



Town of High Level
10511 – 103 Street
High Level, AB T0H 1Z0
Canada

Telephone: 780-926-2201
Facsimile: 780-926-2899
town@highlevel.ca
www.highlevel.ca

September 17, 2024

ROHL Gateway Fiber Inc.
11211 266 Street
Acheson, AB
T7X 6E1

NOTICE OF APPROVAL

Utility Company Project File Number:	05-600-13051
Utility Line Assignment Permit Number:	ULA24-001
Registered Landowner:	Not Applicable (Town Right-of-Way)
Location of Approved Works:	93/94 Street / 114 Ave / Highway 35
Description of Installation:	Installation of 32mm HDPE conduit
Type of Installation:	Push / Directional Drill
Name of Town-initiated Project:	Not Applicable

has been APPROVED, subject to the conditions on the attached sheet and as per the drawings submitted by the Applicant.

Upon receipt of this Notice of Approval, the Applicant is authorized to proceed with the approved ULA specified, provided that all conditions are complied with, and the ULA approved under this permit is in accordance with all approved plans and applications submitted by the Applicant.

Date of Issue: September 17, 2024

Date Approval First Publicized: September 18, 2024

Date Permit Effective: September 17, 2024

Logan Bartholow

SIGNATURE OF DEVELOPMENT AUTHORITY

A permit issued in accordance with this Notice of Approval is valid for a period of one (1) year from the date of its issue. If at the expiry of this period of the Utility Line Assignment (ULA) has not commenced or been carried out with reasonable diligence, this permit shall be null and void, unless a permit extension has been filed with the Town of High level Planning and Development Department.

CONDITIONS OF APPROVAL

Utility Line Assignment Permit Number: ULA24-001

1. The Utility Line Assignment shall not be altered, changed, or modified from the approved plans, drawings, and specifications without written authorization from the Development Authority.
2. **All ULA Notice of Approvals issued by the Town of High Level are based upon ULA installations measured from property lines (P/L) only, as detailed in the approved drawings. This Notice of Approval is not based upon measurements from edge of pavement (EOP). The Applicant is responsible for the relocation of any portion of the ULA approved under this permit if an unapproved encroachment on existing municipal infrastructure is found at a later date. The Town of High Level is not liable if an unapproved encroachment is found as a result of the ULA, or portion thereof approved under this permit, was installed by measuring from EOP. All costs associated by the relocation of a ULA or portion thereof shall be borne by the Applicant.**
3. An Applicant for, or in possession of a valid ULA Permit is not relieved from full responsibility for ascertaining, complying with and carrying out all ULA works in accordance with the requirements of:
 - a. The following:
 - i. Environmental Protection and Enhancement Act;
 - ii. National Building Code – Alberta Edition;
 - iii. National Fire Code – Alberta Edition;
 - iv. Natural Resources Conservation Board Act;
 - v. Public Development Act;
 - vi. Safety Codes Act;
 - vii. Water Act; and
 - viii. Any amendment thereto;
 - b. The requirements of any other Federal, Provincial or Municipal enactment or any other law; and
 - c. The conditions of any Caveat, Restrictive Covenant, Easement or other Instrument affecting the subject Building or Land.
4. The Applicant is responsible to ensure that they and their contractors and sub-contractors obtain all other required permits related to this Utility Line Assignment.

5. The Applicant is responsible to ensure that they and their contractors and sub-contractors obtain a Tow of High Level Business Licence before commencing ULA works approved under this permit.
6. The Applicant is responsible for contacting Utility Safety Partners at +1-800-242-3447 or <https://utilitysafety.ca/wheres-the-line/submit-a-locate-request/> prior to commencing any excavation or construction works approved under this permit.
7. Utility Line Assignment works approved under this permit can only be performed during the following hours:
 - d. 0700 to 2200 on weekdays; or
 - e. 0800 to 2300 when the following day is a Saturday, Sunday, or statutory holiday.
8. Unless otherwise specified within this approval, all ULA works approved under this permit must meet the standards defined by the Town of High Level Municipal Engineering and Construction Standards.
9. The Applicant is responsible for submitting a Temporary Road Closure application if the closure of any public street is required to carry out ULA works approved under this permit.
10. The Applicant, their contractors and sub-contractors shall permit and facilitate impromptu onsite inspections conducted, with or without prior notice, by representatives of the Town of High Level Operations department.
11. If during an inspection by the Town of High Level Operations Department an issue is identified, a Stop Work Order may be issued by an authorized Enforcement Officer to immediately cease all works approved under this permit, until such a time that the Town deems it safe, or approves any required modifications to this permit approval, and allows the Applicant, their contractors or sub-contractors to resume works approved under this permit.
12. Any Utility Line Assignment works approved under this permit that requires the removal or disturbance of trees on Town-owned land must be carried out after review, inspection, and approval from the Town of High Level Operations Department.
13. The worksite and the area around the worksite for ULA works approved under this permit shall be kept in a clean and safe manner at all times to ensure public safety.
14. If the Applicant, their contractors, or sub-contractors are experiencing any issues with the general public or registered landowners about the approved ULA works under this permit, the Applicant is responsible for contacting the Town of High Level's Director of Planning & Development at 780-502-0778 or planning@highlevel.ca
15. Any unplanned damages to Municipal infrastructure (including but not limited to hard-surfaced sidewalks, roads, alleyways, unpaved alleyways, underground and aboveground water and sewer infrastructure) as a result of the approved works under this ULA permit, shall be repaired by the Applicant, their contractors or sub-contractors. All costs incurred by the reconstruction of damaged Municipal infrastructure shall be borne by the Applicant, their contractors, or sub-contractors.
16. The Applicant, their contractors, and sub-contractors are responsible for managing traffic control safely within and surrounding the worksite approved under this permit.

17. The Applicant must notify the Planning & Development Department if the ULA approved under this permit is no longer required and the works are effectively cancelled at development@highlevel.ca
18. All surface restoration works shall be completed upon the completion of the ULA works approved under this permit.
19. The Applicant is responsible for providing as-built drawings in CAD and PFD formats, and ULA geospatial data in SHP format to the Planning & Development Department upon project completion to development@highlevel.ca
- 20. The Town of High Level cannot guarantee the spatial accuracy of Aerial Imagery, LiDAR, CAD drawings, or Shapefile data provided by the Town to the Applicant. The property line (P/L) shall prevail if a discrepancy is found in any approved drawings during ULA installation operations. Edge of pavement (EOP) cannot be relied upon as true spatial accuracy in the field, particularly if EOP is based upon third-party or Aerial Imagery data provided by the Town. As such, the Town cannot be held liable for the spatial accuracy of any such data or any costs incurred by the Applicant for the relocation of any portion of the ULA approved under this permit, if deemed necessary by the Town during field inspections.**

HIGH LEVEL SUBSTATION CONSTRUCTION PLAN



DRAWING LIST	
DRAWING NO.	DESCRIPTION
101	LOCATION KEYPLAN
201	WORK SITE KEYPLAN
301	GENERAL NOTES
401 TO 402	TYPICAL DETAILS
501	LEGEND
601	BILL OF MATERIALS
701	TABLE OF CROSSINGS
801	FIBER AND SPLICE SCHEMATIC
901 TO 906	PERMIT DETAIL DRAWINGS
1001 TO 1006	CONSTRUCTION DRAWING
2001 TO 2006	FIBER AND SPLICING PLAN



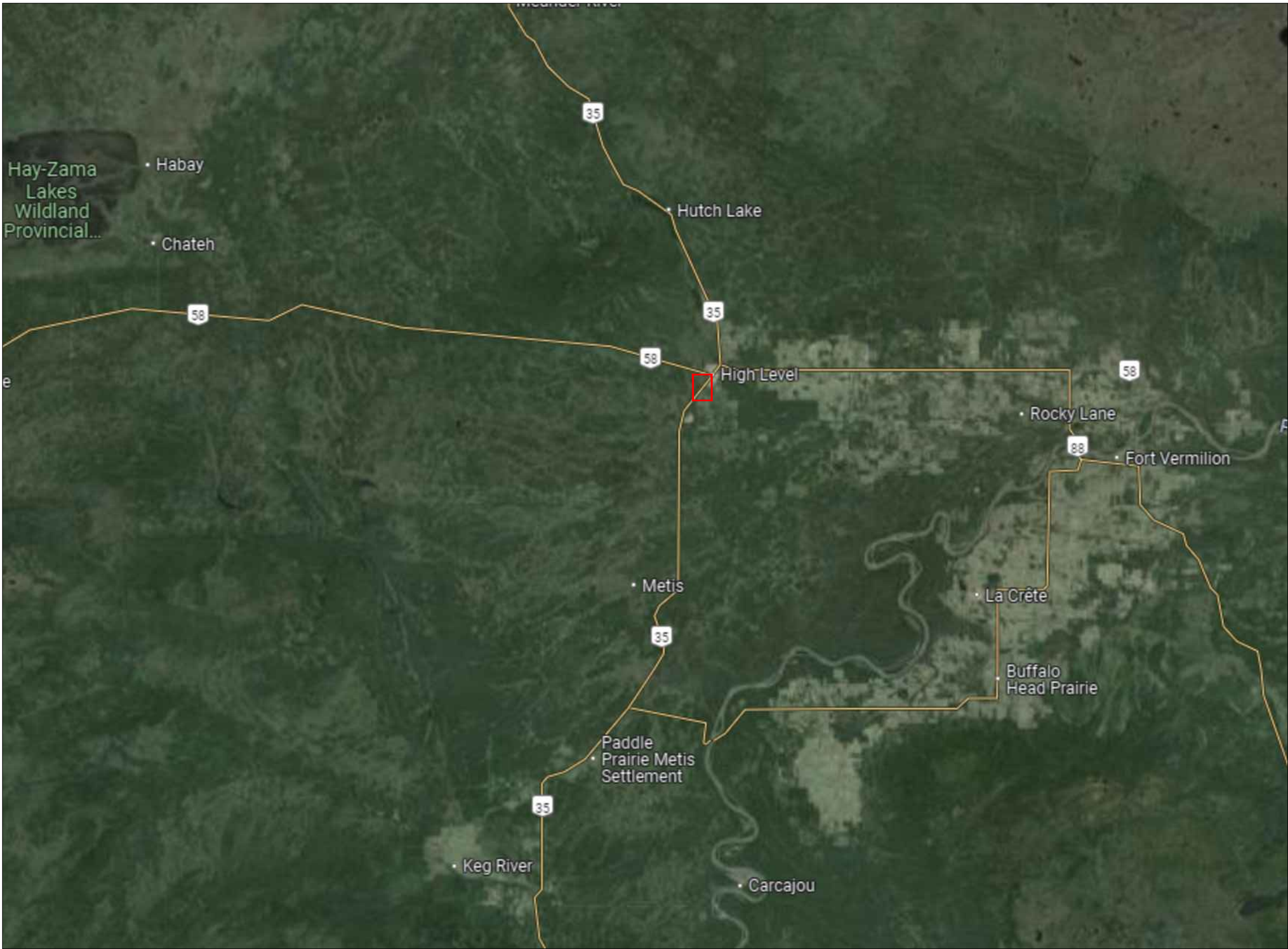
ROHL GLOBAL NETWORKS INC.

MANITOBA
UNIT 1, 5232 PORTAGE AVENUE
HEADINGLEY, MANITOBA
R4H 1E1

ALBERTA
11211 266 STREET
ACHESON, ALBERTA
T7X 6E1

FLORIDA
SUITE 900, 2875 JUPITER PARK DRIVE
JUPITER, FLORIDA
33458

PROJECT NUMBER:			05-600-13051
CUSTOMER:			ROHL GATEWAY FIBER INC.
REV	DATE	DESCRIPTION	
1	2024/09/11	TOWN PROPOSED REALIGNMENT	



ATCO
HIGH LEVEL SUBSTATION

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:



PREPARED BY:

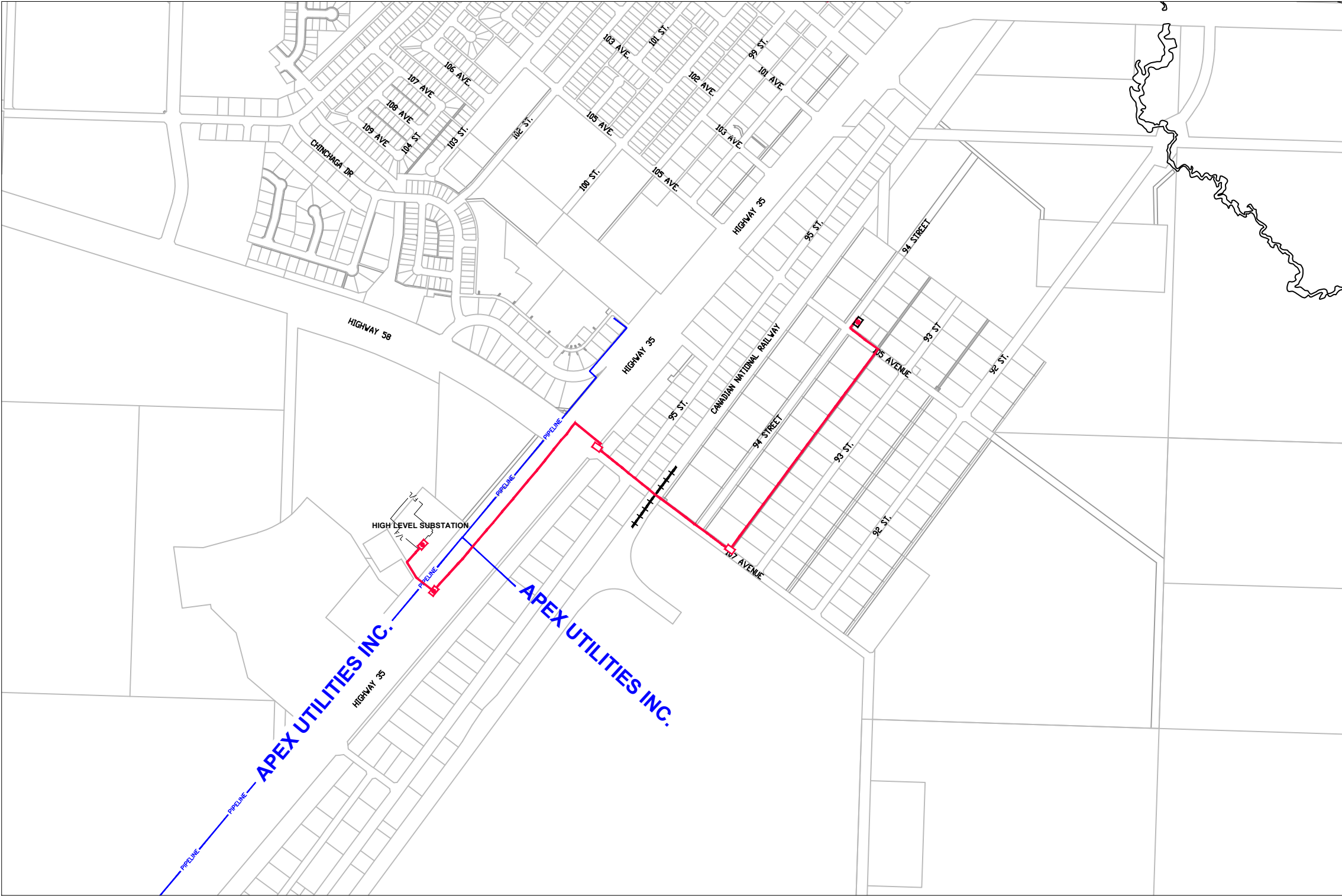


	NEW 1-32mm HDPE		COM	COMMUNICATIONS LINE
	NEW 2-32mm HDPE		GVL	EDGE OF GRAVEL
	NEW 3-32mm HDPE		EOP	EDGE OF PAVEMENT
	NEW 1-19mm DROP		CURB	FACE OF CURB
	EXISTING ROHL CONDUIT		GAS	GAS LINE
	EXISTING ROHL VAULT		PIPELINE	HIGH PRESSURE PIPELINE
	NEW VAULT		PWR	POWER LINE
	SPLICING LOCATION		SAN	SANITARY SEWER LINE
			STRM	STORM SEWER LINE
			WTR	WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No. 101 SHEET: 2 OF 28
CUSTOMER:	ROHL GATEWAY FIBER INC.	
LOCATION:	HIGH LEVEL, AB	
DRAWING:	LOCATION KEYMAP	

