OTSEGO COUNTY PLANNING COMMISSION SPECIAL MEETING

October 26, 2015 6:00 PM

MEETING WILL BE IN THE PLANNING AND ZONING MEETING ROOM LOCATED AT 1322 HAYES ROAD

- 1. CALL TO ORDER
- 2. ROLL CALL
- 3. PLEDGE OF ALLEGIANCE
- 4. APPROVAL OF MINUTES: None
- CONSENT AGENDA: None
- 6. OTHER: None
- 7. PUBLIC PARTICIPATION FOR ITEMS NOT ON THE AGENDA: (Please identify yourself for the record. All comments will be limited to two (2) minutes)
- 8. PUBLIC HEARINGS:
 - 1. Wolverine Power Supply Cooperative Inc, owner is requesting a site plan review for property located in Hayes Township:

5542 Van Tyle Rd/071-003-400-030-00

071-003-300-020-00

071-003-300-025-04

Property is located in a FR/Forest Recreation Zoning District PZPR15-002- proposed use of the property is the installation of a transmission substation

- 9. ADVERTISED CASES:
 - 1. Wolverine Power Supply Cooperative Inc, owner is requesting a site plan review for property located in Hayes Township:

5542 Van Tyle Rd/071-003-400-030-00

071-003-300-020-00

071-003-300-025-04

Property is located in a FR/Forest Recreation Zoning District
PZPR15-002- proposed use of the property is the installation of a transmission substation

- 10. UNFINISHED COMMISSION BUSINESS:
 - 1. Verizon Wireless Tower/247 Old State Rd/PSUP14-003 Extension
- NEW BUSINESS
- 12. REPORTS AND COMMISSION MEMBER'S COMMENTS
- 13. ADJOURNMENT

VANTYLE TRANSMISSION STATION PROJECT



Application for Site Plan Review Narrative and Supplemental Information to Otsego County Zoning Ordinance

Submitted October 7, 2015 Prepared by Joe Hughes Land Management Supervisor



Section 23.2: APPLICATION FOR SITE PLAN REVIEW

Section 23.2.1.__: The application shall include the following information:

Applicant's name, address, telephone:

Wolverine Power Supply Cooperative, Inc. Joe Hughes, Land Management Supervisor 10125 W. Watergate Rd.

Cadillac MI 49601 T: 231-775-5700

E: jhughes@wpsci.com

2. Proof of property ownership.

The subject parcels are owned by Wolverine. Closings on the property purchases were held in June, 2015. Deeds for the subject parcels are included in Appendix 1. There are no liens on the properties as evidenced by the included copes of the Schedule B from each title commitment policy in Appendix 1 with each Deed.

3. Signed statement that applicant is the owner of the property or officially acting on the owner's behalf.

I hereby swear that Wolverine Power Supply Cooperative is the owner of the subject property, as evidenced by the attached warranty deeds in Appendix 1, and that I am submitting this application for a site plan review on behalf of Wolverine Power Supply Cooperative, Inc:

Joseph W. Hughes Land Management Supervisor

4-8. Name and addresses and Project Title:

Project Title: VanTyle Transmission Station.
Owner, Applicant, Developer: Wolverine Power

Property Info:

Address: 5542 VanTyle Road, Hayes Twp.
Parcel ID Nos: Parcel 1: 003-400-030-00
Parcel 2: 003-300-020-00

Parcel 3: 003-300-025-01 (addressed parcel)

Professionals Involved:

Electrical Engineer

Civil Engineer Charles Christy, P.E.

Jon Johnson
Wolverine Power

Wade-Trim, Inc.

10125 W. Watergate Rd.

46 Haywood Street, Suite 334

Cadillac MI 49601

Asheville, NC 28801



9. Project Description:

The <u>LOCATION</u> of the proposed *VanTyle Transmission Station* in Hayes Township, Otsego County is located in Section 3 and northeast of the VanTyle and Coppins Road intersection. The driveway would be off of VanTyle Road from *Parcel 3* and the physical location of the transmission station would be on *Parcels 1 and 2* and be approximately 1,700 feet north of VanTyle Road and over one-half mile east of Coppins Road. It would also be approximately 1,900 feet west of Hayes Tower Road and 1,500 south of Alba Road.

Several maps and aerial photos are also attached in Appendix 2 to help show current conditions and the proposed changes to the subject property. A set of Site Plan Review drawings are also attached to show the features specified in the Site Plan Review requirements of the Zoning Ordinance.

The <u>NEED</u> for the proposed VanTyle Transmission Station is due to Wolverine's new Alpine Power Plant currently under construction in Elmira Township, Otsego County. The new power plant will supply power at 138,000 volts via two transmission lines which will connect with the proposed VanTyle Transmission Station. The new transmission lines would be built on Wolverine's existing right-of-way corridor that runs from the existing Elmira Distribution Substation and across the proposed site for the VanTyle Transmission Station.

The <u>PRIMARY FUNCTIONS</u> of the proposed VanTyle Transmission Station will be to connect the Alpine Power Plant to Wolverine's existing electric transmission system. Its second function will be to connect the power plant to and existing International Transmission Company ("ITC") 138,000 transmission line which crosses Parcel 3 south of the proposed transmission station. The interconnection to the ITC transmission system will provide improved transmission reliability for both utility companies.

The new transmission station <u>DIMENSIONS</u> around the perimeter security fence will be 372 feet x 380 feet which equates to approximately 3.25 acres. The total acreage of Parcels 1 and 2 on which the transmission station will be built is 63.5 acres. The driveway crosses Parcel 3 from VanTyle Road which adds an additional 56.5 acres.

The transmission station will be built in accordance with Wolverine's current design standards which incorporates greater equipment spacing and large vehicle access lanes for improved personnel safety and electrical reliability. This design standard creates a larger substation footprint than Wolverine's existing older stations but reduces the height of the substation equipment. Nearly all of the structures and equipment will be less than 26 feet high. The <u>TALLEST</u> <u>STRUCTURES</u> in the substation will be two lightning protection columns that will be approximately 70 feet tall plus a 2" mast that extends and additional 9.75 feet.



There will also be several structures for the transmission line terminations inside the transmission station fence. These "H-frame" structures will be approximately 55 feet tall plus a 9.75 foot long lightning mast (2" dia.) above the H-frame column. The Site Plan Review drawings show the height and locations of the substation equipment on Sheets 3 and 5.

There will be an equipment enclosure building called the "Control House", as shown on the attached Site Plans. The dimensions of this enclosure will be 28'W x 60'L x 14.6'H and is used protect electrical metering and other control equipment from the weather. The typical color of the corrugated steel siding is tan. No other buildings will be located on the property. Utility personnel will routinely visit the substation twice per month for inspections and meter reading. No personnel will be stationed at the substation.

10. Vicinity Map

The Site Plans include a Vicinity Map on Sheet C-0.0.

11. Gross and Net Acreage of the Project:

The total acreage of the subject property is 120 acres for the three parcels. The acreage of the developed area, including the grading areas, temporary construction laydown area along the driveway, and the graveled driveway and parking pad at the transmission station, and turf grass areas, is 16.9 acres.

12. Land Uses, zoning classification, and existing structures on the subject and adjoining parcels:

Subject Parcels:

The three subject parcels are all zoned Forestry Recreation and are vacant except for gas production wells and pipelines and Wolverine's existing 69kV transmission line. Parcels 1 and 2 have been historically used for timber production by the previous owner. There is a portion of the Otsego County Zoning Map and an aerial photo map with property lines that show the general area in Appendix 2.

Adjoining Parcels:

The adjoining parcels north of VanTyle Road are all zoned Forestry Recreation. There is a small parcel of State Land north of Parcel 1 and large parcel of State Land south of Parcel 3 and VanTyle Road, as shown on the attached Zoning Map. the land uses of the adjoining parcels are either vacant or rural residential. There is also a natural gas injection well property surrounded by Parcel 3. The attached aerial photo map identifies the vacant and residential properties surrounding the subject property.



13. Project completion schedule:

The construction work would commence in the fall of 2015 and be completed by July of 2016. Site Restoration would primarily include spreading topsoil and grass seeding would be completed by the summer of 2016 after construction activities have finished.

Section 23.2.2 - Site Plan Requirements

The following narrative provides additional information for items listed in Section 23.2.2 of the Otsego County Zoning Ordinance that are not shown on *Site Plan Review* drawings or that are not applicable to the proposed use of the subject parcel for an electric transmission substation. Additional maps, drawings, and photos are also included in the Appendix to provide supplemental information that may not be shown on the *Site Plan – Proposed Changes*.

 Proposed and existing property lines, dimensions, setback lines, monument locations are all shown on the Site Plan.

This information is shown on the included Site Plan Review drawings.

Topographic elevations are shown on the Site Plan in one- foot intervals.
 This information is shown on the included Site Plan Review drawings.

3. Type of existing soils at proposed storm water retention basins.

The following is an excerpt from the geotechnical site evaluation performed by SME, Inc., at the subject property.

SOIL CONDITIONS

The soil conditions generally consisted of about 10 to 13 inches of topsoil underlain by natural sands to the explored depths of the borings. The natural sands exhibited very loose to dense conditions. However, beginning about 18 to 23 feet beneath the ground surface, the sands exhibited medium dense to dense conditions. The soil profile described above and included on the attached boring logs is a generalized description of the conditions encountered. The stratification depths described above and shown on the boring logs indicate a zone of transition from one soil type to another and do not show exact depths of change from one soil type to another. Soil conditions may vary between and away from the boring locations.

GROUNDWATER CONDITIONS

Groundwater was not encountered during or upon completion of drilling at the borings. Groundwater was not encountered about 24 hours after completing borings B1 and B2. Based on the granular nature of the subgrade soils at the site, we judge the site groundwater level to be beneath the explored depth of the borings at the time of our field exploration.

