

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

PROJECT LOCATION
GREENWOOD WIRE CENTER
FAIRBANKS, AK

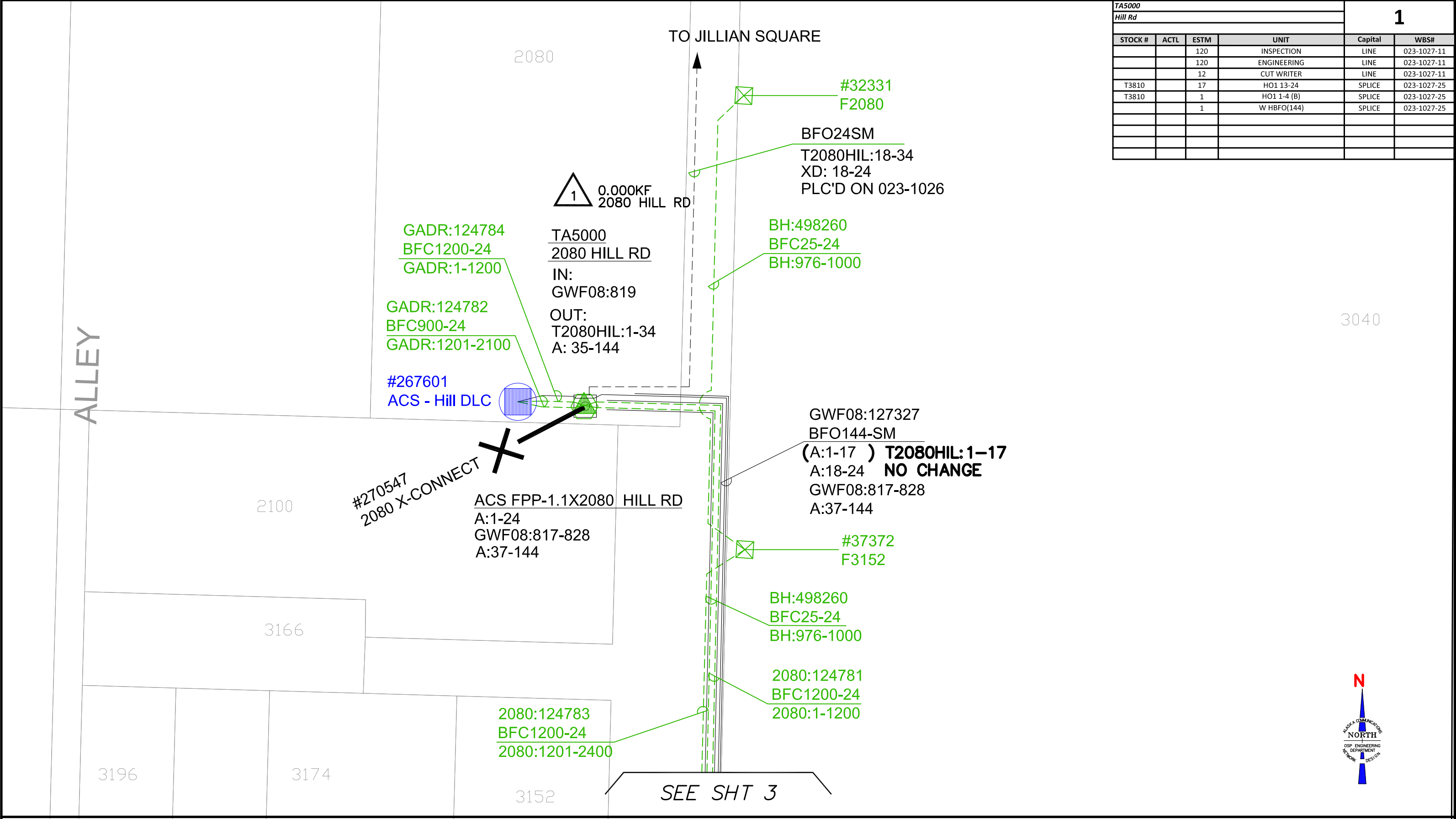
3/15/2024	Activity Summary	WBS: 023-1027	
Work Group	Activity	Quantity	Actuals
LINE	BM60(D)(4) 111 to 300	383	
LINE	BM86-4(P)*	1	
LINE	BM90(90)(36)(4) P*	2	
LINE	CO72 (E)	835	
LINE	CUT WRITER	12	
LINE	ENGINEERING	120	
LINE	INSPECTION	120	
LINE	LINECREW W/EQUIP*	4	
LINE	SNOWSHOES*	1	
LINE	UD(1-1.25)V	453	
LINE	UHC(30X48X36) 33,750 LB	1	
LINE	UHC(30X48X36) 56,200 LB	1	
LINE	UO24	838	
LINE	UO48	1535	
LINE	UO72	533	
LINE	VAC TRUCK*	10	
SPLICE	HBFO(24) 3M	2	
SPLICE	HBFO(48) 3M	3	
SPLICE	HDI 1-4	16	
SPLICE	HDI 13-24	68	
SPLICE	1-32 DIRECT CONNECT SPLITTER	15	
LINE	CLFD 96 WALL BOX	5	
LINE	SLIMBOX 64 INDOOR	10	

INDEX		
SHEET NO.	DESCRIPTION	LATEST ISSUE
1	TITLE SHEET, VACINITY MAP & ACTIVITY SUMMARY	1
2-8	PLAN & PLANT SHEETS (CONSTRUCTION DRAWINGS)	1
9	FIBER SCHEMATIC	1
10	TYPICAL BACKBOARD DETAIL	1
11	SLIMBOX & SPLITTERS	1
12	INSTALLATION DETAILS	1

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



TOWNSHIP 15		RANGE 1W		SECTION 5		DA#		EFAP#		HELD ORDER: YES ☐ NO ☒		PERMITS: YES ☒ NO ☐		CUTS REQ: YES ☒ NO ☐		PRESSURE: YES ☐ NO ☒			
ASSOCIATED WORK ORDERS		SOURCE MAPS		REVISION NUMBER-DATE-INITIALS		EXCHANGE 8701		S#		TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA						WO# (2023) 023-1027			
		4940	5140			CAD# 23102701													
		4930	5139	REV.		ENGR/EXT:		BOROUGH/CNTY ANCHORAGE											
		5040	5240	REV.		DWN: RICARDO YAP 907-564-7207		SCALE: NTS						APR'D:		ISSUED:		SH. 1 OF 12 SHTS	
		5039	5239	REV.		DATE: 10/21/2019		APR'D:						ISSUED:		SH. 1 OF 12 SHTS			



