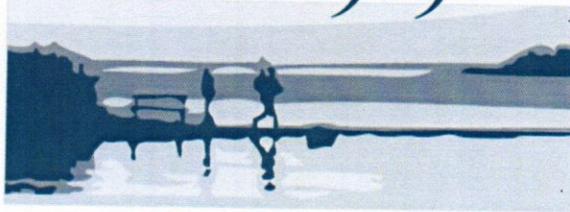


Chairman Peggy Clayton  
20356 Wendigo Park Road  
Grand Rapids, MN 55744  
Phone 218-326-1551

Supervisor Dennis Kortekaas 326-1882  
Supervisor Mike Schack 340-8852  
Supervisor Ken Haubrich 327-1351  
Supervisor Jim Kelley 327-0317  
Treasurer Becky Adams 259-1192  
Clerk Cari Ann Alleman 244-5070  
Deputy Clerk Kati Pierce 256-7411  
[harristownshipclerk@gmail.com](mailto:harristownshipclerk@gmail.com)

# Harris Township

SINCE 1909



NEIGHBORS, SHORES & MORE

## Mission Statement:

The Harris Town Board strives to enhance the quality of life, protect the environment, and maintain economic stability for the residents of their community.

[www.harristownshipmn.org](http://www.harristownshipmn.org)

## REGULAR MEETING June 13, 2018 at 7:30pm AGENDA

1. **Pledge to the flag**, followed by the reading of the township mission statement
2. **Approve the Minutes** of the Regular Meeting May 9.
3. **Additions and Corrections-**
4. **Business from the floor-** Please come up to the podium and state your name and address for the record
  - Tom Ryan
  - Paul Bunyan/Steve Howard
5. **Consent Agenda**
5. **Roads**
  - Bargaen quote
7. **Recreation**
8. **Correspondence**
  - Election Judge training- Monday June 25<sup>th</sup> 10am-noon, Boardroom at the courthouse
9. **Old Business**
  - Tennis Courts/backboard updates
  - Cemetery Policy
  - Update on Mowing parks and cemetery
  - Township land
  - Fireworks on Pokegama/City of Grand Rapids
  - Cleaning office
10. **New Business**
  - Newsletter
  - Resolution for appointed clerk and treasurer
  - Schedule work session Casper landing property
  - Schedule "Coffee with Commissioners"
  - Century Link line extension
  - Firewise
11. **Treasurer's Report** – dated June 13, May financials, 2018
12. **Approve payment of bills for the month**

**13. Public Input** (*please limit comments to 5 minutes*) please come up to the podium and state your name and address for the record

**14. UPCOMING Events / Meetings**

Wed. June 27 Planning and Development meeting..... 7:30 pm Harris Town Hall  
Wed. July 11 Regular Meeting..... 7:30pm Harris Town Hall  
Mon. June 11 Itasca County Township Association.....7:00 pm Blandin Foundation  
Mon. July 9 Itasca County Township Association.....7:00 pm Blandin Foundation

**15. Adjourn**

**REGULAR MEETING**  
**May 9, 2018 at 7:30pm**  
**Minutes**

In Attendance: Peggy Clayton, Ken Haubrich, Jim Kelley, Mike Schack, Clerk Cari Alleman, Treasurer Becky Adams, Absent Dennis Kortekaas

1. **Pledge to the flag**, followed by the reading of the township mission statement
2. **Approve the Minutes** of the Regular Meeting April 11, April 11 work session, May 3 Appeal and Equalization. Motion to approve the minutes made by Haubrich seconded by Schack passed by all. Amend the motion; Minutes from the Appeal and Equalization meeting, change Herold Thompsons valuation from 309 to 319 feet of meandering lake shore and take out the "shown on his tax statement" made by Haubrich seconded by Schack passed by all.
3. **Additions and Corrections-** Roads: Road Clean up, weekly road inspections; Old Business: Express employment contract, Volunteer newsletter contract, Northland Portables Contract for 2018-2019, Busy Bees floor cleaning; New business: utility permit, works session on township land sales discussions, election judge training June 25 10-12 boardroom of the courthouse. Spraying weeds at cemetery. Motion to approve the additions and corrections made by Kelley seconded by Schack passed by all.
4. **Business from the floor-** Please come up to the podium and state your name and address for the record
5. **Consent Agenda**
6. **Roads**
  - Road Inspections set for May 16<sup>th</sup> and flow over day 17<sup>th</sup> at 6:30 pm Supervisors will meet at the Town hall.
  - Spraying for weeds at the Cemetery, do they have to be licensed to apply it, they do not have to be if it is not a restricted use pesticide, and if they are using it on our property.
  - Road Clean up set up for May 10<sup>th</sup> at 4:30 pm at the Harris Town Cemetery
  - Weekly road inspection- Kelley driving gravel roads again, Casper Construction will start grading again.
7. **Recreation**
8. **Correspondence**
  - Letter to the bidders of mowing contract, motion to send the letters to those who did not win the contract made by Schack seconded by Haubrich passed by all.
9. **Old Business**
  - Town Hall Policy- motion to approve the additions to the town hall policy made by Kelley Haubrich passed by all.
  - Cemetery Policy- motion to approve the additions to the Cemetery policy made by Kelley Schack passed by all.
  - Accept Mow-Daddy's Bid- motion to approve the mowing contract for \$12,150- cemetery in the amount of \$5,760 for the months of May, June, July, August; Wendigo and Crystal parks in the amount of \$6,390 for the same 4 months made by Schack seconded by Kelley passed by all.
  - Casper Construction- Motion to approve the contract services for Casper Construction made by Schack seconded by Kelley passed by all.

- Volunteer Newsletter Contract- we received a contract back from Judy Myers motion to approve the contract made by Schack seconded by Haubrich passed by all.
- Northland Portables Contract for 2018-2019- motion to approve signing of the contract with Northland Portable made by Kelley seconded by Schack passed by all.
- Busy Bees Floor Cleaning- strip and wax services \$730 + tax, if they have to remove larger items they would charge extra, that is for the meeting space only. The board would like a price to replace the floor. We can talk to one person to see who much it would cost, Motion to table until the P & D meeting May 23 made by Kelley seconded by Haubrich passed by all.

**10. New Business**

- Tree Removal Policy- motion to accept the tree removal policy made by Kelley seconded by Clayton, have the clerk add the proper signature on the pages, passed by all.
- Nicholas Road Open- Motion to open Nicholas Road made by Haubrich seconded by Kelley passed by all.
- Utility Contract- we have a township utility permit on township road right of way, we need to have something on file to show where the utility lines are. Once it is put in the ground it is the homeowner’s responsibility to maintain the lines, will be used if a homeowner wants/needs to put it under a township road. Motion to approve the permit made by Schack seconded by Kelley passed by all.
- Work Session Township land sales discussion- motion to have a work session on May 22 at 7 pm at the service center made by Haubrich seconded by Schack passed by all.
- Election Judge Training court house board room, June 25<sup>th</sup> 10-12 pm

**11. Treasurer’s Report** – dated May 9, April financials, 2018, (Draft) motion to approve the treasurers report made by Kelley seconded by Schack passed by all.

**12. Approve payment of bills for the month-** Motion to approve the payment of the bills in the amount of \$23,202.36 with check numbers 17865 17886 made by Haubrich seconded by Clayton passed by all.

**13. Public Input** (*please limit comments to 5 minutes*) please come up to the podium and state your name and address for the record

Herold Thompson Wendigo Heights Road- approved the 4<sup>th</sup> line down 319 feet meandering lake shore. Herold has the lake levels from the corp. of engineers for the past 40 years.

Dan Butterfield- addressing to Herold Thompson ask for Field data sheets.

