



3311 109th Street • Urbandale, Iowa 50322  
Tel: 515.331.2103 • Fax: 515.331.1728  
gss@gssmidwest.com • www.gssmidwest.com

June 11, 2026

GSS Project #W26310

**Jesse Osmer**

County Administrator  
720 W Chisholm Street, Suite 7  
Alpena, MI 49707  
989-354-9500  
[osmerj@alpenacounty.org](mailto:osmerj@alpenacounty.org)

**RE: NOTICE OF INITIATION OF THE SECTION 106 PROCESS-PUBLIC PARTICIPATION  
HORVATH COMMUNICATIONS – ALPENA AIRPORT (HV1616) – WILSON TOWNSHIP, ALPENA COUNTY MICHIGAN**

Notice of Initiation of the Section 106 Process-Public Participation in accordance with the FCC's Nationwide Programmatic Agreement Horvath Communications intends to construct a communications facility at an address 4900 M-32W, Wilson Township, Alpena County, Michigan (Latitude: 45° 03' 41.52"N and Longitude: 83° 33' 05.82"W). The facility will include a monopole telecommunications tower with an overall height of 163 ft. and associated equipment. Horvath Communications is publishing this notice in accordance with Federal Communications Commission regulations (47 CFR § 1.1307) for Section 106 of the National Historic Preservation Act (NHPA) and for the National Environmental Policy Act (NEPA).

Horvath Communications must comply with all Federal, State and local regulations governing the proposed facility. Section 106 of the National Historic Preservation Act of 1966, as amended, requires Horvath Communications to evaluate this project for any effect it may have on Historic Properties. As part of this evaluation, Horvath Communications is required to publish Public Notice in an effort to gather comments on the potential effects of the proposed facility on Historic Properties.

The purpose of this letter is to:

- Notify your office that Public Notice seeking comments on the potential effects of the proposed construction on Historic Properties is scheduled to be published in The Alpena News on June 17, 2026
- Invite comments on the potential effects of the proposed facility on Historic Properties, from your office and any other relevant individuals or groups that you may be aware of.

Attached to this letter are the following: a topographic map, street map, aerial photograph, site photographs (when available), drawings (when available), and a copy of the wording placed in the Public Notice.

We respectfully request that parties interested in submitting comments regarding any potential effects of the proposed facility on Cultural or Historic Properties, or questions regarding the project, may do so by sending them to GSS, Inc., 3311 109<sup>th</sup> Street, Urbandale, IA 50322 or by calling (515) 331-2103 within 30 days of the date of this letter.

Sincerely,  
**GSS, INC.**

A handwritten signature in blue ink that reads 'Nora Mahoney'.

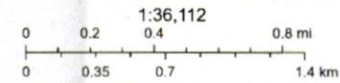
**Nora Mahoney**  
**Associate Project Manager**  
Enclosure

**FIGURE 1 – TOPOGRAPHIC MAP**  
HORVATH COMMUNICATIONS – ALPENA AIRPORT (#HV1616) / GSS PROJECT #W26310  
LAKE WINYAH, IL QUAD 1974  
SECTION: 23, TOWNSHIP: 31N, RANGE: 7E

W26310 Alpena Airport



6/10/2026, 11:04:54 AM



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GSS, Inc.

Esri, NASA, NGA, USGS, FEMA | Esri Community Maps Contributors, Province of Ontario, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS | Sources: Esri, HERE, Garmin, USGS,



**Map Legend**



Proposed Site



Study Area / APE



**AERIAL MAP**

HORVATH COMMUNICATIONS – ALPENA AIRPORT (#HV1616) / GSS PROJECT #W26310  
WILSON TOWNSHIP, ALPENA COUNTY, MICHIGAN  
AERIAL DATE: 6/3/2026



Google Earth  
Image © 2025 Airbus

Site Location

300 ft



# ALPENA AIRPORT EAST

**HV1616**  
**4900 M-32W**  
**ALPENA, MI 49707**  
**ALPENA COUNTY**  
**"ALPENA AIRPORT EAST"**  
**MDG #: 5000906164**



2307 EDISON RD  
 SOUTH BEND, IN 46615

**NEW 160'-0" MONOPOLE TOWER**  
**W/3'-0" LIGHTNING ROD**  
**TOTAL TOWER HEIGHT 163'-0"**

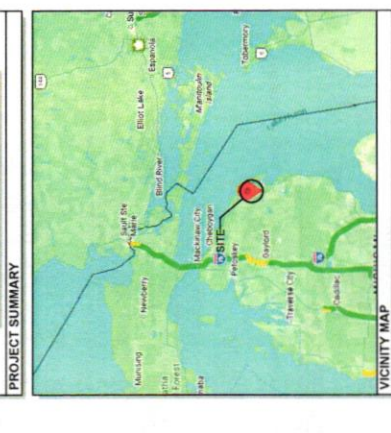
**TOWER OWNER:**  
 ALPENA COUNTY SHERIFF  
 ALPENA, MI 49707  
 PHONE: 986-354-9800

**ENGINEER:**  
 WILSON TWP FIRE DEPT  
 ALPENA AIRPORT EAST  
 ALPENA, MI 49707  
 PHONE: 986-255-7670

**GENERAL INFORMATION:**  
 PROJECT NO: 173-1010  
 PROJECT ADDRESS: 4900 M-32W  
 PROJECT CITY: ALPENA, MI 49707  
 PROJECT COUNTY: ALPENA COUNTY  
 PROJECT STATE: MI  
 PROJECT ZIP: 49707  
 PROJECT ELEVATION: 620.00 FT  
 PROJECT GROSS AREA: 0.00 ACRES  
 PROJECT PERMIT NO: 173-1010  
 PROJECT PERMIT DATE: 03/20/14

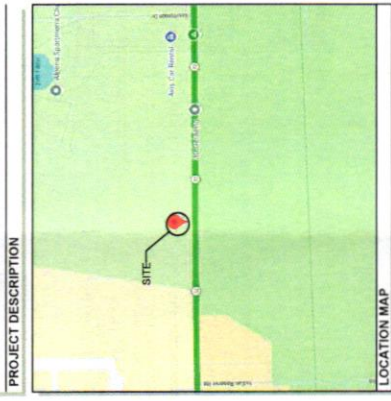
**PROJECT CONTACT:**  
 ALPENA COUNTY SHERIFF  
 ALPENA, MI 49707  
 PHONE: 986-354-9800  
 E-MAIL: TSD

**PROJECT SUMMARY:**  
 THIS PROJECT IS A NEW 160'-0" MONOPOLE TOWER WITH A 3'-0" LIGHTNING ROD. THE TOWER WILL BE CONSTRUCTED BY THE WIRELESS GENERAL CONTRACTOR.



**PROJECT DESCRIPTION:**  
 THIS PROJECT IS A NEW 160'-0" MONOPOLE TOWER WITH A 3'-0" LIGHTNING ROD. THE TOWER WILL BE CONSTRUCTED BY THE WIRELESS GENERAL CONTRACTOR.

ITEM NO.	DESCRIPTION	STATUS
1	160'-0" MONOPOLE TOWER WITH 3'-0" LIGHTNING ROD	NEW
2	FOUNDATION	NEW
3	GROUNDING	NEW
4	WIRING	NEW
5	EQUIPMENT MOUNTING	NEW
6	ACCESSORY STRUCTURE	NEW
7	PERMITTING	NEW
8	CONSTRUCTION	NEW
9	INSPECTION	NEW
10	AS-BUILT	NEW



**APPLICABLE CODES:**  
 ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSIDERED TO CONTRADICT OR TO BE IN CONFLICT WITH ANY OF THE FOLLOWING CODES:

**ARCHITECTURAL:**  
 TELECAD WIRELESS  
 1775 MACREGOR WAY  
 ALPENA, MI 49707  
 PHONE: 231-940-9000

**ELECTRICAL:**  
 ELECTRICAL UTILITIES CORPORATION  
 401 N 27th AVE  
 ALPENA, MI 49707  
 PHONE: 986-354-6000



SHEET NUMBER	DESCRIPTION
T-1	GENERAL INFORMATION, SITE MAPS, SHEET INDEX, SURVEY PLAN
C-1	OVERALL SITE PLAN, MATERIAL, OVERLAY
C-1A	FOUNDATION PLAN AND DETAILS
C-2	GROUNDING PLAN AND DETAILS
C-3	WIRING PLAN AND DETAILS
C-4	EQUIPMENT MOUNTING PLAN AND DETAILS
C-5	ACCESSORY STRUCTURE PLAN AND DETAILS
C-6	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
D-1	FENCE DETAILS AND NOTES
D-2	SITE DETAILS
D-3	EQUIPMENT PAD & LIGHT FIXTURES
D-4	FOUNDATION PLAN AND DETAILS
D-5	GROUNDING PLAN AND DETAILS
D-6	WIRING PLAN AND DETAILS
D-7	EQUIPMENT MOUNTING PLAN AND DETAILS
D-8	ACCESSORY STRUCTURE PLAN AND DETAILS
D-9	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
D-10	AS-BUILT
E-1	GROUNDING PLAN AND DETAILS
E-2	WIRING PLAN AND DETAILS
E-3	EQUIPMENT MOUNTING PLAN AND DETAILS
E-4	ACCESSORY STRUCTURE PLAN AND DETAILS
E-5	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-6	AS-BUILT
E-7	GROUNDING PLAN AND DETAILS
E-8	WIRING PLAN AND DETAILS
E-9	EQUIPMENT MOUNTING PLAN AND DETAILS
E-10	ACCESSORY STRUCTURE PLAN AND DETAILS
E-11	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-12	AS-BUILT
E-13	GROUNDING PLAN AND DETAILS
E-14	WIRING PLAN AND DETAILS
E-15	EQUIPMENT MOUNTING PLAN AND DETAILS
E-16	ACCESSORY STRUCTURE PLAN AND DETAILS
E-17	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-18	AS-BUILT
E-19	GROUNDING PLAN AND DETAILS
E-20	WIRING PLAN AND DETAILS
E-21	EQUIPMENT MOUNTING PLAN AND DETAILS
E-22	ACCESSORY STRUCTURE PLAN AND DETAILS
E-23	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-24	AS-BUILT
E-25	GROUNDING PLAN AND DETAILS
E-26	WIRING PLAN AND DETAILS
E-27	EQUIPMENT MOUNTING PLAN AND DETAILS
E-28	ACCESSORY STRUCTURE PLAN AND DETAILS
E-29	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-30	AS-BUILT
E-31	GROUNDING PLAN AND DETAILS
E-32	WIRING PLAN AND DETAILS
E-33	EQUIPMENT MOUNTING PLAN AND DETAILS
E-34	ACCESSORY STRUCTURE PLAN AND DETAILS
E-35	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-36	AS-BUILT
E-37	GROUNDING PLAN AND DETAILS
E-38	WIRING PLAN AND DETAILS
E-39	EQUIPMENT MOUNTING PLAN AND DETAILS
E-40	ACCESSORY STRUCTURE PLAN AND DETAILS
E-41	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-42	AS-BUILT
E-43	GROUNDING PLAN AND DETAILS
E-44	WIRING PLAN AND DETAILS
E-45	EQUIPMENT MOUNTING PLAN AND DETAILS
E-46	ACCESSORY STRUCTURE PLAN AND DETAILS
E-47	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-48	AS-BUILT
E-49	GROUNDING PLAN AND DETAILS
E-50	WIRING PLAN AND DETAILS
E-51	EQUIPMENT MOUNTING PLAN AND DETAILS
E-52	ACCESSORY STRUCTURE PLAN AND DETAILS
E-53	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-54	AS-BUILT
E-55	GROUNDING PLAN AND DETAILS
E-56	WIRING PLAN AND DETAILS
E-57	EQUIPMENT MOUNTING PLAN AND DETAILS
E-58	ACCESSORY STRUCTURE PLAN AND DETAILS
E-59	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-60	AS-BUILT
E-61	GROUNDING PLAN AND DETAILS
E-62	WIRING PLAN AND DETAILS
E-63	EQUIPMENT MOUNTING PLAN AND DETAILS
E-64	ACCESSORY STRUCTURE PLAN AND DETAILS
E-65	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-66	AS-BUILT
E-67	GROUNDING PLAN AND DETAILS
E-68	WIRING PLAN AND DETAILS
E-69	EQUIPMENT MOUNTING PLAN AND DETAILS
E-70	ACCESSORY STRUCTURE PLAN AND DETAILS
E-71	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-72	AS-BUILT
E-73	GROUNDING PLAN AND DETAILS
E-74	WIRING PLAN AND DETAILS
E-75	EQUIPMENT MOUNTING PLAN AND DETAILS
E-76	ACCESSORY STRUCTURE PLAN AND DETAILS
E-77	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-78	AS-BUILT
E-79	GROUNDING PLAN AND DETAILS
E-80	WIRING PLAN AND DETAILS
E-81	EQUIPMENT MOUNTING PLAN AND DETAILS
E-82	ACCESSORY STRUCTURE PLAN AND DETAILS
E-83	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-84	AS-BUILT
E-85	GROUNDING PLAN AND DETAILS
E-86	WIRING PLAN AND DETAILS
E-87	EQUIPMENT MOUNTING PLAN AND DETAILS
E-88	ACCESSORY STRUCTURE PLAN AND DETAILS
E-89	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-90	AS-BUILT
E-91	GROUNDING PLAN AND DETAILS
E-92	WIRING PLAN AND DETAILS
E-93	EQUIPMENT MOUNTING PLAN AND DETAILS
E-94	ACCESSORY STRUCTURE PLAN AND DETAILS
E-95	PERMITTING AND CONSTRUCTION DETAILS AND NOTES
E-96	AS-BUILT
E-97	GROUNDING PLAN AND DETAILS
E-98	WIRING PLAN AND DETAILS
E-99	EQUIPMENT MOUNTING PLAN AND DETAILS
E-100	ACCESSORY STRUCTURE PLAN AND DETAILS

**ENGINEER'S STAMP:**  
 [Stamp area for professional seal and signature]

**CONSULTANT TEAM:**  
 [List of team members and roles]

**PROJECT SUMMARY:**  
 THIS PROJECT IS A NEW 160'-0" MONOPOLE TOWER WITH A 3'-0" LIGHTNING ROD. THE TOWER WILL BE CONSTRUCTED BY THE WIRELESS GENERAL CONTRACTOR.

