



Janice M. Winfrey City Clerk

City of Detroit

OFFICE OF THE CITY CLERK

Andre P. Gilbert II Deputy City Clerk

DEPARTMENTAL REFERENCE COMMUNICATION

Wednesday, August 12, 2020

To: The Department or Commission Listed Below

From: Janice M. Winfrey, Detroit City Clerk

The following petition is herewith referred to you for report and recommendation to the City Council.

In accordance with that body's directive, kindly return the same with your report in duplicate within four (4) weeks.

PLANNING AND DEVELOPMENT DEPARTMENT DPW - CITY ENGINEERING DIVISION

ExteNet Systems Inc., request to encroach into E Atwater St, Gratiot Ave, Broadway St and Schoenherr St for purpose of installing telecommunications cabinets



COLEMAN A. YOUNG MUNICIPAL CENTER 2 WOODWARD AVE. SUITE 601 DETROIT, MICHIGAN 48226 PHONE: (313) 224-3949 • TTY:711

Fax: (313) 224-3471 WWW.DETROITMI.GOV

To: Clerk's Office

From: The Department of Public Works

City Engineering Division

MapsandRecordsBureau@DetroitMI.Gov

(313) 224-3970

Petitioner:

David Schneider On behalf of: ExteNet Systems, Inc National Operations Center 3030 Warrenville Road, Suite 340 Lisle, IL 60532

On behalf of the above mentioned petitioner the Department of Public Works: City Engineering Division is submitting a petition request for the below mentioned action. The petitioner has received a project consultation from the Department of Public Works: City Engineering Division and has been advised the following:

Type of action recommended:

Petition to encroach into East Atwater Street, Gratior Avenue, Broadway Street, and Schoenherr Street for the purpose of installing Small Cell Telecommunications Network Electrical Cabinets.

Based on the scope of the project the following requirements have been outlined:

No further requirements noted.

Sincerely,

Jered Dean Manager II

Maps and Records Bureau



July 24, 2020

Detroit City Council
City Council Office
2 Woodward Ave. Suite 1340
Detroit, MI 48226

Re: ExteNet Systems, Inc. - Petition for Rights-of-Way Encroachments for Four Electrical Cabinets, associated electrical components, and mounting equipment as required

Dear Honorable members of the Detroit City Council:

ExteNet Systems has been installing a Small Cell Telecommunications Network within the Rights-of-Way in Detroit for the past two years; pursuant to authority accorded by the Michigan Metro Act, and approvals and permits granted by the City of Detroit.

The purpose of this request is to place four Alpha Electrical Cabinets, and associated components and equipment to provide power supply to several of the small cells related to the network. The result of placing these four cabinets will result in the elimination of the necessity for open trenching, along with disruption to the City and Citizens.

The four cabinet locations are:

- South side of E Atwater Street, at Civic Center Drive
- · East side of Gratiot Avenue, south of Randolph Street
- In the median within Broadway Street, west of John R Street
- East side of Schoenherr Street, south of E 7 Mile Road

Detroit City Council - page 2

The cabinets will be monitored and managed by:

ExteNet Systems, Inc National Operations Center 3030 Warrenville Road, Suite 340 Lisle, IL 60532

ExteNet has appreciated working with City staff for over a decade providing quality telecommunications infrastructure within the City of Detroit, and we look forward to our continued relationship with the City.

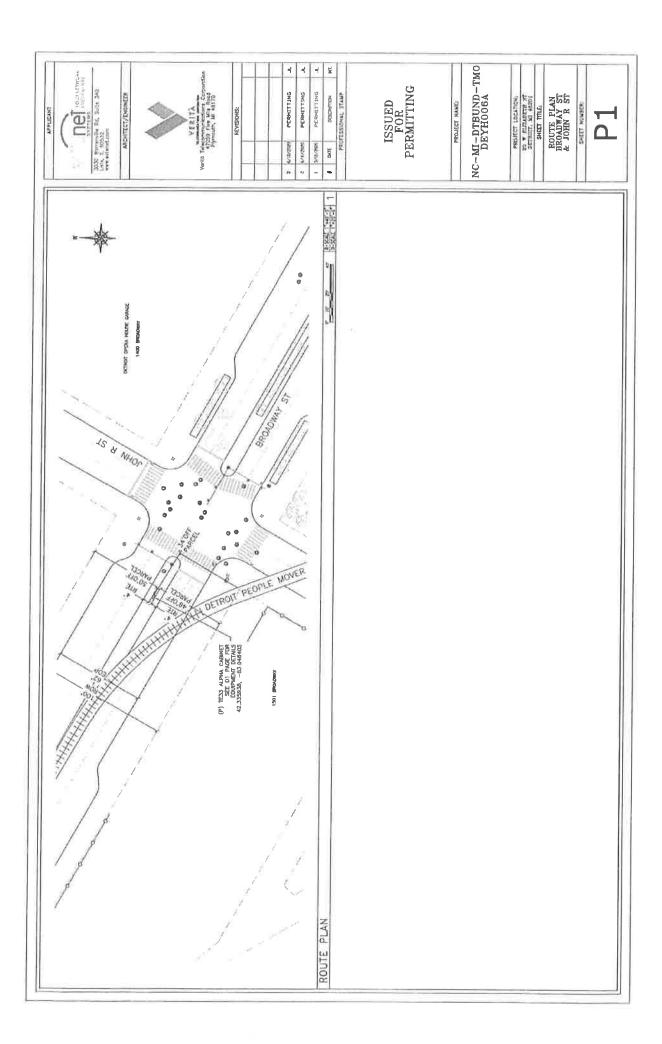
Please feel free to contact me (734-536-3081) if you have any questions.

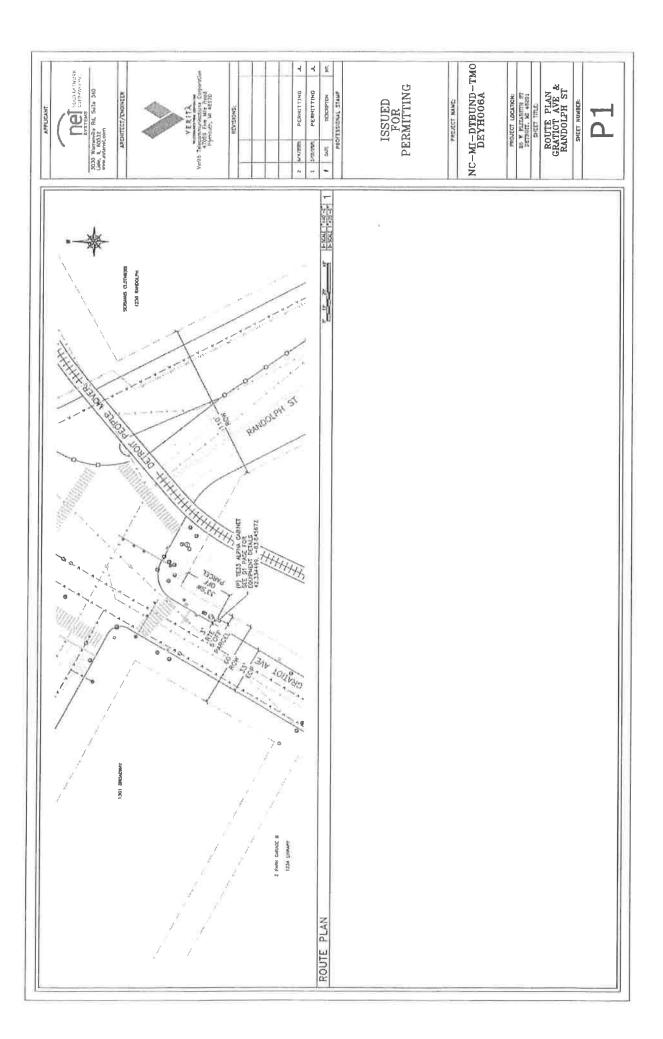
Sincerely,

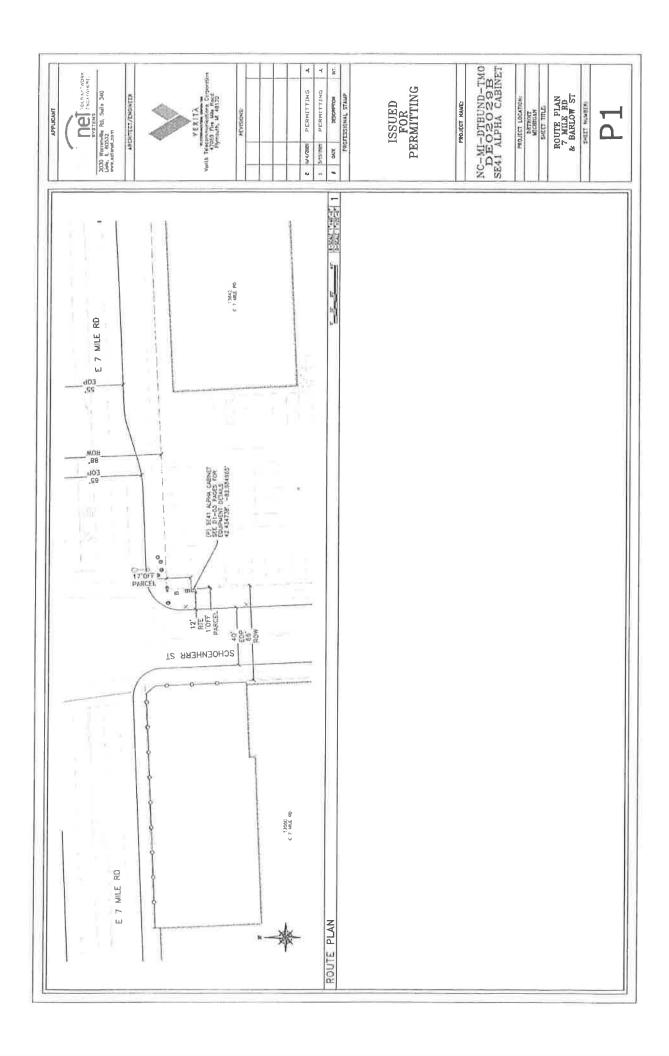
David W. Schneider

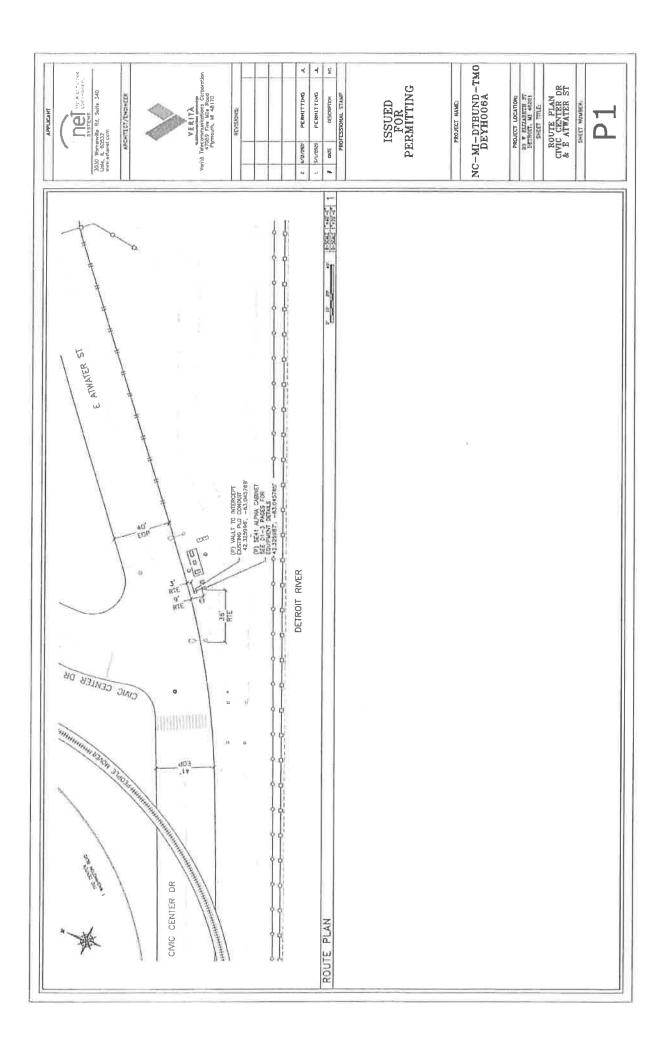
Director, External Affairs

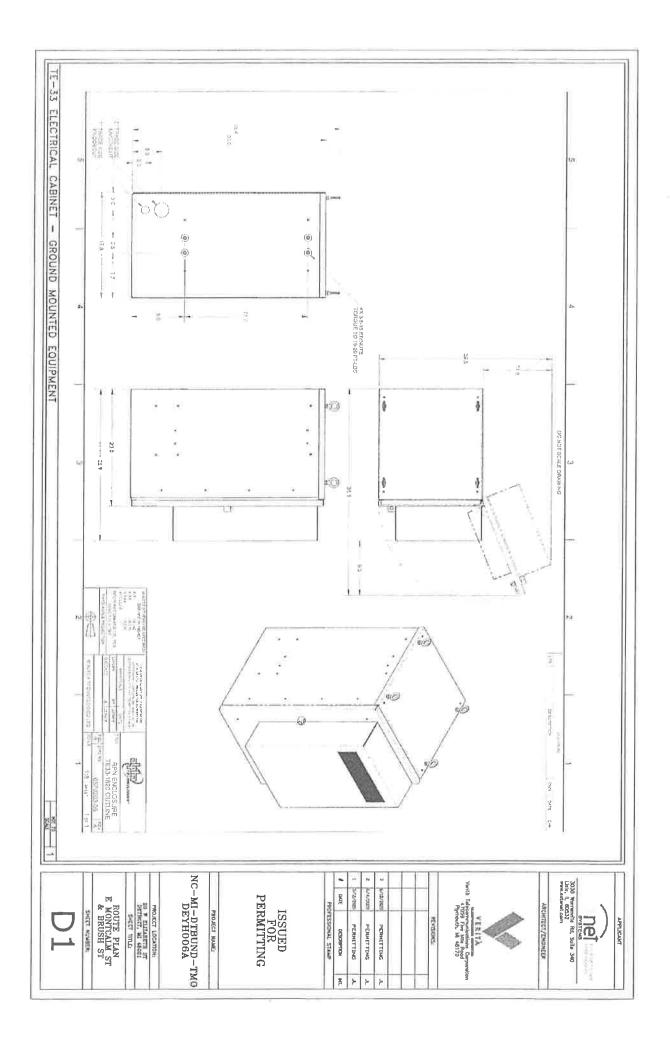
Davidu Shride











2020-08-12

1308

1308 Petition of ExteNet Systems Inc., request to encroach into E Atwater St, Gratiot Ave, Broadway St and Schoenherr St for purpose of installing telecommunications cabinets

REFERRED TO THE FOLLOWING DEPARTMENT(S)

PLANNING AND DEVELOPMENT DEPARTMENT DPW - CITY ENGINEERING DIVISION

City of Detroit City Engineering Division, Department of Public Works Maps and Records Bureau

NOTICE OF PROPOSED CHANGE IN PROPERTY

		Date:
		Petition:
	AT&T Telecommunication	
	Comcast Television (CATV)	☐ Berm Use
	Detroit Edison (DTE)	
	Fire Department	☐ Conversion to Easement
	Great Lakes Water Authority	
	Land Bank Authority	Dedication
	Michcon (DTE)	
	Planning & Development Department	Encroachment
	Public Lighting Authority	
	Public Lighting Department	☐ Outright Vacation
	Police Department	
	Solid Waste Division, DPW	☐ Temporary Closing
	Street Design Bureau, DPW	
	Street Maintenance Division, DPW	
	Traffic Engineering Division, DPW	
	Water and Sewerage Department	
	Detroit Thermal	
	International Transmission Company (ITC)	
•	etition drawing is attached. Property shown on the attached princated. Kindly report (using the back of this sheet) the nature of	

A petition drawing is attached. Property shown on the attached print is proposed to be changed as indicated. Kindly report (using the back of this sheet) the nature of your services, if any affected by the proposed change and the estimated costs of removing and rerouting such services (if necessary). If a response is not received after a second notice of proposed change has been issed DPW will make the determination to move forward with the petition.

Please return one copy to City Engineering Division, DPW within two weeks of the submittal date. Retain one copy and print for you file.

Ron Brundidge, Director, Department of Public Works

By: Richard Doherty, CED DPW

City Engineer

	TO:	City Engineering Division, DPW 2 Woodward Ave., Suite 642 Detroit, Michigan 48226-3462 Survey Bureau: 313-224-3970	Petition:
		roposed change in property (referred to on the othes as follows:	ner side of this sheet) would affect our
		Not Involved	
		Involved; but no objections to the property chan-	ge.
		Involved; objection to the property change.	
		Involved; the nature of our services and the esti such services are:	mated costs of removing and/or rerouting
Obje	ection	s, Please leave a brief explanation for any	objection or the nature of an estimated cost:
	/I Itility	or City Department)	
	(Othicy	of City Department)	
	Ву		
	Title		
	Date		

2/20/2018 wlw 09/23/2019

Area code – Telephone number





PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.



APPLICANT

3030 Warrenville Rd, Suite 340 Lisle, IL 60532

ARCHITECT/ENGINEER



	REVISIONS:					
2	6/10/2020	PERMITTING	JL			
1	5/1/2020	PERMITTING	JL			
#	DATE	DESCRIPTION	INT.			

