

Received Date

**LANCASTER COUNTY
555 SOUTH 10TH STREET
LINCOLN, NE 68508**

Utility Permit No.

Application Date

**Application to Construct
Utilities On County property**

Project or WO No.

Contract No.

County Rep.

Application is hereby made to LANCASTER COUNTY by:

Name:

Company Name:

Phone:

Address:

E-Mail:

To construct a utility or utilities on County right-of-way as follows:

LEGAL DESCRIPTION:

UTILITY TO BE CONSTRUCTED

TYPE

DESCRIPTION

ANNOTATION

Other

PROPOSED UTILITY INSTALLATION

METHOD

SIZE/WIDTH

DESCRIPTION

DEPTH

DESCRIPTION

Other

NAME AND ADDRESS OF CONTRACTOR(S) PERFORMING THE WORK (if Applicable):

UTILITY PERMIT REQUIREMENTS

NOTE – 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 open-cut 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.
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 Devices.**
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. *****Utility Company and or their Agents shall be responsible to notify the Lancaster County Engineering Department upon completion of permitted utility work.*****

TYPICAL CROSS SECTION OF ROAD CROSSING

(Proposed Drawing by Applicant)

I (We) agree to construct the _____ in accordance with the permit requirements and
(utility)
the provisions included as a part of this permit.

COMPANY:

DATE:

SIGNED BY:

EXECUTION BY LANCASTER COUNTY

The above application is hereby approved subject to the requirements and provisions of the permit.

APPROVED and dated this _____ day of _____ by the Lancaster County
Board of Commissioners.

LANCASTER COUNTY BOARD OF COMMISSIONERS

Chairperson

APPROVED as to form

this _____ day of _____

Deputy County Attorney

REVIEWED this _____ day of _____, _____

Lancaster County Engineering Representative

I (We) agree to construct the _____ (utility) _____ in accordance with the permit requirements and the provisions included as a part of this permit.

COMPANY:

DATE:

SIGNED BY:

EXECUTION BY LANCASTER COUNTY

The above application is hereby approved subject to the requirements and provisions of the permit.

Date

Signed By:

Lancaster County Representative

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(TO BE FILLED IN BY COUNTY PERSONNEL)

Encasement Requirements:

Barricade, Signing and Flagging Requirements:

Methods of Installation:

Minimum Cover Provided in Road Ditches:

Other Requirements:

Additional Comments:

**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. Commercial General Liability

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 Automobile Liability

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 Intentionally Omitted

1.4. Workers' Compensation; Employers' Liability

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 Intentionally Omitted

1.5.1 Intentionally Omitted

1.6 Intentionally Omitted

1.7 Intentionally Omitted

1.8 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.

1.8.1 Railroad Protective Liability (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 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 Intentionally Omitted

2. Risk of Loss

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. Umbrella or Excess Liability

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. Minimum Scope of Insurance

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. Indemnification

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. Reservation of Rights

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. Sovereign Immunity

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.

Named Insured: MP Nexlevel, LLC



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/04/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis of Minnesota, Inc. c/o 26 Century Blvd. P. O. Box 305191 Nashville, TN 37230-5191	CONTACT NAME:		
	PHONE (A/C.NO./EXT):	877-945-7378	FAX (A/C.NO.): 888-467-2378
	E-MAIL ADDRESS:	certificates@willis.com	
	INSURER(S)AFFORDING COVERAGE	NAIC #	
INSURED MP Nexlevel, LLC 500 County Road 37 East Maple Lake, MN 55358	INSURER A:	XL Insurance America, Inc.	24554-001
	INSURER B:	Greenwich Insurance Company	22322-001
	INSURER C:	Lexington Insurance Company	19437-000
	INSURER D:	XL Specialty Insurance Company	37885-001
	INSURER E:		
	INSURER F:		

COVERAGES

CERTIFICATE NUMBER: 25744677

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDD NSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	Y		CGD740933703	8/31/2017	8/31/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
	GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY	Y		CAD740926904	8/31/2017	8/31/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY(Per person) \$ BODILY INJURY(Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			015681347	8/31/2017	8/31/2018	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	CWD740926704 CWR740927104	8/31/2017 8/31/2017	8/31/2018 8/31/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: construct a utility or utilities on County right-of-way as follows:
East 1/2 of Section 12, T7N, R5E; West 1/2 of Section 7, T7N, R6E.

