Received Date		LANCASTER COUNTY 555 SOUTH 10 TH STREET		Utility Permit No.	1812
5/24/2019		LINCOLN, NE 68508			
Application Date		Application to Construc	t	-	
5/24/2019		Utilities On County prope		Contract No.	
				County Rep.	AGO
Application is hereby	made to LANCASTE	R COUNTY by:			
Name: Jeremy Beck					
Company Name: Unite	Private Networks		Phone:	402-860-0869	
Address: 3880 Verma	as Place		E-Mail:	jeremy.beck@upnfi	ber.com
Lincoln, NE 68502					
To construct a utility	or utilities on County	right-of-way as follows:			
-	-	ngnt-or-way as follows.			
LEGAL DESCRIPTION		on 30 T7N R6F			
UTILITY TO BE CONS TYPE Communication		DESCRIPTION able, Coax, Fiber		ANNOTATIO	N
Other No utility to		bove a drainage structure. I	Existing (utilities will be sepa	arated by 24".
METHOD	SIZE/WIDTH	DESCRIPTION	DE	PTH DE	SCRIPTION
Continuous Bore	Width	_ 1.5"	Depth	<u>48" M</u>	INIMUM
Open Trench	Width		Depth	48" M	INIMUM
	-		-		ty Right-of-way.
Bauer Underground In					
3101 NW 12th Street					

Lincoln, NE 68521

UTILITY PERMIT REQUIREMENTS

<u>NOTE</u> – If Engineer plan sheet project notes conflict with Lancaster County's utility permit application requirements and the special utility permit requirements, the utility permit application requirements and special utility permit requirements shall govern. See Page 6 for additional requirements upon permit approval.

1. Unless agreed to in writing in advance by the owner, the depth of installed facilities shall be at a minimum as follows:

A. For utility installation parallel to the roadway, the minimum depth of burial will be $42^{"}$ (48" in road ditches) measured from the ground surface to the top of the utility, except as noted in "C" below.

B. For utility installation transverse to the roadway the minimum depth of burial will be 48" measured from the ground surface to the top of the utility, except as noted in "C" below.

C. The minimum depth of burial beneath drainage structures, waterways, creek channels, or culverts within 5' of the utility route will be 72", measured from the flow line of the drainage structure, waterway, or creek channel (whichever is lower), to the top of the utility.

D. No utility will be buried directly above a drainage structure, regardless of the burial depth.

E. All crossings with existing utilities will be separated by a minimum of 24", both horizontally and vertically.

F. All paved road and paved driveway crossings will be dry-bored.

G. All areas disturbed by construction will be restored to their pre-construction condition. This includes: all opencut crossings to be backfilled with material excavated from trench; no sand or crushed rock backfill will be allowed; and compaction of backfills to a density equal to or greater than the surrounding soil in and around trenches, bore pits, pull boxes, and other utility appurtenances. It also includes replacing roadway and driveway surfacing lost or damaged by construction, and re-seeding of all areas disturbed by the work.

H. Trees within the right-of-way will be preserved by the contractor when possible. All trees, bushes, brush, debris piles, resulting from clearing or grubbing operations will become the property of the contractor and will be removed from county property at the contractor's expense.

- 2. The contractor performing the work shall have onsite a copy of approved utility permit allowing permitted work to be done within County Road Right-of-Way.
- 3. The utility owner or his representative will mark all existing Lancaster County drainage structures along the proposed utility installation route 24 hours prior to construction at a culvert site. All structures will be marked in a manner so as to allow the Utility's Contractor to identify all "Bore" locations.

Ron Bohaty

48"

- 4. The contractor will notify Lancaster County Maintenance Superintendent Bob Jacobs at 402-441-7797, within 48 hours, prior to commencing construction on county right-of way.
- 5. Contractor performing the work to submit insurance certificate naming Lancaster County as additional insured prior to any activities in the right-of-way. Contractor shall also provide Lancaster County a 30 day notice of cancellation, non-renewal or any material reduction of insurance coverage.
- 6. The applicant, or his contractor, shall contact the local utility companies and request location of any buried utilities. Damage to any utilities, either on County right-of-way or adjacent to County right-of-way, shall be repaired at the expense of the applicant or his contractor.

- 7. Future road construction work could necessitate relocation of utilities. Those utility relocation costs shall be borne by the utility owner.
- 8. All trenches shall be backfilled the same day trench was excavated except for the portion where the work is to be continued the next day. The portion left open for work continuation shall be protected by barricades with flashing lights at night. No open trenches in the roadway will be allowed overnight. (Except when such road is closed for construction or except with prior conditional approval to be noted on page #6)
- 9. Roads may be closed for a maximum of 12 hours, with prior review and approval from this office. (See #11 for signage layout)
- 10. Road closures longer than 12 hours will require prior review and shall include an approved detour plan. (See #11 for signage layout)
- 11. Three Type III barricades w/Type A flashing lights shall be placed on each side of construction site. "Road Closed" {R 1 1-2) signs shall be mounted on the middle barricade on each side of the construction site. At the nearest intersection each way from crossing, a "Road Closed _____ Miles ahead -- Local Traffic Only" (R11-3) sign shall be placed.
- 12. All barricading, flagmen, warning signs, etc. shall conform to the current *Manual on Uniform Traffic Control* <u>*Devices.*</u>
- 13. No equipment shall be left unattended on public right-of-way. No trenches shall be left open after working hours. No equipment shall block traffic control devices. If necessary, flagmen shall be required.
- 14. All pipe and encasements to conform to State Highway Standards.
- 15. Notification of proposed utility work to adjacent landowners shall be the responsibility of the Utility Company and or their Agents.
- 16. ***<u>Utility Company and or their Agents shall be responsible to notify the Lancaster County Engineering</u> Department upon completion of permitted utility work.***