PROFESSIONAL STAMP

ISSUED FOR **PERMITTING**

PROJECT NAME:

NC-MI-DTBUND-TMO DEYH006A

PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201

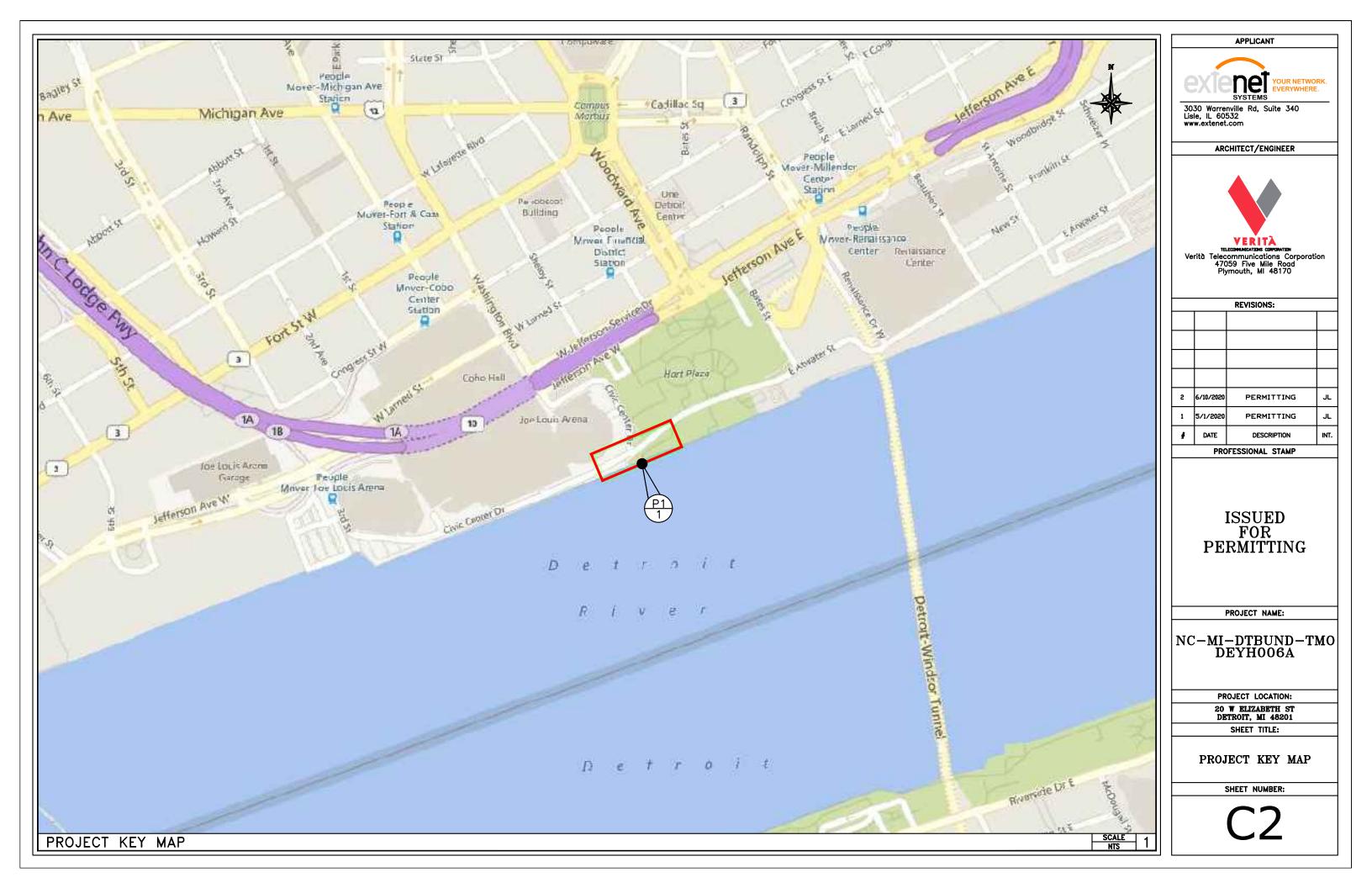
SHEET TITLE:

COVER SHEET & PROJECT INFORMATION

SHEET NUMBER:

NC-MI-DTBUND-TMO DEYH006A ALPHA CABINET 2 CIVIC CENTER DR, DETROIT, MI 48226

EXTENET PROJECT TEAM	PERMITTING AGENCIES	SHEET INDEX	VICINITY MAP
APPLICANT: EXTENET SYSTEMS, INC. 3030 WARRENVILLE ROAD SUITE 340 LISLE, IL 60532 PHONE: (630) 505-3800 FAX: (630) 577-1332 ENGINEER/ARCHITECT: VERITÀ TELECOMMUNICATIONS CORP. 47059 FIVE MILE ROAD PLYMOUTH, MI 48170 CONTACT: BENJAMIN REEVE PHONE: (740) 403-7012 CONSTRUCTION MANAGER: EXTENET SYSTEMS INC.	UTILITY COMPANY: DTE ENERGY CONTACT: REBECCA PICKLER PHONE: (313) 235–8426 CITY OF DETROIT— ENGINEERING: 2 WOODWARD AVE, SUITE 611 DETROIT, MI 48226 CONTACT: STELLA KULANGARA PHONE: (313) 224–3935 STEKUL@DETROITMI.GOV	C1 COVER SHEET & PROJECT INFORMATION C2 PROJECT KEY MAP L1 GENERAL NOTES ABBREVIATIONS & SYMBOLS P1 CIVIC CENTER DR & E ATWATER ST D1 GROUND MOUNTED EQUIPMENT DETAILS D2 GROUND MOUNTED EQUIPMENT DETAILS D3 GROUND MOUNTED EQUIPMENT DETAILS	True field True f
CONTACT: BILL VORCE PHONE: (248) 882–4360 PROJECT MANAGER: EXTENET SYSTEMS INC. 3030 WARRENVILLE ROAD SUITE 340 LISLE, IL 60532 CONTACT: KEVIN TROPECK PHONE: (724) 312–5174 MUNICIPAL AFFAIRS: EXTENET SYSTEMS INC. CONTACT: KEITH DAVIDOW PHONE: (248) 252–2000		PROJECT DESCRIPTION THESE DRAWINGS DEPICT A PORTION OF A SMALL CELL SYSTEM TELECOMMUNICATIONS NETWORK, TO BE CONSTRUCTED, OWNED AND OPERATED BY EXTENET SYSTEMS, IN THE PUBLIC RIGHT OF WAY PURSUANT TO AUTHORITY GRANTED BY THE MICHIGAN METRO ACT. THE MAIN COMPONENTS OF THIS INSTALLATION ARE: THE INSTALLATION OF ONE (1) ALPHA SE-41 ELECTRICAL CABINET, ASSOCIATED ELECTRICAL COMPONENTS, AND MOUNTING EQUIPMENT AS REQUIRED.	Canno



GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICA. OR CONTROLLING MONUMENTS PRORT TO ANY EARTHWORK. F DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR FEOCORD OR FEOCORD SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT.

- 2. IMPORTANT NOTICE: CALL UNDERGROUND SERVICE ALERT, 811/TOLL FREE (800) 482-7171, THREE
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POT HOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN A 1' MINIMUM VERTICAL CLEARANCE.
- I. IF ANY EXISTING HARDSCAPE OR LANDSCAPE INDICATED ON THE APPROVE PLANS IS DAMAGED OF REMOVED DURING DEMOLITION OR CONSTRUCTION, IT SHALL BE REPAIRED AND/OR REPLACED IN KIND PER THE APPROVED PLANS.
- 5. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- 6. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND FIELD ENGINEERING DIVISION
- 7. MANHOLES OR COVERS SHALL BE LABELED EXTENET.
- 8. CONTRACTOR SHALL IMPLEMENT AN EROSION CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE
- THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEMER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.



- 1. INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL:
 ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOB SITE CONDITIONS DURING THE COURSE OF
 CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES. THAT THESE
 REQUIREMENTS SHALL APPLY CONTRINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND
 CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND NOBEMITY AND HOLD EXTENT, REPRESENTATION
 AND ENGINEERS HARMLESS FROM ANY AND ALL LIMBILITY, REAL OR ALLEGED IN CONNECTION WITH THE
 PERFERDMANCE OF THE WORK ON THIS PROJECT.
- 2. PRIOR TO THE REGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK. THE CONTRACTOR SHALL FULLY COMPLY WITH "MICHIGAN OCCUPATIONAL SAFETY AND HEALTH" ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.
- 3. ALL WORK SHALL CONFORM TO THE LATEST STANDARD "SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUMS.
- 4. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES AS SHOWN HERON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST. THE CONTRACTOR SHALL VERIFY PRIOR TO THE START OF CONSTRUCTION AND SHALL USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THESE FACILITIES. THE CONTRACTION IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY.
- THE CONTRACTOR SHALL NOTIFY THE CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT, AT LEAST TWO DAYS BEFORE START OF ANY WORK REQUIRING THEIR INVOLVEMENT.
- 6. THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.
- 7. THE MINIMUM COVER FOR ALL CONDUITS PLACED UNDERGROUND SHALL BE 36 INCHES TO THE FINISHED
- 8. THE CONTRACTOR SHALL TUNNEL ALL CURB AND GUTTERS AND BORE ALL CONCRETE DRIVEWAYS AND WALKWAYS AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEER.
- 9. ALL A.C AND/OR CONCRETE PAVEMENT SHALL BE REPLACED AT THE DIRECTION OF THE CITY, COUNTY OR
- 10. ALL SHRUBS, PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK, SHALL BE REPLANTED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL
- 11. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROCESSING OF ALL APPLICANT PERMIT FORMS ALONG WITH THE REQUIRED LIABILITY INSURANCE FORMS, CLEARLY DEMONSTRATING THAT EXTENET, THE CITY, COUNTY OR STATE IS ALSO INSURED WITH THE REQUIRED LIABILITY INSURANCE FOR THIS CONSTRUCTION PROJECT.
- 12. VAULTS, PEDESTALS, CONDUITS AND OTHER TYPES OF SUBSTRUCTURE ARE EITHER SPECIFIED ON THIS PLAN OR WILL BE SPECIFIED BY THE CONSTRUCTION ENGINEER. ANY AND ALL DEVIATIONS FROM THE SPECIFIED TYPES OF MATERIAL MUST BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.
- 13. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES IN INCLUDING SEWER LATERALS & WATER SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT
- 14. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXPLORATION OF THE PRICE OF THE P
- 15. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE, WITH FIELD TIES, THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORZONITAL AND VERTICALLY, PRIOR TO CONSTRUCTION, IF EXISTING LOCATIONS WAY SUBSTANTIALLY FROM THE PLANS. THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES

FROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE CITY, COUNTY AND STATE "STORM WATER STANDARDS" MUST BE INCORPORATE INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVMENTS
 CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WATER QUALITY
 TECHNICAL REPORT (WOTR), AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP TOE SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00° FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED GRADING SHOWN ON THESE PLANS THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- 5. The contractor or qualified person shall check and maintain all lined and unlined ditches after each rainfall.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL
- 7. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OF RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING
- 9. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE Incorporated Heron, all erosion/sediment control for interim conditions shall be done to the satisfaction of the resident engineer.
- 12. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF AN, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURE AND OTHER RELATED CONSTRUCTION ACTIVITIES.

ABBREVIATIONS

AL ALY ANT AGL AMSL AMPROX AR, A/R BAT BBC BBC BBC BCCAB CCONC CCND DN (E) EMBER EMB	ALUMINUM ALLOY ANTENNA ABOVE GROUND LEVEL ABOVE GROUND LEVEL APROVED APPROVED APPROVED BATTERY BOLT CIRCLE BUILDING BRACKET CABINET CENTERLINE CONCRETE CONDUIT DOWN EXISTING EACH ELEVATION EMBEDMENT EMERGENCY ENCLOSURE EDGE OF PAVEMENT EQUIPMENT EXERTER EXPRES	(F) FLRC FT FS STALY GA GEND MATER DESCRIPTION OF PL NEW YORK OF P	FUTURE FLOOR FACE OF CURB FOOT FARSIDE FASTENER GALVANIZED GAUGE GENERATOR GROUND/GROUNDING INSIDE DIAMETER MATERIAL MANUFACTURER MOUNTING METER MAXIMUM MINIMUM NEW NEARSIDE NOT TO SCALE ON CENTER OUTSIDE DIAMETER PROPOSED PLYWOOD PLACES PANEL PART OF	PRELIM PWR PWR RC RCVR RCVR RCVR RCVR RCVR RCVR RCVR	PRELIMINARY POWER QUANTITY RADIUS RADIATION RAD CENTER RECEIVER RECEIVER REQUIRED RIGHT OF WAY SHEET SUPPLY STAINLESS STL STANDARD STEEL STRUCTURAL SQUARE SWITCH THREAD THICK THINNED TYPICAL UNIFORM BUILDING CODE WITH WITHOUT TRANSFORMER TRANSMITTER
EQ SP HGT	EQUAL SPACE HEIGHT	P/O Posn	PART OF POSITION	XMTR	TRANSMITTER

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 1. MICHIGAN BUILDING CODE IBC. 2. MICHIGAN ADMINISTRATIVE REGULATIONS.
- 3. ANSI/ EIA-222-F LIFE SAFETY CODE NFPA.

PRESSURE REDUCING VALVE

NON-POTABLE VALVE

NON-POTABLE MANHOLE

CATHOIDIC PROT. TEST

PADMOUNTED 3PH XFR

PAD MOUNTED SWITCHING

PAD MOUNTED JUNCTION

PAD MOUNTED CAPACITOR

PAD MOUNTED SECTIONALIZER

PAD MOUNTED BREAK SWITCH

RECTANGLE POWER MANHOLE

LARGE POWER PED

PAD MOUNTED FUSE DISCONNECT

JUNCTION BOX

SUBSURFACE XFR

PULL BOX

- 4. BUILDING OFFICIALS AND CODE
- ADMINISTRATORS (BOCA) 5. MICHIGAN ELECTRICAL CODE NEC.
- 6. MICHIGAN MECHANICAL CODE IMC. 7. MICHIGAN PLUMBING CODE IPC.
- 8. LOCAL BUILDING CODE(S).
- 9. CITY AND/OR COUNTY ORDINANCES. 10. MUST COMPLY TO LATEST MICHIGAN FIRE CODE. (AND LATEST MUNICIPAL FIRE CODE).

TRANSFORMER POLE

TELEPHONE POLE

CATV POLE

STEEL POLE

CONCRETE POLE

TRAFFIC SIGNAL

POWER METER

GAS VALVE

(P) FIBER

(P) NODE

(P) HUB

GAS MANHOLE

NORTH ARROW

(P) FIBER COUNT

(P) FIBER SPLICE

(P) FIBER MIDSHEATH

(P) STORAGE LOOP

SCALE

NTS

MIDSPAN CROSSING

TRAFFIC SIGNAL POLE

➂

JOINT POLE W/ TRANSFORMER

SCALE 3

PROFESSIONAL STAMP

APPLICANT

neī

ARCHITECT/ENGINEER

VERITA

47059 Five Mile Road Plymouth, MI 48170

REVISIONS:

Telecommunications Corporation

PERMITTING

PERMITTING

DESCRIPTION

3030 Warrenville Rd, Suite 340

Lisle, IL 60532

Verità

6/10/2020

5/1/2020

www.extenet.com

YOUR NETWORK

ISSUED FOR PERMITTING

PROJECT NAME:

NC-MI-DTBUND-TMO NC-MI-DTBUND-TMO DEYH006A

PROJECT LOCATION:

20 W RIJZABETH ST DETROIT, MI 48201

SHEET TITLE:

GENERAL NOTES **ABBREVIATIONS** & SYMBOLS

SHEET NUMBER:

GENERAL NOTES

ROW GROUND CONSTRUCTION NOTES:

- 120V POWER REQUIRED FOR 2-WIRE SERVICE.
 GC TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, AND FEDERAL STANDARDS AND REQUIATIONS.
- CALL 811 72 HOURS PRIOR TO EXCAVATING AT (800) 482-7171
- ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER ALL FOLIPMENT TO BE BONDED
- METERING CABINET(IF PLACED) REQUIRES 3' CLEARANCE AT DOOR
- 8. CAULK CABINET BASE AT PAD.

STANDARD GROUNDING NOTES:

- GROUND TESTED AT 25 OHMS OR LESS.
 5/8"x8" ROD, CAD WELD OR UL LISTED DIRECT BURY CLAMP BELOW GRADE
- #6 GROUND AND BOND WIRE.
 MOLDING, STAPLED EVERY 1' AND AT EACH END
- 5. GROUND RODS 3' FROM POLE.

STANDARD CONDUIT NOTES:

- FOR UNDERGROUND USE SCHEDULE 40. FOR RISERS USE SCHEDULE 80.
- I ON NISERS USE SUMEDULE 80.
 PLACE 2" SDR-11 RED CONDUIT FOR UG POWER APPLICATIONS, RISERS TO BE ATTACHED TO POLE WITH STANDARD U-CLAMPS AND LAG SCREWS.
- RISER U-CLAMPS TO BE INSTALLED EVERY 5'.
 CONDUIT UNDER 1" MAY BE ATTACHED WITH GROUND WIRE MOLDING
- 7. ALL CONDUIT WILL BE PROOFED WITH A MANDREL AND EQUIPPED WITH PULL ROPE OR MULE TAPE.

- 1. MAINTAIN 40" MINIMUM COVER FOR ELECTRICAL CONDUIT.
 2. MAINTAIN 40" MINIMUM COVER FOR COMMUNICATIONS CONDUIT.
 3. IN STREET SLURRY TO GRADE AND MILL DOWN 1-1/2" FOR AC CAP.
 4. IN DIRT SLURRY 18" FROM GRADE, AND FILL WITH 95% COMPACTION NATIVE SOIL FOR BALANCE.
 5. PLACE WARNING TAPE IN TRENCH 12" ABOVE ALL CONDUITS AND #18 WARNING TAPE ABOVE GROUND RING.

ROW UTILITY POLE CONSTRUCTION NOTES:

- T-1/2:
 FILL ALL HOLES LEFT IN POLE FROM
 REARRANGEMENT OF CLIMBERS.

 ALL CLIMB STEPS NEXT TO CONDUIT SHALL HAVE
 EXTENDED STEPS.
- 4. CABLE NOT TO IMPEDE 15" CLEAR SPACE OFF CABLES MUST ON FREDE 13 CLEAR SPACE OF POLE FACE (12:00).

 90' SHORT SWEEPS UNDER ANTENNA ARM. ALL CABLES MUST ONLY TRANSITION ON THE INSIDE OR BOTTOM OF ARMS (NO CABLE ON TOP OF
- ARMS).
 USE CABLE CLAMPS TO SECURE CABLE TO
- 6. USE ĆABLE CLAMPS TO SEQURE CABLE TO ARMS; PLACE 2" CARRIER CABLE ID TAGS ON BOTH SIDES OF ARMS.
 7. USE 90" CONNECTOR AT CABLE CONNECTION TO ANTENNAS.
 8. USE 1/2" CABLE ON ANTENNAS UNLESS OTHERWISE SPECIFIED.
 9. FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER INTRUSION.

- s (e) ug sanitary TV —— (E) UG CABLE TV — ⊤ — (E) UG TELEPHONE ---- FO ---- (E) UG FIBER OPTIC — € —— (E) UG POWER -PVR --- (E) OVERHEAD POWER —— DH —— (E) OVERHEAD COMM. — (E) BUILDING ---- (E) WATER BODY _____ (E) WASH/WETLAND — — (E) CULVERT — (E) FENCE --- (E) BLOCK WALL

—II---II--- (E) GUARDRAIL

---- (E) DIRT ROAD

---- (E) LIP OF GUTTER

— (E) ROAD EDGE/CURB

(E) DRIVEWAY

(E) SIDEWALK

(E) UG GAS

— oil — (E) UG PETROLEUM

— - - (E) PROPERTY LINE ── v ── (E) UG WATER --- (E) UG STORM (E) LANE STRIPE (P) AERIAL NEW BUILD — IL — (P) AERIAL OVERLASH — DB — (P) DIRECTIONAL BORE 🖸 — TR — (P) OPEN TRENCH (P) PLOW (P) STATIONING 9-00+00 (P) VAULT ∇ (P) BORE PIT BUSH £3 DECIDUOUS TREE

W

E

CONIFEROUS TREE ELECTRIC SIGN BIKE RACK

— – – (E) BOUNDARY LINE

(E) RIGHT OF WAY

TRASHCAN POST/MARKER

FIBER VAULT

- **©** UNKNOWN MANHOLE ✐ UNKNOWN VAULT
- WATER MANHOLE FIRE HYDRANT BACKFLOW VALVE AIR RELIEF VALVE WATER WELL MONITOR

PLUG & CAP

FIBER PED

TELEPHONE MANHOLE

TELEPHONE LARGE PED

TELEPHONE SMALL PED

TELEPHONE VAULT

CATV HAND HOLE

CATV LARGE PED

CABLE SMALL PED

STORM CATCH BASIN

WATER BLOW OFF

WATER CURB BOX

WATER VALVE

SANITARY SEWER MANHOLE [J]

