

SEE SHEET 2 FOR
INDEX OF SHEETS,
GENERAL NOTES,
AND
COMMITMENTS

Project Description:
Residential fiber buildout

Geographic Information:

State: Illinois
County: McHenry
City: Lake in the Hills

List of Permitting Authorities:

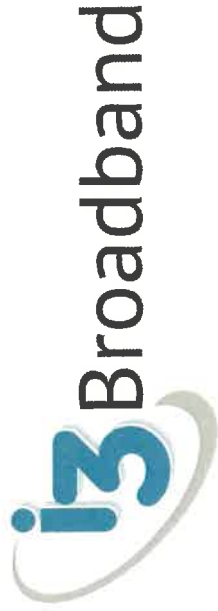
1. Village of Lake in the Hills

i3Broadband - Engineering Department
PHONE: (309) 670-0400 ext. 400
EMAIL: engineering@i3broadband.com

Project Designer: **Steven Berchtold**
Const. Manager: **Nemanja Stanojevic**
Market Manager: **Coty Keoprasa**

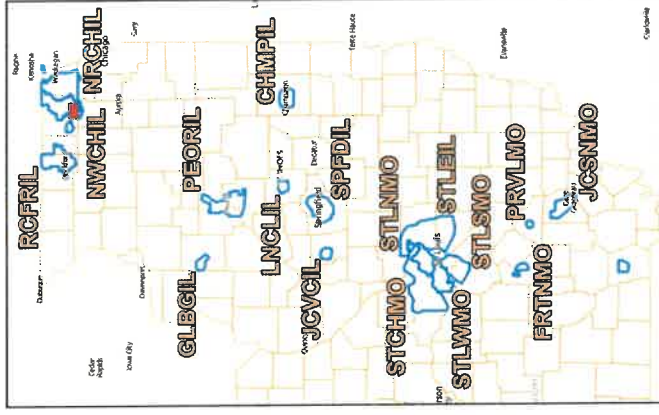
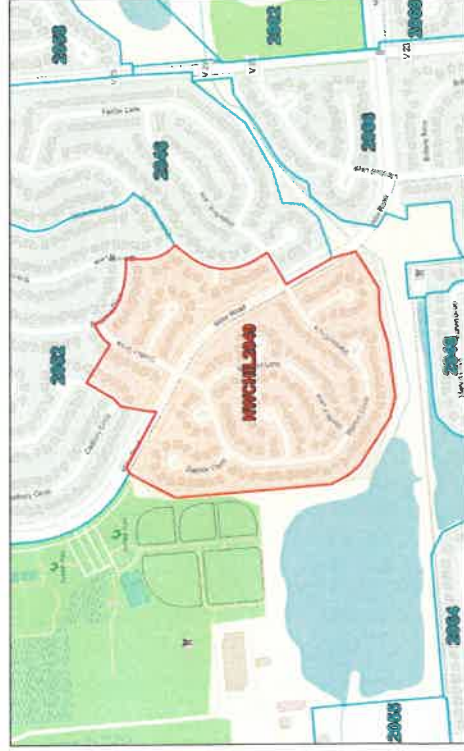


FOR LOCATING SERVICES
CALL: (800) 892-0123 (IL)
(800) 344-7483 (MO)
or 811 (US)



PLANS FOR PROPOSED FIBER INSTALLATION

Market: NWCHIL
Chassis: NWCHILMXKC03
Sector: NWCHIL2049
Bore Footage: 8683
Passings: 182



**SUBMITTED
FOR PERMITTING**

Printed: 4/15/2025
Time: 2:45 PM

PROJECT ENGINEER:	Steven Berthold
REVISIONS	
/ 24 No. _____	
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SPECIAL PERMITTING COMMITMENTS

- Lake in the Hills
1. No specific requirements.

INDEX OF SHEETS

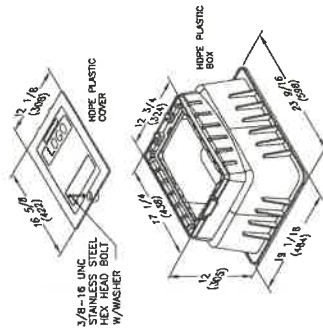
C1	Cover Sheet
N1	Index, General Notes, and Commitments Sheet
D71	Typical Vault Details Sheet
D72	Typical Vault Installation Details Sheet
L1	Symbol Reference Legend Sheet
P01	Project Overview Map
D1 - D3	Duct and Vault Installation Maps
F1 - F3	Fiber Installation Maps

GENERAL PLAN NOTES

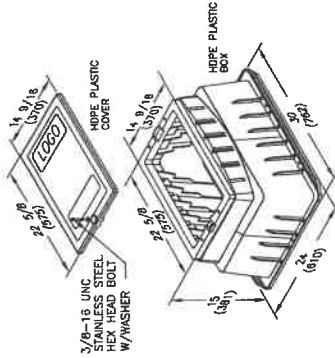
1. These notes shall be applicable to all operations performed under this contract, except when they conflict with any SPECIAL PERMIT COMMITMENTS (SEE THIS SHEET). In such cases, the notes in that section shall supercede these notes.
2. All care should be taken to mitigate damage to existing utilities. OneCall shall be contacted before any boring or excavation.
3. Note that handholes drawn on the shared lot line can be adjusted to either side of the lot line as necessary, which is standard on i3Broadband prints. Handholes that are shifted to one side of a lot line need to be placed on that side of the lot line, generally to comply with an easement, or to avoid a driveway or large tree.
4. Construction change order requests shall be coordinated with the appropriate i3 Construction Department Representative and CLEARLY DOCUMENTED ON THESE PLANS AS RED-LINED AS-BUILT DRAWINGS.
5. Any damage to adjacent properties caused by construction operations within the work area shall be fully restored to their ORIGINAL CONDITION.
6. Dimensions (approximate, in feet) shown generally indicate total Right-of-Way width, or Utility Easement width relative to nearest lot line. Rights-of-Way and Utility Easements are not necessarily uniform (i.e. not split evenly a cross street centerline or property line). Contact i3 as needed for clarity.
7. SLACK NOTES:
-All taps are to have 4' of slack at the head, 55' at the splice case, and no slack storage anywhere else.
-Mainline cable to have 55' at all ends/out points and 110' at all #3 or larger handholes where cable is uncut.
-Any other abnormalities will be noted on prints.
8. The CONTRACTOR shall be required to comply with all Federal, State, and Local laws/ordinances, in addition to all i3broadband contract documents.

**SUBMITTED
FOR PERMITTING**

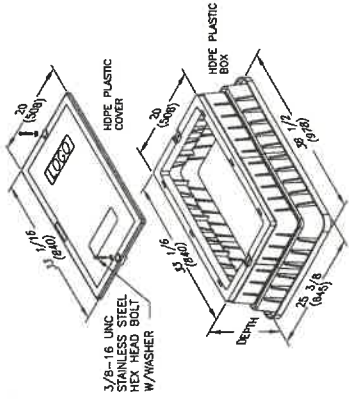
TYPICAL VAULT (HANDHOLE) DETAILS



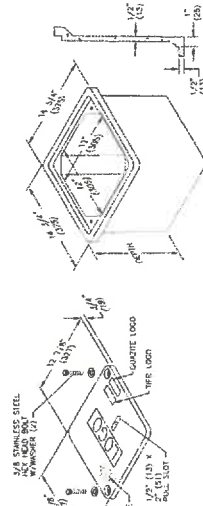
HH1 (PE-14 or Eq.)



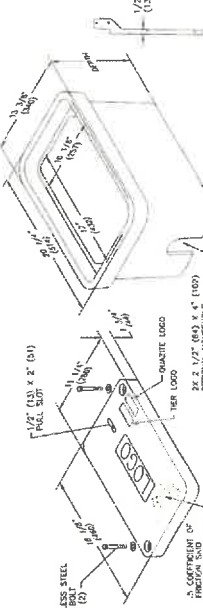
HH2 (PE-20 or Eq.)



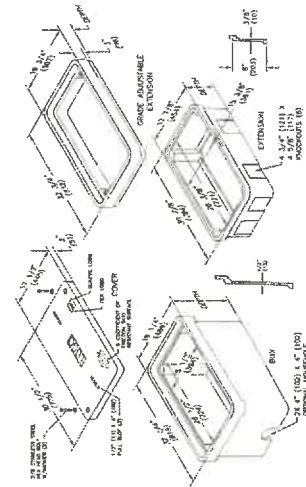
HH3 (PE-30 or Eq.)



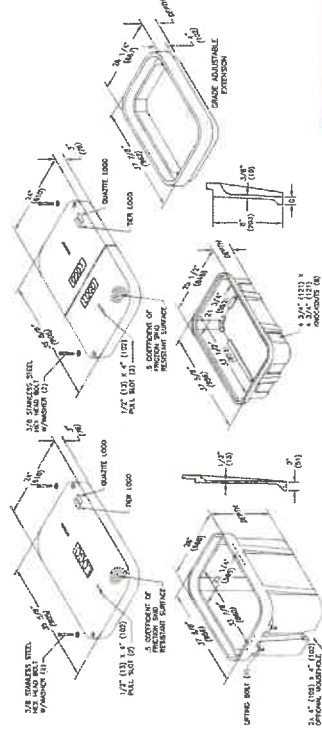
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HH1 (TIER15 RATED) (QUAZITE 11x18 or Eq.)



HH3 (TIER15 RATED) (QUAZITE 17x30 or Eq.)

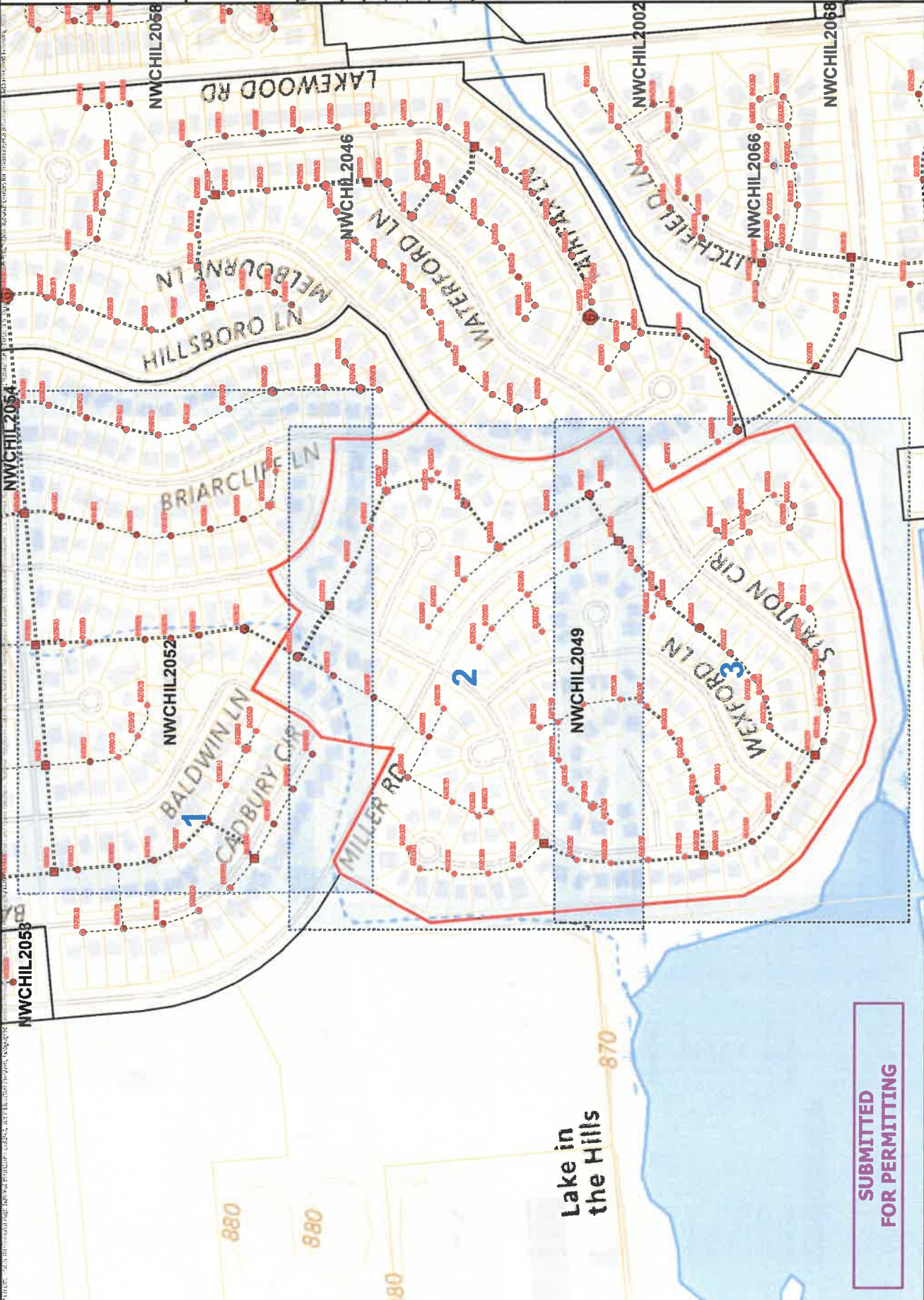


HH6 (TIER15 RATED) (QUAZITE 24x36 or Eq.)

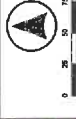
NOTE:
Dimensions shown on this sheet represent typical
manufacturing tolerances based on laboratory
testing and field experience. Dimensions may vary
between manufacturers.

**SUBMITTED
FOR PERMITTING**

PROJECT ENGINEER:	Steven Berchbold
REVISIONS	
/ 724 No. _____	
/ 724 No. _____	
/ 724 No. _____	
/ 724 No. _____	



SUBMITTED FOR PERMITTING



PCS USA Continuous Equidistant Contour
SHEET NOTES:
 1. See Sheet D12 for typical road crossing and core fit details.
 2. Method of conduit installation shall be as shown on the plans and as otherwise noted on the plans or SPECIAL PERMITTING COMMITMENTS (see sheet H1).
 3. Additional conduit locations (other than those shown on the plans) shall be shown ONLY. Additional ducts shall follow the same general layout as the primary duct.

