



CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

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

10/02/2025

HOUSE NUMBER CERTIFICATE

10734

Applicant:

Telecad Wireless on behalf of Verizon Wireless
Email/Phone: traci.morgan@telecadeng.com

City of Detroit – City Engineering Division of the Department of Public Works in accordance with City Code section 43-2-13 hereby assign and following addresses to the nearby parcel:

Address	Type	Status
2982 Heidelberg Street	Primary	Active

Nearby Parcel Legal Description:

W MC DOUGALL N 33 FT 1 BLK 44-A M CAMPAUS RE-SUB L4 P96 PLATS, W C R 11/40 33 IRREG

Parcel Number: 11002148.

Summary:

2982 Heidelberg Street is assigned as the primary address for Verizon Wireless small cell pole near the parcel which has the legal address of **3145 McDougall Street**.

Prepared by:

Maps and Records Bureau

City Engineering – DPW

Phone: 313-224-3970

PROJECT SUMMARY

SITE NAME: 32650
 SITE ADDRESS: 3145 MCDUGALL ST
 (ESTIMATED) DETROIT, MI 48207
 COUNTY: WAYNE
 JURISDICTION: CITY OF DETROIT
 SITE COORDINATES:
 LATITUDE: 42° 21' 21.204" N
 LATITUDE: 42.35589°
 LONGITUDE: 83° 1' 43.284" W
 LONGITUDE: -83.02869°
 ELEVATION: ±623'-4"
 PROPERTY DEFINITION: R.O.W.
 FUZE PROJECT ID: 17538158
 MDG LOCATION ID: 5000982068
 PROPOSED POLE HEIGHT: 40'-0"
 PROPOSED POLE CLASS: 2



SITE NAME: 32650

PROPOSED SMALL CELL EQUIPMENT ON A NEW VERIZON POLE

SHEET INDEX

NO.	DESCRIPTION
T1	TITLE SHEET
GN1	GENERAL NOTES
C1	SITE LAYOUTS
C1A	SITE LAYOUT - AERIAL IMAGERY
C2	POLE ELEVATION
C3	SITE DETAILS
C4	SITE DETAILS
C5	EQUIPMENT DETAILS
E1	UTILITY SITE PLAN
E2	ELECTRICAL DETAILS
E3	SINGLE LINE DIAGRAM
S1	BORE PIT RESTORATION

PREPARED FOR:



PREPARED BY:



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

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DRAWN BY: ZCK
 CHECKED BY: SEH

REVISIONS

NO.	DATE	BY	DESCRIPTION
0	09/11/25	JAF	CONSTRUCTION ISSUE
A	07/12/25	ZCK	PRELIMINARY REVIEW

ENGINEER'S STAMP:



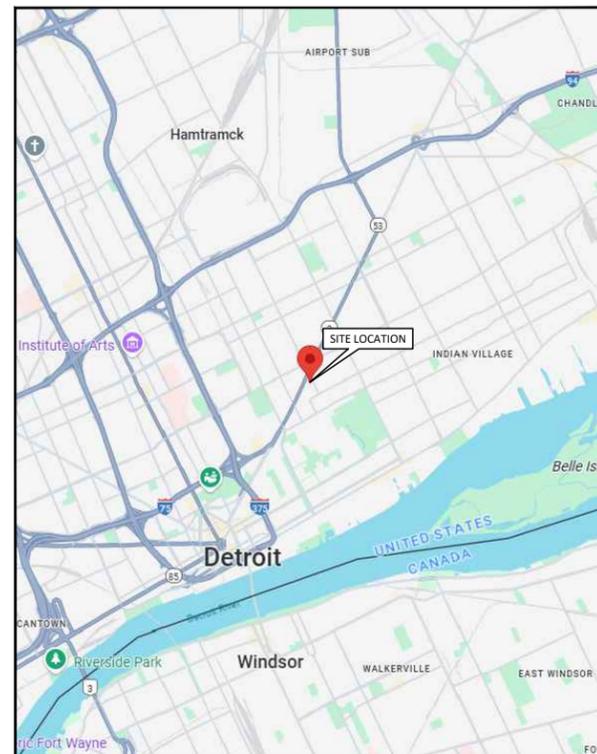
NOT VALID WITHOUT P.E. STAMP & SIGNATURE

SITE NAME: 32650
 ADDRESS: 3145 MCDUGALL ST
 DETROIT, MI 48207
 COUNTY: WAYNE
 LATITUDE: 42° 21' 21.204" N
 LONGITUDE: 83° 1' 43.284" W
 DESIGN TYPE: RAWLAND

SHEET TITLE: TITLE SHEET

DRAWING NO. T1 REVISION: 0

VICINITY MAP



NOT TO SCALE

LOCATION MAP



NOT TO SCALE

SCOPE OF WORK

- INSTALLING NEW WOOD UTILITY POLE (CLASS TBD)
- INSTALLING EQUIPMENT
 - (3) ERICSSON 6701 ANTENNAS
 - CFIT BOX
 - (1) FIBER & (1) POWER CABLE PER ANTENNA
 - DISCONNECT

STATE COUNTY MAP



STRUCTURAL REVIEW

STRUCTURAL ANALYSIS PERFORMED BY OTHERS.