**PREPARED FOR:**  
**HORVATH COMMUNICATIONS**  
 7807 EDISON RD.  
 SOUTH BEND, IN 46615

**PREPARED BY:**  
**TeleCAD Wireless**  
 1961 NORTHPOINT BLVD, SUITE 130  
 HIXSON, TN 37343  
 PHONE: 615-241-9000  
 FAX: 423-443-9809

**DRAWING NOTICE:**  
 THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS THE PROPERTY OF TELECAD WIRELESS. NO PART OF THIS DRAWING IS TO 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 TELECAD WIRELESS.

**DRAWN BY:** JAKE  
**CHECKED BY:** DR

**REVISIONS:**

**DATE:** 05/20/14  
**BY:** JAKE  
**DESCRIPTION:** PRELIMINARY REVIEW

**SITE NAME:**  
**ALPENA AIRPORT EAST**

**ADDRESS:**  
 4900 M-32W  
 ALPENA, MI 49707

**COUNTY:**  
 ALPENA

**LATITUDE:**  
 45°03'41.52" N

**LONGITUDE:**  
 83°33'05.82" W

**SITE NUMBER:**  
 HV1616

**SHEET TITLE:**  
 TITLE SHEET

**DRAWING NO:**  
 T-1

**REVISION:**  
 A

**LATITUDE & LONGITUDE**

LATITUDE AND LONGITUDE OF SITE ARE BASED ON NAD 83  
 LATITUDE: 45°03'41.52" N 45 061530"  
 LONGITUDE: 83°33'06.82" W -83 551618"  
 GROUND ELEVATION AT TOWER BASE: 678 NAVD88

**SITE INFORMATION**

**SITE ADDRESS:**  
 4900 M-32W  
 ALPENA, MI 49707

**PROPERTY OWNER:**  
 ALPENA COUNTY  
 CONTACT (ERRIC SMITH OR JESSE OSMER)  
 722 W. CHESTNUT ST.  
 ALPENA, MI 49707

**PARCEL ID**

084-023-000-550-00

**PARENT PARCEL DESCRIPTION (AS PROVIDED)**

ALL THAT CERTAIN PIECE OR PARCEL OF LAND SITUATED IN THE TOWNSHIP OF WILSON, COUNTY OF ALPENA, AND STATE OF MICHIGAN, AND DESCRIBED AS FOLLOWS, TO-WIT:  
 THE SOUTH HALF OF THE SOUTHWEST QUARTER AND THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER, ALL IN SECTION 23, TOWN 31 NORTH, RANGE 7 EAST, WILSON TOWNSHIP, ALPENA COUNTY, MICHIGAN, PARCEL NO. 084-023-000-550-00  
 THIS BEING A PORTION OF THE PROPERTY CONVEYED TO COUNTY OF ALPENA, STATE OF MICHIGAN, A BODY POLITIC OF THE STATE OF MICHIGAN FROM UNITED STATES OF AMERICA, ACTING BY AND THROUGH THE GENERAL SERVICES ADMINISTRATOR IN DEED DATED OCTOBER 5, 1949 AND RECORDED OCTOBER 14, 1949 IN BOOK 108 PAGE 113.

**LEASE AREA DESCRIPTION**

PART OF THE SOUTHEAST 1/4 OF SECTION 23, TOWN 31 NORTH, RANGE 7 EAST, WILSON TOWNSHIP, ALPENA COUNTY, MICHIGAN DESCRIBED AS: COMMENCING AT THE SOUTH 1/4 CORNER OF SAID SECTION; THENCE NORTH 89°07'17" EAST ALONG THE SOUTH LINE OF SAID SECTION A DISTANCE OF 296.12 FEET; THENCE NORTH 00°52'43" WEST A DISTANCE OF 75.00 FEET TO THE NORTH RIGHT OF WAY OF M-32 (150WIDE/PUBLIC); THENCE CONTINUING NORTH 00°52'43" WEST A DISTANCE OF 67.25 FEET; THENCE SOUTH 89°07'17" WEST A DISTANCE OF 13.09 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 00°52'43" EAST A DISTANCE OF 13.30 FEET; THENCE SOUTH 89°07'17" WEST A DISTANCE OF 60.00 FEET; THENCE NORTH 00°52'43" WEST A DISTANCE OF 70.00 FEET; THENCE NORTH 89°07'17" EAST A DISTANCE OF 60.00 FEET; THENCE SOUTH 00°52'43" EAST A DISTANCE OF 56.70 FEET TO THE POINT OF BEGINNING. CONTAINING 4,200 SQUARE FEET OR 0.096 ACRES.

**ACCESS/UTILITY EASEMENT DESCRIPTION**

AN EASEMENT FOR INGRESS/EGRESS AND THE INSTALLATION AND MAINTENANCE OF UTILITIES OVER/UNDER AND ACROSS ALL THAT PART OF THE SOUTHEAST 1/4 OF SECTION 23, TOWN 31 NORTH, RANGE 7 EAST, WILSON TOWNSHIP, ALPENA COUNTY, MICHIGAN DESCRIBED AS: COMMENCING AT THE SOUTH 1/4 CORNER OF SAID SECTION; THENCE NORTH 89°07'17" EAST ALONG THE SOUTH LINE OF SAID SECTION A DISTANCE OF 296.12 FEET; THENCE NORTH 00°52'43" WEST A DISTANCE OF 75.00 FEET TO THE NORTH RIGHT OF WAY OF M-32 (150WIDE/PUBLIC) AND THE POINT OF BEGINNING; THENCE CONTINUING NORTH 00°52'43" WEST A DISTANCE OF 67.25 FEET; THENCE SOUTH 89°07'17" WEST A DISTANCE OF 13.09 FEET TO THE EAST LINE OF A LEASE AREA; THENCE NORTH 00°52'43" WEST ALONG SAID EAST LINE A DISTANCE OF 50.00 FEET; THENCE NORTH 89°07'17" EAST A DISTANCE OF 43.09 FEET; THENCE SOUTH 00°52'43" EAST A DISTANCE OF 117.25 FEET TO SAID RIGHT OF WAY; THENCE SOUTH 89°07'17" WEST ALONG SAID RIGHT OF WAY A DISTANCE OF 30.00 FEET TO THE POINT OF BEGINNING. CONTAINING 4,172 SQUARE FEET OR 0.096 ACRES.

**NOTES CORRESPONDING TO SCHEDULE B**

THE COMMITMENT FOR TITLE INSURANCE ISSUED BY TOWER TITLE COMMITMENT NO. HCJ-214146-PR WITH AN EFFECTIVE DATE OF NOVEMBER 3, 2025 CONTAINS THE FOLLOWING SURVEY RELATED ITEMS:

- RELEASE OF RIGHT OF WAY BETWEEN HATTIE M. BESSER, AND MICHIGAN STATE HIGHWAY DEPARTMENT, DATED JUNE 19, 1934 AND RECORDED MARCH 31, 1936 IN (BOOK) 78 (PAGE) 122, IN ALPENA COUNTY, MICHIGAN. [SHOWN HEREON]
- AGREEMENT ON MINERAL RIGHTS BETWEEN DEPARTMENT OF CONSERVATION FOR THE STATE OF MICHIGAN AND COUNTY OF ALPENA, DATED MAY 9, 1958 AND RECORDED SEPTEMBER 15, 1958 IN (BOOK) 142 (PAGE) 518, IN ALPENA COUNTY, MICHIGAN. [BLANKET IN NATURE, NOT PLOTTED]

**GENERAL NOTES**

- NO PROPOSED MUNICIPAL SEWER OR WATER UTILITIES ARE REQUIRED FOR THIS SITE.
- THERE WILL BE NO CHANGE IN DRAINAGE PATTERN DUE TO THE PROPOSED INSTALLATION.
- NO SIGNIFICANT RUNOFF IS GENERATED BY THE PROPOSED INSTALLATION.
- THE LEASE AREA SHOWN HEREON MAY BE SUBJECT TO THE REQUIREMENTS OF MICHIGAN PUBLIC ACT 132 OF 1970 AS AMENDED.
- NO HAZARDOUS MATERIALS WILL BE USED, PROCESSED OR STORED AT THE SITE.
- TOWER LIGHTING SHALL CONFORM TO FAA STANDARDS AS REQUIRED.
- ALL WORK SHALL CONFORM TO FAA & FCC REGULATIONS.

**ZONING INFORMATION**

SUBJECT SITE ZONING: AIRPORT DISTRICT

ADJACENT ZONING:  
 NORTH: AIRPORT DISTRICT  
 SOUTH: SINGLE-FAMILY RESIDENTIAL DISTRICT  
 EAST: AIRPORT DISTRICT  
 WEST: AIRPORT DISTRICT

**CERTIFICATION:**

I, MATTHEW T. MOKANYK CERTIFY THAT I HAVE SURVEYED AND MARKED THE PROPOSED TELECOM INSTALLATION AND EXISTING FEATURES, THAT THIS MAP IS A TRUE REPRESENTATION THEREOF AND ALL ACCURACIES ARE WITHIN ACCEPTABLE LIMITS AS PROMULGATED BY THE STATE OF MICHIGAN.

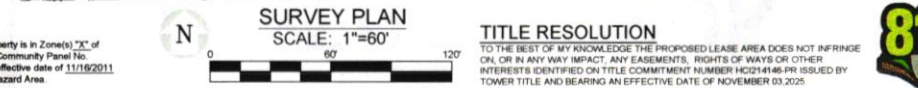
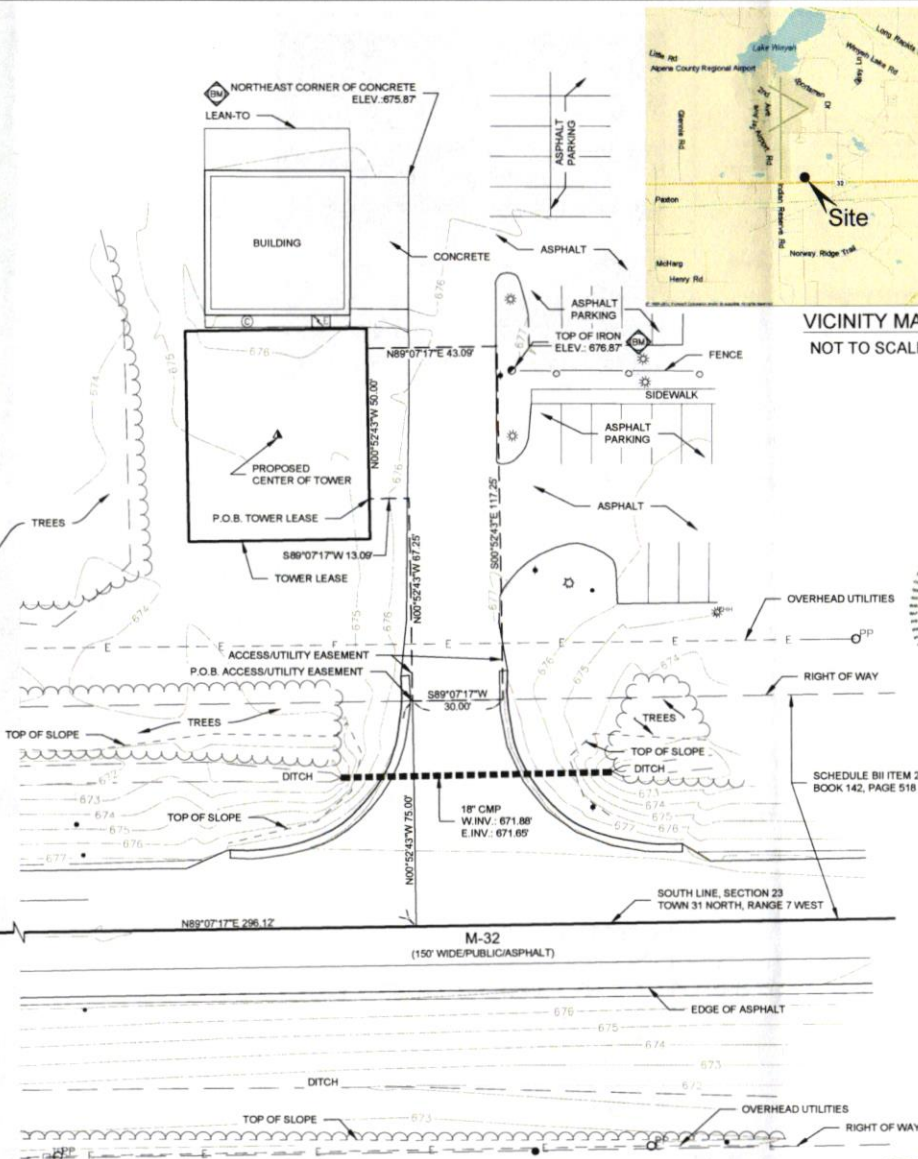
Matthew T. Mokanyk, P.S., P.E.  
 Michigan P.S. No. 4001042063

12/15/25  
 Date

ELEVATIONS ARE BASED ON NAVD88.  
 BEARINGS ARE BASED ON MICHIGAN STATE PLANE COORDINATES, CENTRAL ZONE, NAD 83.

