

CITY OF VALDEZ
DEPARTMENT OF COMMUNITY DEVELOPMENT
P.O. Box 307, Valdez, Alaska 99686
EASEMENT REQUEST

REQUEST
NUMBER

2022 # -E
YEAR NUMBER

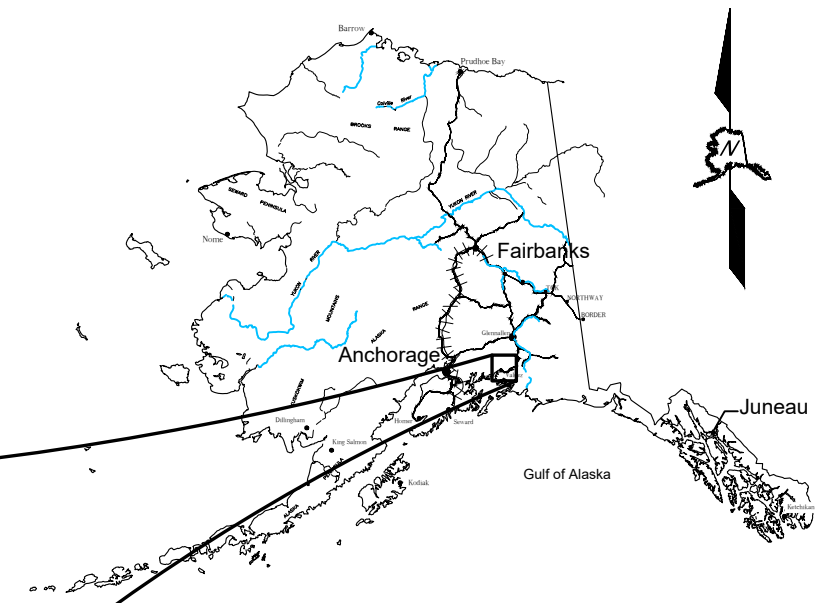
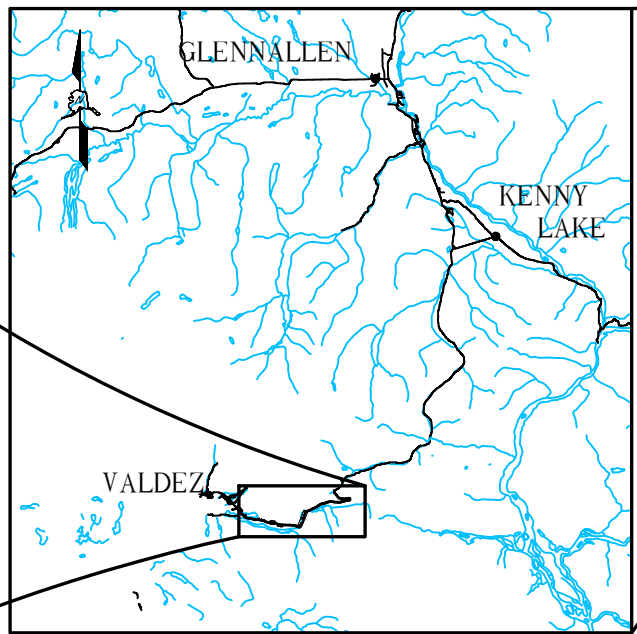
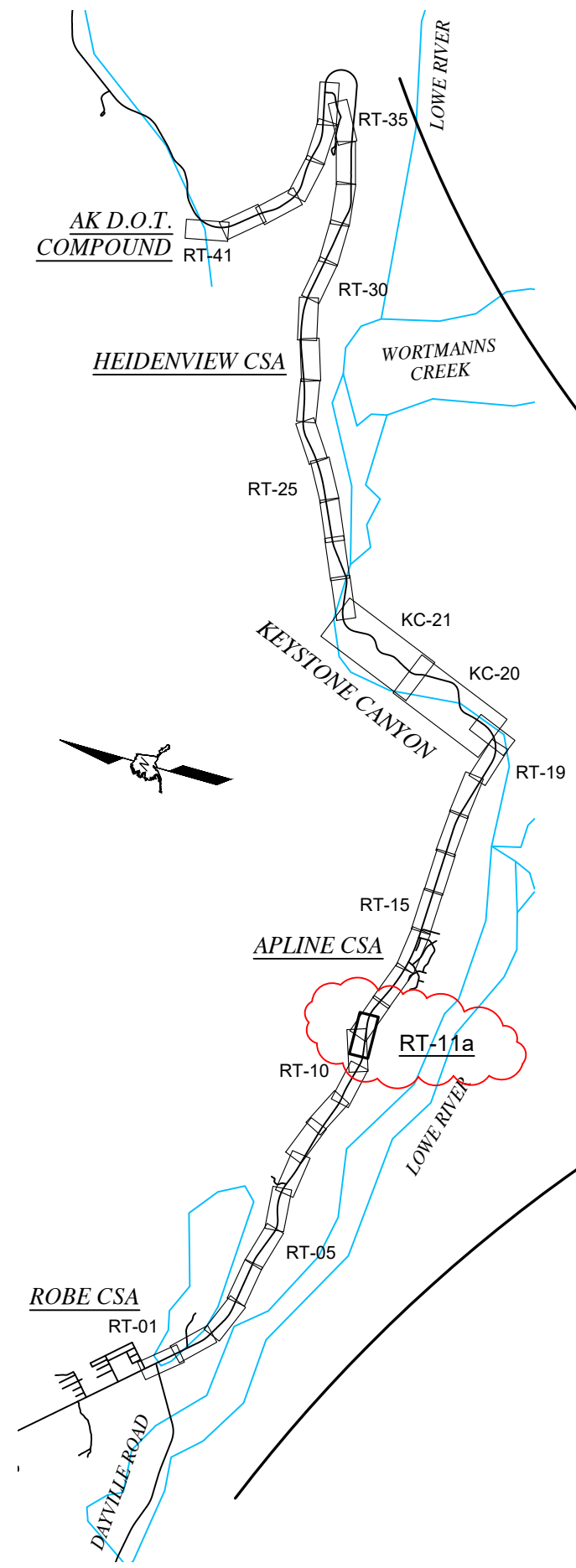
REQUESTOR'S NAME Copper Valley Telecom Cooperative		TYPE OF EASEMENT REQUESTED (UTILITY, ACCESS, ETC.) Utility	
MAILING ADDRESS 329 Fairbanks Drive, Valdez AK 99686	CITY	STATE	ZIP CODE
MAILING ADDRESS 329 Fairbanks Drive, Valdez AK 99686	CITY	STATE	ZIP CODE
STREET ADDRESS 329 Fairbanks Drive, Valdez AK 99686	CITY	STATE	ZIP CODE
LEGAL DESCRIPTION a portion of T09S, R05W Sec 23 & 24, SM, Valdez Recording District	LOT	BLOCK	SUBDIVISION
APPLICATION IS HEREBY FOR PERMISSION TO PLACE, CONSTRUCT AND MAINTAIN A Fiber optic cable (Telecom Facilities)			
ACROSS CITY OF VALDEZ PROPERTY.			
THE FACILITY IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING PLANS AND SPECIFICATIONS DATED: 6/9/22 (ATTACH PLANS AND SPECIFICATIONS TO THIS REQUEST)			
ALL WORK WILL CONFORM WITH CODES: NESC and conformance with general RUS standards			
WORK WILL COMMENCE ON OR ABOUT: 7/1/22			
WORK WILL END ON OR ABOUT: 10/15/22			
THE CONTRACTOR AGREES TO ABIDE BY ALL REGULATIONS AND REQUIREMENTS OF THE CITY OF VALDEZ. THIS CONTRACT SHALL BE SUBJECT AT ALL TIMES TO SUCH CHANGES OR MODIFICATIONS BY THE COUNCIL AS FROM TIME TO TIME THEY DIRECT IN THEIR EXERCISE OF THEIR JURISDICTION. THIS SHALL NOT PREVENT THE CITY OF VALDEZ FROM REQUIRING THE CORRECTIONS OF ERRORS IN PLANS, SPECIFICATIONS, AND OTHER DATA OR FROM PREVENTING CONSTRUCTION FROM BEING CARRIED ON THEREUNDER WHEN THIS RESULTS A VIOLATION OF VALDEZ CITY CODE 13.04.100 AND VALDEZ CITY CODE 13.08.120 OR ANY OTHER ORDINANCE.			
THE CONTRACTOR AGREES TO NOTIFY THE CITY AT LEAST 24 HOURS IN ADVANCE OF ANY WORK WITHIN CITY PROPERTY.			
SIGNATURE _____		DATE _____	
CITY OF VALDEZ USE ONLY			
APPROVAL			
DIRECTOR OF PLANNING DEPARTMENT _____		DATE _____	