PROJECT ENGINEER: Steven Berthold

REVISIONS	
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/	/ 24 No.
/	/ 24 No.

PROPOSED FIBER INSTALLATION PLANS
FIBER INSTALLATION PLAN MAPS
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SECTOR: NWCH112049

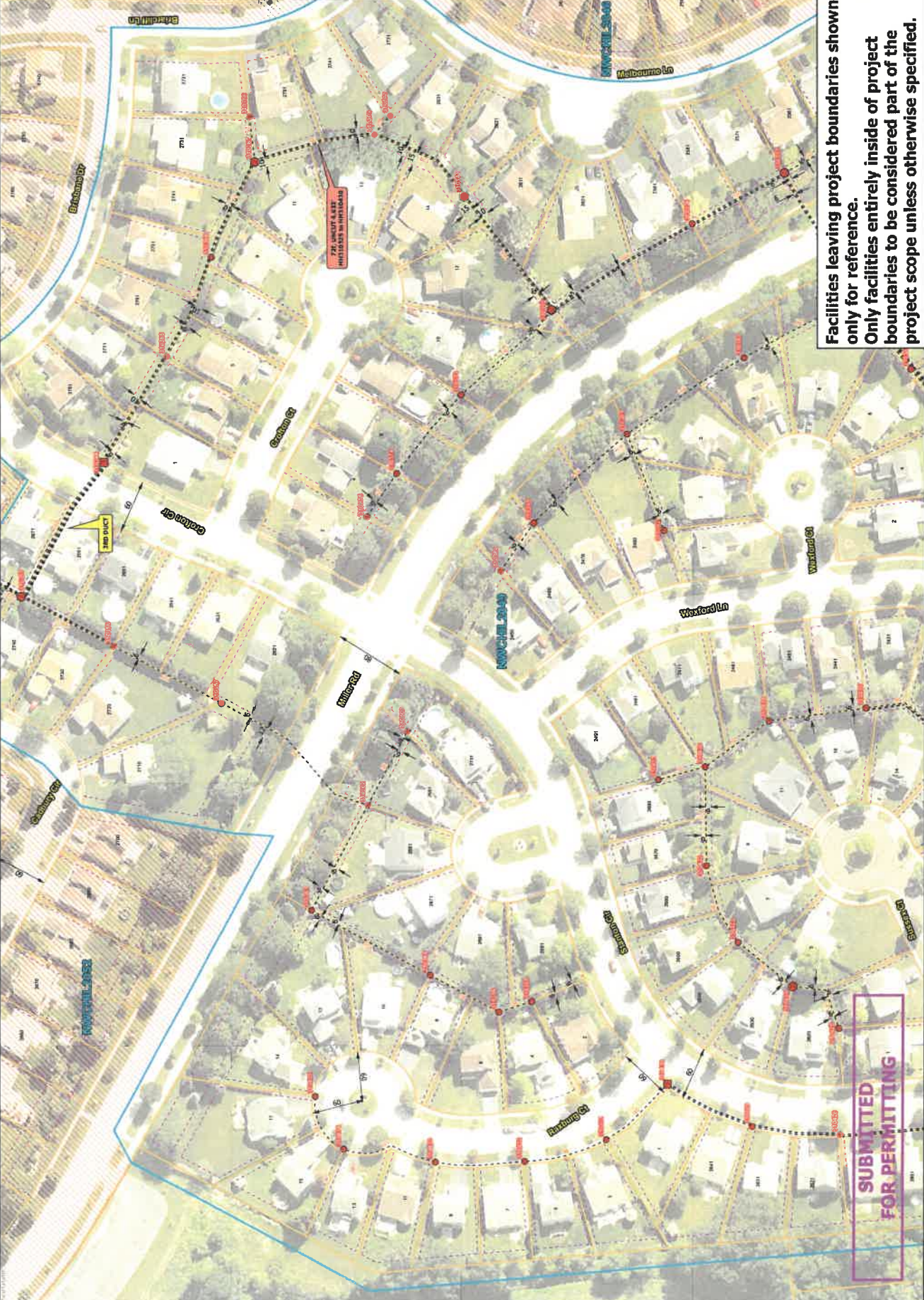
SHEET: **D1**



Facilities leaving project boundaries shown only for reference. Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.

SUBMITTED FOR PERMITTING

REVISIONS	
/ 724 No. _____	
/ 724 No. _____	
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Facilities leaving project boundaries shown only for reference.
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SUBMITTED FOR PERMITTING



PCS: USA Continuous Equidistant Contour
 SCALE: 1" INCH = 50 FEET
SHEET NOTES:
 1. Facilities shown are shown as either from proposed conduit, or existing representation ONLY. They shall be installed within proposed conduit.
 2. Contractor shall verify all dimensions prior to installing fiber conduit.
 3. See sheet #11 for installed floor cable slot requirements.

PROJECT ENGINEER:
 Steven Berchold

REVISIONS

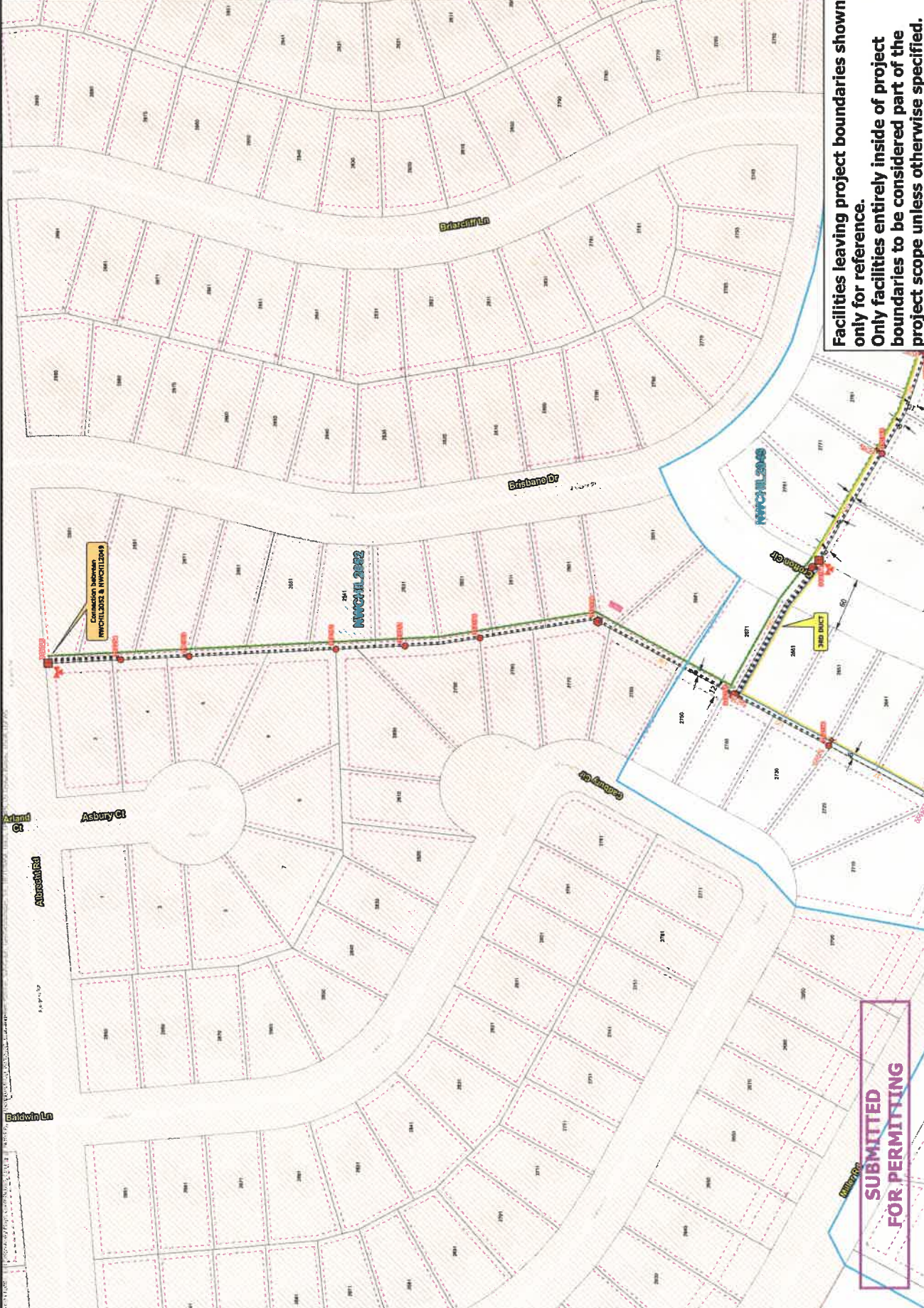
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/	724		No.	_____

PROPOSED FIBER INSTALLATION PLANS
FIBER INSTALLATION PLAN MAPS
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SECTOR: NWCHIL2049

F1

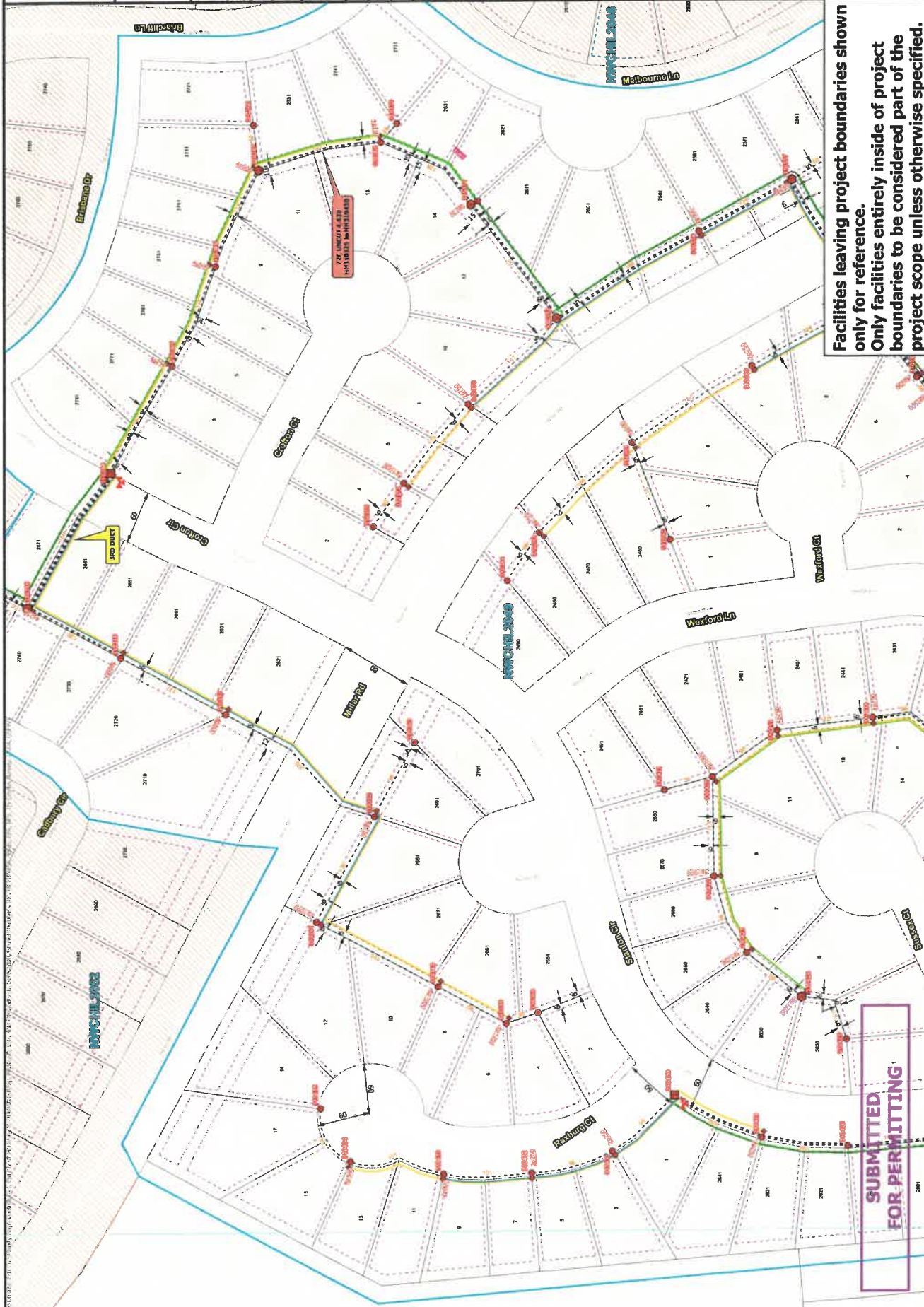
SHEET:



**Facilities leaving project boundaries shown only for reference.
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SUBMITTED FOR PERMITTING

REVISIONS
/ 7/4 No. _____
/ 7/4 No. _____
/ 7/4 No. _____
/ 7/4 No. _____
/ 7/4 No. _____



Facilities leaving project boundaries shown only for reference. Only facilities to be considered part of the project scope unless otherwise specified.

SUBMITTED FOR PERMITTING



Right-of-Way Permit Application

In accordance with the terms Municipal Code Ordinance 25.04 of the Village of Lake in the Hills, please provide the following information to request a permit to conduct excavation/installation within a Village right of way. Applications can be mailed or faxed to the following:

Village of Lake in the Hills—Public Works Department
9010 Haligus Road Lake in the Hills, IL 60156
847-960-7500 (Phone) 847-960-7501 (Fax)

Company/Homeowner Requesting Permit
(Name, Address & Phone) i3 Broadband - John Spets
602 High Point Lane. East Peoria, IL 61611
309-670-5217

Contractor Name, Address And Phone (if Other Than Requestor) Excel Utility
Roy Axon
Excel Utility
573-202-1619

Contractor License Number L001235-051023
(Ordinance 38.01 of the Municipal Code requires all contractors working within the Village to be licensed.)

Project Address Various throughout provided map.
Lot Number (if applicable) 1 Baronet Ct.

Project Description —Attach all applicable drawings and locations of proposed work
Fiber Optic Internet Intallation NWCHIL2045

Applicant is responsible to ensure all work is performed in compliance with Village Ordinances despite errors or omissions in plans or inspection by Village officials.