4. Location and type of existing significant vegetation.

The vegetation cover is a combination of mature red pine and hardwoods which both have a dense understory regrowth of tree brush. Parcel 1 and 2 are entirely wooded with a combination of mature red pine or hardwoods. Parcel 3 $\,$



has approximately five acres of mature hardwoods north of the adjoin gas injection well property, scattered pines ranging from 10 to 50 feet tall across the majority of the property with the remainder being open fields that the pines are slowly repopulating. There are also rows of mature red pine at the VanTyle Road driveway entrance parallel to the entire length of the driveway that will access the transmission station.

There will be a minimum of a two hundred foot buffer of existing mature red pine and hardwood trees left remaining around the proposed transmission station development area on Parcel 1. The pines are hardwoods were previously harvested from the interior portions Parcel 1, except for the 200' perimeter buffer. Also, all existing mature red pine trees will remain in the triangular north of the Wolverine transmission line and the proposed transmission station.

5. Location and elevations of existing water courses and water bodies.

There are no regulated water courses or water bodies on the proposed site or within 50 feet of the site.

6. Location of existing and proposed buildings and intended uses.

A new control house in the substation is shown on the *Site Plan Review Set*, *Sheet C-2.1*. Its dimensions are 28'W x 60'L x 14.6'H and is used protect electrical metering and other control equipment from the weather. The typical color of the corrugated steel siding is tan. No other buildings will be located on the property. *Sheet 38559-L3* provides elevation and dimension specifications for the control house.

7. Proposed location of accessory structures, buildings and uses.

No other accessory structures or buildings will be used.

8. Location of existing public and private easements.

This information is shown on the included Site Plan Review drawings.

Location and dimensions of proposed streets, drives, curb cuts, access easements.

This information is shown on the included Site Plan Review drawings.

10. Location, design, and dimensions of existing and/or proposed curbing, barrier free access, carports, parking areas, and fire lanes.

Only a parking area is included in the site use and it is shown on the included *Site Plan Review* drawings. This area is used for large vehicle and equipment parking during maintenance activities within the substation. Typical vehicles and equipment can include bucket trucks, flat bed semi-trailers, crane, pickup trucks, etc.



11. Location, size and characteristics of all loading and unloading areas.

No such areas are included in the proposed use.

12. Location and design of sidewalks, walkways, bike paths, and areas for public use.

No such facilities or areas are included in the proposed use.

13. Location of water supply lines and/or wells, and the location of retention ponds.

A storm water retention basin is shown on the Site Plan Review Set, Sheet C2.1.

14. Location of other utilities, including but not limited to, natural gas, electric, cable TV, fiber optics, and telephone.

This information is shown on the included Site Plan Review drawings.

15. Proposed location, dimensions and details of common open spaces and common facilities, etc.

No such facilities or areas are included in the proposed use.

16. Location, size and specifications of all signs.

Wolverine will install a 20" x 30" No Trespassing sign at the driveway entrance at VanTyle Road on a wood post that will be approximately four feet above grade. See Sheet 991 in the attached drawing set for the sign specifications.

17. Exterior lighting locations with area of illumination illustrated, type of fixtures and downward shielding to be used.

There will only be two yard lights on at night located on the north and south sides of the control house building. The light fixture will be an LED, flat-glass design with full cut-off optics to prevent the horizontal spread of light. Sheet C-2.1 shows the yard light locations on the sides of the Control House and mounted approximately nine feet above grade. The specific fixture has not been selected yet so the illumination pattern is not available at this time.

18. Location and type of fencing, walls, or other screening devices.

A four-strand smooth wire fence that is approximately 48 inches high will be installed along the property lines. A seven foot high chain link fence with barb wire cradles will be installed around the perimeter of the substation equipment, as shown on Sheets 5E6000-84 and -88 provides the security fence specifications.

19. Location and specifications of all perimeter and internal landscaping and other buffer features.

No new landscaping is proposed for the subject property. Because Parcel 1 has mature trees throughout the entire parcel and a minimum two hundred foot buffer of remaining trees will surround the property perimeter, additional landscape plantings will not be utilized. The understory of the property is densely populated



with tree brush which will also screen the substation from view. The nearest houses to the substation are approximately 1,300 to the northwest and south, 1,600 feet to the east, and 2,800' to the west.

20. Location and size of trash receptacles.

No such equipment will be used or needed for the proposed use.

21. Location and specifications for any existing or proposed above or below ground storage facilities for any chemicals, salts, flammable or hazardous materials.

There will be no storage facilities used or required for chemicals, salts, flammable or hazardous materials at the proposed use.

22. Identification of any significant site amenities or unique natural features.

It is Wolverine's belief that there are no such amenities or unique natural features at the subject parcel. The site is characterized by mature red pines, hardwoods, immature scotch pines, and open fields.

23. Identification of any significant views onto or from the site or from adjoining areas.

It is Wolverine's belief that there are no such views given the common tree cover types and flat terrain.

APPENDIX SECTION

APPENDIX 1 – DEEDS AND TITLE COMMITMENTS (Sch. B)

OTSEGO COUNTY				
TREASURER'S OFFICE	ł	7	1)

I hereby certify that according to our records all taxes returned to this office are paid for five years preceding the date of this instrument. This does not include taxes in the process of local collection, board of review, PRE denial or tax tribunal.

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Linda Saraent, Deput, COUNTY TREASURER



LIBER 1378

PAGE 561



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OTSEGO COUNTY
JULY 1, 2015
RECEIPT #23552

MICHIGAN \$ 147.40-00
REALESTATE \$ 1005.00-ST
IRANSIERTAX STAMP = 9484

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS: That Thomas A. Drysdale and Sally Jo Hodgdon, husband and wife, whose address is 5510 Renner Road, Shawnee, KS 66217

Convey(s) and Warrant(s) to Wolverine Power Supply Cooperative, Inc., a Michigan nonprofit corporation., whose address is 10125 W. Watergate Road, Cadillac, MI 49601

the following described premises:

Land situated in the Township of Hayes, County of Otsego, State of Michigan described as:

Commencing at the South 1/4 corner of Section 3, Township 30 North, Range 4 West; thence North 00°08'02" East 1343.16 feet along the North-South 1/4 line to the Point of Beginning; thence North 87°40'05" West 1299.16 feet along the South 1/8 line of said Section 3; thence North 00°17'03" East 776.08 feet along the West 1/8 line of said Section 3; thence South 87°55'07" East 1296.91 feet; thence North 00°08'02" East 561.32 feet along the North-South 1/4 line to the Center of said Section 3; thence South 87°55'07" East 1314.20 feet along the East-West 1/4 line of said Section 3; thence South 00°13'30" West 1337.65 feet along the East 1/8 line of said Section 3; thence North 88°09'20" West 1311.90 feet along the South 1/8 line of said Section 3 to the Point of Beginning.

Tax Parcel No.: 071-003-300-020-00 and 071-003-400-030-00

For the sum of One Hundred Thirty Three Thousand Eight Hundred Dollars and No Cents (\$133,800.00) subject to the existing building and use restrictions, easements, and zoning ordinances of record, if any.

Seller reserves all oil, gas and mineral rights. However, Seller shall not have the right to disturb the surface of the Premises in any way to develop or explore for such oil, gas and minerals. Specifically, and not by way of limitation, neither Seller nor its assigns shall have the right to place additional wells, pipelines, roadways or other equipment or facilities on or under the surface, or disturb the surface of the Premises in any way.

The grantor grants to the grantee the right to make All Available division(s) under section 108 of the Land Division Act, Act. No. 288 of the Public Acts of 1967. This property may be located within the vicinity of farmland or a farm operation. Generally accepted agricultural and management practices which may generate noise, dust, odors, and other associated conditions may be used and are protected by the Michigan Right to Farm Act.

Dated June 24, 2015

Thomas A. Drysdale

Sally Jo Modgdon

State of Michigan

ŚSS

County of Otsego

On this <u>23</u> day of June, 2015, before me personally appeared Thomas A. Drysdale to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

· · · · · · · · · · · · · · · · · · ·	
ASHLEE ALVESTEFFER	. Notary Public
Notary Public-State of Kansas	County, SMichiganate of

SCHEDULE B

File No.: 412237 Policy No.: O-9301-003435496

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees, or expenses that arise by reason of:

- 1. Taxes or special assessments which are not shown as existing liens by the public records or which constitute a lien, but are not yet due and payable.
- 2. Any and all oil, gas, mineral, exploration and extraction rights, and/or reservations thereof which may or may not be recorded.
- Taxes and assessments that become a lien against the property after date of closing. The Company assumes no liability for tax increases occasioned by retroactive revaluation, changes in the land or usage or loss of any homestead exemption status for the insured premises.
- Loss or damages sustained or incurred by the insured by reason of a lack of a right of access to and from said land.
- 5. Lease as set forth in Miscellaneous Liber 7, Page(s) 387, Otsego County Records.
- 6. Right of Way granted to Northern Michigan Electric Cooperative, Incorporated, and recorded in Miscellaneous Liber K, Page 513, Otsego County Records.
- 7. Oil and Gas Lease granted to W. B. Phillips as set forth in Liber 127, Page(s) 260 -263, Otsego County Records.
- 8. Oil and Gas Lease granted to Transocean Oil, Inc. as set forth in Liber 280, Page(s) 68-69, Otsego County Records.
- Oil and Gas Lease granted to Peak Petro Title Service as set forth in Liber 504, Page(s) 837-838, Otsego County Records.
- Release and Right-Of-Way granted to Mercury Exploration Company as set forth in Liber 561, Page(s) 595- 597, Otsego County Records.