TA5000				1	
Hill Rd					
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
		120	INSPECTION	LINE	023-1027-11
		120	ENGINEERING	LINE	023-1027-11
		12	CUT WRITER	LINE	023-1027-11
T3810		17	HO1 13-24	SPLICE	023-1027-25
T3810		1	HO1 1-4 (B)	SPLICE	023-1027-25
		1	W HBFO(144)	SPLICE	023-1027-25

CALL

CALL LOCATE: 1-800-478-3121

2 WORKING DAYS PRIOR TO CONSTRUCTION

FOR UNDERGROUND SERVICES LOCATING

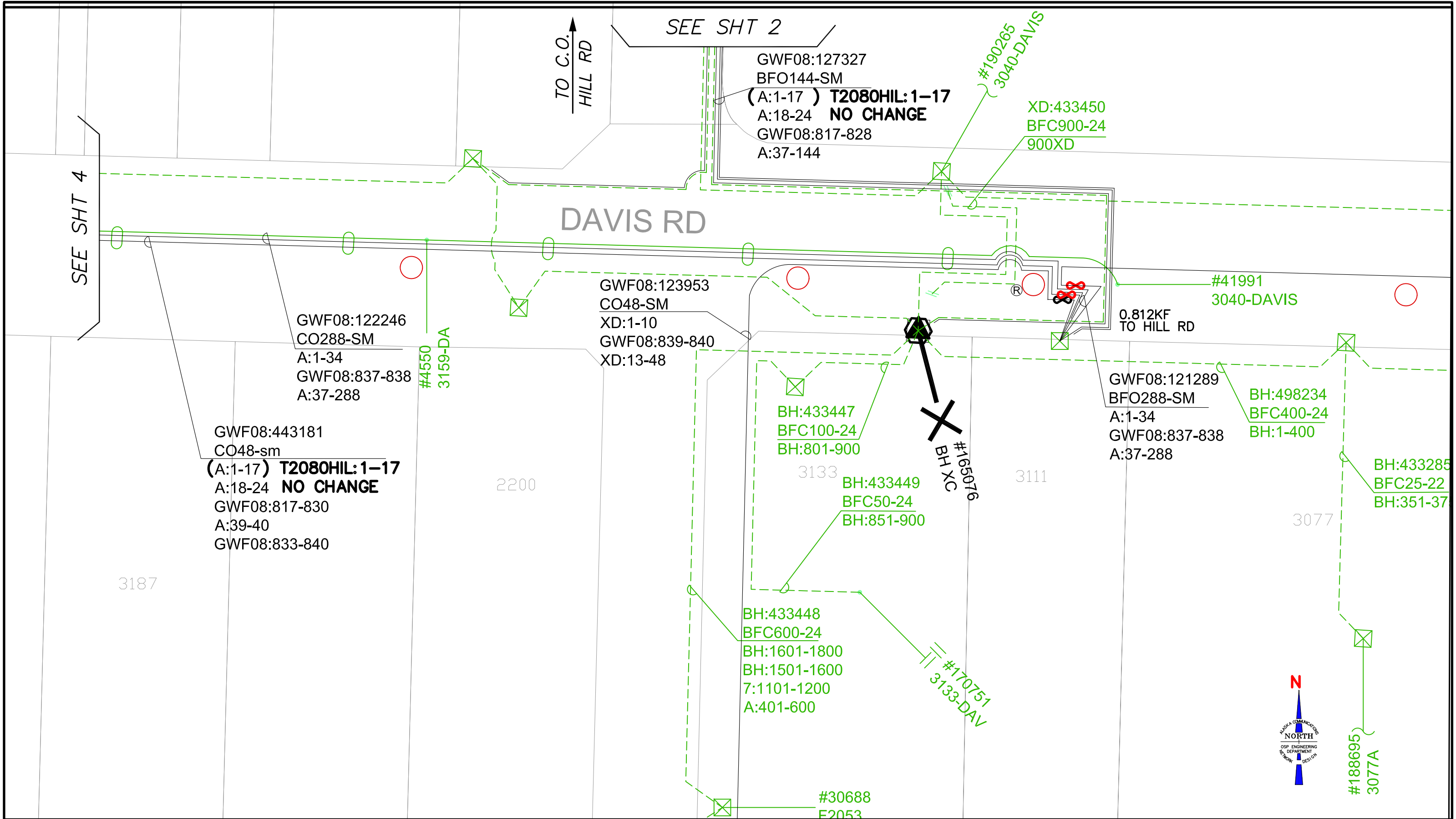
TOWNSHIP 1S	RANGE 1W	SECTION 5	DA#	EFRAP#
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE 8701	S#
	4940 5140	REV.	CAD# 23102702	
	4930 5139	REV.	ENGR/EXT: RICARDO YAP 907-564-7207	
	5040 5240	REV.	DWN: RY DATE: 10/21/2019	
	5039 5239			

HELD ORDER: YES NO ☐ ☒	PERMITS: YES NO ☒ ☐	CUTS REQ: YES NO ☒ ☐	PRESSURE: YES NO ☐ ☒
TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA			
BOROUGH/CNTY ANCHORAGE			
SCALE: NTS APR'D: ISSUED:			

WO# (2023)