Signature of Applicant: John Spets Date: _____

A FINAL INSPECTION IS REQUIRED FOR EVERY PERMIT

For office use only	
Permit Granted by Public Works	_____ Yes _____ No
Reviewed & Approved by :	Date: _____
Permit Number:	Expires: _____
Conditions of Approval: This permit is issued pursuant to the following conditions. Failure to comply may result in suspension or revocation of this permit or other penalty.	

SEE SHEET 2 FOR
INDEX OF SHEETS,
GENERAL NOTES,
AND
COMMITMENTS

Project Description:
Residential fiber buildout

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County: McHenry
City: Lake in the Hills

List of Permitting Authorities:

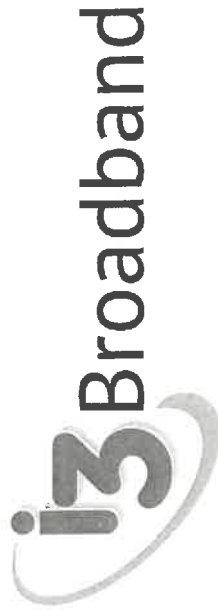
1. Village of Lake in the Hills
2. None
3. None
4. None
5. None
6. None

i3Broadband - Engineering Department
PHONE: (309) 670-0400 ext. 400
EMAIL: engineering@i3broadband.com

Project Designer: **Steven Berchtold**
Const. Manager: **Nemanja Stanojevic**
Market Manager: **Coty Keoprasa**

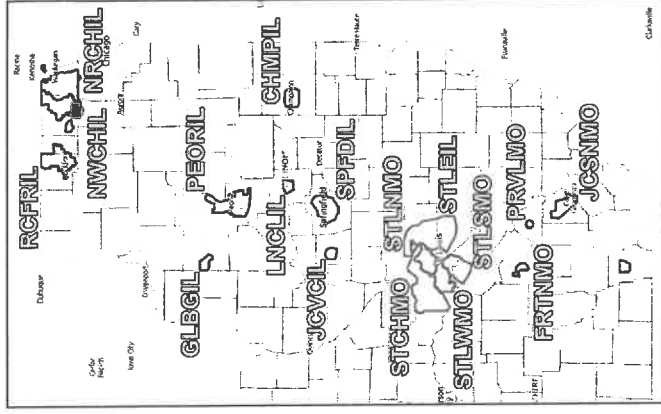
 FOR LOCATING SERVICES
CALL: (800) 892-0123 (IL)
(800) 344-7483 (MO)
or 811 (US)

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Time: 12:37 PM



PLANS FOR PROPOSED FIBER INSTALLATION

Market: NWCHIL
Chassis: NWCHILMXKC03
Sector: NWCHIL2045
Bore Footage: 11675
Passings: 234



**SUBMITTED
FOR PERMITTING**

PROJECT ENGINEER:	
Steven Berthold	
REVISIONS	
/	/24 No. _____
/	/24 No. _____
/	/24 No. _____
/	/24 No. _____
/	/24 No. _____

SPECIAL PERMITTING COMMITMENTS

Lake in the Hills
No specific requirements.

INDEX OF SHEETS

- CI Cover Sheet
- N1 Index, General Notes, and Commitments Sheet
- DT1 Typical Vault Details Sheet
- DT2 Typical Vault Installation Details Sheet
- LI Symbol Reference Legend Sheet
- POI Project Overview Map
- D1 - D3 Duct and Vault Installation Maps
- F1 - F3 Fiber Installation Maps

GENERAL PLAN NOTES

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**SUBMITTED
FOR PERMITTING**

RESERVED
 FOR SHEET
 NORTH ARROW
 AND SCALE

PROJECT ENGINEER:
 Steven Berchold

REVISIONS

/	/	24		No.
/	/	24		No.
/	/	24		No.
/	/	24		No.
/	/	24		No.

PROPOSED FIBER INSTALLATION PLANS

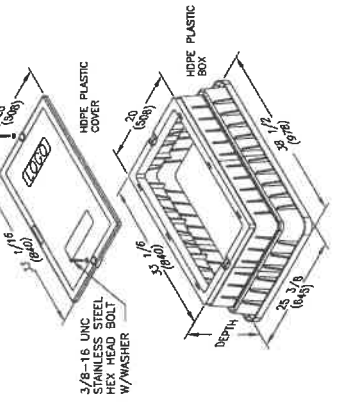
TYPICAL VAULT (HANDHOLE) DETAILS

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 Time: 12:44 PM

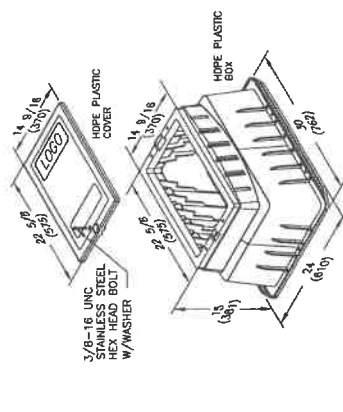
SECTOR: NWCHIL2045

SHEET: DT1

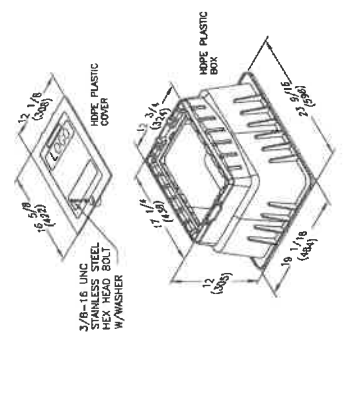
TYPICAL VAULT (HANDHOLE) DETAILS



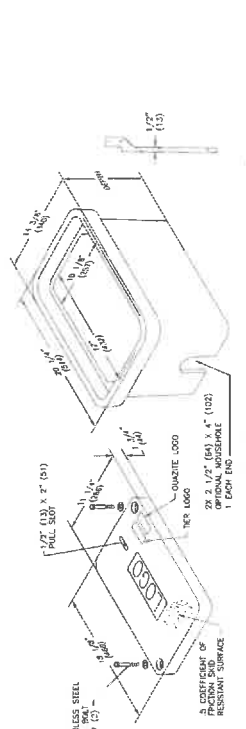
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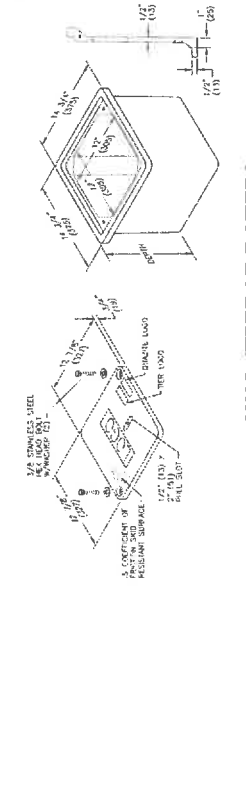
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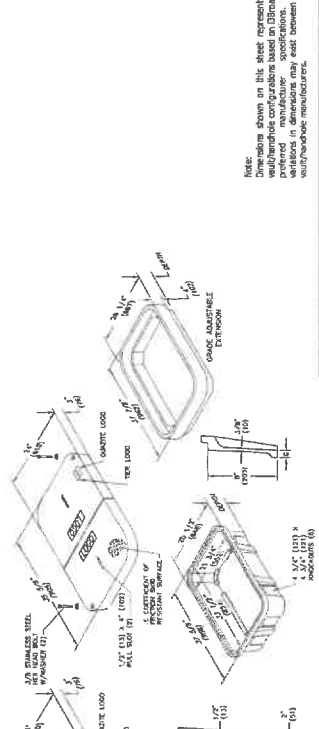
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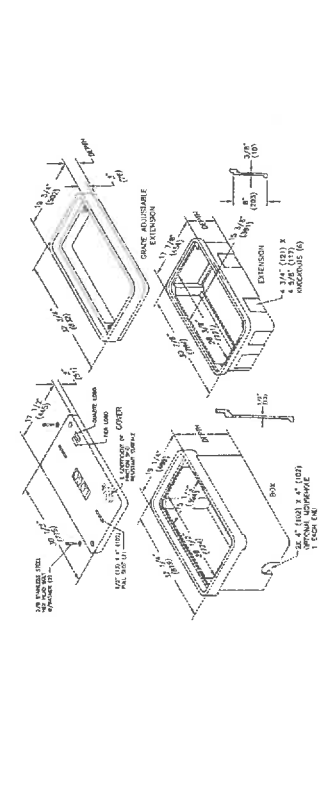
HH1 (TIER15 RATED) (QUAZITE 11x18 or Eq.)



HH0 (TIER15 RATED)



HH6 (TIER15 RATED) (QUAZITE 24x36 or Eq.)



HH3 (TIER15 RATED) (QUAZITE 17x30 or Eq.)

Note: Dimensions shown on this sheet represent typical manufacturer configurations based on i3 Broadband's requirements. Dimensions may vary between various manufacturers.

SUBMITTED FOR PERMITTING

HH6 (TIER15 RATED) (QUAZITE 24x36 or Eq.)

HH3 (TIER15 RATED) (QUAZITE 17x30 or Eq.)

SYMBOL REFERENCE LEGEND

CONSTRUCTION

- Duct/Conduit**
- Primary
 - Secondary
 - Third Order
 - Fourth Order
 - In Building
 - Use other values>
- Shelters**
- Shelters

- Cabinets**
- Cabinets
- Vault/Handholes**
- Pedestrian Rated**
- Unknown Size (Pedestrian)
 - HH 0 (12x12 or eq.)
 - HH 1 (PE-14 or eq.)
 - HH 2 (PE-20 or eq.)
 - HH 3 (PE-30 or eq.)
 - HH 4 (24x or eq.)
 - HH 5 (36x or eq.)
 - HH 6 (30x or eq.)
 - HH 7 (36x or eq.)
 - HH 8 (36x or eq.)
 - HH 9 (36x or eq.)
 - HH 10 (36x or eq.)
 - HH 11 (36x or eq.)
 - HH 12 (36x or eq.)
 - HH 13 (36x or eq.)
 - HH 14 (36x or eq.)
 - HH 15 (36x or eq.)
 - Unknown Type/Size (If Owned, See Notes)

- Tier 15 Rated**
- Unknown Size (Tier 15)
 - HH 0 (12x12 or eq.)
 - HH 1 (PE-14 or eq.)
 - HH 2 (PE-20 or eq.)
 - HH 3 (PE-30 or eq.)
 - HH 4 (24x or eq.)
 - HH 5 (36x or eq.)
 - HH 6 (30x or eq.)
 - HH 7 (36x or eq.)
 - HH 8 (36x or eq.)
 - HH 9 (36x or eq.)
 - HH 10 (36x or eq.)
 - HH 11 (36x or eq.)
 - HH 12 (36x or eq.)
 - HH 13 (36x or eq.)
 - HH 14 (36x or eq.)
 - HH 15 (36x or eq.)
 - Unknown Type/Size (If Owned, See Notes)

- Additional Cable Stack**
- Additional Cable Stack
- Taps**
- 2 Ports
 - 4 Ports
 - 6 Ports
 - 8 Ports
 - 12 Ports
- Mainline Cables**
- 11
 - 4
 - 6
 - 12
 - 24
 - 48
 - 69
 - 77
 - 96
 - 144
 - 216
 - 288
 - 432

- Building Terminations (OFDCs)**
- Building Terminations (OFDC)
- Cable Terminations**
- Cable Terminations
- Duct Terminations**
- Subbed Above Ground (Bkg. Termination)
 - Wall Box
 - Other/Unknown

INSTALLED

- Duct/Conduit**
- Primary
 - Secondary
 - Third Order
 - Fourth Order
 - In Building
 - Use other values>
- Shelters**
- Shelters

- Cabinets**
- Cabinets
- Vault/Handholes**
- Pedestrian Rated**
- Unknown Size (Pedestrian)
 - HH 0 (12x12 or eq.)
 - HH 1 (PE-14 or eq.)
 - HH 2 (PE-20 or eq.)
 - HH 3 (PE-30 or eq.)
 - HH 4 (24x or eq.)
 - HH 5 (36x or eq.)
 - HH 6 (30x or eq.)
 - HH 7 (36x or eq.)
 - HH 8 (36x or eq.)
 - HH 9 (36x or eq.)
 - HH 10 (36x or eq.)
 - HH 11 (36x or eq.)
 - HH 12 (36x or eq.)
 - HH 13 (36x or eq.)
 - HH 14 (36x or eq.)
 - HH 15 (36x or eq.)
 - Unknown Type/Size (If Owned, See Notes)

- Tier 15 Rated**
- Unknown Size (Tier 15)
 - HH 0 (12x12 or eq.)
 - HH 1 (PE-14 or eq.)
 - HH 2 (PE-20 or eq.)
 - HH 3 (PE-30 or eq.)
 - HH 4 (24x or eq.)
 - HH 5 (36x or eq.)
 - HH 6 (30x or eq.)
 - HH 7 (36x or eq.)
 - HH 8 (36x or eq.)
 - HH 9 (36x or eq.)
 - HH 10 (36x or eq.)
 - HH 11 (36x or eq.)
 - HH 12 (36x or eq.)
 - HH 13 (36x or eq.)
 - HH 14 (36x or eq.)
 - HH 15 (36x or eq.)
 - Unknown Type/Size (If Owned, See Notes)

- Additional Cable Stack**
- Additional Cable Stack
- Taps**
- 2 Ports
 - 4 Ports
 - 6 Ports
 - 8 Ports
 - 12 Ports
- Mainline Cables**
- 11
 - 4
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 - 12
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 - 216
 - 288
 - 432

- Building Terminations (OFDCs)**
- Building Terminations (OFDC)
- Cable Terminations**
- Cable Terminations
- Duct Terminations**
- Subbed Above Ground (Bkg. Termination)
 - Wall Box
 - Other/Unknown

MISC.

