEET 6

JOINT W/CEA

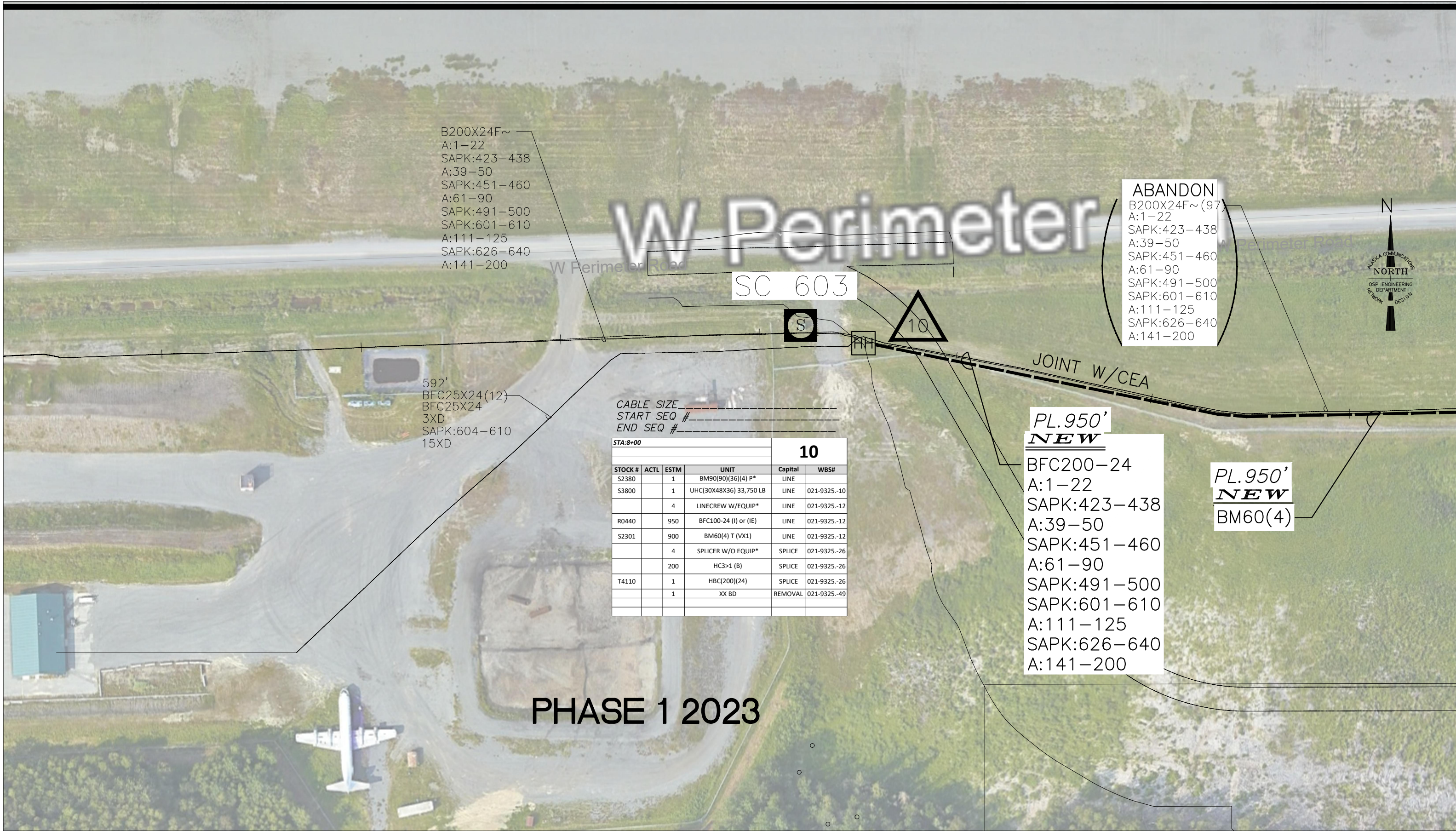
NO CONFLICT THIS SECTION



CALL
CALL LOCATE: 1-800-478-3121
2 WORKING DAYS PRIOR TO CONSTRUCTION
FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP	RANGE	SECTION	DA#	EFRAP#	HELD ORDER: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PERMITS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CUTS REQ: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PRESSURE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE WWC/1601	S#	TITLE: WWC CFAPT00465 TAXIWAY Z WEST			
		REV.	CAD# 021-9325 ACS TAXIWAY Z		BOROUGH/CNTY MOA			
		REV.	ENGR/EXT: W. MCKECHNIE		SCALE: NTS APR'D: ISSUED:			
		REV.	DWN: WM	DATE:	SH. 7 OF 8 SHTS.			



B200X24F~
 A:1-22
 SAPK:423-438
 A:39-50
 SAPK:451-460
 A:61-90
 SAPK:491-500
 SAPK:601-610
 A:111-125
 SAPK:626-640
 A:141-200

ABANDON
 B200X24F~(97)
 A:1-22
 SAPK:423-438
 A:39-50
 SAPK:451-460
 A:61-90
 SAPK:491-500
 SAPK:601-610
 A:111-125
 SAPK:626-640
 A:141-200

592'
 BFC25X24(12)
 BFC25X24
 3XD
 SAPK:604-610
 15XD

CABLE SIZE _____
 START SEQ # _____
 END SEQ # _____

STA:8+00					
					10
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
S2380		1	BM90(90)(36)(4) P*	LINE	
S3800		1	UHC(30X48X36) 33,750 LB	LINE	021-9325-10
		4	LINECREW W/EQUIP*	LINE	021-9325-12
R0440		950	BFC100-24 (I) or (IE)	LINE	021-9325-12
S2301		900	BM60(4) T (VX1)	LINE	021-9325-12
		4	SPLICER W/O EQUIP*	SPLICE	021-9325-26
		200	HC3>1 (B)	SPLICE	021-9325-26
T4110		1	HBC(200)(24)	SPLICE	021-9325-26
		1	XX BD	REMOVAL	021-9325-49

PL.950'
NEW
 BFC200-24
 A:1-22
 SAPK:423-438
 A:39-50
 SAPK:451-460
 A:61-90
 SAPK:491-500
 SAPK:601-610
 A:111-125
 SAPK:626-640
 A:141-200

PL.950'
NEW
 BM60(4)

PHASE 1 2023

CALL
 CALL LOCATE: 1-800-478-3121
 2 WORKING DAYS PRIOR TO CONSTRUCTION
 FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP	RANGE	SECTION	DA#	EFRAP#	HELD ORDER: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PERMITS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CUTS REQ: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	PRESSURE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE WWC/1601	S#	TITLE: WWC CFAPT00465 TAXIWAY Z WEST			
		REV.	CAD# 021-9325 ACS TAXIWAY Z		BOROUGH/CNTY MOA			
		REV.	ENGR/EXT: W. MCKECHNIE		SCALE: NTS APR'D: ISSUED:			
		REV.	DWN: WM	DATE:	SH. 8 OF 8 SHTS.			

SEE SHEET 7