Stewart Title Guaranty Company



OTSEGO (COUNTY
TREASURER	S OFFICE

Gaylord, Mich.,

I hereby certify that according to our records all taxes returned to this office are paid for five years preceding the date of this instrument. This does not include taxes in the process of local collection, board of review, PRE denial or tax tribunal



PAGE 820



OTSEGO COUNTY MICHIGAN RECEIVED FOR RECORD SUSANDEFEYIER CLEIMPEGISTER OF DEFENS 06/25/2015 1:52:34 PM



OTSEGO COUNTY JUNE 25. 2015 RECEIPT #5449 MICHIGAN \$ REAL ESTATE

169.40-CL 1155.00-ST 9461

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS: That Gerald D. Ebeling and Virginia L. Ebeling, as Trustee(s) of the Gerald D. Ebeling and Virginia L. Ebeling Trust u/a dated April 19, 2002, whose address is 2999 Lake George Rd, Oxford, MI 48370

Convey(s) and Warrant(s) to Wolverine Power Supply Cooperative, Inc., a Michigan nonprofit corporation, whose address is 10125 West Watergate Road, Cadillac, MI 49601

the following described premises:

SEE EXHIBIT "A" ATTACHED HERETO

Tax Parcel No.: Part of 071-003-300-028-01 (071-003-300-025-01 New Number for 2016)

For the sum of One Hundred Fifty Three Thousand Seven Hundred Dollars and No Cents (\$153,700.00) subject to the existing building and use restrictions, easements, and zoning ordinances of record, if any,

Seller reserves all oil, gas and mineral rights. However, Seller shall not have the right to disturb the surface of the Premises in any way to develop or explore for such oil, gas and minerals. Specifically, and not by way of limitation, neither Seller nor its assigns shall have the right to place additional wells, pipelines, roadways or other equipment or facilities on or under the surface, or disturb the surface of the Premises in any way without written permission from Buyer, which shall not be unreasonable withheld, conditioned, or delayed.

The grantor grants to the grantee the right to make all available division(s) under section 108 of the Land Division Act. Act. No. 288 of the Public Acts of 1967. This property may be located within the vicinity of farmland or a farm operation. Generally accepted agricultural and management practices which may generate noise, dust, odors, and other associated conditions may be used and are protected by the Michigan Right to Farm Act.

Dated June 24, 2015

Signed

GERALD D. EBELING AND VIRGINIA L. EBELING TRUST

Gerald D. Ebeling

Virginia (*J*Ebeling

Trustee

RCUD JUN251 5041:50

State of Michigan

) SS

County of Otsego

day of June, 2015, before me personally appeared Gerald D. Ebeling and Virginia L. Ebeling as Trustee(s) of the Gerald D. Ebeling and Virginia L. Ebeling Trust u/a dated April 19, 2002 to me known to be the person described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

RITA L JOHNSON NOTARY PUBLIC, STATE OF MICHIGAN COUNTY OF OTSEGO

Notary Public County Michigan

EXHIBIT "A" LEGAL DESCRIPTION

Land situated in the Township of Hayes, County of Otsego, State of Michigan described as:

Parcel 1- A parcel of land on part of the Southwest 1/4 of Section 3, Township 30 North, Range 4 West, being described as: Beginning at the South 1/4 corner of said Section 3; thence North 87°25'09" West, 802.45 feet along the South line of said Section 3; thence North 00°16'44" East, 871.27 feet; thence North 87°26'38" West, 500.37 feet; thence South 00° 17'03" West, 871.05 feet along the West 1/8 line to said South Section line; thence North 87°25'09" West, 958.01 feet along said South line; thence North 00°25′51" East, 378.79 feet; thence North 87°24′56" West, 344.99 feet to the West line of said Section 3; thence North 00°26′09" East, 607.97 feet along said West line; thence South 87°40′05" East, 1300.07 feet; thence North 00°17'03" East, 344.83 feet along said West 1/8 line of said Section 3; thence South 87°40'05" East, 1299.16 feet along said South 1/8 line of said Section 3; thence South 00°08'02" West, 1343.16 feet along the North-South 1/4 line of said Section 3 to the Point of Beginning.

LEER 1377 PAGE 821

SCHEDULE B

File No.: 412242 Policy No.: O-9301-003435495

EXCEPTIONS FROM COVERAGE

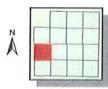
This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees, or expenses that arise by reason of:

- 1. Taxes or special assessments which are not shown as existing liens by the public records or which constitute a lien, but are not yet due and payable.
- 2. Any and all oil, gas, mineral, exploration and extraction rights, and/or reservations thereof which may or may not be recorded.
- 3. Taxes and assessments that become a lien against the property after date of closing. The Company assumes no liability for tax increases occasioned by retroactive revaluation, changes in the land or usage or loss of any homestead exemption status for the insured premises.
- Rights of the public and of any governmental unit in any part thereof taken, used or deeded for street, road or highway purposes.
- 5. Easement granted to Consumers Power Company as set forth in Liber 68, Page 562, Otsego County Records.
- 6. Oil and Gas Lease granted to W. B. Phillips as set forth in Liber 125, Page 480, Otsego County Records.
- Oil and Gas Lease granted to Peak Exploration Company as set forth in Liber 528, Page 181, Otsego County Records.
- 8. Oil and Gas Lease granted to Northern Michigan Exploration Company as set forth in Liber 244, Page 617, Otsego County Records.
- Oil and Gas Lease granted to Peak Petro Title Service as set forth in Liber 5094, Page 834, Otsego County Records.
- Release and Right of Way granted to Mercury Exploration Company as recorded in Liber 561, Page 592, Otsego County Records.
- 11. Easement granted to Top O'Michigan Rural Electric Company as set forth in Liber 579, Page 497, Otsego County Records.
- 12. Overhead electric lines as depicted on Mortgage Report by WadeTrim, being Job #WLV2005-03G.

Stewart Title Guaranty Company



APPENDIX 2 – MAPS AND AERIAL PHOTO OF PROPERTY



84'5 0'W

84°50'0'W

84'49'0'W

84*45°W

84'470'W

See Hayes TWP (South) Page 12

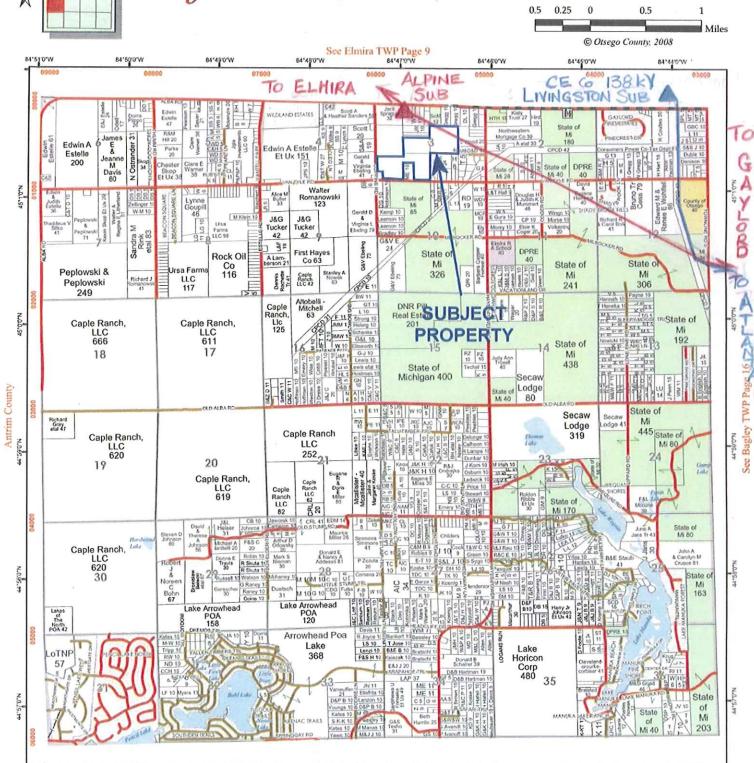
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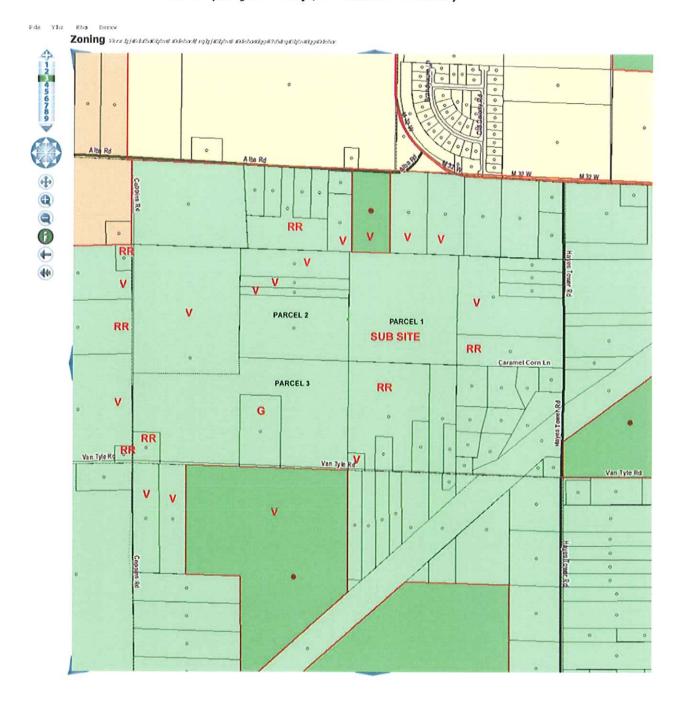
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Hayes TWP (North)

T.30N. - R.4W.