TYPICAL CROSS SECTION OF ROAD CROSSING

(Proposed Drawing by Applicant)

I (We) agi	ree to construct the	Fiber Optic Ca	able	in accordance wit	h the permit requirements and
		((utility)	_	
the provis	sions included as a	part of this pe	rmit.		
	Pouer Lindergroup				
COMPANY:	Bauer Undergroun				
DATE:	5/24/2019				
SIGNED I	BY: Robert	C Everett	Digitally signed by Robert C Everett DN: C=US, E=rob@bauerunderground Underground INC *, CN="Robert C Eve Date: 2019.05.24 12:19:52-05'00'	com, O=Bauer Underground INC, OU="Bauer rett "	
		EXECL	ITION BY LANCAS	TER COUNTY	
The	above application i	is hereby appr	oved subject to the	requirements and r	provisions of the permit.
1110					
API	PROVED and dated	t this	day of		by the Lancaster County
	ommissioners.				
			LANCASTE	R COUNTY BOARD	OF COMMISSIONERS
				Chairperso	
				onan porco	
APPROVE	D as to form				
this <u></u>	day of				
Dej	puty County Attorney				
REVIEWE	D thisday of	,			

Lancaster County Engineering Representative

I (We) agree to construct the Fiber Optic Cable (utility)	in accordance with the permit requirements and
the provisions included as a part of this permit.	
COMPANY: Unite Private Networks	X
DATE: 5-24-2019	
SIGNED BY: Jeremy Beck	signed by Jeremy Beck 119.05.24 13:29:26 -05'00'
EXECUTION BY I The above application is hereby approved subje	ANCASTER COUNTY ct to the requirements and provisions of the permit.
Date	
Signed By:	
THIS ROOF	

(TO BE FILLED IN BY COUNTY PERSONNEL)

Encasement Requirements:

NA

Barricade, Signing and Flagging Requirements:

Comply with Section #12 of the Utility Permit Requirements.

Methods of Installation:

See Plans

Minimum Cover Provided in Road Ditches:

Comply with Section #1 of the Utility Permit Requirements

Other Requirements:

Comply with Section #2 of the Utility Permit Requirements: The Contractor is required to have a copy of the permit in-hand at all times while construction is in progress.

Comply with Section #4 of the Utility Permit Requirements: Contractor to contact Lancaster County Maintenance Superintendent Ron Bohaty (402) 441-7797 within 48-hours prior to beginning construction in the County Right-of-Way.

Additional Comments:

Comply with ALL Sections of the Utility Permit Requirements.

Utility Owners responsibility to notify Lancaster County upon completion of permitted work.

See notes on plans.

INSURANCE CLAUSE FOR LANCASTER COUNTY ENGINEER UTILITY PERMITS

Insurance; Coverage Information

The contractor shall, prior to beginning work, provide proof of insurance coverage in a form satisfactory to the County, which shall not withhold approval unreasonably. The coverages and minimum levels required by this contract are set forth below and shall be in effect for all times that work is being done pursuant to this Contract. No work on the Project or pursuant to this Contract shall begin until all insurance obligations herein are met to the satisfaction of the County, which shall not unreasonably withhold approval. Self-insurance shall not be permitted unless consent is given by the County prior to execution of the Agreement and may require submission of financial information for analysis. Deductible levels shall be provided in writing from the Contractor's insurer and will be no more than \$25,000.00 per occurrence. Said insurance shall be written on an OCCURRENCE basis, and shall be PRIMARY, with any insurance coverage maintained by the County being secondary or excess.

Certificates

The Contractor shall provide certificates of insurance and endorsements evidencing compliance with these requirements. The Contractor shall provide a Certificate of Insurance demonstrating the coverage required herein and the necessary endorsements and waivers described herein and below before being permitted to begin the work or project. All certificates, endorsements and endorsement forms (where required) must be acceptable to the County Attorney. Certificates shall include an endorsement to provide for at least thirty (30) days' firm written notice in the event of cancellation. During the term of the Agreement and during the period of any required continuing coverages, the Contractor shall provide, prior to expiration of the policies, certificates and endorsement forms evidencing renewal insurance coverages. The parties agree that the failure of County to object to the form of a certificate and/or additional insured endorsement or endorsement forms provided shall not constitute a waiver of this requirement.