- Utility Easement**
- Utility Easement
- Parcels**
- Duct and Vault Installation Paths
 - Four Installation Paths

- Sector Boundaries**
- Cover & Index Map (Project)
 - Index Map (AM)
- Project Sector**
- Project Sector
- Non Project Sectors**
- Non Project Sectors

- Ditch Arrows**
- Ditch Arrows
- Drop Arrows (Rabbit)**
- Drop Arrows (Rabbit)
- Index Sheet Borders**
- Project Sheet Boundaries

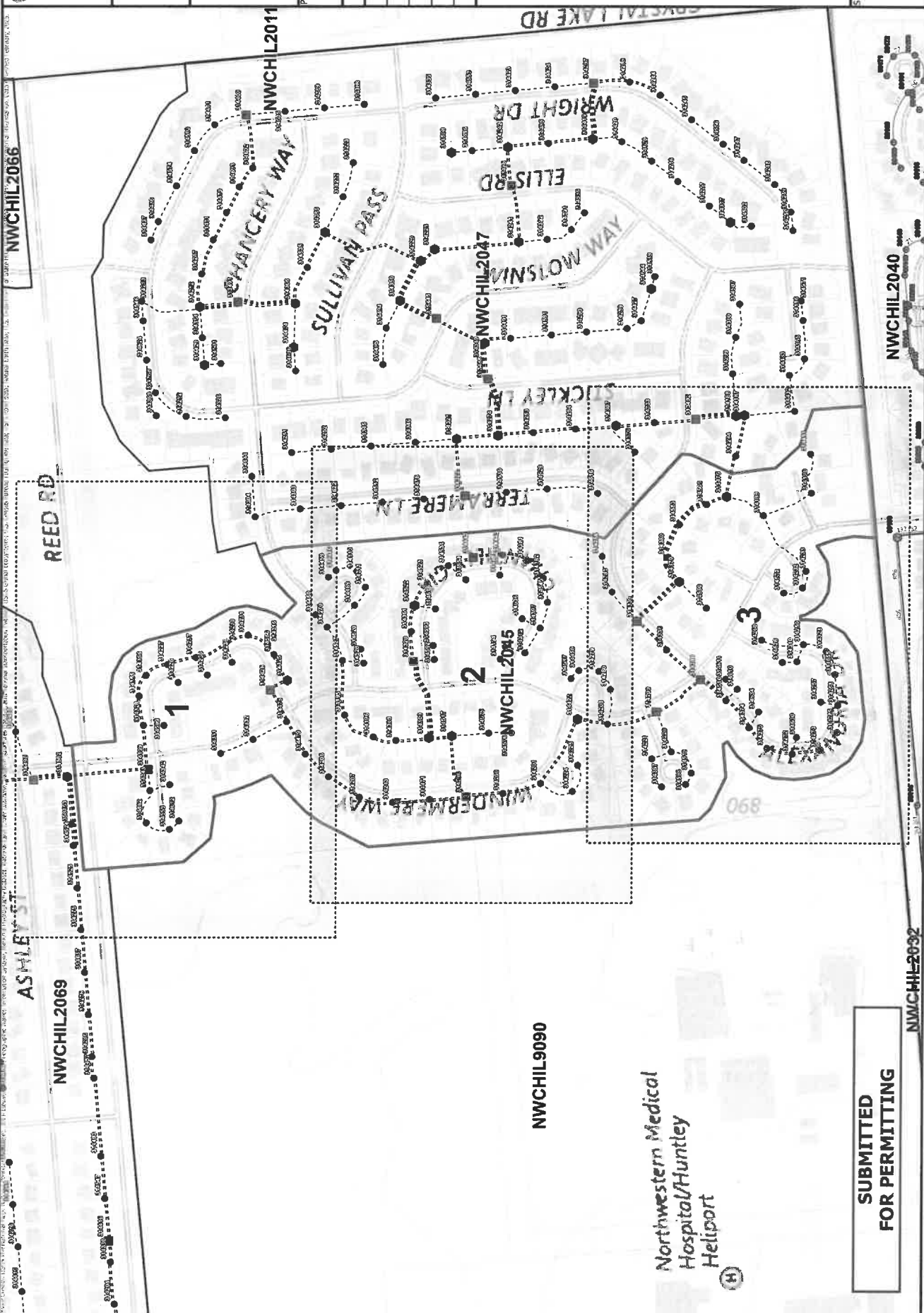
SUBMITTED FOR PERMITTING

PROJECT ENGINEER:
 Steven Berthold

REVISIONS

/	/24	No.
/	/24	No.
/	/24	No.
/	/24	No.

PROPOSED FIBER INSTALLATION PLANS
 PROJECT OVERVIEW (INDEX) MAP



**SUBMITTED
 FOR PERMITTING**

NWCCHIL-2032

REVISIONS	
/ 24	No.
/ 24	No.
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**Facilities leaving project boundaries shown only for reference.
 Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.**

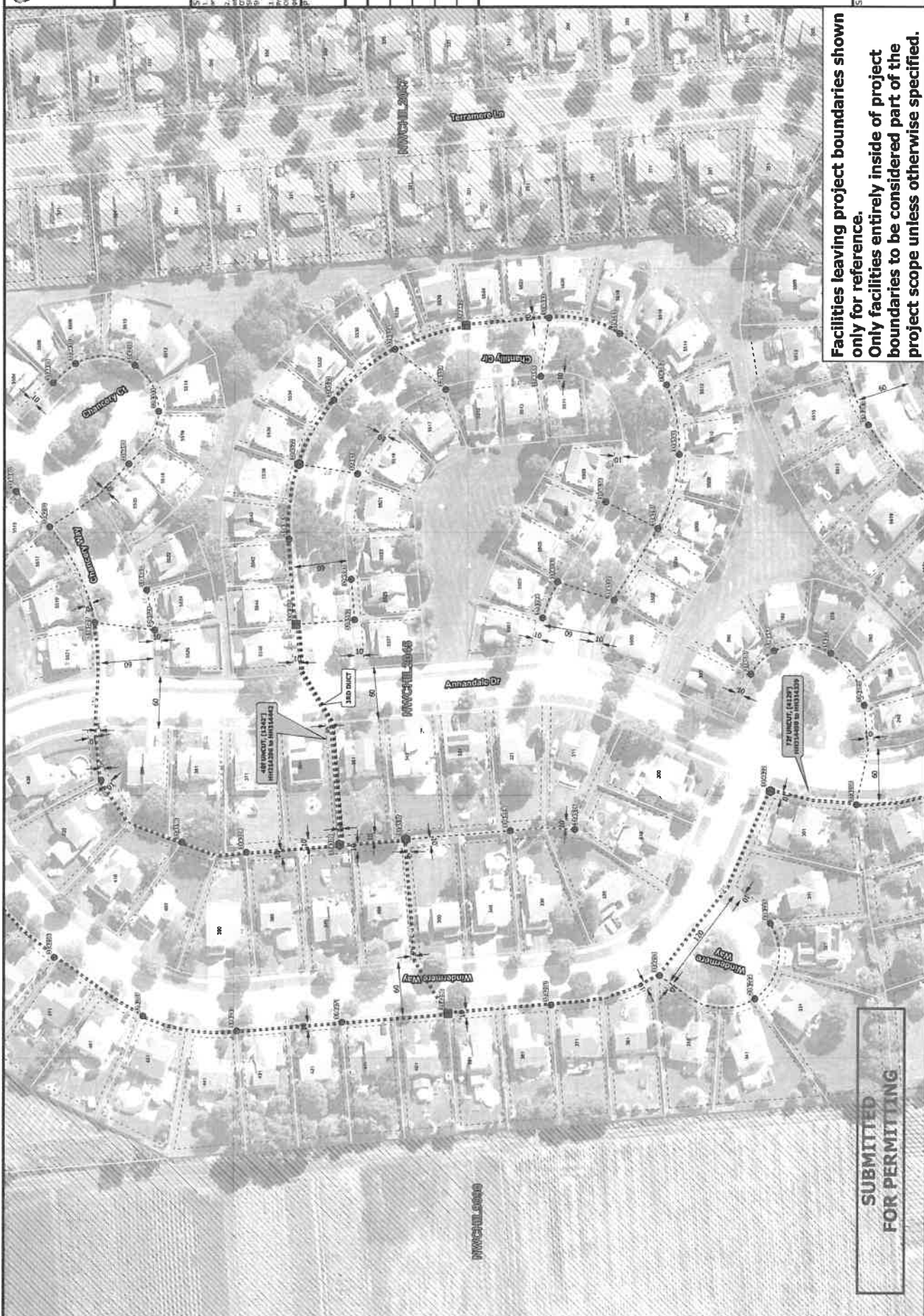
SUBMITTED FOR PERMITTING

REVISIONS	
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/ 24 No.	/ 24 No.

Time: 12:31 PM
 Printed: 4/10/2025

PROPOSED FIBER INSTALLATION PLANS
FIBER INSTALLATION PLAN MAPS
 SECTOR: NWCHIL2045

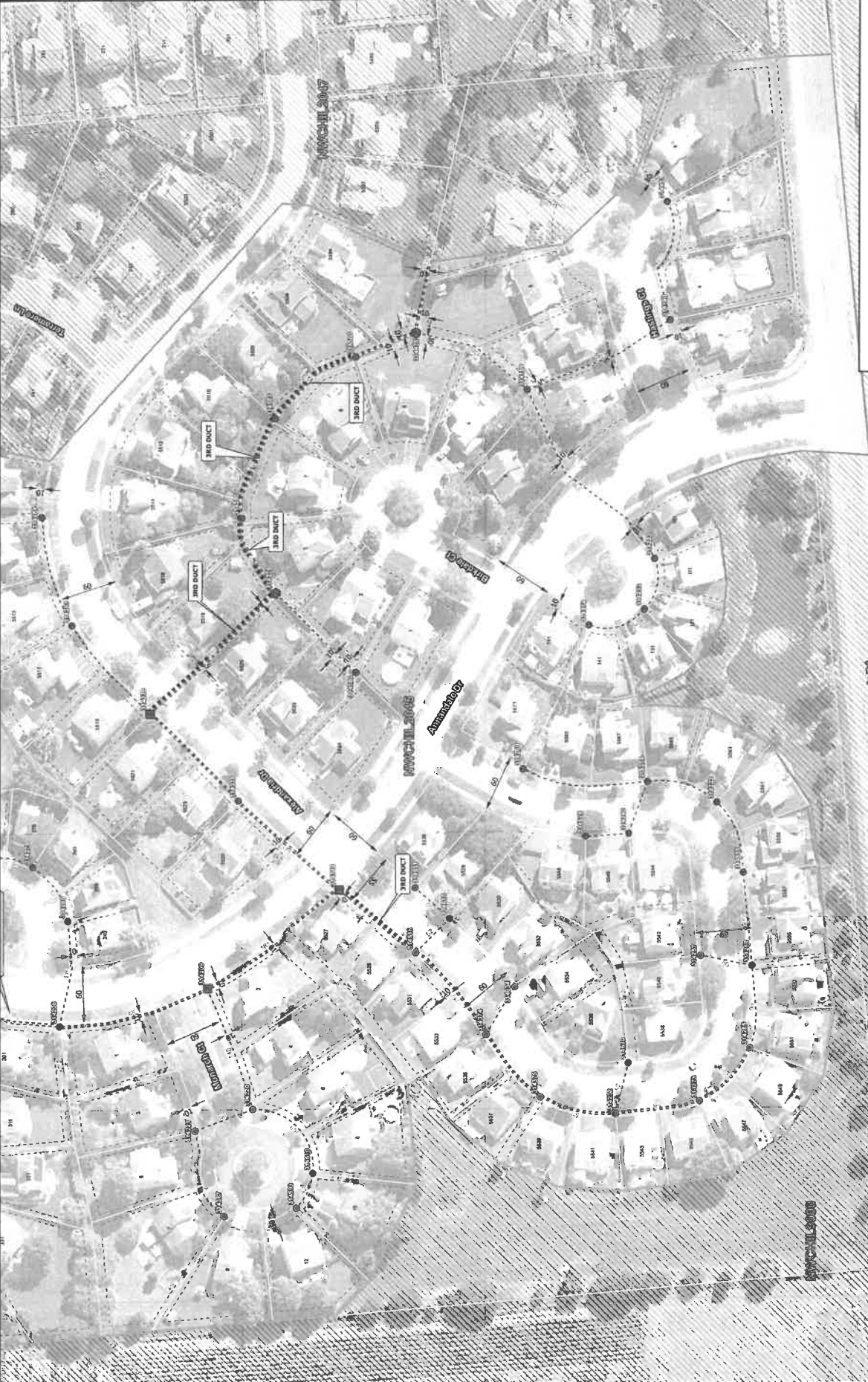
SHEET:
D2



Facilities leaving project boundaries shown only for reference. Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.

SUBMITTED FOR PERMITTING

REVISIONS	
/ 24	No.
/ 24	No.
/ 24	No.
/ 24	No.
/ 24	No.



**Facilities leaving project boundaries shown only for reference.
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SUBMITTED FOR PERMITTING



SHEET NOTES:
 1. Facilities shown are shown as fiber optic cable in conduit for a single fiber strand. Fiber shall be installed in the proposed conduit.
 2. Contractor shall field verify all dimensions prior to installing fiber cable.
 3. See Sheet N1 for installed fiber cable deck requirements.