**FLOOD NOTE**

By graphic plotting only, this property is in Zone(s) "X" of the Flood Insurance Rate Map, Community Panel No. 26002C02500, which bears an effective date of 11/16/2011 and is NOT in a Special Flood Hazard Area.



- LEGEND**
- IRON FOUND
  - BRONK SET
  - P.A. NAIL FOUND
  - P.A. NAIL SET
  - GPS MONUMENT
  - MONUMENT BOX FOUND
  - MONUMENT FOUND
  - MONUMENT SET
  - RECORDED
  - MEASURED
  - STORM MANHOLE
  - CATCH BASIN
  - SQUARE CATCH BASIN
  - SANITARY MANHOLE
  - SANITARY CLEAN-OUT
  - MONITOR WELL
  - TELECOM MANHOLE
  - POWER POLE
  - QUIP
  - LIGHT POLE
  - ELECTRIC TRANSFORMER
  - ELECTRIC METER
  - ELECTRIC HANDHOLE
  - WATER VALVE
  - HYDRANT
  - GAS METER
  - GAS MARKER
  - GAS VALVE
  - TELEPHONE PEDESTAL
  - SIGN POST
  - FENCE LINE
  - BENCHMARK
- ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATIONS NOR BE HELD AS IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA.

New Partner, a Delaware Partnership d/b/a

**verizon**  
 wireless

LANDTECH PROJECT NUMBER: 25309032

REV	DATE	DESCRIPTION	REV BY
0	1/31/25	PRELIMINARY DRAWINGS	AR, RLM
1	01/05/26	TITLE	AR, RLM

DRAWING SCALE NOTE: THE DRAWINGS ARE DESIGNED FOR 11x17" (TABLOID/LEGAL) SIZED PAPER. WHERE MUNICIPALITIES REQUIRE 24x36" COPIES OF PRINTS, LANDTECH SHALL PLOT THE DRAWINGS AT A RATIO OF 2:1. ALL SUCH COPIES SHALL HAVE A SCALE 1/2 THE SHOWN SIZE.

**TeleCAD**  
 Wireless

1961 NORTHPOINT BLVD, SUITE 130  
 HIXSON, TN 37343  
 PH: 423-843-9500 FAX: 423-843-9509

**LANDTECH**  
 PROFESSIONAL SURVEYING & ENGINEERING  
 AL, AK, AZ, CA, FL, GA, IL, IN, IA, MI, MN, MO, NE, ND, OH, OK, PA, RI, SC, TN, TX, VA, WI, WV, WY  
 231.943.0050ph 877.820.LAND toll free  
 www.landtechps.com www.towersurveyors.com

**ALPENA AIRPORT**  
 HV1616

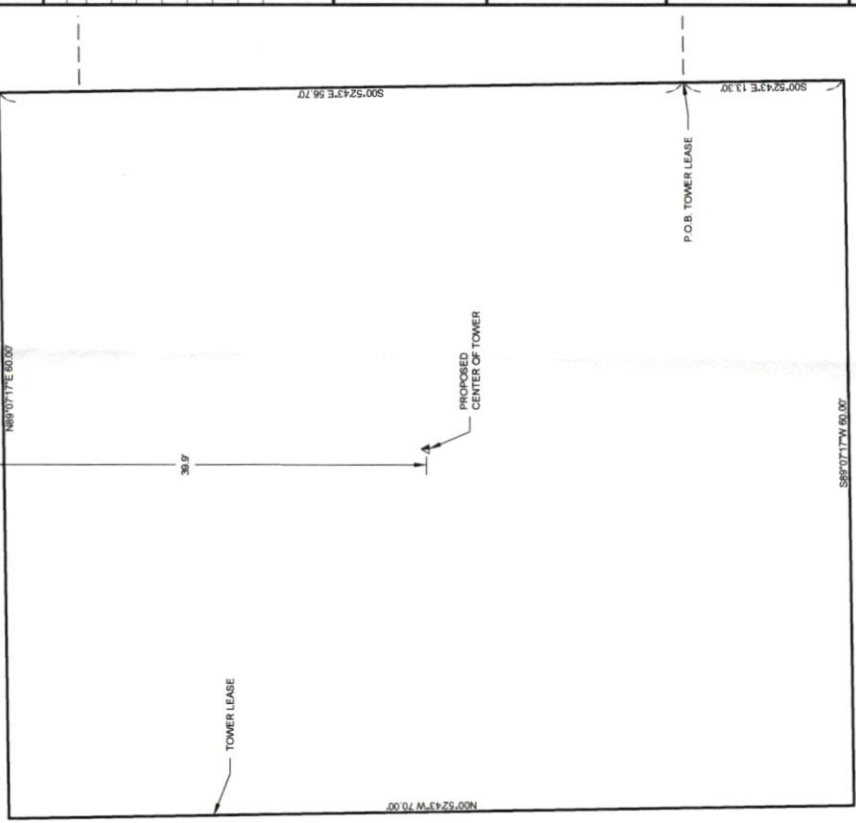
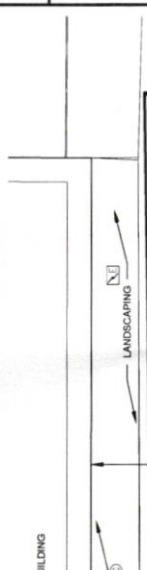
SITE ADDRESS:  
 4900 M-32W  
 ALPENA, MI 49707  
 COUNTY: ALPENA

Sheet Title:  
**SURVEY PLAN**

Sheet Number:  
**S-1**



- 1. FOUNDATION
- 2. FOUNDATION
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- 98. FOUNDATION
- 99. FOUNDATION
- 100. FOUNDATION



**LEASE DETAIL**  
 SCALE: 1"=10'  
 0 10 20

**PARENT PARCEL DETAIL**  
 SCALE: 1"=500'  
 0 500 1000



LANDTECH PROJECT NUMBER 25309032

REV	DATE	DESCRIPTION	REV BY
0	10/16/09	PRELIMINARY DRAWINGS	AK BAH
1	01/09/10	TITLE	AK BAH

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 HIXSON, TN 37343  
 PH: 423-843-9500 FAX: 423-843-9509

**LANDTECH**  
 PROFESSIONAL SURVEYING & ENGINEERING  
 231 S. 4000th St. #111  
 ALPENA, MI 49707  
 PH: 517-343-8888 FAX: 517-343-8889

**ALPENA AIRPORT**  
 HV1616  
 SITE ADDRESS:  
 4900 M-32W  
 ALPENA, MI 49707  
 COUNTY: ALPENA

Sheet Title:  
**SURVEY PLAN**  
 Sheet Number:  
**S-2**

PREPARED FOR:  
**HORVATH COMMUNICATIONS**  
 2807 EDISON RD.  
 SOUTH BEND, IN 46615

PREPARED BY:  
**TeleCAD Wireless**  
 1861 NORTHPOINT BLVD., SUITE 130  
 HUNTSVILLE, AL 35894  
 PH: 423-843-9900  
 FAX: 423-843-5609

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DRAWN BY: JAE  
 CHECKED BY: DS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

ENGINEER'S STAMP  
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SITE NAME:  
**ALPENA AIRPORT EAST**  
 ADDRESS:  
 4800 M-32W  
 ALPENA, MI 48707  
 COUNTY:  
 ALPENA

LATITUDE:  
 45°03'41.52" N  
 LONGITUDE:  
 83°33'05.82" W  
 SITE NUMBER:  
 HV1616  
 SHEET TITLE:  
 OVERALL SITE PLAN

DRAWING NO.	REVISION
C-1	A



PREPARED FOR  
**HORVATH COMMUNICATIONS**  
 2897 EVANSON RD.  
 SOUTH BEND, IN 46715

PREPARED BY  
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 1961 NORTHPOINT BLVD, SUITE 130  
 HIXSON, TN 37343  
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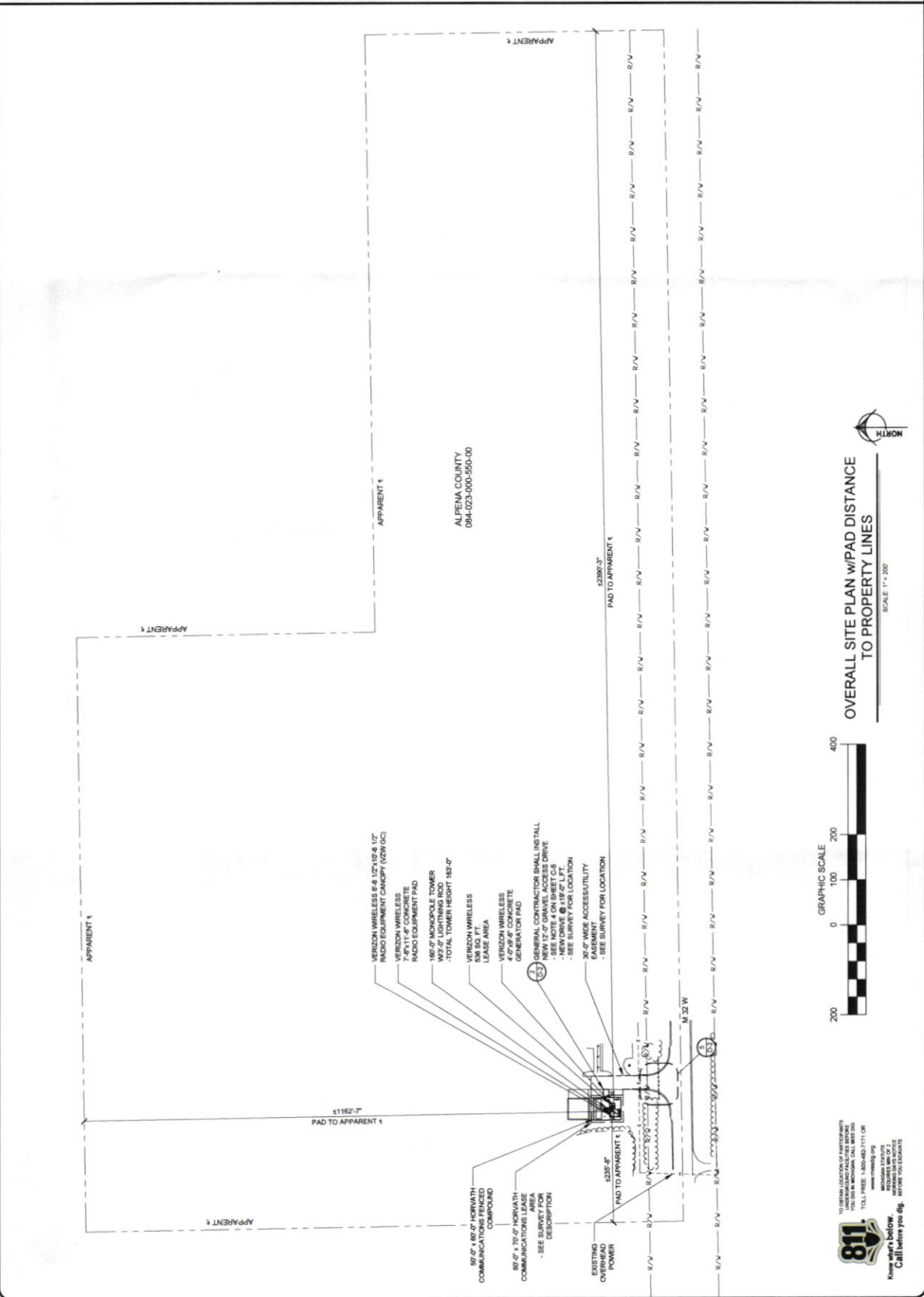
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NO.	DATE	BY	DESCRIPTION
1	05/20/08	JAE	PRELIMINARY REVIEW

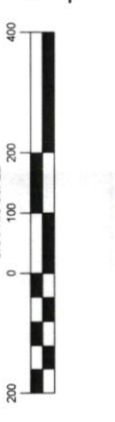
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 NOT TO SCALE  
 SITE NAME: ALPENA AIRPORT EAST  
 ADDRESS: 4900 M-32W ALPENA, MI 49707  
 COUNTY: ALPENA  
 LATITUDE: 45°03'41.52" N  
 LONGITUDE: 83°33'05.82" W  
 SHEET NUMBER: HV1616