ATCO
HIGH LEVEL SUBSTATION



REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

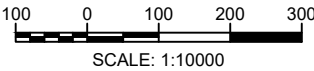
PREPARED FOR:



PREPARED BY:



NEW 1-32mm HDPE	NEW 2-32mm HDPE	NEW 3-32mm HDPE	NEW 1-19mm DROP	EXISTING ROHL CONDUIT	EXISTING ROHL VAULT	NEW VAULT	SPLICING LOCATION	COM	OWL	EOP	CURB	GAS	PIPELINE	PWR	SAN	STRM	WTR	COMMUNICATIONS LINE	EDGE OF GRAVEL	EDGE OF PAVEMENT	FACE OF CURB	GAS LINE	HIGH PRESSURE PIPELINE	POWER LINE	SANITARY SEWER LINE	STORM SEWER LINE	WATER LINE
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DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	201
LOCATION:	HIGH LEVEL, AB	
DRAWING:	WORK SITE KEYPLAN	SHEET: 3 OF 28

GENERAL NOTES

- SUBCONTRACTOR SHALL CONTACT APPROPRIATE AUTHORITIES TO ARRANGE MARKING OF ALL EXISTING UNDERGROUND STRUCTURES AND UTILITIES IN THE LOCATION A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING ANY CONSTRUCTION ACTIVITIES. UTILITIES SHALL BE PERMANENTLY MARKED USING SUITABLE PAINT OR FLAGGING TO FACILITATE CONFLICT IDENTIFICATION PRIOR TO ALIGNMENT CONFIRMATION. LOCAL UTILITY CONSORTIUMS SHALL BE CONTACTED TO ARRANGE LOCATE INSPECTIONS AS REQUIRED. ONE CALL UTILITY IDENTIFICATION COMPANIES HAVE BEEN ESTABLISHED THROUGHOUT CANADIAN MUNICIPALITIES TO ASSIST CONTRACTORS WITH THEIR IDENTIFICATION OF UTILITIES. A COPY OF ALL LOCATES SHALL BE KEPT ON SITE BY THE SUBCONTRACTOR, AND MADE AVAILABLE TO CONTRACTOR OR CLIENT UPON REQUEST.
- SUBCONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL RESIDENTS, BUSINESS AND MUNICIPAL DEPARTMENTS PRIOR TO CONSTRUCTION. CONTACT INFORMATION, SCHEDULE, AND IMPACT ISSUES SHOULD BE ADDRESSED IN WRITING ONE WEEK IN ADVANCE OF CONSTRUCTION START.
- SUBCONTRACTOR ASSUMES RESPONSIBILITY FOR ANY AND ALL DAMAGES INCURRED DURING CONSTRUCTION TO PUBLIC AND PRIVATE PROPERTY. THIS INCLUDES, BUT IS NOT LIMITED TO, UNDERGROUND UTILITIES, ROAD SURFACES, ABOVE AND BELOW GROUND STRUCTURES, AND ANY OTHER PROPERTY IN THE VICINITY OF THE PROJECT. ROHL GLOBAL NETWORK SHALL BE RELEASED FROM ANY RESPONSIBILITY FOR REPAIR OF DAMAGE TO UNDERGROUND FACILITIES INFLICTED BY THE SUBCONTRACTOR AND/OR THEIR SUB-CONTRACTORS. THE SUBCONTRACTOR UNDERSTANDS THE RESPONSIBILITY TO REPAIR AND REPORT ALL DAMAGE AT THE TIME OF THE INCIDENT AND AN INITIAL AND ONGOING RESPONSIBILITY TO COMPENSATE ROHL GLOBAL NETWORK FOR FUTURE REPAIR OF ANY SUCH DAMAGE AS SET FORTH IN WARRANTY CLAUSES. A PRECONSRUCTION REVIEW OF ALL DAMAGES SHALL BE UNDERTAKEN AND SUBMITTED WITH ANY CONCERNS PRIOR TO CONSTRUCTION START, IF REQUIRED.
- ALL DIMENSIONS AND DESCRIPTIONS HAVE BEEN COMPILED TO THE BEST OF THE ABILITIES OF THE DESIGNER(S). ALL DIMENSIONS ARE TO BE CONFIRMED IN THE FIELD. DISCREPANCIES SHALL BE IDENTIFIED IN THE FIELD AND RECORDED ON THE AS-BUILT DRAWINGS. CONFLICTS REQUIRING REVISIONS SHALL BE IDENTIFIED BY THE CONTRACTOR 48 HOURS IN ADVANCE OF UNDERTAKING THE WORK.
- FOR ALL CONSTRUCTION, ONLY THE CONTRACTOR IS TO PLACE ADDITIONAL MANHOLES/HANDHOLES TO ACCOMMODATE REEL ENDS COMPLETE WITH 15 METER FIBER ENDS. A 30M SLACK LOOP IS TO BE LEFT IN ALL HANDHOLES THAT ARE NOT A REEL END.
- SUBCONTRACTOR TO PLACE TRACER WIRE PER ROHL GLOBAL NETWORK SPECIFICATIONS IN ALL NEW BURIED LOCATIONS WHEN NONMETALLIC SHEATHED FIBER CABLE IS BEING PLACED.
- SUBCONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL REQUIREMENTS, AS WELL AS VEHICULAR AND PEDESTRIAN SAFETY. THIS MAY REQUIRE COORDINATION WITH MUNICIPAL TRAFFIC CONTROL, RAILWAY AUTHORITIES, DEPARTMENT OF HIGHWAYS, FEDERAL RAILWAY AUTHORITIES, AND PRIVATE LANDOWNERS AS APPLICABLE.
- WORKING SCHEDULE SHALL BE RESEARCHED BY THE CONTRACTOR TO IDENTIFY LOCAL CONSIDERATION FOR SPECIAL EVENTS, SPORTING FUNCTIONS, PARADES, FESTIVALS, OR OTHER CONSIDERATIONS WHICH MAY IMPACT ON PROGRESS, IN ADVANCE OF FINALIZING THE SCHEDULE.

- CONSTRUCTION, MAINTENANCE AND OPERATION, SHALL BE IN ACCORDANCE WITH MUNICIPAL REGULATION, TRANSPORT CANADA, CANADIAN ELECTRICAL CODE, CSA C22.2, CSA 22.3, OSA, WCB, AND ANY OTHER ADOPTED STANDARDS REQUIRED FOR THE SAFE OPERATION AND CONSTRUCTION OF AN ELECTRICAL OR TELECOMMUNICATION SYSTEM AS APPLICABLE.
- BURIED AND MANHOLE MATERIAL AND CLEARANCE DETAILS SHOW MINIMUM VALUES ONLY. SPECIFICALLY, CLEARANCE OF 300mm VERTICAL SEPARATION AND 1000mm HORIZONTAL SEPARATION FROM INSTALLED CONDUIT TO EXISTING UTILITIES IS TO BE MAINTAINED AT ALL MANHOLE STRUCTURES WILL BE PLACED WITH A MINIMUM 850mm CLEARANCE BETWEEN THE FINISHED ROAD SURFACE AND THE ROOF OF THE STRUCTURE.
- PLACEMENT OF DUCT PLUGS, PULL ROPE, MARKER TAPE AND SEALANT IS TO BE INCLUDED IN ALL INSTALLATIONS IN ACCORDANCE WITH THE MOST RECENT EDITION OF ROHL GLOBAL NETWORK INC. NETWORK STANDARDS.
- ALL WORK COMPLETED SHALL BE IN ACCORDANCE WITH MOST RECENT EDITION OF ROHL GLOBAL NETWORK STANDARDS.
- ALL CABLES ARE TO BE TAGGED AND IDENTIFIED AT TIME OF PLACING AND SPLICING.
- CONSTRUCTION QUANTITIES OF PLOW AND DIRECTIONAL BORE ARE APPROXIMATE, SUBCONTRACTOR TO VERIFY QUANTITIES PRIOR TO CONSTRUCTION.

STANDARDS

- CONSTRUCTION, MAINTENANCE, OPERATION, AND GROUNDING SHALL BE IN ACCORDANCE WITH ROHL GLOBAL NETWORK STANDARDS, MUNICIPAL, AND PROVINCIAL REGULATIONS, TRANSPORT CANADA, CANADIAN ELECTRICAL CODE, CSA C22.2, CSA C22.3, CSA C22.3 No. 1 OVERHEAD SYSTEMS, CSA C22.3 No. 3 - ELECTRICAL COORDINATION, CSA C22.3 No. 5.1 RECOMMENDED PRACTICES FOR ELECTRICAL PROTECTION - ELECTRIC CONTACT BETWEEN OVERHEAD SUPPLY AND COMMUNICATIONS LINES, CSA C22.3 No. 7 - UNDERGROUND SYSTEMS, OSA, WCB, AND OTHER ADOPTED STANDARDS REQUIRED FOR THE SAFE OPERATION AND CONSTRUCTION OF AN ELECTRICAL OR TELECOMMUNICATION SYSTEM AS APPLICABLE. THE MOST STRINGENT STANDARD SHALL BE ADHERED TO.



PERMIT NOTES

- LOCATION OF ALL EXISTING UTILITIES ARE APPROXIMATE AND DO NOT REFLECT ANY RECENT CHANGES. PRIOR TO THE COMMENCEMENT OF ANY WORK, THE SUBCONTRACTOR IS RESPONSIBLE FOR ALL LOCATES OF ALL EXISTING UTILITIES. CONTRACTOR TO CONTACT LOCAL ONE CALL SYSTEMS PRIOR TO ANY WORK.
- THE SUBCONTRACTOR IS TO ENSURE THAT A COPY OF ALL PERMITS ARE KEPT ON SITE FOR VIEWING AT ALL TIMES.
- THESE DRAWINGS REQUIRE APPROVAL FROM VARIOUS AGENCIES PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING A PRE-CONSTRUCTION MEETING WITH THE LEAD AGENCY PRIOR TO COMMENCING WORK
- THE SUBCONTRACTOR IS REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK ON SITE.

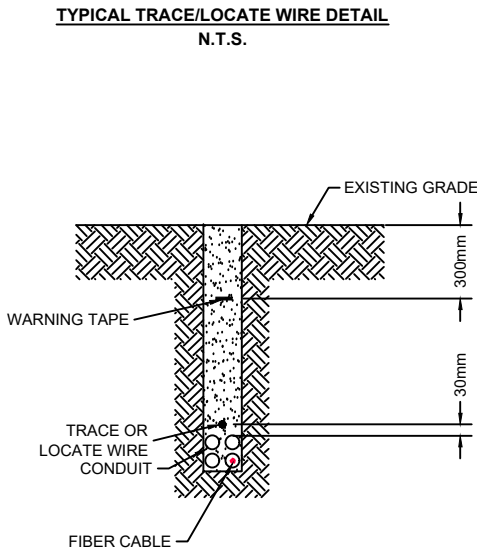
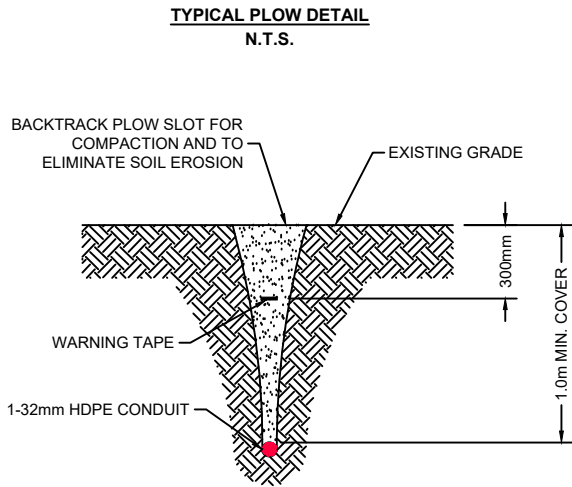
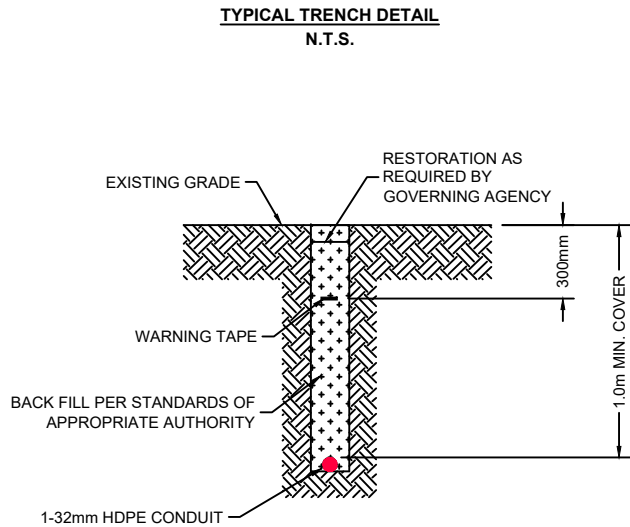
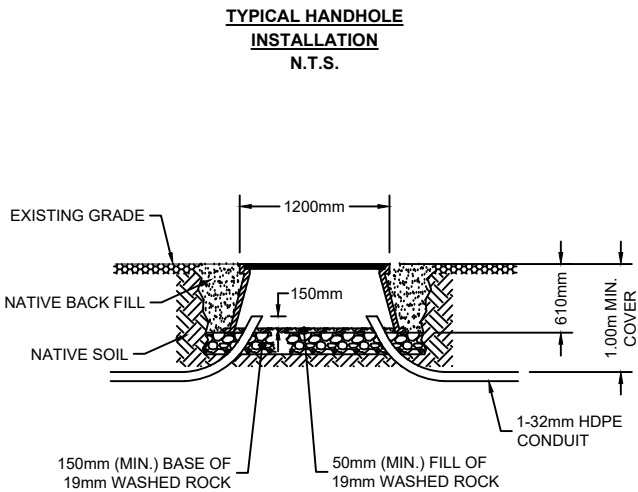
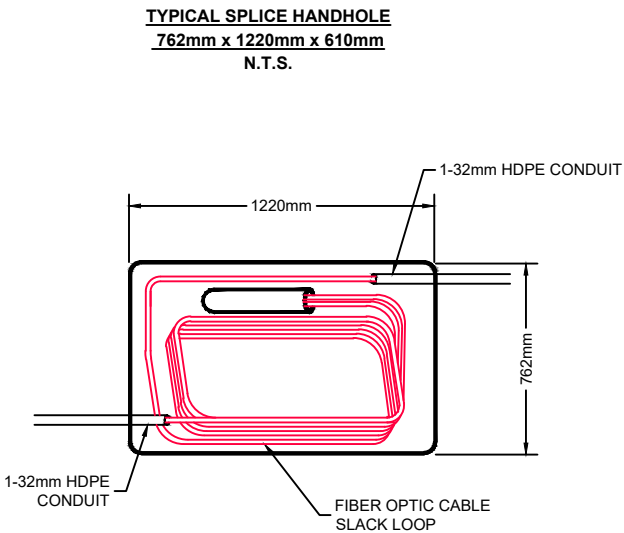
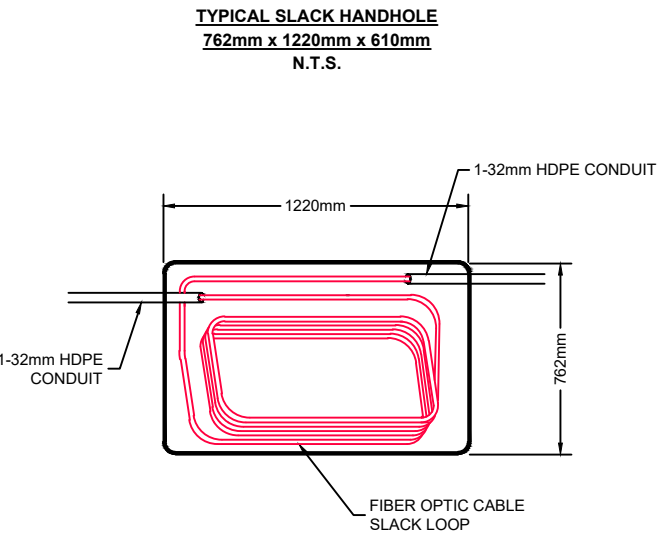
BENDING RADIUS