**14. UPCOMING Events / Meetings**

Wed. May 16 Work Session Road Inspections.....	6:30 pm Harris Town Hall
Thu. May 17 Work Session Road Inspections, .....	6:30 pm Harris Town Hall
Wed. May 23 Planning and Development meeting.....	7:30 pm Harris Town Hall
Mon. May 28 Memorial Day Ceremony.....	9:00am coffee cookies and Service at 10:15 (apx)
Wed June 13 Regular Meeting.....	7:30pm Harris Town Hall
Mon. May 14 Itasca County Township Association.....	7:00 pm Blandin Foundation
Mon. June 11 Itasca County Township Association.....	7:00 pm Blandin Foundation

**15. Adjourn motion to adjourn made by Haubrich seconded by Kelley passed by all. 8:23 pm**

# BARGEN

INCORPORATED

606 County Road 1  
Phone (507) 427-2924  
Mountain Lake, MN 56159

## Fax/Email COVER SHEET

Company Harris Township  
Attention Ken Haubrich  
Fax # \_\_\_\_\_

From Jerry Van Dyke  
Date 6-8-18  
Phone: 1-800-434-2924  
Fax: 1-507-427-2697

Email: Supervisorahtp@gmail.com

Email us back at [bargen@bargeninc.com](mailto:bargen@bargeninc.com)

Total pages, including cover 4

Urgent  
For Review ✓  
Please Reply ✓  
Original is being mailed to you ✓

Message \_\_\_\_\_

Crack and gap repairs

# BARGEN

INCORPORATED

---

606 County Road 1  
Phone (507) 427-2924  
Mountain Lake, MN 56159

---

June 8, 2018

Harris Township  
Attn: Ken Haubrich  
28677 Norberg Drive  
Grand Rapids, MN 55744

Ken,

Thank you for the opportunity to explain the asphalt pavement maintenance services our firm offers and to provide you with a quote for your township. I am confident that you will find the services beneficial for your roads. I would like to explain the procedures our service crew uses.

#### Asphalt Rubber Crack Repair (Rout & Seal)

Our service crew will:

- A. rout out cracks 1" wide by 1" deep for cracks that are 40 feet apart and closer
- B. rout out cracks 1 ¼" wide by 1" deep for cracks that are 45 – 80 feet apart
- C. if the cracks are wider, they will be routed accordingly
- D. the cracks will then be cleaned with high volume blowers
- E. as a second cleaning procedure, a heat lance will be used to clean out any remaining debris and/or moisture
- F. cracks will be filled three-quarters to full
- G. after a cooling period, the cracks are filled a second time using a banding applicator
- H. this does not include any alleged areas
- I. the debris will be blown to the side of the curb, where it will be the City's responsibility to sweep up

#### Sealant Material

The sealant that we will use meets and exceeds the Minnesota State Spec. #3723.2 and Iowa ASTM-D3405 and ASTM-D6690 type II Spec. with the following modifications:

- 100% elongation at -20°F

Recently OSHA implemented new exposure levels for the Respirable Crystalline Silica law. We as a company are taking this seriously and we want to protect our workers as well as avoid any fines that might be incurred by not following OSHA regulations.

The OSHA standard (29 CFR 1926.1153) requires employers to limit worker exposures to respirable crystalline silica and to take other steps to protect workers. In keeping with the spirit of the law, we are doing everything we can to reduce our employee's exposure to Silica. This includes working towards a solution to suppress the dust at the point of creation, as well as using a Vacuum sweeper truck with a water system in the holding tank to suck the debris from the cracks.

**Maxwell Mastic Gap (widened crack repair)**

The existing cracks will be cleaned of debris and/or moisture using a heat lance. We then spray apply Gap Primer. We will then fill the cracks with Gap Mastic, the Gap will be applied in two lifts, the first lift is a narrower application and the second layer is wider and will level and smooth out the cracks. The Maxwell Mastic Gap is a revolutionary rubberized hot pour patching material designed to repair wide cracks, pot holes, rutting and depressed broken-up areas in asphalt and concrete pavement surfaces. It is also ideal for use around manholes, gutters and drains. When applied properly, Maxwell Mastic Gap creates a load bearing, weather resistant, durable bond resulting in a long term pavement maintenance solution.

Project Prices - Our price includes all materials, applicable taxes and labor to complete the project as explained.

*Please note: The Customer is responsible for notifying the public that we will be working in your area.*

*Pavement maintenance can be extremely dusty and dirty work and we strongly encourage the public to keep their Personal property at a strong distance away from our work zone. This will avoid any possible concerns for dust, debris or damage. A recommended distance would be 75 – 150 feet away from the work zone. An Insurance Certificate is available upon request.*

**Crack and Gap Mastic Repairs**

1. Birch Street - \$960.00
2. Harbor Heights - \$307.00
3. Kathryn Drive - \$400.00
4. Lake View Drive - \$288.00
5. Mohawk Drive – no cracks
6. Nicholas Street – no cracks
7. Pine Landing – could do some Gap Mastic on rough cracks if you would like.
8. South Wood Rd – no cracks
9. Sunny Beach Rd newer portion - \$1,555.00
10. Sunny Beach Rd old portion from Adair to Harris Town Rd. – Cracks \$44,584.00  
Gap Mastic repairs of 177 cracks is \$50,622.00
11. Underwood east - \$1,450.00
12. Underwood west - \$655.00
13. Verde Lane – Gap Mastic 8 cracks - \$2,304.00
14. Winnebago – no cracks
15. Woodland Park Rd – no cracks

**The total project price is subject to the work chosen to be completed.**

**TERMS:** Owner agrees that all payments required under this Contract shall be due and payable within 30 days of date of invoice. Owner further agrees that Bargaen Inc. may charge interest at the annual rate of eighteen percent (18%), unless a lesser percentage is required by law on any sum due under this Contract which is not paid within 30 days of invoice date. If payments are not made when due, interest, costs incidental to collection and attorney's fees (if any attorney is retained for collection) shall be added to the unpaid balance. Bargaen Inc. reserves the right, without penalty from Owner, to stop work on the project if Owner does not make payments to Bargaen Inc. when due.

This Proposal/Contract may be withdrawn by Bargaen Inc. if not accepted within 30 days, or at anytime, subject to increases related to material prices as noted above.

**Acceptance of proposal** – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. This proposal may be withdrawn if not accepted within 30 days.

Date of acceptance \_\_\_\_\_ Purchase Order # \_\_\_\_\_

Signature \_\_\_\_\_ Signature \_\_\_\_\_

Thank you for the opportunity to provide you with information on the asphalt pavement maintenance needs in your community. I am confident that you will find the products used and the workmanship of our crew of the highest quality. I look forward to working with you in the near future.

Sincerely,

Jerry Van Dyke  
BARGEN, INC  
  
JVD/lh

**Project for Harris Township – Crack and Gap Mastic Repairs**

**Our Mission**

Bargaen, Inc. is committed to excellence and, because of this, we take pride in our team of professional craftsmen. Our primary purpose is to provide knowledgeable recommendations, quality workmanship and exceptional service. Our goal is satisfied customers who have received the most value for their investment.

Website: [www.bargeninc.com](http://www.bargeninc.com)  
Email: [bargen@bargeninc.com](mailto:bargen@bargeninc.com)



Qwest Corporation  
4865 Heatherwood Rd  
St Cloud, MN 56301

Today's Date: 6/5/2018

Harris Township  
Ken Haubrich  
21998 Airport rd  
Grand Rapids, MN

RE: Telephone Utility Job Order# N.232877 Exchange \_GDRPMNGR

Application is hereby made for permission to place, construct and thereafter maintain a telephone utility along or across Wendigo Park RD

Attached is a sketch indicating the proposed route. If you concur please sign the permit below and return the original to Company / CenturyLink. A duplicate copy of the letter and sketch is attached for your file.

If you have any questions or concerns about the project or have special instructions, please feel free to contact me.

Yours truly,

A handwritten signature in black ink, appearing to read "M. Spieker".