PROJECT ENGINEER:
 Steven Berthold

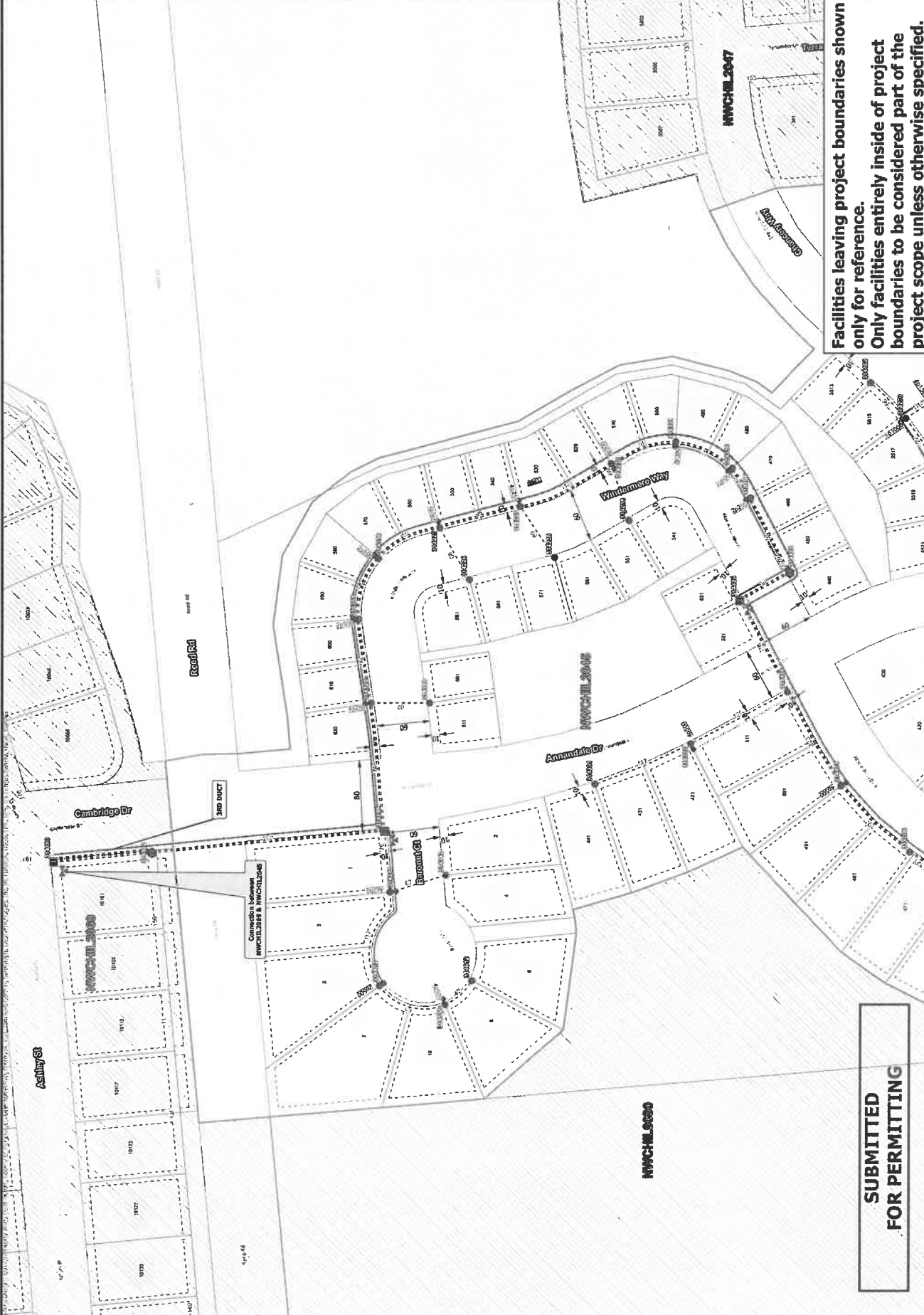
REVISIONS

/ 24	1 No.
/ 24	1 No.
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/ 24	1 No.
/ 24	1 No.

PROPOSED FIBER INSTALLATION PLANS
FIBER INSTALLATION PLAN MAPS
 Printed: 4/10/2025
 Time: 12:40 PM

SECTOR: NWCHIL2045

SHEET: **F1**



Facilities leaving project boundaries shown only for reference. Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.

SUBMITTED FOR PERMITTING



SCALE: 1 INCH = 50 FEET
DESIGN: UI
DATE: 4/10/2025

SHEET NOTES:
 1. Fiber cables and trays are shown as offset from proposed conduit for cartographic clarity. The offset for fiber shall be installed with proposed conduit.
 2. Conduits shall field verify all dimensions prior to installing fiber cable stock requirements.
 3. See sheet #1 for installer fiber cable stock requirements.

PROJECT ENGINEER:
 Steven Berchold

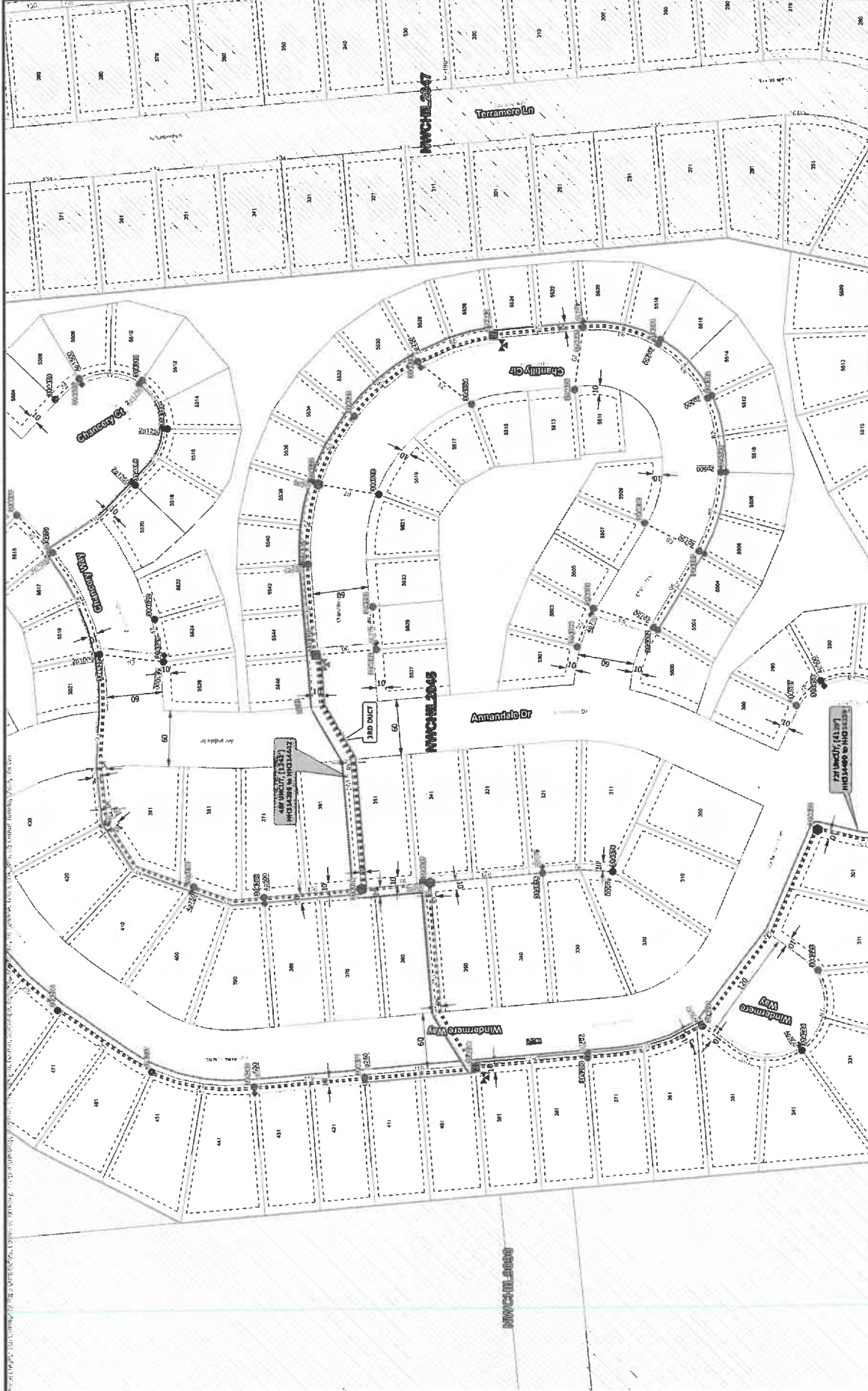
REVISIONS
/ 24 No. _____
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/ 24 No. _____
/ 24 No. _____

PROPOSED FIBER INSTALLATION PLANS
FIBER INSTALLATION PLAN MAPS

Time: 12:41 PM
 Printed: 4/10/2025

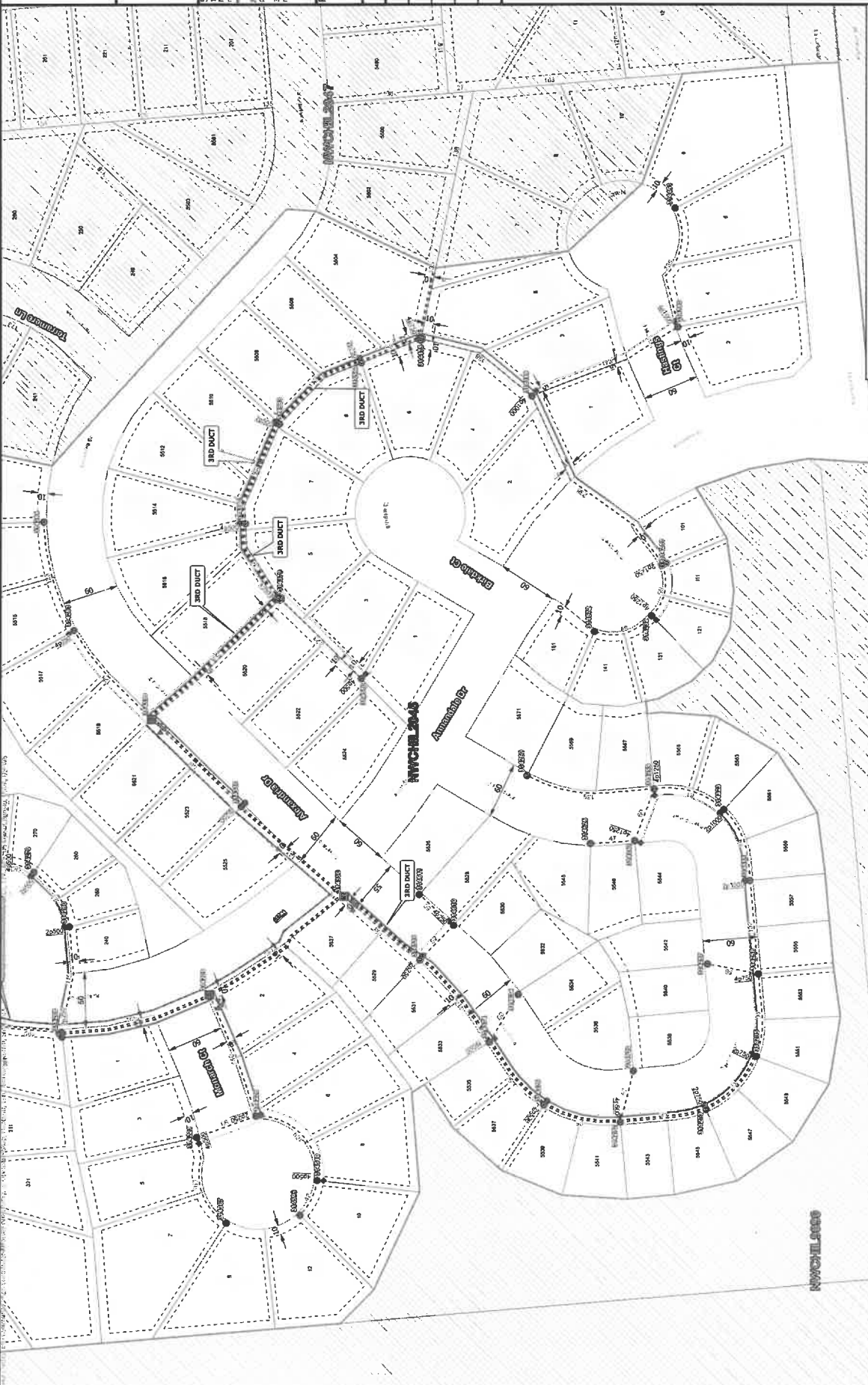
SECTOR: NWCHIL2045

SHEET:
F2



**Facilities leaving project boundaries shown only for reference.
 Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.**

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Facilities leaving project boundaries shown only for reference. Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.

SUBMITTED FOR PERMITTING

SEE SHEET 2 FOR
INDEX OF SHEETS,
GENERAL NOTES,
AND
COMMITMENTS

Project Description:
Residential fiber buildout


Geographic Information:

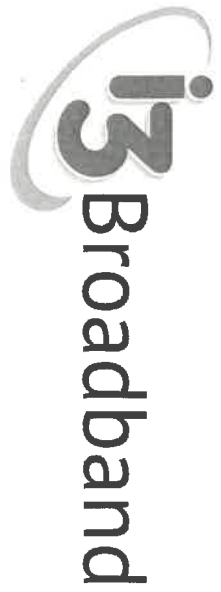
State: Illinois
County: McHenry
City: Lake in the Hills

List of Permitting Authorities:

- 1. Village of Lake in the Hills

i3Broadband - Engineering Department
PHONE: (309) 670-0400 ext. 400
EMAIL: engineering@i3broadband.com
Project Designer: **Steven Berchtold**
Const. Manager: **Nemanja Stanojevic**
Market Manager: **Coty Keoprasa**

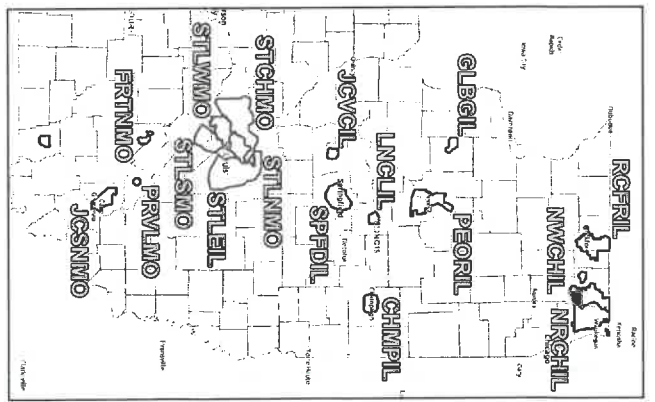
 **FOR LOCATING SERVICES**
CALL: (800) 892-0123 (IL)
(800) 344-7483 (MO)
OR 811 (US)
811
McHenry Edition
Call before you dig.



PLANS FOR PROPOSED FIBER INSTALLATION

Market: NWCHIL
Chassis: NWCHILMXKC06
Sector: NWCHIL2105
Bore Footage: 10118
Passings: 212

800
892 0123



Printed: 4/16/2025
Time: 3:46 PM

**SUBMITTED
FOR PERMITTING**

INDEX OF SHEETS

C1 Cover Sheet
 M1 Index, General Notes, and Commitments Sheet
 DT1 Typical Vault Details Sheet
 DT2 Typical Vault Installation Details Sheet
 L1 Symbol Reference Legend Sheet
 P01 Project Overview Map
 D1 - D4 Duct and Vault Installation Maps
 F1 - F4 Fiber Installation Maps

SPECIAL PERMITTING COMMITMENTS

Lake in the Hills
 No specific requirements.