COPPER VALLEY TELECOM

TRANSPORT FIBER

RICHARDSON HIGHWAY MP 3-27

MP 8.0-8.8 Re-ROUTE



DRAWING INDEX		
PAGE NO.	SHEET	DESCRIPTION
1	G 1.0	COVER SHEET
2-5	G 2.0-4.1	GENERAL DETAILS
6	RT 011a	RT1 CONST. SHEET
7	-	ASLS 20040006 OVERLAY

LEGEND

	FIBER OPTIC CABLE		SPLICE
	EXISTING DUCT		HANDHOLE
	ROAD CENTERLINE		EXISTING HH/PED
	RIGHT OF WAY		BORE
	SECTION LINES		HWY MILEPOST
	TOWNSHIP LINES		EASEMENTS
	PROPERTY LINES		

NUMBER	REVISION DESCRIPTIONS	DATE

PRELIMINARY/PERMIT 06-09-2022

CUST. WO: 1210014
CVT TRANSPORT FIBER
RICHARDSON HWY MP 3-27
COVER SHEET

PROJECT NO: CVTC 20-09/20-179

ADDITIONAL INFO:

SCALE: NTS	DESIGNED BY: MSF
DRAWN BY: MSF	CHECKED BY: STW

G-1.0

SHEET: 1 OF 46

DESIGN AND CONSTRUCTION GENERAL NOTES:

1. CALL 1-800-478-3121 FOR LOCATION OF OTHER UTILITIES PRIOR TO DIGGING. CAUTION BURIED POWER, GAS, TELEPHONE, COMMUNICATION, & HIGHWAY CONTROL. CABLES ARE KNOWN TO EXIST IN THE AREA TO BE EXCAVATED. NUMEROUS EXISTING UTILITIES MAY EXIST ALONG THE PROPOSED FOC ROUTE. EXISTING UTILITIES HAVE NOT BEEN DELINEATED ON THE PLAN SHEETS DUE TO THE UNRELIABILITY OF RECORD INFORMATION. VERIFY LOCATION BY OBTAINING UTILITY LOCATES PRIOR TO BEGINNING CONSTRUCTION. COORDINATE WITH FIELD ENGINEER ANY CONFLICTS BETWEEN PROPOSED FOC ALIGNMENT AND EXISTING UTILITIES. USE EXTREME CAUTION & WHEN REQUIRED, POTHOLE PRIOR TO COMMENCING WORK.

2. VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION, RECORD LOCATIONS AND CHANGES TO UTILITIES IN SURVEY NOTES AND ON AS-BUILT DRAWINGS.

3. "ALL DUCT" CONDUIT SHALL BE CUT OFF ONE FOOT INSIDE EACH HANDHOLE. ENDS OF THE CONDUIT SHALL BE SEALED WITH A WATERPROOF BLANK PLUG WHICH CAN BE REMOVED. THE CONDUIT SHALL BE INSTALLED CENTERED ON THE ALIGNMENT AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO DEVIATING FROM THE PLAN AND SHALL MAINTAIN A SET OF AS-BUILT RED LINE MARKUP DRAWINGS ON THE SITE. C.O.E. APPROVAL MUST BE OBTAINED PRIOR TO INCREASING WETLAND IMPACT. CONDUIT SPLICES BETWEEN HANDHOLES SHALL BE CONNECTED AND SEALED WITH COUPLERS AND SHRINK WRAP.

4. PLOWABLE UNDERGROUND UTILITY MARKING TAPE SHALL BE "SAFETY ALERT ORANGE", 5.0 MIL. THICK WITH A TENSILE STRENGTH OF 28 LB/IN (5,600PSI).

5. ONE CABLE OF 96 OR 144 FIBER SINGLE MODE FIBER OPTIC CABLE SHALL BE INSTALLED IN THE 1.5" H.D.P.E. CONDUIT. THE F.O.C. SHALL COME IN 22,000 FOOT LENGTHS MIN. 200 FEET OF THE F.O.C. SHALL BE COILED IN EACH SPLICE MANHOLE AND 100 FEET COILED IN EACH INTERMEDIATE HANDHOLE OR AS SPECIFIED ON PLANS.

6. VERIFY THAT QUALITY ASSURANCE HAS MADE O.T.D.R. READINGS ON REEL BEFORE TAKING TO THE FIELD. IF REQUIRED.

7. DURING FIGURE EIGHT OPERATIONS USE CAUTION TO ENSURE THAT MINIMUM RADIUS IS NOT VIOLATED, THAT KINKING DOES NOT OCCUR, AND THAT THE CABLE IS NOT CRUSHED. DO NOT LEAVE GROUND LAID F.O.C. UNATTENDED!!! BENDING RADIUS OF FIBER OPTIC CABLE VARIES PER TYPE OF FIBER OPTIC CABLE.

8. TRENCH FOR THE DUCT SHALL BE EXCAVATED OR PLOWED WITH A MINIMUM OF 42 INCHES COVER PROVIDED OVER THE TOP OF THE DUCT. UNDERGROUND UTILITY MARKING TAPE SHALL BE INSTALLED APPROXIMATELY ONE FOOT BELOW THE GROUND SURFACE (± 6 INCHES). WHEN ROCK IS ENCOUNTERED IT SHALL BE SAWN OR RIPPED TO A DEPTH OF 24 INCHES AND 2 INCHES OF SAND SLURRY OR D1 BEDDING INSTALLED UNDER THE DUCT AND 2 INCHES OF SAND SLURRY OR D1 MATERIAL PLACED OVER THE DUCT. BACKFILL MATERIAL SHALL BE 2" MINUS MATERIAL CONTAINING SUFFICIENT FINES TO ALLOW FOR COMPACTION OR AS APPROVED BY ENGINEER. MATERIAL TO BE FIRMLY COMPACTED TO PREVENT RUN-OFF. IF THE GRADE OF THE RUN EXCEEDS 150', A TRENCH BLOCK OF "SAKRETE" WILL BE INSTALLED AT 100' INTERVALS. ROAD AND RAILROAD CROSSINGS, AND UNSTABLE AREAS WILL REQUIRE A MINIMUM OF 48 INCHES OF COVER FROM THE DUCT TO THE TOE OF THE EMBANKMENT OR GROUND SURFACE. SEE DRAWINGS AND DETAILS FOR ADDITIONAL REQUIREMENTS.

9. AT ALL TRENCHED ROAD CROSSINGS, THE EXCAVATED NATIVE SOIL MAY BE PLACED BACK IN THE TRENCH AS BACK FILL IN 6 INCH LIFTS, COMPACTED TO 95% MINIMUM OF THE MAXIMUM STANDARD DENSITY, UNLESS DIRECTED OTHERWISE BY THE ENGINEER. TRENCHED EXCAVATIONS OUTSIDE OF ROAD PRISMS SHALL BE BACK FILLED WITH NATIVE MATERIAL IN 12 INCH LIFTS COMPACTED TO APPROXIMATELY 90% RELATIVE DENSITY. DO NOT DROP BACK FILL ONTO THE DUCT. SPLIT CONDUIT SHALL BE INSTALLED AT ROAD CROSSINGS. SEE DRAWINGS AND DETAILS FOR ADDITIONAL REMARKS.