ZONING MAP (Hayes Twp, Section 3 Area)





Wolverine Power Cooperative - VanTyle Transmission Substation Adjacent Land Uses





VAN TYLE TRANSMISSION PROPOSED SUBSTATION

5542 Van Tyle Road Gaylord, MI 49735

DRAWING SE

DRAWING INDEX

DWG#	TITLE
000	SITE PLAN REVIEW SET
C-0.0	WADE TRIM - COVER SHEET
C-0.1	WADE TRIM - EXISTING CONDITIONS PLAN
C-0.3	WADE TRIM - DEMOLITION - LANDSCAPE PLAN
C-1.0	WADE TRIM - OVERALL SITE PLAN
C-2.1	WADE TRIM - GRADING & DRAINAGE - AREA A
C-2.2	WADE TRIM - GRADING & DRAINAGE - AREA B
C-2.3	WADE TRIM - GRADING & DRAINAGE - AREA C
8645-G27	ELEC & STR LAYOUT - 138kV SECTION VIEWS, ROWS 8 & 10 (SHEET 3)
8645-G27	ELEC & STR LAYOUT - 138kV MISC. SECTIONS & DETAILS (SHEET 5)
5E6000-84	FENCE GROUNDING DETAILS
5E6000-88	SUBSTATION ACCESS INSTALLATION & FENCE GATE DETAILS
38559-L3	SYSTEMS CONTROL - CONTROL HOUSE EXTERIOR ELEVATIONS
991	SUBSTATION SIGN DETAILS

NOT FOR CONSTRUCTION OR INSTALLATION (ENGINEERING AND FIELD REFERENCE ONLY)

HIS DOCUMENT IS THE PROPERTY OF WOLVERNE POWER SCOPERATINE (WPC), AND IS INTENDED SOLETY FOR USE BY MPC AND ITS MEMBERS. ANY USE OR DISTRIBUTION OF THIS WORKMAND FOR PURPOSES OTHER THAN THOSE FOR WHICH AREN TERM SENTILES THE MEMBERSON FROW WPC. WITH LIMITED PROPERTY WITH DISPORTS WITH DISPORTS WITH MILE THE WAT INADPROMYTE DISPORTS WITH WITH DISPORTS WITH MILE THE WAT INADPROMYTE DISPORTS WITH WITH DISPORTS WITH MILE THE WAT INADPROMYTE DISPORTS WELL WITH MILE THE WASHING WITH MILE THE WASHING WITH MILE THE WASHING WITH MILE THE WASHING WASHING WITH MILE THE WASHING WASHI

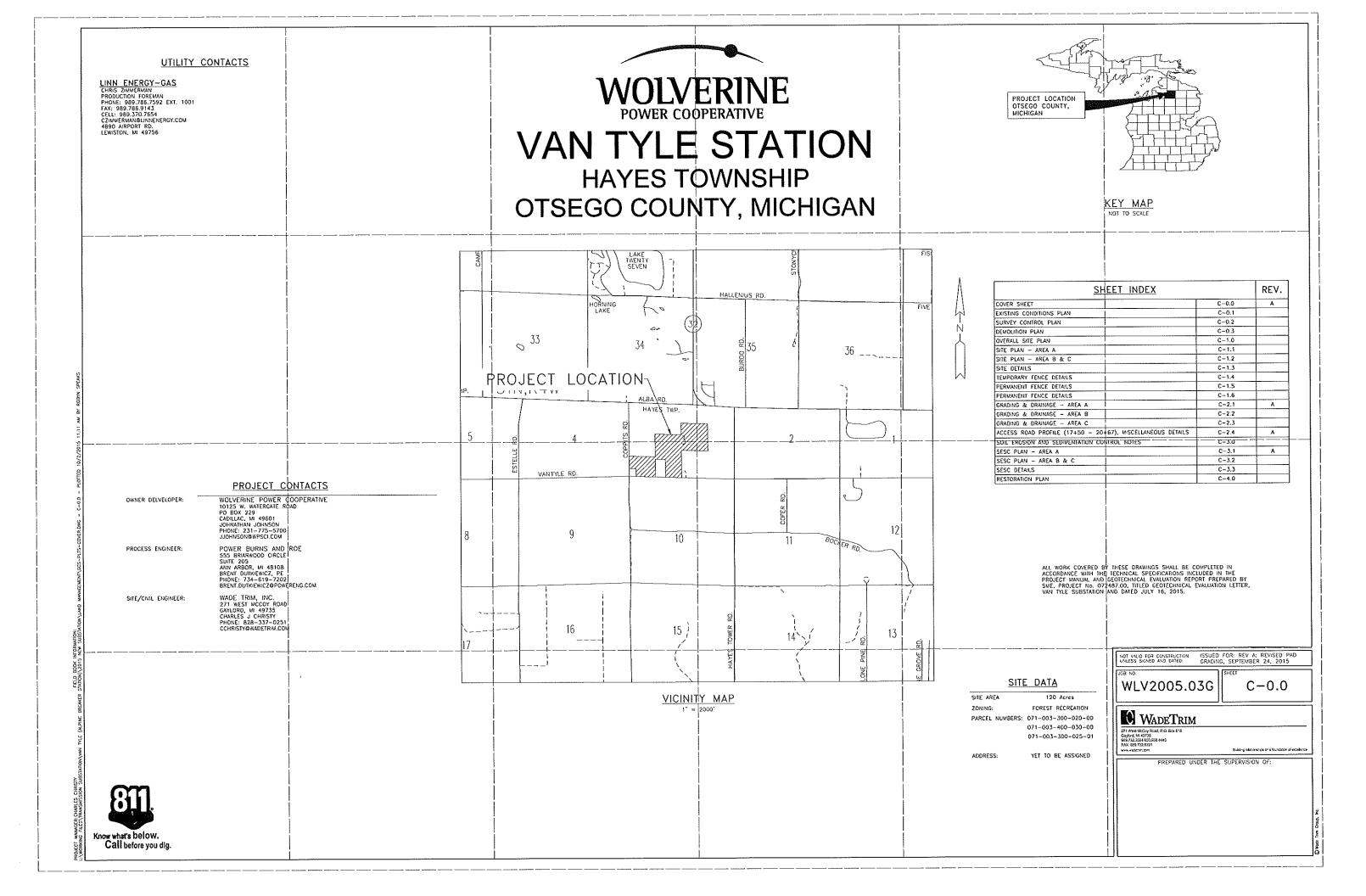
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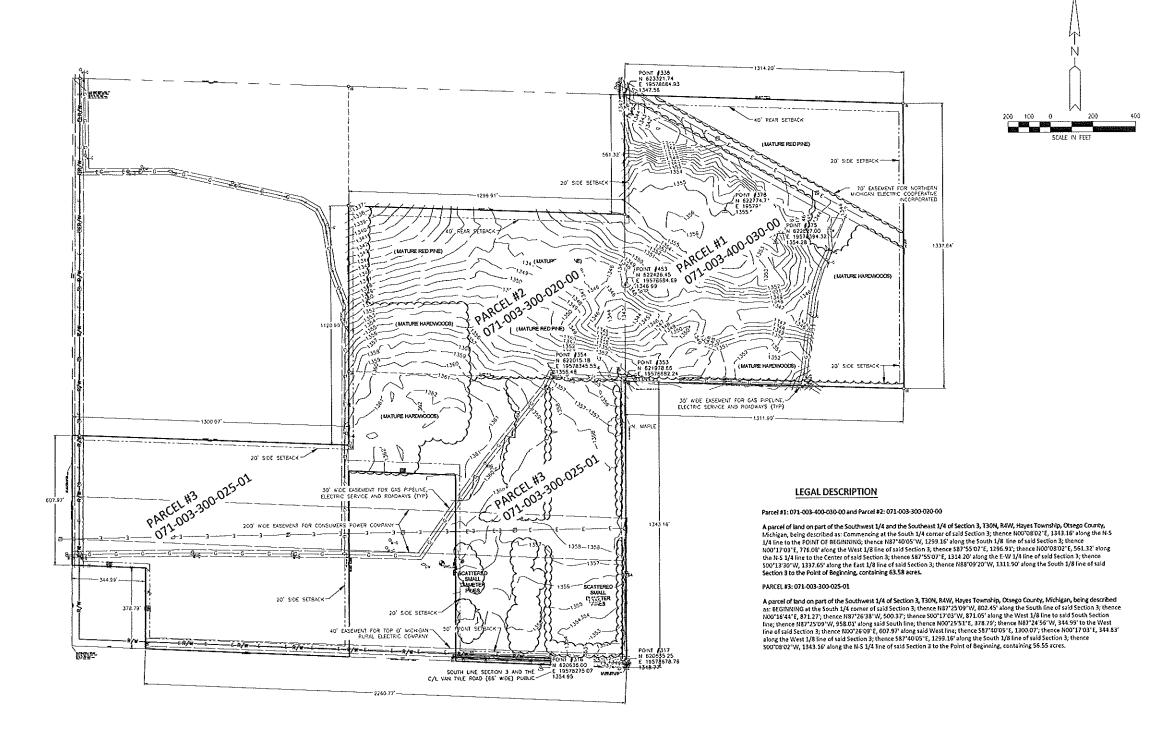
VAN TYLE TRANSMISSION

CAD DRAWING VTT 000 DRAWN RCS ENG.

ENG.
P.M.
SCALE NONE
DRIGINAL 09/29/

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LEGEND

- PARCEL BOUNDARY - PARCEL LINES OF INDIVIDUAL PROPERTIES - SECTION UNES _____ - BURRED GAS LINE - OVERHEAD ELECTRIC LINE(S) - MAJOR CONTOUR

- NWOS CONTOUR - TREE LINE

- SECTION CORNER (AS NOTED) - POWER POLE

- TELEPHONE PEDESTAL - SOIL BORING (AS NOTED) - GAS WELL

- UNERGROUND CAS LINE MARKER - UNDERGROUND PHONE UNE MARKER DECIDUOUS TREE (AS NOTED)