Michael Spieker  
Engineer II  
612-861-8781

### PERMIT APPROVAL

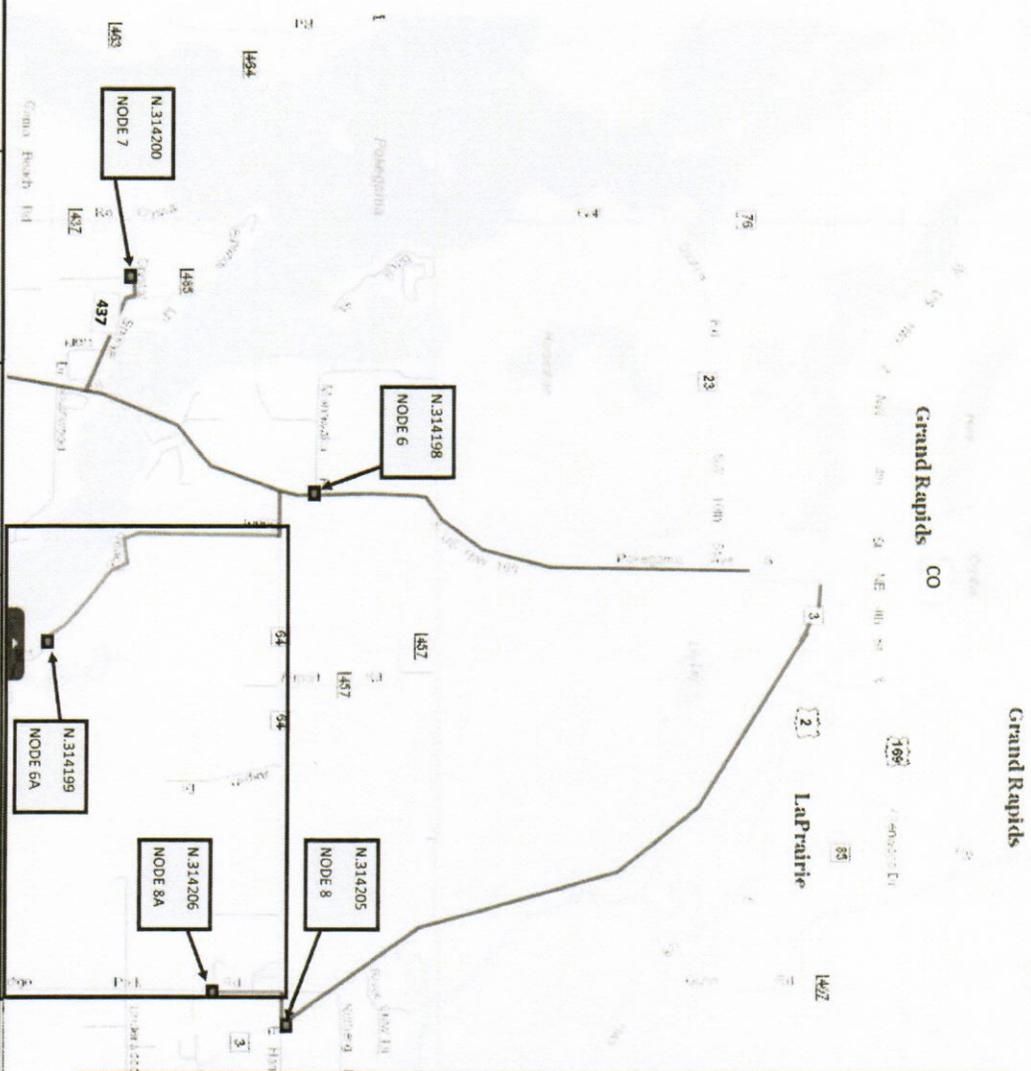
**This is to certify that Company / CenturyLink and or it's contractor have been given permission to place buried communications facilities as specified in the above letter and attached sketch.**

\_\_\_\_\_  
Signed

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

JOB LOCATION: ITASCA COUNTY, CTY RD 3 AND 64—BACKBONE FIBER ROUTE #3



EXCHANGE KEY:	REMOTE SWITCH EXCHANGE KEY	COMMUNITY NAME	ENGINEERING CONTACT	CONTRACT ENGINEER	CONSTRUCTION COORDINATOR	SECTION:
3396 GRAND RAPIDS		NAME: CITY:	NAME: MICHAEL SPEIKER PHONE NUMBER: 612-961-8781	NAME: TONI PAGE COMPANY: SQUAN	NAME: LARRY CHRISTENSEN PHONE NUMBER: 765-589-1311	TOWN/SHP: RANGE:

**Narrative/Special Remarks**  
 This project for Grand Rapids, MN is part of the 2018 build plan to meet CenturyLink's fiber and deployment provided by the acquisition of the Frontier Communications Corporation. Covered services listed below II (CIR II) funding. This project will build broadband capability to 1788 CIR II eligible households in high-cost census tracts. The project will build 5,500' of new fiber and plan or upgrade 52 new DSL routes.

**DEVELOPER CONTACT**

Held Order Information

Service Order #      Customer Termini:

Customer Name:      Cable Assignment:

Customer Address:      FT:

   ST:

   Cross Connect:

**Misc. Information**

List all associated projects

- Site of Key Related route
- State Permit Required: N/A
- County Permit Required: N/A
- City Permit Required: N/A
- Additional Permit Information:

Site Location ID # (BVA#):

Third Open Date: none

DSL Status: N/A

SL

ADDITIONAL COMMENTS: none

**REVISIONS**

DATE	REVISION DESCRIPTION

**CENTURYLINK**

ESRS / ECD Date

REVISION:

DATE: 08/14/2018

PROJECT: N.314207

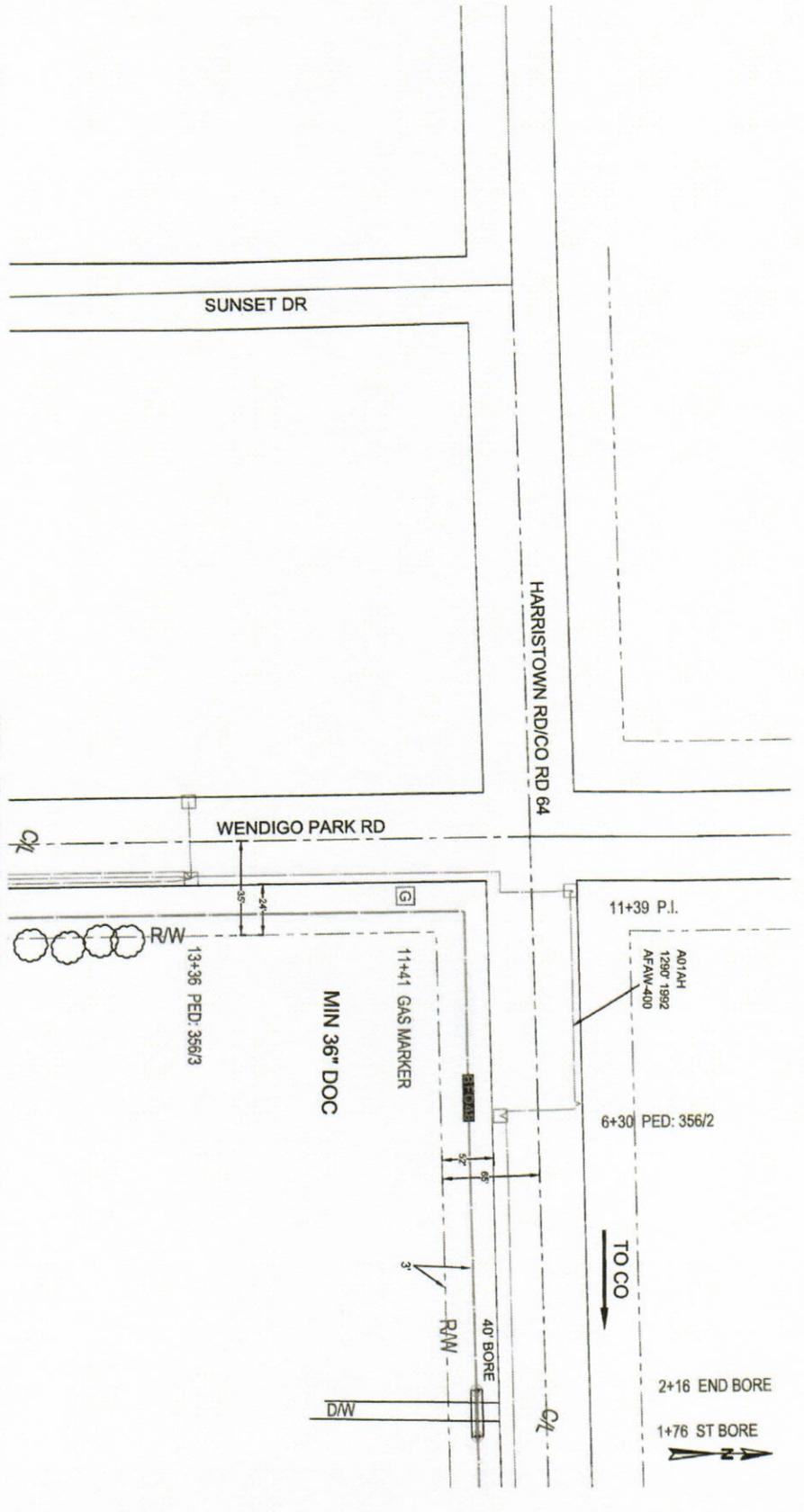
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DATE: 08/14/2018