10. BORING SHALL BE DONE BY CREWS AND EQUIPMENT APPROVED BY THE ENGINEER. THE BORE SHALL NOT DESCEND AT A RATE OF MORE THAN 30 DEGREES. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE A.D.E.C. REGULATIONS ON BORING AND THE USE OF BENTONITE. BORES OCCURRING UNDER ROAD OR RAILROAD PRISMS SHALL BE 4 FEET BELOW THE DITCH (TOE OF EMBANKMENT) BOTTOM FOR ROAD CROSSINGS. BORES OF EXISTING DRIVEWAYS/ROADS OF 50 FEET OR LESS MAY BE DONE WITH A "HOLE HOG" AND DO NOT REQUIRE HAND HOLES AT THEIR TERMINATION POINTS. BORES UNDER RIVERS SHALL BE MIN. 10' BELOW SCOUR LINE.

11. CABLE BORES SHALL BE ROUTED BELOW EXISTING UTILITY LINES. ALL UTILITY LINES LOCATES SHALL BE REQUESTED BY THE CONTRACTOR, AND THE DEPTH OF THE LINES SHALL BE DETERMINED BY POTHOLING OR FROM INFORMATION OBTAINED FROM THE LOCAL AGENCIES.

12. SIGN AND/OR FLAG WORK LOCATIONS WITHIN OR ADJACENT TO HIGHWAY/ROAD ROW IN ACCORDANCE WITH STATE & BOROUGH SAFETY PROCEDURES. TRAFFIC CONTROL & SAFETY PLANS WILL HAVE TO BE PREPARED BY THE CONTRACTOR & SUBMITTED TO ADOT FOR APPROVAL PRIOR TO START OF CONSTRUCTION.

13. TIE WRAP F.O.C. CABLE DESIGNATION TAGS IN EACH HAND HOLE OVER CABLE. MINIMUM 1 PER HOLE UNDER CLAMP IN AERIAL BUILD.

14. CONDUIT ENDS MUST BE CAPPED AT ALL TIMES, WITH BLANK PLUGS.

15. RETURN ALL EXCAVATED AREAS OR AREAS DISTURBED BY CONSTRUCTION BACK TO AS GOOD OR BETTER THAN ORIGINAL CONDITION. DO NOT DISTURB LOT PINS OR SURVEY MARKERS. ALL SURVEY STAKES & LATH PLACED BY THE CONTRACTOR ARE TO BE REMOVED AND CLEANED UP PRIOR TO COMPLETION OF CONSTRUCTION.

16. ALL AREAS IN THE HWY ROW DISTURBED BY CONSTRUCTION ACTIVITY WILL HAVE TO BE RESEEDDED.

17. SHORING & LADDERS WILL BE REQUIRED FOR ENTERING TRENCH, WHEN TRENCH DEPTH EXCEEDS MAXIMUMS ESTABLISHED BY STATE & OSHA.
18. DISTANCES AND STATIONING OF CONSTRUCTION WORK IS IN FEET.

19. STATIONING IS MEASURED ALONG CENTERLINE OF FOC.

20. ALL DRAWINGS WERE DERIVED FROM ADOT HWY PROJECT DRAWINGS OR SIMILAR SOURCES.

21. DIMENSIONS SHOWN ARE TO CENTER OF PLATTED ROW, FACE OF BLDG., OR CENTERLINE OF FOC UNLESS NOTED OTHERWISE.

22. MAINTAIN MINIMUM TWO FOOT HORIZONTAL & 18 INCH VERTICAL SEPARATION FROM SEWER & WATER LINES AT ANY POINT.

23. DISCHARGE OF SILT LADEN RUNOFF FROM THE JOB SITE IS FORBIDDEN.

24. MAINTAIN A SUPPLY OF OIL ABSORBENT FABRIC ON SITE TO CLEAN UP MINOR SPILLS.

25. KEEP SITE FREE OF LITTER.

26. MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. WATER EXPOSED SOILS AS NECESSARY TO CONTROL GENERATION OF DUST.

27. THE INSPECTOR WILL INSPECT THE SITE PRIOR TO PLACING FILL AND AT REGULAR INTERVALS UNTIL COMPLETION OF THE WORK.

28. COMPACTION AND COMPACTION TESTS SHALL BE PERFORMED ON ALL FILL PLACED WITHIN PAVED ROAD PRISMS.

29. ALL CONSTRUCTION WILL MEET ALL APPLICABLE STATE OF ALASKA, CODES, RULES AND REGULATIONS.

30. DEWATERING MAY BE REQUIRED FOR EXCAVATIONS THAT PENETRATE THE GROUND SURFACE.

31. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE REGULATIONS FOR NOISE, HOURS OF OPERATION AND DUST CONTROL.

32. CONTAMINATED SOILS ARE NOT ANTICIPATED TO BE ENCOUNTERED THROUGHOUT THIS JOB. ANY CONTAMINATED SOILS WHICH ARE ENCOUNTERED ARE OUTSIDE THE SCOPE OF WORK FOR THIS PROJECT. IF CONTAMINATED SOILS ARE ENCOUNTERED, CEASE ANY EXCAVATION AND NOTIFY THE ENGINEER AT ONCE, WHO WILL THEN MAKE APPROPRIATE NOTIFICATION TO ADEC.

33. PLACE CARSONITE CABLE WARNING SIGNS AT ALL ROAD CROSSINGS AND AT 500 FEET INTERVALS ALONG FOC ROUTE AND AS SHOWN ON THE DETAILS.

34. CLEARING OF RIGHT-OF-WAY. (THE ENGINEER WILL BE RESPONSIBLE FOR SPECIFYING ANY SPECIAL CONDITIONS OR INSTRUCTIONS CONCERNING THE RIGHT-OF-WAY CLEARING ON THE CONSTRUCTION DRAWINGS).THE CLEARING WIDTH SHALL BE OF SUFFICIENT WIDTH FOR THE OPERATION OF THE CABLE PLOWING AND CABLE REEL INSTALLATION EQUIPMENT, WITH A MINIMUM CLEARING WIDTH OF 15 FEET. DISRUPTION OF THE GROUND SURFACE SHALL BE KEPT TO A MINIMUM AND THE CABLE PLOWING OPERATION WILL FOLLOW THE TERRAIN OF THE EXISTING GROUND. GRUBBING OF ROOTS SHALL NOT BE ALLOWED UNDER THIS UNIT TO PROTECT THE GROUND SURFACE.

NOTE 1: TREES THAT ARE FELLED THAT ARE 6" DIAMETER AT BREAST HEIGHT OR GREATER SHALL BE CUT TO 8 FOOT LENGTHS AND STACKED ON THE SIDE OF THE RIGHT-OF-WAY FOR THE LANDOWNER.

NOTE 2: TREES LESS THAN 6", BRUSH, BRANCHES, AND REFUSE FROM THE CLEARING OPERATIONS SHALL BE MECHANICALLY CLEARED WITH A HYDRO AX OR CHIPPER AND DISPOSED OF BY THE FOLLOWING METHODS AS DIRECTED BY THE ENGINEER.

35. ALL DUCT COUPLERS SHALL BE ENCASED IN "HEAT SHRINK", MINIMUM 16" LENGTH CENTERED ON COUPLING POINT.

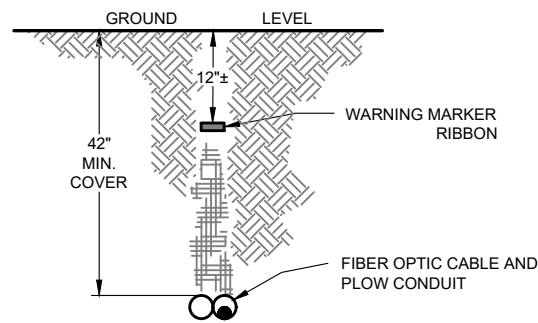
36. ACQUIRE AND PROVIDE GPS POSITION OF AS LAID FOC TO AN ACCURACY MINIMUM OF +/- 7.5 METERS.