- BENDING RADIUS SHALL ADHERE TO THE FOLLOWING SPECIFICATIONS:
 - =90° R=0.09m ST=0.91m LC=1.42m E=0.38m
 - =45° R=0.90m ST=0.37m LC=0.71m E=0.07m

ATCO
HIGH LEVEL SUBSTATION

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION
PREPARED FOR:		PREPARED BY:
		
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ATCO
HIGH LEVEL SUBSTATION



REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:



PREPARED BY:

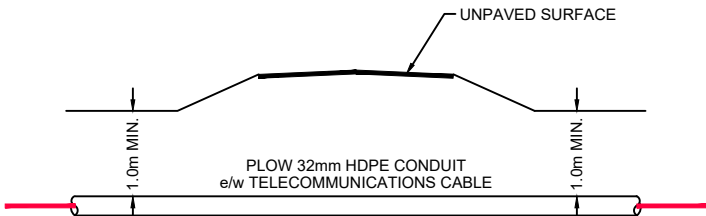


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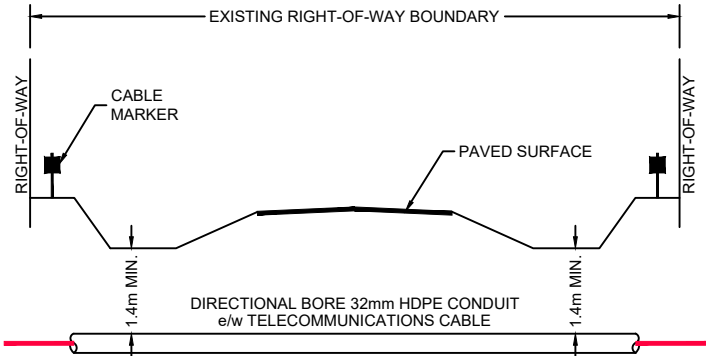
DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	401
LOCATION:	HIGH LEVEL, AB	SHEET: 5 OF 28
DRAWING:	TYPICAL DETAILS	

ATCO
HIGH LEVEL SUBSTATION

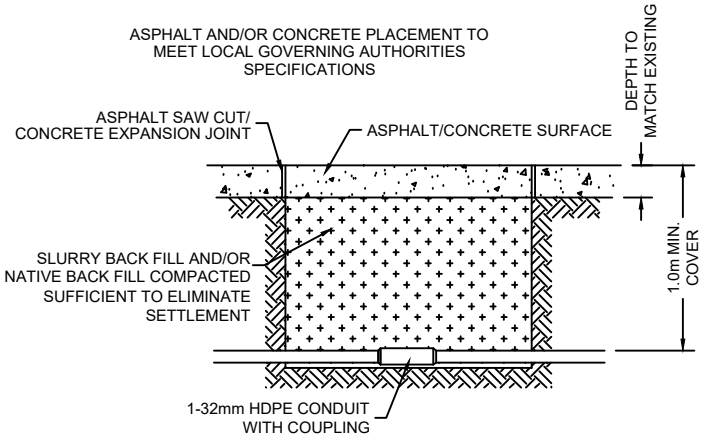
TYPICAL UNPAVED DRIVEWAY
AND FIELD APPROACH
N.T.S.



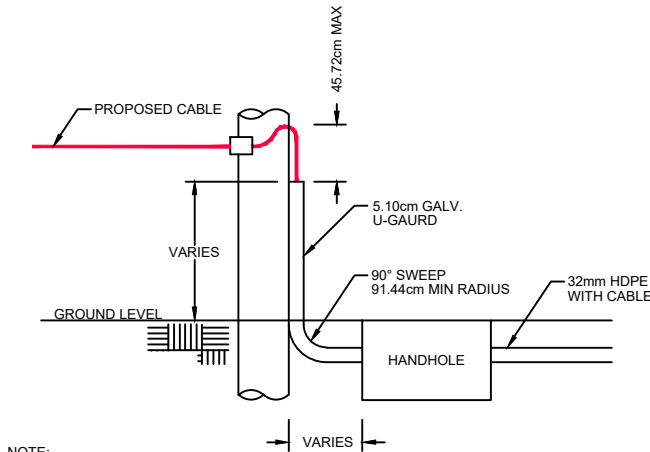
TYPICAL HIGHWAY OR ROAD CROSSING
N.T.S.



TYPICAL CUT AND RESTORE SURFACE
N.T.S.

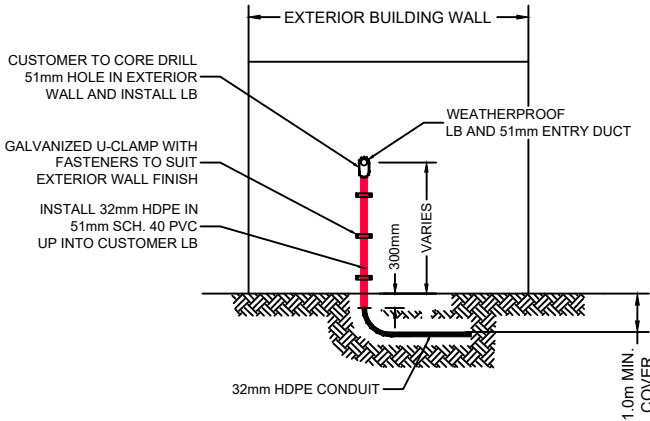


TYPICAL RISER POLE DETAIL
N.T.S.

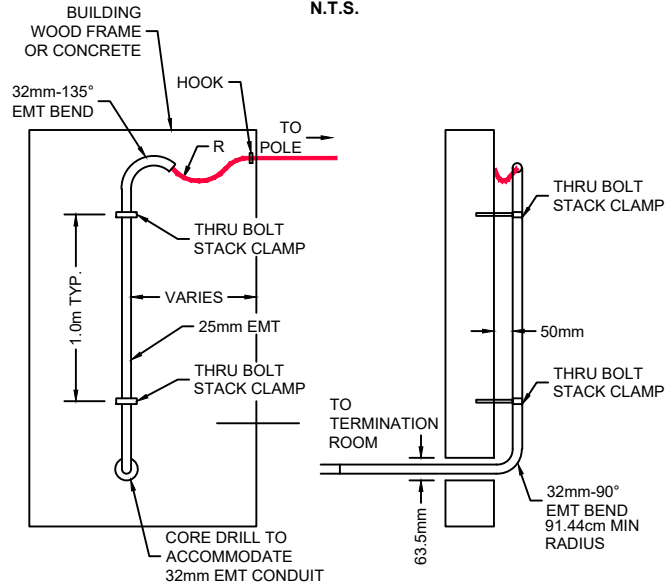


- NOTE:
- HANDHOLE MAY BE ELIMINATED IF NOT REQUIRED
 - STAND-OFF BRACKETS MAY BE REQUIRED INSTEAD OF U-GUARD

TYPICAL BUILDING ENTRANCE
ABOVE GROUND DETAIL
N.T.S.



TYPICAL AERIAL BUILDING
ENTRANCE DETAIL
N.T.S.



REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:



PREPARED BY:











































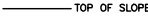























	NEW 1-32mm HDPE		COM	COMMUNICATIONS LINE
	NEW 2-32mm HDPE		OWL	EDGE OF GRAVEL
	NEW 3-32mm HDPE		EOP	EDGE OF PAVEMENT
	NEW 1-19mm DROP		CURB	FACE OF CURB
	EXISTING ROHL CONDUIT		GAS	GAS LINE
	EXISTING ROHL VAULT		PIPELINE	HIGH PRESSURE PIPELINE
	NEW VAULT		PWR	POWER LINE
	SPLICING LOCATION		SAN	SANITARY SEWER LINE
			STRM	STORM SEWER LINE
			WTR	WATER LINE
















DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	402
LOCATION:	HIGH LEVEL, AB	
DRAWING:	TYPICAL DETAILS	SHEET: 6 OF 28

ATCO
HIGH LEVEL SUBSTATION








EXISTING PLANT

		BOTTOM OF SLOPE
		BUSH LINE
		CENTER LINE
		COMMUNICATIONS LINE
		CROP LINE
		EDGE OF GRAVEL
		EDGE OF PAVEMENT
		EDGE OF WATER
		FACE OF CURB
		FENCE LINE
		FIBER OPTIC CABLE
		GAS LINE
		GUARDRAIL
		PIPELINE
		POWER LINE
		PROPERTY LINE/ROW
		RAILROAD
		SANITARY SEWER LINE












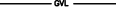
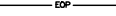
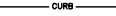






		STORM SEWER LINE
		SEWER LINE
		TOP OF SLOPE
		TREE LINE
		WATER LINE
		ANCHOR
		CATCH BASIN
		CAUTION SYMBOL
		CONTROL BOX - TRAFFIC
		CULVERT
		FENCE POST
		FIRE HYDRANT
		FLAGPOLE
		HANDHOLE - COMMUNICATIONS
		HANDHOLE - POWER
		HANDHOLE - TRAFFIC
		HIGHWAY SIGN
		LIGHT - STREET
		LIGHT - TRAFFIC
		MANHOLE - COMMUNICATIONS
		MANHOLE - POWER
		MANHOLE - SANITARY SEWER
		MANHOLE - STORM SEWER

	MANHOLE - WATER
	MARKER - COMMUNICATIONS
	MARKER - GAS
	MARKER - POWER
	MARKER - SURVEY
	MARKER - WATER
	METER - GAS
	METER - POWER
	METER - WATER
	PEDESTAL - COMMUNICATIONS
	PEDESTAL - POWER
	POLE
	PROPERTY PIN
	RAILROAD MILE POST
	RAILROAD SIGNAL

PROPOSED PLANT

	RUNNING LINE
	CHANGE IN CONSTRUCTION METHOD
	HANDHOLE - PROPOSED
	SPLICE LOCATION
	STATION HASH MARK
	WORK LOCATION
	CROSSING LOCATION

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR: 	PREPARED BY: 
 NEW 1-32mm HDPE  NEW 2-32mm HDPE  NEW 3-32mm HDPE  NEW 1-19mm DROP  EXISTING ROHL CONDUIT  EXISTING ROHL VAULT  NEW VAULT  SPLICING LOCATION	 COMMUNICATIONS LINE  EDGE OF GRAVEL  EDGE OF PAVEMENT  FACE OF CURB  GAS LINE  HIGH PRESSURE PIPELINE  POWER LINE  SANITARY SEWER LINE  STORM SEWER LINE  WATER LINE

DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	501
LOCATION:	HIGH LEVEL, AB	SHEET: 7 OF 28
DRAWING:	LEGEND	

ATCO

HIGH LEVEL SUBSTATION

ITEM #		MATERIALS	CATEGORY	ITEM	QUANTITY	UNITS	ITEM #		LABOR	CATEGORY	ITEM	QUANTITY	UNITS
CPE MATERIALS							OSP INSTALLATION						
1		MATERIALS	CPE	Fiber Patch Panel - 6 Fiber Wall Mount		each	61		LABOR	Duct	Trenching and Restoration - Asphalt/Concrete		meter
2		MATERIALS	CPE	Fiber Patch Panel - 12 Fiber Wall Mount		each	62		LABOR	Duct	Trenching and Restoration - Gravel/Sod		meter
3		MATERIALS	CPE	Fiber Patch Panel - 24 Fiber Wall Mount		each	63		LABOR	Duct	Plow - 1-32mm HDPE	464	meter
4		MATERIALS	CPE	Fiber Patch Panel - 6 Fiber Rack Mount		each	64		LABOR	Duct	Plow - 2-32mm HDPE		meter
5		MATERIALS	CPE	Fiber Patch Panel - 12 Fiber Rack Mount		each	65		LABOR	Duct	Plow - 3-32mm HDPE		meter
6		MATERIALS	CPE	Fiber Patch Panel - 24 Fiber Rack Mount		each	66		LABOR	Duct	Plow - 19mm Drop HDPE		meter
7		MATERIALS	CPE	Equipment Mounting Shelf - 0.48m x 0.50m		each	67		LABOR	Duct	Directional Bore - 1-32mm HDPE	1713	meter
8		MATERIALS	CPE	19mm Plywood Backboard - 0.60m x 0.60m		each	68		LABOR	Duct	Directional Bore - 2-32mm HDPE		meter
9		MATERIALS	CPE	Building Entrance Kit		each	69		LABOR	Duct	Directional Bore - 3-32mm HDPE		meter
10		MATERIALS	CPE	Tracer Wire - #10		meter	70		LABOR	Duct	Directional Bore - 4-32mm HDPE		meter
OSP MATERIALS							71		LABOR	Duct	Directional Bore - 19mm Drop HDPE		meter
11		MATERIALS	Fiber	Fiber - 6 Strand SMF FT4 Rated		meter	72		LABOR	Duct	Directional Bore - 102mm Steel Railway Crossing		meter
12		MATERIALS	Fiber	Fiber - 12 Strand SMF FT4 Rated		meter	73		LABOR	Duct	Hydrovac		hours
13		MATERIALS	Fiber	Fiber - 24 Strand SMF FT4 (PLUS 5%)	230	meter	74		LABOR	Duct	Place Duct Along Bridge		meter
14		MATERIALS	Fiber	Fiber - 12 Strand SMF PSP		meter	75		LABOR	Fiber	Place Fiber in New 32mm Conduit	2177	meter
15		MATERIALS	Fiber	Fiber - 24 Strand SMF PSP (plus 5%)	2200	meter	76		LABOR	Fiber	Place Fiber in New 19mm Conduit		meter
16		MATERIALS	Fiber	Fiber - 36 Strand SMF PSP		meter	77		LABOR	Fiber	Place Fiber up Existing Pole		each
17		MATERIALS	Fiber	Fiber - 48 Strand SMF PSP (plus 5%)		meter	78		LABOR	CPE	Building Entrance Connection (Above Ground)		each
18		MATERIALS	Fiber	Fiber - 72 Strand SMF PSP		meter	79		LABOR	CPE	Building Entrance Connection (Underground)		each
19		MATERIALS	Fiber	Fiber - 96 Strand SMF PSP		meter	80		LABOR	CPE	Building Entrance Connection (Underground - Use Existing Building Entrance)		each
20		MATERIALS	Fiber	Fiber - 2 Strand Drop (plus 5%)		meter	81		LABOR	CPE	Core Drill Wall		each
21		MATERIALS	Fiber	Fiber - 12 Strand Drop (plus 5%)		meter	82		LABOR	Enclosures	Place Handhole	4	each
22		MATERIALS	Duct	Conduit - HDPE 32mm SDR 11 (plus 5%)	2300	meter	FIBER SPLICING AND TESTING						
23		MATERIALS	Duct	Conduit - HDPE 19mm DROP (plus 5%)		meter	83		LABOR	Splicing	Fiber Splice or Termination	12	per fusion
24		MATERIALS	Duct	Conduit - Split Duct (plus 5%)		meter	84		LABOR	Splicing	Fiber Termination (Mechanical Connection)	4	per fiber
25		MATERIALS	Duct	Conduit - Steel 102mm		meter	85		LABOR	Splicing	Splice Case Preparation or Re-Opening	4	each
26		MATERIALS	Duct	Coupler - Pushlock - 1.25" HDPE (Orange)	30	each	86		LABOR	Splicing	Pre-Testing Cable Reels		per fiber
27		MATERIALS	Duct	Plug - Split Plug IP Style - 1.25" SDR11 (0.501-550)	10	each	87		LABOR	Splicing	Post-Testing Acceptance Testing	4	per fiber
28		MATERIALS	Duct	Y-Adapter - 102mm HDPE to 102mm HDPE		each	CUSTOMER PREMISE						
29		MATERIALS	Duct	Y-Adapter - 102mm HDPE to 51mm HDPE		each	88		LABOR	CPE	Place Patch Panel at POP or Customer Premise		each
30		MATERIALS	Duct	Y-Adapter - 51mm HDPE to 51mm HDPE		each	89		LABOR	CPE	Install Shelf at Customer Premise		each
31		MATERIALS	Duct	Y-Adapter - 51mm HDPE to 32mm HDPE		each	90		LABOR	CPE	Install Cabinet at Customer Premise		each
32		MATERIALS	Duct	Y-Adapter - 32mm HDPE to 32mm HDPE		each	91		LABOR	CPE	Install Plywood Backboard at Customer Premise		each
33		MATERIALS	Enclosures	Handhole - Channell BULK4 24x36x36 Tier 22 Lid	4	each	92		LABOR	CPE	Install all Dielectric FT4 Cable from Building Entry to UID Server Room		meter
34		MATERIALS	Enclosures	Handhole - Channell BULK7 30x48x36 Tier 22 Lid		each	93		LABOR	CPE	Install Indoor Fiber Cable between Common Room and Server Room in MBU		meter
35		MATERIALS	Enclosures	Handhole - Channell BULK7 30x48x36 FDH Cutout		each	94		LABOR				
36		MATERIALS	Enclosures	Cabinet - Channell - OPTIMUS 144F Hub Cabinet, Vault Mount		each	95		LABOR				
37		MATERIALS	Enclosures	Cabinet - Channell - Splitter Mod Fiber Hub SC/APC 1x32		each	96		LABOR				
38		MATERIALS	Enclosures	Ground Rod - Galvanized 5/8" x 5'	4	each	97		LABOR				
39		MATERIALS	Enclosures	Ground Rod - Clamp 5/8" x 1/2" w/ Breakaway Bolt	4	each	98		LABOR				
40		MATERIALS	Enclosures	Ground Wire #6 Green Stranded	8	meter	99		LABOR				
41		MATERIALS	Enclosures	#6 Short Barrel One Hole 1/4" Hole Lug (Blue)	4	each	100		LABOR				
42		MATERIALS	Enclosures	Galvanized Sign Post - 79"	30	each	101		LABOR				
43		MATERIALS	Enclosures	Sign Hardware Kits - CAP SCREWS_LOCKWASHERNUTS	30	each	102		LABOR				
44		MATERIALS	Enclosures	Buried Cable Sign	30	each	103		LABOR				
45		MATERIALS	Enclosures	Caution Fiber Optic Tag - Orange 3.75" x 1.75"	10	each	104		LABOR				
46		MATERIALS	Enclosures	Caution Fiber Optic Tag - Yellow 3.75" x 1.75"		each	105		LABOR				
47		MATERIALS	Splice Closures	CommScope - FOSC450-B6-4-24-1-B3V	4	each	106		LABOR				
48		MATERIALS	Splice Closures	CommScope - FOSC-ACC-B-TRAY-24F		each	107		LABOR				
49		MATERIALS	Splice Closures	CommScope - FAK-MULDTP-45-4P/CBL-ATT [1F6818-000]		each	108		LABOR				
50		MATERIALS	Splice Closures	CommScope - Single Fusion Splice Sleeve 62mm		each	109		LABOR				
51		MATERIALS	CPE	Fiber NID		each	110		LABOR				
52		MATERIALS	CPE	Primex P1000 6 Port - Duplex SC/APC w/ Splice Tray - Wall Mount		each	111		LABOR				
53		MATERIALS	CPE	Primex P1000 12 Port - Duplex SC/APC w/ Splice Tray - Wall Mount		each	112		LABOR				
54		MATERIALS	CPE	CFLD - 1F SC/APC 1m Pigtail 900um		each	113		LABOR				
55		MATERIALS	CPE	CommScope - Single Fusion Splice Sleeve 62mm		each	114		LABOR				
56		MATERIALS					115		LABOR				
57		MATERIALS					116		LABOR				
58		MATERIALS					117		LABOR				
59		MATERIALS					118		LABOR				
60		MATERIALS					119		LABOR				