PROJECT: W.2480116

SCALE: 1"=100'

DATE: 08/14/2018



SEE SHEET 3 OF 12

EXCHANGE KEY:	ROUTE SWITCH EXCHANGE KEY	CONTRACT NAME	ENGINEERING CONTACT	CONTRACT ENGINEER	CONSTRUCTION COORDINATOR	REVISION:	MC. CLIB	SECTION:	PROJECT:	SCALE:	DATE:	SHEET:
3396 GRAND RAPIDS		NAME: GRAND RAPIDS	NAME: MICHAEL SPEIKER PHONE NUMBER: 612-861-8781	NAME: TONI PAGE COMPANY: SOULAN	NAME: LARRY CHRISTENSEN PHONE NUMBER: 763-389-1331		GOVERNOR	RI - MN - GRAND RAPIDS CAT2 PROJECT	N.232877 W/FMT PROJECT: W.2480116	1"=100'		2 OF 12



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SEE SHEET 2 OF 12

PED: 3956 16+72  
 PL BDO5 16+75  
 START BORE D/W

END BORE D/W 17+30

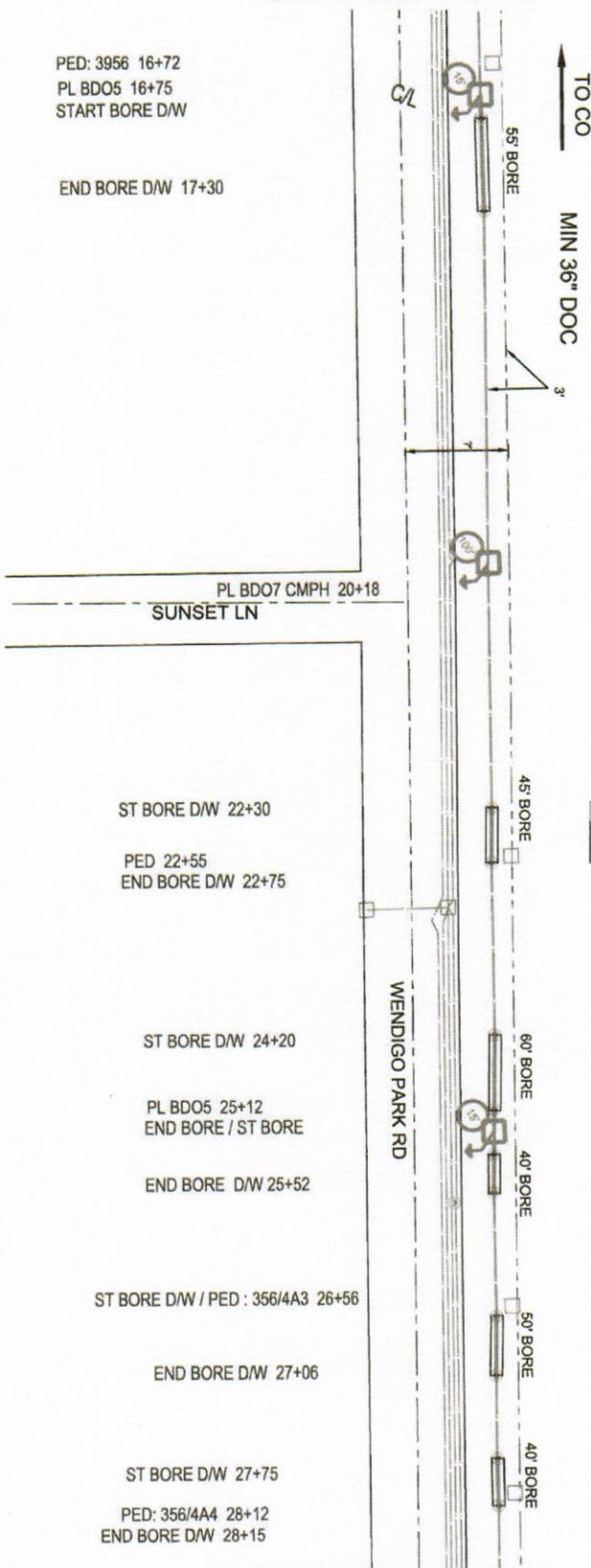
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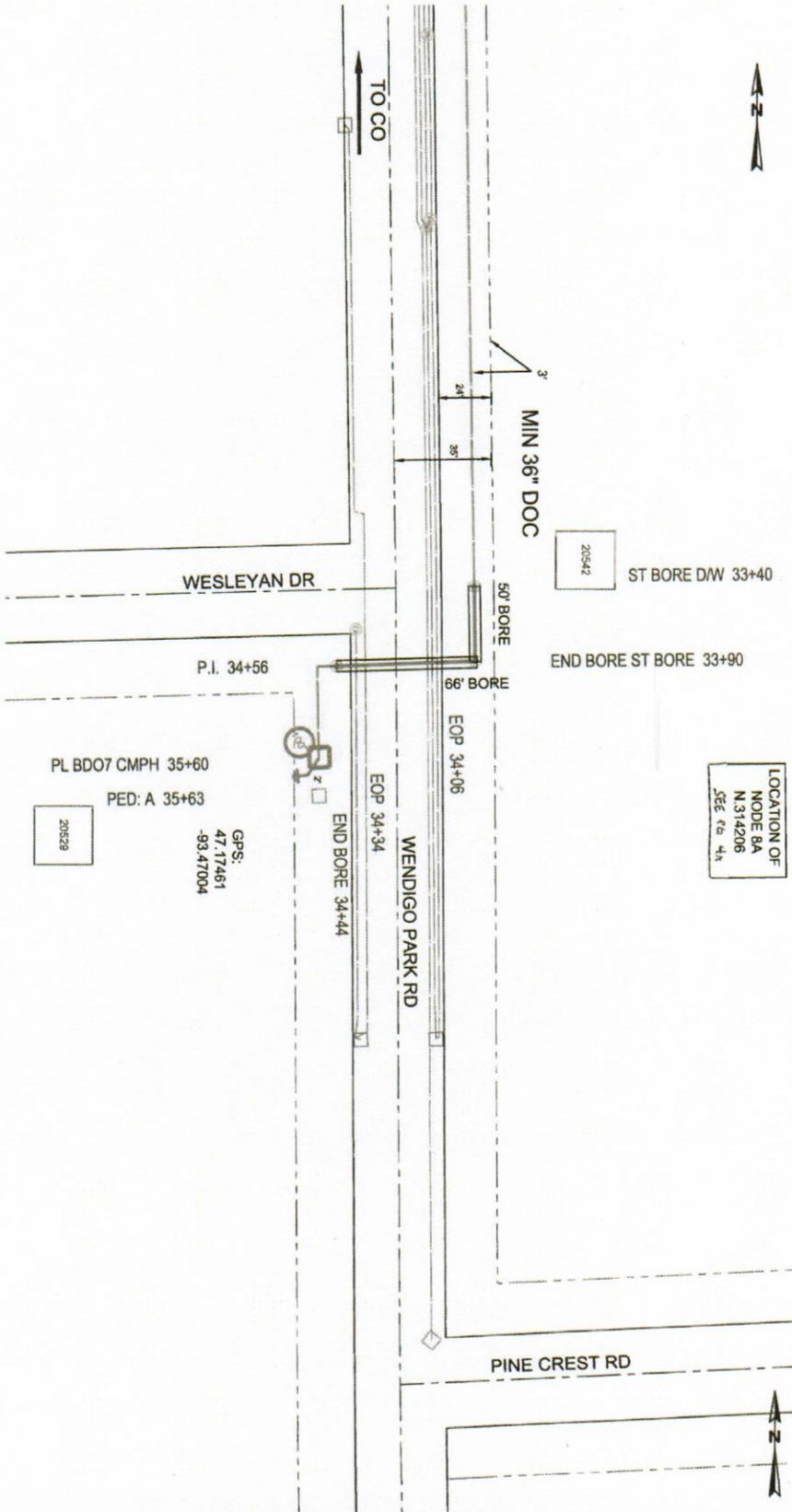
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SEE SHEET 4 OF 12