Lancaster County is included as an Additional Insured as respects to General Liability and Auto Liability.

General Liability policy shall be Primary and Non-contributory with any other insurance in force for or which may be purchased by Additional Insured if required by written contract or agreement.

CERTIFICATE HOLDER**CANCELLATION**

Lancaster County 444 Cherrycreek Rd. Bldg. C Lincoln, NE 68528	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE



ADDITIONAL REMARKS SCHEDULE

AGENCY Willis of Minnesota, Inc.		NAMED INSURED MP Nexlevel, LLC 500 County Road 37 East Maple Lake, MN 55358	
POLICY NUMBER See First Page		EFFECTIVE DATE: See First Page	
CARRIER See First Page	NAIC CODE		

ADDITIONAL REMARKS

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE**

Auto Liability policy shall be Primary and Non-contributory with any other insurance in force for or which may be purchased by Additional Insured if required by written contract.

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:

LANCASTER COUNTY
444 CHERRYCREEK ROAD, BUILDING C
LINCOLN, NE 68528

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:

1. 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.

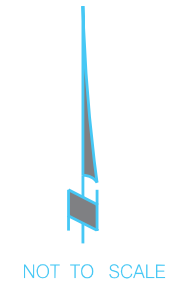
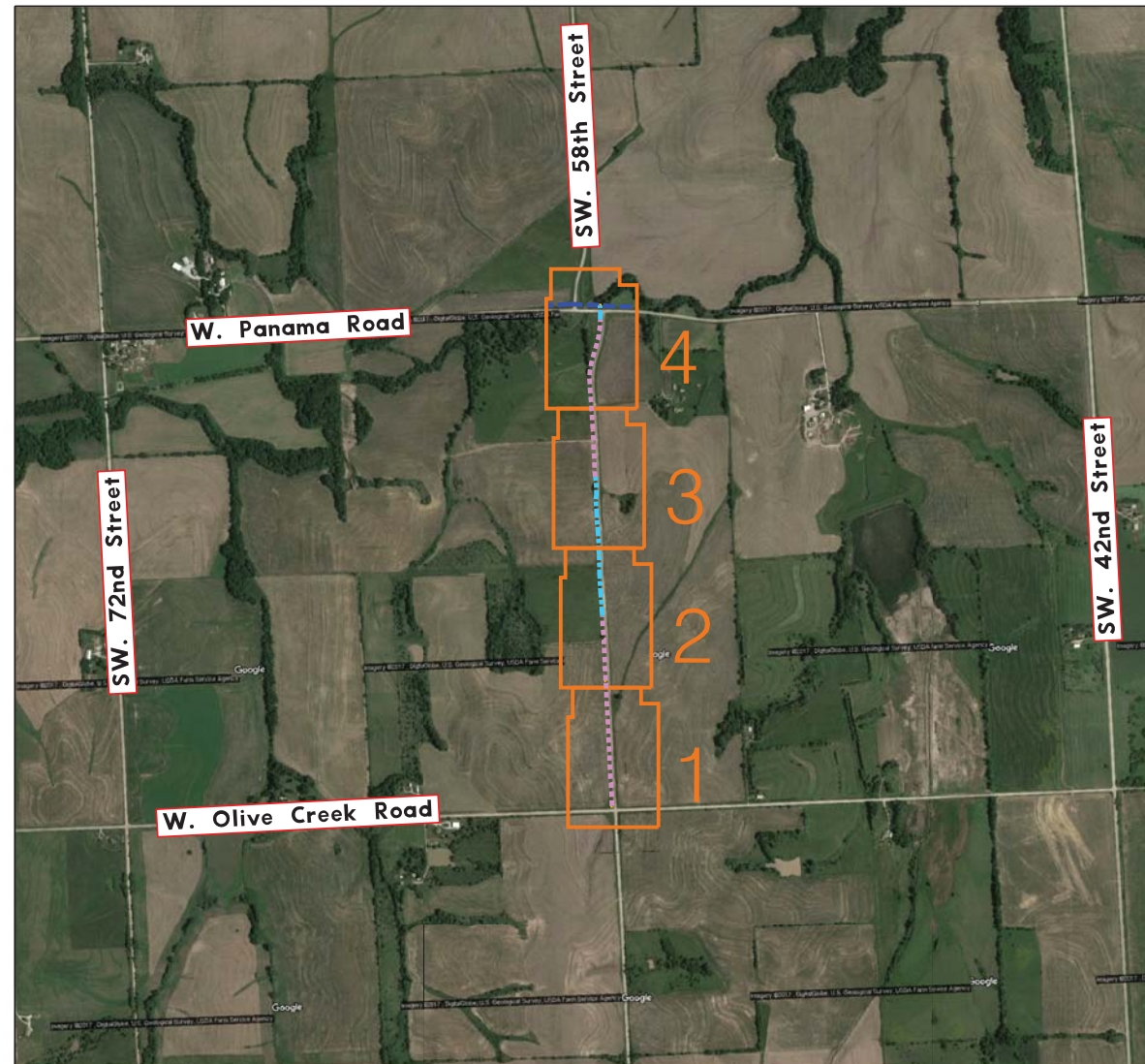
This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