REV

YYYY/MM/DD

DESCRIPTION

1

2024/09/11


TOWN PROPOSED REALIGNMENT

0


2024/08/07

ISSUED FOR CONSTRUCTION

PREPARED FOR:



PREPARED BY:



NEW 1-32mm HDPE

NEW 2-32mm HDPE

NEW 3-32mm HDPE

NEW 1-19mm DROP

EXISTING ROHL CONDUIT

EXISTING ROHL VAULT

NEW VAULT

SPLICING LOCATION

COM

COMMUNICATIONS LINE

OWL

EDGE OF GRAVEL

EOP

EDGE OF PAVEMENT

CURB

FACE OF CURB

GAS

GAS LINE

PIPELINE

HIGH PRESSURE PIPELINE

PWR

POWER LINE

SAN

SANITARY SEWER LINE

STRM

STORM SEWER LINE

WTR

WATER LINE

DESIGNED BY:

RD

2024/07/11

DRAWN BY:

MG

2024/08/07

CHECKED BY:

MM

2024/08/07

APPROVED BY:

RD

2024/08/07

PROJECT NUMBER:

05-600-13051

DRAWING No.

CUSTOMER:

ROHL GATEWAY FIBER INC.

601

LOCATION:

HIGH LEVEL, AB

DRAWING:

BILL OF MATERIALS


SHEET: 8 OF 28


ATCO

HIGH LEVEL SUBSTATION

	STATION	LEGAL	OWNER	CROSSING	SHEET	DETAIL		STATION	LEGAL	OWNER	CROSSING	SHEET	DETAIL
1	1+080	SE32 109-19-5	CANADIAN NATIONAL RAILWAY	RAIL ROAD - CROSSING	1003	902	38						
2	1+371	SE32 109-19-5	ALBERTA TRANSPORTATION	HIGHWAY 35 - CROSSING	1004	903	39						
3	1+420	SE32 109-19-5	ALBERTA TRANSPORTATION	HIGHWAY 58 - CROSSING	1004	906	40						
4	1+838	SW32 109-19-5	APEX UTILITIES INC.	HIGH PRESSURE PIPELINE	1005	904	41						
5	2+036	SW32 109-19-5	APEX UTILITIES INC.	HIGH PRESSURE PIPELINE	1006	905	42						
6							43						
7							44						
8							45						
9							46						
10							47						
11							48						
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32							69						
33							70						
34							71						
35							72						
36							73						
37							74						

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:


PREPARED BY:


NEW 1-32mm HDPE

NEW 2-32mm HDPE

NEW 3-32mm HDPE

NEW 1-19mm DROP

EXISTING ROHL CONDUIT

EXISTING ROHL VAULT

NEW VAULT

SPLICING LOCATION

COM

OWL

EOP

CURB

GAS

PIPELINE

PWR

SAN

STRM

WTR

COMMUNICATIONS LINE

EDGE OF GRAVEL

EDGE OF PAVEMENT

FACE OF CURB

GAS LINE

HIGH PRESSURE PIPELINE

POWER LINE

SANITARY SEWER LINE

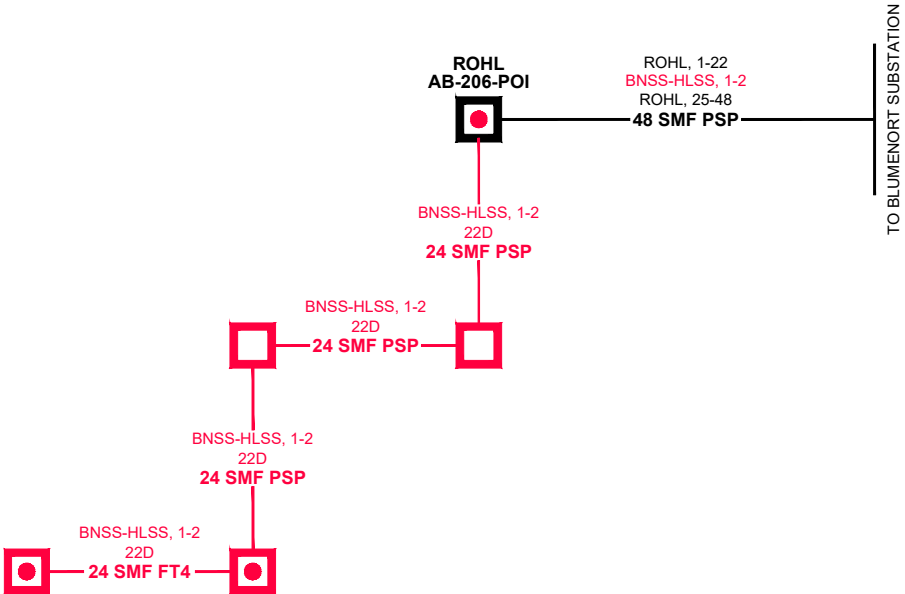
STORM SEWER LINE

WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No. <div>701</div>
CUSTOMER:	ROHL GATEWAY FIBER INC.	
LOCATION:	HIGH LEVEL, AB	
DRAWING:	TABLE OF CROSSINGS	
		SHEET: 9 OF 28


ATCO

HIGH LEVEL SUBSTATION

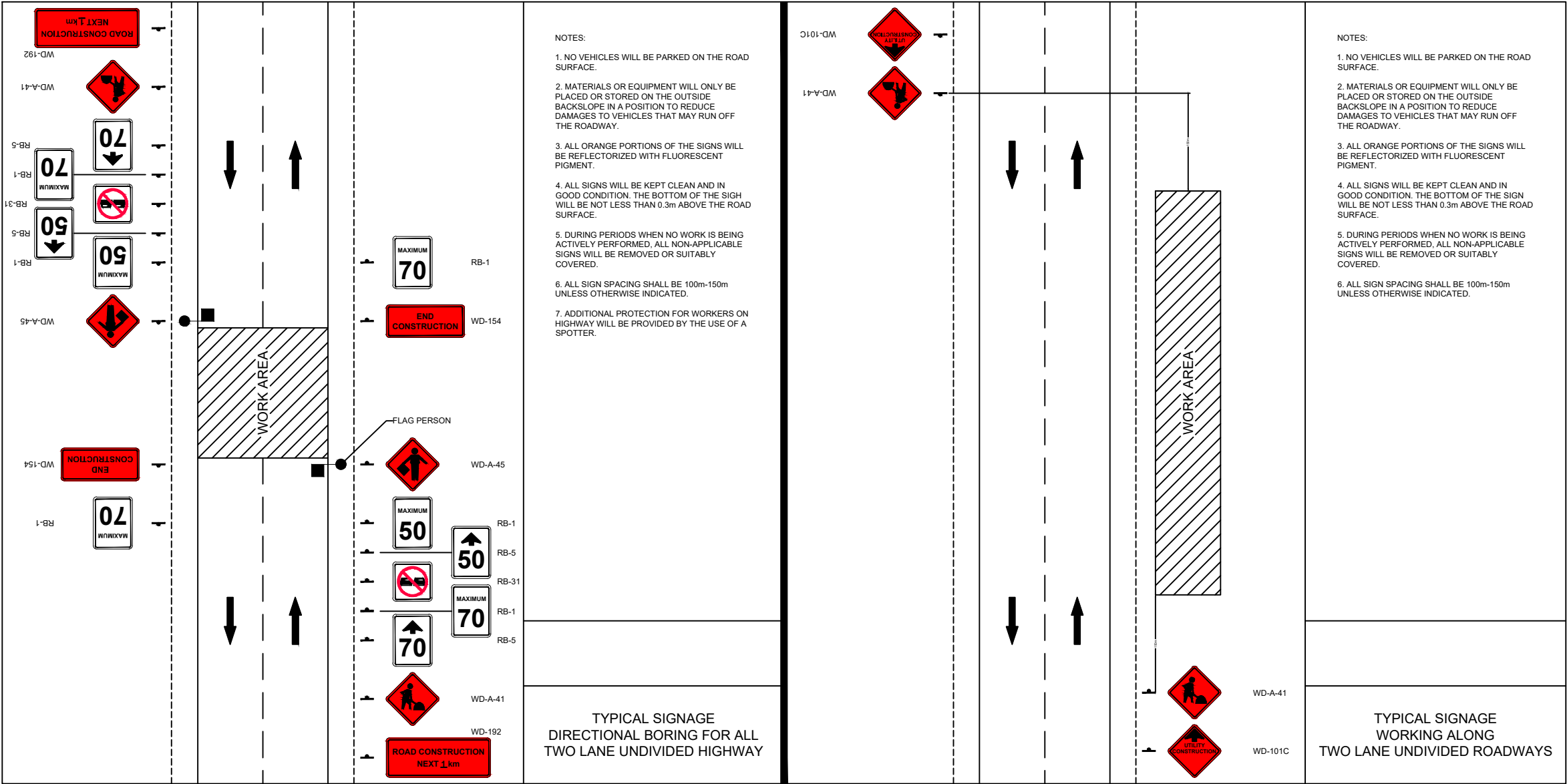


REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:	PREPARED BY:
	
<div><div>NEW 1-32mm HDPE</div><div>NEW 2-32mm HDPE</div><div>NEW 3-32mm HDPE</div><div>NEW 1-19mm DROP</div><div>EXISTING ROHL CONDUIT</div><div>EXISTING ROHL VAULT</div><div>NEW VAULT</div><div>SPLICING LOCATION</div></div>	<div><div>COM</div><div>COM</div><div>EDP</div><div>CURB</div><div>GAS</div><div>PIPELINE</div><div>PWR</div><div>SAN</div><div>STRM</div><div>WTR</div><div>COMMUNICATIONS LINE</div><div>EDGE OF GRAVEL</div><div>EDGE OF PAVEMENT</div><div>FACE OF CURB</div><div>GAS LINE</div><div>HIGH PRESSURE PIPELINE</div><div>POWER LINE</div><div>SANITARY SEWER LINE</div><div>STORM SEWER LINE</div><div>WATER LINE</div></div>

		
DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No. 801 SHEET: 10 OF 28
CUSTOMER:	ROHL GATEWAY FIBER INC.	
LOCATION:	HIGH LEVEL, AB	
DRAWING:	FIBER AND SPLICE SCHEMATIC	