EXCHANGE KEY:		REMOTE SWITCH EXCHANGE KEY	COMPLAINT NAME	ENGINEERING CONTACT	CONTACT ENGINEER	CONSTRUCTION COORDINATOR	REVISIONS:
3396 GRAND RAPIDS			NAME: GRAND RAPIDS CITY: GRAND RAPIDS	NAME: MICHAEL SPEIKER PHONE NUMBER: 612-861-8781	NAME: TONI PAGE COMPANY: SOLUAN	NAME: LARRY CHRISTENSEN PHONE NUMBER: 763-399-1331	<p>MC CALL: GORHAM/GR</p> <p>SECTION:</p> <p>TOWNSHIP:</p> <p>RANGE:</p>
DATE:		DESCRIPTION:		<p>DATE:</p>			
<p>REVISIONS:</p> <p>NO. CALL: GORHAM/GR</p> <p>SECTION:</p> <p>TOWNSHIP:</p> <p>RANGE:</p>		<p>DATE:</p> <p>DESCRIPTION:</p>		<p>DATE:</p> <p>DESCRIPTION:</p>		<p>DATE:</p> <p>DESCRIPTION:</p>	
<p>SCALE: 1"=100'</p> <p>DATE:</p>		<p>PROJECT#: N:232877 W/FMT PROJECT#: W:2480116</p>		<p>SCALE: 1"=100'</p> <p>DATE:</p>		<p>PROJECT#: N:232877 W/FMT PROJECT#: W:2480116</p>	
<p>SHEET: 3 OF 12</p>		<p>CenturyLink</p>		<p>CenturyLink</p>		<p>CenturyLink</p>	