PROJECT COORDINATION CONTACTS			
NAME	AGENCY	PHONE NUMBER	EMAIL
CORY DAMGAARD	UNITE PRIVATE NETWORKS	402-430-1760	CORY.DAMGAARD@UPNFIBER.COM
KEN SCHROEDER	LANCASTER COUNTY	402-441-7681	KSCHROEDER@LANCASTER.NE.GOV
Bob Jacobs	Lancaster County	402-441-7797	rjacobs@lancaster.ne.gov

LANCASTER COUNTY, NEBRASKA

UNITE PRIVATE NETWORKS

SW. 58TH ROAD MOVE



PERMITS REQUIRED	
SHT. NO.	DESCRIPTION
F.1-F.4	LANCASTER COUNTY
F.4	FLOODPLAIN

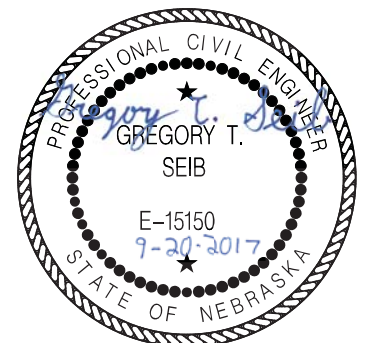
SHT. NO.	SHEET INDEX
C.1	COVER
S.1	SUMMARY OF QUANTITIES & DETAILS
F.1-F.4	FIBER DESIGN



PRIOR TO CONSTRUCTION:

CALL 811 FOR LOCATION OF UNDERGROUND TELEPHONE, ELECTRIC, GAS MAINS, CABLE TELEVISION AND OTHER UTILITIES.

NOTE: EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE AND PROTECT EACH EXISTING UTILITY BEFORE AND DURING ACTUAL CONSTRUCTION.