ATCO
HIGH LEVEL SUBSTATION



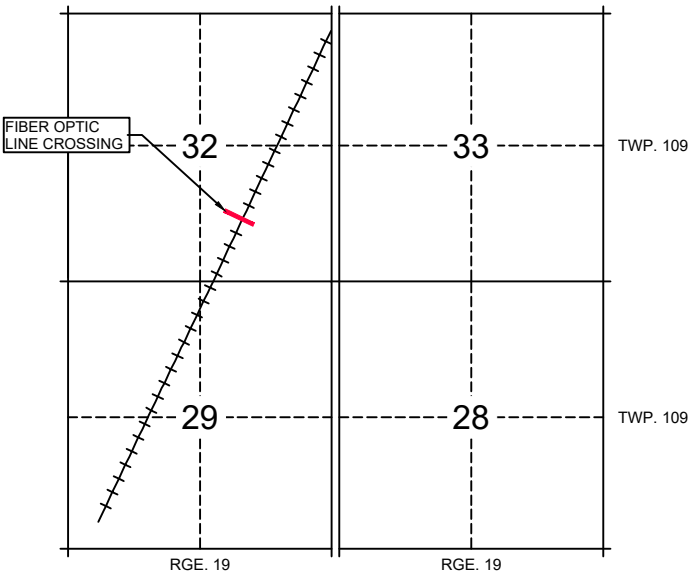
ATCO
HIGH LEVEL SUBSTATION

PLAN VIEW



CANADIAN NATIONAL RAILWAY - CROSSING

KEY PLAN

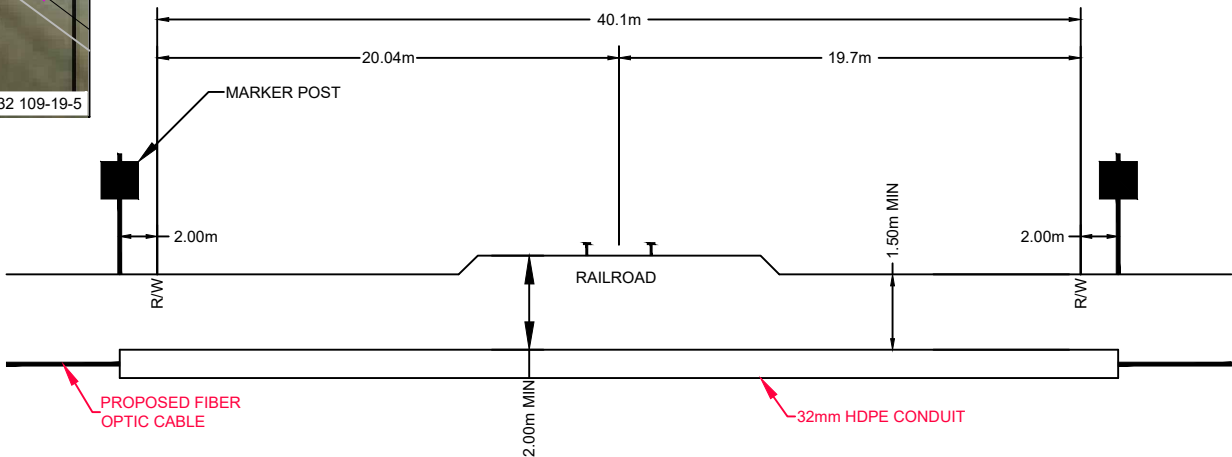


NOTE

1. CONSTRUCTION, MAINTENANCE AND OPERATION OF THE LINE SHALL BE IN ACCORDANCE WITH TRANSPORT CANADA GENERAL ORDERS E-11 AND E-12 AND THE LATEST VERSION OF CAN/CSA-C22.3 No. 1 AND CAN/CSA-C22.3 No. 7 AS APPLICABLE.
2. METHOD OF INSTALLATION: HORIZONTAL DIRECTIONAL DRILL WITH DRILLING MUD, NO SURFACE DISTURBANCE WITHIN RAILWAY R/W.
3. TYPE OF PIPE: 1.25" HDPE SDR 11, WALL THICKNESS 4.0mm
4. TYPE OF FACILITY: FIBER
5. DIAMETER OF FACILITY: 18mm
6. GEOTECHNICAL ENGINEER EVALUATION HAS BEEN COMPLETED AND THE GEOTECHNICAL ENGINEER HAS DETERMINED THAT BASED ON THE SOIL CONDITIONS, THERE WILL BE NO ADVERSE EFFECTS TO CN OPERATION AND PROPERTY.

CROSS-SECTION

N.T.S.



REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:



PREPARED BY:



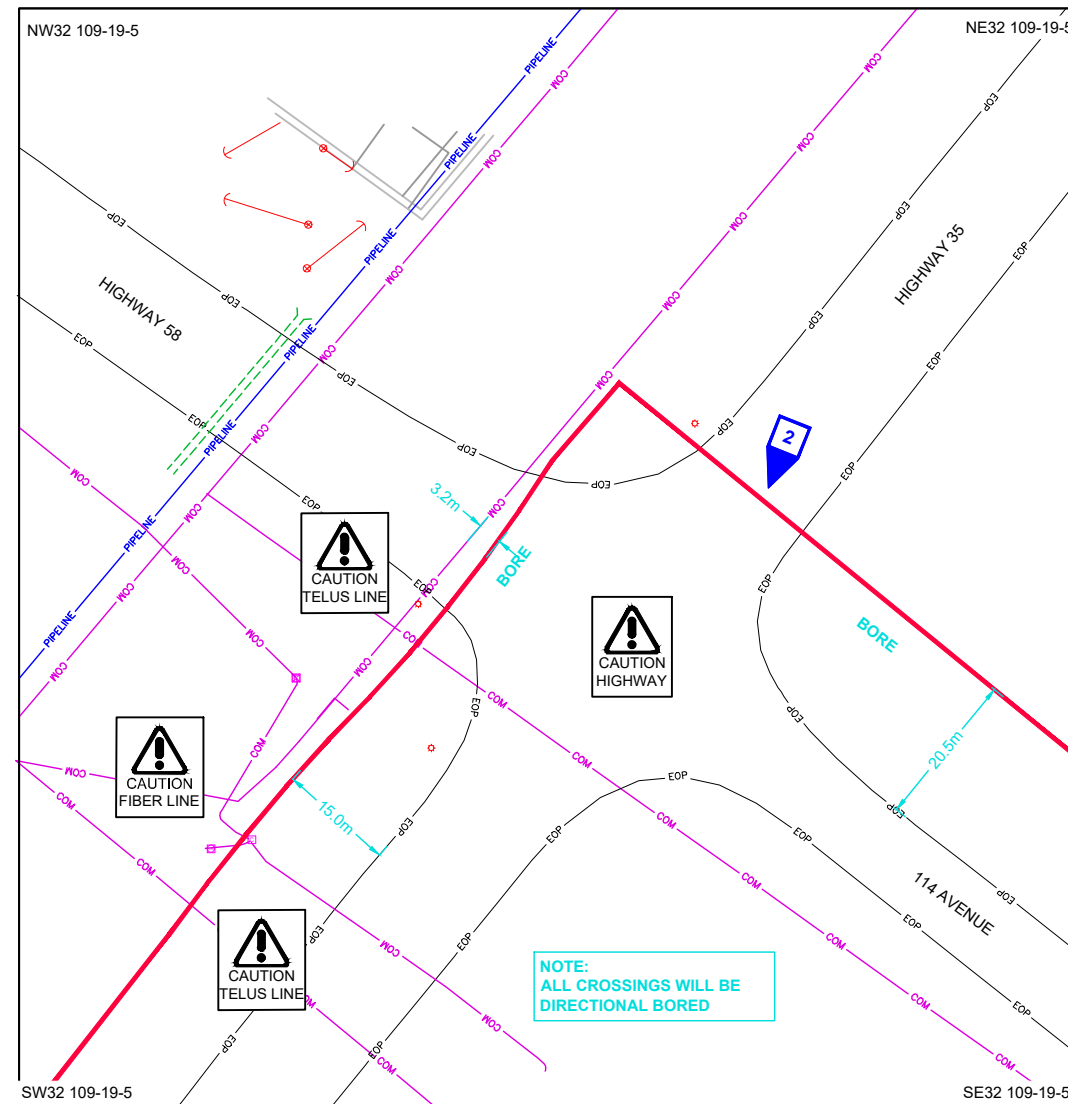
NEW 1-32mm HDPE	COM	COMMUNICATIONS LINE
NEW 2-32mm HDPE	GVL	EDGE OF GRAVEL
NEW 3-32mm HDPE	EOP	EDGE OF PAVEMENT
NEW 1-19mm DROP	CURB	FACE OF CURB
EXISTING ROHL CONDUIT	GAS	GAS LINE
EXISTING ROHL VAULT	PIPELINE	HIGH PRESSURE PIPELINE
NEW VAULT	PWR	POWER LINE
SPLICING LOCATION	SAN	SANITARY SEWER LINE
	STRM	STORM SEWER LINE
	WTR	WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	902
LOCATION:	HIGH LEVEL, AB	SHEET: 12 OF 28
DRAWING:	PERMIT DETAIL DRAWING	

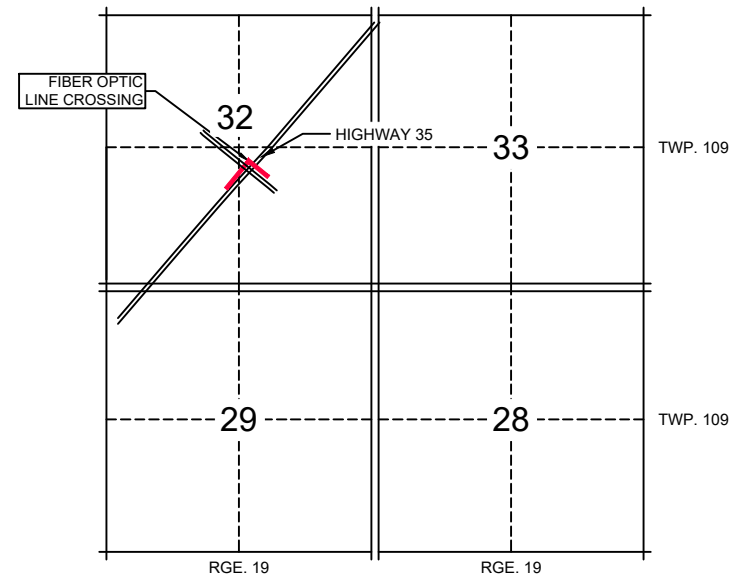
ATCO HIGH LEVEL SUBSTATION

PLAN VIEW

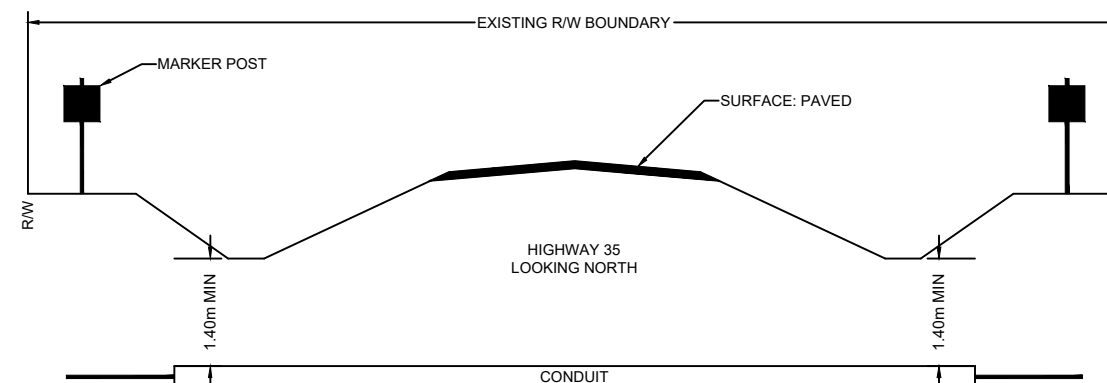


HIGHWAY 35 - CROSSING

KEY PLAN



CROSS SECTION





















REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:	
---------------	--



PREPARED BY:



	NEW 1-32mm HDPE		COMMUNICATIONS LINE
	NEW 2-32mm HDPE		EDGE OF GRAVEL
	NEW 3-32mm HDPE		EDGE OF PAVEMENT
	NEW 1-19mm DROP		FACE OF CURB
	EXISTING ROHL CONDUIT		GAS LINE
	EXISTING ROHL VAULT		HIGH PRESSURE PIPELINE
	NEW VAULT		POWER LINE
	SPLICING LOCATION		SANITARY SEWER LINE
			STORM SEWER LINE
			WATER LINE

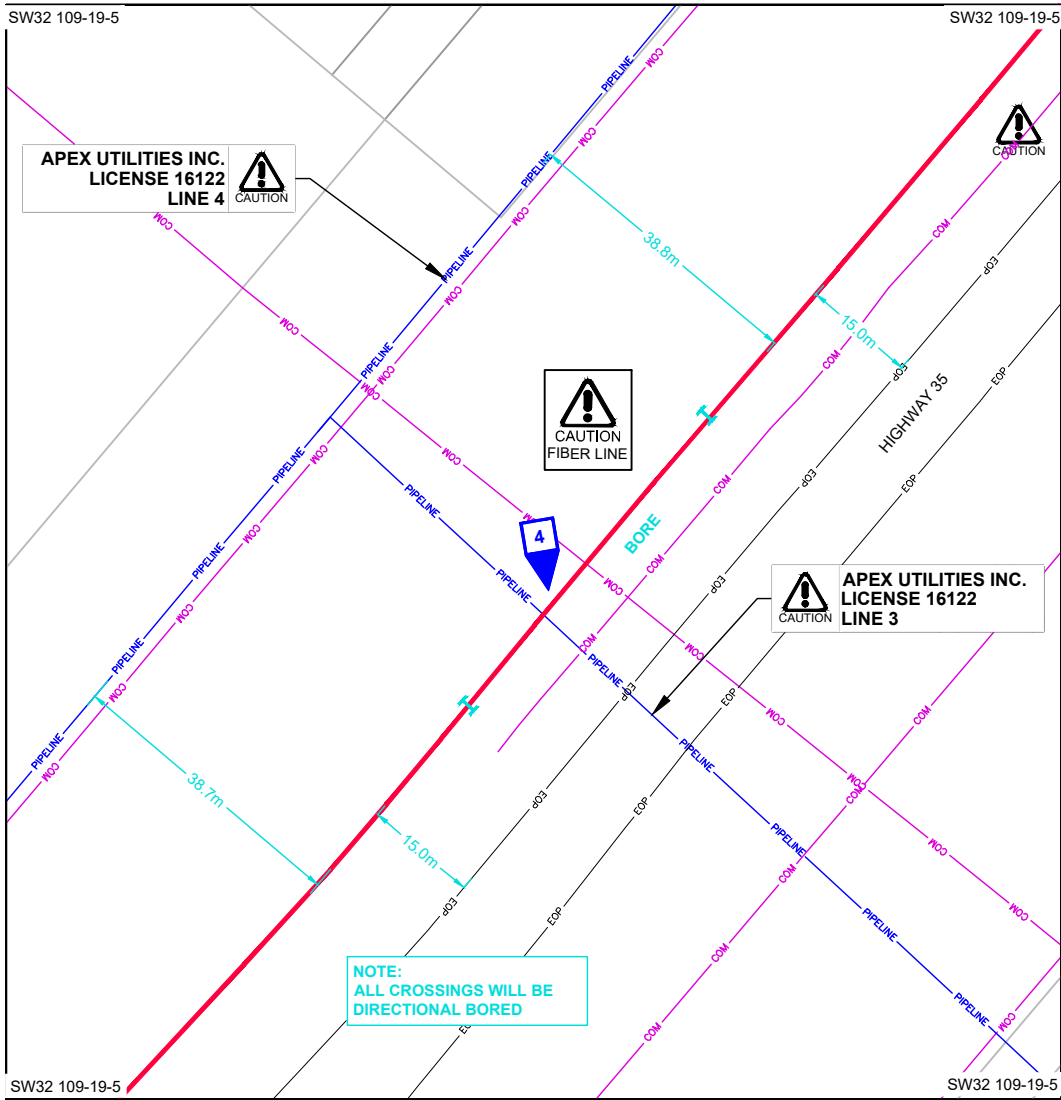


DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07

PROJECT NUMBER:	05-600-13051	DRAWING No. 903 SHEET: 13 OF 28
CUSTOMER:	ROHL GATEWAY FIBER INC.	
LOCATION:	HIGH LEVEL, AB	
DRAWING:	PERMIT DETAIL DRAWING	

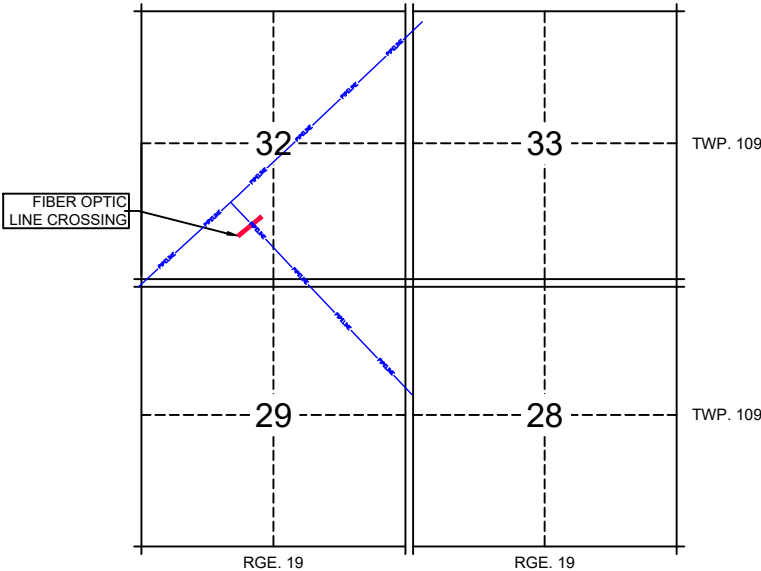
ATCO
HIGH LEVEL SUBSTATION

PLAN VIEW



APEX UTILITIES INC.
PIPELINE CROSSING

KEY PLAN



REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:



PREPARED BY:



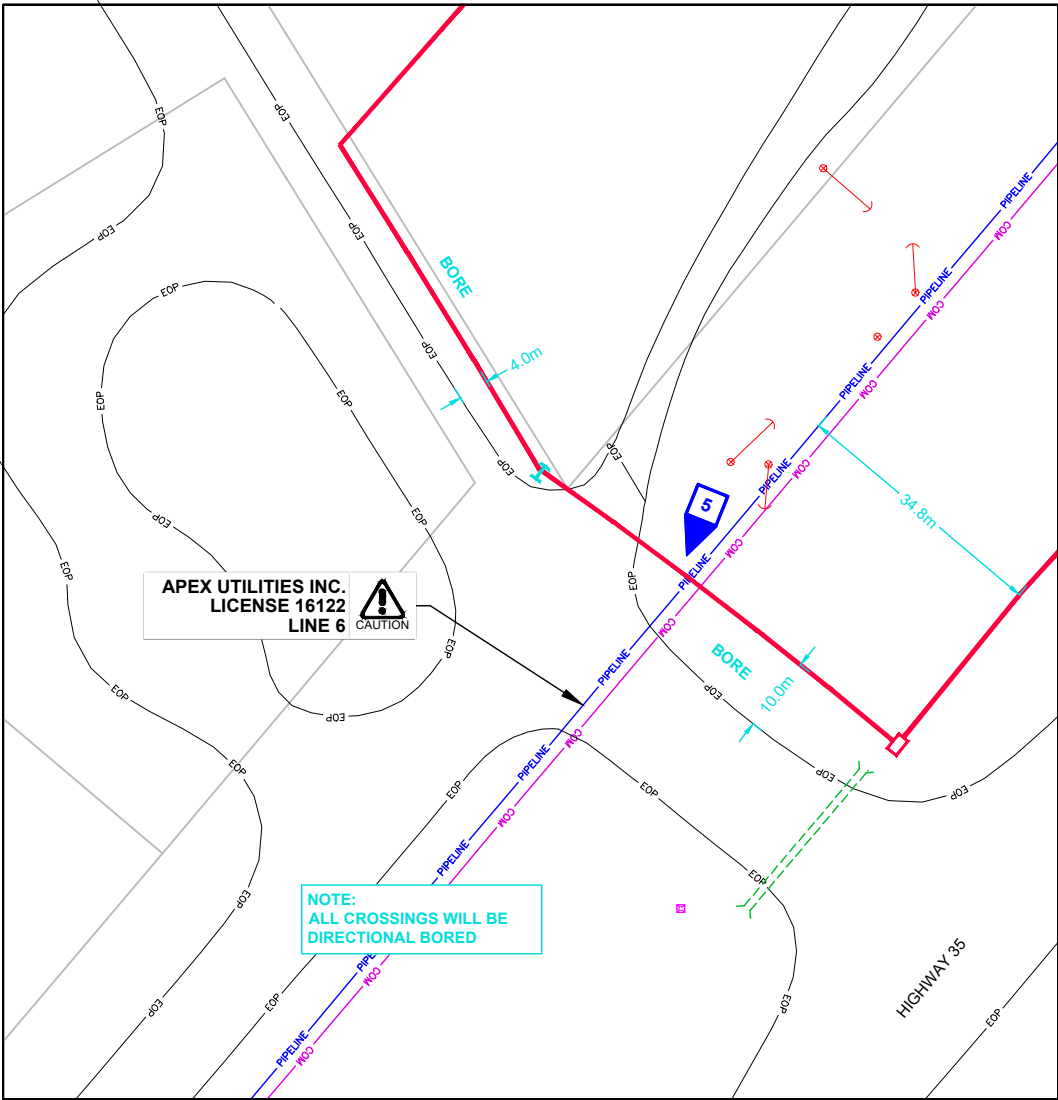
	NEW 1-32mm HDPE		COMMUNICATIONS LINE
	NEW 2-32mm HDPE		EDGE OF GRAVEL
	NEW 3-32mm HDPE		EDGE OF PAVEMENT
	NEW 1-19mm DROP		FACE OF CURB
	EXISTING ROHL CONDUIT		GAS LINE
	EXISTING ROHL VAULT		HIGH PRESSURE PIPELINE
	NEW VAULT		POWER LINE
	SPLICING LOCATION		SANITARY SEWER LINE
			STORM SEWER LINE
			WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	904
LOCATION:	HIGH LEVEL, AB	
DRAWING:	PERMIT DETAIL DRAWING	SHEET: 14 OF 28

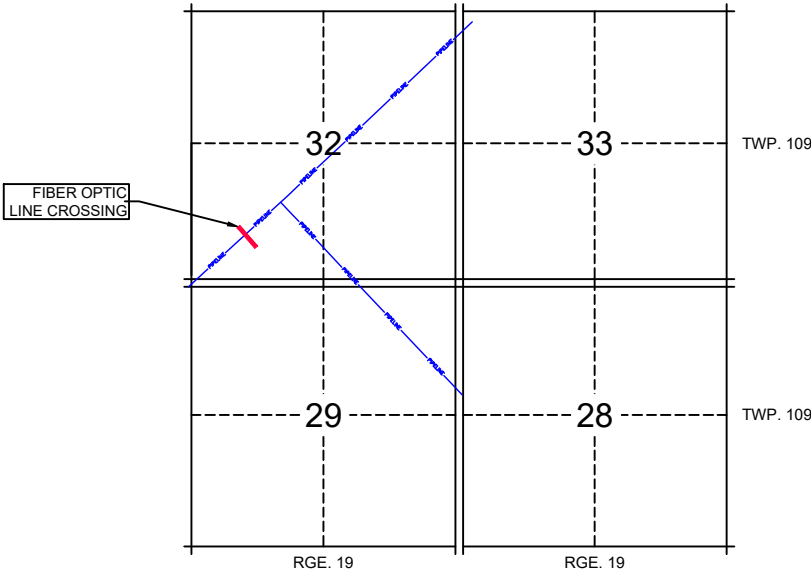
ATCO
HIGH LEVEL SUBSTATION

PLAN VIEW



APEX UTILITIES INC.
PIPELINE CROSSING

KEY PLAN



REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:



PREPARED BY:



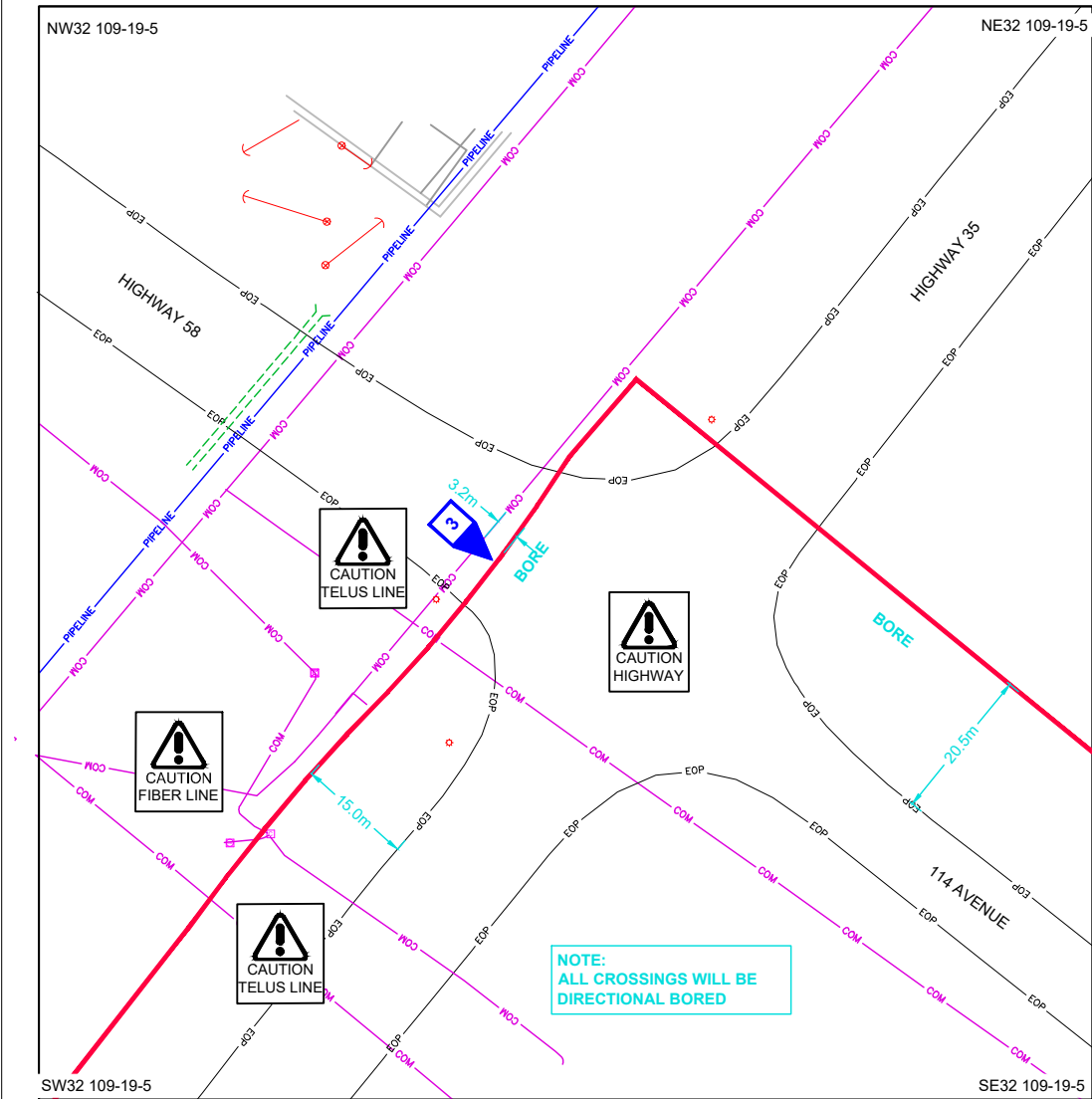
NEW 1-32mm HDPE	NEW 2-32mm HDPE	NEW 3-32mm HDPE	NEW 1-19mm DROP	EXISTING ROHL CONDUIT	EXISTING ROHL VAULT	NEW VAULT	SPLICING LOCATION	COM	COMMUNICATIONS LINE	OWL	EDGE OF GRAVEL	EOP	EDGE OF PAVEMENT	CURB	FACE OF CURB	GAS	GAS LINE	PIPELINE	HIGH PRESSURE PIPELINE	PWR	POWER LINE	SAN	SANITARY SEWER LINE	STRM	STORM SEWER LINE	WTR	WATER LINE
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DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	905
LOCATION:	HIGH LEVEL, AB	
DRAWING:	PERMIT DETAIL DRAWING	SHEET: 15 OF 28

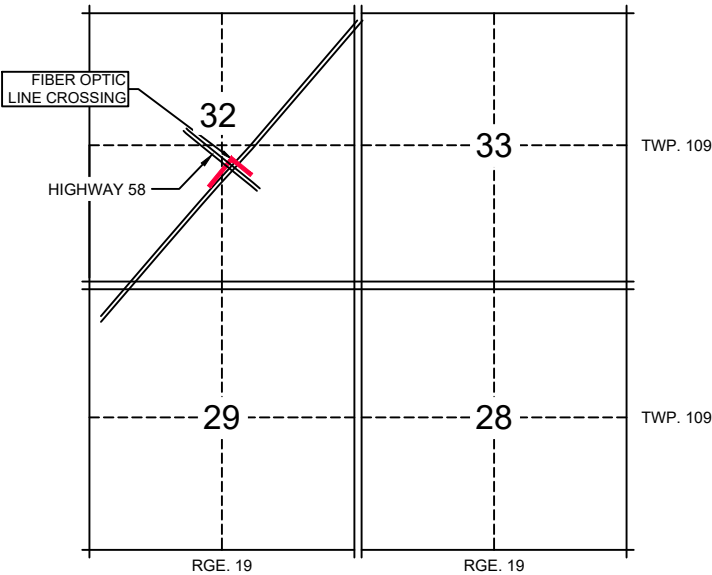
ATCO
HIGH LEVEL SUBSTATION

PLAN VIEW

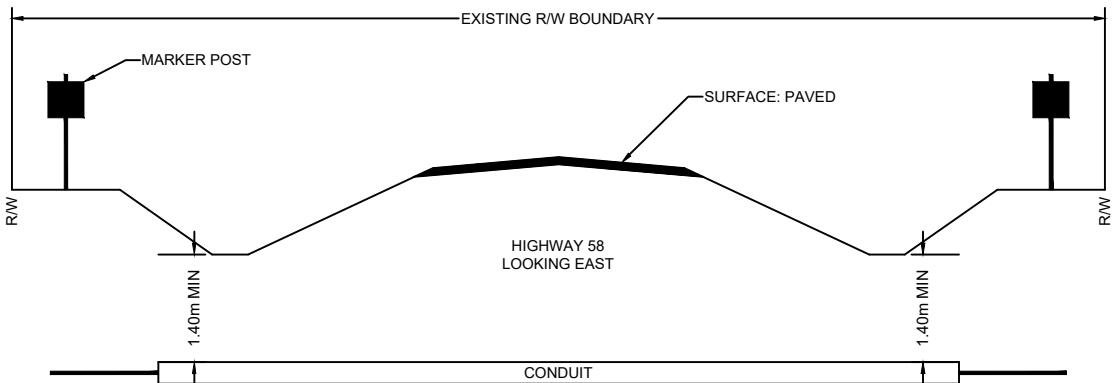


HIGHWAY 58 - CROSSING

KEY PLAN



CROSS SECTION






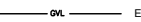

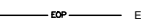












REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:



PREPARED BY:



	NEW 1-32mm HDPE		COMMUNICATIONS LINE
	NEW 2-32mm HDPE		EDGE OF GRAVEL
	NEW 3-32mm HDPE		EDGE OF PAVEMENT
	NEW 1-19mm DROP		FACE OF CURB
	EXISTING ROHL CONDUIT		GAS LINE
	EXISTING ROHL VAULT		HIGH PRESSURE PIPELINE
	NEW VAULT		POWER LINE
	SPLICING LOCATION		SANITARY SEWER LINE
			STORM SEWER LINE
			WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	906
LOCATION:	HIGH LEVEL, AB	
DRAWING:	PERMIT DETAIL DRAWING	SHEET: 16 OF 28



ATCO HIGH LEVEL SUBSTATION

CONSTRUCTION NOTES

- 1

EXISTING ROHL VAULT #AB-206-POI
- 1

822m

2

PLACE NEW 1-32mm HDPE SDR11 CONDUIT

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

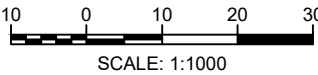
PREPARED FOR:



PREPARED BY:



<div></div> NEW 1-32mm HDPE	<div>COM</div> COMMUNICATIONS LINE
<div></div> NEW 2-32mm HDPE	<div>GVL</div> EDGE OF GRAVEL
<div></div> NEW 3-32mm HDPE	<div>EOP</div> EDGE OF PAVEMENT
<div></div> NEW 1-19mm DROP	<div>CURB</div> FACE OF CURB
<div></div> EXISTING ROHL CONDUIT	<div>GAS</div> GAS LINE
<div></div> EXISTING ROHL VAULT	<div>PIPELINE</div> HIGH PRESSURE PIPELINE
<div></div> NEW VAULT	<div>PWR</div> POWER LINE
<div></div> SPLICING LOCATION	<div>SAN</div> SANITARY SEWER LINE
	<div>STRM</div> STORM SEWER LINE
	<div>WTR</div> WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No. 1001 SHEET: 17 OF 28
CUSTOMER:	ROHL GATEWAY FIBER INC.	
LOCATION:	HIGH LEVEL, AB	
DRAWING:	CONSTRUCTION DRAWING	