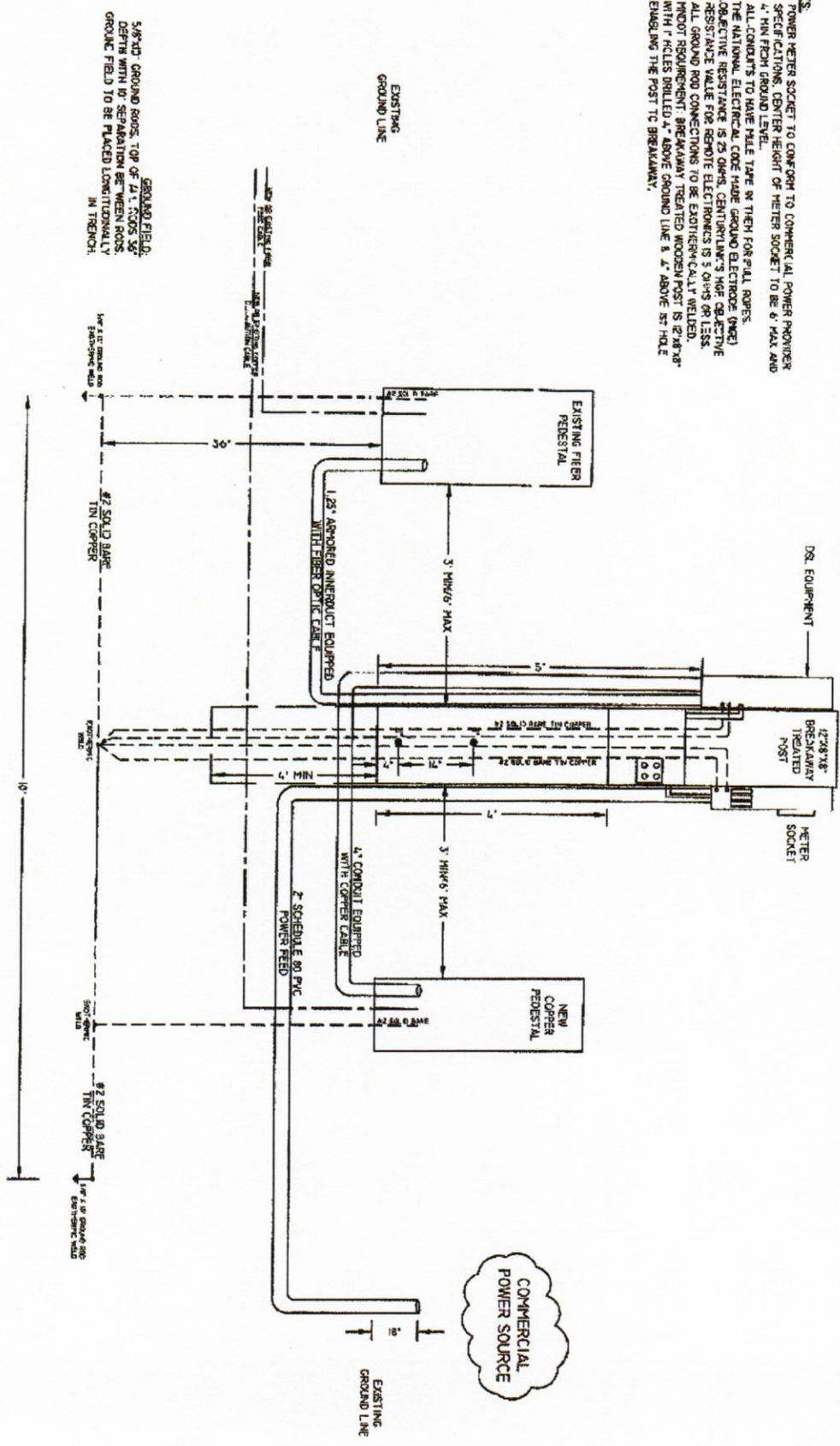
SEE SHEET 3 OF 12



LOCATION OF  
NODE 8A  
N.314206  
SEE P. 4A

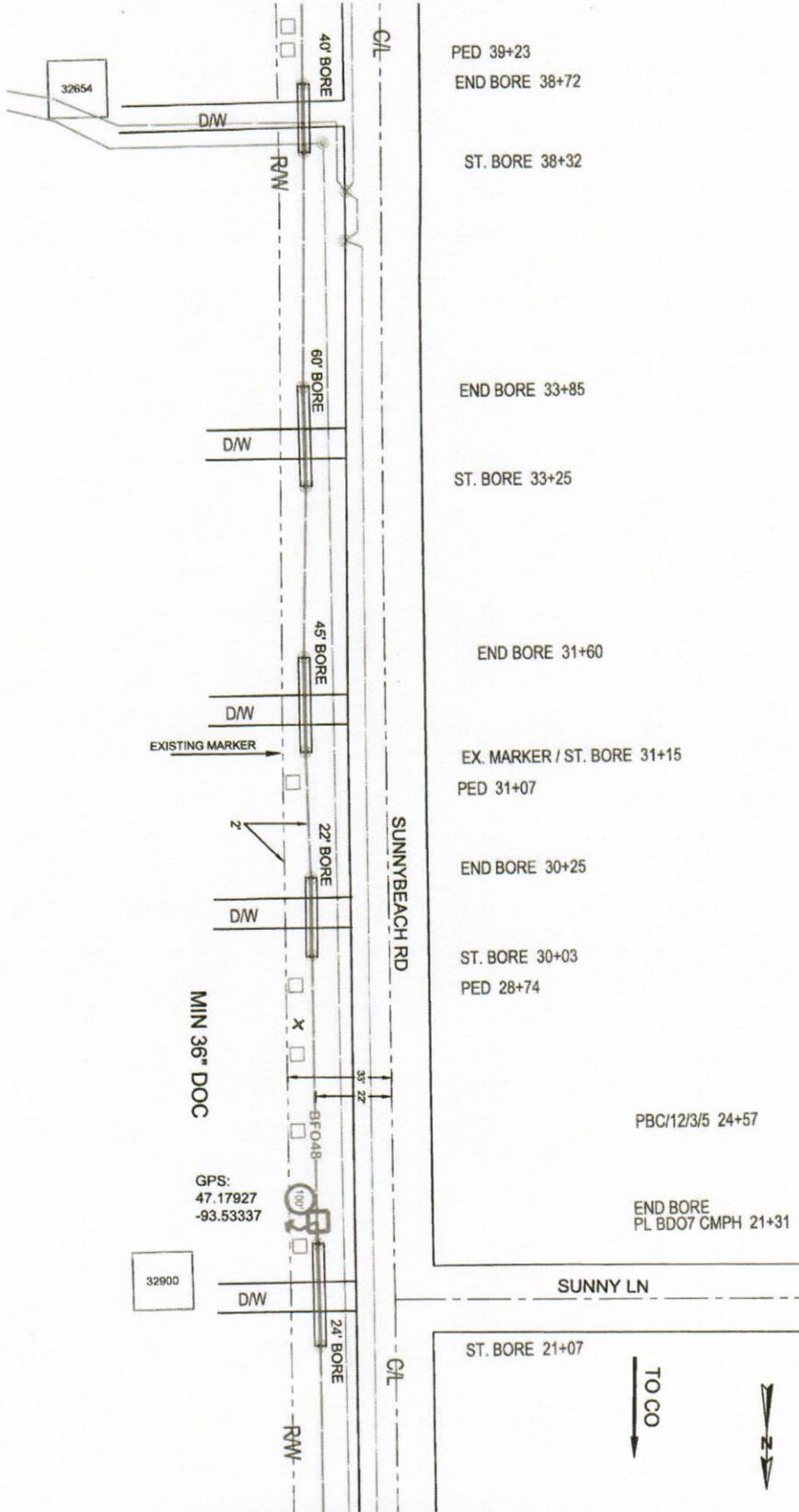
EXCHANGE KEY:	REMOTE SWITCH EXCHANGE KEY	COMMUNITY NAME	ENGINEERING CONTACT	CONTRACT ENGINEER	CONSTRUCTION COORDINATOR	REVISION:	DATE
3396 GRAND RAPIDS		NAME: GRAND RAPIDS CITY: GRAND RAPIDS	NAME: MICHAEL SPIEKER PHONE NUMBER: 612-861-8781	NAME: TONI PAGE COMPANY: SOULAN	NAME: LARRY CHRISTENSEN PHONE NUMBER: 763-399-1331	NO. CALL: GDRPNNGR SECTION: TOWNSHIP: RANGE:	
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- NOTES:**
0. POWER METER SOCKET TO CONFORM TO COMMERCIAL POWER PROVIDER SPECIFICATIONS, CENTER HEIGHT OF METER SOCKET TO BE 6" MAX AND 4" MIN FROM GROUND LEVEL.
  - 2) ALL CONDUITS TO HAVE HALE TAPE IN THEM FOR FALL ROPES.
  - 3) THE NATIONAL ELECTRICAL CODE HAD GROUND ELECTRODE (NEE) OBJECTIVE RESISTANCE IS 25 OHMS, CENTURLIKAW'S HOF OBJECTIVE RESISTANCE VALUE FOR REMOTE ELECTRONICS IS 5 OHMS OR LESS.
  - 4) ALL GROUND ROD CONNECTIONS TO BE EXOTHERMICALLY WELDED.
  - 5) MOUNT REQUIREMENT: BREAKAWAY TREATED WOODEN POST IS 2"x4"x8" WITH 1" HOLES DRILLED 4" ABOVE GROUND LINE & 4" ABOVE 57" HOLE EMERGING THE POST TO BREAKAWAY.