STORM SEWER MANHOLE

WATER GATE AND VALVE

POWER MANHOLE EC

Z

*****/*

•

757

ELECTRIC CABINET CROSS WALK POLE LIGHT POLE SMALL LIGHT POLE LARGE

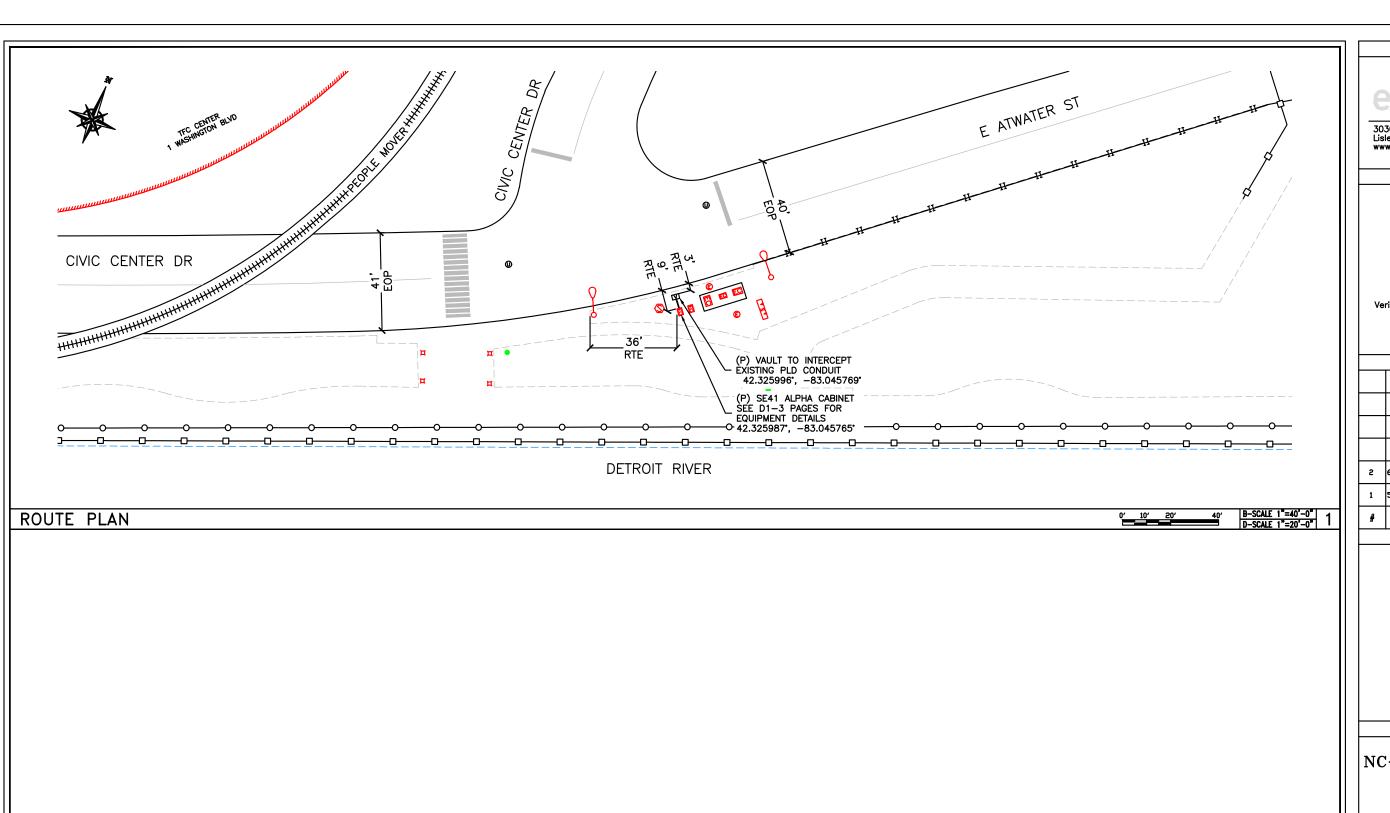
CONTRACT CO POWER POLE

ROW CONSTRUCTION GENERAL NOTES LEGEND & SYMBOLS

 \Rightarrow

 \bowtie

(MS)



APPLICANT



3030 Warrenville Rd, Suite 340 Lisle, IL 60532 www.extenet.com

ARCHITECT/ENGINEER



Verità Telecommunications Corporation 47059 Five Mile Road Plymouth, MI 48170

		REVISIONS:			
5	6/10/2020	PERMITTING	JL		
1	5/1/2020	PERMITTING	JL		
#	DATE	DESCRIPTION	INT.		

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PROFESSIONAL STAMP

PROJECT NAME:

NC-MI-DTBUND-TMO DEYH006A

PROJECT LOCATION:

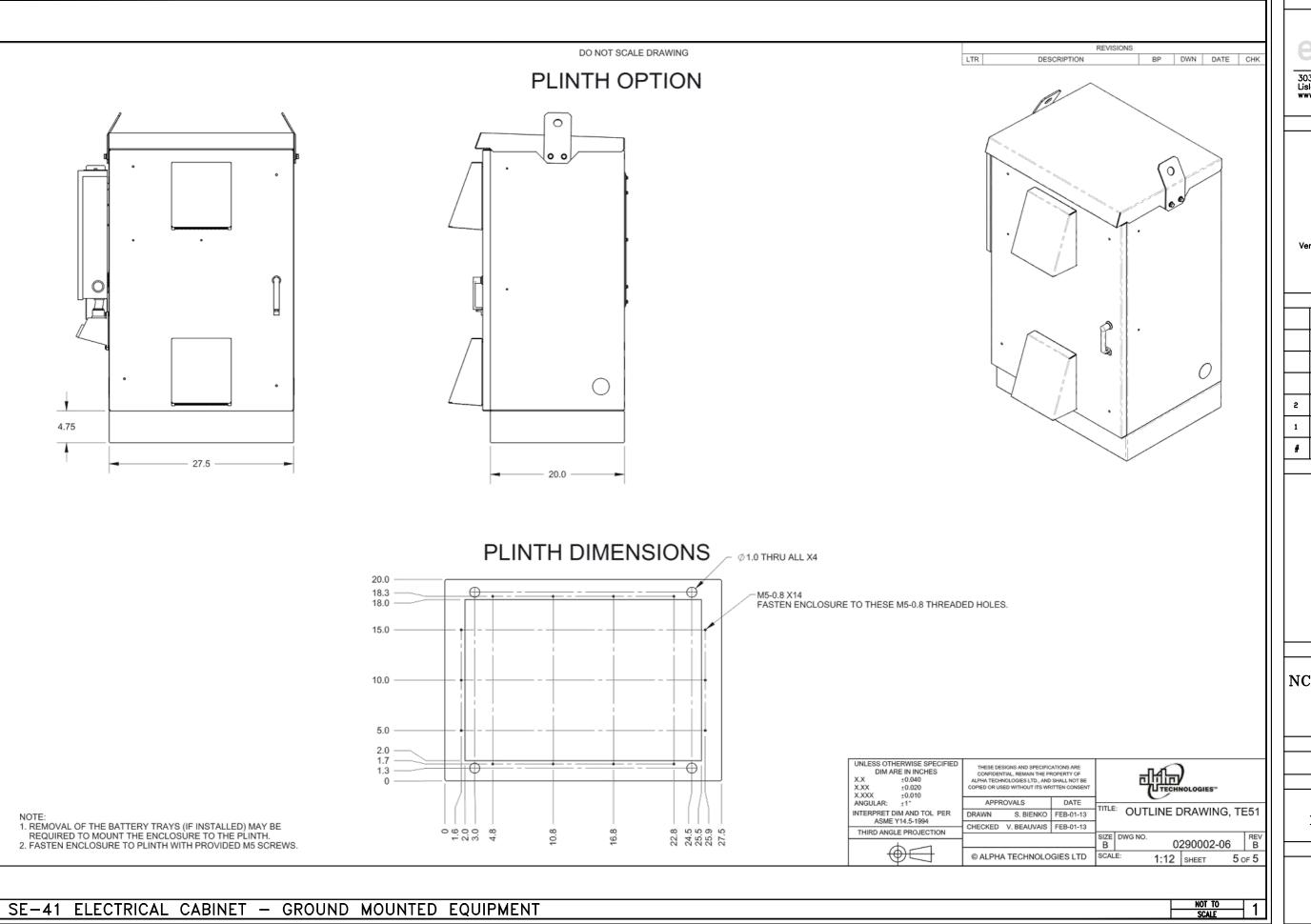
20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

ROUTE PLAN CIVIC CENTER DR & E ATWATER ST

SHEET NUMBER:

P1





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Plymouth, MI 48170

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#	DATE	DESCRIPTION	INT.				

PROFESSIONAL STAMP

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PROJECT NAME:

NC-MI-DTBUND-TMO DEYH006A

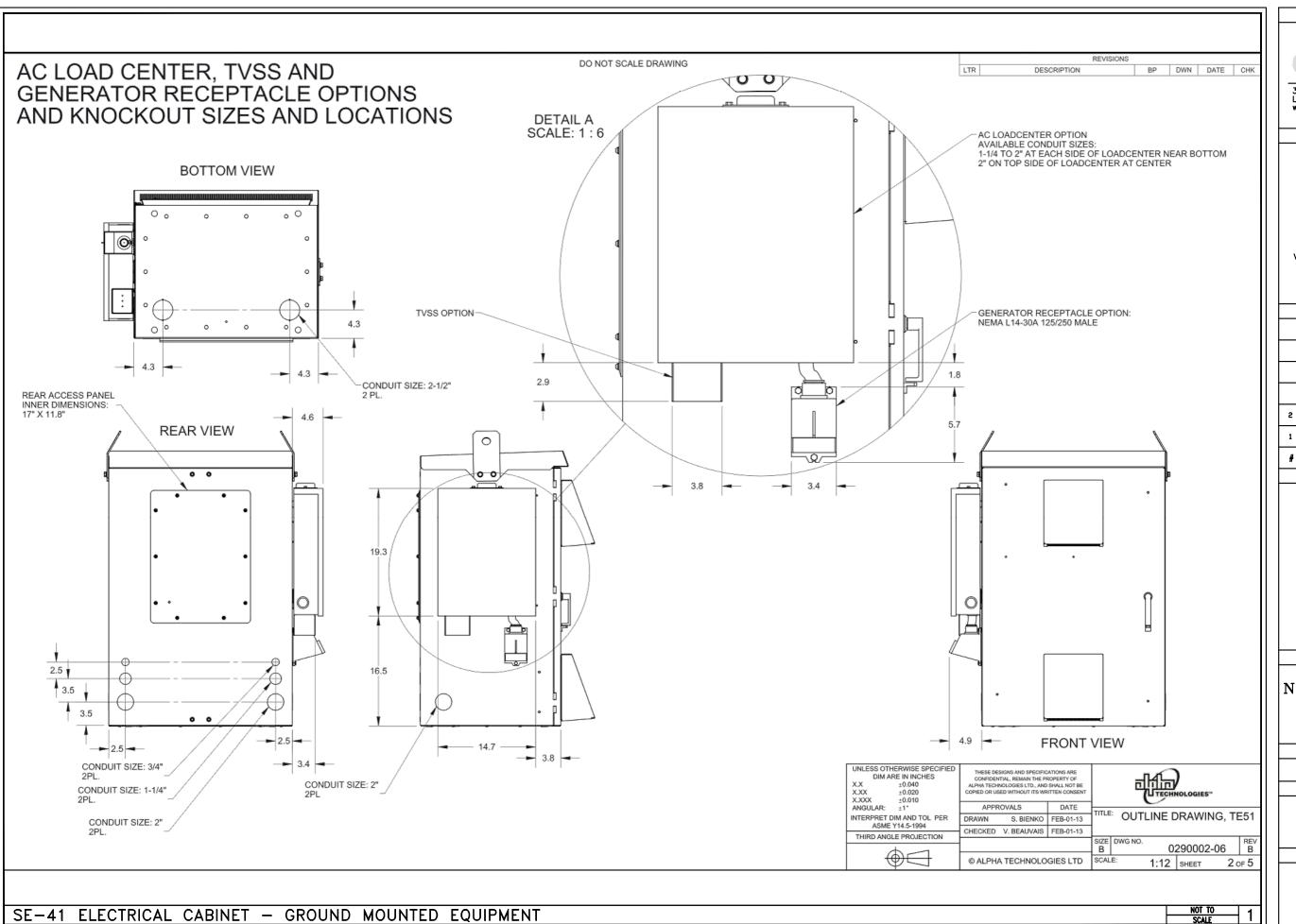
PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

GROUND MOUNTED EQUIPMENT DETAILS

SHEET NUMBER:





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TELECOMMUNICATIONS COMPONATION

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PROJECT NAME:

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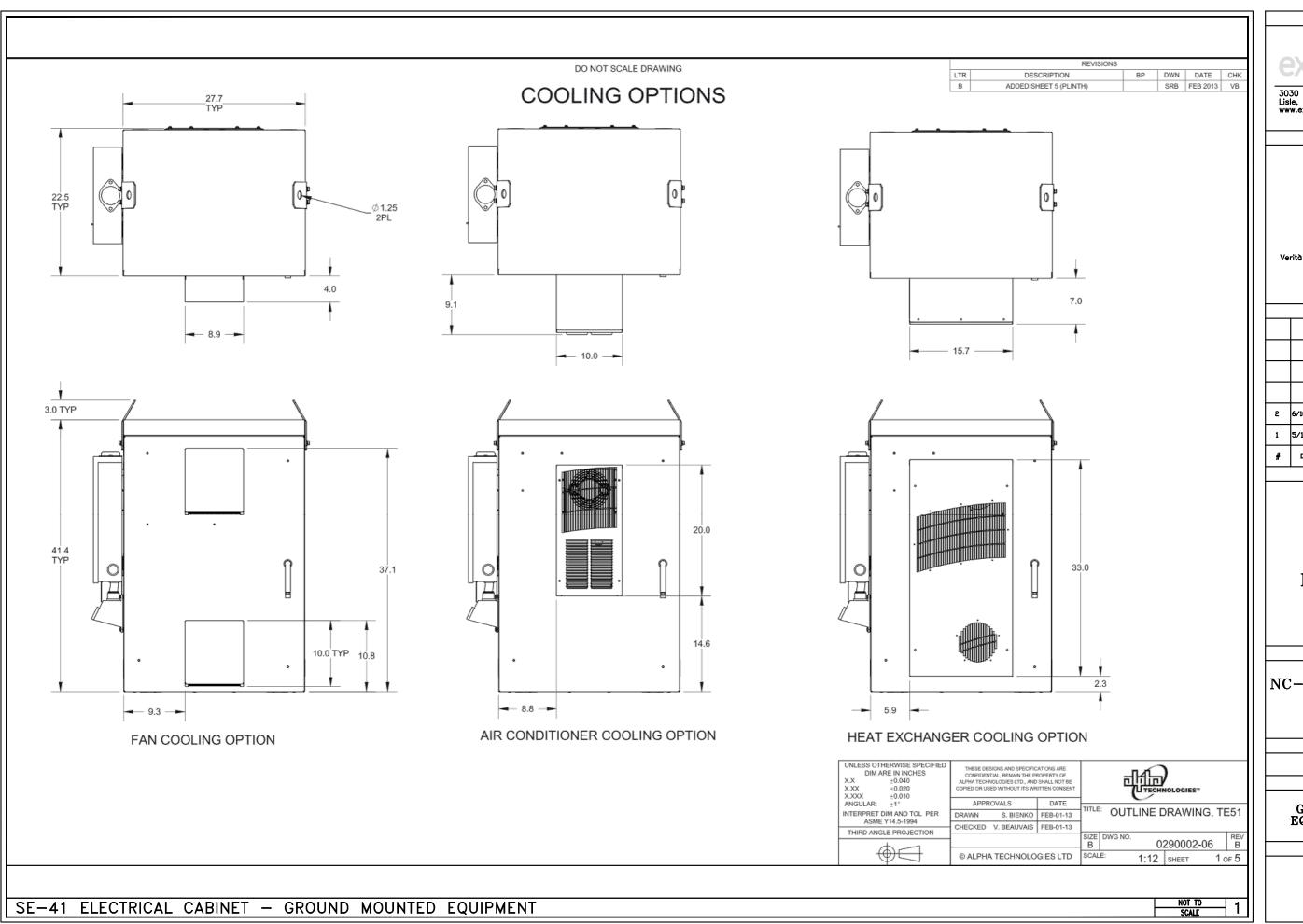
PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201

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GROUND MOUNTED EQUIPMENT DETAILS

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47059 Five Mile Road
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		REVISIONS:				
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1	5/1/2020	PERMITTING	JL			
#	DATE	DESCRIPTION	INT.			

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ISSUED FOR PERMITTING

PROJECT NAME:

NC-MI-DTBUND-TMO DEYH006A

PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201 SHEET TITLE:

SHEET TILE:

GROUND MOUNTED EQUIPMENT DETAILS

SHEET NUMBER:

G,B



PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

APPLICANT



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ARCHITECT/ENGINEER



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REVISIONS:						
6/10/2020	PERMITTING					
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PERMITTING

PERMITTING

DESCRIPTION

PROFESSIONAL STAMP

3/12/2020

DATE

ISSUED FOR PERMITTING

PROJECT NAME:

NC-MI-DTBUND-TMO DEYH006A

PROJECT LOCATION:

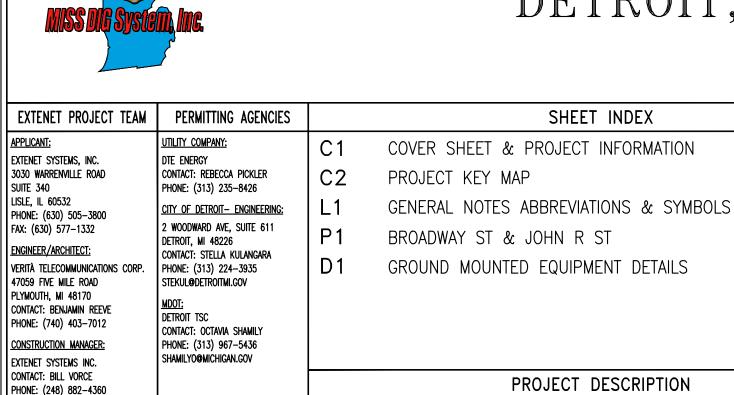
20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

COVER SHEET & PROJECT INFORMATION

SHEET NUMBER:

NC-MI-DTBUND-TMO DEYH006A ALPHA CABINET (A) DETROIT, MI



PROJECT DESCRIPTION

THESE DRAWINGS DEPICT A PORTION OF A SMALL CELL SYSTEM TELECOMMUNICATIONS NETWORK, TO BE CONSTRUCTED, OWNED AND OPERATED BY EXTENET SYSTEMS, IN THE PUBLIC RIGHT OF WAY PURSUANT TO AUTHORITY GRANTED BY THE MICHIGAN METRO ACT.

THE MAIN COMPONENTS OF THIS INSTALLATION ARE:

THE INSTALLATION OF ONE (1) ALPHA TE-33 ELECTRICAL CABINET, ASSOCIATED ELECTRICAL COMPONENTS, AND

VICINITY MAP

SUITE 340 LISLE, IL 60532 CONTACT: KEVIN TROPECK PHONE: (724) 312-5174

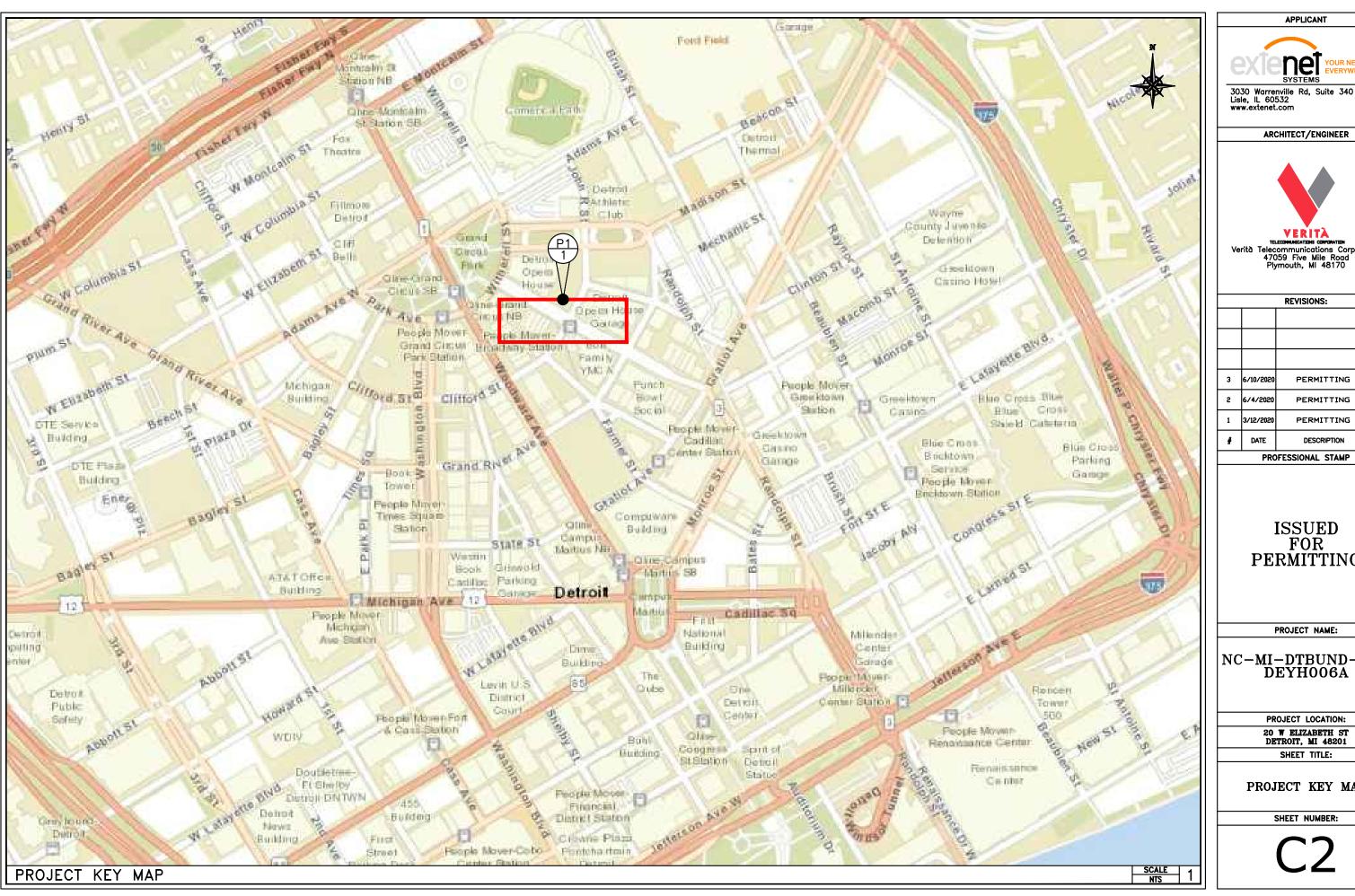
3030 WARRENVILLE ROAD

PROJECT MANAGER: EXTENET SYSTEMS INC.