023-1027

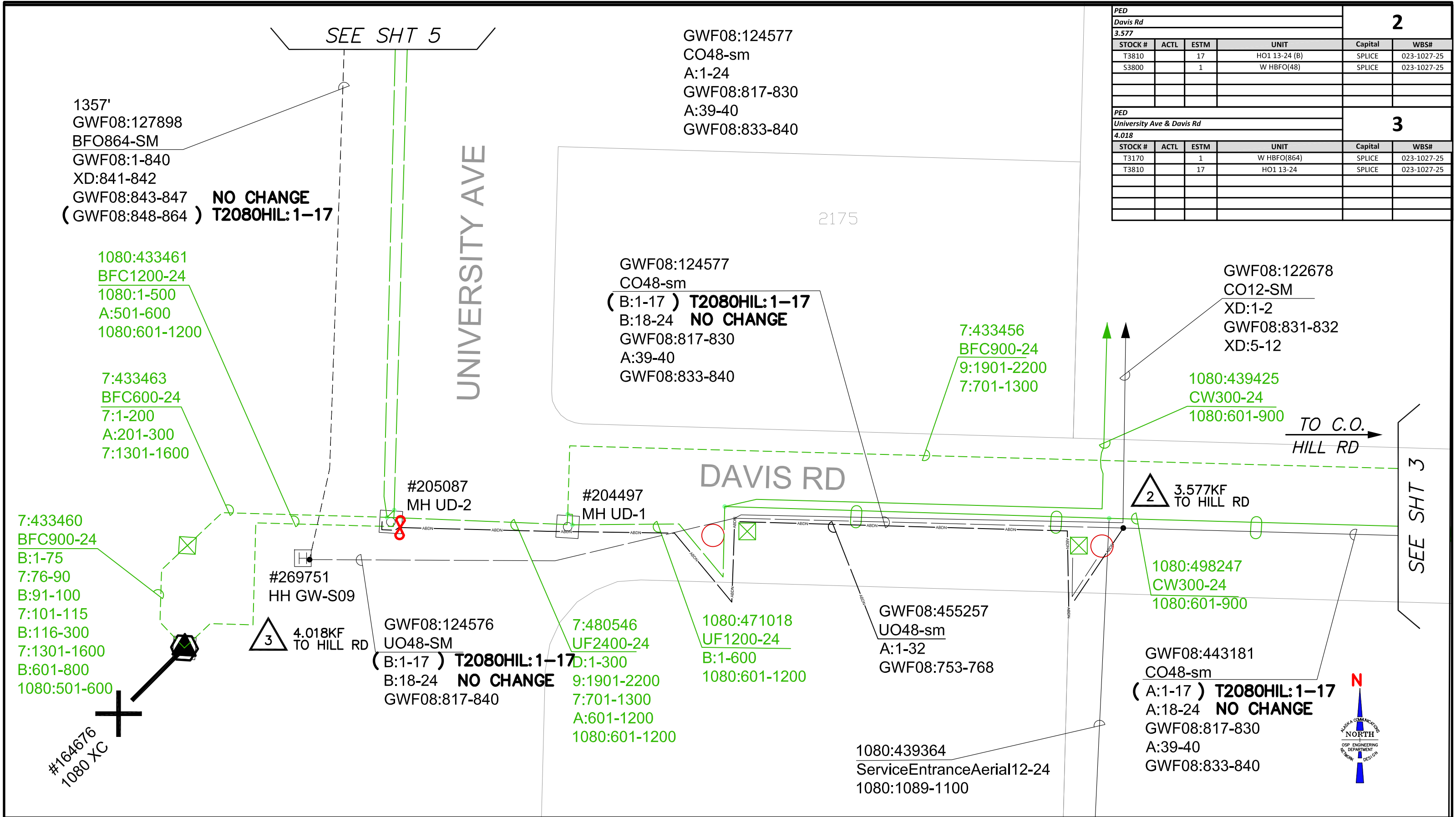
SH. 2 OF 12 SHTS.



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



TOWNSHIP 1S	RANGE 1W	SECTION 5	DA#	EFRAP#	HELD ORDER: YES ☐ NO ☒	PERMITS: YES ☒ NO ☐	CUTS REQ: YES ☒ NO ☐	PRESSURE: YES ☐ NO ☒
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE 8701	S#	TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA			
	4940 5140	REV.	CAD# 23102703		BOROUGH/CNTY ANCHORAGE			
	4930 5139	REV.	ENGR/EXT: RICARDO YAP	DATE: 10/21/2019	SCALE: NTS APR'D: ISSUED:			
	5040 5240	REV.	DWN: RY		WO# (2023) 023-1027			
	5039 5239				SH. 3 OF 12 SHTS.			