1. <u>Commercial General Liability</u>

The Contractor shall provide proof of Commercial General Liability Insurance with a minimum limit of not less than \$1,000,000.00 each occurrence and \$2,000,000.00 aggregate. These minimum limits can be met by primary and umbrella liability policies. Coverage shall include: Premises-Operations, Products/ Completed Operations, Contractual, Broad Form Property Damage, and Personal Injury. Such coverage shall be endorsed for the general aggregate to be on a **PER PROJECT** basis, and the contractor shall provide an additional insured endorsement acceptable to the County. The required insurance must include coverage for all projects and operations of Contractor or similar language that meets the approval of the County, which approval shall not be unreasonably withheld.

1.1 Additional Insured (Requires an Endorsement Form)

An Additional Insured Endorsement Form showing the County as additional Insured.

1.2 <u>Automobile Liability</u>

The Contractor shall provide proof of Automobile Liability coverage, which shall include: Owned, Hired and Non-Owned. Bodily Injury and Property Damage Combined Single Limit shall be at least \$1,000,000 Per Accident.

1.3 <u>Intentionally Omitted</u>

1.4. <u>Workers' Compensation; Employers' Liability</u>

The Contractor shall provide proof of workers' compensation insurance of not less than minimum statutory requirements under the laws of the State of Nebraska and any other applicable State. Employers' Liability coverage with limits of not less than \$500,000.00 each accident or injury shall be included. The Contractor shall provide the County with an endorsement for waiver of subrogation. The contractor shall also be responsible for ensuring that all subcontractors have workers' compensation insurance for their employees before and during the time any work is done pursuant to this Contract.

- 1.5 <u>Intentionally Omitted</u>
- 1.5.1 <u>Intentionally Omitted</u>
- 1.6 <u>Intentionally Omitted</u>
- 1.7 <u>Intentionally Omitted</u>
- **1.8** <u>**Railroad Contractual Liability Insurance** (Required only if appropriate) If work is to be performed within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, road beds, tunnel, underpass or railroad crossing, the Contractor must provide an endorsement (ISO® form CG24170193 or newer) that removes or deletes any exception for such work in the Contractor's commercial general liability policy. Any endorsement not described herein shall be subject to the approval of the County Attorney.</u>

1.8.1 <u>Railroad Protective Liability (Required only if appropriate)</u>

If work is to be performed within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, road beds, tunnel, underpass or crossing or otherwise required by the Special Provisions or applicable requirements of an affected railroad, the Contractor shall provide Railroad Protective Liability Insurance naming the affected railroad/s as insured with minimum limits for bodily injury and property damage of \$2,000,000 per occurrence, \$6,000,000 aggregate, or such other limits as required in the Special Provisions or by the affected railroad. The original of the policy shall be furnished to the railroad and a certified copy of the same furnished to the County Purchasing Department prior to any related construction or entry upon railroad premises by the Contractor or for work related to the Contract.

1.9 <u>Intentionally Omitted</u>

2. <u>Risk of Loss</u>

Except to the extent covered by the builder's risk insurance, the Contractor shall have the sole responsibility for the proper storage and protection of, and assumes all risk of loss of, any Subcontractor's Work and tools, materials, equipment, supplies, facilities, offices and other property at or off the Project site. The Contractor shall be solely responsible for ensuring each subcontractor shall take every reasonable precaution in the protection of all structures, streets, sidewalks, materials and work of other subcontractors. Contractor shall protect its Work from damage by the elements or by other trades working in the area.

3. <u>Umbrella or Excess Liability</u>

The Contractor may use an Umbrella, Excess Liability, or similar coverage to supplement the primary insurance stated above in order to meet or exceed the minimum coverage levels required by this Contract.

4. <u>Minimum Scope of Insurance</u>

All Liability Insurance policies shall be written on an "Occurrence" basis only. All insurance coverage are to be placed with insurers authorized to do business in the State of Nebraska and must be placed with an insurer that has an A.M. Best's Rating of no less than A:VII unless specific approval has been granted otherwise.

5. <u>Indemnification</u>

To the fullest extent permitted by law the Contractor shall indemnify, defend, and hold harmless the County, its elected officials, officers, employees, agents, consultants, and employees of any of them from and against claims, damages, losses and expenses, including but not limited to attorney fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible or intangible property, including the Work itself, but only to the extent caused by the negligent, wrongful, or intentional acts or omissions of the Contractor, a subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by the negligence of a party indemnified hereunder. In the event the claim, damage, loss or expense is caused in part by the negligence of a party indemnified hereunder, the indemnification by the Contractor shall be prorated based on the extent of the liability of the party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce obligations of indemnity which would otherwise exist as to a party or person described in this Section. Nothing herein shall be construed to be a waiver of sovereign immunity by the County.

6. <u>Reservation of Rights</u>

The County reserves the right to require a higher limit of insurance or additional coverages when the County determines that a higher limit or additional coverage is required to protect the County or the interests of the public. Such changes in limits or coverages shall be eligible for a change order or amendment to the Contract.