MUNICIPAL AFFAIRS:

CONTACT: KEITH DAVIDOW PHONE: (248) 252-2000

EXTENET SYSTEMS INC.







elecommunications Corporation 47059 Five Mile Road Plymouth, MI 48170

	REVISIONS:					
3	6/10/2020	PERMITTING	JL			
2	6/4/2020	PERMITTING	JL			
1	3/12/2020	PERMITTING	JL			
#	DATE	DESCRIPTION	INT.			

ISSUED FOR **PERMITTING**

PROJECT NAME:

NC-MI-DTBUND-TMO DEYH006A

> PROJECT LOCATION: 20 W ELIZABETH ST DETROIT, MI 48201 SHEET TITLE:

PROJECT KEY MAP

SHEET NUMBER:

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICA. OR CONTROLLING MONUMENTS PRORT TO ANY EARTHWORK. F DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR FEOCORD OR FEOCORD SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT.

- 2. IMPORTANT NOTICE: CALL UNDERGROUND SERVICE ALERT, 811/TOLL FREE (800) 482-7171, THREE
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POT HOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN A 1' MINIMUM VERTICAL CLEARANCE.
- I. IF ANY EXISTING HARDSCAPE OR LANDSCAPE INDICATED ON THE APPROVE PLANS IS DAMAGED OF REMOVED DURING DEMOLITION OR CONSTRUCTION, IT SHALL BE REPAIRED AND/OR REPLACED IN KIND PER THE APPROVED PLANS.
- 5. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- 6. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND FIELD ENGINEERING DIVISION
- 7. MANHOLES OR COVERS SHALL BE LABELED EXTENET.
- 8. CONTRACTOR SHALL IMPLEMENT AN EROSION CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE
- THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEMER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.



- 1. INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL:
 ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOB SITE CONDITIONS DURING THE COURSE OF
 CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES. THAT THESE
 REQUIREMENTS SHALL APPLY CONTRINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND
 CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND NOBEMITY AND HOLD EXTENT, REPRESENTATION
 AND ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE
 PERFERDMANCE OF THE WORK ON THIS PROJECT.
- 2. PRIOR TO THE REGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK. THE CONTRACTOR SHALL FULLY COMPLY WITH "MICHIGAN OCCUPATIONAL SAFETY AND HEALTH" ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.
- 3. ALL WORK SHALL CONFORM TO THE LATEST STANDARD "SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUMS.
- 4. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES AS SHOWN HERON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST. THE CONTRACTOR SHALL VERIFY PRIOR TO THE START OF CONSTRUCTION AND SHALL USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THESE FACILITIES. THE CONTRACTION IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY.
- THE CONTRACTOR SHALL NOTIFY THE CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT, AT LEAST TWO DAYS BEFORE START OF ANY WORK REQUIRING THEIR INVOLVEMENT.
- 6. THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.
- 7. THE MINIMUM COVER FOR ALL CONDUITS PLACED UNDERGROUND SHALL BE 36 INCHES TO THE FINISHED
- 8. THE CONTRACTOR SHALL TUNNEL ALL CURB AND GUTTERS AND BORE ALL CONCRETE DRIVEWAYS AND WALKWAYS AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEER.
- 9. ALL A.C AND/OR CONCRETE PAVEMENT SHALL BE REPLACED AT THE DIRECTION OF THE CITY, COUNTY OR
- 10. ALL SHRUBS, PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK, SHALL BE REPLANTED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL
- 11. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROCESSING OF ALL APPLICANT PERMIT FORMS ALONG WITH THE REQUIRED LIABILITY INSURANCE FORMS, CLEARLY DEMONSTRATING THAT EXTENET, THE CITY, COUNTY OR STATE IS ALSO INSURED WITH THE REQUIRED LIABILITY INSURANCE FOR THIS CONSTRUCTION PROJECT.
- 12. VAULTS, PEDESTALS, CONDUITS AND OTHER TYPES OF SUBSTRUCTURE ARE EITHER SPECIFIED ON THIS PLAN OR WILL BE SPECIFIED BY THE CONSTRUCTION ENGINEER. ANY AND ALL DEVIATIONS FROM THE SPECIFIED TYPES OF MATERIAL MUST BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.
- 13. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES IN INCLUDING SEWER LATERALS & WATER SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT
- 14. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXPLORATION OF THE PRICE OF THE P
- 15. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE, WITH FIELD TIES, THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORZONITAL AND VERTICALLY, PRIOR TO CONSTRUCTION, IF EXISTING LOCATIONS WAY SUBSTANTIALLY FROM THE PLANS. THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES

FROSION AND SEDIMENT CONTROL NOTES

- TEMPORARY EROSION/SEDIMENT CONTROL PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:
- 1. ALL REQUIREMENTS OF THE CITY, COUNTY AND STATE "STORM WATER STANDARDS" MUST BE INCORPORATE INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVMENTS
 CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WATER QUALITY
 TECHNICAL REPORT (WOTR), AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP TOE SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED GRADING SHOWN ON THESE PLANS THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- 5. The contractor or qualified person shall check and maintain all lined and unlined ditches after each rainfall.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL
- 7. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OF RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING
- 9. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE Incorporated Heron, all erosion/sediment control for interim conditions shall be done to the satisfaction of the resident engineer.
- 12. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF AN, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURE AND OTHER RELATED CONSTRUCTION ACTIVITIES.

ABBREVIATIONS

AL ALY AGL AMSL APPROX AR, A/R BAT BLDG BRKT CAB CONC CONC CONC CND DN (E) EA EL EMBED	ALUMINUM ALLOY ANTENNA ABOVE GROUND LEVEL APPROVED APPROVED BATTERY BOLT CIRCLE BUILDING BRACKET CABINET CONCRETE CONCRETE CONCRETE CONTROL EXISTING EACH EACH EACH EACH EACH EACH EACH EACH	(F) FLRC FT FSTNR GAEND MATER MID MATER MIN MIN NS NS OOD	FUTURE FLOOR FACE OF CURB FOOT FARSIDE FASTENER GALVANIZED GAUGE GENERATOR GROUND/GROUNDING INSIDE DIAMETER MATERIAL MANUFACTURER MOUNTED MOUNTING METER MAXIMUM MINIMUM NEARSIDE NOT TO SCALE ON CENTER OUTSIDE DIAMETER	PRELIM PWR GR RAD RCVR RCVR RELOC RECON SH Y SSTD STIRL SQ W HHK INNP YBB UBC	PRELIMINARY POWER OUANTITY RADIUS RADIATION RAD CENTER RECEIVER RECEIVER RECIPLE RIGHT OF WAY SHEET SUPPLY STAINLESS STL STAINLESS STL STAINLESS STL STAINLESS STL STAINLESS STL STRUCTURAL SQUARE SWITCH THREAD THICK TINNED TIYPICAL UNIFORM
	EXISTING EACH ELEVATION	NTS OC	NEARSIDE NOT TO SCALE ON CENTER	THK TNND TYP	THICK TINNED TYPICAL
EMER ENCL EP,EOP EQPT EQ SP HGT	EMERGENCY ENCLOSURE EDGE OF PAVEMENT EQUIPMENT EQUAL SPACE HEIGHT	(P) PLYWD PL PNL P/O POSN	PROPOSED PLYWOOD PLACES PANEL PART OF POSITION	W/ W/O XMFR XMTR	BUILDING CODE WITH WITHOUT TRANSFORMER TRANSMITTER

CODE COMPLIANCE

- ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
- 1. MICHIGAN BUILDING CODE IBC.
- 2. MICHIGAN ADMINISTRATIVE REGULATIONS. 3. ANSI/ EIA-222-F LIFE SAFETY CODE NFPA.
- 4. BUILDING OFFICIALS AND CODE

PRESSURE REDUCING VALVE

NON-POTABLE VALVE

NON-POTABLE MANHOLE

CATHOIDIC PROT. TEST

PADMOUNTED 3PH XFR

PAD MOUNTED SWITCHING

PAD MOUNTED JUNCTION

JUNCTION BOX

SUBSURFACE XFR

PULL BOX

- ADMINISTRATORS (BOCA) 5. MICHIGAN ELECTRICAL CODE NEC.
- 6. MICHIGAN MECHANICAL CODE IMC. 7. MICHIGAN PLUMBING CODE IPC. 8. LOCAL BUILDING CODE(S).
- 9. CITY AND/OR COUNTY ORDINANCES.
- 10. MUST COMPLY TO LATEST MICHIGAN FIRE CODE. (AND LATEST MUNICIPAL FIRE CODE).

TRANSFORMER POLE

TELEPHONE POLE

CATV POLE

STEEL POLE

CONCRETE POLE

➂

JOINT POLE W/ TRANSFORMER

SCALE 3

ISSUED FOR

PROFESSIONAL STAMP

NC-MI-DTBUND-TMO NC-MI-DTBUND-TMO

PROJECT LOCATION:

DETROIT, MI 48201

SHEET TITLE:

ABBREVIATIONS & SYMBOLS

GENERAL NOTES

ROW GROUND CONSTRUCTION NOTES:

- 120V POWER REQUIRED FOR 2-WIRE SERVICE.
 GC TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, AND FEDERAL STANDARDS AND REQUIATIONS.
- CALL 811 72 HOURS PRIOR TO EXCAVATING AT (800) 482-7171
- ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR RETTER ALL FOLIPMENT TO BE BONDED
- METERING CABINET(IF PLACED) REQUIRES 3' CLEARANCE AT DOOR
- 8. CAULK CABINET BASE AT PAD.

STANDARD GROUNDING NOTES:

- GROUND TESTED AT 25 OHMS OR LESS.
 5/8"x8" ROD, CAD WELD OR UL LISTED DIRECT BURY CLAMP BELOW GRADE
- #6 GROUND AND BOND WIRE.
 MOLDING, STAPLED EVERY 1' AND AT EACH END
- 5. GROUND RODS 3' FROM POLE.

STANDARD CONDUIT NOTES:

- FOR UNDERGROUND USE SCHEDULE 40. FOR RISERS USE SCHEDULE 80.
- I ON NISERS USE SUMEDULE 80.
 PLACE 2" SDR-11 RED CONDUIT FOR UG POWER APPLICATIONS, RISERS TO BE ATTACHED TO POLE WITH STANDARD U-CLAMPS AND LAG SCREWS.
- RISER U-CLAMPS TO BE INSTALLED EVERY 5'.
 CONDUIT UNDER 1" MAY BE ATTACHED WITH GROUND WIRE MOLDING

- 7. ALL CONDUIT WILL BE PROOFED WITH A MANDREL AND EQUIPPED WITH PULL ROPE OR MULE TAPE.

- 1. MAINTAIN 40" MINIMUM COVER FOR ELECTRICAL CONDUIT.
 2. MAINTAIN 40" MINIMUM COVER FOR COMMUNICATIONS CONDUIT.
 3. IN STREET SLURRY TO GRADE AND MILL DOWN 1-1/2" FOR AC CAP.
 4. IN DIRT SLURRY 18" FROM GRADE, AND FILL WITH 95% COMPACTION NATIVE SOIL FOR BALANCE.
 5. PLACE WARNING TAPE IN TRENCH 12" ABOVE ALL CONDUITS AND #18 WARNING TAPE ABOVE GROUND RING.

ROW UTILITY POLE CONSTRUCTION NOTES:

- T-1/2:
 FILL ALL HOLES LEFT IN POLE FROM REARRANGEMENT OF CLIMBERS.

 ALL CLIMB STEPS NEXT TO CONDUIT SHALL HAVE EXTENDED STEPS.
- 4. CABLE NOT TO IMPEDE 15" CLEAR SPACE OFF
- CABLES MUST ON FREDE 13 CLEAR SPACE OF POLE FACE (12:00).

 90' SHORT SWEEPS UNDER ANTENNA ARM. ALL CABLES MUST ONLY TRANSITION ON THE INSIDE OR BOTTOM OF ARMS (NO CABLE ON TOP OF ARMS).
 USE CABLE CLAMPS TO SECURE CABLE TO
- 6. USE CABLE CLAMPS TO SECURE CABLE TO ARMS; PLACE 2" CARRIER CABLE ID TAGS ON BOTH SIDES OF ARMS.
 7. USE 90" CONNECTOR AT CABLE CONNECTION TO ANTENNAS.
 8. USE 1/2" CABLE ON ANTENNAS UNLESS OTHERWISE SPECIFIED.
 9. FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER INTRUSION.

- s (e) ug sanitary TV —— (E) UG CABLE TV → T —— (E) UG TELEPHONE — FO — (E) UG FIBER OPTIC — € —— (E) UG POWER -PVR --- (E) OVERHEAD POWER —— DH —— (E) OVERHEAD COMM. (E) BUILDING — — — — (E) WATER BODY _____ (E) WASH/WETLAND — — (E) CULVERT — (E) FENCE --- (E) BLOCK WALL —II---II--- (E) GUARDRAIL — (E) ROAD EDGE/CURB ---- (E) LIP OF GUTTER ---- (E) DIRT ROAD

(E) UG GAS

--- OIL --- (E) UG PETROLEUM

── v ── (E) UG WATER

--- (E) UG STORM

— - - (E) PROPERTY LINE TELEPHONE LARGE PED (E) LANE STRIPE TELEPHONE SMALL PED (P) AERIAL NEW BUILD CATV HAND HOLE — IL — (P) AERIAL OVERLASH — DB — (P) DIRECTIONAL BORE 🖸 CATV LARGE PED — TR — (P) OPEN TRENCH CABLE SMALL PED (P) PLOW (P) STATIONING 9-00+00 (P) VAULT ∇ (P) BORE PIT WATER BLOW OFF WATER VALVE BUSH DECIDUOUS TREE WATER CURB BOX CONIFEROUS TREE ELECTRIC SIGN **©** WATER MANHOLE BIKE RACK FIRE HYDRANT **TRASHCAN** WATER VAULT POST/MARKER BACKFLOW VALVE

— – – (E) BOUNDARY LINE

(E) RIGHT OF WAY

- SANITARY SEWER MANHOLE [J] STORM SEWER MANHOLE STORM CATCH BASIN WATER GATE AND VALVE
- UNKNOWN MANHOLE ✐
 - AIR RELIEF VALVE WATER WELL MONITOR PLUG & CAP

FIBER PED

TELEPHONE MANHOLE

TELEPHONE VAULT

- Z PAD MOUNTED SECTIONALIZER PAD MOUNTED CAPACITOR PAD MOUNTED BREAK SWITCH *****/* PAD MOUNTED FUSE DISCONNECT • RECTANGLE POWER MANHOLE 757 LARGE POWER PED POWER MANHOLE EC ELECTRIC CABINET CROSS WALK POLE LIGHT POLE SMALL LIGHT POLE LARGE
 - CONTRACT CO POWER POLE

MIDSPAN CROSSING TRAFFIC SIGNAL POWER METER TRAFFIC SIGNAL POLE GAS VALVE GAS MANHOLE NORTH ARROW (P) FIBER \Rightarrow (P) FIBER COUNT \bowtie (P) FIBER SPLICE (MS) (P) FIBER MIDSHEATH (P) NODE

(P) HUB (P) STORAGE LOOP

ROW CONSTRUCTION GENERAL NOTES

LEGEND & SYMBOLS

(E) DRIVEWAY

(E) SIDEWALK

W

E

UNKNOWN VAULT

FIBER VAULT

SCALE NTS

VERITA Telecommunications Corporation 47059 Five Mile Road Plymouth, MI 48170

APPLICANT

neī

ARCHITECT/ENGINEER

3030 Warrenville Rd, Suite 340

Lisle, IL 60532

Verità

www.extenet.com

YOUR NETWORK

REVISIONS: 6/10/2020 PERMITTING 6/4/2020 PERMITTING 3/12/2020 PERMITTING DESCRIPTION

PERMITTING

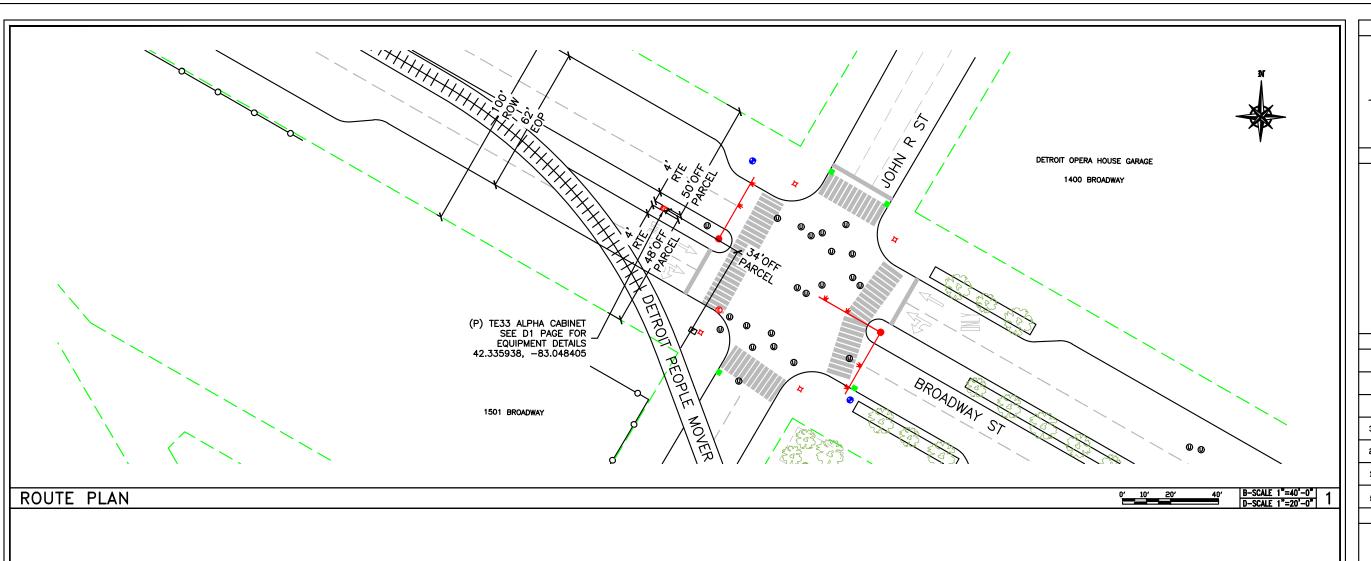
PROJECT NAME:

DEYH006A

20 W KLIZABETH ST

GENERAL NOTES

SHEET NUMBER:



APPLICANT



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PROFESSIONAL STAMP

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PROJECT NAME:

NC-MI-DTBUND-TMO DEYH006A

PROJECT LOCATION:

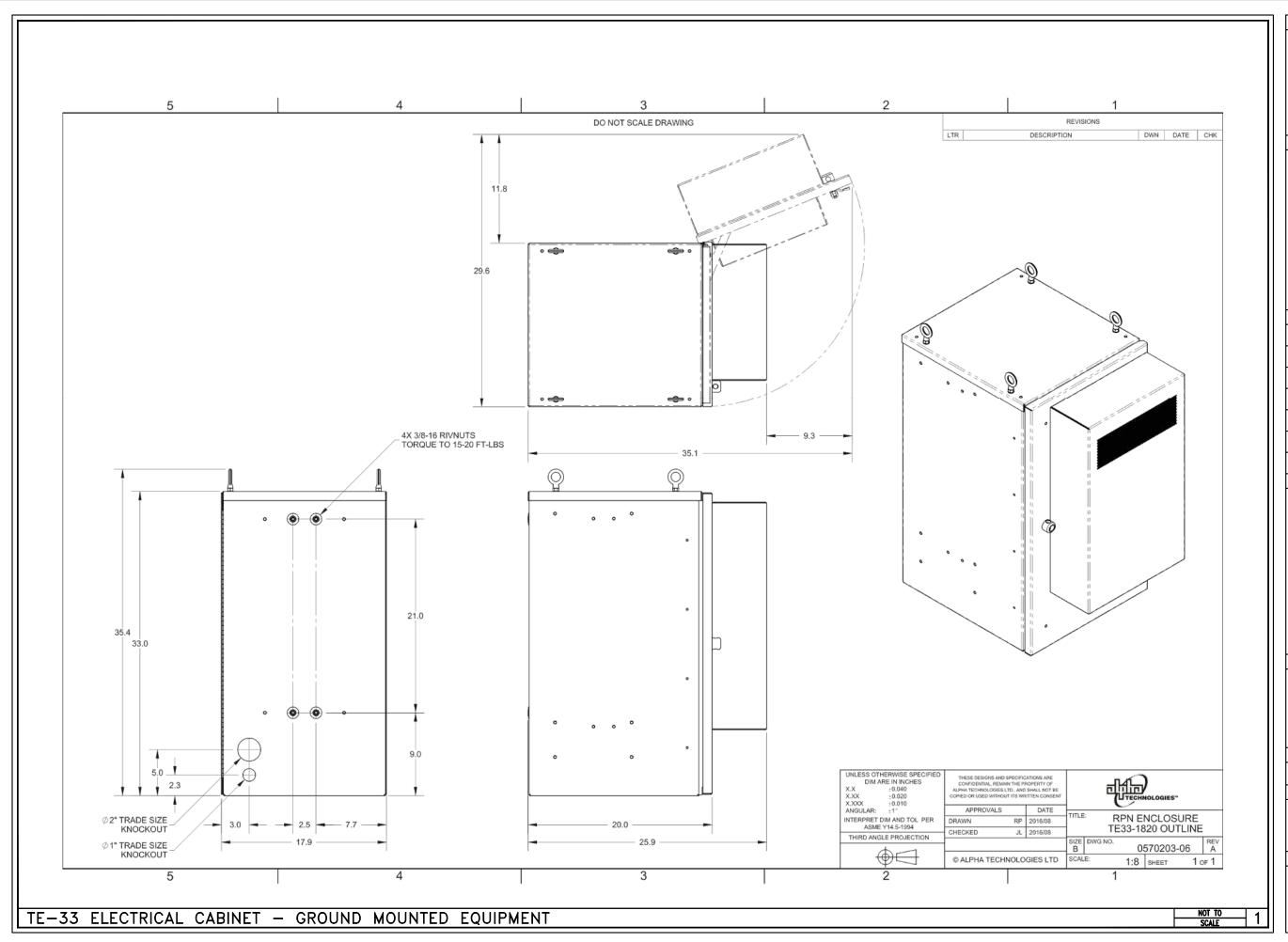
20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

ROUTE PLAN BROADWAY ST & JOHN R ST

SHEET NUMBER:

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PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

ROUTE PLAN E MONTCALM ST & BRUSH ST

SHEET NUMBER:





PROPRIETARY INFORMATION

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PROJECT NAME:

NC-MI-DTBUND-TMO DE02029B SE41 ALPHA CABINET

PROJECT LOCATION:

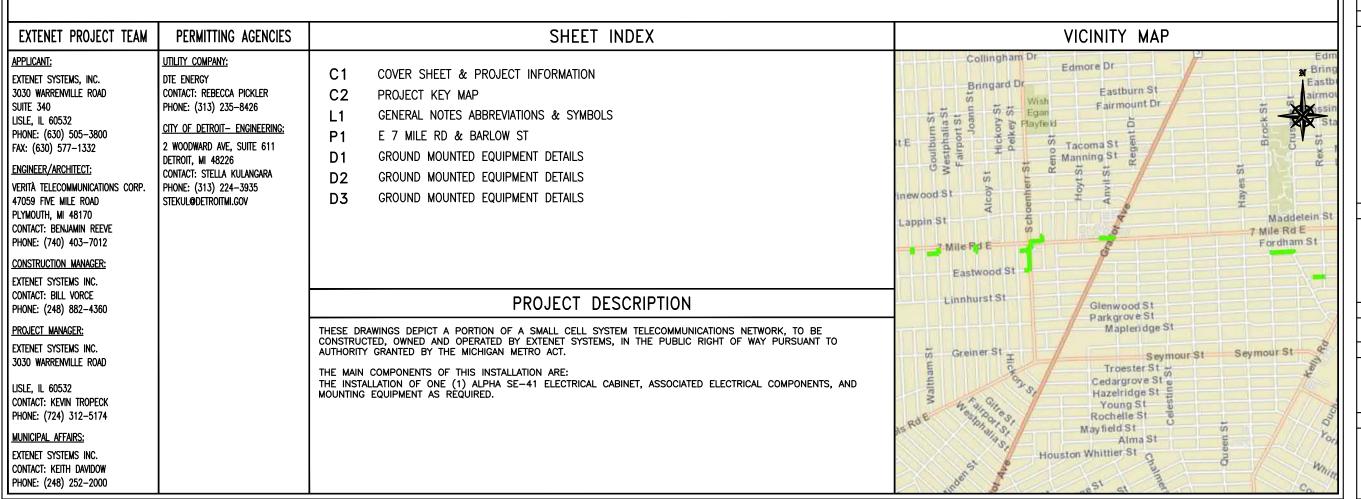
DETROIT

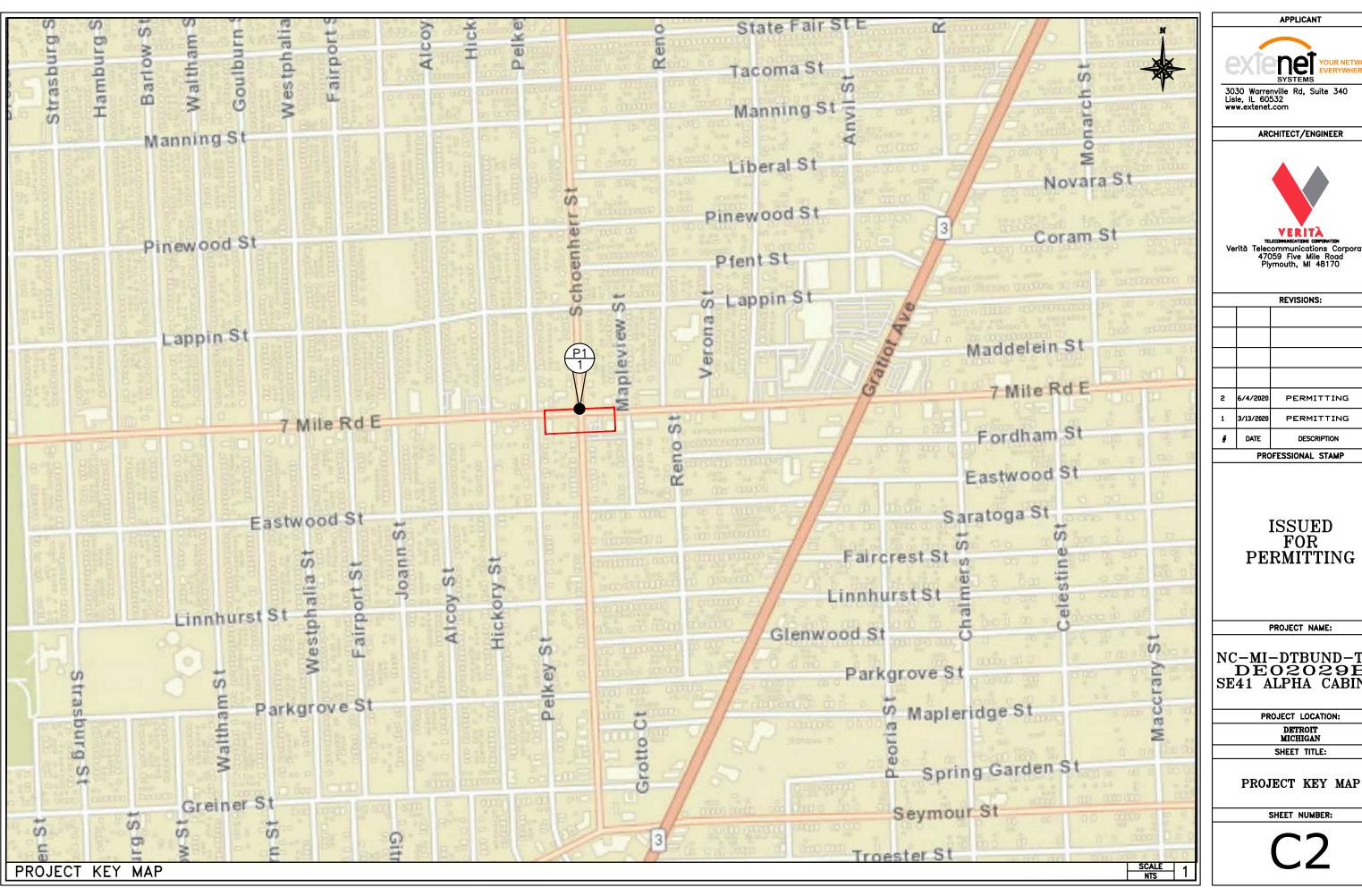
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COVER SHEET & PROJECT INFORMATION

SHEET NUMBER:

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#	DATE	DESCRIPTION	IN		

ISSUED PERMITTING

NC-MI-DTBUND-TMO DEO2029B SE41 ALPHA CABINET

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICA. OR CONTROLLING MONUMENTS PRORT TO ANY EARTHWORK. F DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR FEOCORD OR FEOCORD SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT.

- 2. IMPORTANT NOTICE: CALL UNDERGROUND SERVICE ALERT, 811/TOLL FREE (800) 482-7171, THREE
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POT HOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN A 1' MINIMUM VERTICAL CLEARANCE.
- I. IF ANY EXISTING HARDSCAPE OR LANDSCAPE INDICATED ON THE APPROVE PLANS IS DAMAGED OF REMOVED DURING DEMOLITION OR CONSTRUCTION, IT SHALL BE REPAIRED AND/OR REPLACED IN KIND PER THE APPROVED PLANS.
- 5. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- 6. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND FIELD ENGINEERING DIVISION
- 8. CONTRACTOR SHALL IMPLEMENT AN EROSION CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE
- THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEMER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.



- 1. INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL:
 ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOB SITE CONDITIONS DURING THE COURSE OF
 CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES. THAT THESE
 REQUIREMENTS SHALL APPLY CONTRINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND
 CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND NOBEMITY AND HOLD EXTENT, REPRESENTATION
 AND ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE
 PERFERDMANCE OF THE WORK ON THIS PROJECT.
- 2. PRIOR TO THE REGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK. THE CONTRACTOR SHALL FULLY COMPLY WITH "MICHIGAN OCCUPATIONAL SAFETY AND HEALTH" ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.
- 3. ALL WORK SHALL CONFORM TO THE LATEST STANDARD "SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUMS.
- 4. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES AS SHOWN HERON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST. THE CONTRACTOR SHALL VERIFY PRIOR TO THE START OF CONSTRUCTION AND SHALL USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THIESE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY
- THE CONTRACTOR SHALL NOTIFY THE CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT, AT LEAST TWO DAYS BEFORE START OF ANY WORK REQUIRING THEIR INVOLVEMENT.
- 6. THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.
- 7. THE MINIMUM COVER FOR ALL CONDUITS PLACED UNDERGROUND SHALL BE 36 INCHES TO THE FINISHED
- 8. THE CONTRACTOR SHALL TUNNEL ALL CURB AND GUTTERS AND BORE ALL CONCRETE DRIVEWAYS AND WALKWAYS AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEER.
- 9. ALL A.C AND/OR CONCRETE PAVEMENT SHALL BE REPLACED AT THE DIRECTION OF THE CITY, COUNTY OR
- 10. ALL SHRUBS, PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK, SHALL BE REPLANTED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL
- 11. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROCESSING OF ALL APPLICANT PERMIT FORMS ALONG WITH THE REQUIRED LIABILITY INSURANCE FORMS, CLEARLY DEMONSTRATING THAT EXTENET, THE CITY, COUNTY OR STATE IS ALSO INSURED WITH THE REQUIRED LIABILITY INSURANCE FOR THIS CONSTRUCTION PROJECT.
- 12. VAULTS, PEDESTALS, CONDUITS AND OTHER TYPES OF SUBSTRUCTURE ARE EITHER SPECIFIED ON THIS PLAN OR WILL BE SPECIFIED BY THE CONSTRUCTION ENGINEER. ANY AND ALL DEVATIONS FROM THE SPECIFIED TYPES OF MATERIAL MUST BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.
- 13. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES IN INCLUDING SEWER LATERALS & WATER SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT
- 14. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXPLORATION OF THE PRICE OF THE P
- 15. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE, WITH FIELD TIES, THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORZONITAL AND VERTICALLY, PRIOR TO CONSTRUCTION, IF EXISTING LOCATIONS WAY SUBSTANTIALLY FROM THE PLANS. THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES

FROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE CITY, COUNTY AND STATE "STORM WATER STANDARDS" MUST BE INCORPORATE INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVMENTS
 CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WATER QUALITY
 TECHNICAL REPORT (WOTR), AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADMCENT TO TOP, OE SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00' FREEDBOARD IS NOSTS AND IS MANTANED ABOVE THE TOP OF THE INLET. IF REEDBOARD IS NOT PROVIDED BY GRADING, SHOWN ON THESE PLANS THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, LE.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- 5. The contractor or qualified person shall check and maintain all lined and unlined ditches after each rainfall.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL
- 7. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OF RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING
- 9. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HERON, ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 12. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF AN, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURE AND OTHER RELATED CONSTRUCTION ACTIVITIES.

E

ABBREVIATIONS

AL ALY ANT AGL	ALUMINUM ALLOY ANTENNA ABOVE GROUND LEVEL	(F) FLR FOC FT FS	Future Floor Face of Curb Foot Farside	PRELIM PWR QTY R RAD	PRELIMINARY POWER QUANTITY RADIUS RADIATION
AMSL	above mean sea level	FSTNR Galv	FASTENER GALVANIZED	rc RCVR	rad center receiver
APVD APPROX AR, A/R BAT BC BLDG BRKT CAB CL CONC CND	APPROVED APPROXIMATE AS REQUIRED BATTERY BOLT CIRCLE BUILDING BRACKET CABINET CENTERLINE CONCRETE CONCDUIT	GA GEN GND ID MATL MFR MTD MTG MTR MAX MIN	GAUGE GENERATOR GROUND/GROUNDING INSIDE DIAMETER MATERIAL MANUFACTURER MOUNTED MOUNTING METER MAXIMUM MINIMUM	RELOC REQD ROW SH SPLY SS STD STL STRL SQ SW	RELOCATED REQUIRED REGHT OF WAY SHEET SUPPLY STAINLESS STL STANDARD STEEL STEUCTURAL SQUARE SWITCH
DN (E) EA EL EMBED EMER ENCL EP,EOP EQPT EQ SP HGT	DOWN EXISTING EACH ELEVATION EMBEDMENT EMERGENCY ENCLOSURE EDGE OF PAVEMENT EQUIPMENT EQUIPLENT EMBRIT EM	(N) NS NTS OC OD (P) PLYWD PL PNL P/O POSN	NEW NEARSIDE NOT TO SCALE ON CENTER OUTSIDE DIAMETER PROPOSED PLYWOOD PLACES PANEL PART OF POSITION	THD THK TNND TYP UBC W/O XMFR XMTR	THREAD THICK TINNED TYPICAL UNIFORM BUILDING CODE WITH WITHOUT TRANSFORMER TRANSMITTER

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 1. MICHIGAN BUILDING CODE IBC.
- 2. MICHIGAN ADMINISTRATIVE REGULATIONS. 3. ANSI/ EIA-222-F LIFE SAFETY CODE NFPA.

PRESSURE REDUCING VALVE

NON-POTABLE VALVE

NON-POTABLE MANHOLE

CATHOIDIC PROT. TEST

PADMOUNTED 3PH XFR

PAD MOUNTED SWITCHING

PAD MOUNTED CAPACITOR

PAD MOUNTED SECTIONALIZER

PAD MOUNTED BREAK SWITCH

RECTANGLE POWER MANHOLE

LARGE POWER PED

POWER MANHOLE

ELECTRIC CABINET

LIGHT POLE SMALL

PAD MOUNTED FUSE DISCONNECT

JUNCTION BOX

SUBSURFACE XFR

PULL BOX

- ADMINISTRATORS (BOCA) 5. MICHIGAN ELECTRICAL CODE NEC.
- 6. MICHIGAN MECHANICAL CODE IMC. 7. MICHIGAN PLUMBING CODE IPC.
- 8. LOCAL BUILDING CODE(S).
- 9. CITY AND/OR COUNTY ORDINANCES. 10. MUST COMPLY TO LATEST MICHIGAN FIRE CODE. (AND LATEST MUNICIPAL FIRE CODE).

6/4/2020

3/13/2020

GENERAL NOTES

ROW GROUND CONSTRUCTION NOTES:

- 120V POWER REQUIRED FOR 2-WIRE SERVICE.
 GC TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, AND FEDERAL STANDARDS AND REQUIATIONS.
- CALL 811 72 HOURS PRIOR TO EXCAVATING AT (800) 482-7171 ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER
- ALL EQUIPMENT TO BE BONDED.
- METERING CABINET(IF PLACED) REQUIRES 3' CLEARANCE AT DOOR
- 8. CAULK CABINET BASE AT PAD.

- GROUND TESTED AT 25 OHMS OR LESS.
 5/8"x8" ROD, CAD WELD OR UL LISTED DIRECT BURY CLAMP BELOW GRADE
- 3. #6 GROUND AND BOND WIRE.
 4. MOLDING, STAPLED EVERY 1' AND AT EACH END
- 5. GROUND RODS 3' FROM POLE.