COVER

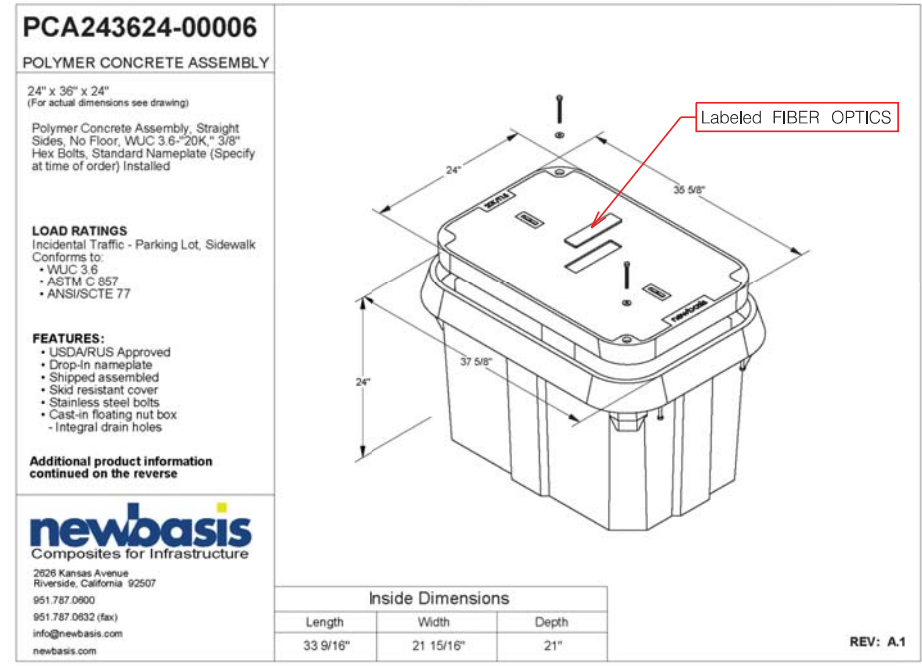
USER: ckrull
 DATE: 09\20\2017
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LEGEND OF SYMBOLS

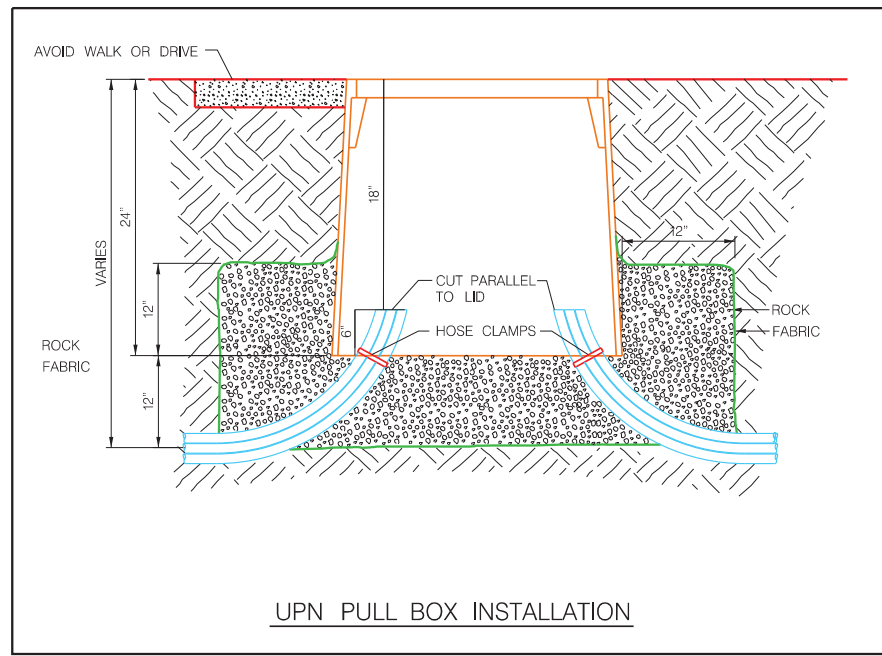
- EXISTING CONDUIT
- EXISTING AERIAL FIBER
- BORED CONDUIT
- TRENCHED CONDUIT
- NEW AERIAL FIBER
- NEW AERIAL FIBER, OVERLASH
- MESSENGER CABLE
- NEW PULL BOX
- NEW PEDESTAL
- NEW POLE
- NEW DOWN GUY
- NEW RISER
- NEW SLACK SPAN
- NEW SLACK LOOP
- EXISTING PULL BOX
- EXISTING PEDESTAL
- EXISTING UTILITY POLE
- EXISTING SLACK LOOP
- EXISTING SPLICE CASE
- EXISTING MANHOLE
- SIGN
- BARRICADE
- DRUM
- 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
- FI is Fabric 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)