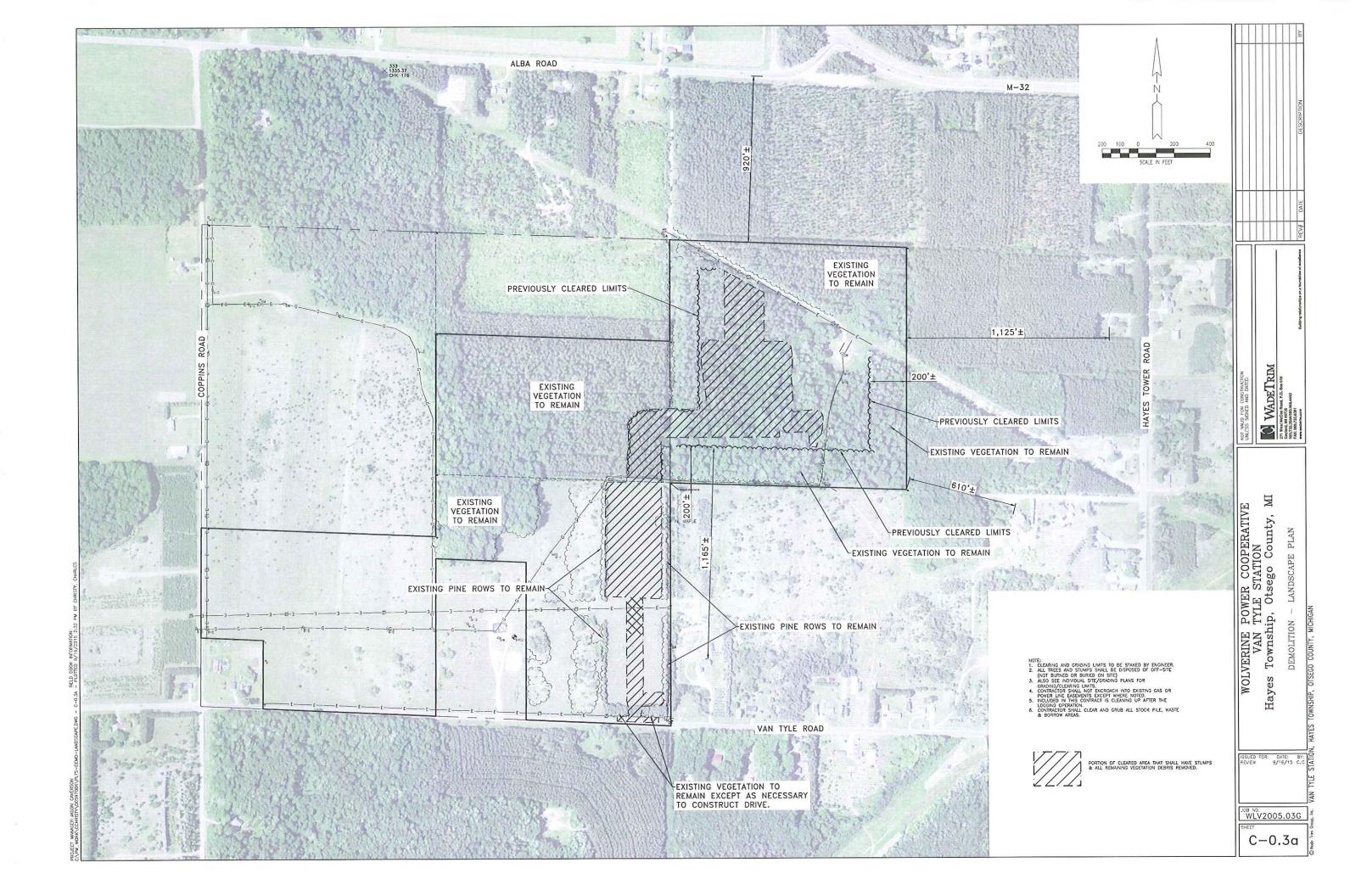


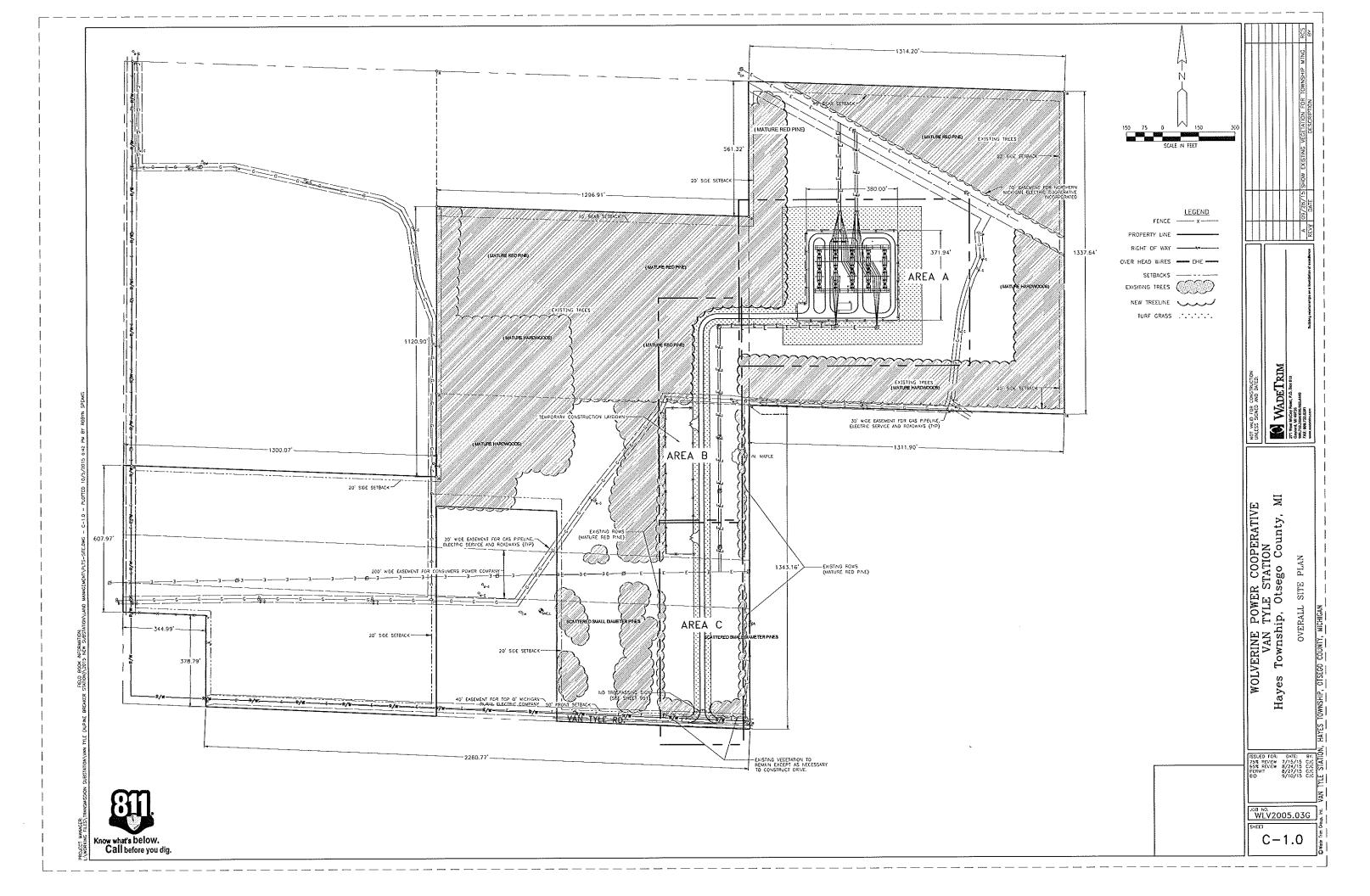
WADETRIM
ZI West McCop Reed, P.O. Der 619
Garpeel, All 197239
FAST STARK TRANSPORTED
FAST S MI WOLVERINE POWER COOPERATIVE VAN TYLE STATION yes Township, Otsego County, M