- FOR UNDERGROUND USE SCHEDULE 40. FOR RISERS USE SCHEDULE 80.
- I ON NISERS USE SUMEDULE 80.
 PLACE 2" SDR-11 RED CONDUIT FOR UG POWER APPLICATIONS, RISERS TO BE ATTACHED TO POLE WITH STANDARD U-CLAMPS AND LAG SCREWS.
- RISER U-CLAMPS TO BE INSTALLED EVERY 5'.
 CONDUIT UNDER 1" MAY BE ATTACHED WITH GROUND WIRE MOLDING

7. ALL CONDUIT WILL BE PROOFED WITH A MANDREL AND EQUIPPED WITH PULL ROPE OR MULE TAPE.

- 1. MAINTAIN 40" MINIMUM COVER FOR ELECTRICAL CONDUIT.
 2. MAINTAIN 40" MINIMUM COVER FOR COMMUNICATIONS CONDUIT.
 3. IN STREET SLURRY TO GRADE AND MILL DOWN 1-1/2" FOR AC CAP.
 4. IN DIRT SLURRY 18" FROM GRADE, AND FILL WITH 95% COMPACTION NATIVE SOIL FOR BALANCE.
 5. PLACE WARNING TAPE IN TRENCH 12" ABOVE ALL CONDUITS AND #18 WARNING TAPE ABOVE GROUND RING.

ROW UTILITY POLE CONSTRUCTION NOTES:

- T-1/2:
 FILL ALL HOLES LEFT IN POLE FROM REARRANGEMENT OF CLIMBERS.

 ALL CLIMB STEPS NEXT TO CONDUIT SHALL HAVE EXTENDED STEPS.
- 4. CABLE NOT TO IMPEDE 15" CLEAR SPACE OFF
- POLE FACE (12:00).

 90' SHORT SWEEP'S UNDER ANTENNA ARM. ALL
 CABLES MUST ONLY TRANSITION ON THE INSIDE

 OR BOTTOM OF ARMS (NO CABLE ON TOP OF ARMS).
 6. USE CABLE CLAMPS TO SECURE CABLE TO
- 6. USE CABLE CLAMPS TO SECURE CABLE TO ARMS; PLACE 2" CARRIER CABLE ID TAGS ON BOTH SIDES OF ARMS.
 7. USE 90" CONNECTOR AT CABLE CONNECTION TO ANTENNAS.
 8. USE 1/2" CABLE ON ANTENNAS UNLESS OTHERWISE SPECIFIED.
 9. FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER INTRUSION.

— oil — (E) UG PETROLEUM ── v ── (E) UG WATER --- (E) UG STORM — s — (E) UG SANITARY ── TV ── (E) UG CABLE TV → T —— (E) UG TELEPHONE ---- FO ---- (E) UG FIBER OPTIC — € —— (E) UG POWER — □H — (E) OVERHEAD COMM. — (E) BUILDING — — — — (E) WATER BODY _____ (E) WASH/WETLAND

— — (E) CULVERT

→ (E) FENCE

--- (E) BLOCK WALL

---- (E) LIP OF GUTTER

— (E) ROAD EDGE/CURB

(E) DRIVEWAY

—II---II--- (E) GUARDRAIL

---- (E) DIRT ROAD

---- (E) SIDEWALK

GAS — (E) UG GAS

	(E) RIGHT OF WAY	1	TELEPHONE MANHOLE
	(E) PROPERTY LINE		TELEPHONE VAULT
***************************************	(E) RAILROAD	Ш	TELEPHONE LARGE PED
TEXTA CATAST	(E) LANE STRIPE	T	TELEPHONE SMALL PED
NB NB	(P) AERIAL NEW BUILD	o	CATV HAND HOLE
DL	(P) AERIAL OVERLASH	C	CATV VAULT
— рв —	(P) DIRECTIONAL BORE	CC	CATV LARGE PED
— TR —	(P) OPEN TRENCH	C	CABLE SMALL PED
PL	(P) PLOW	©	SANITARY SEWER MANHOL
9─-00+00	(P) STATIONING	<u></u>	STORM SEWER MANHOLE
◩	(P) VAULT		STORM CATCH BASIN
[]	(P) BORE PIT	lacksquare	WATER BLOW OFF
28	BUSH	⊕	WATER VALVE
#	DECIDUOUS TREE	•	WATER CURB BOX
	CONIFEROUS TREE	®	WATER GATE AND VALVE
_	ELECTRIC SIGN	©	WATER MANHOLE
1	BIKE RACK	*	FIRE HYDRANT
•	TRASHCAN		WATER VAULT
•	POST/MARKER	₩	BACKFLOW VALVE
		_	

UNKNOWN MANHOLE W UNKNOWN VAULT FIBER VAULT

— – – (E) BOUNDARY LINE

AIR RELIEF VALVE WATER WELL MONITOR PLUG & CAP

CONTRACT CO POWER POLE

•

¥ **5** ¥

TRANSFORMER POLE

SCALE 3

TELEPHONE POLE

MIDSPAN CROSSING

(P) FIBER MIDSHEATH

(P) NODE (P) HUB

(P) STORAGE LOOP

SCALE

NTS

ROW CONSTRUCTION GENERAL NOTES LEGEND & SYMBOLS

JOINT POLE W/ TRANSFORMER CATV POLE STEEL POLE CONCRETE POLE TRAFFIC SIGNAL POWER METER TRAFFIC SIGNAL POLE GAS MANHOLE NORTH ARROW (P) FIBER \Rightarrow (P) FIBER COUNT (P) FIBER SPLICE

PROJECT LOCATION:

GENERAL NOTES **ABBREVIATIONS** & SYMBOLS

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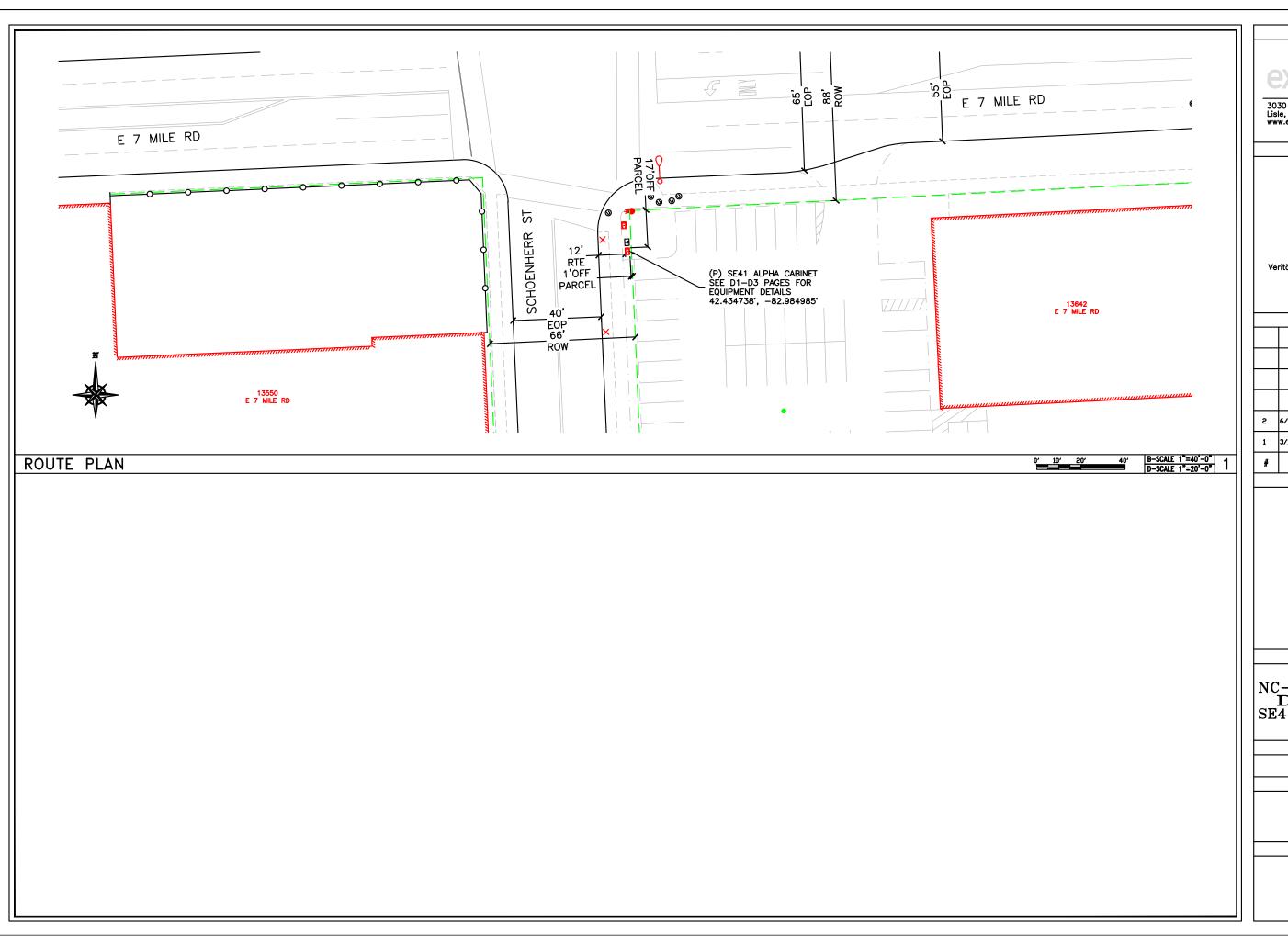
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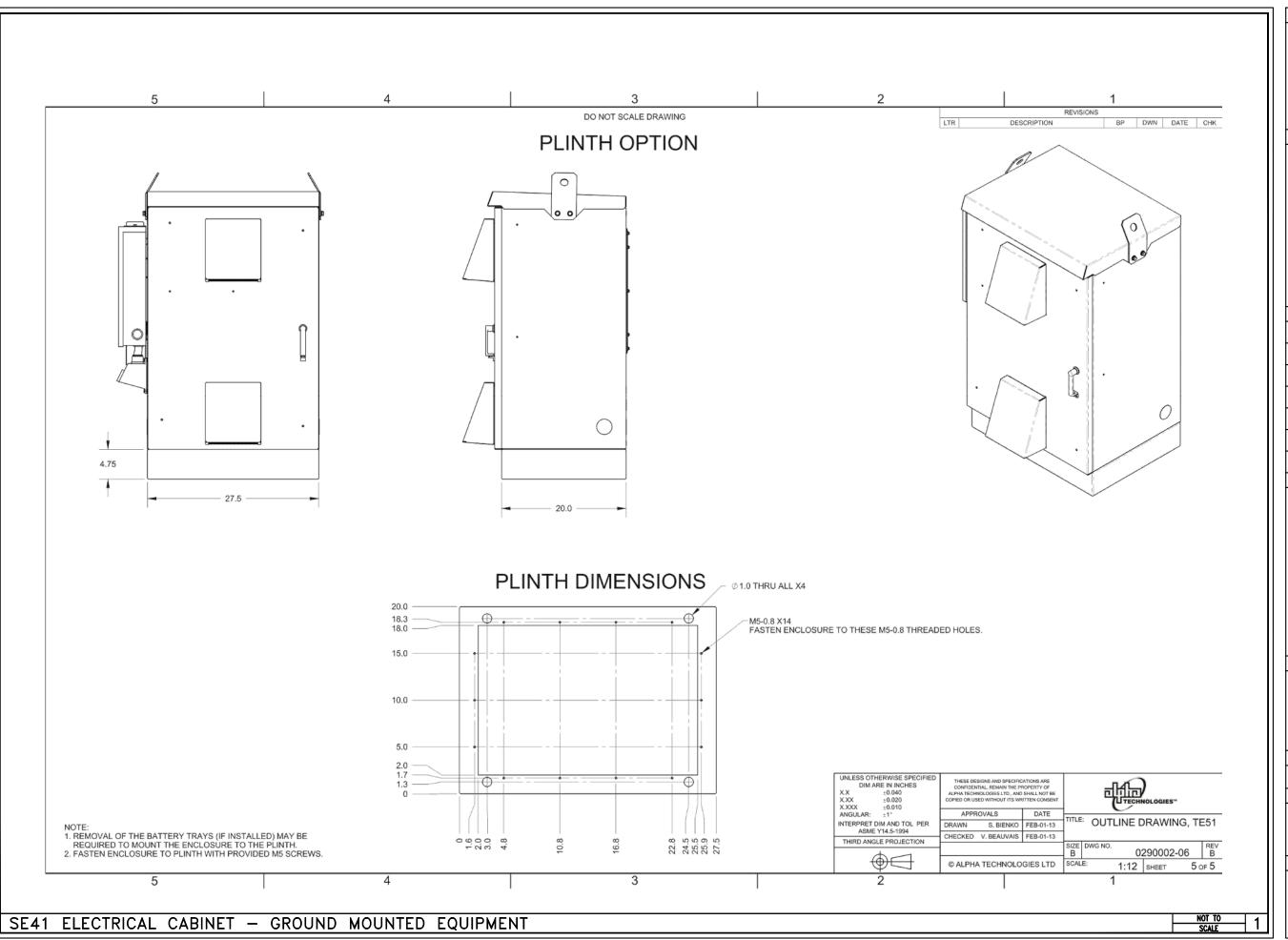
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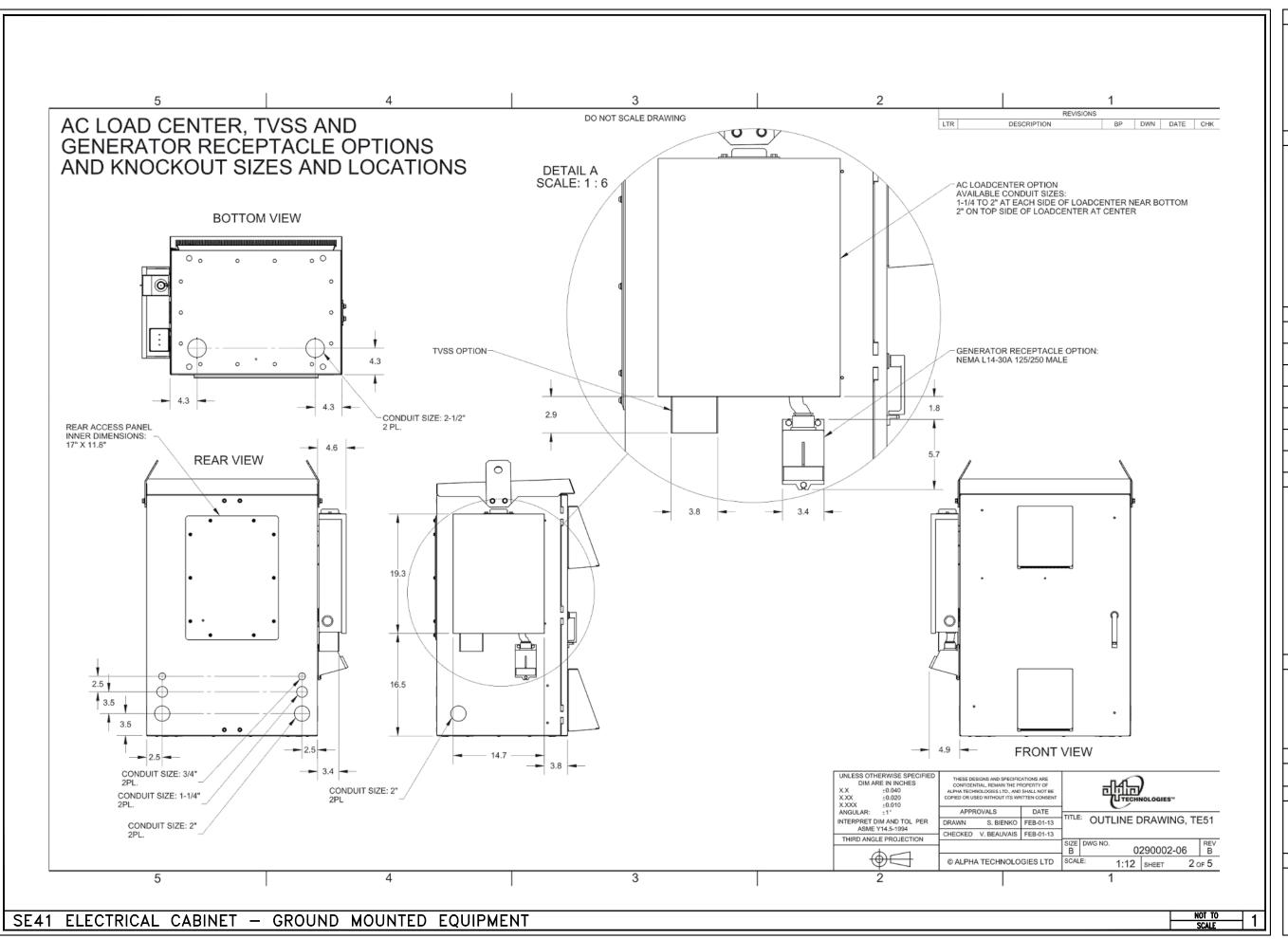
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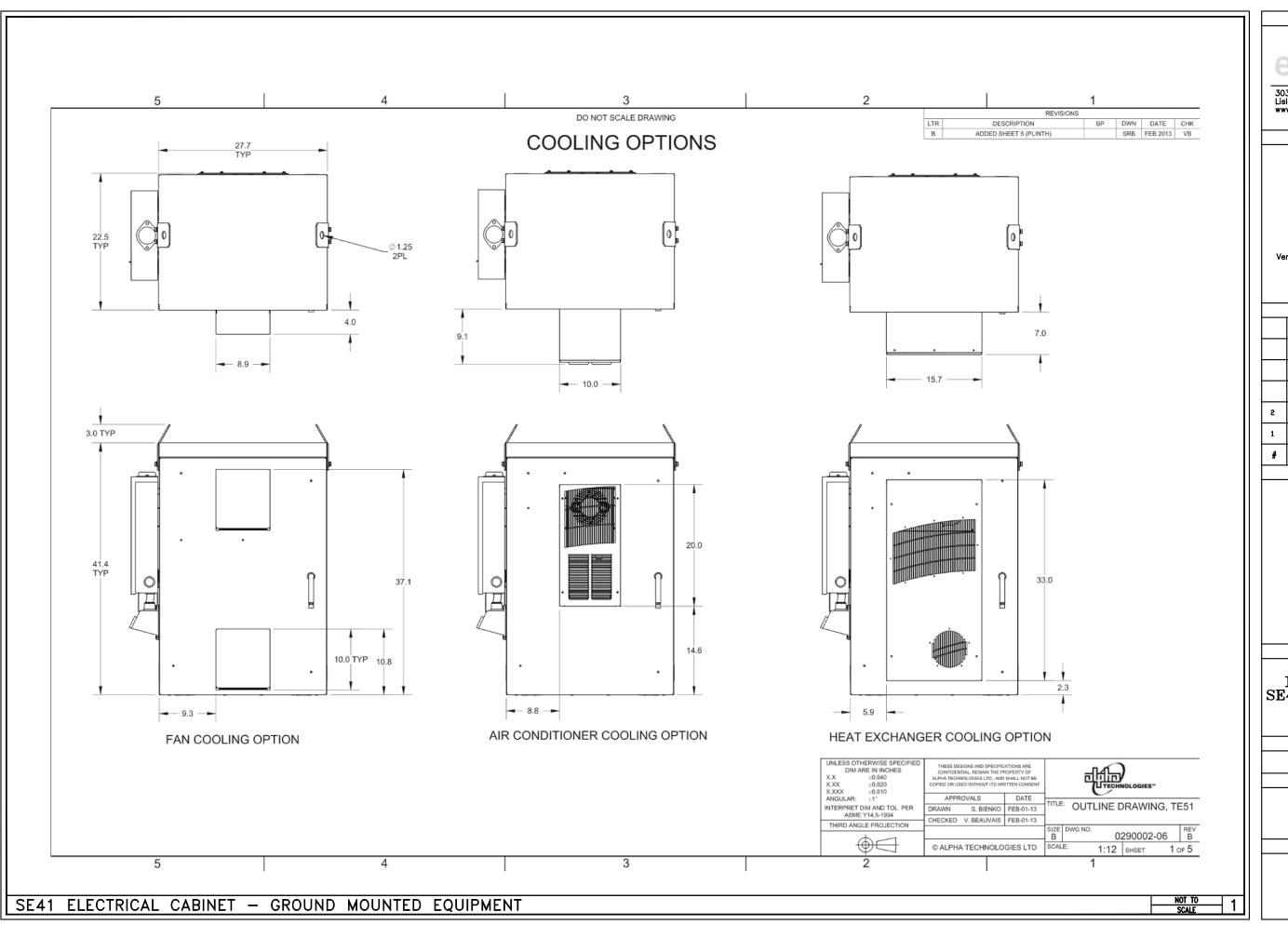
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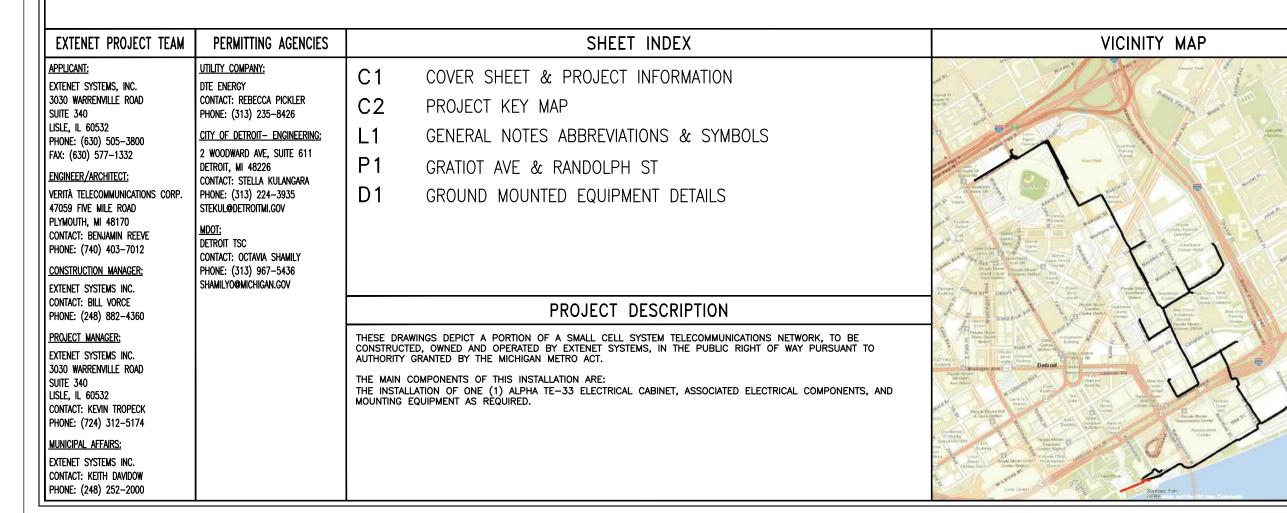
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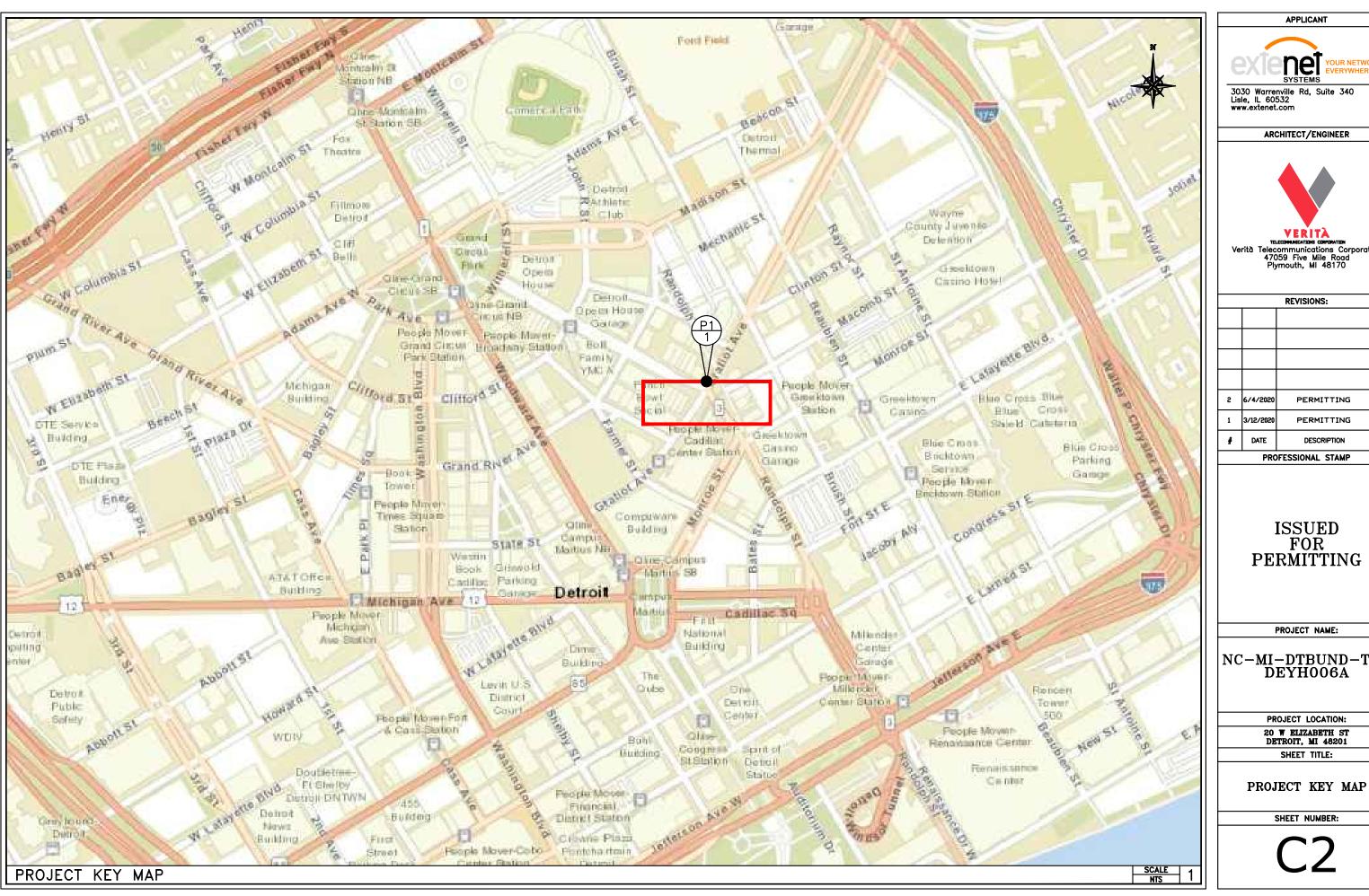
COVER SHEET & PROJECT INFORMATION