GENERAL PLAN NOTES

1. These notes shall be applicable to all operations performed under this contract, except when they conflict with any SPECIAL PERMIT COMMITMENTS (SEE THIS SHEET). In such cases, the notes in that section shall supersede these notes.
2. All care should be taken to mitigate damage to existing utilities. OneCall shall be contacted before any boring or excavation.
3. Note that handholes drawn on the shared lot line can be adjusted to either side of the lot line as necessary, which is standard on 13Broadband prints. Handholes that are shifted to one side of a lot line need to be placed on that side of the lot line, generally to comply with an easement, or to avoid a driveway or large tree.
4. Construction change order requests shall be coordinated with the appropriate I3 Construction Department Representative and CLEARLY DOCUMENTED ON THESE PLANS AS RED-LINED AS-BUILT DRAWINGS.
5. Any damage to adjacent properties caused by construction operations within the work area shall be fully restored to their ORIGINAL CONDITION.
6. Dimensions (approximate, in feet) shown generally indicate total Right-of-Way width, or Utility Easement width relative to nearest lot line. Rights-of-Way and Utility Easements are not necessarily uniform (i.e. not split evenly a cross street centerline or property line). Contact I3 as needed for clarity.
7. SLACK NOTES:
 -All taps are to have 4' of slack at the head, 55' at the splice case, and no slack storage anywhere else.
 -Mainline cable to have 55' at all ends/cut points and 110' at all #3 or larger handholes where cable is uncut.
 -Any other abnormalities will be noted on prints.
 The CONTRACTOR shall be required to comply with all Federal, State, and Local laws/ordinances, in addition to all 13Broadband contract documents.
- 8.

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ABL



602 High Point Lane
 East Peoria, Illinois
 (309) 670-0400 ext. 400
 I3broadband.com

RESERVED FOR SHEET NORTH ARROW AND SCALE

PROJECT ENGINEER:

Steven Berthold

REVISIONS

1	/ 24	No. _____
1	/ 24	No. _____
1	/ 24	No. _____
1	/ 24	No. _____
1	/ 24	No. _____

PROPOSED FIBER INSTALLATION PLANS

INDEX, GENERAL NOTES, AND COMMITMENTS

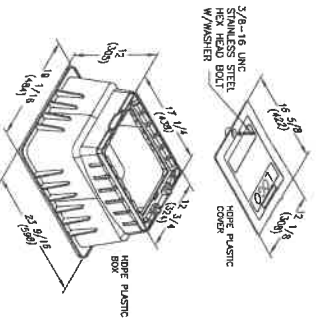
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 Time: 12:18 PM

SECTOR: NWCHIL2105

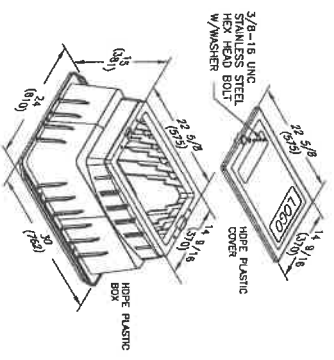
SHEET:

N1

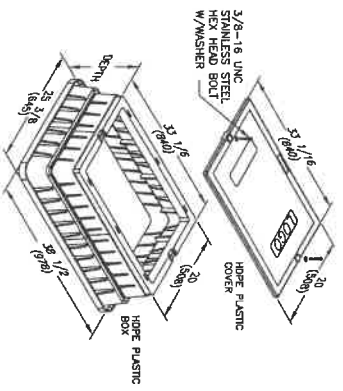
TYPICAL VAULT (HANDHOLE) DETAILS



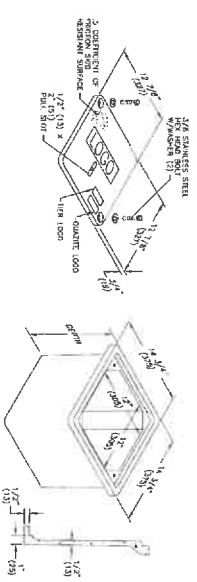
HH1 (PED RATED) (PE-14 or Eq.)



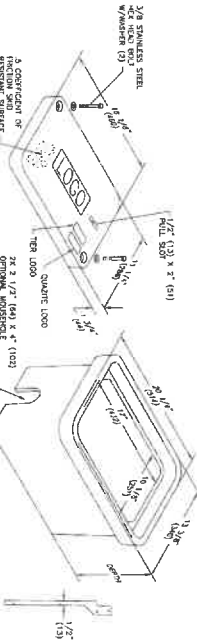
HH2 (PED RATED) (PE-20 or Eq.)



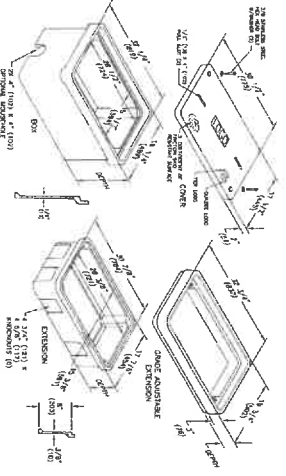
HH3 (PED RATED) (PE-30 or Eq.)



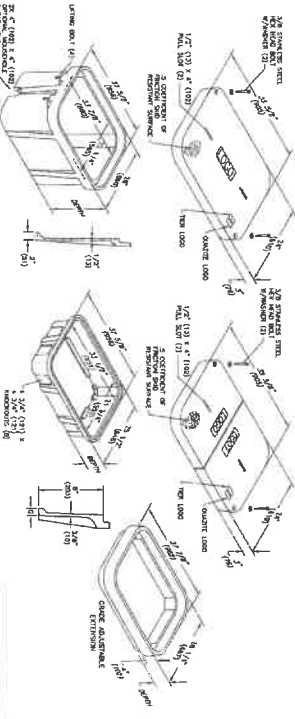
HH0 (TIER15 RATED)



HH1 (TIER15 RATED) (QUAZITE 11X18 or Eq.)



HH3 (TIER15 RATED) (QUAZITE 17X30 or Eq.)



HH6 (TIER15 RATED) (QUAZITE 24X36 or Eq.)

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Notes:
Dimensions shown on this sheet represent typical vault/box configurations based on Broadband's standard. Dimensions may differ between various vault/box manufacturers.

SHEET:	PROPOSED FIBER INSTALLATION PLANS	
	TYPICAL VAULT (HANDHOLE) DETAILS	
	SECTOR: NWCHIL2105	Printed: 4/16/2025 Time: 12:18 PM

DT1



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Broadband.com

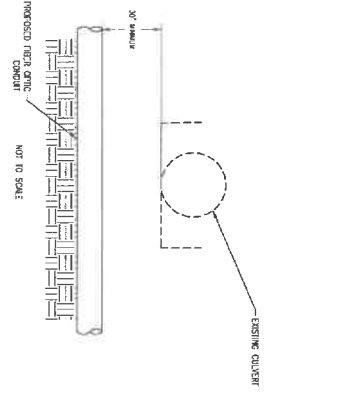
RESERVED FOR SHEET NORTH ARROW AND SCALE

PROJECT ENGINEER:
Seven Berthold

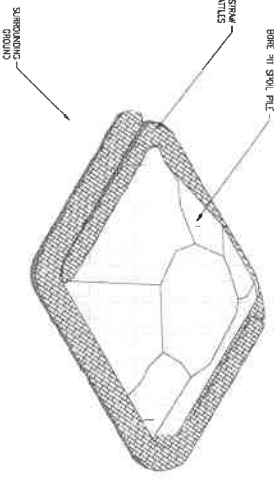
REVISIONS

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/ 24 No. _____



FIBER OPTIC CONDUIT AND CULVERT SEPARATION
 TYPICAL VERTICAL SEPARATION



NOT TO SCALE

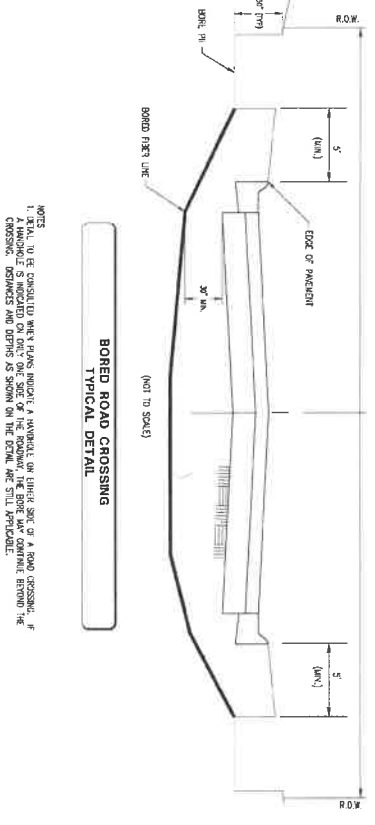
NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. FIBER ROLLS SHOULD BE INSPECTED AFTER EVERY SIGNIFICANT SPOW DOWN TO CLEAR AND DEPOSE OF SPOW IN AND SCENE.

SPECIFICATIONS:

WHITES SHALL BE A STAIN-FILLED TYPE OF LIGHT-WEIGHT MATERIAL. IT SHALL BE A LIQUENT PRODUCED TYPE OF COMPACTED ROZ STAIN-FILL CONCRETE READY FOR POURING BY A MANUFACTURER WHOSE NAME, ADDRESS & WHITE MANUFACTURER'S NAME SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL. THE WHITE SHALL HAVE A MINIMUM MASS PER UNIT VOLUME OF 145 LB/FT³. A MINIMUM DUCTILE OF 8.0 - 8.0 INCHES. A MINIMUM NET STAIN THICKNESS OF 600 INCHES. A MINIMUM NET FIBER THICKNESS OF 600 INCHES AND A MINIMUM FIBER CONTENT SHALL BE 100 PERCENT COVERED ROZ STAIN WITH A MINIMUM LENGTH OF 3.0

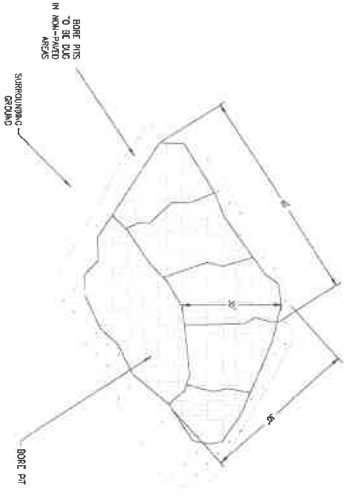
EROSION & SEDIMENT CONTROL
 BORE PIT SPOIL PILE



BORED ROAD CROSSING
 TYPICAL ROAD DETAIL

NOTES:

1. DETAIL TO BE CONSULTED WITH PLANS ENGINEER FOR VARIATIONS ON OTHER SIZE OF A ROAD CROSSING. IF CROSSING DISTANCES AND DEPTHS AS SHOWN ON THE DETAIL ARE STILL APPLICABLE.



NOT TO SCALE

NOTES:

1. BORE PITS TO BE RECORDED ON HARD PHOTOGRAPHED AND LARGER-SCALE PLANS.
2. EROSION AND SEDIMENT CONTROL FOR BORE PITS PER STANDARD DETAIL.
3. BORE PITS TO BE ONE IN NON-PAVED AREAS ONLY. DISTANCE FROM PAVEMENT PER CITY ENGINEER. NOT TO BE LESS THAN 3 FEET. NO CURB RAMPERS ARE TO BE DISAPPLIED.
4. IF BORE PITS IN PAVED AREAS ARE UNACCEPTABLE COMPARED TO COMPARE WITH EXISTING AND CITY ENGINEER'S RECOMMENDATIONS.
5. BORE PIT TO BE RECORDED NO MORE THAN 48 HOURS IN ADVANCE OF BORING OPERATIONS. BORE PIT SHALL BE IDENTIFIED WITHIN 48 HOURS OF COMPLETION OF BORING OPERATIONS AND INSTALLATION OF INVERTS.

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ADDITIONAL NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY ENGINEER'S SPECIFICATIONS.
2. ALL AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED TO ORIGINAL OR BETTER CONDITION.
3. RESTORATION OF LAWNS/GRASSY AREAS SHALL BE AS FOLLOWS:
 1. REMOVE GRASS & SOIL AND FERTILIZER PER BOY RENO AND BERGE CONSTRUCTION SPECIFICATIONS.
 2. SOIL BACKFILLING OF EXCAVATION. PROVIDE 1" TOPSOIL AT SURFACE.
 3. SOIL BACKFILL TO EXISTING FINISH OF EXCAVATION AREA TO BE RESTORED.
 4. SOIL BACKFILL TO EXISTING FINISH OF EXCAVATION AREA TO BE RESTORED.
5. ANY BLANKET DRAINAGE SHALL BE A MINIMUM OF 12" DEPTH AND 12" SPACING. THE APPROVAL SHALL BE OBTAINED FROM THE CITY ENGINEER. IF THIS IS UNACCEPTABLE, CONTACT THE ENGINEER WITHIN 14 DAYS. NOTIFY AND GET ON THE PAPER PLAN WITHIN 10 BUSINESS DAYS OF THE DATE OF THE CITY ENGINEER'S REVIEW. ADDITIONAL DETAILS WILL BE PROVIDED TO CITY BY UTILITY AND ENGINEER IN THESE INSTANCES.

SYMBOL REFERENCE LEGEND

CONSTRUCTION

Duct/Conduit

- Primary
- Secondary
- Third Order
- Fourth Order
- - - In Building

Shelters

- Shelters

Cabinets

- Cabinets

Vaults/Handholes

Pedestrian Rated

- Unknown Size (Pedestrian)
- HH 0 (12x12 or eq.)
- HH 1 (9x14 or eq.)
- HH 2 (9x20 or eq.)
- HH 3 (9x30 or eq.)
- HH 6 (24 x eq.)