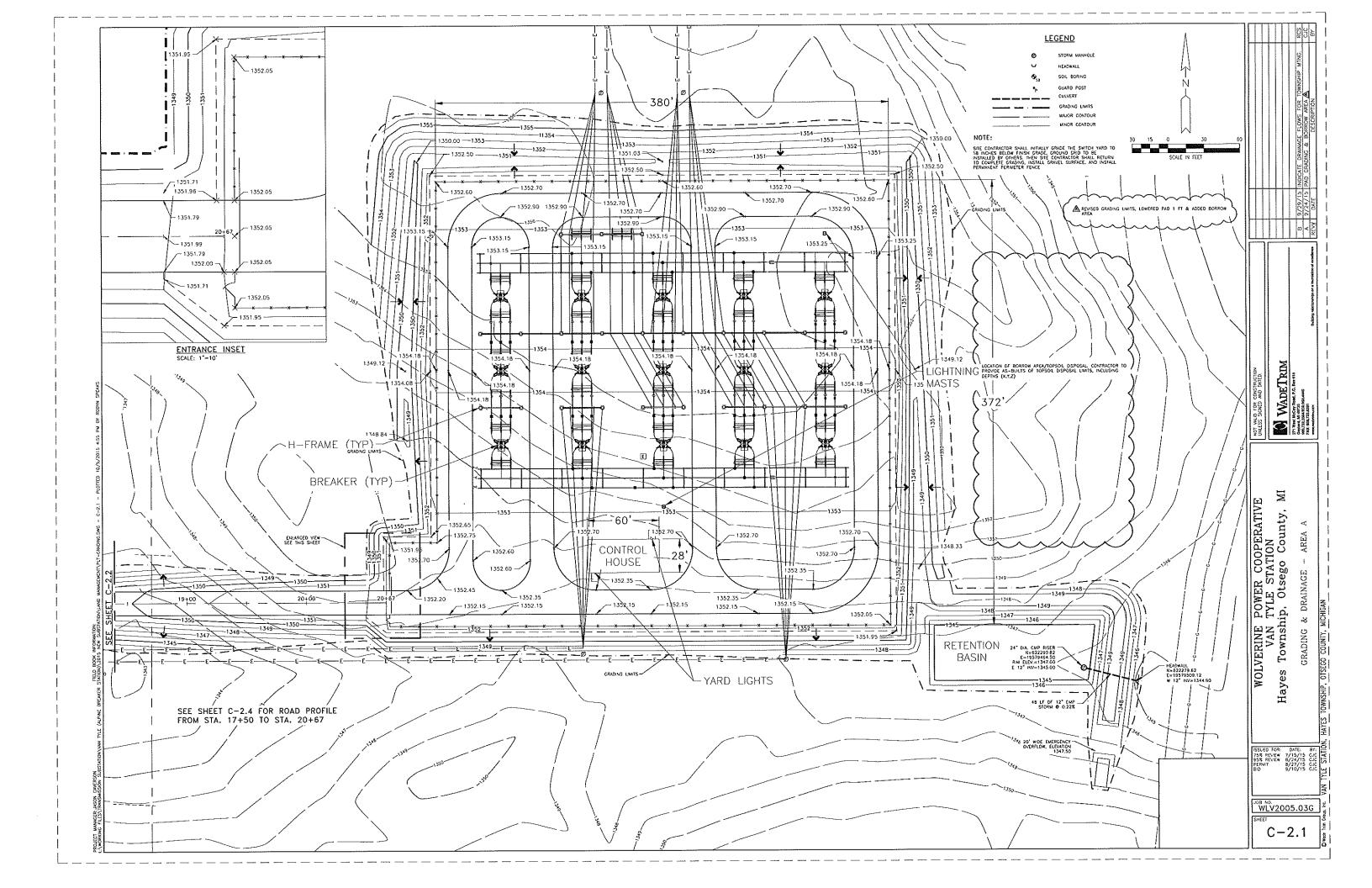
PLAN

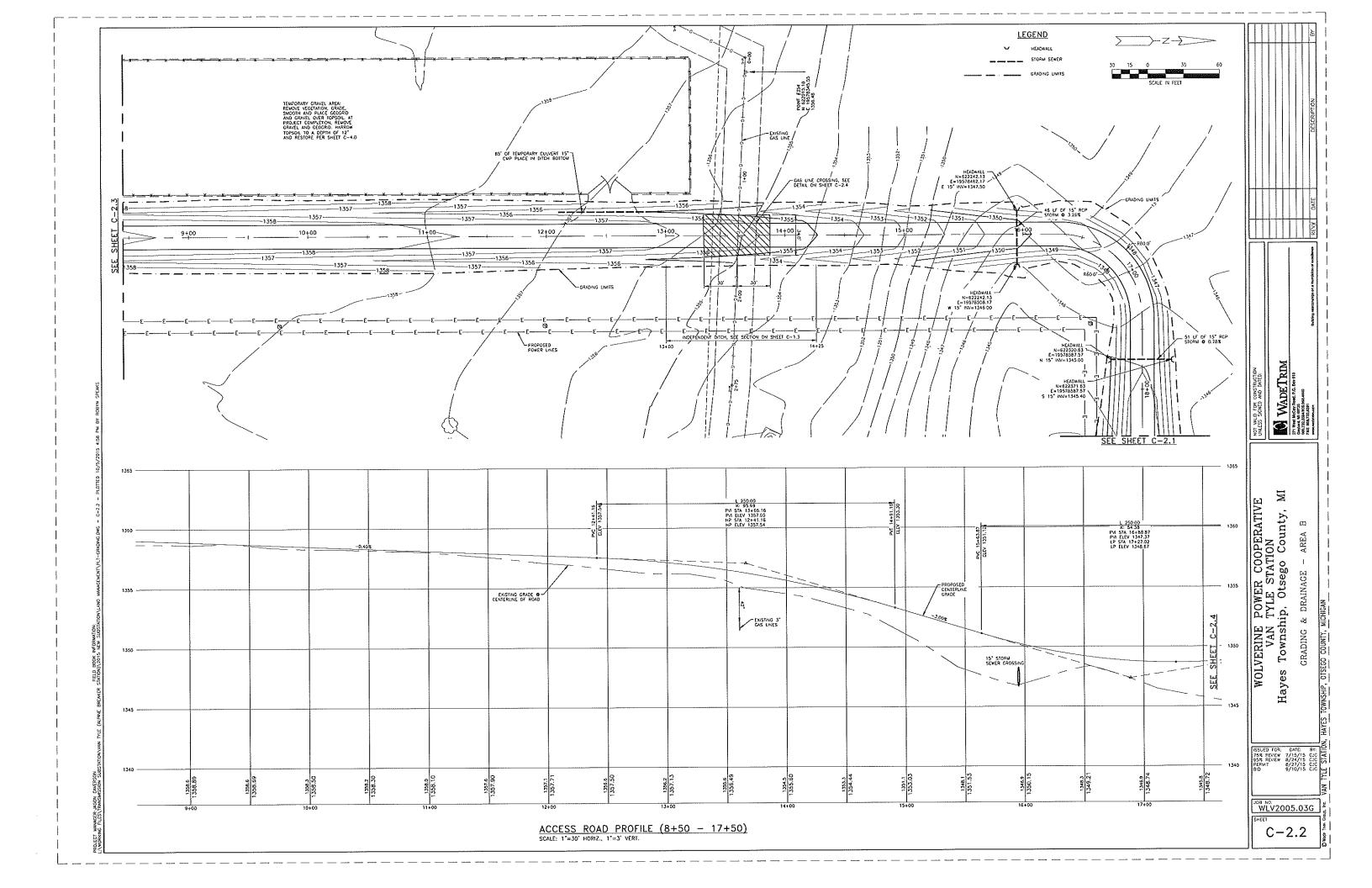
JOB NO. WLV2005,03G

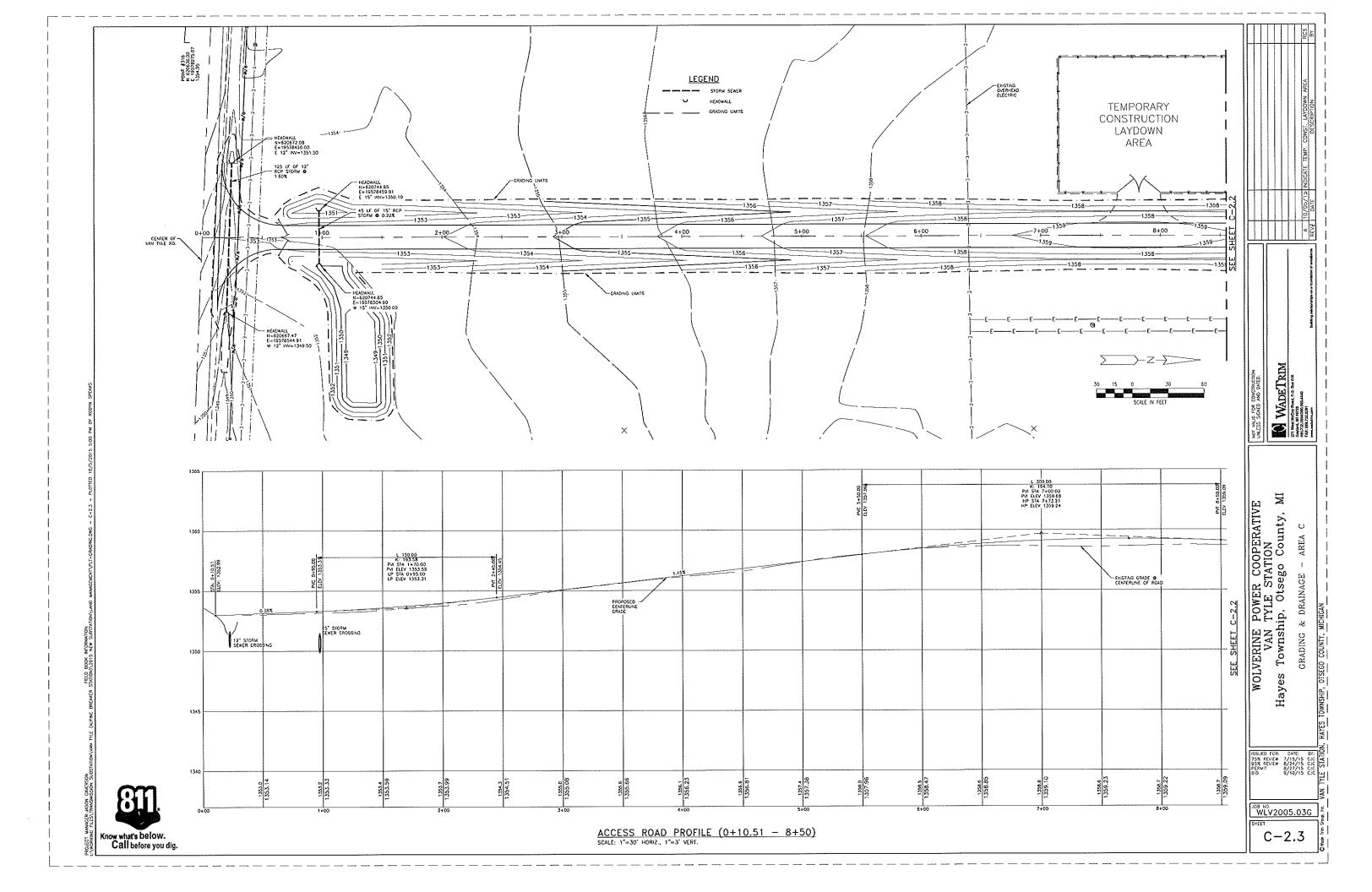
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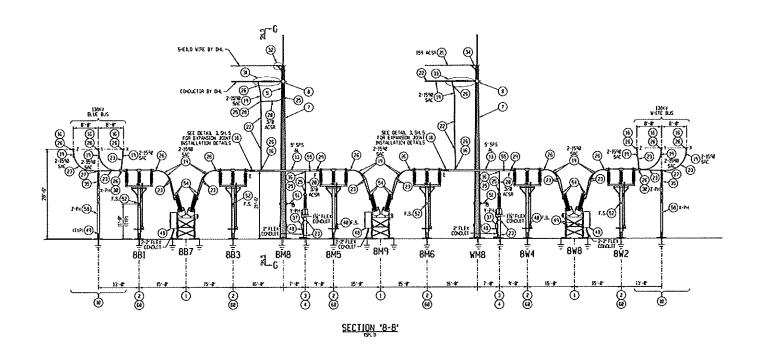