UPN PULL BOX, 24"X36"X24"



UPN PULL BOX INSTALLATION

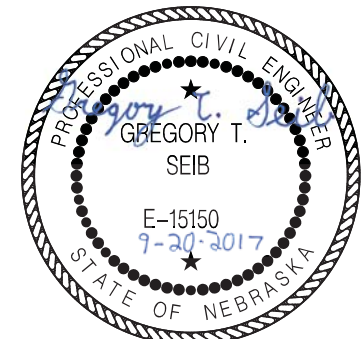
PROJECT NOTES

1. THE LOCATIONS OF ALL AERIAL AND UNDERGROUND UTILITY 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:
 - A. FORTY-TWO (42) INCHES IN SOIL,
 - B. 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,
 - ~~*** D. FORTY-EIGHT (48) INCHES UNDER A STORM WATER OR CREEK CHANNEL DESIGN FLOW LINE, AND~~
SEVENTY-TWO (72)
 - E. MAINTAIN A MINIMUM OF 24" OF VERTICAL & HORIZONTAL SPACING FROM EXISTING UTILITIES.
3. ALL POTHOLES IN SIDEWALK PANELS WILL REQUIRE FULL PANEL REPLACEMENT.
4. ANY CUT OR POTHOLE IN A CONCRETE STREETS PANEL WILL REQUIRE FULL PANEL REPLACEMENT.
5. ANY CUT OR POTHOLE IN A ASPHALT STREET LANE WILL REQUIRE SEAM TO SEAM ASPHALT MILLING AND REPLACEMENT.

*** See section #1 of the "UTILITY PERMIT REQUIREMENTS" for required depth of installed utility.***

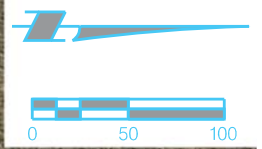
SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
CONDUIT, 1.25" T	LF.	3753
CONDUIT, 1.25" B	LF.	1661
TRACER WIRE	LF.	5414
UPN PULL BOX	EA.	5
FIBER, 96 SM, UNDERGROUND	LF.	5414
FIBER, 96 SM, UNDERGROUND SLACK STORAGE	LF.	400



SUMMARY OF QUANTITIES & DETAILS

USER: ckrill DATE: 09/20/2017 DGN: F:\2017\0001-0500\017-0078\SW 58th Road Move\40-Design\Microstation\Telecom_STATE_017-0078_SW 58th Road Move\Sheets\General Notes.dgn



Pull Box 1-1 - Approx. 28' North & 30' West of Centerline of Gravel Road
 1 Ea. UPN Pull Box
 80' of 96 SM (Coil)

SW. 58th Street

1350' of 1.25" T, 96 SM, TW
 From Pull Box 1-1 to Pull Box 2-1

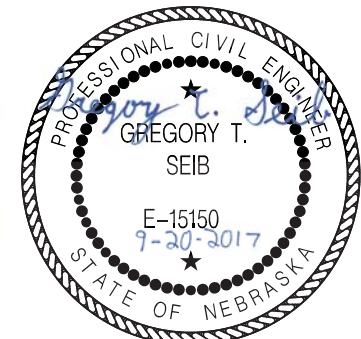
30' From Centerline of Dirt Road (Typ.)