REVISIONS



OVERALL SITE PLAN  
 DRAWING NO: C-1A  
 REVISION: A

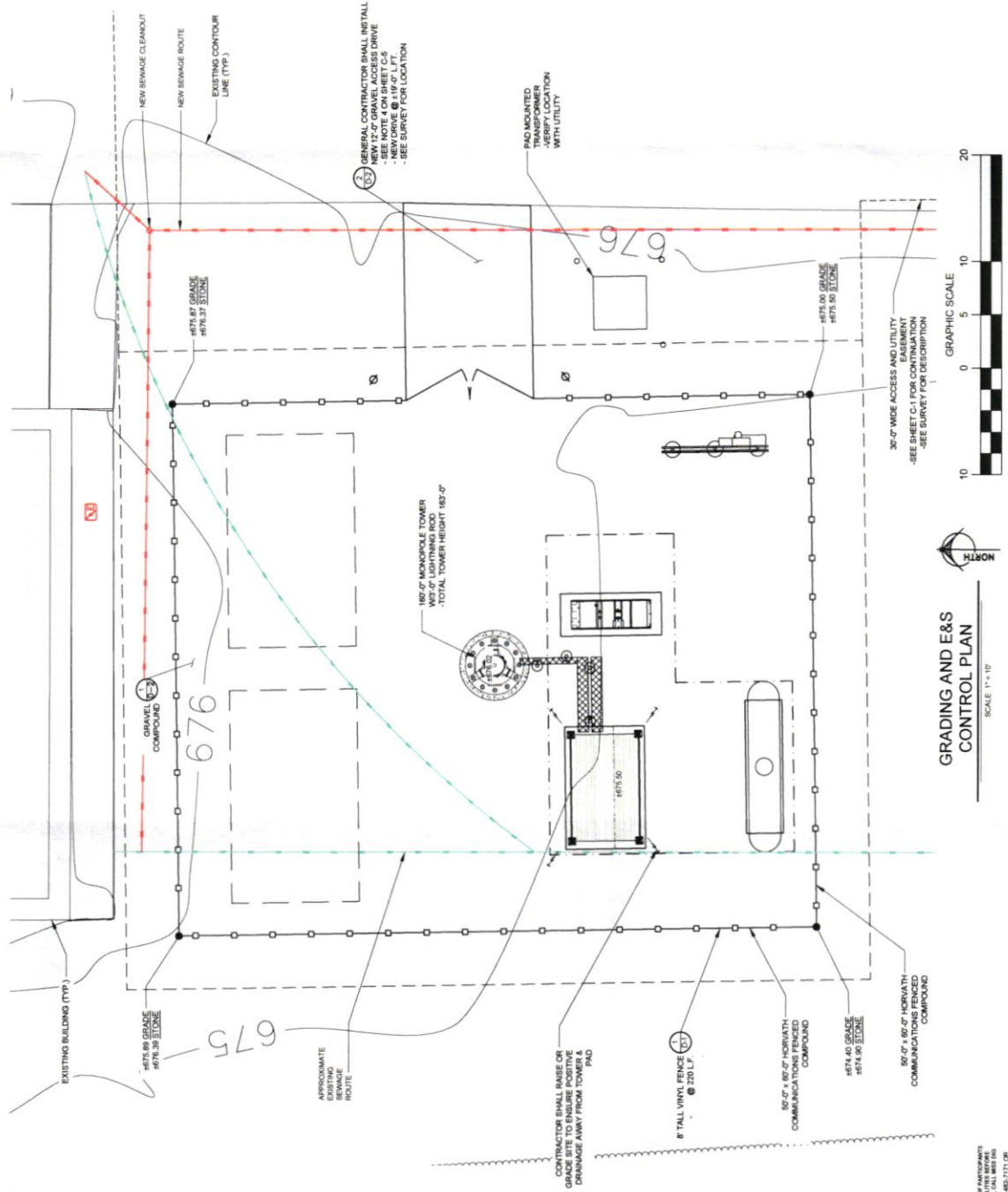


OVERALL SITE PLAN W/PAD DISTANCE TO PROPERTY LINES  
 SCALE 1" = 200'



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 TO OBTAIN LOCATION OF PARTICIPANTS  
 UNDERGROUND UTILITY SERVICES  
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 TOLL FREE: 1-800-482-7171 OR  
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 MICIGAN STATE UNIVERSITY  
 811 CENTER  
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 EAST LANSING, MI 48226

PREPARED FOR 	2807 EDITION RD SOUTH BEND, IN 46715 PREPARED BY 	DRAWING NOTICE THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS THE PROPERTY OF TELECAD WIRELESS. ANY REUSE OR DISSEMINATION OF THIS INFORMATION WITHOUT THE WRITTEN PERMISSION OF TELECAD WIRELESS IS STRICTLY PROHIBITED.	DRAWN BY: JAE CHECKED BY: DR DESIGNED BY:	A. NO. DATE BY DESCRIPTION 1. 11/11/11 JAE PRELIMINARY REVIEW 2. 11/11/11 JAE PRELIMINARY REVIEW	ENGINEER'S STAMP NOT VALID WITHOUT P.E. STAMP & SIGNATURE	SITE NAME <b>ALPENA AIRPORT EAST</b> ADDRESS 4800 M-32W ALPENA, MI 49707 COUNTY ALPENA LATITUDE 45°03'41.52" N LONGITUDE 89°33'05.82" W SITE NUMBER HV1616	SHEET TITLE <b>GRADING AND E&amp;S CONTROL PLAN</b> DRAWING NO. C-2 REVISION A
---	---	--	---	--	--	--	---



GRAPHIC SCALE  
 0 5 10 20  
 10 0 5 10 20

36'-0" WIDE ACCESS AND UTILITY EASEMENT  
 -SEE SHEET C-1 FOR COMPLETION  
 -SEE SURVEY FOR DESCRIPTION

SCALE 1" = 10'

GRADING AND E&S CONTROL PLAN

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 REGISTERED EXPIRES  
 REGISTER YOUR EXCAVATE

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**HORVATH COMMUNICATIONS**  
 7057 BIRKENHEAD  
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REVISIONS

NO.	DATE	BY	DESCRIPTION
A	05/08/08	JAE	PRELIMINARY REVIEW
B			
C			
D			

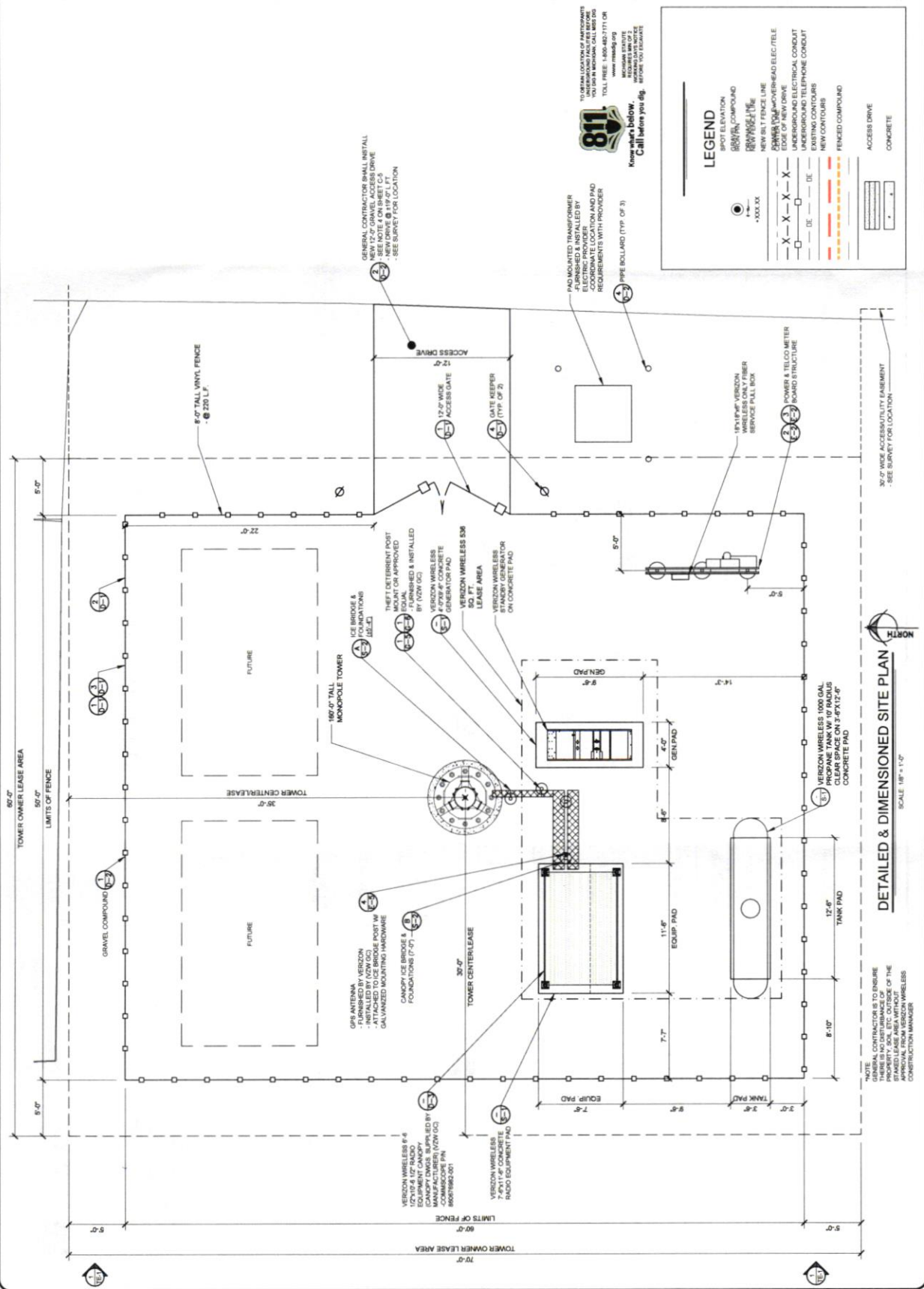
ENGINEER'S STAMP

NOT VALID WITHOUT J.E. STUMP & ASSOCIATES

SITE NAME: ALPENA AIRPORT EAST  
 ADDRESS: 4900 M-32W  
 ALPENA, MI 49707  
 COUNTY: ALPENA  
 LATITUDE: 45°03'41.52" N  
 LONGITUDE: 83°33'05.82" W  
 SITE NUMBER: HV1616

SHEET TITLE: DETAILED & DIMENSIONED SITE PLAN

DRAWING NO: C-3  
 REVISION: A



PREPARED FOR  
**HORVATH COMMUNICATIONS**  
 2307 EDISON RD  
 SOUTH BEND, IN 46615

PREPARED BY  
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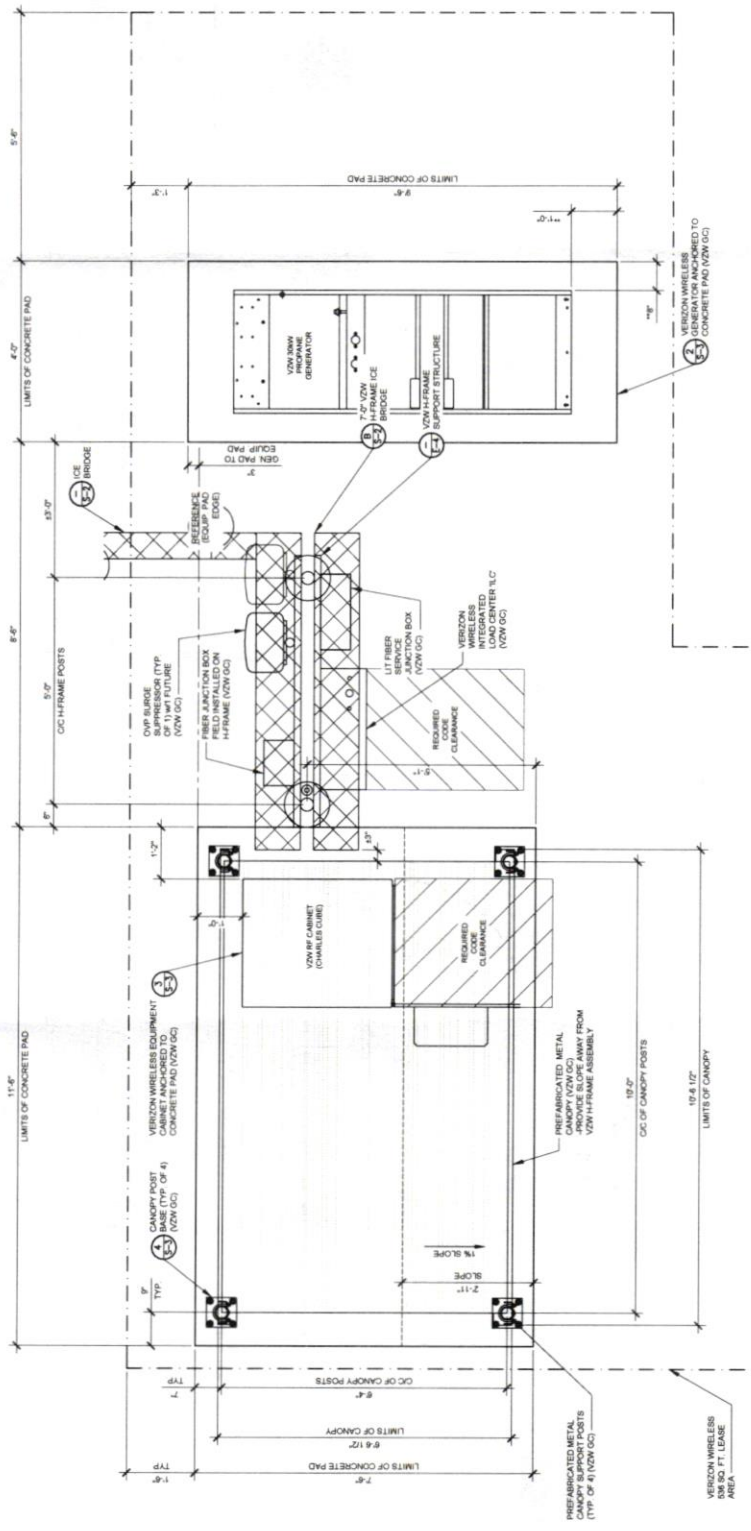
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VERSIONS	
A	REVISED
B	DATE
C	BY
D	DESCRIPTION