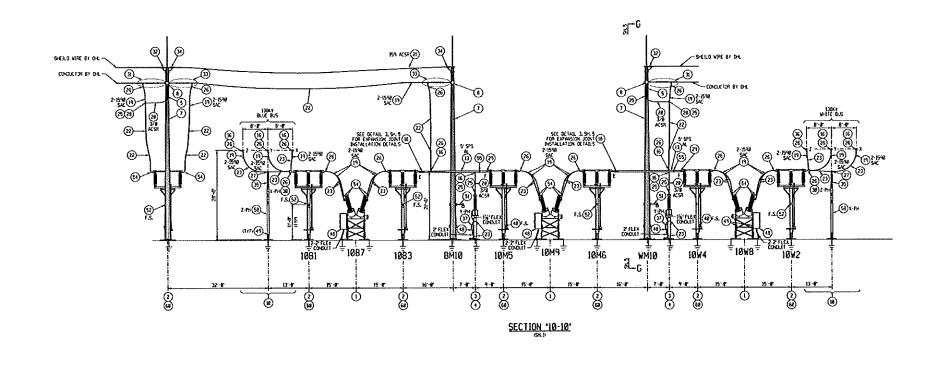












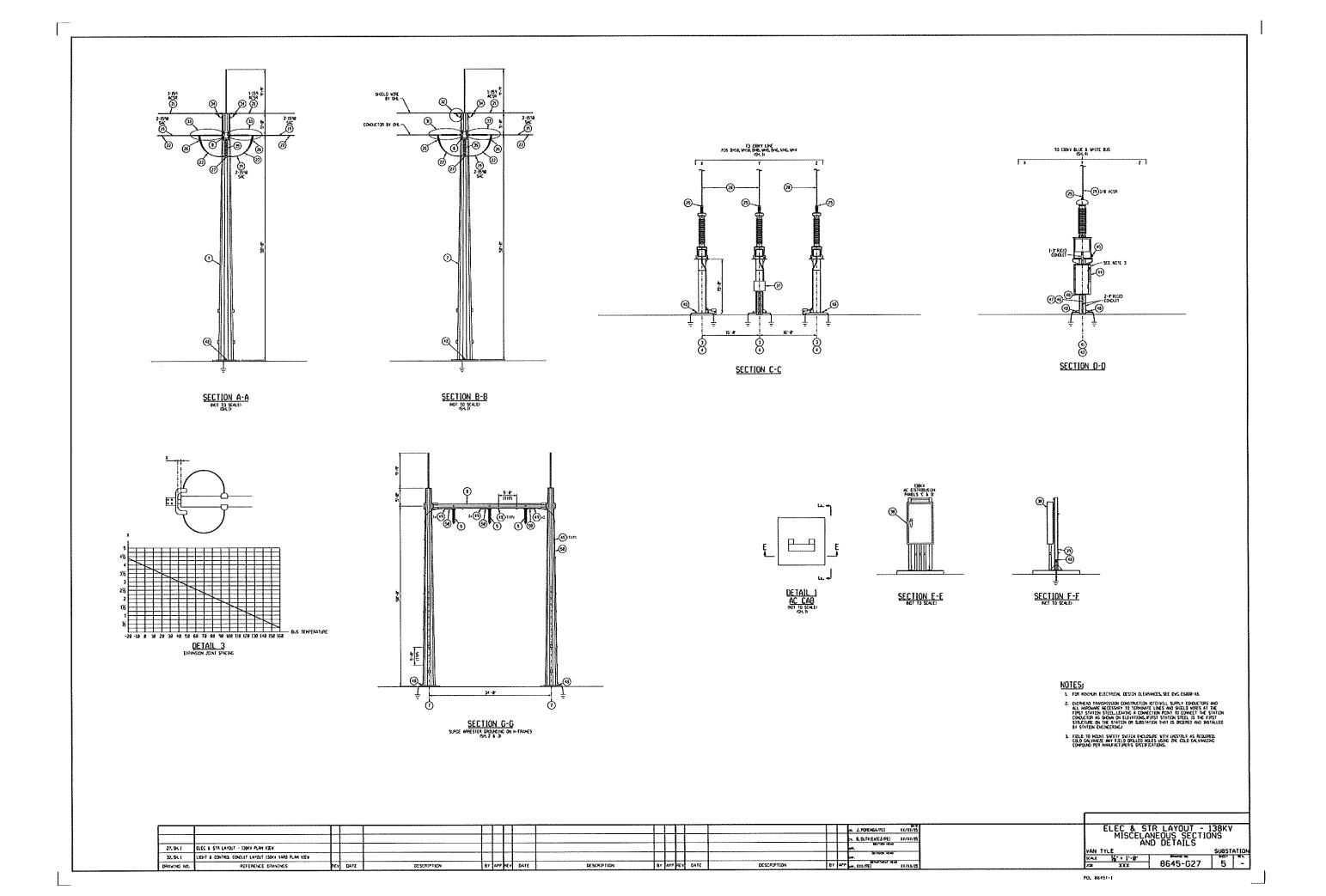
NOTES:

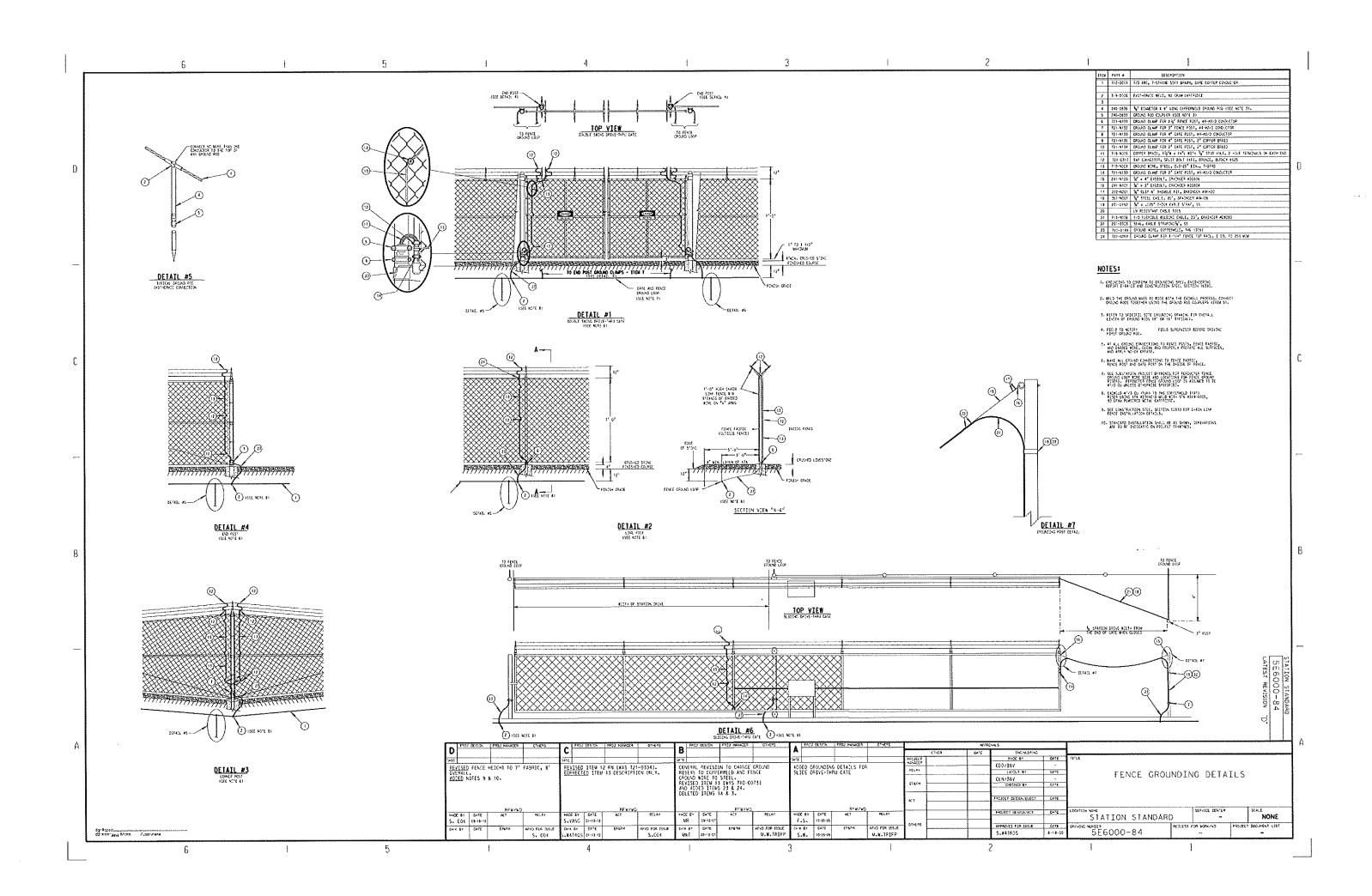
- 1. FOR MONORUM ELECTRICAL DESIGN TLEARANCES, SEE DVG EGRON-48.
- Overean Transmission Construction with Mill Suprix Coductors and all mediance decessors to reporter upes and werd at the first statum statulation a conscitute point to conscitut his status coductor as worn or repeatible girst status steel is the first structure on the status or substatus that is ordered and districtly by status documents.