UNIT NUMBER	UNIT DESCRIPTION
UFO 144	CABLE F/O 144 - DBL JKT, SNGL-ARMOR, UNDERGROUND IN CONDUIT *LABOR RATE IS FOR BLOWING FIBER
UFO 96	CABLE F/O 96 - DBL JKT, SNGL-ARMOR, UNDERGROUND IN CONDUIT *LABOR RATE IS FOR BLOWING FIBER
BM 92 1.5	INNERDUCT,1.5IN, 42 IN MINIMUM DEPTH OF COVER, FIRST PLOWED DUCT
BM 92 (2x1.5)	INNERDUCT,1.5IN, 42 IN MINIMUM DEPTH OF COVER, INCLUDES FIRST PLOWED DUCT PLUS 1 (ONE) ADDITIONAL
BM 92 (2x1.5)P	INNERDUCT,1.5IN, 42 IN MINIMUM DEPTH OF COVER, INCLUDES FIRST TRENCHED DUCT PLUS 1 (ONE) ADDITIONAL DUCT, TRENCHED IN HIGH DENSITY AREA
BM 60 (2x1.5)	BORED DUCT PLASTIC, 1.5" x 2
BM 60-6	BORED DUCT PLASTIC, 5.3", (6" O.D.)
UD (2x1.5)V	PULL OR PLACE 2X1.5 INNERDUCT IN VACANT CONDUIT
BM 70	COMPACTED ROAD/DRIVEWAY CROSSING added to trenching cost, 42IN MINIMUM DEPTH OF COVER (SQ FT)
BM 71	ROCK EXCAVATING
BHF-4 KIT	HANDHOLE 4FTx4FTx36IN, CONCRETE, steel plate cover & knockouts w/accessories
BM 40 KIT	FO LOCATE ASSEMBLY - Splicing Units
HO-1	FUSION SPLICE, ONE FIBER (FO)
HBFO-6.5	FO SPL CLOSURE (1-4 CABLES)
WHUO	REARRANGE UG CLOSURE FO
BM 21	C.O. ENTRANCE CABLE
LBR PLC	PLACING LABOR
R 1-10	CLEAR & GRUB - 10' ONE SIDE (Region + \$ mob)
R 1-15	CLEAR - 15' CENTERED ON FOC (Region + \$ mob)
BM 53-1	SIGN WARNING F/O BURIED CABLE

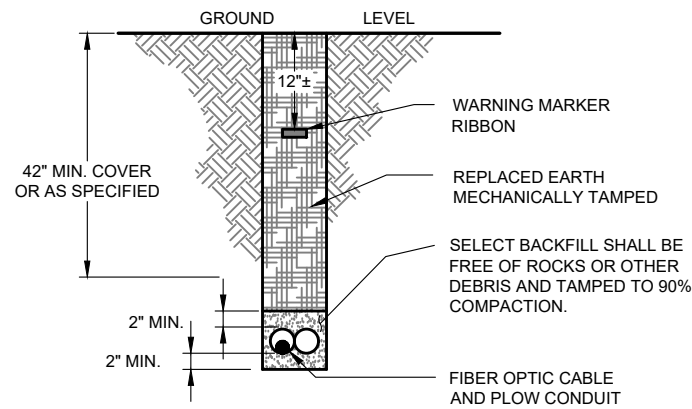
UNIT DESCRIPTION	UFO 144	UFO 96	BM 92-1.5	BM 92-1.5D	BM 92-1.5D (P)	BM 60 (2x1.5)	BM 60-6	UD2-1.5V	BM 70	BM 71	BHF-4 KIT	BM 40 KIT	HO-1	HUO-6.5	WHUO	BM 21	LBR PLC	R 1-10	R 1-15	BM 53-1
TOTALS	93,942	42,055	123,895	123,895	232	4,225	1,345	1,345	1,070	8,198	48	6	1,008	6	10	1	26	56,313	35,935	210

PRELIMINARY/PERMIT06-09-2022

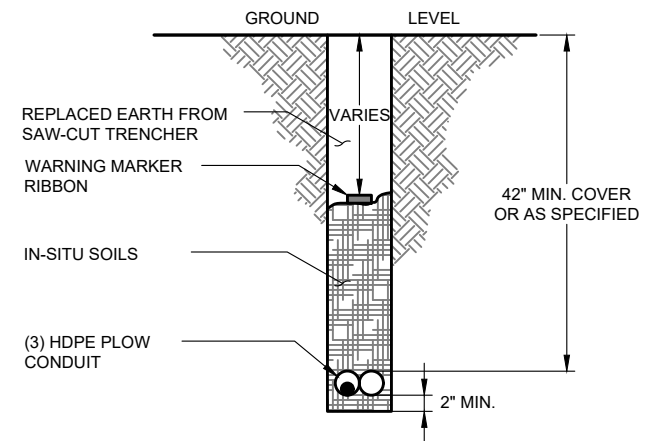
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		CVT TRANSPORT FIBER			
		RICHARDSON HWY MP 3-27			
		BURIED GENERAL NOTES			
		PROJECT NO: CVTC 20-09/20-179			
ADDITIONAL INFO: MP		SCALE: NTS		DESIGNED BY: MSF	
DRAWN BY: MSF		CHECKED BY: STW		G-2.0	
SHEET:		2 OF 46			



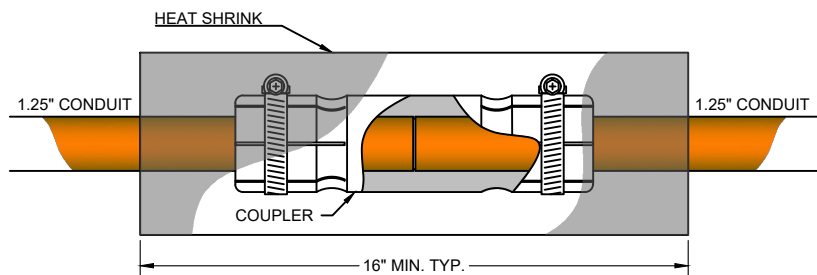
1 PLOWED CABLE
SCALE: NTS



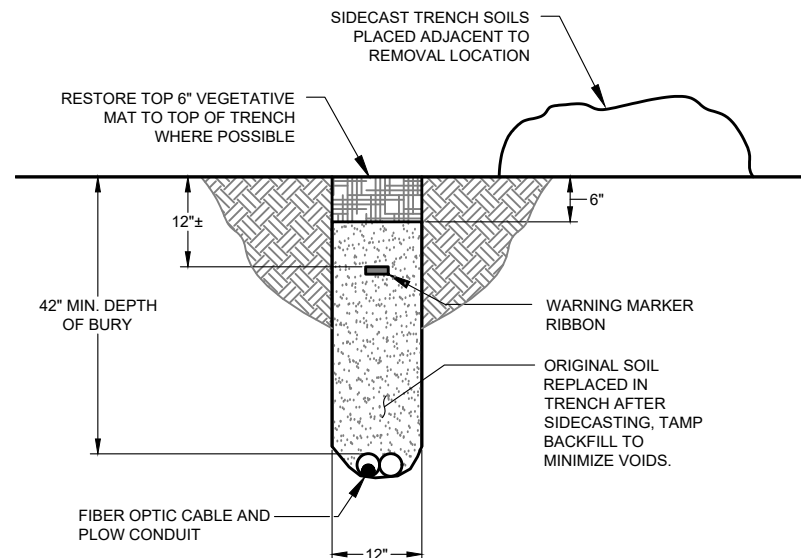
**2 SAW-CUT TRENCH
100% FROZEN SOILS**
SCALE: NTS