SHEET NUMBER:

C₁

NC-MI-DTBUND-TMO DEYH006A ALPHA CABINET (B) DETROIT, MI









47059 Five Mile Road Plymouth, MI 48170

REVISIONS:				
2	6/4/2020	PERMITTING	ᅴ	
1	3/12/2020	PERMITTING	J	
#	DATE	DESCRIPTION	INT.	

ISSUED

NC-MI-DTBUND-TMO DEYH006A

PROJECT LOCATION: 20 W ELIZABETH ST DETROIT, MI 48201 SHEET TITLE:

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICA. OR CONTROLLING MONUMENTS PRORT TO ANY EARTHWORK. F DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR FEOCORD OR FEOCORD SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT.

- 2. IMPORTANT NOTICE: CALL UNDERGROUND SERVICE ALERT, 811/TOLL FREE (800) 482-7171, THREE
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POT HOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN A 1' MINIMUM VERTICAL CLEARANCE.
- I. IF ANY EXISTING HARDSCAPE OR LANDSCAPE INDICATED ON THE APPROVE PLANS IS DAMAGED OF REMOVED DURING DEMOLITION OR CONSTRUCTION, IT SHALL BE REPAIRED AND/OR REPLACED IN KIND PER THE APPROVED PLANS.
- 5. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- 6. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND FIELD ENGINEERING DIVISION
- 7. MANHOLES OR COVERS SHALL BE LABELED EXTENET.
- 8. CONTRACTOR SHALL IMPLEMENT AN EROSION CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE
- THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEMER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.



- 1. INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL:
 ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOB SITE CONDITIONS DURING THE COURSE OF
 CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES. THAT THESE
 REQUIREMENTS SHALL APPLY CONTRINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND
 CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND NOBEMITY AND HOLD EXTENT, REPRESENTATION
 AND ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE
 PERFERDMANCE OF THE WORK ON THIS PROJECT.
- 2. PRIOR TO THE REGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK. THE CONTRACTOR SHALL FULLY COMPLY WITH "MICHIGAN OCCUPATIONAL SAFETY AND HEALTH" ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.
- 3. ALL WORK SHALL CONFORM TO THE LATEST STANDARD "SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUMS.
- 4. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES AS SHOWN HERON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST. THE CONTRACTOR SHALL VERIFY PRIOR TO THE START OF CONSTRUCTION AND SHALL USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THIESE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY
- THE CONTRACTOR SHALL NOTIFY THE CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT, AT LEAST TWO DAYS BEFORE START OF ANY WORK REQUIRING THEIR INVOLVEMENT.
- 6. THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.
- 7. THE MINIMUM COVER FOR ALL CONDUITS PLACED UNDERGROUND SHALL BE 36 INCHES TO THE FINISHED
- 8. THE CONTRACTOR SHALL TUNNEL ALL CURB AND GUTTERS AND BORE ALL CONCRETE DRIVEWAYS AND WALKWAYS AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEER.
- 9. ALL A.C AND/OR CONCRETE PAVEMENT SHALL BE REPLACED AT THE DIRECTION OF THE CITY, COUNTY OR
- 10. ALL SHRUBS, PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK, SHALL BE REPLANTED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL
- 11. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROCESSING OF ALL APPLICANT PERMIT FORMS ALONG WITH THE REQUIRED LIABILITY INSURANCE FORMS, CLEARLY DEMONSTRATING THAT EXTENET, THE CITY, COUNTY OR STATE IS ALSO INSURED WITH THE REQUIRED LIABILITY INSURANCE FOR THIS CONSTRUCTION PROJECT.
- 12. VAULTS, PEDESTALS, CONDUITS AND OTHER TYPES OF SUBSTRUCTURE ARE EITHER SPECIFIED ON THIS PLAN OR WILL BE SPECIFIED BY THE CONSTRUCTION ENGINEER. ANY AND ALL DEVATIONS FROM THE SPECIFIED TYPES OF MATERIAL MUST BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.
- 13. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES IN INCLUDING SEWER LATERALS & WATER SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT
- 14. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXPLORATION OF THE PRICE OF THE P
- 15. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE, WITH FIELD TIES, THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORZONITAL AND VERTICALLY, PRIOR TO CONSTRUCTION, IF EXISTING LOCATIONS WAY SUBSTANTIALLY FROM THE PLANS. THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES

FROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE CITY, COUNTY AND STATE "STORM WATER STANDARDS" MUST BE INCORPORATE INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVMENTS
 CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WATER QUALITY
 TECHNICAL REPORT (WOTR), AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADMCENT TO TOP, OE SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00' FREEDBOARD IS NOSTS AND IS MANTANED ABOVE THE TOP OF THE INLET. IF REEDBOARD IS NOT PROVIDED BY GRADING, SHOWN ON THESE PLANS THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, LE.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- 5. The contractor or qualified person shall check and maintain all lined and unlined ditches after each rainfall.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL
- 7. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OF RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING
- 9. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HERON, ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 12. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF AN, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURE AND OTHER RELATED CONSTRUCTION ACTIVITIES.

E

FIBER PED

PLUG & CAP

— – – (E) BOUNDARY LINE

ABBREVIATIONS

FO SP FOUAL SPACE P/O PART OF XMTR TRANSMITT	AL ALY ALY ANT AGL AMSL APPROX AR, A/R BAT BBC BBC BBC BBC CONC CONC COND EA EL EMBED EMER EMBED EMER EMBED EMER EMBED EMER EMBED EMER EMBED E	ALUMINUM ALLOY ANTENNA ABOVE GROUND LEVEL APPROVED APPROVED APPROVED BATTERY BOLT CIRCLE BUILDING BRACKET CABINET CONCRETE CONCRE	(F) FLRC FLRC FT FS TEAL A MERIT OF THE FT FS TEAL A MERIT OF T	FUTURE FLOOR FACE OF CURB FOOT FARSIDE FASTENER GALVANIZED GAUGE GENERATOR GROUND/GROUNDING INSIDE DIAMETER MATERIAL MANUFACTURER MOUNTIED MOUNTIED MOUNTIED MOUNTIED MOUNTIED MOUNTIED MOUNTING METER MAXIMUM MINIMUM NEW NEARSIDE NOT TO SCALE ON CENTER OUTSIDE DIAMETER PROPOSED PLYWOOD PLACES PANEL PART OF	PRELIM PWRY RRAD RCVRC R	PRELIMINARY POWER QUANTITY RADIUS RADIATION RAD CENTER RECEIVER RECEIVER RECLATED RIGHT OF WAY SHEET SUPPLY STAINLESS STL STAINLESS STL STAINLESS STL STAINLESS STL STRUCTURAL SQUARE SWITCH THREAD THICK TINNED TYPICAL UNIFORM BUILDING CODE WITH WITHOUT TRANSOMITER
ĒĞ SP ĒĞŪAL ŠPACE P/O PART OF XMTR TRANSMITT HGT HEIGHT POSN POSTION	EQ SP	EQUAL SPACE	P/0	PART OF		TRANSMITTER

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 1. MICHIGAN BUILDING CODE IBC.
- 2. MICHIGAN ADMINISTRATIVE REGULATIONS.
- 3. ANSI/ EIA-222-F LIFE SAFETY CODE NFPA.

PRESSURE REDUCING VALVE

NON-POTABLE VALVE

NON-POTABLE MANHOLE

CATHOIDIC PROT. TEST

JUNCTION BOX

PULL BOX

- 4. BUILDING OFFICIALS AND CODE ADMINISTRATORS (BOCA) 5. MICHIGAN ELECTRICAL CODE NEC.
- 6. MICHIGAN MECHANICAL CODE IMC. 7. MICHIGAN PLUMBING CODE IPC. 8. LOCAL BUILDING CODE(S).
- 9. CITY AND/OR COUNTY ORDINANCES.
- 10. MUST COMPLY TO LATEST MICHIGAN FIRE CODE. (AND LATEST MUNICIPAL FIRE CODE).

TRANSFORMER POLE

TELEPHONE POLE

CATV POLE

STEEL POLE

CONCRETE POLE

TRAFFIC SIGNAL

POWER METER

GAS VALVE

(P) FIBER

(P) NODE

(P) HUB

GAS MANHOLE

NORTH ARROW

(P) FIBER COUNT

(P) FIBER SPLICE

(P) FIBER MIDSHEATH

(P) STORAGE LOOP

SCALE

NTS

MIDSPAN CROSSING

TRAFFIC SIGNAL POLE

➂

 \Rightarrow

 \bowtie

JOINT POLE W/ TRANSFORMER

SCALE 3

DESCRIPTION

6/4/2020

3/12/2020

ISSUED FOR PERMITTING

PROFESSIONAL STAMP

APPLICANT

neī

ARCHITECT/ENGINEER

VERITA

Verità Telecommunications Corporation

47059 Five Mile Road Plymouth, MI 48170

REVISIONS:

PERMITTING

PERMITTING

3030 Warrenville Rd, Suite 340

Lisle, IL 60532

www.extenet.com

YOUR NETWORK **EVERYWHERE**

PROJECT NAME:

NC-MI-DTBUND-TMO NC-MI-DTBUND-TMO DEYH006A

PROJECT LOCATION:

20 W KLIZABETH ST DETROIT, MI 48201

SHEET TITLE:

GENERAL NOTES **ABBREVIATIONS** & SYMBOLS

SHEET NUMBER:

GENERAL NOTES

ROW GROUND CONSTRUCTION NOTES:

- 120V POWER REQUIRED FOR 2-WIRE SERVICE.
 GC TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, AND FEDERAL STANDARDS AND REQUIATIONS.
- CALL 811 72 HOURS PRIOR TO EXCAVATING AT (800) 482-7171
- ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER
- ALL EQUIPMENT TO BE BONDED. METERING CABINET(IF PLACED) REQUIRES 3' CLEARANCE AT DOOR
- 8. CAULK CABINET BASE AT PAD.

STANDARD GROUNDING NOTES:

- GROUND TESTED AT 25 OHMS OR LESS.
 5/8"x8" ROD, CAD WELD OR UL LISTED DIRECT BURY CLAMP BELOW GRADE
- 3. #6 GROUND AND BOND WIRE.
 4. MOLDING, STAPLED EVERY 1' AND AT EACH END
- 5. GROUND RODS 3' FROM POLE.

STANDARD CONDUIT NOTES:

- FOR UNDERGROUND USE SCHEDULE 40. FOR RISERS USE SCHEDULE 80.
- I ON NISERS USE SUMEDULE 80.
 PLACE 2" SDR-11 RED CONDUIT FOR UG POWER APPLICATIONS, RISERS TO BE ATTACHED TO POLE WITH STANDARD U-CLAMPS AND LAG SCREWS.
- RISER U-CLAMPS TO BE INSTALLED EVERY 5'.
 CONDUIT UNDER 1" MAY BE ATTACHED WITH GROUND WIRE MOLDING
- 7. ALL CONDUIT WILL BE PROOFED WITH A MANDREL AND EQUIPPED WITH PULL ROPE OR MULE TAPE.

- 1. MAINTAIN 40" MINIMUM COVER FOR ELECTRICAL CONDUIT.
 2. MAINTAIN 40" MINIMUM COVER FOR COMMUNICATIONS CONDUIT.
 3. IN STREET SLURRY TO GRADE AND MILL DOWN 1-1/2" FOR AC CAP.
 4. IN DIRT SLURRY 18" FROM GRADE, AND FILL WITH 95% COMPACTION NATIVE SOIL FOR BALANCE.
 5. PLACE WARNING TAPE IN TRENCH 12" ABOVE ALL CONDUITS AND #18 WARNING TAPE ABOVE GROUND RING.

ROW CONSTRUCTION GENERAL NOTES

ROW UTILITY POLE CONSTRUCTION NOTES:

- T-1/2:
 FILL ALL HOLES LEFT IN POLE FROM REARRANGEMENT OF CLIMBERS.

 ALL CLIMB STEPS NEXT TO CONDUIT SHALL HAVE EXTENDED STEPS. 4. CABLE NOT TO IMPEDE 15" CLEAR SPACE OFF
- POLE FACE (12:00).

 90' SHORT SWEEP'S UNDER ANTENNA ARM. ALL
 CABLES MUST ONLY TRANSITION ON THE INSIDE

 OR BOTTOM OF ARMS (NO CABLE ON TOP OF
- ARMS).
 6. USE CABLE CLAMPS TO SECURE CABLE TO
- 6. USE CABLE CLAMPS TO SECURE CABLE TO ARMS; PLACE 2" CARRIER CABLE ID TAGS ON BOTH SIDES OF ARMS.
 7. USE 90" CONNECTOR AT CABLE CONNECTION TO ANTENNAS.
 8. USE 1/2" CABLE ON ANTENNAS UNLESS OTHERWISE SPECIFIED.
 9. FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER INTRUSION.