7. <u>Sovereign Immunity</u>

Nothing contained in this clause or other clauses of this Agreement/Contract shall be construed to waive the Sovereign Immunity of the County.

For questions regarding Insurance Requirements, please contact Risk Management.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/23/2018

THIS CERTIFICATE IS ISSUED AS A CERTIFICATE DOES NOT AFFIRMAT BELOW. THIS CERTIFICATE OF INS REPRESENTATIVE OR PRODUCER, A	IVELY SURAN ND TH	OR NEGATIVELY AMEND, ICE DOES NOT CONSTITUT E CERTIFICATE HOLDER.	EXTEND OR ALT	ER THE CO BETWEEN T	VERAGE AFFORDED B THE ISSUING INSURER(Y THE S), AU	POLICIES THORIZED
IMPORTANT: If the certificate holder If SUBROGATION IS WAIVED, subjec this certificate does not confer rights	t to the	e terms and conditions of th	e policy, certain p	olicies may			
PRODUCER	to the d	certificate holder in lieu of st	CONTACT).			
Cottingham & Butler	NAME: PHONE	7 5000	FAX	E62 E03	7220		
Rod Dettbarn (A/C, No, Ext): 553-587-5000 (A/C, No): 553-583-7339						5-7339	
800 Main St. Dubugue IA 52001							
			INSURER A : Arch Ins				NAIC # 11150
INSURED	BAUUNI	D1			asualty Company of Ameri	<u></u>	25674
Bauer Underground, Inc., Rowdy Inve			INSURER C : Pacific I			ca	10046
SBJ Construction Equipment Leasing 1710 N. Airport Road	Comp	any	INSURER D :		npurly, Ennice		10040
Norfolk NE 68701			INSURER E :				
			INSURER F :				
COVERAGES CEF	TIFIC	ATE NUMBER: 97423497			REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLICIES INDICATED. NOTWITHSTANDING ANY R CERTIFICATE MAY BE ISSUED OR MAY EXCLUSIONS AND CONDITIONS OF SUCH	EQUIRE PERTA	EMENT, TERM OR CONDITION IN, THE INSURANCE AFFORD IES. LIMITS SHOWN MAY HAVE	OF ANY CONTRACT ED BY THE POLICIE BEEN REDUCED BY	OR OTHER	DOCUMENT WITH RESPEC	ст то и	VHICH THIS
INSR LTR TYPE OF INSURANCE	INSD \	WVD POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s	
A X COMMERCIAL GENERAL LIABILITY		ZAPKG6609901	11/1/2018	11/1/2019	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,0 \$ 300,00	
					MED EXP (Any one person)	\$ 10,000	
					PERSONAL & ADV INJURY	\$ 1,000,0	00
GEN'L AGGREGATE LIMIT APPLIES PER:					GENERAL AGGREGATE	\$ 2,000,0	00
X POLICY X PRO- X LOC					PRODUCTS - COMP/OP AGG	\$ 2,000,0	00
OTHER:					Employee Benefits	\$ \$1M/\$2	M occ/agg
		ZACAT6606801 ZAPKG6609901	11/1/2018 11/1/2018	11/1/2019 11/1/2019	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,0	000
X ANY AUTO					BODILY INJURY (Per person)	\$	
OWNED SCHEDULED AUTOS ONLY AUTOS HIRED NON-OWNED					BODILY INJURY (Per accident)	\$	
HIRED NON-OWNED AUTOS ONLY					PROPERTY DAMAGE (Per accident)	\$	
						\$	
B X UMBRELLA LIAB X OCCUR		ZUP-71M89286-18-NF	11/1/2018	11/1/2019	EACH OCCURRENCE	\$ 10,000	,000
EXCESS LIAB CLAIMS-MADE					AGGREGATE	\$ 10,000	,000
DED X RETENTION \$ 0		7444010000704		44/4/0040	V PER OTH-	\$	
AND EMPLOYERS' LIABILITY		ZAWCI6606701	11/1/2018	11/1/2019	X PER OTH- STATUTE ER		
ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N / A				E.L. EACH ACCIDENT	\$ 1,000,0	
(Mandatory in NH) If yes, describe under					E.L. DISEASE - EA EMPLOYEE		
DÉSCRIPTION OF OPERATIONS below B Property/Inland Marine	+	QT-630-6J749262-TIL-18	11/1/2018	11/1/2019	E.L. DISEASE - POLICY LIMIT Contractors Equip.	\$ 1,000,0 8,816,0	
C Pollution		83 CPL ZV5651	12/11/2017	11/1/2019	Mold General Aggregate	1,000,0 2,000,0	00
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHIC Lancaster County is additional insured on i such a status subject to the terms and con in favor of the additional insureds per writt conditions of the endorsement attached to	he Ger ditions en cont	neral Liability policy per written of the endorsement attached to tract between the named insur-	contract between th o the policy. The Wo ed and the certificate	e named insu rkers Compe e holder that r	red and the certificate holes nsation policy includes a v	vaiver o	f subrogation
CERTIFICATE HOLDER			CANCELLATION				
Lancaster County 444 Cherrycreek Rd Lincoln NE 68528							
			KONI	Junte	se .		
			© 19	88-2015 AC	ORD CORPORATION.	All righ	ts reserved.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – STATE OR GOVERNMENTAL AGENCY OR SUBDIVISION OR POLITICAL SUBDIVISION – PERMITS OR AUTHORIZATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