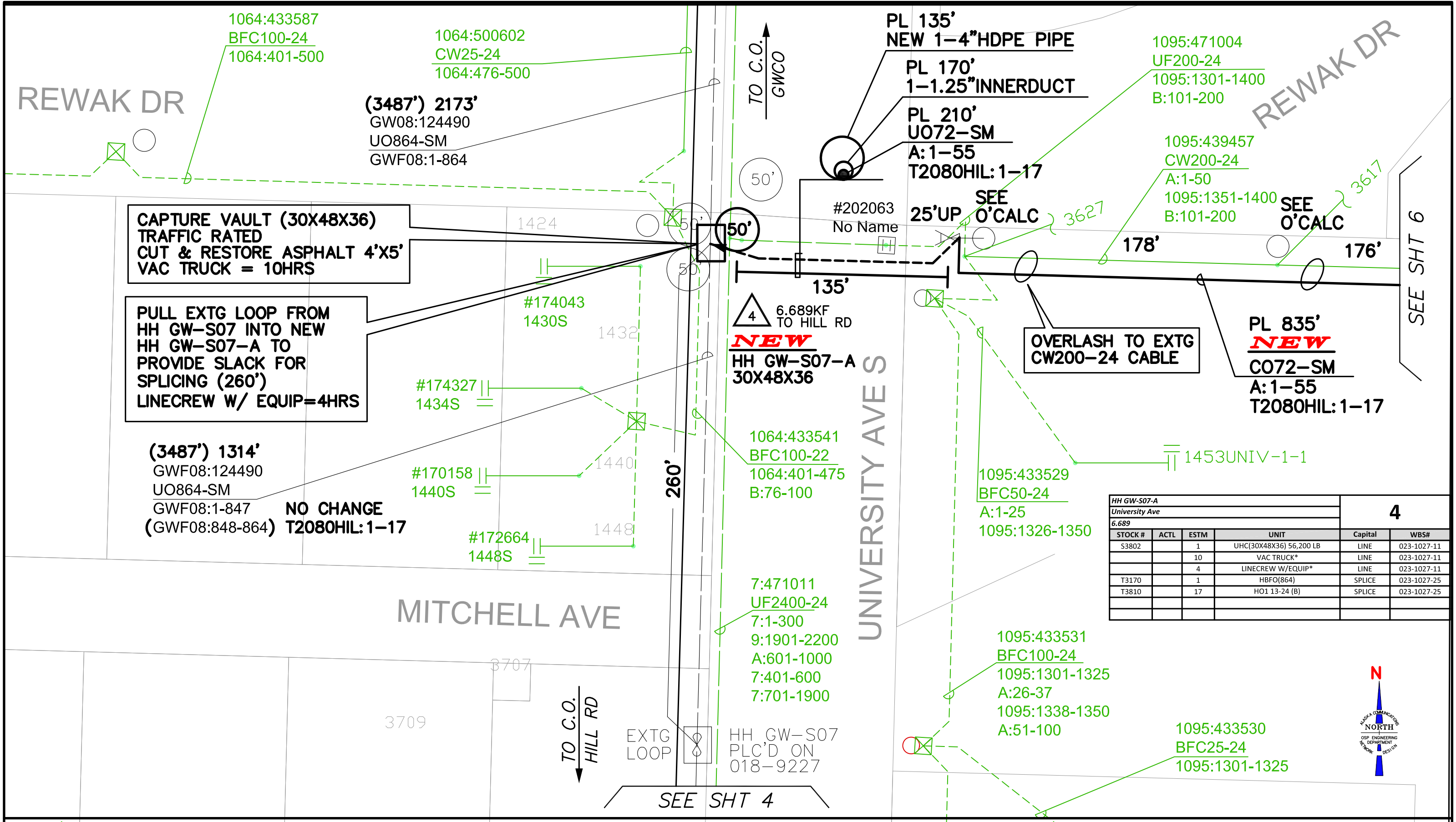


PED					
Davis Rd					
3.577					
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
T3810		17	HO1 13-24 (B)	SPLICE	023-1027-25
S3800		1	W HBFO(48)	SPLICE	023-1027-25
PED					
University Ave & Davis Rd					
4.018					
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
T3170		1	W HBFO(864)	SPLICE	023-1027-25
T3810		17	HO1 13-24	SPLICE	023-1027-25

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



TOWNSHIP 1S	RANGE 1W	SECTION 5	DA#	EFRAP#	HELD ORDER: YES NO ☐ ☒	PERMITS: YES NO ☒ ☐	CUTS REQ: YES NO ☒ ☐	PRESSURE: YES NO ☐ ☒
ASSOCIATED WORK ORDERS	SOURCE MAPS 4940 5140 4930 5139 5040 5240 5039 5239	REVISION NUMBER-DATE-INITIALS REV. REV. REV.	EXCHANGE 8701 CAD# 23102704 ENGR/EXT: RICARDO YAP 907-564-7207 DWN: RY DATE: 10/21/2019	S#	TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA			
					BOROUGH/CNTY ANCHORAGE			
					SCALE: NTS APR'D: ISSUED:			
					WO# (2023) 023-1027			
					SH. 4 OF 12 SHTS.			



HH GW-S07-A University Ave					4	
6.689					Capital	WBS#
STOCK #	ACTL	ESTM	UNIT			
S3802		1	UHC(30X48X36) 56,200 LB		LINE	023-1027-11
		10	VAC TRUCK*		LINE	023-1027-11
		4	LINECREW W/EQUIP*		LINE	023-1027-11
T3170		1	HBFO(864)		SPLICE	023-1027-25
T3810		17	HO1 13-24 (B)		SPLICE	023-1027-25



CALL

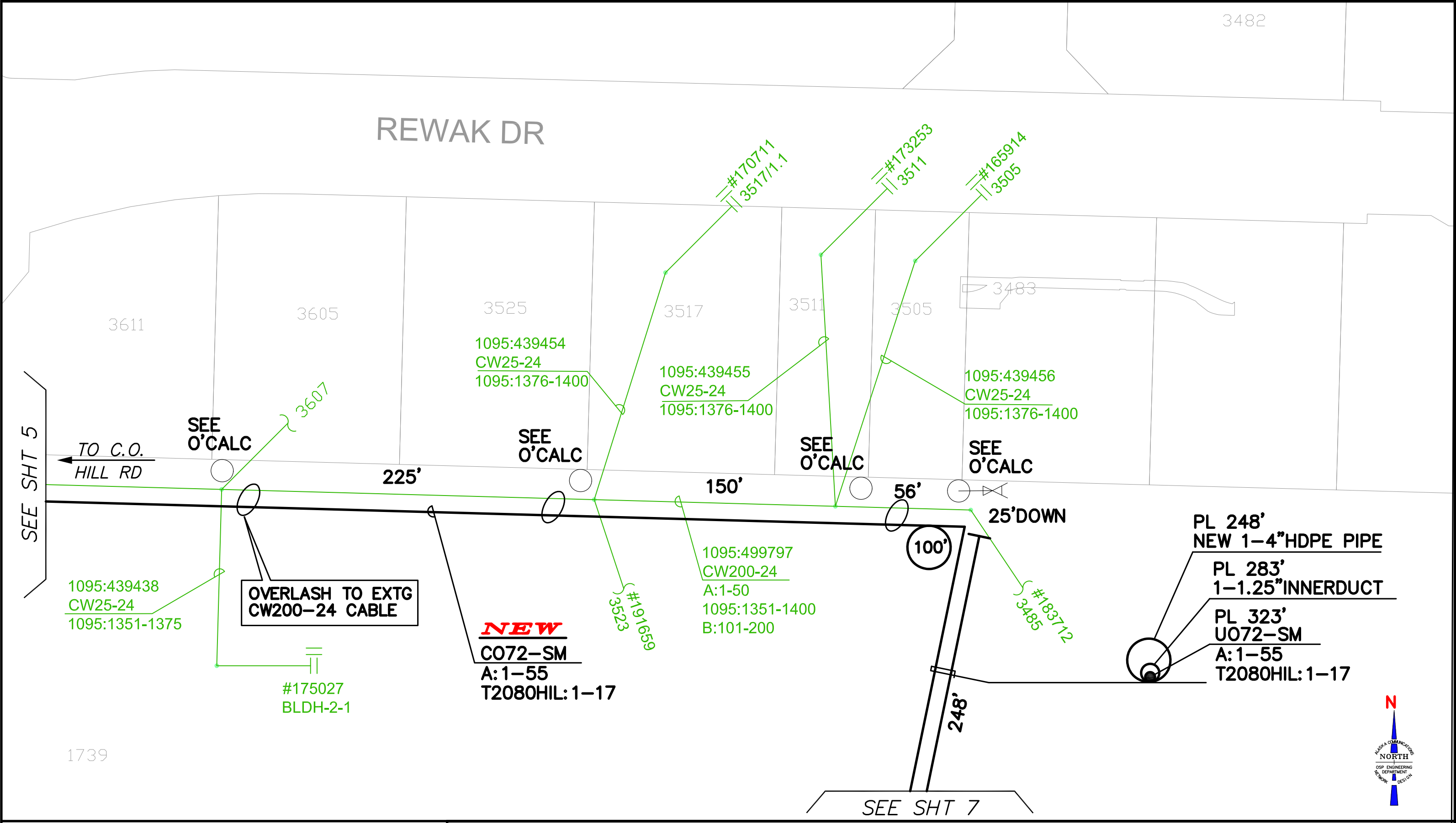
CALL LOCATE: 1-800-478-3121

2 WORKING DAYS PRIOR TO CONSTRUCTION

FOR UNDERGROUND SERVICES LOCATING

TOWNSHIP 1S	RANGE 1W	SECTION 5	DA#	EFRAP#
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE 8701	S#
	4940 5140	REV.	CAD# 23102705	
	4930 5139	REV.	ENGR/EXT: RICARDO YAP 907-564-7207	
	5040 5240	REV.	DWN: RY DATE: 10/21/2019	
	5039 5239			

HELD ORDER: YES NO ☐ ☒	PERMITS: YES NO ☒ ☐	CUTS REQ: YES NO ☒ ☐	PRESSURE: YES NO ☐ ☒
TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA			
BOROUGH/CNTY: ANCHORAGE			
SCALE: NTS APR'D: ISSUED:			
WO# (2023) 023-1027			
SH. 5 OF 12 SHTS.			