ENGINEER'S STAMP

SITE NAME  
**ALPENA AIRPORT EAST**  
 ADDRESS  
 4900 M-32W  
 ALPENA, MI 49707  
 COUNTY  
 ALPENA  
 LATITUDE  
 45°03'41.52" N  
 LONGITUDE  
 83°33'05.82" W  
 SITE NUMBER  
 HV1616

SHEET TITLE  
**DETAILED EQUIPMENT PAD PLAN**  
 DRAWING NO  
 C-4  
 REVISION  
 A



**DETAILED VZW EQUIPMENT PLAN**  
 SCALE: 3/8" = 1'-0"

NOTE:  
 CONTRACTOR SHALL VERIFY CONDUIT STUB-UP LOCATIONS WITH VERIZON WIRELESS. INSTALLATION GENERATOR PLACEMENT MAY VARY PER CONDUIT STUB-UP LOCATIONS.

NOTE:  
 CONTRACTOR IS TO ENSURE THERE IS NO DISTURBANCE OF EXISTING UTILITIES. APPROVAL FROM VERIZON WIRELESS CONSTRUCTION MANAGER.

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 TOLL FREE: 1-800-482-7171 OR  
 www.811indiana.org  
 RECORDS MAY BE  
 KEPT FOR UP TO 1  
 MONTH AFTER  
 CONSTRUCTION  
 IS COMPLETE  
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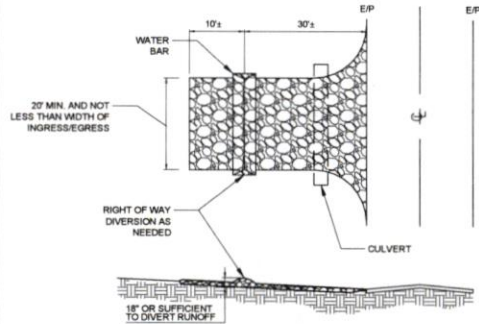
## EROSION & SEDIMENT CONTROL NOTES

- ALL WORK SPECIFIED AS AIA DOT ITEM SHALL BE GOVERNED BY THE STATE OF MICHIGAN OF DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION HANDBOOK. IT IS CONTRACTOR'S RESPONSIBILITY TO POSSESS AND BE FAMILIAR WITH APPLICABLE SECTIONS.
- THIS CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST IF UNFORESEEN STORM WATER POLLUTION PREVENTION IS ENCOUNTERED. ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL CONSERVATION SERVICE REPRESENTATIVE AT ANY TIME. SUCH REQUESTS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED ON THIS SHEET.
- PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 7 DAYS OR MORE. ALL DISTURBED AND ERODED EARTH SHALL BE REGRADED AND SEEDED WITHIN 14 DAYS WITH SEEDING, AS DEFINED ABOVE AND AS SHOWN ON THE TABLE BELOW. TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL, WHERE POSSIBLE, TEMPORARY SEEDING GROWTH SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.

### SEEDING

RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF 4 INCHES OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOO. SHALL BE DONE WITHIN 5 DAYS OF THE COMPLETION OF FINAL GRADING. MINIMUM SEEDING REQUIREMENTS CONSIST OF 200 LBS/ACRE OF SEED, 500 LBS/ACRE OF 10-10-10 ANALYSIS FERTILIZER (OR EQUAL) AND STRAW MULCH AT A RATE OF 1.5 TONS/ACRE (OR EQUIVALENT).

- PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 10 DAYS AT THE COMPLETION OF ANY GRADED AREAS. WEATHER PERMITTING, ALL PERMANENT VEGETATION SHALL CONSIST OF PLANTING AND SOO.
- AT SUCH TIME ROUGH GRADING OF THE SITE IS COMPLETE AND DRAINAGE DIVERTS TO INLETS, INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL INLET STRUCTURES TO KEEP PIPING SYSTEMS FREE OF SILTATION.
- SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING OR NEW STORM INLETS, CATCH BASINS, AND YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
- STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED OR TOPSOIL, STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS SHOWN ON THESE PLANS AND AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
- SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT FENCES SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SHALES SHALL BE REMOVED WITHIN 10 DAYS.
- TEMPORARY SEDIMENTATION AND STORM WATER POLLUTION PREVENTION MEASURES MUST BE INSPECTED AND LOGGED BY THE CONTRACTOR FOR INSPECTION. LOGGING SHALL BE WEEKLY AND AFTER RAIN STORMS.
- UTILITY COMPANIES MUST COMPLY WITH ALL STORM WATER POLLUTION PREVENTION MEASURES AS DEFINED ON THE STORM WATER PREVENTION PLANS, DETAILS AND NOTES.
- THE TOTAL AREA OF DISTURBANCE FOR THIS PROJECT IS APPROXIMATELY 0.074 ACRES.
- ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION AS SHOWN ON PLANS.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 7 DAYS OF FINAL GRADING.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES.
- ALL STORM WATER POLLUTION PREVENTION PRACTICES WILL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
- THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE USED ON THIS SITE:
  - SILT BARRIERS
  - SILT FENCE
  - CONSTRUCTION ENTRANCE
  - EROSION CONTROL SEED BLANKETS - SPEC FOR TEMPORARY EROSION CONTROL BLANKETS ON SLOPES/STORMS

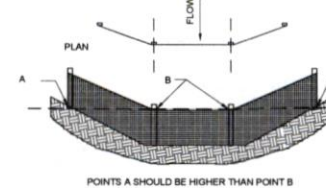
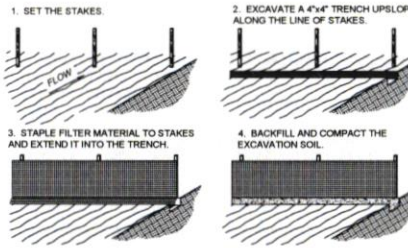


### NOTES:

- STONE SIZE - TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- THE CONSTRUCTION ENTRANCE SHALL COINCIDE WITH THE PROPOSED DRIVE AS SHOWN ON THE PLAN.
- PAVEMENT THICKNESS - STONE LAYER SHALL BE AT LEAST 6" THICK.
- DRIVEWAY WIDTH - THE ENTRANCE SHALL BE AT LEAST 10' WIDE, BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS/EGRESS OCCURS.
- BEDDING - A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A TENSILE STRENGTH OF AT LEAST 200 LBS. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LBS.
- CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
- WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
- MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND, MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- CONSTRUCTIONS ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SHALL BE RESTRICTED FROM MUDDY AREAS.

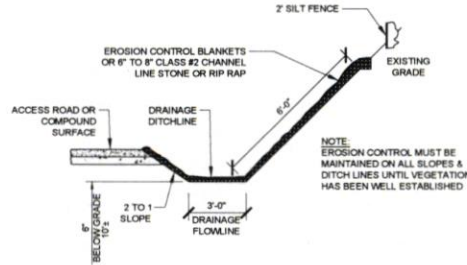
## TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

SCALE: N.T.S.



## SILT FENCE DETAIL

SCALE: N.T.S.



### NOTES:

- WHEN FACED WITH SLOPES LESS THAN 2 TO 1 SLOPES, ALL SLOPES SHOULD BE DOZER TRACKED PRIOR TO SEEDING. ALL SLOPES SHOULD HAVE EROSION CONTROL BLANKETS OR RIP RAP EMBEDDED ON SLOPE SURFACES TO REDUCE EROSION.
- ALL FLOWLINES MUST BE INSTALLED BELOW SUB-GRADE OF COMPOUND, (AT MINIMUM OF 6" BELOW)

## DRAINAGE DITCHLINE DETAIL (SWALE)

SCALE: N.T.S.



## CONSTRUCTION SEQUENCE

- STAKE AND/OR FLAG LIMITS OF CLEARING
- DURING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED.
- CLEARING & GRUBBING, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS.
- INSTALL SILT FENCE PERIMETER CONTROLS AS SHOWN ON PLANS.
- INSTALL CONSTRUCTION ENTRANCE. IF CONDITIONS ARE SUCH THAT MUD IS COLLECTION ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD INTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
- CLEARING & GRUBBING THE REMAINING SITE AS NECESSARY.
- BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.
- CONSTRUCT AND MAINTAIN TEMPORARY DRAINAGE SWALES DURING FILLING AND GRADING ACTIVITIES.
- CONSTRUCT SITE WORK INCLUDING STORM DRAINAGE FACILITIES.
- MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED.
- REMOVE SEDIMENT CONTROLS.

PREPARED FOR:



2307 EDISON RD  
SOUTH BEND, IN 46615

PREPARED BY:



1961 NORTHPOINT BLVD, SUITE 130  
HIXSON, TN 37343  
PH: 423-843-9500  
FAX: 423-843-9509

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CHECKED BY: DS

REVISIONS

NO.	DATE	BY	DESCRIPTION
A	05/13/08	JAE	PRELIMINARY REVIEW

ENGINEER'S STAMP

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SITE NAME:

ALPENA AIRPORT EAST

ADDRESS:

4900 M-32W  
ALPENA, MI 49707

COUNTY:

ALPENA

LATITUDE:

45°03'41.52" N

LONGITUDE:

83°33'05.82" W

SITE NUMBER:

HV1616

SHEET TITLE:

EROSION CONTROL NOTES

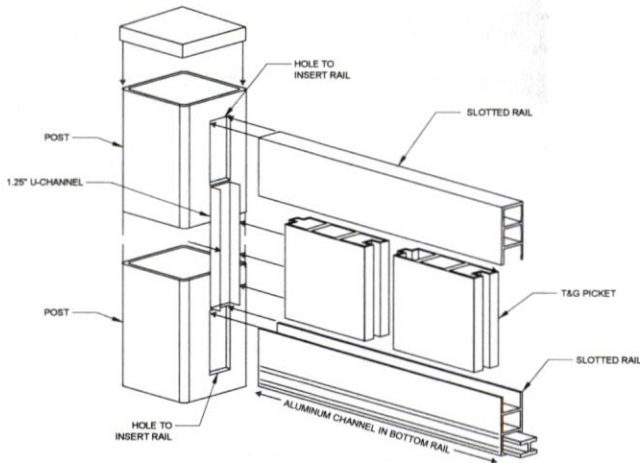
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C-6

REVISION:

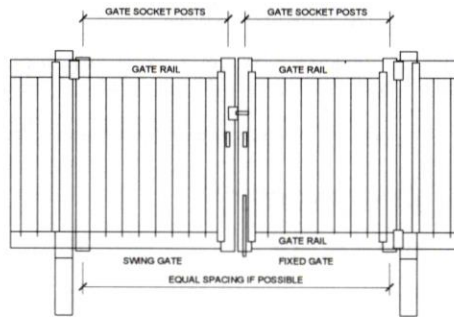
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**TYPICAL VINYL FENCE INSTALLATION DETAIL**

SCALE: N.T.S.

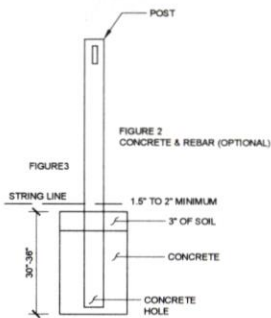


**VINYL DOUBLE GATE DETAIL**

SCALE: N.T.S.