State Or Governmental Agency Or Subdivision Or Political Subdivision:

ANY STATE OR POLITICAL SUBDIVISION WHERE REQUIRED BY CONTRACT, PERMIT OR AUTHORIZATION PROVIDED SUCH CONTRACT, PERMIT OR AUTHORIZATION WAS ISSUED PRIOR TO LOSS.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

- A. Section II Who Is An Insured is amended to include as an additional insured any state or governmental agency or subdivision or political subdivision shown in the Schedule, subject to the following provisions:
 - This insurance applies only with respect to operations performed by you or on your behalf for which the state or governmental agency or subdivision or political subdivision has issued a permit or authorization.

However:

- a. The insurance afforded to such additional insured only applies to the extent permitted by law; and
- b. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

- 2. This insurance does not apply to:
 - a. "Bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the federal government, state or municipality; or
 - b. "Bodily injury" or "property damage" included within the "products-completed operations hazard".
- B. With respect to the insurance afforded to these additional insureds, the following is added to Section III Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

- 1. Required by the contract or agreement; or
- 2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

POLICY NUMBER: ZAWCI6606701

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

ANY PERSON OR ORGANIZATION WHERE WAIVER OF OUR RIGHT TO RECOVER IS PERMITTED BY LAW AND IS REQUIRED BY WRITTEN CONTRACT PROVIDED SUCH CONTRACT WAS EXECUTED PRIOR TO DATE OF LOSS.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated. (The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

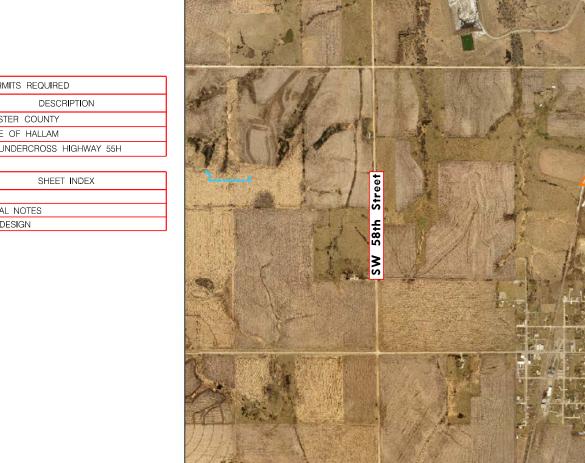
Endorsement Effective 11/01/2018 Policy No. ZAWCI6606701 Insured BAUER UNDERGROUND, INC Insurance Company ARCH INSURANCE COMPANY Endorsement No. Premium INCL.

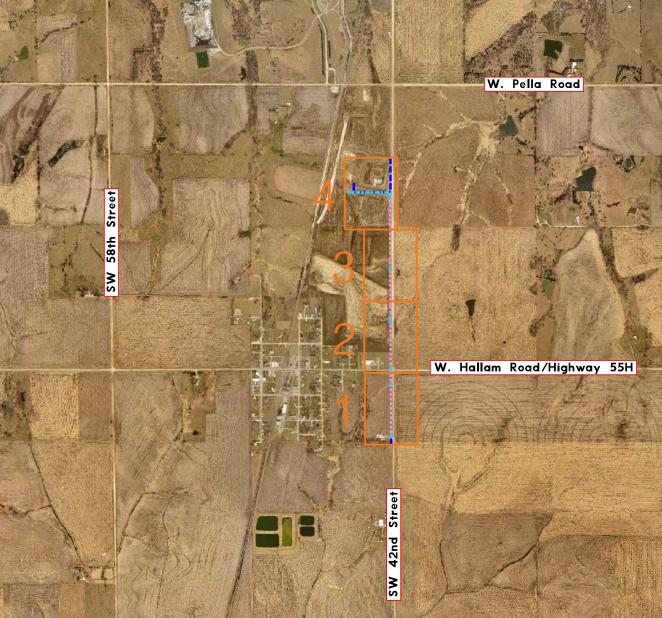
DATE OF ISSUE: 11-02-18

Countersigned By _____

PROJECT COORDINATION CONTACTS					
NAME	AGENCY	PHONE NUMBER	EMAIL		
JEREMY BECK	UNITE PRIVATE NETWORKS	402-860-0869	JEREMY.BECK@UPNFIBER.COM		
ALEX OLSON	LANCASTER COUNTY	402-441-8328	AOLSON@LANCASTER.NE.GOV		
	VILLAGE OF HALLAM	402-787-0505	VILLAGE.OF.HALLAM@GMAIL.COM		
KEITH KOHEL	NDOT	402-471-0850	KEITH.KOHEL@NEBRASKA.GOV		