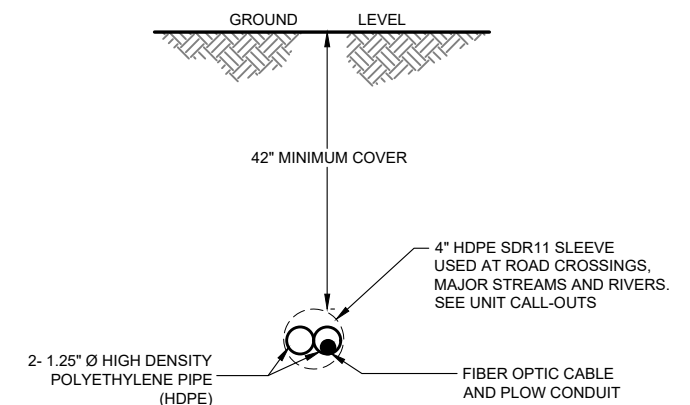
**3 SAW-CUT TRENCH
PARTIALLY FROZEN SOILS**
SCALE: NTS



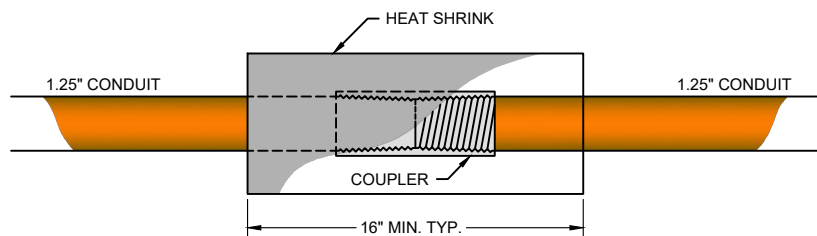
6 SHUR-LOCK TYPE COUPLER
SCALE: NTS



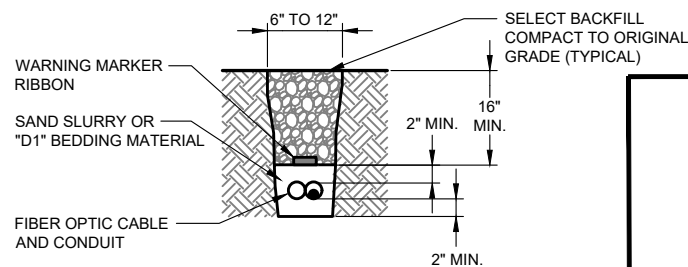
**4 CABLE OPEN TRENCH
IN PERMAFROST**
SCALE: NTS



5 BORE
SCALE: NTS



7 ANODIZED ALUM. REVERSE-THREAD COUPLER
SCALE: NTS



NOTE: SELECT BACKFILL - MATERIAL SHALL BE 2" MINUS MATERIAL CONTAINING SUFFICIENT FINES TO ALLOW FOR COMPACTION OR AS APPROVED BY ENGINEER. MATERIAL TO BE FIRMLY COMPACTED TO PREVENT RUN-OFF. IF THE GRADE OF THE RUN EXCEEDS 150', A TRENCH BLOCK OF "SAKRETE" WILL BE INSTALLED AT 100' INTERVALS.

**8 CABLE OPEN TRENCH
IN ROCK**
SCALE: NTS

PRELIMINARY/PERMIT 06-09-2022



CUST. WO: 1210014
**CVT TRANSPORT FIBER
RICHARDSON HWY MP 3-27**
BURIED DETAILS

PROJECT NO: CVTC 20-09/20-179

ADDITIONAL INFO: MP

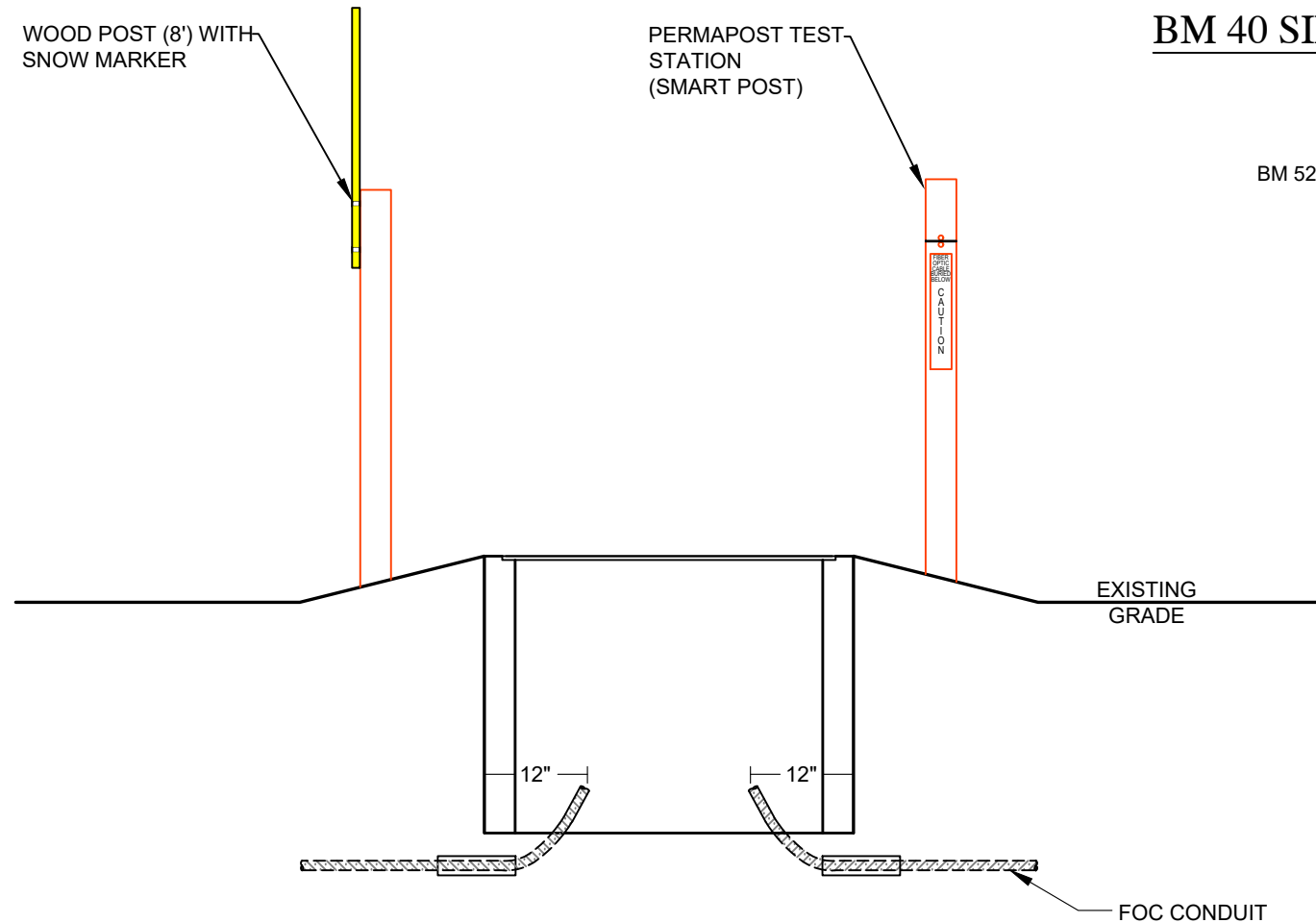
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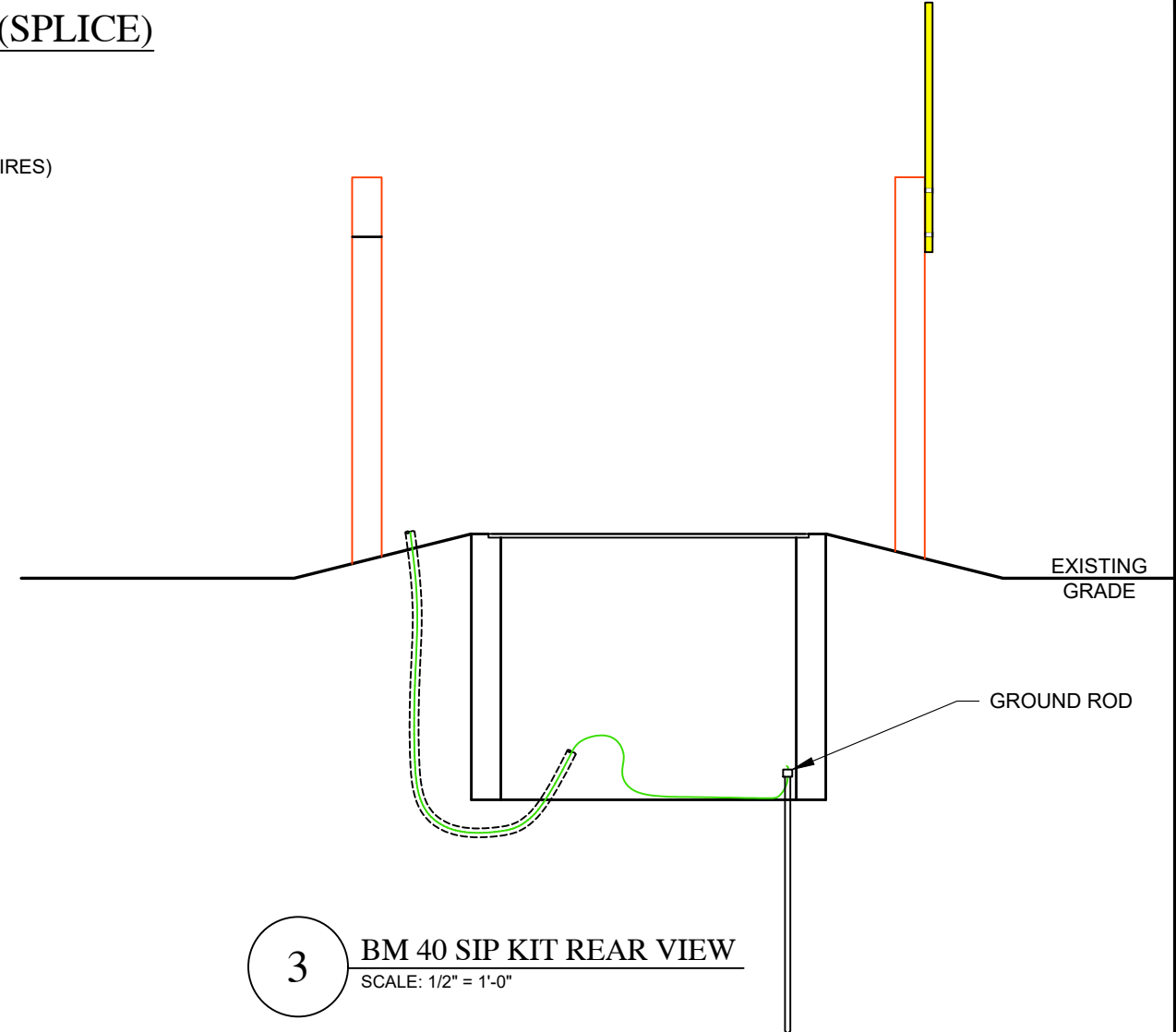
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SHEET: 3 OF 46