Internal Traps

- 2 Pans
- 4 Pans
- 6 Pans
- 8 Pans
- 12 Pans

Additional Cable Stack

Additional Cable Stack

- HH 0 (12x12 or eq.)
- HH 1 (9x14 or eq.)
- HH 2 (9x20 or eq.)
- HH 3 (9x30 or eq.)
- HH 6 (24 x eq.)
- HH 12 (24 x eq.)
- HH 15 (24 x eq.)
- HH 16 (24 x eq.)
- Unknown/Other
- Unknown Type/Size (3 Demand, See Notes)

Building Terminations (OPFCS)

- Building Terminations (OPFCS)

Cable Terminations

- Cable Terminations

Duct Terminations

- Build Finish
- Standard Above Ground (Rdg., Termination)
- Wall Box
- Other/Unknown

INSTALLED

Duct/Conduit

- Primary
- Secondary
- Third Order
- Fourth Order
- - - In Building
- - - All other values

Shelters

- Shelters

Cabinets

- Cabinets

Vaults/Handholes

Pedestrian Rated

- Unknown Size (Pedestrian)
- HH 0 (12x12 or eq.)
- HH 1 (9x14 or eq.)
- HH 2 (9x20 or eq.)
- HH 3 (9x30 or eq.)
- HH 6 (24 x eq.)

Internal Traps

- 2 Pans
- 4 Pans
- 6 Pans
- 8 Pans
- 12 Pans

Additional Cable Stack

- HH 0 (12x12 or eq.)
- HH 1 (9x14 or eq.)
- HH 2 (9x20 or eq.)
- HH 3 (9x30 or eq.)
- HH 6 (24 x eq.)
- HH 12 (24 x eq.)
- HH 15 (24 x eq.)
- HH 16 (24 x eq.)
- Unknown/Other
- Unknown Type/Size (3 Demand, See Notes)

Building Terminations (OPFCS)

- Building Terminations (OPFCS)

Cable Terminations

- Cable Terminations

Duct Terminations

- Build Finish
- Standard Above Ground (Rdg., Termination)
- Wall Box
- Other/Unknown

MISC.

Utility Easement

- Utility Easement
- Parcel
- Duct and Vault Installation Maps
- Fiber Installation Maps

Sector Boundaries

- Sector Boundaries
- Center Line Map (Project)
- Index Map (AD)

Drop Arrows

- Drop Arrow (Pole)

Index Sheet Borders

- Index Sheet Borders
- Project Sheet Borders

SUBMITTED
FOR PERMITTING

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602 High Point Lane
East Peoria, Illinois
(309) 670-0400 ext. 400
i3broadband.com

RESERVED
FOR SHEET
NORTH ARROW
AND SCALE

PROJECT ENGINEER:
Steven Berchard

REVISIONS

/	1/24	No.	
/	1/24	No.	
/	1/24	No.	
/	1/24	No.	

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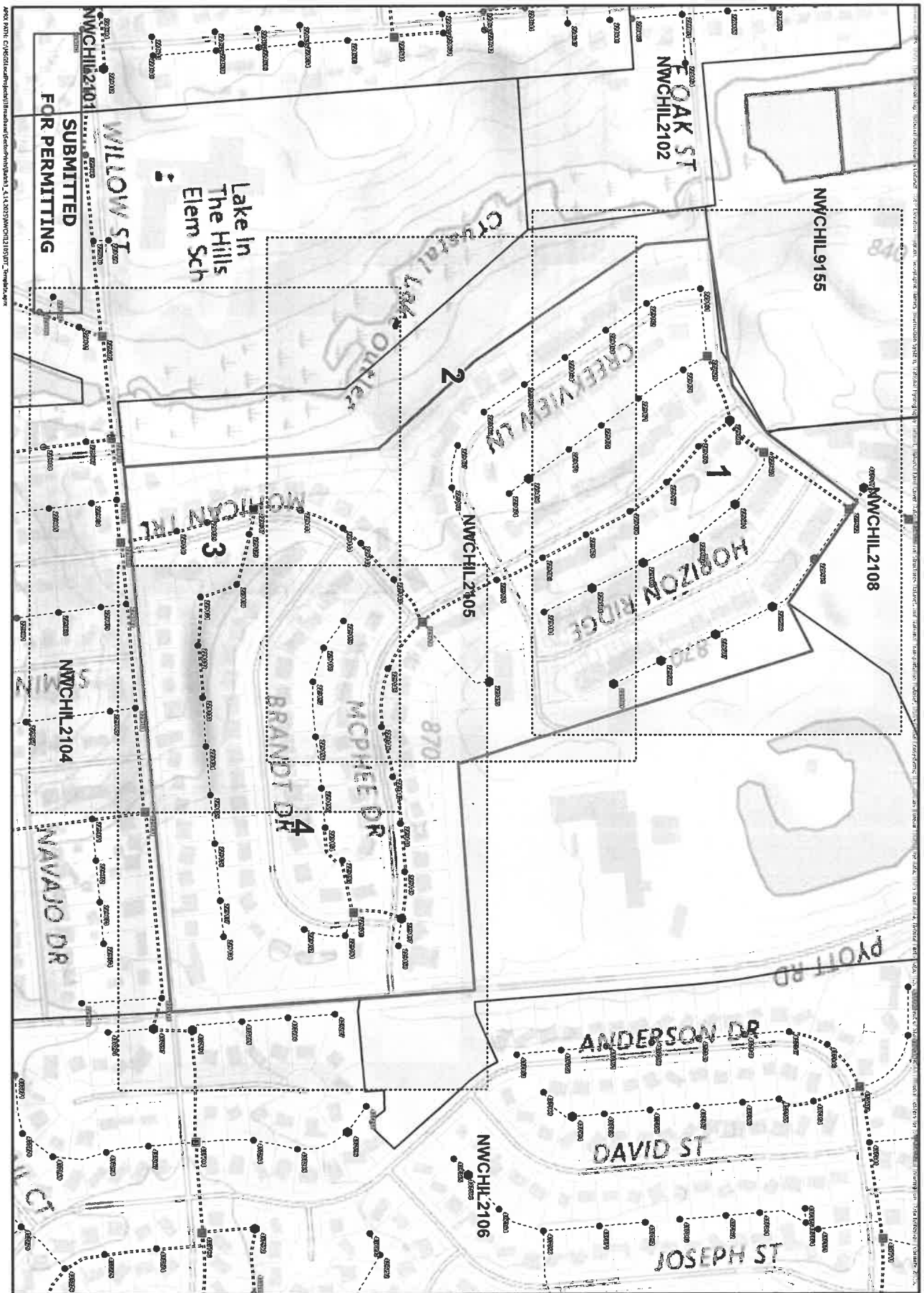
PROPOSED FIBER INSTALLATION PLANS

SYMBOL REFERENCE LEGEND

SECTOR: NWCHIL2105

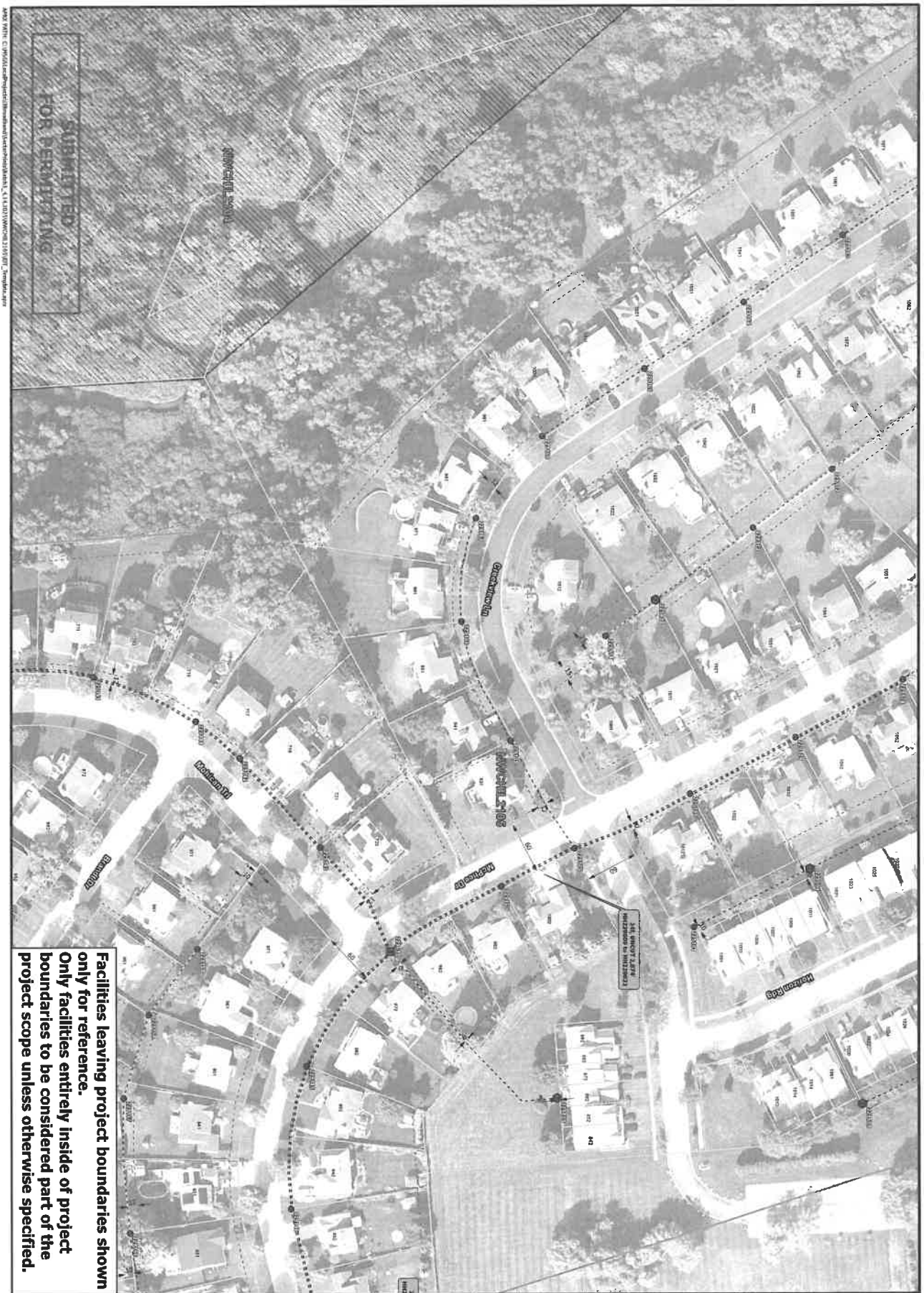
SHEET:

11



SHEET: PO1	PROPOSED FIBER INSTALLATION PLANS	
	PROJECT OVERVIEW (INDEX) MAP	
SECTOR: NWCHIL2105	Printed: 4/16/2025 Time: 3:47 PM	
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/ 24 / No.	/ 24 / No.	/ 24 / No.
/ 24 / No.	/ 24 / No.	/ 24 / No.
PROJECT ENGINEER: Steven Berchold		
REVISIONS		
602 High Point Lane East Peoria, Illinois (309) 670-0400 ext. 400 I3broadband.com		

APPX 100% CIVIL 2025 4/16/2025 3:47 PM NWCHIL2105.DWG



Facilities leaving project boundaries shown only for reference. Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.

D2	PROPOSED FIBER INSTALLATION PLANS		Printed: 4/16/2025 Time: 3:49 PM
	FIBER INSTALLATION PLAN MAPS		
SECTOR: NWCHIL2105			

PROJECT ENGINEER:
Steven Berchold

REVISIONS

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SCALE: 1 INCH = 50 FEET

SEE SHEET 2105-1 FOR MESSAGES TO NEIGHBORS

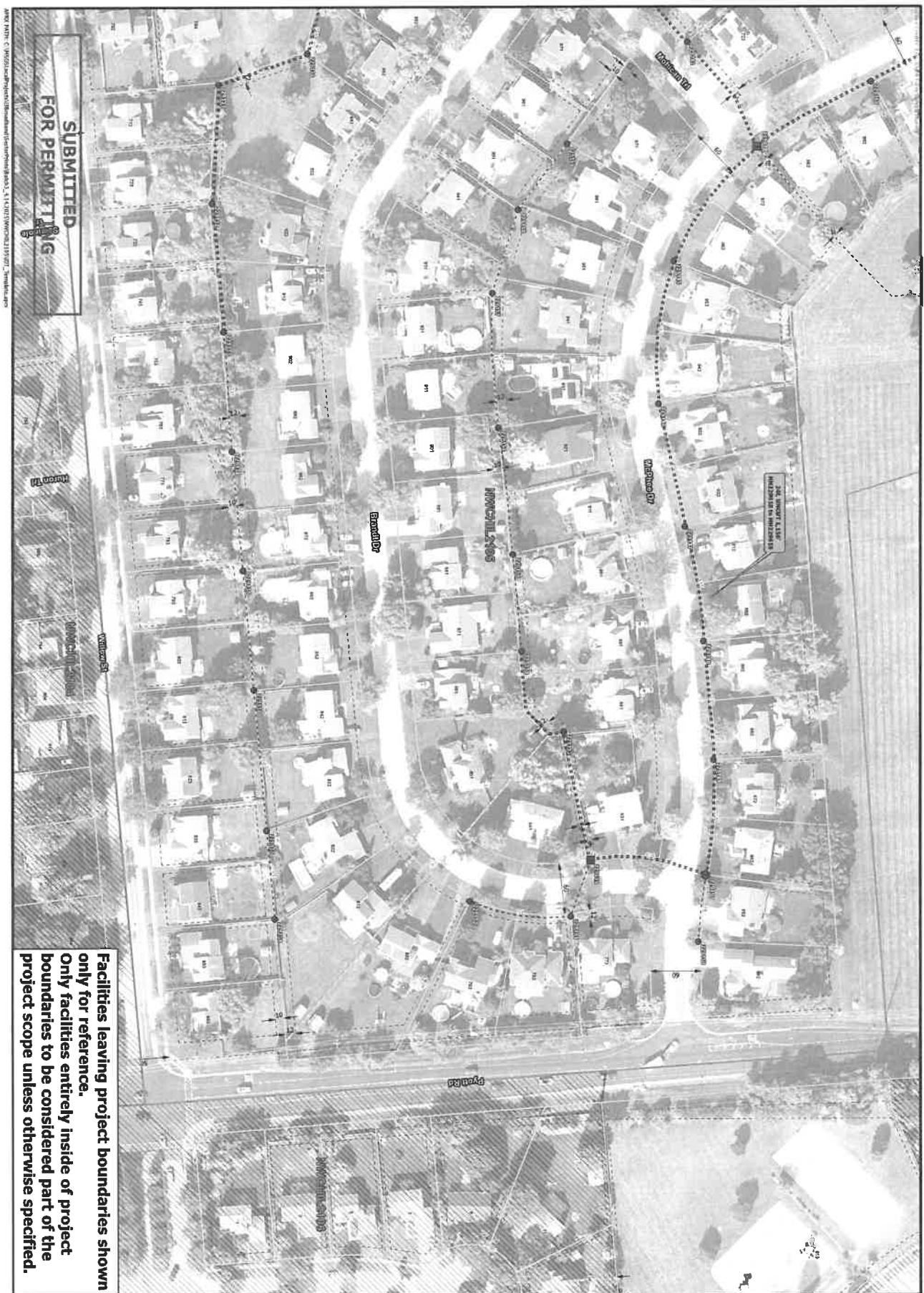
1. See sheet DT2 for typical road crossing and how it details.