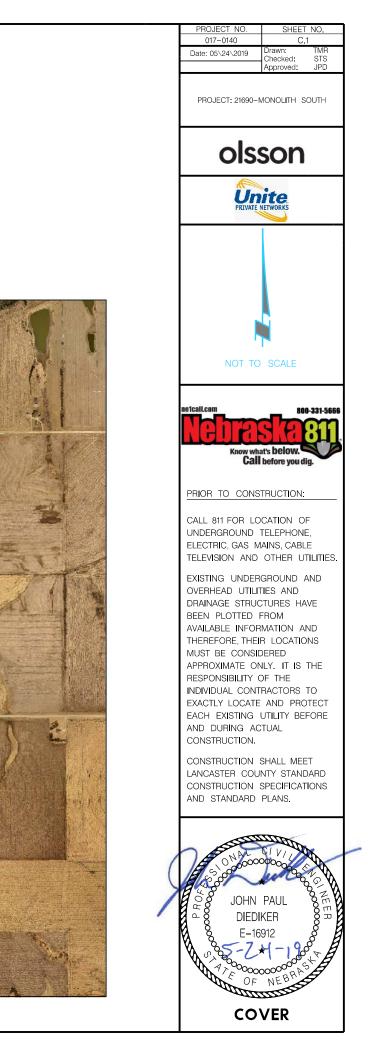
CITY OF LINCOLN, NEBRASKA UNITE PRIVATE NETWORKS 21690-MONOLITH SOUTH





PERMITS REQUIRED			
SHT. NO.	DESCRIPTION		
F.1–F.4	LANCASTER COUNTY		
F.2	VILLAGE OF HALLAM		
F.2	NDOT UNDERCROSS HIGHWAY 55H		

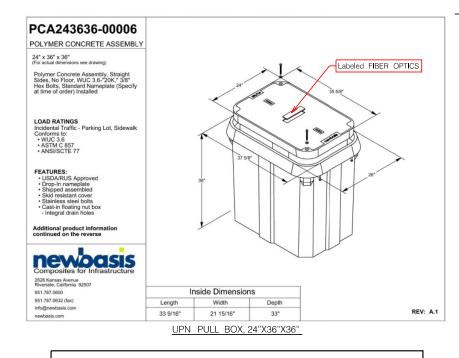
SHT. NO.	SHEET INDEX
C.1	COVER
G.1	GENERAL NOTES
F.1-F.4	FIBER DESIGN

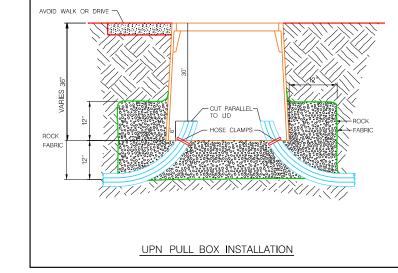


EXISTING CONDUIT	
EXISTING AERIAL FIBER	
BORED CONDUIT	
TRENCHED CONDUIT	
NEW AERIAL FIBER	
NEW AERIAL FIBER, OVERLASH	
MESSENGER CABLE	
NEW PULL BOX	D
NEW PEDESTAL	\boxtimes
NEW POLE	\odot
NEW DOWN GUY	
NEW RISER	•
NEW SLACK SPAN	↔
NEW SLACK LOOP	ω
EXISTING PULL BOX	D
EXISTING PEDESTAL	
EXISTING UTILITY POLE	0
EXISTING SLACK LOOP	œ
EXISTING SPLICE CASE	
EXISTING MANHOLE	0
SIGN	
BARRICADE	<u> </u>
DRUM	۲
BORE PIT	
ARROW PANEL	< < <

CABLE AND CONDUIT DESIGNATIONS

B is Conduit Bored (ie..3" B) C is conductor (ie. 3/C) CC is Coaxial Cable CCC is Camera Control Cable CDC is Camera Detector Cable CG is Circuit Ground CPC is Camera Power Cable DB is Direct Buried DMSC is Dynamic Message Sign Cable EDC is Emergency Detector Cable ETW is Electric Tracer Wire EX is Existing EL is Eabric Interduct FLC is Fiber Locate Cable FTW is Fiber Tracer Wire INS is Install INT is Intraduct LC is Lead-In Cable M is Conduit Mounted (ie..2" M) 4-MB is Main Line Conduit Group Bored (4) 1 1/4" MM is Multi Mode Fiber Cable 4-MT is Main Line Conduit Group Trenched (4) 1 1/4" NO is Number OH is Over Head PR is Pair of Communication (ie., 6 PR) REL is Relocate REM is Remove SC is Service Cable SL is Street Light SM is Single Mode Fiber Cable T is Conduit Trenched (ie. 3" T) TW is Tracer Wire (black or green)





SUMMARY OF QUANTITIES				
ITEM	UNIT	QUANTITY		
CONDUIT, 1.5" B	LF.	1,817		
CONDUIT, 1.5" T	LF.	3,805		
TRACER WIRE	LF.	5,622		
UPN PULL BOX	EA.	3		
FIBER, 144 SM, UNDERGROUND	LF.	5,622		
FIBER, 144 SM, UNDERGROUND SLACK STORAGE	LF.	500		