SEE SHEET 7 OF 12

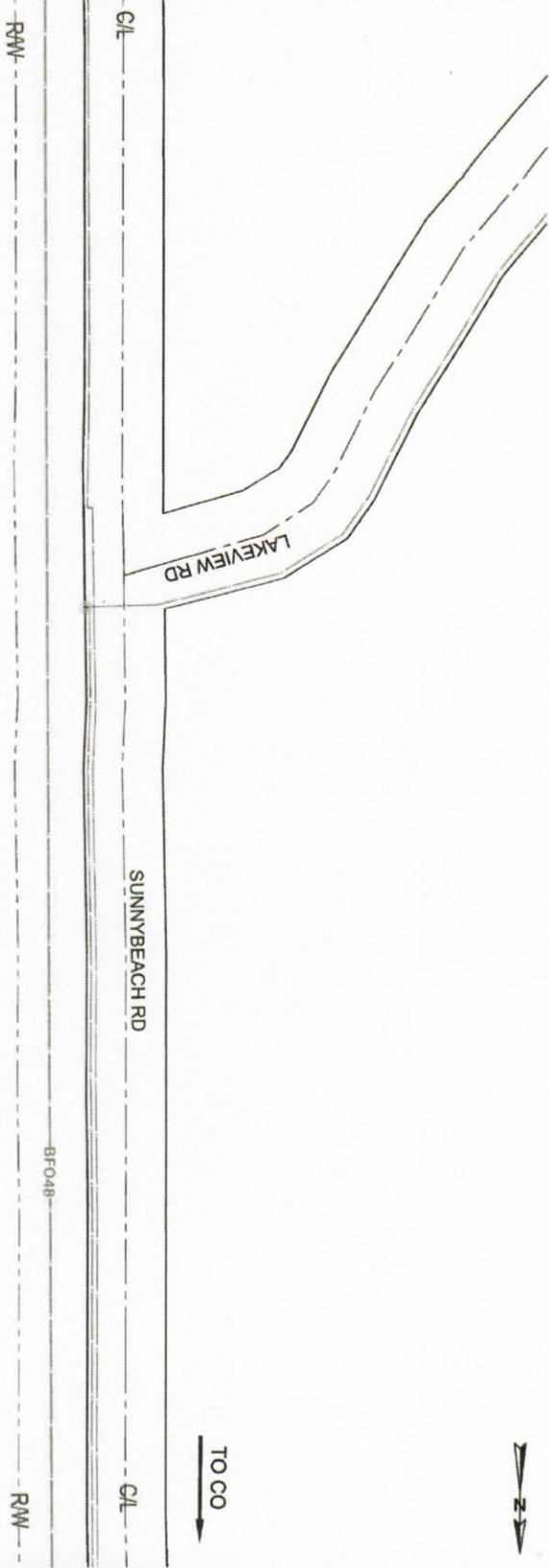


SEE SHEET 5 OF 12

EXCHANGE KEY:	3596 GRAND RAPIDS	ROUTE SWITCH EXCHANGE KEY	COMMUNITY NAME	ENGINEERING CONTACT	CONTRACT ENGINEER	CONSTRUCTION COORDINATOR	REVISIONS:		
			NAME: GRAND RAPIDS	NAME: MICHAEL SPIEKER PHONE NUMBER: 612-961-8781	NAME: TONI PAGE COMPANY: SOLVAN	NAME: LARRY CHRISTENSEN PHONE NUMBER: 763-599-1331	REVISION: _____ NO. CALL: GORP/MHICR SECTION: _____ TOWNSHIP: _____ RANGE: _____		
							EXISTING AS SHOWN IN CONFORMANCE WITH THE STANDARD AND SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF UTILITY LINES AND STRUCTURES. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES BEFORE ANY CONSTRUCTION. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY EASEMENTS AND RIGHTS-OF-WAY FROM THE PROPERTY OWNERS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES.		
							PROJECT: N-232877 W/FMT PROJECT: W-2480116 SCALE: 1"=100' DATE: _____ SHEET: 6 OF 12		



SEE SHEET 9 OF 12



MIN 36" DOC

SEE SHEET 7 OF 12

EXCHANGE KEY:		ROUTE SWITCH EXCHANGE KEY:		COMMUNITY NAME:		ENGINEERING CONTACT:		CONTRACT ENGINEER:		CONSTRUCTION COORDINATOR:	
3396	GRAND RAPIDS			NAME:	GRAND RAPIDS	NAME:	MICHAEL SPIEKER	NAME:	TONI PAGE	NAME:	LARRY CHRISTENSEN
				CTY:	GRAND RAPIDS	PHONE NUMBER:	612-961-8781	COMPANY:	SOLAN	PHONE NUMBER:	763-389-1331

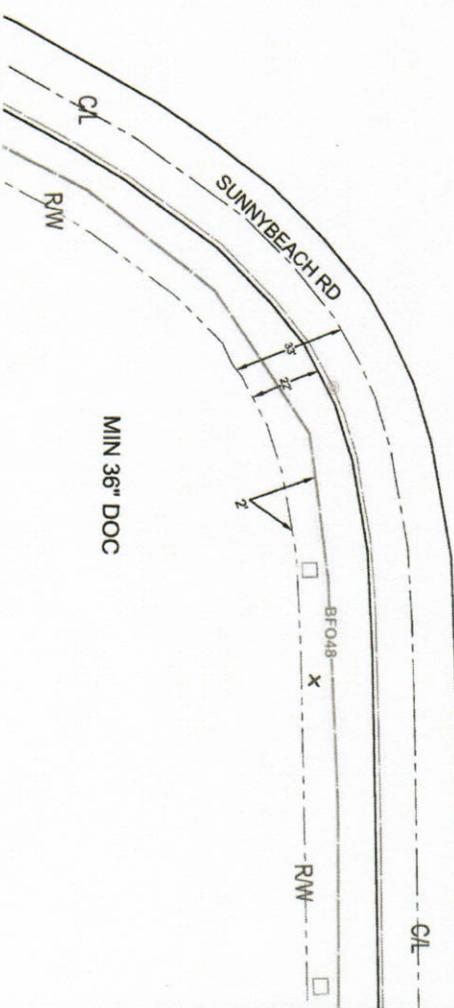
REVISIONS	
DATE	DESCRIPTION

REVISION: NO. CLUB: GDRP/MNCR SECTION: TOWNSHIP: RANGE:		EXCEPT AS SHOWN OR OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL BE THE PROPERTY OF CENTURYLINK. NO PART OF THESE DRAWINGS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CENTURYLINK.
PROJECT#: N.232877 W/FM/T PROJECT: W.2480116 SCALE: 1"=100' DATE:		SHEET: 8 OF 12

EXCHANGE KEY:	ROUTE SWITCH EXCHANGE KEY	COMMUNITY NAME	ENGINEERING CONTACT	CONTRACT ENGINEER	CONSTRUCTION COORDINATOR	W.C. CLUB	 
3396 GRAND RAPIDS		NAME: GRAND RAPIDS CITY: GRAND RAPIDS	NAME: MICHAEL SPIEKER PHONE NUMBER: 612-961-8781	NAME: TONI PAGE COMPANY: SOULAN	NAME: LARRY CHRISTENSEN PHONE NUMBER: 753-389-1331	SECTION: TOWNSHIP: RANGE:	
							<small>EXCEPT AS SHOWN OR OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL BE THE PROPERTY OF CENTURYLINK. NO PART OF THESE DRAWINGS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.</small> DESC: MN - GRP - RL - MN-GRAND RAPIDS CAZ2 PROJECT PROJECT#: N.232877 W/FMT PROJECT: W.2480116 SCALE: 1"=100' DATE: SHEET: 9 OF 12