CALL

CALL LOCATE: 1-800-478-3121

2 WORKING DAYS PRIOR TO CONSTRUCTION

FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP 1S	RANGE 1W	SECTION 5	DA#	EFRAP#
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE 8701	S#
	4940 5140	REV.	CAD# 23102706	
	4930 5139	REV.	ENGR/EXT: RICARDO YAP 907-564-7207	
	5040 5240	REV.	DWN: RY DATE: 10/21/2019	
	5039 5239			

HELD ORDER: YES NO ☐ ☒	PERMITS: YES NO ☒ ☐	CUTS REQ: YES NO ☒ ☐	PRESSURE: YES NO ☐ ☒
TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA			
BOROUGH/CNTY: ANCHORAGE			
SCALE: NTS APR'D: ISSUED:			

WO# (2023)
023-1027
SH. 6 OF 12 SHTS.

CONST NOTE:
INSTALL FIBER INSIDE
EXISTING INTERBUILDING
CONDUITS

PL 1535'
NEW
U048-SM
D: 1-39
T2080HIL: 1-9

SEE SHT 6

5 8.007KF
TO HILL RD
NEW
HH GW-S07-A/A
30X48X36

NOTE:
T2080HIL: 16-17
SPARE

PL 838'
NEW
U024-SM
B: 1-18
T2080HIL: 10-15

MDU-1.2 X1733 UNIV AVE S
IN:
T2080HIL: 10-12
OUT:
1733F: 1-96

8 8.362KF
TO HILL RD
MDU-1.2 X1737 UNIV AVE S
IN:
T2080HIL: 1-3
OUT:
1737F: 1-96

NEW
U048-SM
D: 1-39
E: 40-42
T2080HIL: 4-9

7 8.845KF
TO HILL RD
MDU-1.2 X1729 UNIV AVE S
IN:
T2080HIL: 13-15
OUT:
1729F: 1-96

NEW
U024-SM
B: 1-18
C: 19-21
T2080HIL: 13-15

SEE SHT 8

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



TOWNSHIP 1S	RANGE 1W
ASSOCIATED WORK ORDERS	SOURCE MAPS
	4940 5140
	4930 5139
	5040 5240
	5039 5239

SECTION 5	REVISION NUMBER-DATE-INITIALS
REV.	
REV.	
REV.	

DA#	EXCHANGE
	8701
CAD#	23102707
ENGR/EXT:	RICARDO YAP 907-564-7207
DWN:	RY

EFRAP#	S#
DATE:	10/21/2019

HELD ORDER: YES NO ☐ ☒	PERMITS: YES NO ☒ ☐	CUTS REQ: YES NO ☒ ☐	PRESSURE: YES NO ☐ ☒
TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA			
BOROUGH/CNTY: ANCHORAGE			
SCALE: NTS APR'D: ISSUED:			
WO# (2023) 023-1027			
SH. 7 OF 12 SHTS.			

HH GW-S07-A/A					5	
SIDE OF BLDG F						
8.007						
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#	
S3280		1	SNOWSHOES*	LINE	023-1027-07	
R2920		835	CO72 (E)	LINE	023-1027-07	
S3265		248	BM60(D)(4) 111 to 300	LINE	023-1027-11	
S2301		1	BM86-4(P)*	LINE	023-1027-11	
S2380		2	BM90(90)(36)(4) P*	LINE	023-1027-11	
S3265		135	BM60(D)(4) 111 to 300	LINE	023-1027-11	
S3800		1	UHC(30X48X36) 33,750 LB	LINE	023-1027-11	
S3246		283	UD(1-1.25)V	LINE	023-1027-11	
r2920		323	UO72	LINE	023-1027-11	
S3246		170	UD(1-1.25)V	LINE	023-1027-11	
r2920		210	UO72	LINE	023-1027-11	
MDU-1.2					6	
1737 UNIV AVE S						
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#	
R2960		838	UO24	LINE	023-1027-11	
T3170						
T3171		1	HBFO(24) 3M	SPLICE	023-1027-25	
T3172						
T3810		3	HO1 1-4	SPLICE	023-1027-25	
MDU-1.2					7	
UNIV AVE S						
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#	
T3170						
T3171		1	HBFO(24) 3M	SPLICE	023-1027-25	
T3172						
T3810		3	HO1 1-4	SPLICE	023-1027-25	
MDU-1.2					8	
1725 UNIV AVE S						
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#	
R2970		1535	UO48	LINE	023-1027-11	
T3170						
T3171		1	HBFO(48) 3M	SPLICE	023-1027-25	
T3172						
T3810		3	HO1 1-4	SPLICE	023-1027-25	



1006:433526
BFC600-24
1006:1-600

NEW
U048-SM
D: 1-39
E: 40-42
T2080HIL: 4-9

1006:433527
BFC1200-24
1006:1-1200

9 8.972KF
TO CO

MDU-1.2 X1721 UNIV AVE S
IN:
T2080HIL: 4-6
OUT:
1721C: 1-96

CONST NOTE:
INSTALL FIBER INSIDE
EXISTING INTERBUILDING
CONDUITS

SEE SHT 7

TO C.O.
HILL RD

1721

+20'

50'

1006:433524
BFC200-24
1006:101-300

1006:433522
BFC200-24
1006:1-200

1006:433523
BFC100-24
1006:101-200

#173511 ||
1721/1.1 =

480'

1725

25'

+20'

#171233 ||
1725/1.1 =

10 9.542KF
TO HILL RD

MDU-1.2 X1725 UNIV AVE S
IN:
T2080HIL: 7-9
OUT:
1725D: 1-96

NEW
U048-SM
D: 1-39
E: 40-42
F: 43-45
T2080HIL: 7-9

MDU-1.2				9	
UNIV AVE S					
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
T3170					
T3171		1	HBFO(48) 3M	SPLICE	023-1027-25
T3172					
T3810		3	HO1 1-4	SPLICE	023-1027-25
MDU-1.2				10	
1725 UNIV AVE S					
STOCK #	ACTL	ESTM	UNIT	Capital	WBS#
T3170					
T3171		1	HBFO(48) 3M	SPLICE	023-1027-25
T3172					
T3810		3	HO1 1-4	SPLICE	023-1027-25