── v ── (E) UG WATER --- (E) UG STORM — s — (e) ug sanitary ── TV ── (E) UG CABLE TV → T —— (E) UG TELEPHONE ---- FO ---- (E) UG FIBER OPTIC --- E --- (E) UG POWER — □H — (E) OVERHEAD COMM. (E) BUILDING — — — — (E) WATER BODY _____ (E) WASH/WETLAND — — (E) CULVERT → (E) FENCE --- (E) BLOCK WALL —II---II--- (E) GUARDRAIL — (E) ROAD EDGE/CURB ---- (E) LIP OF GUTTER ---- (E) DIRT ROAD

GAS — (E) UG GAS

— oil — (E) UG PETROLEUM

	\- /	_	
	(E) RIGHT OF WAY	1	TELEPHONE MANHOLE
	(E) PROPERTY LINE		TELEPHONE VAULT
	(E) RAILROAD	Ш	TELEPHONE LARGE PED
TEXT CASA	(E) LANE STRIPE	T	TELEPHONE SMALL PED
NB NB	(P) AERIAL NEW BUILD	©	CATV HAND HOLE
<u> </u>	(P) AERIAL OVERLASH	C	CATV VAULT
— DB —	(P) DIRECTIONAL BORE	CC	CATV LARGE PED
— тк —	(P) OPEN TRENCH	C	CABLE SMALL PED
PL	(P) PLOW	S	SANITARY SEWER MANHOL
9-00+00	(P) STATIONING	(S)	STORM SEWER MANHOLE
V	(P) VAULT	1	STORM CATCH BASIN
[]	(P) BORE PIT	lacksquare	WATER BLOW OFF
78	BUSH	⊕	WATER VALVE
#	DECIDUOUS TREE	•	WATER CURB BOX
	CONIFEROUS TREE	®	WATER GATE AND VALVE
_	ELECTRIC SIGN	©	WATER MANHOLE
1	BIKE RACK	*	FIRE HYDRANT
•	TRASHCAN	nest.	WATER VAULT
•	POST/MARKER	→	BACKFLOW VALVE
0	UNKNOWN MANHOLE	Θ	AIR RELIEF VALVE

SUBSURFACE XFR PADMOUNTED 3PH XFR PAD MOUNTED SWITCHING PAD MOUNTED JUNCTION PAD MOUNTED SECTIONALIZER PAD MOUNTED CAPACITOR PAD MOUNTED BREAK SWITCH **~** PAD MOUNTED FUSE DISCONNECT • RECTANGLE POWER MANHOLE ¥ **5** ¥ LARGE POWER PED POWER MANHOLE EC ELECTRIC CABINET CROSS WALK POLE LIGHT POLE SMALL LIGHT POLE LARGE WATER WELL MONITOR CONTRACT CO

POWER POLE

W

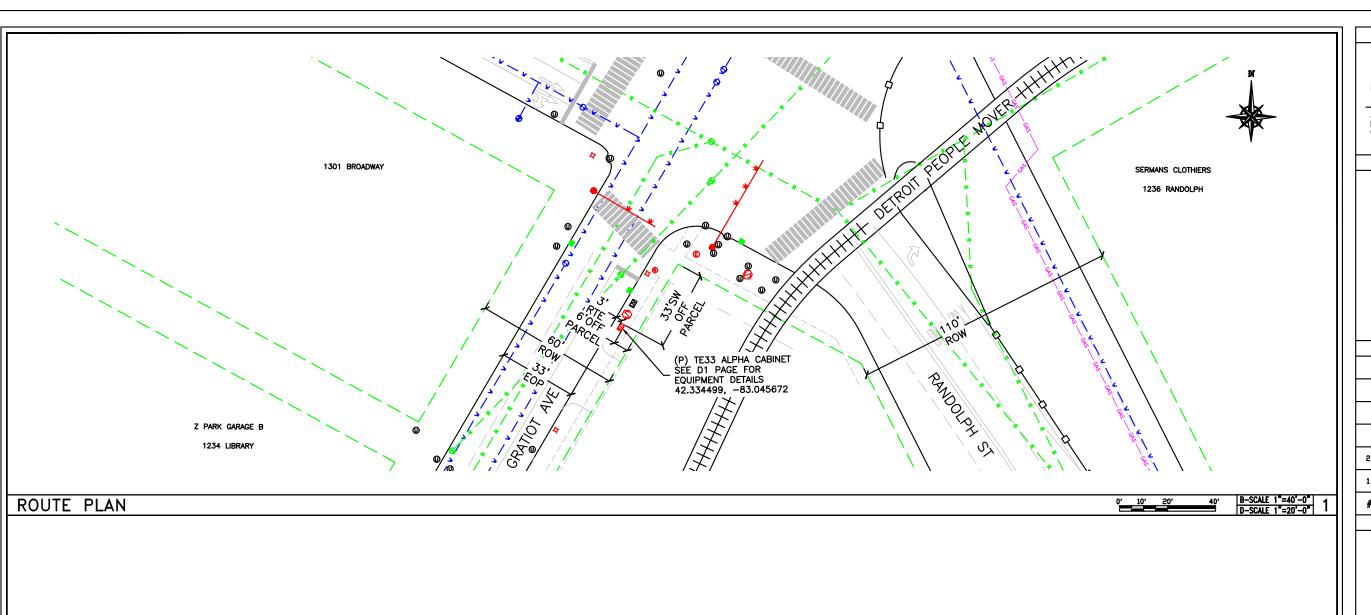
UNKNOWN VAULT

FIBER VAULT

LEGEND & SYMBOLS

(E) DRIVEWAY

- (E) SIDEWALK







3030 Warrenville Rd, Suite 340 Lisle, IL 60532 www.extenet.com

ARCHITECT/ENGINEER



Verità Telecommunications Corporation 47059 Five Mile Road Plymouth, MI 48170

REVISIONS:

2	6/4/2020	PERMITTING	JL
1	3/12/2020	PERMITTING	JL

PROFESSIONAL STAMP

DESCRIPTION

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PROJECT LOCATION:

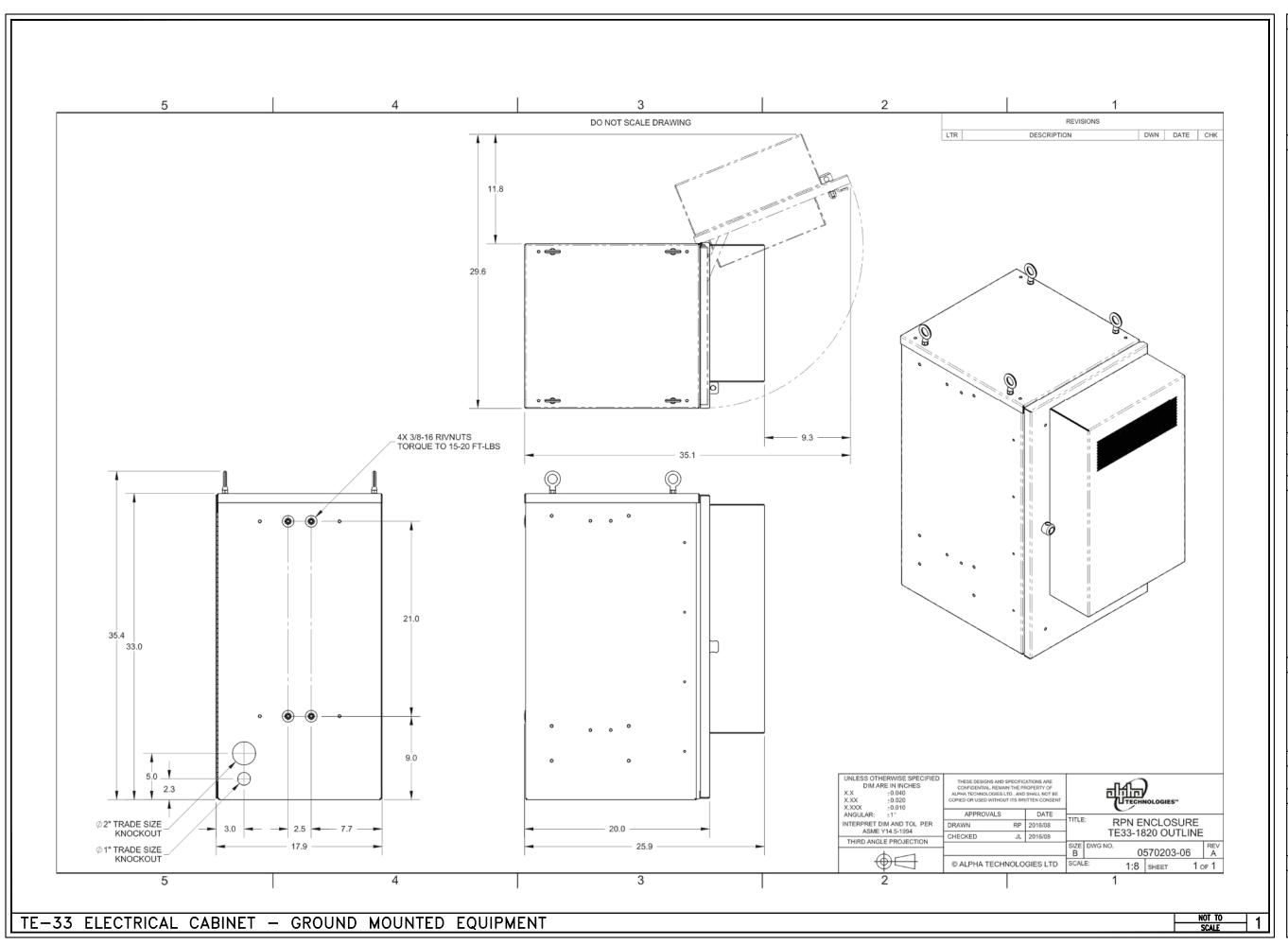
20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

ROUTE PLAN GRATIOT AVE & RANDOLPH ST

SHEET NUMBER:

P1





3030 Warrenville Rd, Suite 340 Lisle, IL 60532 www.extenet.com

ARCHITECT/ENGINEER



TELECOMMUNICATIONS COMPUNATION
TO Telecommunications Corporation
47059 Five Mile Road
Plymouth, MI 48170

REVISIONS:				
2	6/4/2020	PERMITTING	JL	
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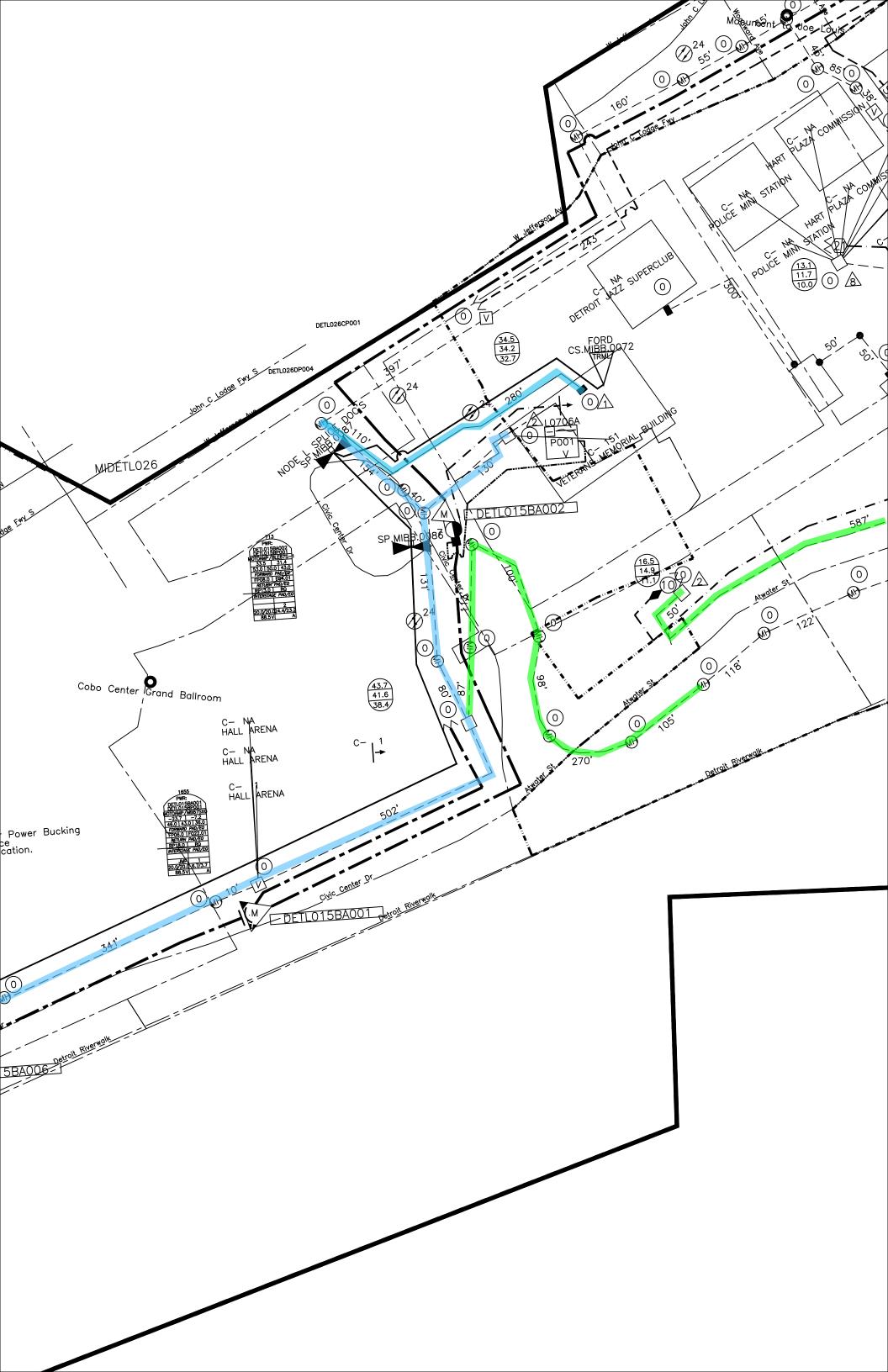
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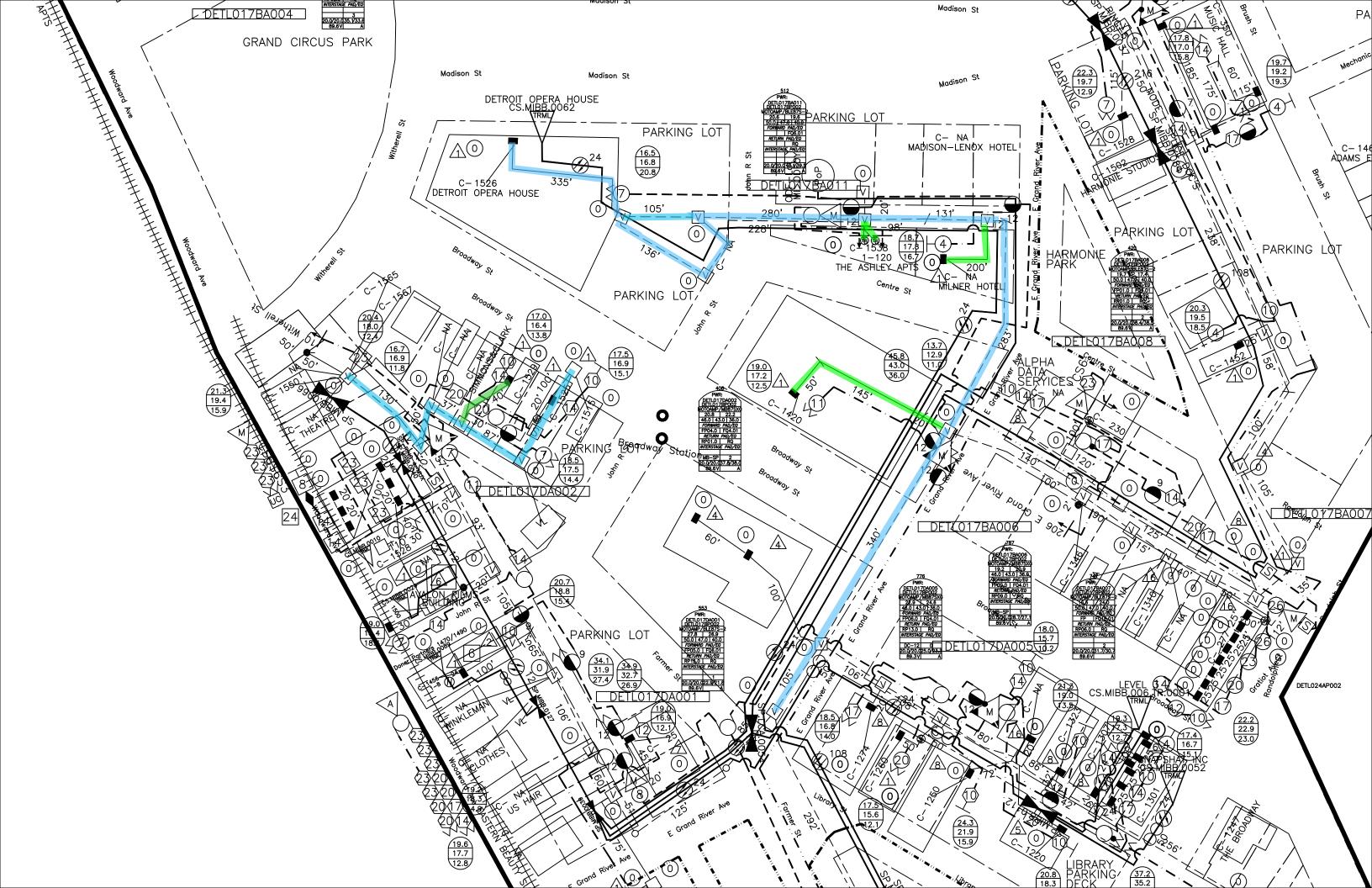
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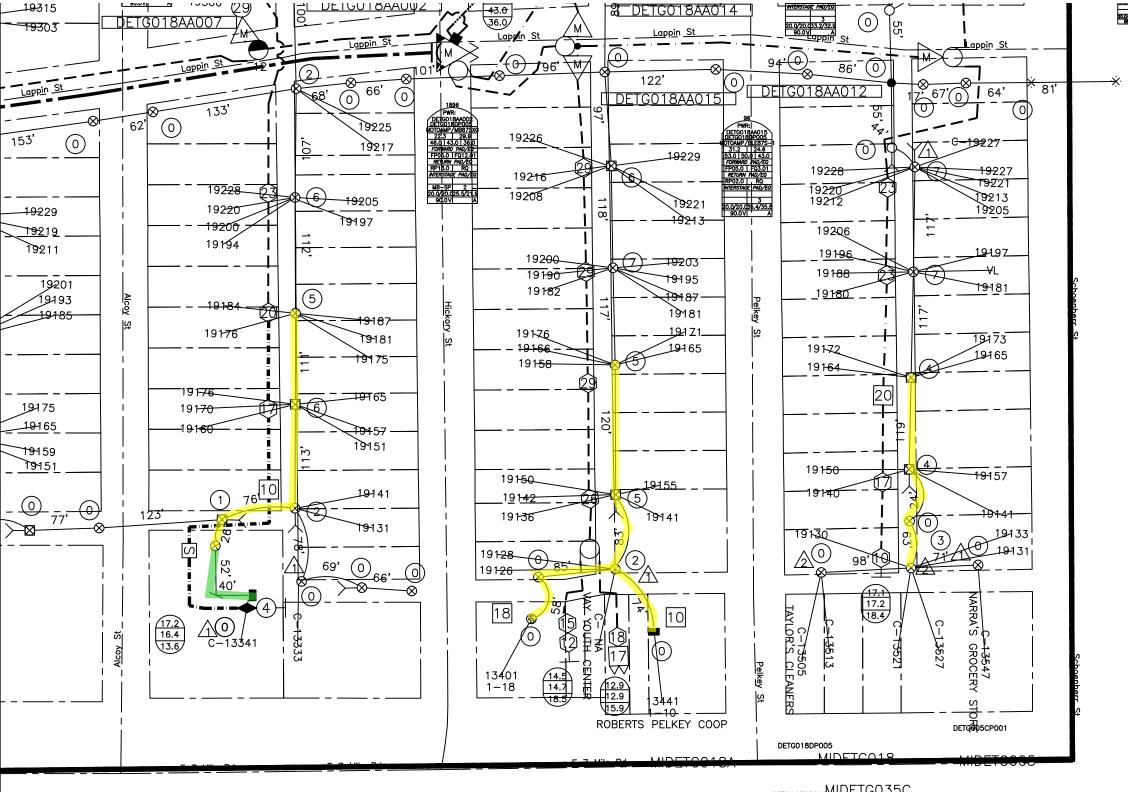
ROUTE PLAN E MONTCALM ST & BRUSH ST

SHEET NUMBER:









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DETG017DP001 MIDETG017

MIDETG035