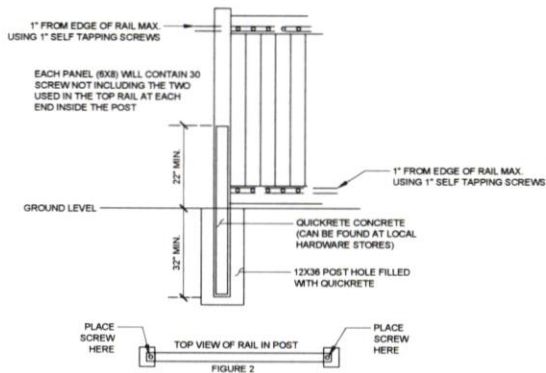
TYPICAL VINYL FENCE INSTALLATION DETAILS. MANUFACTURER TO BE DETERMINED BY CONTRACTOR TO MEET HORVATH'S REQUIREMENTS. CONTRACTOR TO FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

NOTE:  
IF THE FENCE IS OVER 6' TALL OR LOCATED IN A HIGH WIND AREA IT IS RECOMMENDED THAT THE POST IS FILLED HALF WAY UP WITH CONCRETE AFTER THE PANELS ARE INSTALLED. PRIOR TO INSTALLING PANELS INTO THE POSTS, TAPE THE LOWER RAIL TO PREVENT CONCRETE BACKFLOW.



**HIGH WIND INSTALLATION**

SCALE: N.T.S.

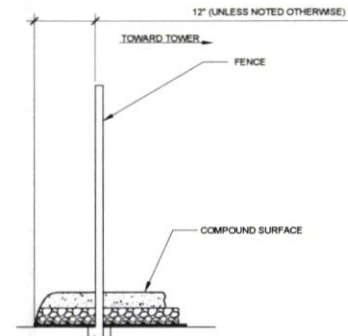


**SCREW PLACEMENT: HIGH WIND INSTALLATION**

SCALE: N.T.S.

**VINYL FENCING NOTES**

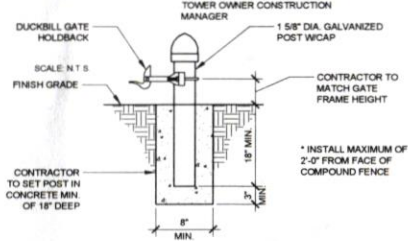
1. FOLLOW VINYL FENCE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. BOTTOM OF CONCRETE BASE SHALL BE SET BELOW FROST LINE (SEE LOCAL CODE). CONCRETE BASE IS RECOMMENDED MINIMUM AND SHOULD BE REDESIGNED FOR CONDITIONS WHERE SOIL IS POOR. PROVIDE CONCRETE WITH A 28 DAY STRENGTH OF 4000 PSI (MIN.).
3. SURVEY LAND FOR SPECIAL FEATURES SUCH AS OBSTRUCTIONS, UNDERGROUND CABLES, OR CONCRETE FROM OLD FENCES. BE SURE TO FOLLOW ALL LOCAL BUILDING CODES AND OBTAIN A BUILDING PERMIT (IF NECESSARY). CONTACT LOCAL UTILITIES PRIOR TO DIGGING.
4. INSTALL THE LINE STAKES (SECURE STAKES FIRMLY) AND RUN A STRING LINE 1.5\"/>



**SITE AREA SURFACING**

SCALE: N.T.S.

NOTE:  
ALTERNATE FENCE STOPS ARE ACCEPTABLE. TO BE APPROVED BY TOWER OWNER CONSTRUCTION MANAGER.



**GATE KEEPER DETAIL**

SCALE: N.T.S.

PREPARED FOR:



2307 EDISON RD  
SOUTH BEND, IN 46615

PREPARED BY:



1961 NORTHPOINT BLVD, SUITE 130  
HIXSON, TN 37343  
PH: 423-843-9500  
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DRAWN BY: JAE  
CHECKED BY: DS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	05/13/08	JAE	PRELIMINARY REVIEW

ENGINEER'S STAMP:

NOT VALID WITHOUT P.E. STAMP & SIGNATURE

SITE NAME:  
**ALPENA AIRPORT EAST**

ADDRESS:  
4900 M-32W  
ALPENA, MI 49707

COUNTY:  
ALPENA

LATITUDE:  
45°03'41.52" N

LONGITUDE:  
83°33'05.82" W

SITE NUMBER:  
HV1616

SHEET TITLE:  
**FENCE DETAILS AND NOTES**

DRAWING NO: D-1  
REVISION: A

PREPARED FOR: **ORVATH COMMUNICATIONS**  
2907 EDISON RD.  
SOUTH BEND, IN 46615

PREPARED BY: **TeleCAD Wireless**  
1961 NORTHPOINT BLVD, SUITE 130  
HUNTSVILLE, TN 37403  
TEL: 423-444-3700  
FAX: 423-943-5609

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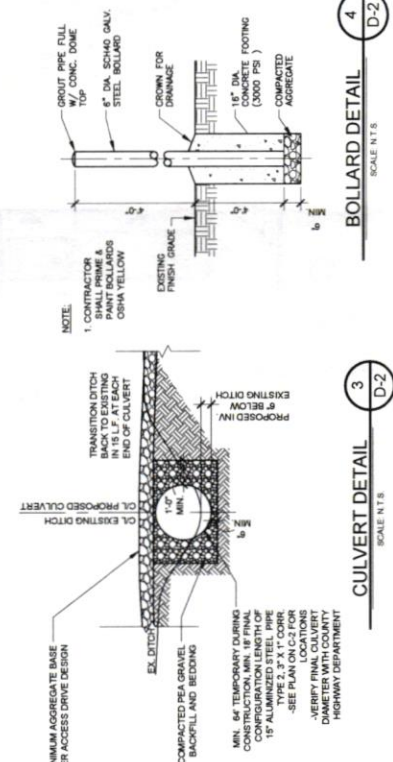
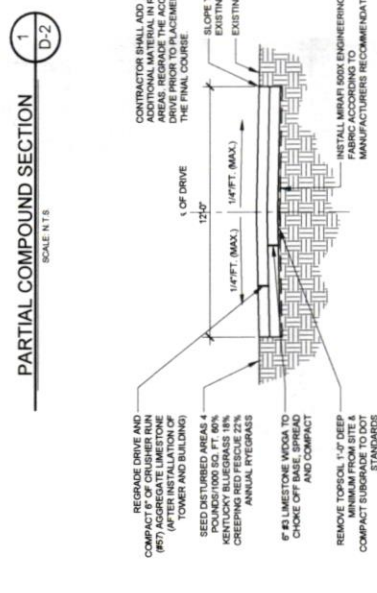
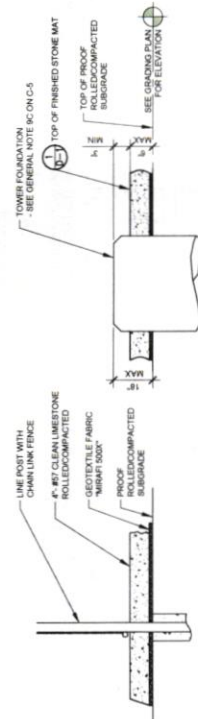
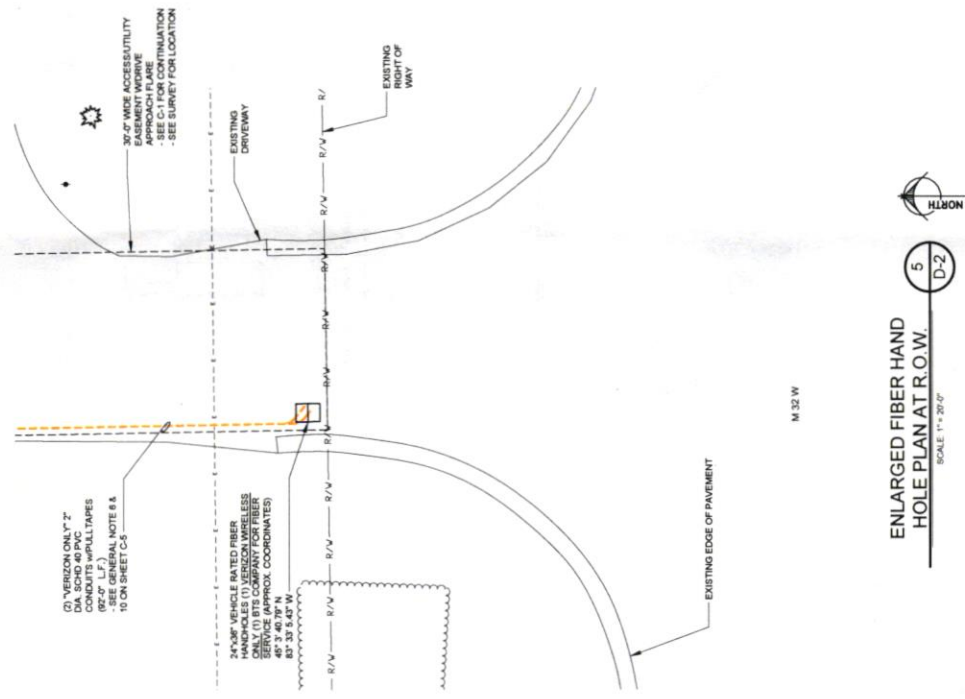
NO.	DATE	BY	DESCRIPTION
A	05/10/08	JAE	PRELIMINARY REVIEW

ENGINEER'S STAMP

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SITE NAME: **ALPENA AIRPORT EAST**  
ADDRESS: 4900 M-32W  
ALPENA, MI 49707  
COUNTY: ALPENA  
LATITUDE: 45°03'41.52" N  
LONGITUDE: 83°33'05.82" W  
SITE NUMBER: HV1616

SHEET TITLE: **SITE DETAILS**  
DRAWING NO: D-2  
REVISION: A



PREPARED FOR



1801 NORTHPOINT BLVD, SUITE 130  
HOUSTON, TN 37343  
TEL: 615-882-2200  
FAX: 615-882-2209

PREPARED BY



1801 NORTHPOINT BLVD, SUITE 130  
HOUSTON, TN 37343  
TEL: 615-882-2200  
FAX: 615-882-2209

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NO.	DATE	BY	DESCRIPTION
1	03/12/08	JAE	PRELIMINARY REVIEW
2			
3			
4			
5			
6			
7			
8			

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER & SURVEYOR

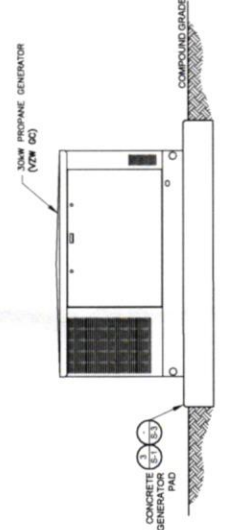
SITE NAME: ALPENA AIRPORT EAST  
ADDRESS: 4900 M-32W ALPENA, MI 49707  
COUNTY: ALPENA  
LATITUDE: 45°03'41.52" N  
LONGITUDE: 83°33'05.82" W  
SITE NUMBER: HV1616

SHEET TITLE: EQUIPMENT AND CANOPY ELEVATIONS

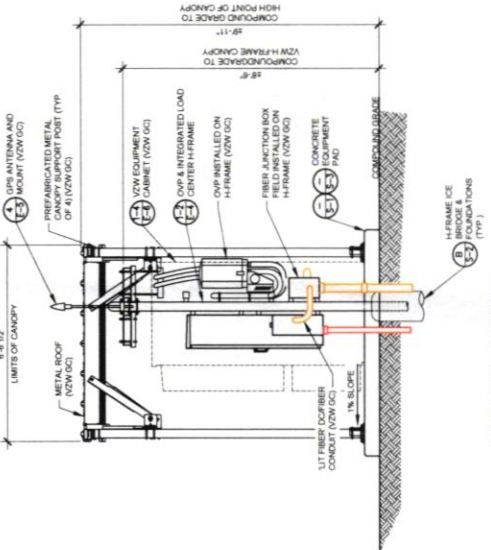
DRAWING NO: D-3

REVISION: A

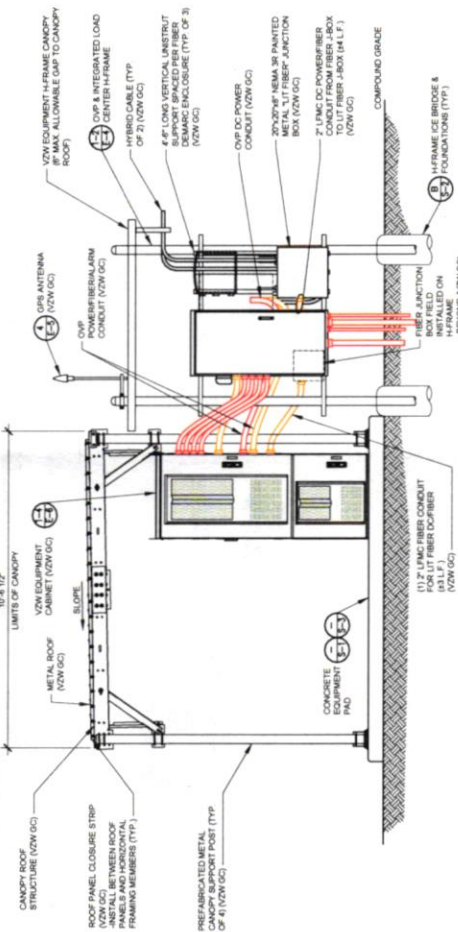
NOTE:  
CANOPY ROOF PANELS PROFILE BEAMS PROVIDE 1% DENSITY POLYETHYLENE FOAM INSULATION. ALL UTILITY CONDUITS SHALL BE PROTECTED BY 3/4" ALUMINUM CHANNEL PATENTED "ST. CLONAR" STRIPS OR EQUAL. ALL CANOPY ROOF PANELS SHALL BE SUPPLIED WITH CANOPY.