- THE LOCATIONS OF ALL AERIAL AND UNDERGROUND UTILITY 1 FACILITIES MAY NOT BE INDICATED ON THESE PLANS. UNDERGROUND UTILITIES, WHETHER SHOWN OR NOT, WILL BE LOCATED AND FLAGGED BY THE UTILITIES UPON THE REQUEST OF THE CONTRACTOR. NO EXCAVATION WILL BE PERMITTED IN THE AREA OF THE UNDERGROUND UTILITIES UNTIL ALL SUCH FACILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL UNDERGROUND AND AERIAL UTILITIES AND CONSTRUCTIONS.
- 2. UNLESS AGREED TO IN WRITING IN ADVANCE BY THE CITY, THE DEPTH OF INSTALLED FACILITIES SHALL BE, AT A MINIMUM, AS FOLLOWS: FORTY-EIGHT (48)
 - A. FORTY-TWO (42) INCHES IN SOIL, FORTY-EIGHT (48)
 - В. FORTY-TWO (42) INCHES BELOW A PROJECTED SLOPE FROM THE FLOW LINE OF A DITCH AT A THREE (3) HORIZONTAL AND ONE (1) VERTICAL SLOPE,
 - C. FORTY-EIGHT (48) INCHES UNDER A ROADWAY MEASURED FROM THE SURFACE OF SAID ROADWAY TO THE TOP OF THE INSTALLATION, SEVENTY-TWO (72)
 - DESIGN FLOW LINE, AND
 - EXISTING UTILITIES.
- 3. ALL POTHOLES IN SIDEWALK PANELS WILL REQUIRE FULL PANEL REPLACEMENT.
- ANY CUT OR POTHOLE IN A CONCRETE STREETS PANEL WILL REQUIRE FULL 4 PANEL REPLACEMENT.
- 5. ANY CUT OR POTHOLE IN A ASPHALT STREET LANE WILL REQUIRE SEAM TO SEAM ASPHALT MILLING AND REPLACEMENT.