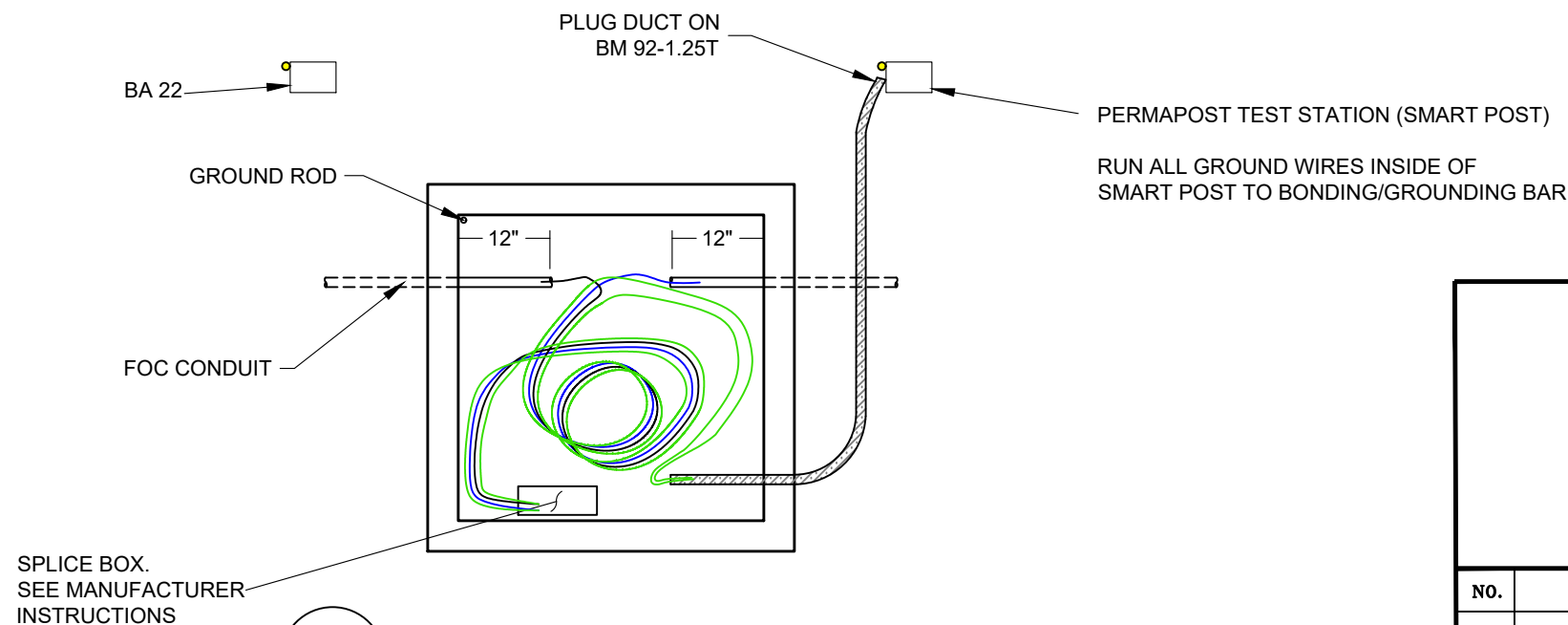
NO.	REVISION DESCRIPTIONS	DATE



2 **BM 40 SIP KIT FRONT VIEW**
SCALE: 1/2" = 1'-0"



3 **BM 40 SIP KIT REAR VIEW**
SCALE: 1/2" = 1'-0"




1 **BM 40 SIP KIT PLAN VIEW**
SCALE: 1/2" = 1'-0"

BM 40 SIP KIT DETAIL (SPLICE)