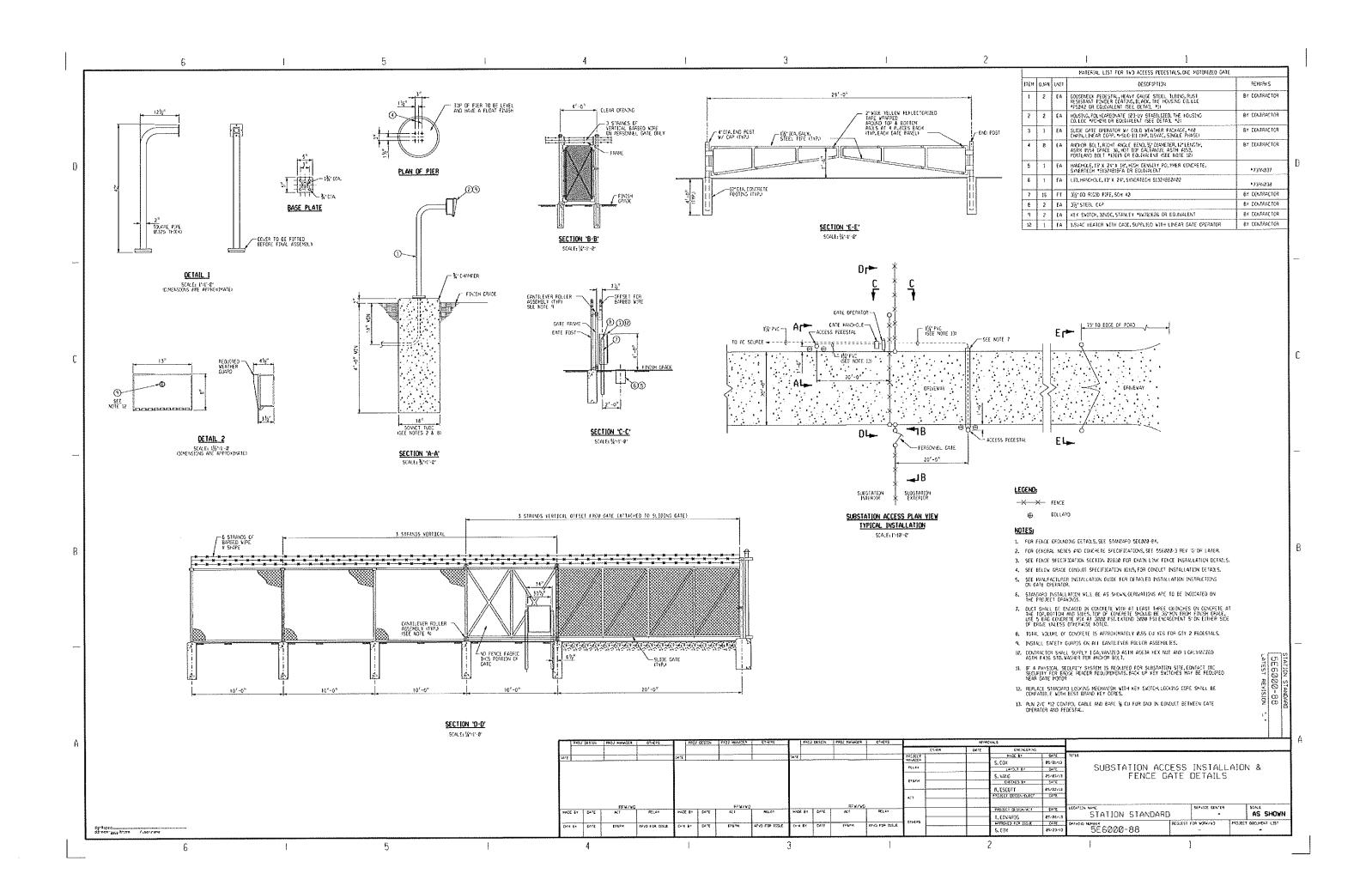
- LEGEND: 5 SUP FIT F FIXED FIT E EXPANSION FIT F.S. FAR SIDE

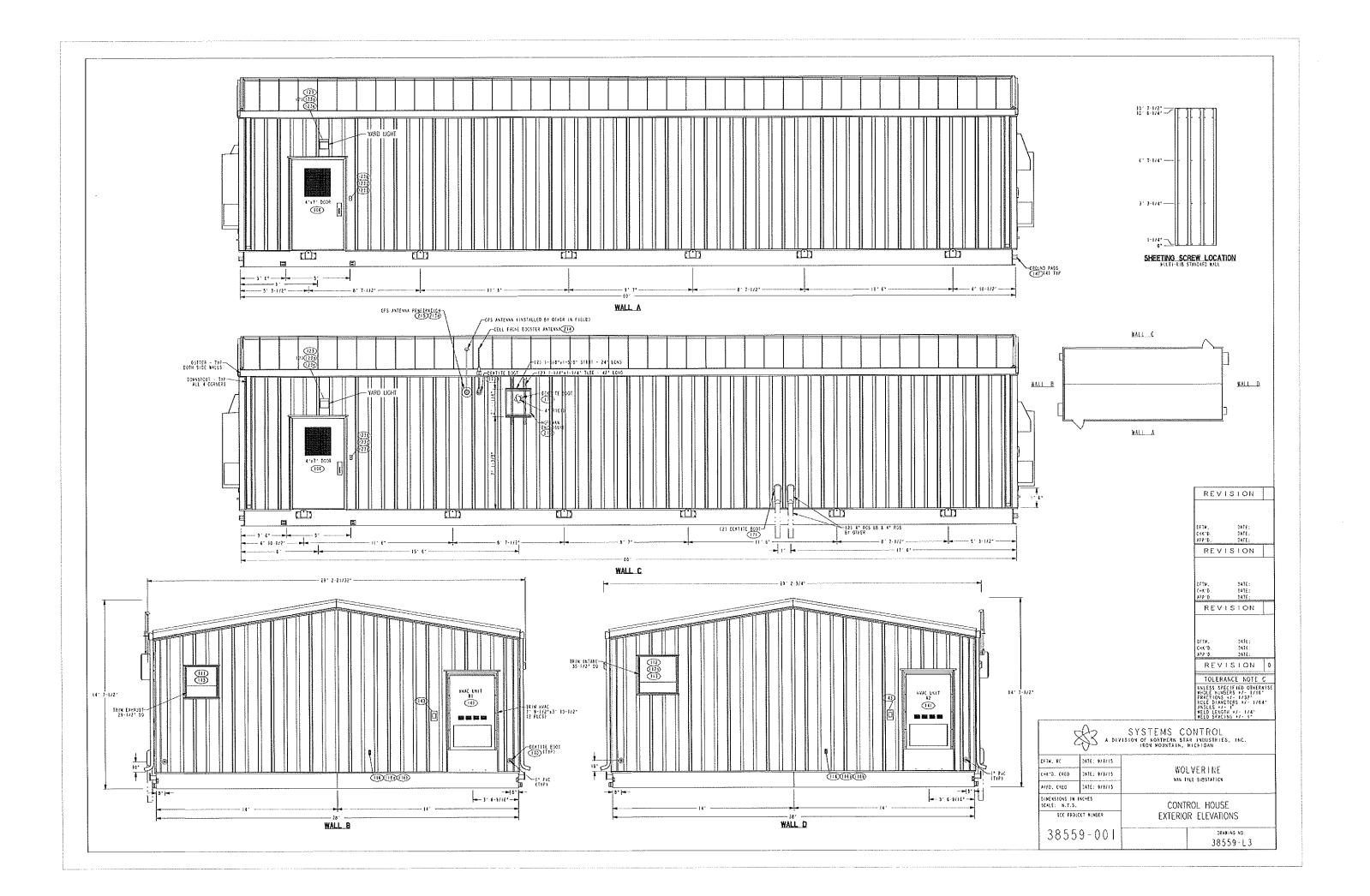
m. J. POROGAV7E1 XX/XX/Y 27, 94.1 ELEC & STR LAYOUT + 138KY PLAN YEW BOUTEEVELINES XE/1X/15 27,54.5 ELEC & STR LATOUT - 13847 HISCELLMEOUS SECTIONS MO DETAILS 32, St. | LIGHT & COHTROL CONDUCT LAND. # 1980 FLAN 1980 DESCRIPTION DESCRIPTION OESCRIPTION

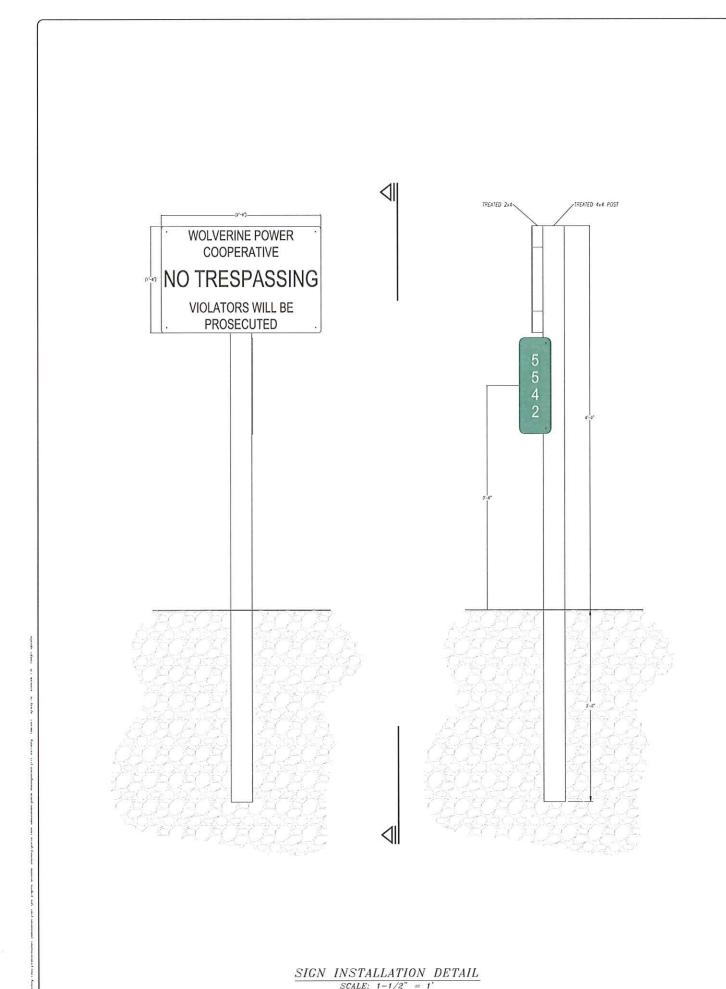
ELEC & STR LAYOUT - 138KV SECTION VIEWS ROWS 8 & 10 XXX
XXX
AN TAFE SUBSTATION 8645-G27 3 -











WOLVERINE POWER COOPERATIVE

NO TRESPASSING

VIOLATORS WILL BE PROSECUTED

QUANTITY:

SIGNS PROVIDED BY WPC

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TYLE TRANSMISSION

PRAWING VTT 991

RAWN ELB NG. .M.

SCALE AS NOTED ORIGINAL 08/18/15

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