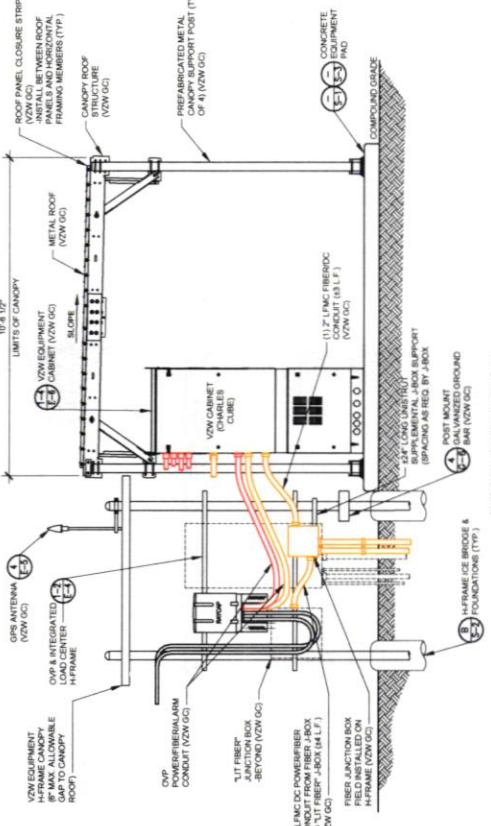
GENERATOR ELEVATION  
SCALE: 1/4" = 1'-0"



RIGHT ELEVATION  
SCALE: 1/4" = 1'-0"



FRONT ELEVATION  
SCALE: 1/4" = 1'-0"



REAR ELEVATION  
SCALE: 1/4" = 1'-0"

NOTE:  
ALL CANOPY ROOF PANELS SHALL BE SUPPLIED WITH CANOPY. ALL UTILITY CONDUITS SHALL BE PROTECTED BY 3/4" ALUMINUM CHANNEL PATENTED "ST. CLONAR" STRIPS OR EQUAL. ALL CANOPY ROOF PANELS SHALL BE SUPPLIED WITH CANOPY.

**SIGNAGE FOR EACH GENERATOR FUEL TYPE:**

**STANDARD SITE SIGNAGE:**

REQUIRED SIGNS	LOCATIONS
(C1) • N.O.C. "IN CASE OF EMERGENCY"	FRONT ACCESS
(C2) • NOTICE (CONTACT INFO)	FRONT ACCESS SHEET (SEE FIGURE 1)
(C3) • COMBINATION WARNING (SEE NOTE 2)	HANG ON UPPER DOOR OF EACH CABINET WITH BATTERIES (SEE FIGURE 1)
(C4) • COMBINATION WARNING (SEE NOTE 2)	HANG ON UPPER DOOR OF EACH CABINET WITH BATTERIES (SEE FIGURE 1)
(C5) • S.D.S.	INSIDE FRONT ACCESS CABINET WITH BATTERIES

N.O.C. STANDS FOR "NETWORK OPERATIONS CENTER"  
S.D.S. STANDS FOR "SAFETY DATA SHEET"

**NOTES:**

- CONTRACTOR SHALL INSTALL ALL SIGNS ON THE FRONT OF EACH CABINET. ALL SIGNS CAN BE PLACED ON ONLY THE UPPER DOOR IF SPACE IS AVAILABLE.
- CONTRACTOR SHALL INSTALL SIGN (C3) OR (C4) BASED ON THE TYPE OF BATTERY THAT IS BEING INSTALLED.

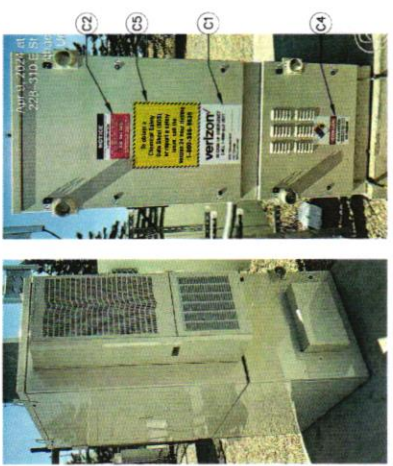


FIGURE 1 - EQUIPMENT CABINET SIGNAGE

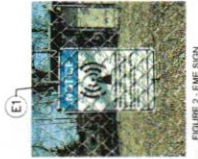


FIGURE 2 - E.M.E. SIGN

**PROPANE GENERATOR**

REQUIRED SIGNS	LOCATIONS
• "DANGER PROPANE"	INSTALL ON PROPANE TANK (SEE FIGURE 7)
• HAZARD DIAMOND	INSTALL ON PROPANE TANK (SEE FIGURE 7)
• "DANGER PROPANE"	INSTALL ON GENERATOR
• NOTICE SIGN	INSTALL ON GENERATOR



FIGURE 7 - PROPANE TANK & GENERATOR SIGNAGE

**E.M.E. SIGNAGE NOTES:**

VZW DC SHALL VERIFY WITH THE VERIZON NETWORK ENGINEER THAT THE SIGNAGE REQUIRED FOR ANY SIGNAGE IF REQUIRED IN ACCORDANCE WITH THE SITE SPECIFIC E.M.E. REPORT AND MOUNT AS APPROPRIATE FOR THE SIGN LOCATION.

PREPARED FOR:  
**HORVATH COMMUNICATIONS**  
207 EDDON RD  
SOUTH BEND, IN 46715

PREPARED BY:  
**TeleCAD Wireless**  
1861 NORTHPOINT BLVD, SUITE 130  
HOUSTON, TX 77043  
TEL: 409-943-6600  
FAX: 409-943-6589

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DRAWN BY: JAE  
CHECKED BY: DR

NO.	DATE	BY	DESCRIPTION
A	04/03/2018	JAE	PRELIMINARY REVIEW

ENGINEER'S STAMP

18715 WOODCROFT ST. STAMP & SIGNATURE  
SITE NAME: **ALPENA AIRPORT EAST**  
ADDRESS: 4900 M-32W  
ALPENA, MI 49707  
COUNTY: ALPENA  
LATITUDE: 45°03'41.52" N  
LONGITUDE: 83°33'05.82" W  
SITE NUMBER: HV1616

SHEET TITLE:  
VZW SIGNAGE

DRAWING NO.: D-4 (VZW)  
REVISION: A





PREPARED BY  
**TeleCAD Wireless**  
 1801 NORTHPOINT BLVD, SUITE 130  
 HIXSON, TN 37343  
 PH: 423-643-6000  
 FAX: 423-643-6008

DRAWING NO. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 REVISIONS

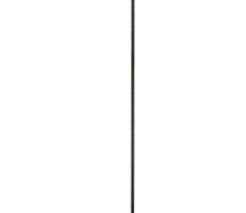
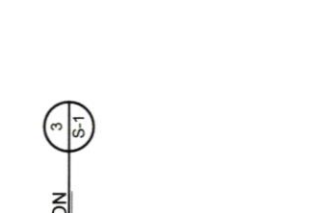
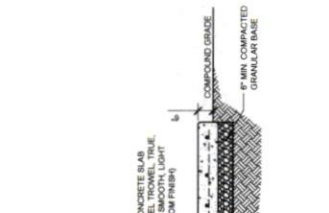
NO.	DATE	BY	DESCRIPTION
A	05/10/11	JAE	PRELIMINARY REVIEW
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Y			
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ENGINEER'S STAMP  
 NOT VALID WITHOUT P.E. STAMP & SIGNATURE  
 SITE NAME: ALPENA AIRPORT EAST  
 ADDRESS: 4900 M-32W ALPENA, MI 49707  
 COUNTY: ALPENA  
 LATITUDE: 45°03'41.52" N  
 LONGITUDE: 83°33'05.82" W  
 SITE NUMBER: HV1616

SHHEET NO. \_\_\_\_\_  
 EQUIPMENT PAD FOUNDATION PLAN  
 DRAWING NO. S-1  
 REVISION A

**STRUCTURAL NOTES**

- CABINET SYSTEM DESIGN LOADS:  
 60 PSF  
 ROOF SNOW LOAD  
 110 MPH  
 BASIC WIND SPEED  
 DESIGN CODES: BUILDINGS AND OTHER STRUCTURES: ASCE 7-10, ASCE 7-16  
 ANTENNA SUPPORTS, RELATED APPURTENANCES AND TOWERS: TIA-568, TIA-222-H AND TIA-222-G
- BUILDING FOUNDATION SYSTEM:  
 THE SUBSURFACE REPORT WAS PROVIDED BY XYZ ENGINEERING, INC., DATED MONTH DAY, YEAR.  
 ALLOWABLE BEARING CAPACITY: BLDG. FOOTINGS: 4000 PSF  
 ALL CONTRACTORS SHALL EXERCISE GREAT CARE DURING EXCAVATION. ALL CONTRACTORS SHALL DETERMINE UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY IF DEVIATION FROM PLANS EXIST.  
 THE SUBSURFACE REPORT IS NOT TO BE CONSIDERED AS A COMPLETE RECORD OF EXISTING SITE CONDITIONS, INCLUDING SUBSURFACE CONDITIONS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE OWNER PRIOR TO SITE ENTRY FOR THE PURPOSE OF CONDUCTING SOIL TESTING AND VERIFICATION OF EXISTING CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND BACKFILL TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1587.
- CONCRETE WORK:  
 CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED BY A QUALIFIED CONCRETE TESTING COMPANY. THE GENERAL CONTRACTOR SHALL PROVIDE ONE (1) CYLINDER PER 1000 CY OF CONCRETE. THE GENERAL CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF TESTING RESULTS TO VERION WIRELESS AND TOWER OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND BACKFILL TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1587.  
 LATEST EDITION OF ACI 318 - BLDG. FOUNDATION  
 MICHAEL - REINFORCING: ASTM A615, GRADE 60  
 ANCHOR BOLTS: ASTM F1554 A307  
 2" x 4" SILLUMP  
 REINFORCING COVERS: TOP: 3"  
 BOTTOM/SIDES: 2"  
 REINFORCING EMBEDMENT AND LAP SPICES (INCHES) FOR 4000 PSI CONCRETE:  
 BAR SIZE: #4: ANCHORAGE: 12", SPICE (OTHER): 20", ANCHORAGE (TOP): 30", SPICE (TOP): 33"  
 CHAMFER TOP CORNERS OF ALL FOUNDATIONS (3/4")
- BURIED CABLE LOCATIONS INFORMATION:  
 CONTACT MISSING 811 48 HRS. PRIOR TO DIGGING, GRADING, OR DRILLING 1-800-482-7111 OR 811  
 ADDITIONAL CONCRETE NOTES:  
 1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 308, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" AND ACI 309, 308 AND 307 UNLESS NOTED OTHERWISE.  
 2. ALL DETAILING, FABRICATION AND PLACING OF CONCRETE SHALL CONFORM TO ACI 318-11.  
 3. ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 6% (1%) AIR ENTRAINMENT.  
 4. PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.



**811**  
 Know what's below.  
 Call before you dig. BEFORE YOU EXCAVATE

TO OBTAIN LOCATION OF PARTICIPATING UTILITIES OR TO REPORT A PROBLEM, CALL 811 OR TOLL FREE 1-800-482-7111 OR www.811.org

PREPARED FOR  
**FORVATH COMMUNICATIONS**  
 2907 EDDISON RD.  
 SOUTH BEND, IN 47203

PREPARED BY  
**TeleCAD Wireless**  
 1981 NORTHPOINT BLVD, SUITE 130  
 HIXSON, TN 37343  
 TEL: 423-343-9900  
 FAX: 423-343-9909

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DRAWN BY	AE		
CHECKED BY	DS		
REVISIONS			
NO.	DATE	BY	DESCRIPTION
1			PRELIMINARY REVIEW
2			REVISION

ENGINEER'S STAMP

SCALE: 3/8" = 1'-0"