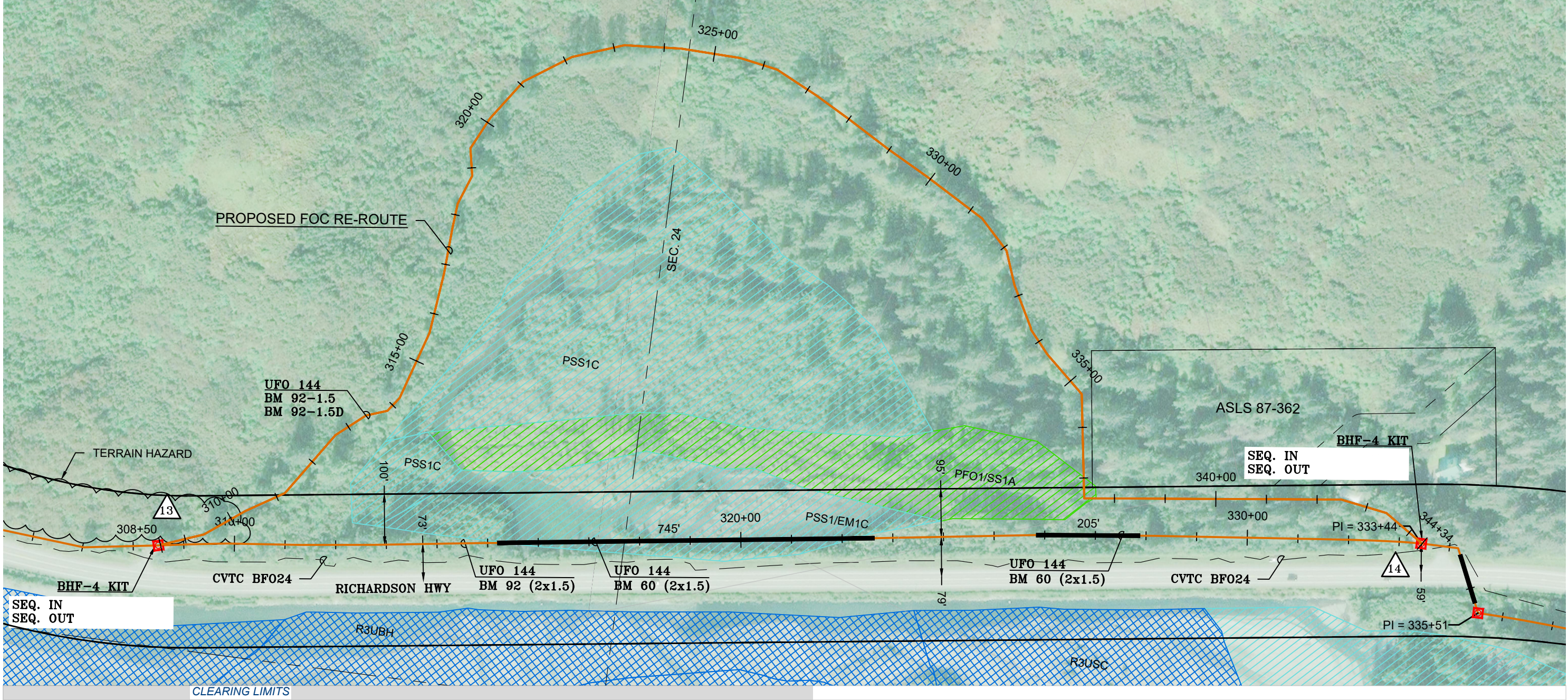
INCLUDES:
GROUND WIRES
BONDING WIRES
LUGS
BM 52 (LABEL ALL #6 GROUND WIRES)

PRELIMINARY/PERMIT 06-09-2022

		CUST. WO: 1210014																
		CVT TRANSPORT FIBER RICHARDSON HWY MP 3-27 BM40 SIP KIT																
PROJECT NO: CVTC 20-09/20-179		ADDITIONAL INFO: MP																
SCALE: NTS		DESIGNED BY: MSF																
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NO.	REVISION DESCRIPTIONS	DATE																
SHEET:		5 OF 46																

SECTION 23,24, T9S, R5W, C.M.

STA 302+55 MATCHLINE - SHEET G-4.1



STA 335+51 MATCHLINE - SHEET -

PRELIMINARY/PERMIT 06-09-2022

UNIT DESCRIPTION	UFO 144	UFO 96	BM 92-1.5	BM 92-1.5D	BM 92-1.5D (P)	BM 60 (2x1.5)	BM 60-6	UD2-1.5V	BM 70	BM 71	BHF-4 KIT	BM 40 KIT	HO-1	HUO-6.5	WHUO	BM 21	LBR PLC	R 1-10	R 1-15	BM 53-1				
14-P ▲	3784		3584	3584							1								3500					
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TOTALS	3784		3584	3584							1								3500					

CUST. WO: 1210014
CVT TRANSPORT FIBER
RICHARDSON HWY MP 3-27
STA 302+55 - STA 335+51

PROJECT NO: CVTC 20-09/20-179
ADDITIONAL INFO: MP 8
SCALE: 1" = 200' DESIGNED BY: MSF
DRAWN BY: MSF CHECKED BY: STW

RT-11A

SHEET: 16 OF 46

USGS STATION "KNIFE"
LAT. = 61° 06' 29.60213"N
LONG. = 146° 11' 53.84604"W
(NAD27)
LAT. = 61° 06' 27.61937"N
LONG. = 146° 12' 01.30935"W
(NAD83) (OPUS)

BASIS OF BEARING
N61°11'15"W GRID BEARING
26,294.46' GRID DISTANCE
N61°18'21"W GEODETIC MEAN BEARING
26,294.20' GEODETIC DISTANCE
SEE NOTE 4, PAGE 1

ROBE LAKE ALASKA SUBDIVISION
ASLS 79-146

BASIS OF COORDINATES
USGS STATION "SPONGE"
LAT. = 61° 04' 25.27502"N
LONG. = 146° 04' 04.80314"W
(NAD27)
LAT. = 61° 04' 23.30065"N
LONG. = 146° 04' 12.22297"W
(NAD83) (OPUS)

ASLS 87-18
0.50 ACRES
SEE NOTE 14, SHEET 1

PROPOSED
FIBER EASEMENT

OUTPUT FROM INVERSE (NGS)

FIRST STATION : SPONGE
LAT = 61° 04' 23.30065" NORTH
LON = 146° 04' 12.22297" WEST

SECOND STATION : KNIFE
LAT = 61° 06' 27.61937" NORTH
LON = 146° 12' 01.30935" WEST

FORWARD AZIMUTH
BACK AZIMUTH
MEAN AZIMUTH
MEAN BEARING
ELLIPSOIDAL DISTANCE
FAZ = 298.45 4.4808 FROM NORTH
BAZ = 118.38 13.8602 FROM NORTH
MAZ = 298.41 39.1759 FROM NORTH
MEAN BRG N61° 18' 21" W
S = 8014.4732 M = 26,294.20'

CENTERLINE OF A GROUP OF TELEPHONE
AND ELECTRICAL CABLES TO ASLS 87-18

LINE NO.	BEARING	LENGTH
L1	N15°31'21"E	40.98'
L2	N10°23'15"E	78.22'
L3	N28°58'16"E	176.07'
L4	N18°47'04"E	187.89'
L5	N20°26'07"E	46.87'
L6	N19°36'58"E	192.11'
L7	N16°52'57"E	18.75'

THE CENTERLINE OF CABLES BEGINS AT
TWO PEDSTALS WITHIN THE RIGHT OF WAY
AND ENDS AT THE TOWER AND BUILDING
WITHIN ASLS 87-18.

	TOTAL ACREAGE	RIPARIAN BUFFER ACREAGE	MUNICIPAL ENTITLEMENT ACREAGE
TRACT A-1	604.153	63.394	540.759
TRACT A-2	429.667	13.757	415.910

PROTRACTED SECTION
LINE EASEMENT
PER AS 19.10.010

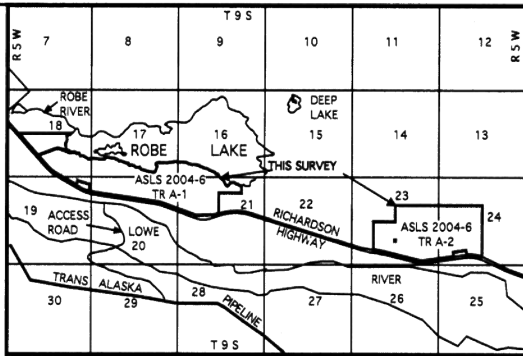
ASLS 2004-6
TRACT A-2

200' PUBLIC ACCESS EASEMENT
AND RIPARIAN BUFFER
SEE NOTE 11, PAGE 1

50' PUBLIC ACCESS EASEMENT
PER AS 38.05.127.