54"x60' Culvert (W-7) running E-W under SW 56th St., will need to bore @ 72" unless 5' from structure or FL

W. Olive Creek Road

MATCH LINE SHEET F.2

USER: ckrill
 DATE: 09/20/2017
 DGN: F:\2017\0001-0500\017-0078\SW 58th Road Move\4D-Design\Microstation\Telecom_STATE\017-0078_SW 58th Road Move\Sheets\SW 58th Road Move_F.1.dgn



FIBER DESIGN



MATCH LINE SHEET F.1

MATCH LINE SHEET F.3



Pull Box 2-1 – Approx. 30' West of Centerline of Dirt Road
1 Ea. UPN Pull Box
80' of 96 SM (Coil)

697' of 1.25" T, 96 SM, TW
From Pull Box 2-1 to End of Trench

Pull Box 2-2 – Approx. 30' West of Centerline of Dirt Road
1 Ea. UPN Pull Box
80' of 96 SM (Coil)

844' of 1.25" B, 96 SM, TW
From Pull Box 2-2 to End of Bore

See Previous Sheet
1.25" T, 96 SM, TW

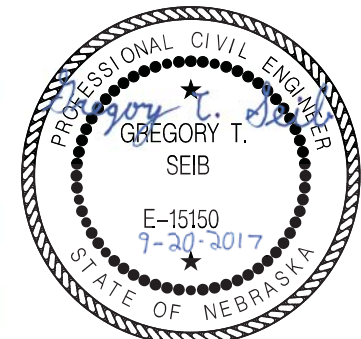
30' From Centerline of Dirt Road (Typ.)

Bore Pit, 5'x5'

SW. 58th Street

657' of 1.25" B, 96 SM, TW
From Beginning of Bore to Pull Box 2-2

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 DGN: F:\2017\0001-0500\017-0078\SW 58th Road Move\4D-Design\Microstation\Telecom_STATE_017-0078_SW 58th Road Move\Sheets\SW 58th Road Move_F.2.dgn



FIBER DESIGN



MATCH LINE SHEET F.2

MATCH LINE SHEET F.4



See Previous Sheet
1.25" B, 96 SM, TW

SW. 58th Street

W-246 removed from inventory, could not locate pipe, might be buried.

Route Around Trees

Bore Pit, 5'x5'

510' of 1.25" T, 96 SM, TW
From Beginning of Trench to Pull Box 3-1

Pull Box 3-1 - Approx. 30' West of Centerline of Dirt Road
1 Ea. UPN Pull Box
80' of 96 SM (Coil)

30' From Centerline of Dirt Road (Typ.)

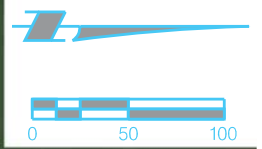
1196' of 1.25" T, 96 SM, TW
From Pull Box 3-1 to End of Trench