SITE NAME  
**ALPENA AIRPORT EAST**

ADDRESS  
 4900 M-32W  
 ALPENA, MI 49707

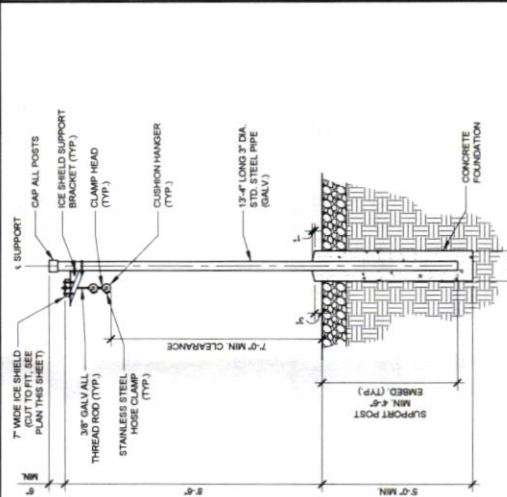
COUNTY  
 ALPENA

LATITUDE  
 45°03'41.52" N

LONGITUDE  
 83°33'05.82" W

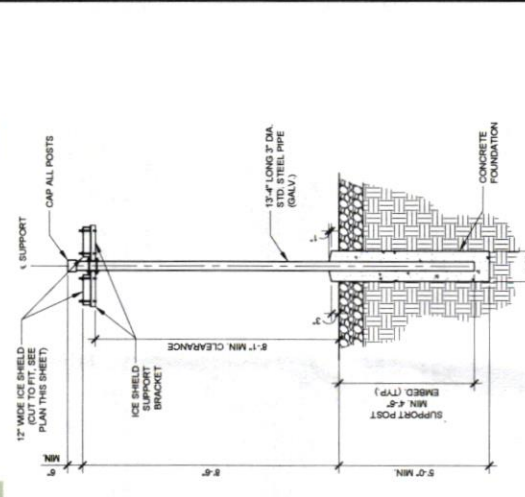
SITE NUMBER  
 HV1616

SHEET TITLE	ICE BRIDGE PLAN
DRAWING NO.	S-2
REVISION	A

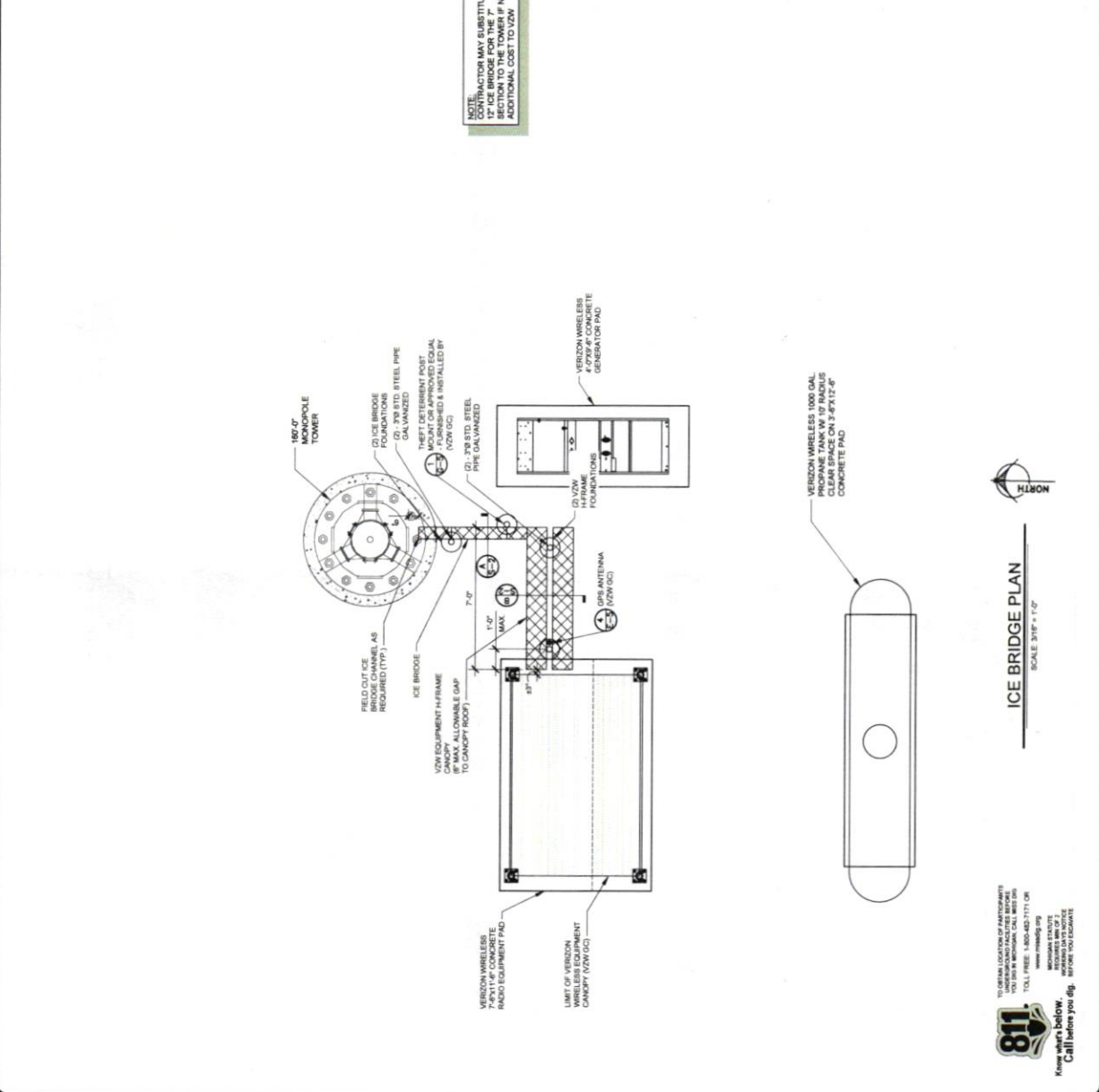


**A**  
 ICE BRIDGE SECTION  
 SCALE: 1/4" = 1'-0"

NOTE: CONTRACTOR MAY SUBSTITUTE 12\"/>



**B**  
 VZW H-FRAME CANOPY SECTION  
 SCALE: 1/4" = 1'-0"



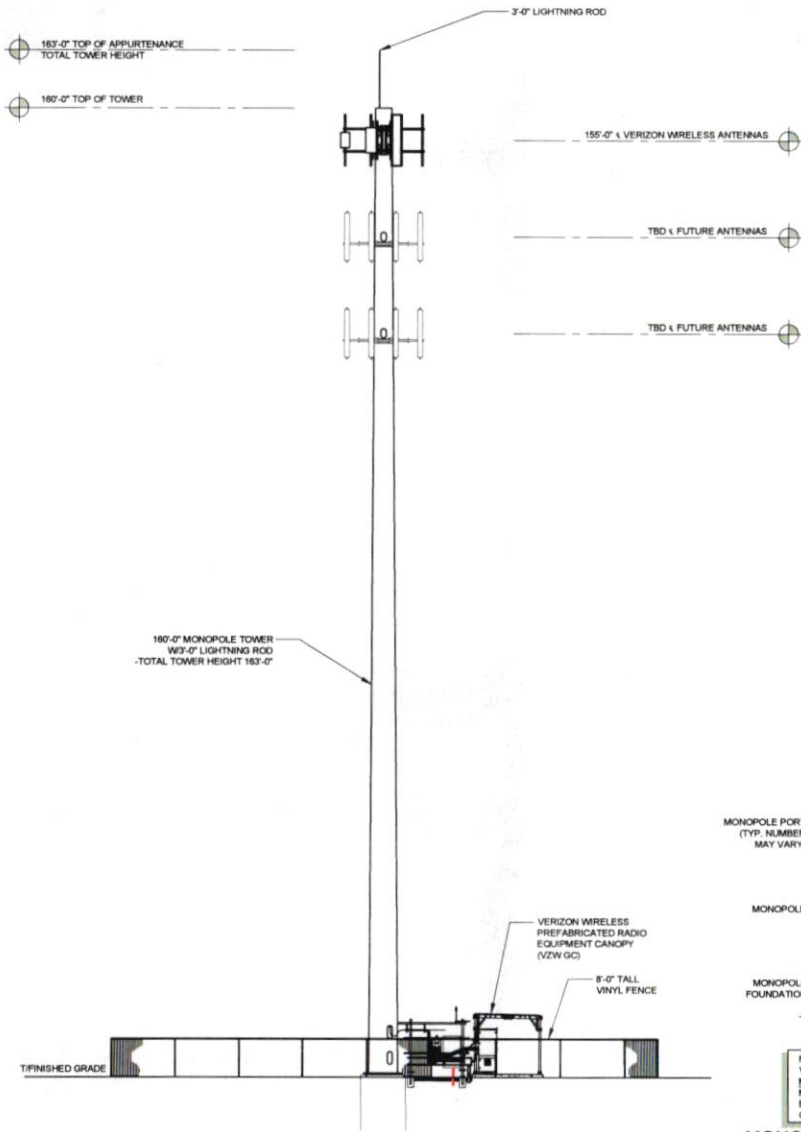
**ICE BRIDGE PLAN**  
 SCALE: 3/8" = 1'-0"

**811**  
 Know what's below. Call before you dig. BEFORE YOU DIG

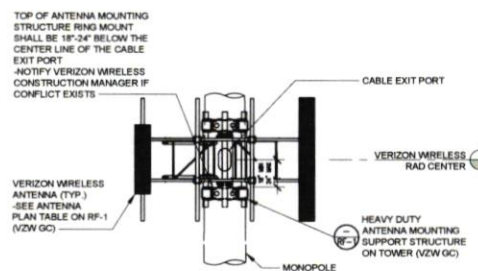
TO OBTAIN LOCATION OF APPROPRIATE UTILITY LINES YOU MUST IN ADVANCE CALL 811 OR TOLL FREE: 1-800-483-1171 OR VISIT 811.MI.GOV

VERIZON WIRELESS IS AN EQUAL OPPORTUNITY PROVIDER OF SERVICES. WE DO NOT DISCRIMINATE ON THE BASIS OF RACE, GENDER, NATIONAL ORIGIN, RELIGION, ANCESTRY, AGE, SEX, OR HANDICAP.

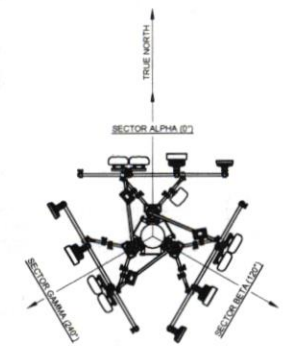




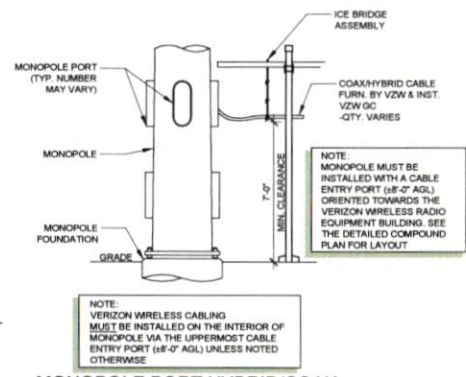
**TOWER ELEVATION** 1  
SCALE: N.T.S. TE-1



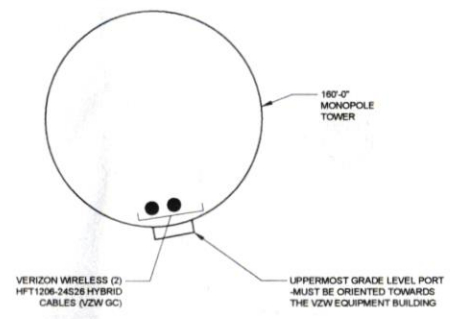
**ANTENNA SUPPORT STRUCTURE INSTALLATION DETAIL** 2  
TE-1



**ANTENNA ORIENTATION VIEW** 2  
SCALE: N.T.S. TE-1



**MONOPOLE PORT HYBRID/COAX CABLE INSTALLATION DETAIL** 3  
TE-1



**COAX PLAN**  
SCALE: N.T.S.

**NOTE:**

- IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY VERIZON LEGAL BUSINESS ENTITY @/w/ VERIZON WIRELESS (VZW GC)
- ALL TOWER LIGHTING SHALL BE INSTALLED AS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION AND RECOMMENDED BY THE USFWS INTERIM GUIDELINES (2000) FOR LIGHTING OF TOWERS OVER 200' IN HEIGHT.

PREPARED FOR

2307 EDISON RD  
SOUTH BEND, IN 46615

PREPARED BY

1961 NORTHPOINT BLVD, SUITE 130  
HIXSON, TN 37343  
PH: 423-843-9500  
FAX: 423-843-9506

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CHECKED BY: DS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	05/13/08	JAE	PRELIMINARY REVIEW

ENGINEER'S STAMP

NOT VALID WITHOUT P.E. STAMP & SIGNATURE

SITE NAME: ALPENA AIRPORT EAST  
ADDRESS: 4900 M-32W ALPENA, MI 49707  
COUNTY: ALPENA  
LATITUDE: 45°03'41.52" N  
LONGITUDE: 83°33'05.82" W  
SITE NUMBER: HV1616

SHEET TITLE: TOWER ELEVATION

DRAWING NO: TE-1	REVISION: A
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### **PUBLIC NOTICE**

Notice of Initiation of the Section 106 Process-Public Participation in accordance with the FCC's Nationwide Programmatic Agreement. Horvath Communications intends to construct a communications facility at an address 4900 M-32W, Wilson Township, Alpena County, Michigan (Latitude: 45° 03' 41.52"N and Longitude: 83° 33' 05.82"W). The facility will include a monopole telecommunications tower with an overall height of 163 ft. and associated equipment. Horvath Communications is publishing this notice in accordance with Federal Communications Commission regulations (47 CFR § 1.1307) for Section 106 of the National Historic Preservation Act (NHPA) and for the National Environmental Policy Act (NEPA). We respectfully request that parties interested in commenting on this Federal undertaking relative to potential effects on cultural or historic properties should contact GSS, Inc., 3311 109<sup>th</sup> Street, Urbandale, IA 50322; Ph. (515) 331-2103 within 30 days of the posting of this notice. (GSS #W26310)

The above text will be published June 17, 2026 in The Alpena News.  
At this time, we have not received the Affidavit.