RIGHT BANK OF
HERMIT CREEK

LEFT BANK OF
HERMIT CREEK



USGS QUADRANGLE VALDEZ (A-6) 1951, REV.1980

SCALE: 1" = 1 MILE

VICINITY MAP

LINE NO.	BEARING	LENGTH
L1	N8°03'01"W	276.86'
L2	S81°47'34"W	274.94'
L3	N42°52'45"E	246.50'
L4	N15°33'03"E	101.24'
L5	N51°03'36"E	295.71'
L6	N20°06'53"E	170.30'
L7	N73°33'10"E	285.54'
L8	N47°06'40"E	422.79'
L9	N44°57'29"E	241.15'
L10	S0°00'00"E	588.89'
L11	S47°39'54"W	251.82'
L12	S49°03'58"W	215.66'
L13	S83°14'42"W	169.98'
L14	S50°25'22"W	228.87'
L15	S15°31'39"W	73.88'
L16	S44°00'01"W	282.02'
C1	R=2441.85' DELTA = 0°45'52" 4159.80'	A= 32.58'
PERIMETER AREA		13.757 ACRES

LINE NO.	BEARING	LENGTH	LINE NO.	BEARING	LENGTH
L30	S44°57'29"W	44.61'	L40	S44°57'29"W	20.57'
L31	S47°06'40"W	410.90'	L41	S47°39'54"W	411.91'
L32	S49°51'34"W	192.99'	L42	S49°03'58"W	213.22'
L33	N34°50'12"W	52.33'	L43	N33°15'23"W	64.01'
L34	S73°33'10"W	94.71'	L44	S75°23'08"W	77.86'
L35	S20°06'53"W	124.99'	L45	S21°20'20"W	121.12'
L36	S51°03'36"W	287.03'	L46	S50°25'22"W	283.60'
L37	S15°33'03"W	85.83'	L47	S15°31'39"W	85.69'
L38	S42°52'45"W	103.35'	L48	S44°00'01"W	117.84'

LEGEND

- BLM MONUMENT RECOVERED (IRON POST 2 1/2" WITH BRASS CAP)
- PRIMARY MONUMENT SET THIS SURVEY (SEE NOTE 1)
- PRIMARY MONUMENT RECOVERED (2 1/2" ALUMINUM POST WITH A 3 1/4" ALUMINUM CAP)
- RICHARDSON HIGHWAY CENTERLINE MONUMENT RECOVERED
- U.S.G.S. MONUMENT RECOVERED THIS SURVEY
- SECONDARY MONUMENT RECOVERED (5/8" REBAR W/ 2" ALUM. CAP)
- DOT/PP CONCRETE ROW MARKER (6" X 6" PAINTED YELLOW)
- + x CALCULATED POSITION - NOTHING SET
- BOUNDARY THIS SURVEY
- ORDINARY HIGH WATER
- 50' PUBLIC ACCESS EASEMENT (SEE NOTES 9 & 10, PAGE 1)
- 200' RIPARIAN BUFFER (SEE NOTE 11, PAGE 1)
- EASEMENT
- PROTRACTED SECTION LINE
- CENTERLINE RICHARDSON HIGHWAY

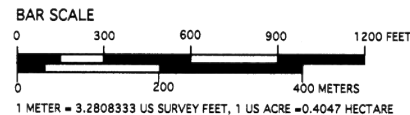
- (R1) RICHARDSON HIGHWAY, MILE 1 TO MILE 6 (SEE NOTE 8, PAGE 1)
- (R2) RICHARDSON HIGHWAY, MILE 6 TO MILE 14 (SEE NOTE 8, PAGE 1)
- (R3) THE BLM PLAT OF TRACT "B" T 9 S, R 5 W, C.R.M. (SEE NOTE 8, PAGE 1)
- (R4) ASLS NO. 79-146 (SEE NOTE 8, PAGE 1)
- (R5) ASLS NO. 87-362 (SEE NOTE 8, PAGE 1)
- (R6) ASLS NO. 87-18 (SEE NOTE 8, PAGE 1)
- (R7) USS 5505 APPROVED 6/11/1970. (R7)
- (R8) USS 5670 APPROVED 1/14/1974. (R8)
- (R9) USS 3323 APPROVED 7/23/1968. (R9)
- (R10) ASCS 98-23 (SEE NOTE 8, PAGE 1)
- (M) MEASURED
- (C) CALCULATED
- WP WITNESS POINT
- C-2 CURVE NUMBER DESIGNATION
- (11) MONUMENT NUMBER DESIGNATION
- C-X CORNER NUMBER

ASLS 2004 TRACT A-2 HIGHWAY CURVE DATA

CURVE NO.	LOCATION	DELTA	RADIUS	DEGREE	ARC	CHORD	CHORD BEARING	TANGENT
C1	CENTERLINE RECORD	6°18'32"	7639.44'	0°45'00"	841.17'	840.75'	S78°54'37"E	421.01'
C1	CENTERLINE MEASURED	6°18'52"	7632.50'	0°45'02"	841.18'	840.75'	S78°55'38"E	421.01'
C2	CENTERLINE RECORD	22°09'32"	1909.86'	3°00'00"	738.64'	734.04'	S86°50'19"E	373.99'
C2	CENTERLINE MEASURED	22°09'07"	1910.39'	2°59'57"	738.59'	734.00'	S86°51'56"E	373.97'
C3	CENTERLINE RECORD	32°46'01"	2291.83'	2°30'00"	1310.89'	1293.08'	S81°32'04"E	673.81'
C3	CENTERLINE MEASURED	32°46'00"	2292.19'	2°29'59"	1310.87'	1293.08'	S81°32'38"E	673.90'

ASLS 2004 TRACT A-2 ROW/ PROPERTY LINE CURVE DATA

CURVE NO.	LOCATION	DELTA	RADIUS	DEGREE	ARC	CHORD	CHORD BEARING	TANGENT
C4	ROW/ PL	5°49'47"	5037.11'	1°08'15"	512.50'	512.27'	N78°19'44"W	256.47'
C5	ROW/ PL	22°12'44"	1122.72'	3°06'12"	435.23'	432.51'	N86°30'43"W	220.37'
C6	ROW/ PL	22°03'41"	2441.85'	2°20'47"	940.22'	934.42'	N82°33'44"W	476.01'



DATE OF SURVEY JULY 13 2005
BEGINNING SEPT. 07, 2018
ENDING

NAME OF SURVEYOR
GILMORE AND ASSOCIATES
HC80 BOX 218
COPPER CENTER, ALASKA 99573
907-822-3344

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER
ANCHORAGE, ALASKA

ALASKA STATE LAND SURVEY NO. 2004-6

CONTAINING 1033.820 ACRES
77.151 RIPARIAN BUFFER ACRES
956.669 MUNICIPAL ENTITLEMENT ACRES
LOCATED WITHIN
PROTRACTED SECTIONS 16, 17, 18, 19, 20, 21, 23, & 24
TOWNSHIP 9 SOUTH, RANGE 5 WEST,
COPPER RIVER MERIDIAN, ALASKA

VALDEZ RECORDING DISTRICT

DRAWN BY T.G. APPROVAL RECOMMENDED
DATE 2/10/2020 STATEWIDE PLATTING SUPERVISOR DATE 4-17-20

SCALE 1"=300' CHECKED L.G. SHEET 4 OF 5 FILE NO. ASLS 20040006

Valdez Recording District PL 2020-4