2. Method of conduit installation shall be determined by the contractor, unless specified PERMITTING COMMITMENTS (see sheet M1).

3. Additional conduit locations (other than those shown) shall be determined by the contractor, unless otherwise specified in the permit drawings as the Primary Plan.

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East Peoria, Illinois
(309) 670-0400 ext. 400
i3broadband.com

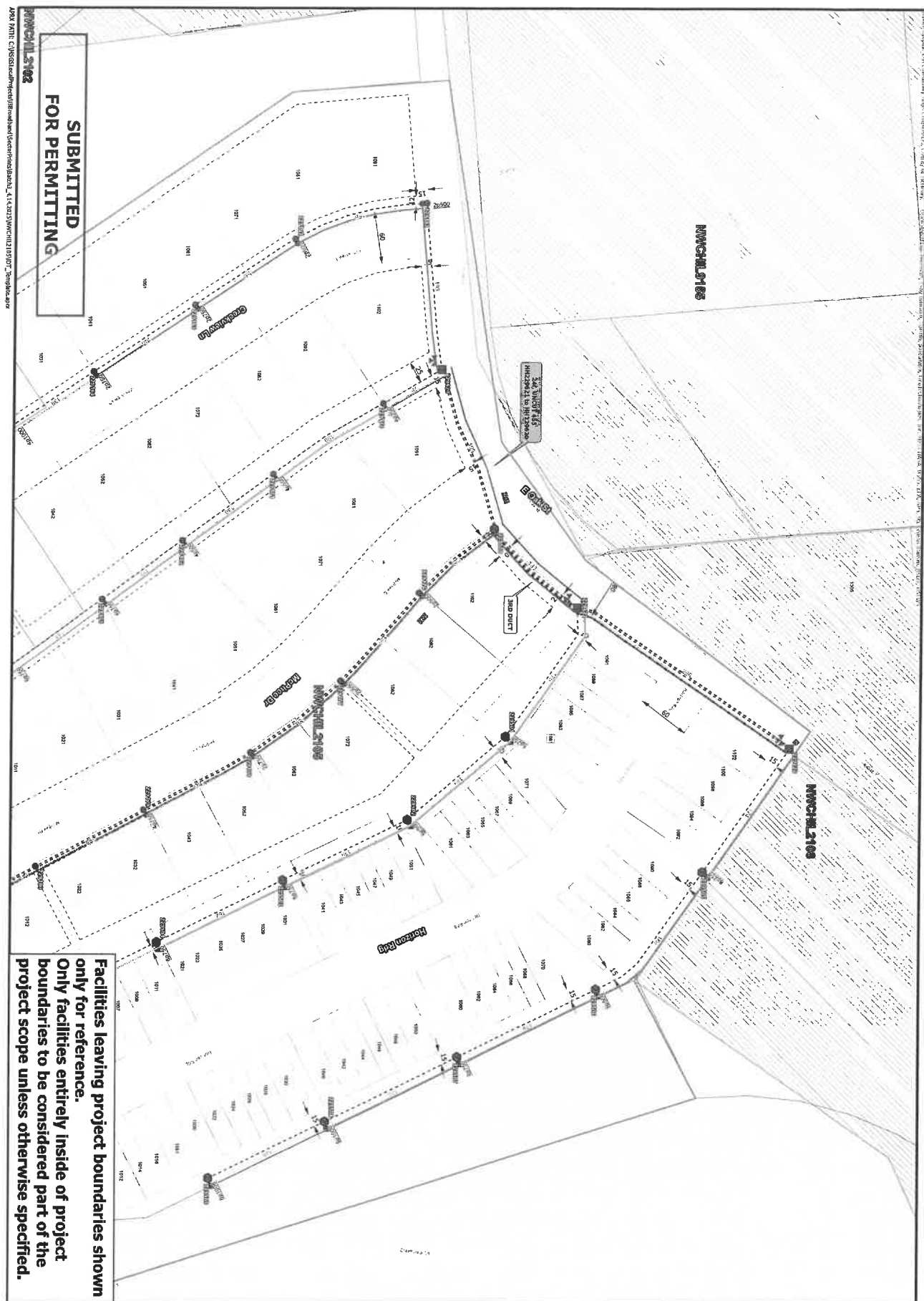
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Facilities leaving project boundaries shown only for reference. Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.

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<p>602 High Point Lane East Perris, Illinois (309) 670-0400 ext. 400 i3broadband.com</p>	<p>PROPOSED FIBER INSTALLATION PLANS</p> <p>FIBER INSTALLATION PLAN MAPS</p>		<p>Printed: 4/16/2025 Time: 3:51 PM</p>															
	<p>SECTOR: NWCHIL2105</p>																	
<p>SHEET: D4</p>		<p>REVISIONS</p> <table border="1"> <tr> <td>1 / 24</td> <td>1 No.</td> <td>_____</td> </tr> <tr> <td>1 / 24</td> <td>1 No.</td> <td>_____</td> </tr> <tr> <td>1 / 24</td> <td>1 No.</td> <td>_____</td> </tr> <tr> <td>1 / 24</td> <td>1 No.</td> <td>_____</td> </tr> <tr> <td>1 / 24</td> <td>1 No.</td> <td>_____</td> </tr> </table>		1 / 24	1 No.	_____	1 / 24	1 No.	_____	1 / 24	1 No.	_____	1 / 24	1 No.	_____	1 / 24	1 No.	_____
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1 / 24	1 No.	_____																
<p>PROJECT ENGINEER: Steven Berchfield</p>		<p>SCALE: 1 INCH = 50 FEET PLOT: 100% CONSTRUCTION / ALTERNATE COLOR</p> <p>SHEET NO: 125 PROJECT NO: 125 1. Check for errors and correct them before plotting. 2. Check for errors and correct them before plotting. 3. Check for errors and correct them before plotting. 4. Check for errors and correct them before plotting. 5. Check for errors and correct them before plotting. 6. Check for errors and correct them before plotting. 7. Check for errors and correct them before plotting. 8. Check for errors and correct them before plotting. 9. Check for errors and correct them before plotting. 10. Check for errors and correct them before plotting.</p>																




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F1	PROPOSED FIBER INSTALLATION PLANS		Printed: 4/16/2025 Time: 3:32 PM
	FIBER INSTALLATION PLAN MAPS		
SECTOR: NWCHIL2105			



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Folsom, CA 95630
(309) 524-0000
ibroadband.com



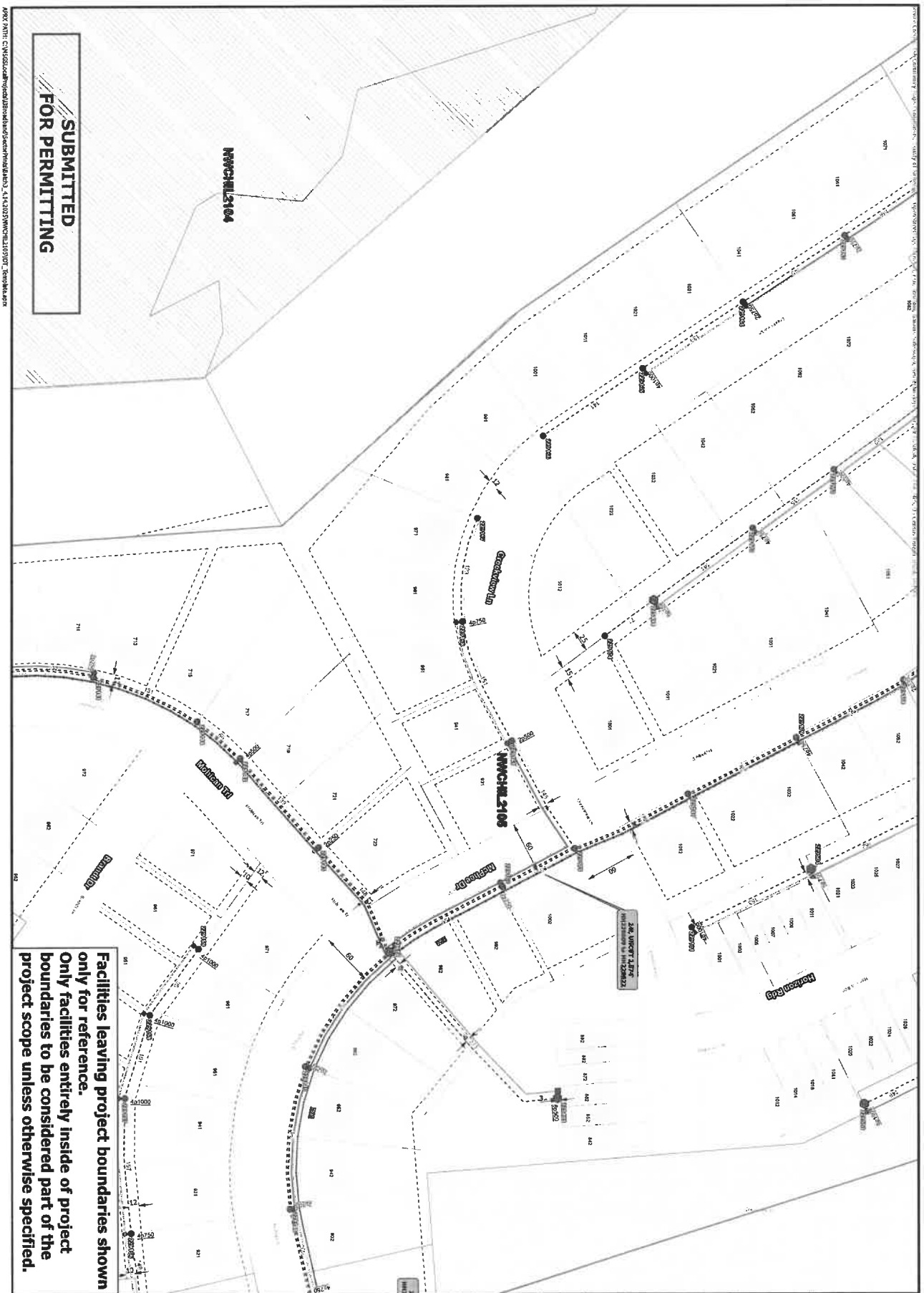
SCALE: 1" = 30' FEET

PROJECT ENGINEER:
Steven Berthold

REVISIONS

/	/ 24	/ No.	/	/ 24	/ No.
/	/ 24	/ No.	/	/ 24	/ No.
/	/ 24	/ No.	/	/ 24	/ No.

SHEET NOTES:
1. Facilities shown on this plan are shown as either proposed or existing. Facilities shown as existing are shown as they are shown on the current record drawings. Facilities shown as proposed are shown as they are shown on the current record drawings. Facilities shown as existing are shown as they are shown on the current record drawings. Facilities shown as proposed are shown as they are shown on the current record drawings.



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Facilities leaving project boundaries shown only for reference. Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.

F2	PROPOSED FIBER INSTALLATION PLANS	Printed: 4/16/2025 Time: 3:33 PM	 0 20 40 60 80 100 FEET SCALE: 1"=40' = 50 FEET PLS. USE Continental Institute Code
	FIBER INSTALLATION PLAN MAPS		
SECTOR: NWCHIL2105	PROJECT ENGINEER: Steven Berthold		SHEET NOTES: 1. Facilities shown are shown as they exist. Proposed facilities are shown as they are proposed. Consult for copyright/permissions. Only facilities shown as they exist are to be considered part of the project scope unless otherwise specified. 2. Facilities shown as they exist are shown as they exist. 3. See Sheet N1 for installed fiber cable details.
	REVISIONS / 24 / No. _____ / 24 / No. _____ / 24 / No. _____ / 24 / No. _____		
	/ 24 / No. _____		

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 East Peoria, Illinois
 (309) 670-0400 ext. 400
 i3broadband.com

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Facilities leaving project boundaries shown only for reference.
Only facilities entirely inside of project boundaries to be considered part of the project scope unless otherwise specified.

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F3	PROPOSED FIBER INSTALLATION PLANS	SHEET									
	FIBER INSTALLATION PLAN MAPS	Printed: 4/16/2025 Time: 3:34 PM	SECTOR: NWCHIL2105								
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/ 24 / No. _____											
<p>PROJECT ENGINEER: Steven Berchold</p>											
<p>NOTES: 1. SEE SHEET U FOR INSTALLATION AND/OR CONSTRUCTION REQUIREMENTS. 2. CONTRACTOR SHALL HOLD ALL APPROVED PERMITS TO INSTALLATION AND/OR CONSTRUCTION. 3. CONTRACTOR SHALL HOLD ALL APPROVED PERMITS TO INSTALLATION AND/OR CONSTRUCTION.</p>											
<p>SCALE: 1" = 30' HORIZONTAL, 1" = 15' VERTICAL</p>											
<p>i3 Broadband 602 High Point Lane East Peoria, Illinois (309) 670-0400 ext. 400 ibroadband.com</p>											