ATCO HIGH LEVEL SUBSTATION

CONSTRUCTION NOTES

1 822m 2 PLACE NEW 1-32mm HDPE SDR11 CONDUIT

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

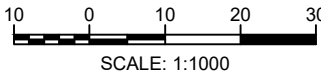
PREPARED FOR:



PREPARED BY:



	NEW 1-32mm HDPE		COM	COMMUNICATIONS LINE
	NEW 2-32mm HDPE		GVL	EDGE OF GRAVEL
	NEW 3-32mm HDPE		EOP	EDGE OF PAVEMENT
	NEW 1-19mm DROP		CURB	FACE OF CURB
	EXISTING ROHL CONDUIT		GAS	GAS LINE
	EXISTING ROHL VAULT		PIPELINE	HIGH PRESSURE PIPELINE
	NEW VAULT		PWR	POWER LINE
	SPLICING LOCATION		SAN	SANITARY SEWER LINE
			STRM	STORM SEWER LINE
			WTR	WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	1002
LOCATION:	HIGH LEVEL, AB	
DRAWING:	CONSTRUCTION DRAWING	SHEET: 18 OF 28

ATCO
HIGH LEVEL SUBSTATION

CONSTRUCTION NOTES

- 2 3 466m PLACE NEW 1-32mm HDPE SDR11 CONDUIT
- 3 PLACE NEW BULK4 24x36x36 VAULT
- 3 4 713m PLACE NEW 1-32mm HDPE SDR11 CONDUIT

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

PREPARED FOR:



PREPARED BY:



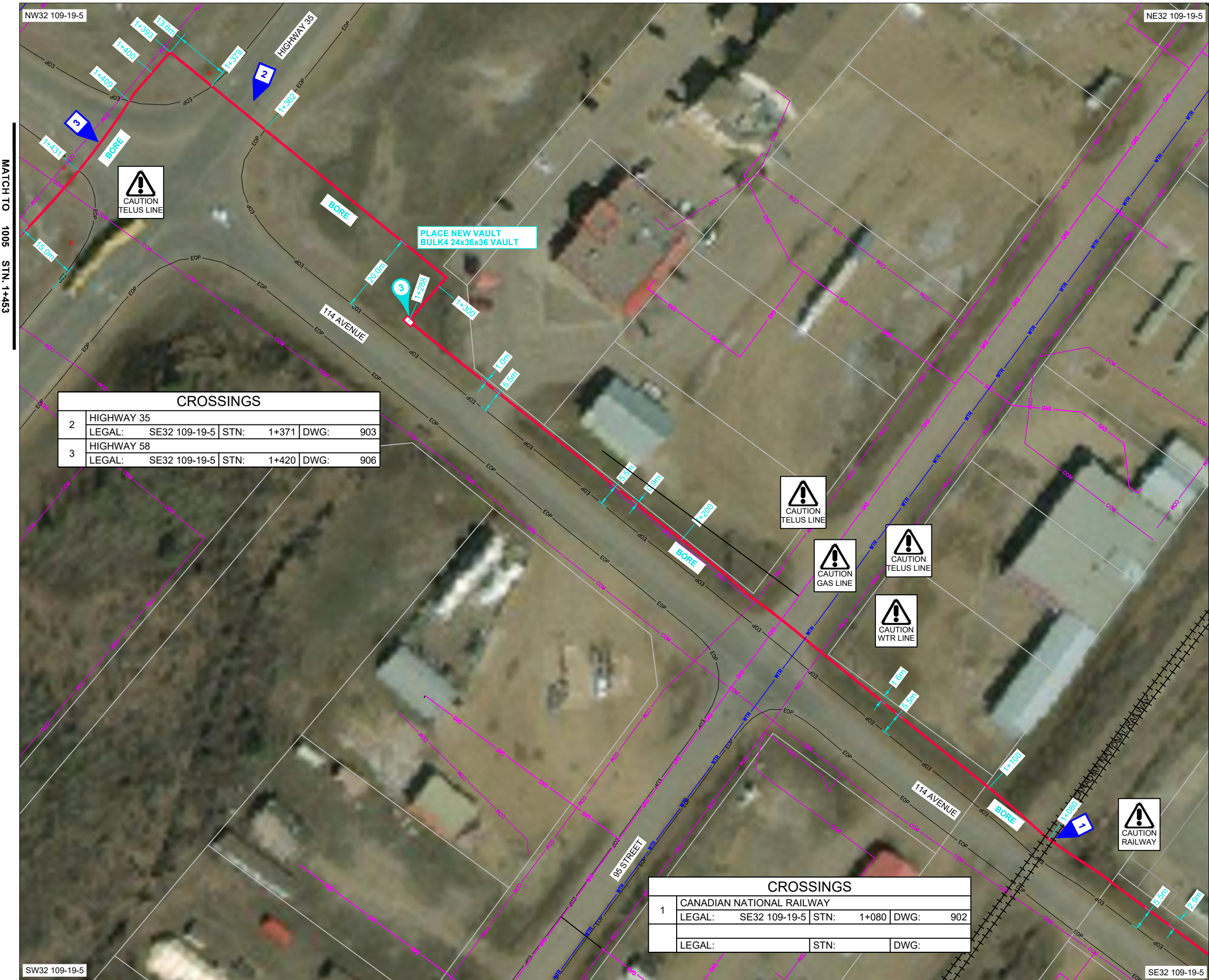
NEW 1-32mm HDPE	COM COMMUNICATIONS LINE
NEW 2-32mm HDPE	GVL EDGE OF GRAVEL
NEW 3-32mm HDPE	EOP EDGE OF PAVEMENT
NEW 1-19mm DROP	CURB FACE OF CURB
EXISTING ROHL CONDUIT	GAS GAS LINE
EXISTING ROHL VAULT	PIPELINE HIGH PRESSURE PIPELINE
NEW VAULT	PWR POWER LINE
SPLICING LOCATION	SAN SANITARY SEWER LINE
	STRM STORM SEWER LINE
	WTR WATER LINE



SCALE: 1:1000

DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07

PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	1004
LOCATION:	HIGH LEVEL, AB	
DRAWING:	CONSTRUCTION DRAWING	SHEET: 20 OF 28



CROSSINGS

2	HIGHWAY 35
LEGAL:	SE32 109-19-5 STN: 1+371 DWG: 903
3	HIGHWAY 58
LEGAL:	SE32 109-19-5 STN: 1+420 DWG: 906

CROSSINGS

1	CANADIAN NATIONAL RAILWAY
LEGAL:	SE32 109-19-5 STN: 1+080 DWG: 902
LEGAL:	STN: DWG:



ATCO
HIGH LEVEL SUBSTATION

CONSTRUCTION NOTES

3 713m 4 PLACE NEW 1-32mm HDPE SDR11 CONDUIT

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

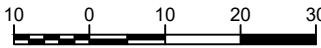
PREPARED FOR:



PREPARED BY:

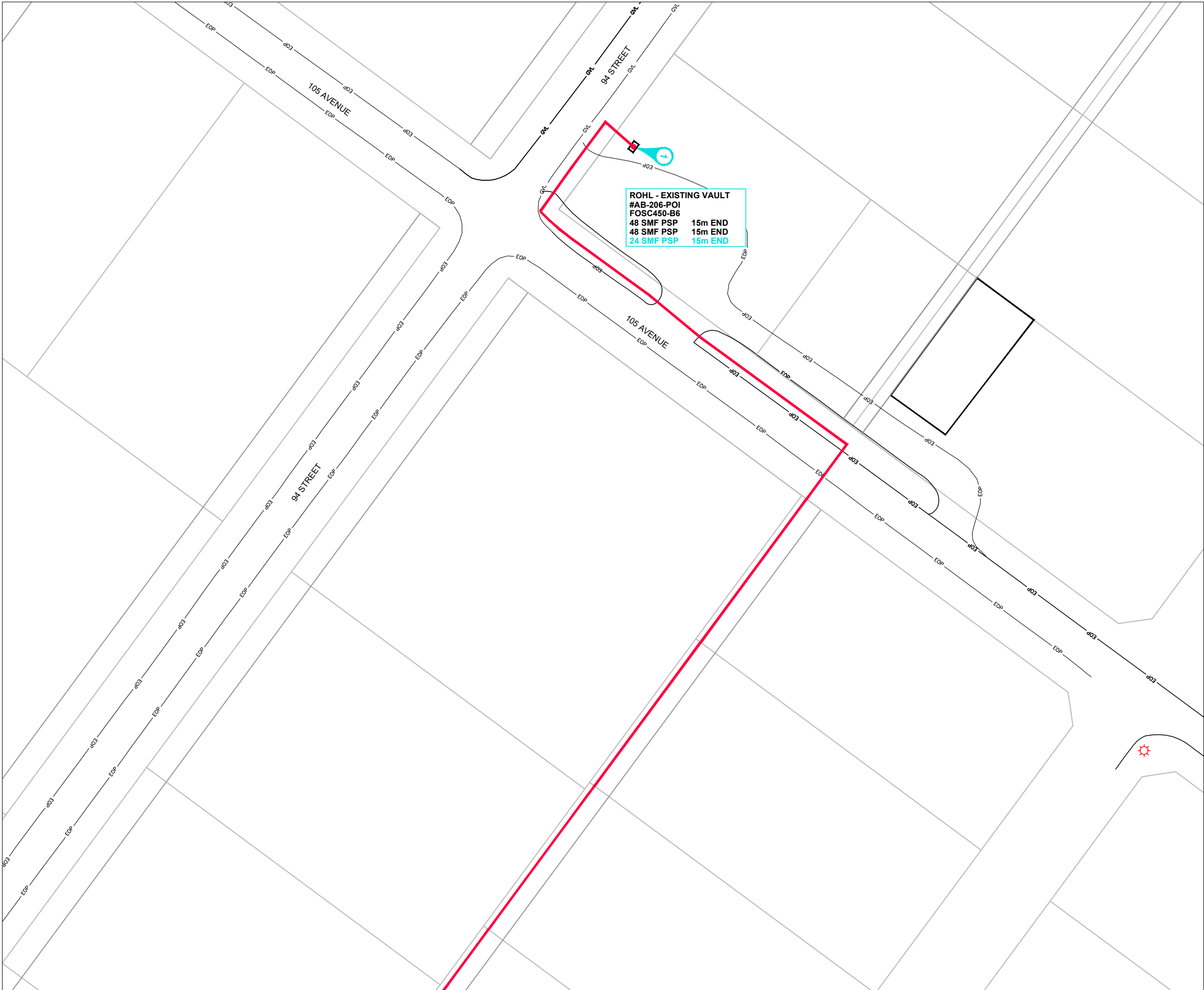


	NEW 1-32mm HDPE		COMMUNICATIONS LINE
	NEW 2-32mm HDPE		EDGE OF GRAVEL
	NEW 3-32mm HDPE		EDGE OF PAVEMENT
	NEW 1-19mm DROP		FACE OF CURB
	EXISTING ROHL CONDUIT		GAS LINE
	EXISTING ROHL VAULT		HIGH PRESSURE PIPELINE
	NEW VAULT		POWER LINE
	SPLICING LOCATION		SANITARY SEWER LINE
			STORM SEWER LINE
			WATER LINE



SCALE: 1:1000

DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	1005
LOCATION:	HIGH LEVEL, AB	
DRAWING:	CONSTRUCTION DRAWING	SHEET: 21 OF 28




MATCH TO 2002


ATCO HIGH LEVEL SUBSTATION




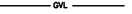

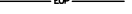












FIBER PULLING AND SPLICING NOTES

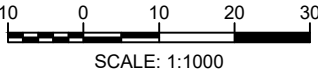
- 1 EXISTING ROHL VAULT #AB-206-POI
LEAVE 15m END
- 1 2095m 4 PULL NEW 24FOC THROUGH NEW CONDUIT

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

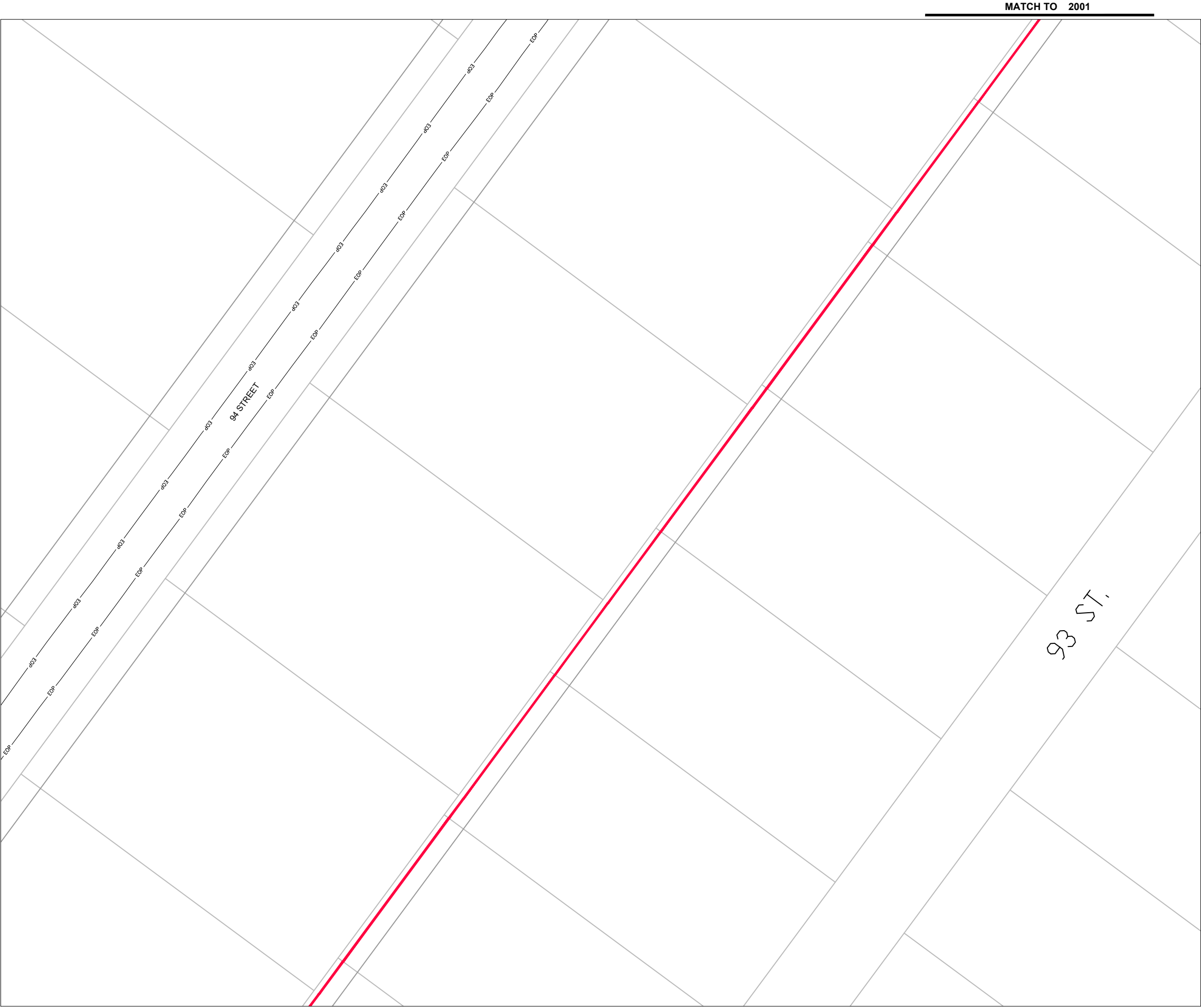
PREPARED FOR:


PREPARED BY:


 NEW CABLE IN CONDUIT	 COM COMMUNICATIONS LINE
 NEW CABLE IN EXISTING CONDUIT	 OVL EDGE OF GRAVEL
 NEW CABLE IN THIRD PARTY CONDUIT	 EOP EDGE OF PAVEMENT
 NEW DROP IN CONDUIT	 CURB FACE OF CURB
 EXISTING ROHL CONDUIT	 GAS GAS LINE
 EXISTING ROHL VAULT	 PIPELINE HIGH PRESSURE PIPELINE
 NEW VAULT	 PWR POWER LINE
 SPLICING LOCATION	 SAN SANITARY SEWER LINE
	 STRM STORM SEWER LINE
	 WTR WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No. 2001 SHEET: 23 OF 28
CUSTOMER:	ROHL GATEWAY FIBER INC.	
LOCATION:	HIGH LEVEL, AB	
DRAWING:	FIBER AND SPLICING PLAN	



ATCO HIGH LEVEL SUBSTATION

CONSTRUCTION NOTES

1 2095m 4 PULL NEW 24FOC THROUGH NEW CONDUIT




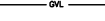

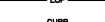










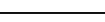
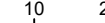
REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

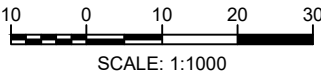
PREPARED FOR:



PREPARED BY:



 NEW CABLE IN CONDUIT	 COM COMMUNICATIONS LINE
 NEW CABLE IN EXISTING CONDUIT	 EOL EDGE OF GRAVEL
 NEW CABLE IN THIRD PARTY CONDUIT	 EOP EDGE OF PAVEMENT
 NEW DROP IN CONDUIT	 CURB FACE OF CURB
 EXISTING ROHL CONDUIT	 GAS GAS LINE
 EXISTING ROHL VAULT	 PIPELINE HIGH PRESSURE PIPELINE
 NEW VAULT	 PWR POWER LINE
 SPLICING LOCATION	 SAN SANITARY SEWER LINE
	 STRM STORM SEWER LINE
	 WTR WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	2002
LOCATION:	HIGH LEVEL, AB	
DRAWING:	CONSTRUCTION DRAWING	SHEET: 24 OF 28



ATCO HIGH LEVEL SUBSTATION

CONSTRUCTION NOTES

- 1 2095m 4 PULL NEW 24FOC THROUGH NEW CONDUIT
- 2 NEW ROHL VAULT - 30m SLACK



















REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

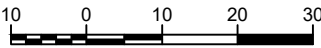
PREPARED FOR:



PREPARED BY:



	NEW CABLE IN CONDUIT		COM	COMMUNICATIONS LINE
	NEW CABLE IN EXISTING CONDUIT		GR	EDGE OF GRAVEL
	NEW CABLE IN THIRD PARTY CONDUIT		EOP	EDGE OF PAVEMENT
	NEW DROP IN CONDUIT		CURB	FACE OF CURB
	EXISTING ROHL CONDUIT		GAS	GAS LINE
	EXISTING ROHL VAULT		PIPELINE	HIGH PRESSURE PIPELINE
	NEW VAULT		PWR	POWER LINE
	SPLICING LOCATION		SAN	SANITARY SEWER LINE
			STRM	STORM SEWER LINE
			WTR	WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	2003
LOCATION:	HIGH LEVEL, AB	SHEET: 25 OF 28
DRAWING:	FIBER AND SPLICING PLAN	

ATCO
HIGH LEVEL SUBSTATION

CONSTRUCTION NOTES

- 1

2095m

4
- PULL NEW 24FOC THROUGH NEW CONDUIT
- 3
- NEW ROHL VAULT - 30m SLACK

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

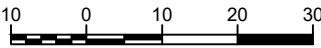
PREPARED FOR:



PREPARED BY:



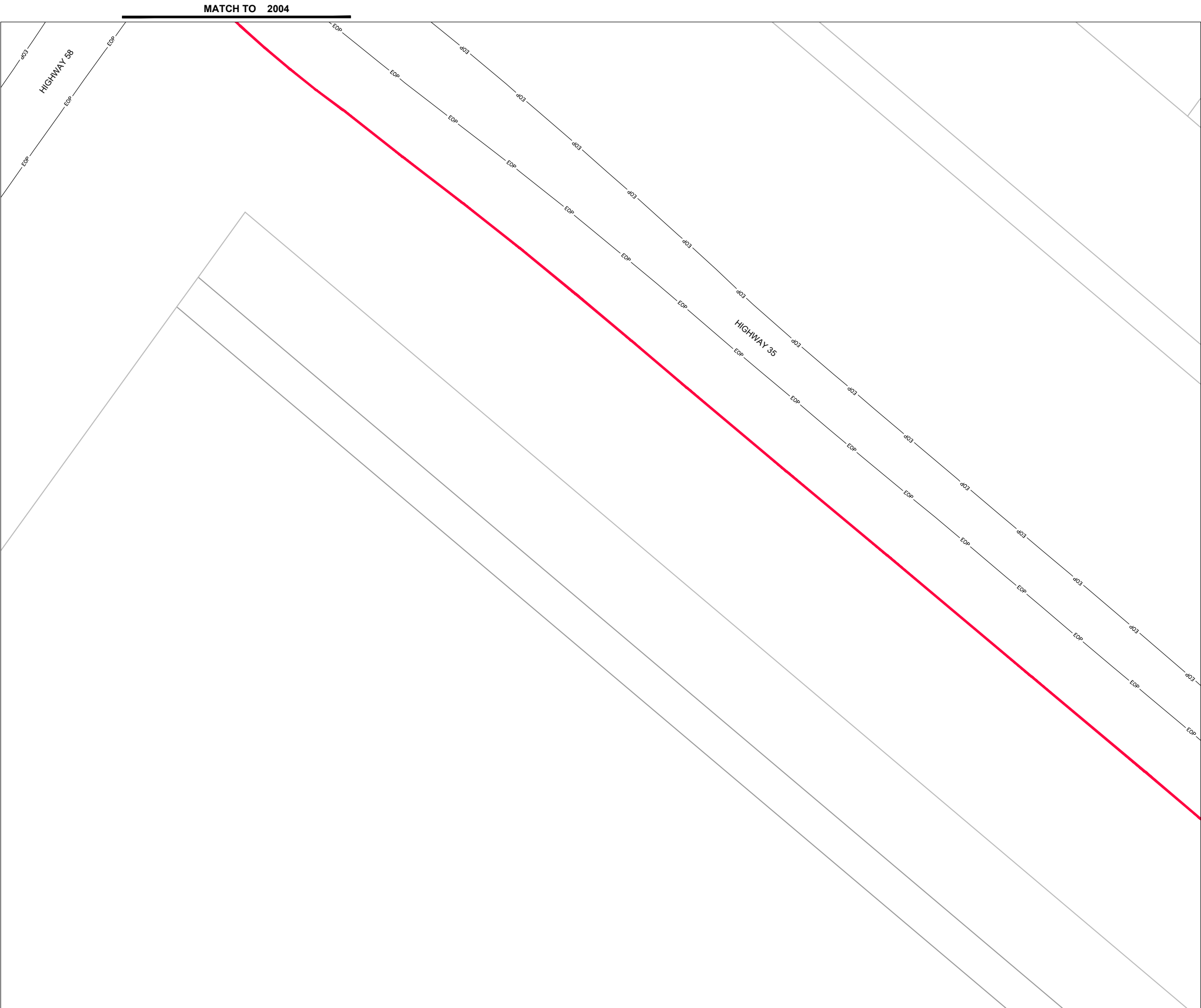
<div><div></div><div>NEW CABLE IN CONDUIT</div></div> <div><div></div><div>NEW CABLE IN EXISTING CONDUIT</div></div> <div><div></div><div>NEW CABLE IN THIRD PARTY CONDUIT</div></div> <div><div></div><div>NEW DROP IN CONDUIT</div></div> <div><div></div><div>EXISTING ROHL CONDUIT</div></div> <div><div></div><div>EXISTING ROHL VAULT</div></div> <div><div></div><div>NEW VAULT</div></div> <div><div></div><div>SPlicing LOCATION</div></div>	<div><div>COM</div><div>COMMUNICATIONS LINE</div></div> <div><div>GR</div><div>EDGE OF GRAVEL</div></div> <div><div>EOP</div><div>EDGE OF PAVEMENT</div></div> <div><div>CURB</div><div>FACE OF CURB</div></div> <div><div>GAS</div><div>GAS LINE</div></div> <div><div>PIPELINE</div><div>HIGH PRESSURE PIPELINE</div></div> <div><div>PWR</div><div>POWER LINE</div></div> <div><div>SAN</div><div>SANITARY SEWER LINE</div></div> <div><div>STRM</div><div>STORM SEWER LINE</div></div> <div><div>WTR</div><div>WATER LINE</div></div>
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SCALE: 1:1000

DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07

PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	2004
LOCATION:	HIGH LEVEL, AB	
DRAWING:	FIBER AND SPlicing PLAN	SHEET: 26 OF 28



ATCO
HIGH LEVEL SUBSTATION

CONSTRUCTION NOTES

1 2095m 4 PULL NEW 24FOC THROUGH NEW CONDUIT



















REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

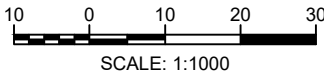
PREPARED FOR:



PREPARED BY:

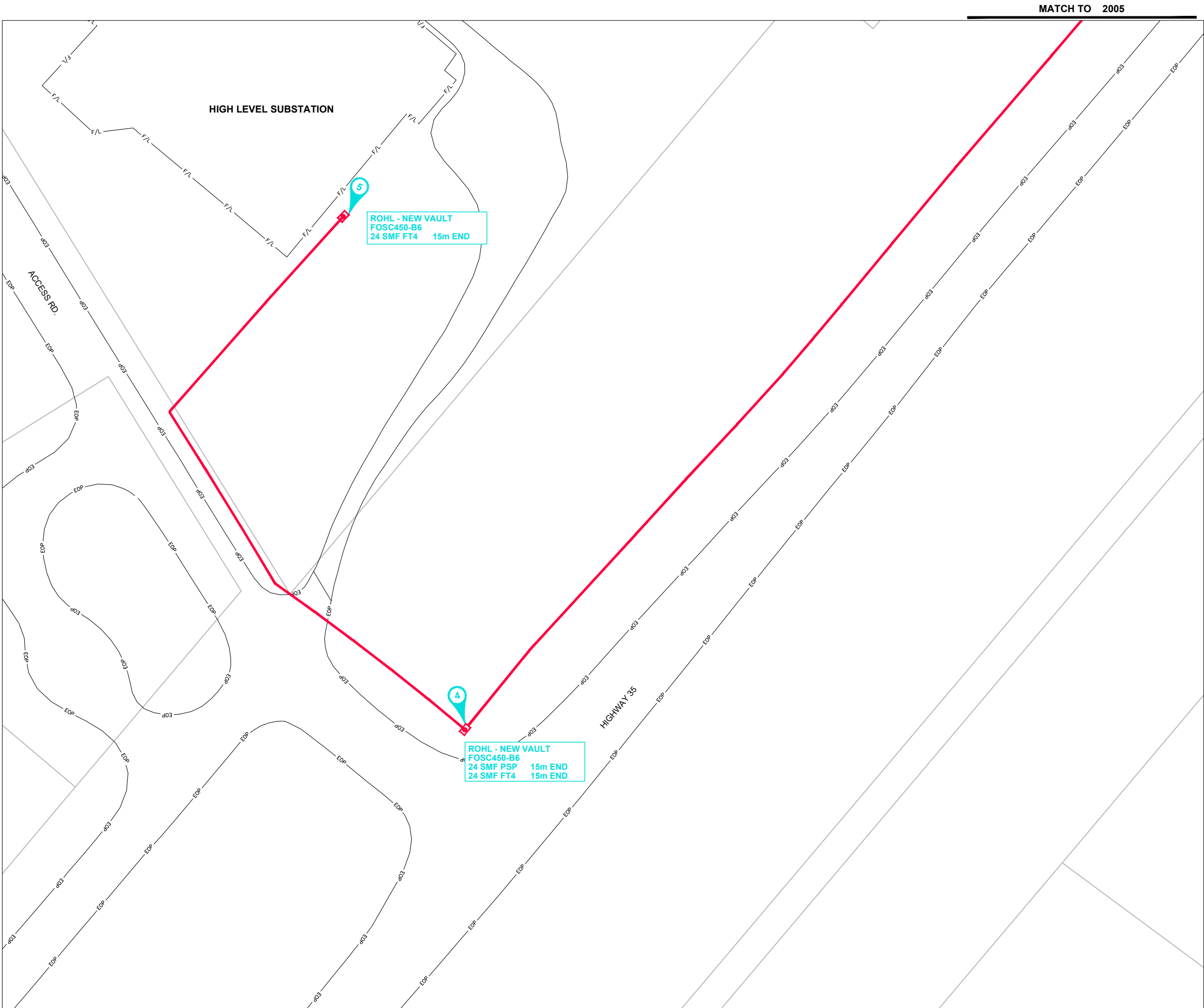


 NEW CABLE IN CONDUIT	 COMMUNICATIONS LINE
 NEW CABLE IN EXISTING CONDUIT	 EDGE OF GRAVEL
 NEW CABLE IN THIRD PARTY CONDUIT	 EDGE OF PAVEMENT
 NEW DROP IN CONDUIT	 FACE OF CURB
 EXISTING ROHL CONDUIT	 GAS LINE
 EXISTING ROHL VAULT	 HIGH PRESSURE PIPELINE
 NEW VAULT	 POWER LINE
 SPLICING LOCATION	 SANITARY SEWER LINE
	 STORM SEWER LINE
	 WATER LINE



DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07

PROJECT NUMBER:	05-600-13051	DRAWING No. 2005 SHEET: 27 OF 28
CUSTOMER:	ROHL GATEWAY FIBER INC.	
LOCATION:	HIGH LEVEL, AB	
DRAWING:	FIBER AND SPLICING PLAN	



ATCO HIGH LEVEL SUBSTATION

CONSTRUCTION NOTES

- 1** **4** 1910m PULL NEW 24FOC THROUGH NEW CONDUIT
- 4** NEW ROHL VAULT - 15m END X 2
NEW FOSC450-B6
- 4** **5** 210m PULL NEW ALL DIELECTRIC 24FOC THROUGH NEW CONDUIT
- 5** NEW ROHL VAULT - 15m END
NEW FOSC450-B6

REV	YYYY/MM/DD	DESCRIPTION
1	2024/09/11	TOWN PROPOSED REALIGNMENT
0	2024/08/07	ISSUED FOR CONSTRUCTION

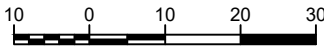
PREPARED FOR:



PREPARED BY:



	NEW CABLE IN CONDUIT		COM	COMMUNICATIONS LINE
	NEW CABLE IN EXISTING CONDUIT		GVL	EDGE OF GRAVEL
	NEW CABLE IN THIRD PARTY CONDUIT		EOP	EDGE OF PAVEMENT
	NEW DROP IN CONDUIT		CURB	FACE OF CURB
	EXISTING ROHL CONDUIT		GAS	GAS LINE
	EXISTING ROHL VAULT		PIPELINE	HIGH PRESSURE PIPELINE
	NEW VAULT		PWR	POWER LINE
	SPLICING LOCATION		SAN	SANITARY SEWER LINE
			STRM	STORM SEWER LINE
			WTR	WATER LINE



SCALE: 1:1000

DESIGNED BY:	RD	2024/07/11
DRAWN BY:	MG	2024/08/07
CHECKED BY:	MM	2024/08/07
APPROVED BY:	RD	2024/08/07
PROJECT NUMBER:	05-600-13051	DRAWING No.
CUSTOMER:	ROHL GATEWAY FIBER INC.	2006
LOCATION:	HIGH LEVEL, AB	SHEET: 28 OF 28
DRAWING:	FIBER AND SPLICING PLAN	