SEE SHEET 10 OF 12



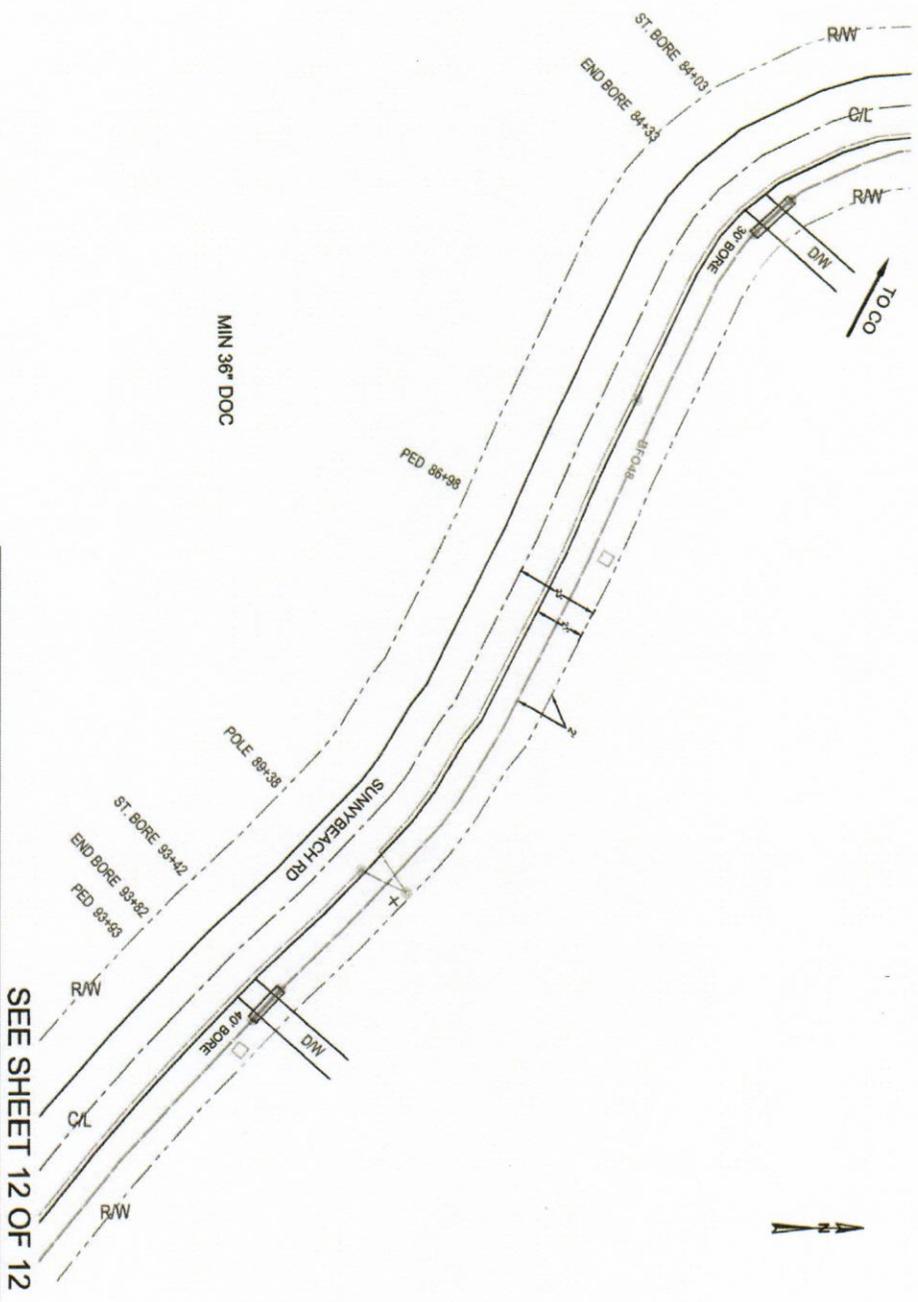
SEE SHEET 8 OF 12

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SEE SHEET 10 OF 12

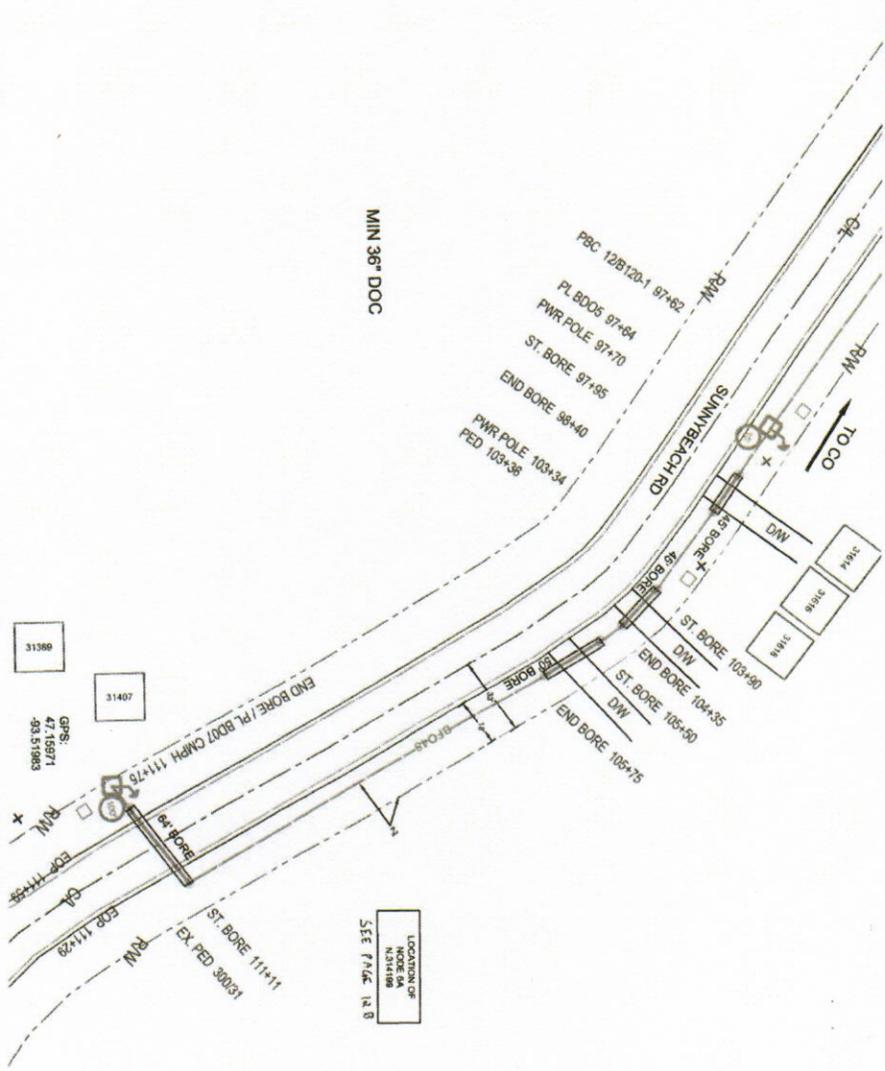


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EXCHANGE KEY:		REMOTE SWITCH EXCHANGE KEY		COMMUNITY NAME		ENGINEERING CONTACT		CONTRACT ENGINEER		CONSTRUCTION COORDINATOR		REVISION:		CenturyLink	
3596 GRAND RAPIDS				NAME: GRAND RAPIDS CITY: GRAND RAPIDS		NAME: MICHAEL SPIEKER PHONE NUMBER: 612-661-8781		NAME: TONI PAGE COMPANY: SQUAN		NAME: LARRY CHRISTENSEN PHONE NUMBER: 763-589-1351		MC C/L: GORP/ANCR SECTION: TOWNSHIP: RANGE:		<small>EXCEPT AS SHOWN, PROVIDED BY CONTRACTOR, THESE DRAWINGS AND SPECIFICATIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.</small> DESC: MN - GORP - R - MN - GRAND RAPIDS C&Z PROJECT PROJECT#: N-232877 W/FMT PROJECT: W-2480116 SCALE: 1"=100' DATE: SHEET: 11 OF 12	

REVISIONS	
DATE	DESCRIPTION

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LOCATION OF  
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N314188  
SEE PAGE 1&8

EXCHANGE KEY:		REMOTE SWITCH EXCHANGE KEY		COMMUNITY NAME		ENGINEERING CONTACT		CONTRACT ENGINEER		CONSTRUCTION COORDINATOR		REVISION:		CENTURYLINK	
3396 GRAND RAPIDS		GRAND RAPIDS		GRAND RAPIDS		MICHAEL SPECKER PHONE NUMBER: 612-861-6781		TONI PAGE COMPANY: SOLIAN		LARRY CHRISTENSEN PHONE NUMBER: 763-389-1331		MC CLIF: GDRP-PLANOR SECTION: TOWNSHIP: NAME:		EXCEPT AS NOTED, THE ENGINEERING PROVIDED BY CONTRACTOR, THESE DRAWINGS AND SPECIFICATIONS SHALL BE THE SOLE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES. PROJECT#: N.232877 INFRASTRUCTURE PROJECT W.2480116 SCALE: 1"=100' DATE: SHEET: 12 OF 12	

REVISIONS	
DATE	DESCRIPTION



- NOTES:
- 1) POWER METER SOCKET TO CONFORM TO COMMERCIAL POWER PIONEER SPECIFICATIONS, CENTER HEIGHT OF METER SOCKET TO BE 8" MAX AND 4" MIN FROM GROUND LEVEL.
  - 2) ALL CONDUITS TO HAVE TAPE IN THEM FOR PULL ROPES.
  - 3) THE NATIONAL ELECTRICAL CODE MADE GROUND BATTERY (NEC) OBJECTIVE RESISTANCE IS 25 OHMS, CONTINUITY'S MAX ON EARTH RESISTANCE VALUE FOR REMOTE ELECTRONICS IS 5 OHMS OR LESS.
  - 4) ALL GROUND ROD CONNECTIONS TO BE EXOTHERMICALLY WELDED.
  - 5) HADOT REQUIREMENT: BREAKAWAY TREATED WOODEN POST IS 6" DIA" WITH 1" NILES DRILLED 4" ABOVE GROUND LINE & 4" ABOVE 1ST HOLE ENABLING THE POST TO BREAKAWAY.