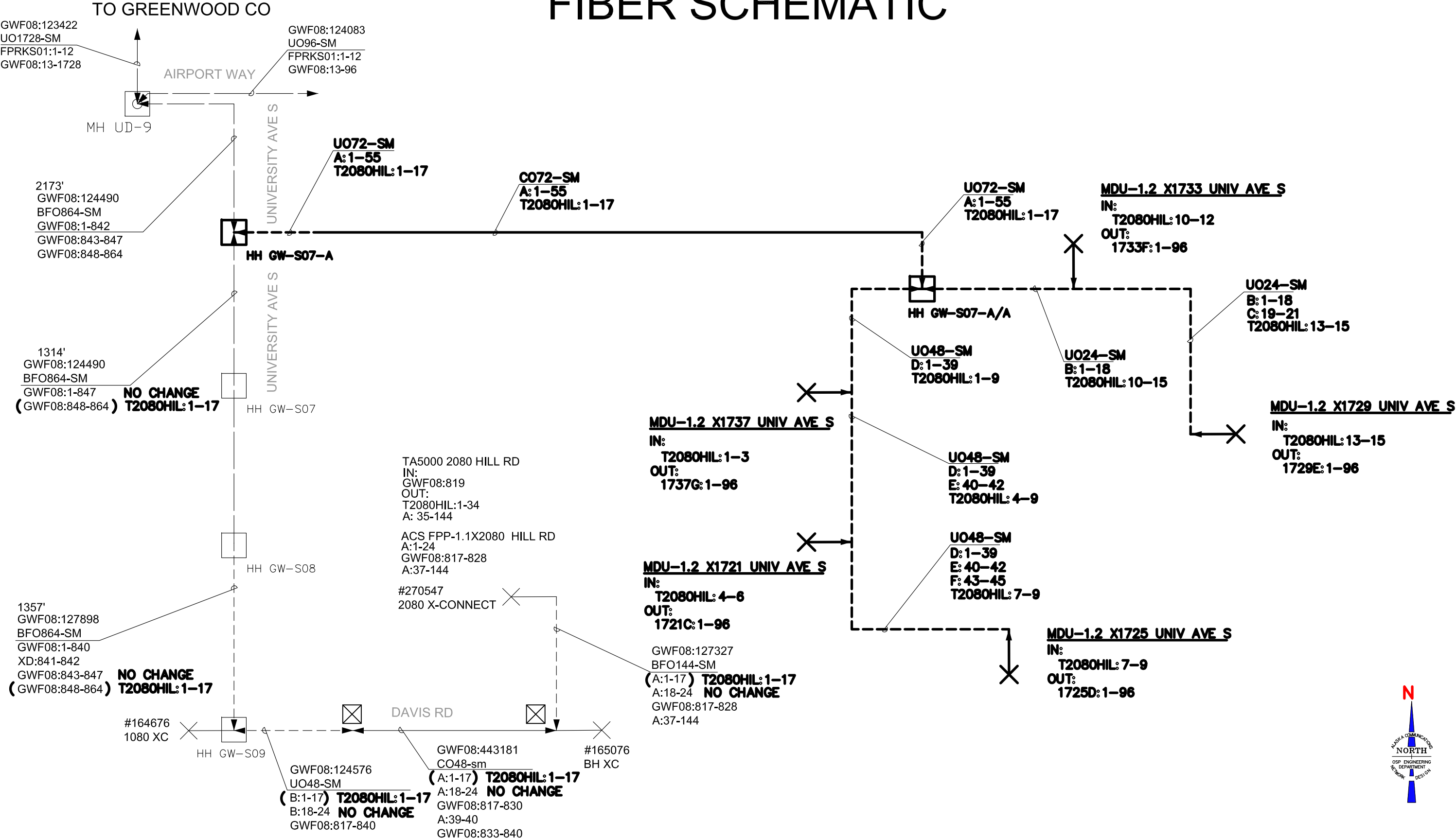


CALL
CALL LOCATE: 1-800-478-3121
2 WORKING DAYS PRIOR TO CONSTRUCTION
FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP 1S		RANGE 1W		SECTION 5		DA#		EFRAP#		HELD ORDER: YES NO ☐ ☒		PERMITS: YES NO ☒ ☐		CUTS REQ: YES NO ☒ ☐		PRESSURE: YES NO ☐ ☒					
ASSOCIATED WORK ORDERS	SOURCE MAPS			REVISION NUMBER-DATE-INITIALS			EXCHANGE 8701		S#		TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA						WO# (2023) 023-1027				
	4940	5140					CAD# 23102708														
	4930	5139		REV.			ENGR/EXT:				BOROUGH/CNTY ANCHORAGE										
	5040	5240					DWN: RY		DATE: 10/21/2019												
	5039	5239		REV.							SCALE: NTS						APR'D:		ISSUED:		SH. 8 OF 12 SHTS.