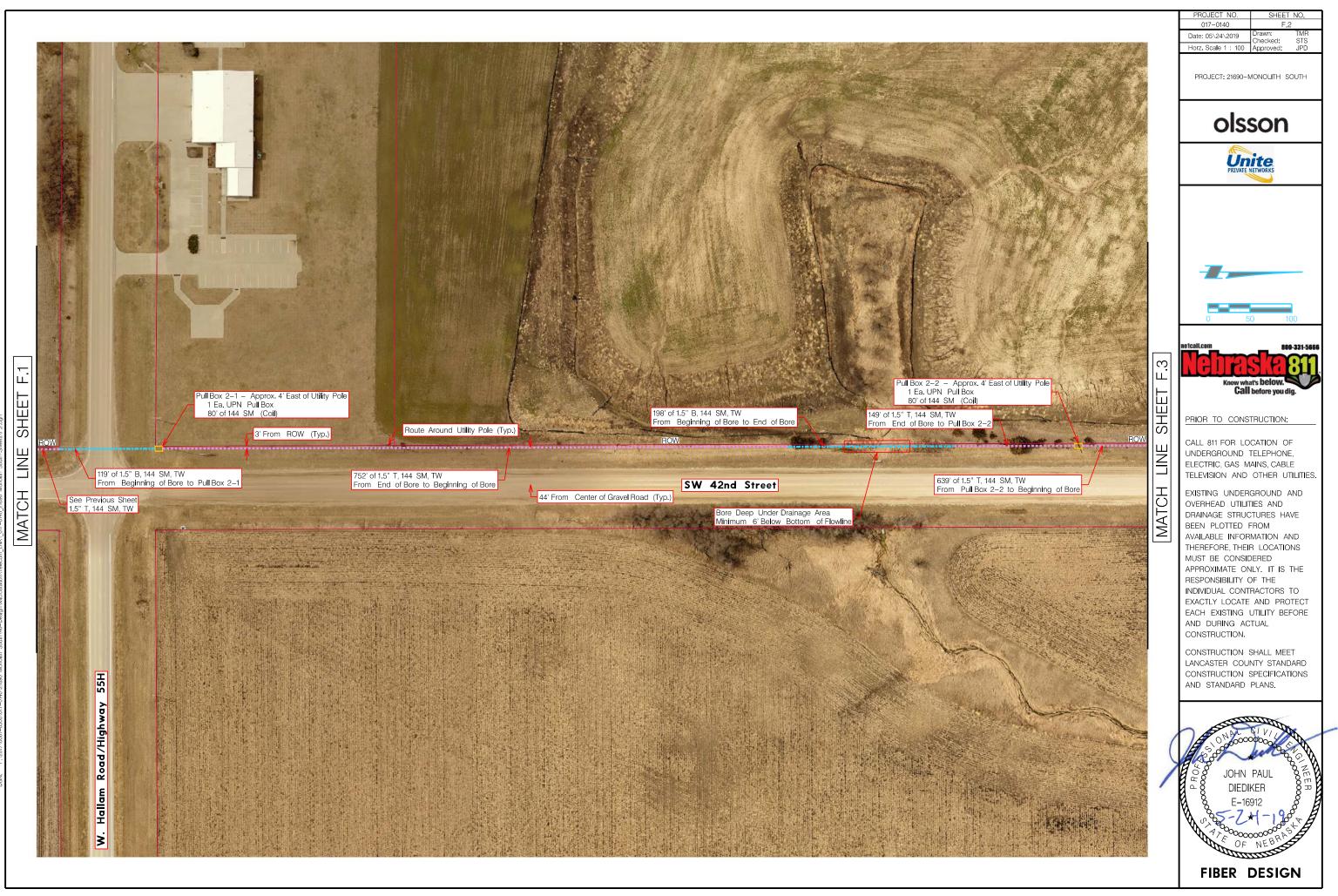
PROJECT NOTES

- D. FORTY-EIGHT (48) INCHES UNDER A STORM WATER OR CREEK CHANNEL
- E. MAINTAIN A MINIMUM OF 24" OF VERTICAL & HORIZONTAL SPACING FROM





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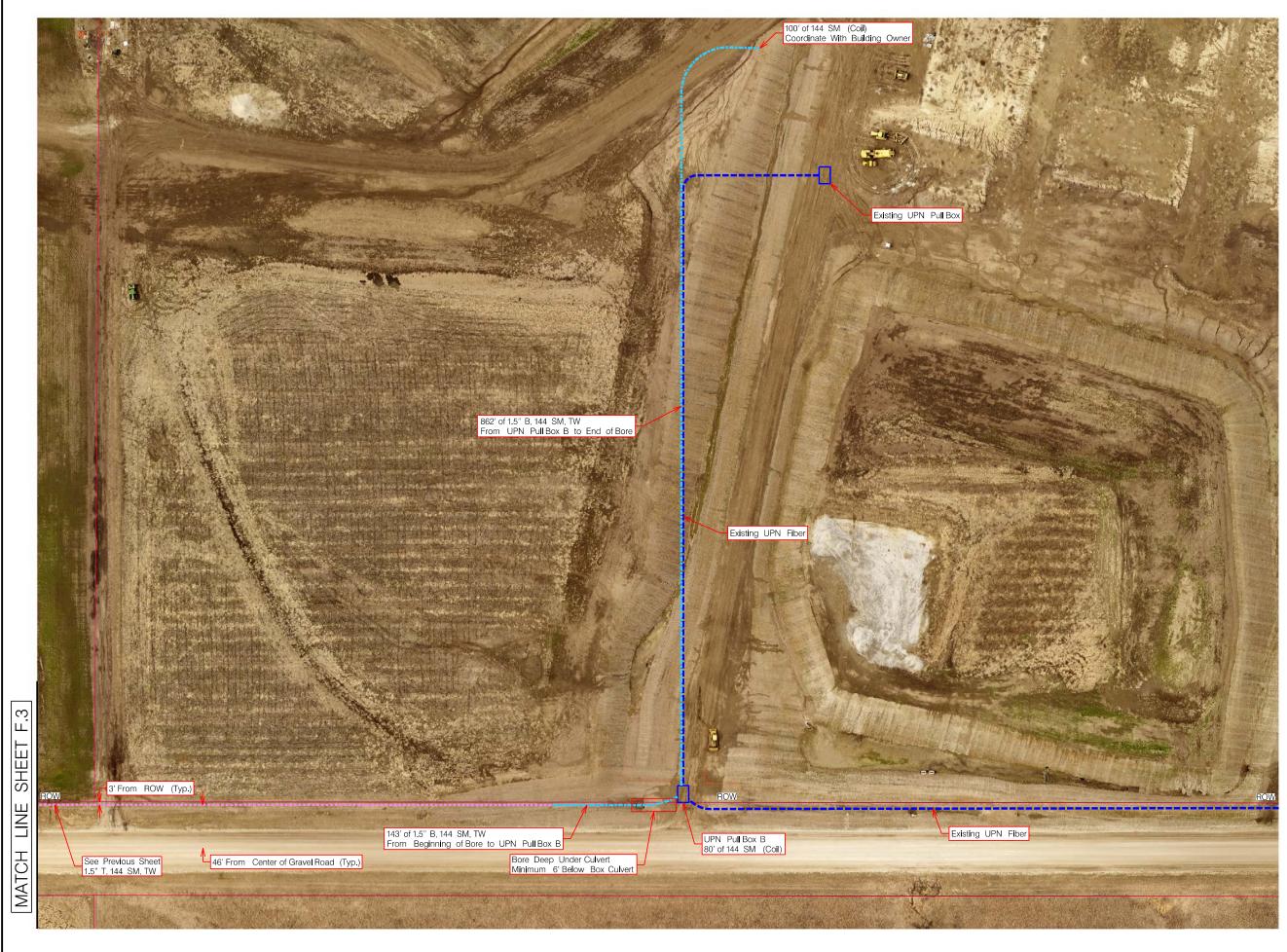


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