3' From Fence Line



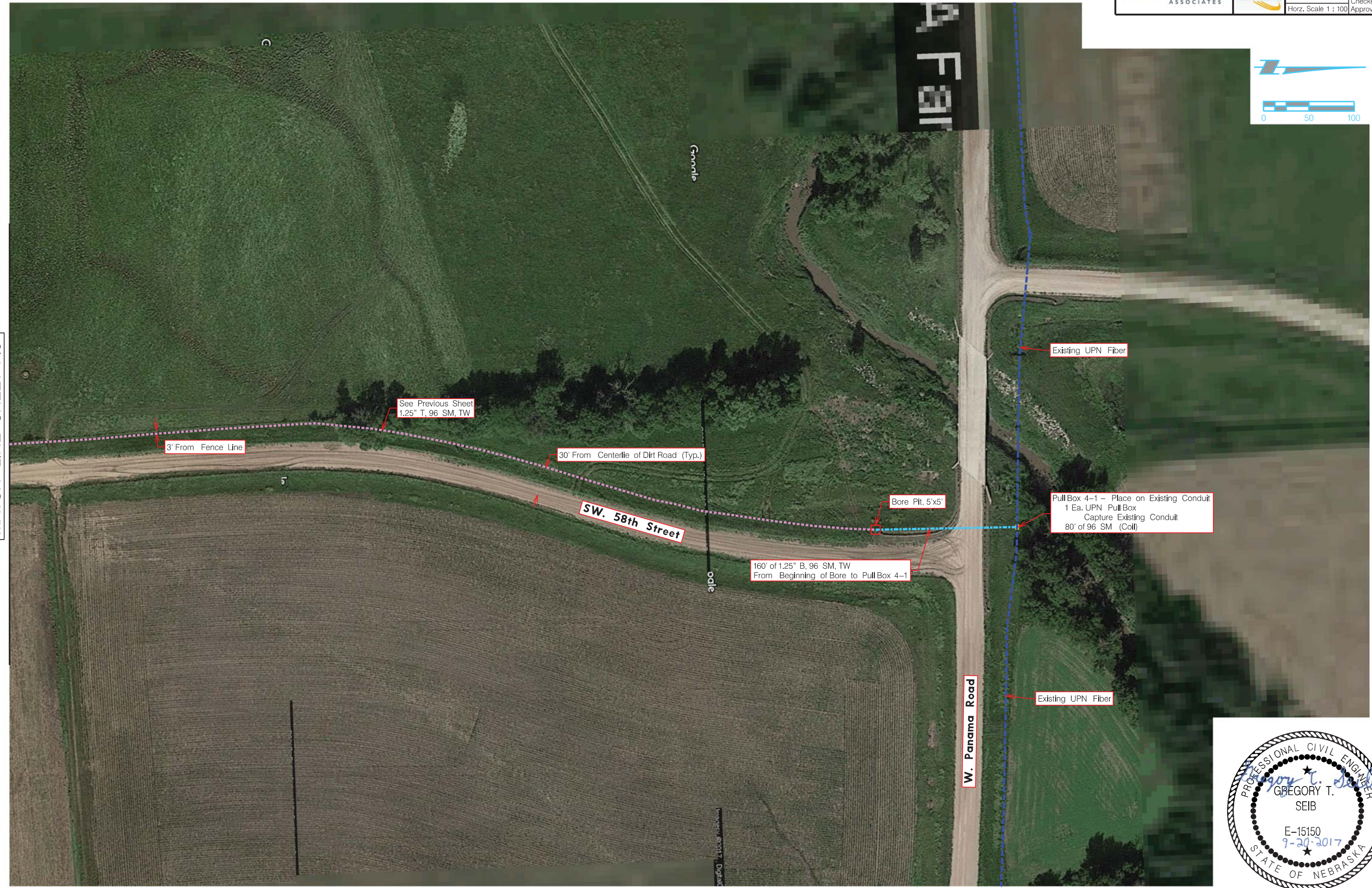
FIBER DESIGN

USER: ckrill
 DATE: 09/20/2017
 DGN: F:\2017\001-0500\017-0078\SW 58th Road Move\4D-Design\Microstation\Telecom_STATE\017-0078_SW 58th Road Move\Sheets\SW 58th Road Move_F.3.dgn



MATCH LINE SHEET F.3

USER: ckrill
 DATE: 09/20/2017
 DGN: F:\2017\0001-0500\017-0078\SW 58th Road Move\4D-Design\Telecom\STATE_017-0078_SW 58th Road Move\Sheets\SW 58th Road Move_F.4.dgn



3' From Fence Line

See Previous Sheet
1.25" T, 96 SM, TW

30' From Centerline of Dirt Road (Typ.)

SW. 58th Street

Bore Pit, 5'x5'

160' of 1.25" B, 96 SM, TW
From Beginning of Bore to Pull Box 4-1

Existing UPN Fiber

Pull Box 4-1 - Place on Existing Conduit
1 Ea. UPN Pull Box
Capture Existing Conduit
80' of 96 SM (Coil)

Existing UPN Fiber

W. Panama Road



FIBER DESIGN