FIBER SCHEMATIC

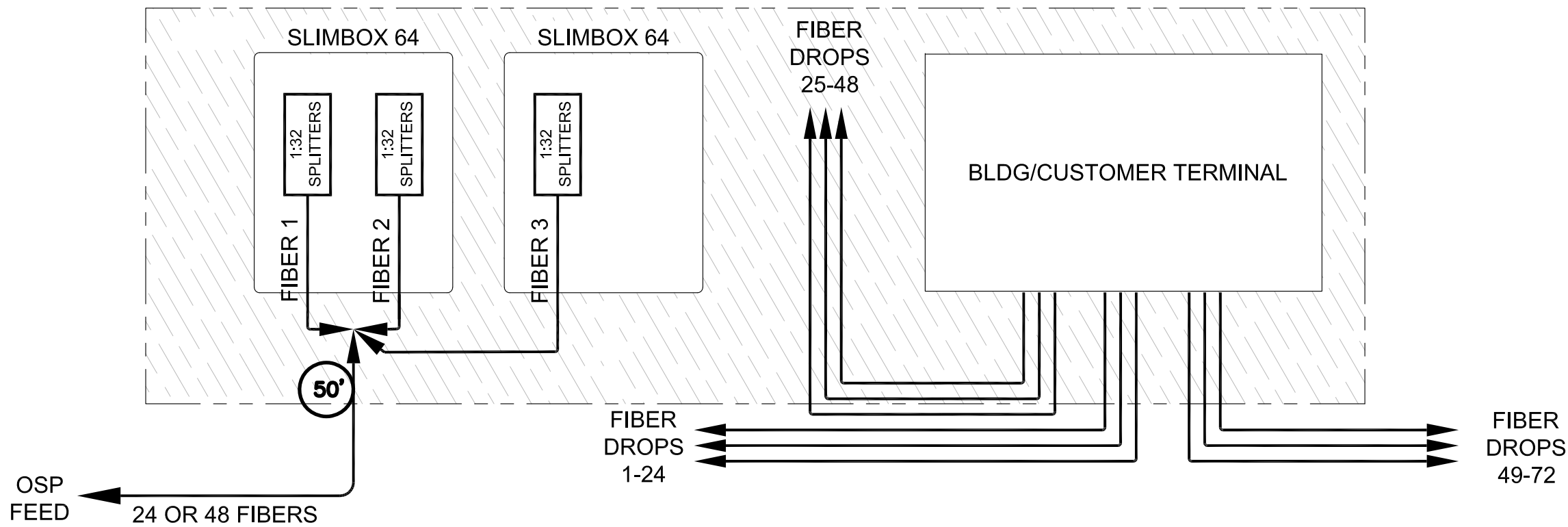


CALL
CALL LOCATE: 1-800-478-3121
2 WORKING DAYS PRIOR TO CONSTRUCTION
FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP 1S	RANGE 1W	SECTION 5	DA#	EFRAP#	HELD ORDER: YES ☐ NO ☒	PERMITS: YES ☒ NO ☐	CUTS REQ: YES ☒ NO ☐	PRESSURE: YES ☐ NO ☒
ASSOCIATED WORK ORDERS	SOURCE MAPS 4940 5140 4930 5139 5040 5240 5039 5239	REVISION NUMBER-DATE-INITIALS REV. REV. REV.	EXCHANGE 8701 CAD# 23102709 ENGR/EXT: RICARDO YAP 907-564-7207 DWN: RY DATE: 10/21/2019	S#	TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA BOROUGH/CNTY ANCHORAGE	SCALE: NTS	APR'D:	ISSUED:
				WO# (2023) 023-1027	SH. 9 OF 12 SHTS.			

MECHANICAL ROOM
TYPICAL BACKBOARD DETAIL



COMM ROOMS SIMILAR IN ALL BUILDINGS



LARGE PATH BETWEEN BUILDINGS



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

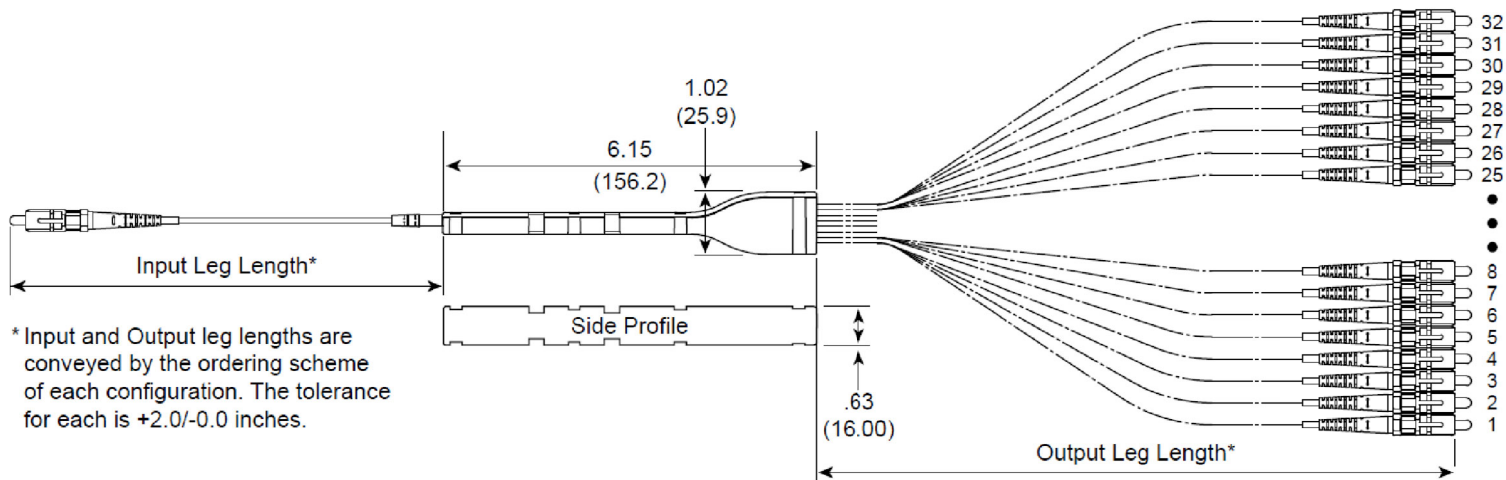


TOWNSHIP 1S	RANGE 1W	SECTION 5	DA#	EFRAP#	HELD ORDER: YES NO ☐ ☒	PERMITS: YES NO ☒ ☐	CUTS REQ: YES NO ☒ ☐	PRESSURE: YES NO ☐ ☒
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE 8701	S#	TITLE: <i>FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA</i>			
	4940 5140	REV.	CAD# 23102710		BOROUGH/CNTY <i>ANCHORAGE</i>			
	4930 5139	REV.	ENGR/EXT: <i>RICARDO YAP 907-564-7207</i>		SCALE: <i>NTS</i> APR'D: ISSUED:			
	5040 5240	REV.	DWN: <i>RY</i> DATE: <i>10/21/2019</i>		WO# (2023) 023-1027			
	5039 5239	REV.			SH. 10 OF 12 SHTS.			

SLIMBOX 64



DIRECT CONNECT 1:32 SPLITTER

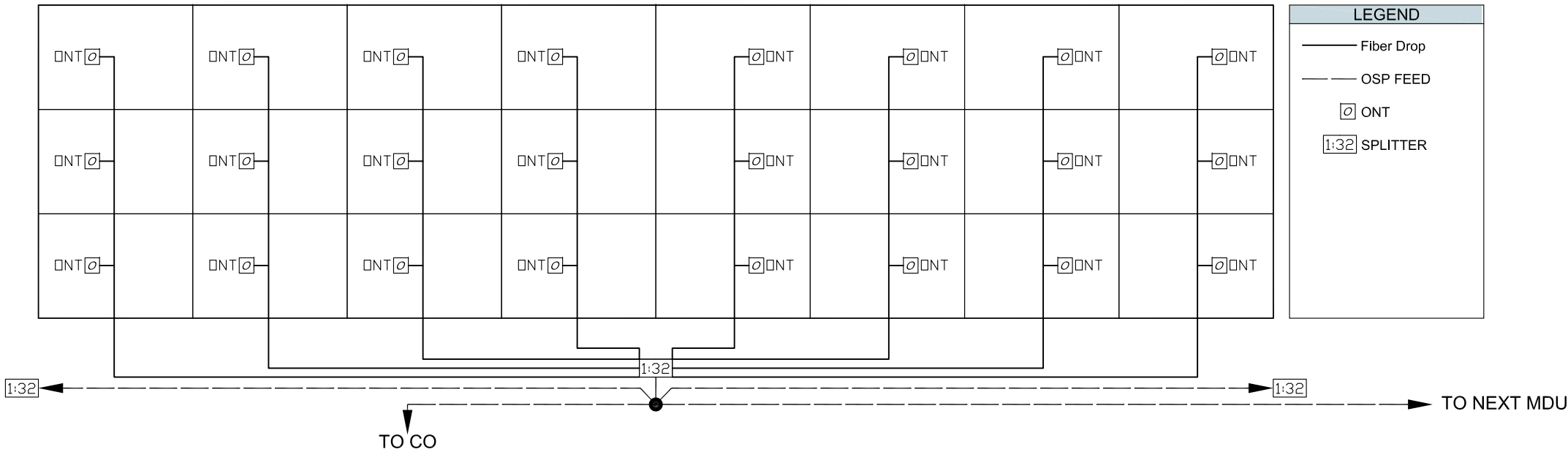


CALL
CALL LOCATE: 1-800-478-3121
2 WORKING DAYS PRIOR TO CONSTRUCTION
FOR UNDERGROUND SERVICES LOCATING



TOWNSHIP 15	RANGE 1W	SECTION 5	DA#	EFRAP#	HELD ORDER: YES ☐ NO ☒	PERMITS: YES ☒ NO ☐	CUTS REQ: YES ☒ NO ☐	PRESSURE: YES ☐ NO ☒
ASSOCIATED WORK ORDERS	SOURCE MAPS	REVISION NUMBER-DATE-INITIALS	EXCHANGE 8701	S#	TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH – SOPHIE PLAZA			
	4940 5140	REV.	CAD# 23102711		BOROUGH/CNTY ANCHORAGE			
	4930 5139	REV.	ENGR/EXT: RICARDO YAP 907-564-7207		SCALE: NTS APR'D: ISSUED:			
	5040 5240	REV.	DWN: RY DATE: 10/21/2019		SH. 11 OF 12 SHTS.			
	5039 5239				WO# (2023) 023-1027			

CENTER "POD" OF EACH BUILDING



SOPHIE PLAZA

Application	Description	Part Number	UoM	Quantity
Hut Shelf	Rack Mount Termination Shelf w/SC Adapters	301015970	Each	1
Hut Splitters	1:2 Shelf Mount Splitters ~ SCA/SCA	TBD	Each	8
Terminals	SlimBox 64 ~ 1 x 1:32 Splitter ~ UNC/SAS	TBD	Each	5
Terminals	SlimBox 64 ~ 2 x 1:32 Splitter ~ UNC/SAS	TBD	Each	5
Wall Plate	SlimBox Wall Plate - Indoor w/ Simplex SCA adapter	301122826	Each	360
Connector	EZ-Fuse 900um Splice on Connectors 10-pack	FSOC-SC09-SM-A	10-pack	40
Jumper	EZ-Bend 3.0mm Jumper - 6 feet	JRVDK001SCASCA006F	Each	360
Drop	EZ-Bend 3.0mm Drop ~ UNC/SCA ~ 200'	JRVDW001SCAUNC200F	Each	100
Drop	EZ-Bend 3.0mm Drop ~ UNC/SCA ~ 300'	JRVDW001SCAUNC300F	Each	80
Drop	EZ-Bend 3.0mm Drop ~ UNC/SCA ~ 350'	JRVDW001SCAUNC350F	Each	80
Drop	EZ-Bend 3.0mm Drop ~ UNC/SCA ~ 400'	JRVDW001SCAUNC400F	Each	100

Notes:

- Does not include cables from hut to property, or building to building
- Does not include termination of cables in hut or jumpers required to route within hut

Design Summary: Each individual structure is comprised of 3 pods identified as green, blue, and orange with 25 units per pod. Total of 72 units per structure. The pods are 3 stories tall with 8 units per floor.

The 5 structures have an internal duct system that enters the crawl space of each structure and provides an existing path for build out without needing to do any digging between structures.

The central (green) pod of each structure houses a laundry room and main mechanical room for all 3 pods on the ground level. This would be the location to place a 96 port FDH which would utilize a 12-strand fiber feed from the existing fiber and accommodate the 72 strands needed for full 1:1 distribution in each unit.

From the centrally located FDH we will drop back into the crawl space with a 16mm micro duct from the FDH to each unit on the 1st floor and drill an access hole from the crawl space to the interior wall located directly inside the unit. this interior wall is in the same location on all 3 floors. The 16mm duct will be fished through the interior wall from the 1st floor on the 2nd and 3rd dropping off a push able fiber at each unit which will be terminated on a fiber jack for plug in ONT installation. this would be done at all the units in each pod.

Blue and orange pods would have a 16mm duct placed from the FDH to a splice point in the crawlspace where a push able 24 strand fiber from the FDH will be spliced into the individual runs to each unit accessing the 1st, 2nd, and 3rd floors through the same common interior wall.

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



TOWNSHIP 15	RANGE 1W	SECTION 5	DA#	EFRAP#	HELD ORDER: YES NO ☐ ☒	PERMITS: YES NO ☒ ☐	CUTS REQ: YES NO ☒ ☐	PRESSURE: YES NO ☐ ☒
ASSOCIATED WORK ORDERS	SOURCE MAPS 4940 5140 4930 5139 5040 5240 5039 5239	REVISION NUMBER-DATE-INITIALS REV. REV. REV.	EXCHANGE 8701 CAD# 23102712 ENGR/EXT: RICARDO YAP 907-564-7207 DWN: RY DATE: 10/21/2019	S#	TITLE: FBNK MDU 1721 UNIVERSITY AVE SOUTH - SOPHIE PLAZA	BOROUGH/CNTY ANCHORAGE	SCALE: NTS APR'D: ISSUED:	WO# (2023) 023-1027 SH. 12 OF 12 SHTS.