SHEET SCALE FACTOR:
 PLOT SIZE:
 11" x 17": TO SCALE



1 (800) 482-7171
 www.missdig.com
 CONTRACTOR TO CALL MICHIGAN
 ONE-CALL SYSTEMS AT LEAST 72 HOURS
 PRIOR TO DIGGING.

GENERAL NOTES

1. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
2. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED IN THE CONTRACT DOCUMENTS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR(S) SHALL VISIT THE JOB SITE(S) AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED PER THE CONTRACT DOCUMENTS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ARCHITECT/ENGINEER.
4. THE CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED ON ANY WORK NOT CLEARLY DEFINED OR IDENTIFIED IN THE CONSTRUCTION DOCUMENTS BEFORE STARTING ANY WORK.
5. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES INCLUDING APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS.
6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. IF THESE RECOMMENDATIONS ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS AND/OR APPLICABLE CODES OR REGULATIONS, REVIEW THE CONFLICT FOR DIRECTION WITH THE IMPLEMENTATION ENGINEER AND ARCHITECT/ENGINEER PRIOR TO PROCEEDING.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND FOR COORDINATION OF ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION TEAM AND WITH THE AUTHORIZED REPRESENTATIVE OF ANY OUTSIDE POLE OR PROPERTY OWNER. (BASE COMMANDER OR AUTHORIZED AGENT)
8. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACE OR OTHER EXISTING ELEMENTS AND UPON COMPLETION OF THE WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF EXTENT.
9. KEEP THE GENERAL AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION DAILY.
10. PLANS ARE INTENDED TO BE DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED UNLESS OTHERWISE NOTED. RELY ONLY ON ANNOTATED DIMENSIONS AND REQUEST INFORMATION IF ADDITIONAL DIMENSIONS ARE REQUIRED.
11. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST BEYOND WHAT IS NOTED. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO START OF CONSTRUCTION AND USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THESE FACILITIES. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF UTILITIES OR OTHER AGENCY'S FACILITIES WITHIN THE LIMITS OF THE WORK, WHETHER THEY ARE IDENTIFIED IN THE CONTRACT DOCUMENTS OR NOT.
12. ALL MOUNTING HARDWARE SUCH AS BOLTS, NUTS, LAG SCREWS, CLEVIS, CONDUIT STRAPS, STAPLES, (ANYTHING EXPOSED AND CONNECTING EQUIPMENT TO THE POLE SHALL BE HOT DIPPED GALVANIZED, UNLESS OTHERWISE STATED)

DEFINITIONS

1. "TYPICAL" OR "TYP." MEANS THAT THIS ITEM IS VIRTUALLY IDENTICAL ACROSS SIMILAR CONDITIONS. "TYP." SHALL BE UNDERSTOOD TO MEAN "TYPICAL WHERE OCCURS" AND SHALL NOT BE CONSIDERED AS WITHOUT EXCEPTION OR CONSIDERATION OF SPECIFIC CONDITIONS.
2. "SIMILAR" MEANS COMPARABLE TO CHARACTERISTICS FOR CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLAN.
3. "AS REQUIRED" MEANS AS REQUIRED BY REGULATORY REQUIREMENTS BY REFERENCED STANDARDS, BY EXISTING CONDITIONS, BY GENERALLY ACCEPTED CONSTRUCTION PRACTICE OR BY THE CONTRACT DOCUMENTS.
4. "ALIGN" MEANS ACCURATELY LOCATE FINISH FACES OF MATERIALS IN THE SAME PLANE.
5. THE TERM "VERIFY" OR "V.I.F" SHALL BE UNDERSTOOD TO MEAN VERIFY IN FIELD WITH ARCHITECT AND REQUIRES THAT THE CONTRACTOR CONFIRM INTENTION REGARDING NOTED CONDITION AND PROCEED ONLY AFTER RECEIVING DIRECTION.
6. WHERE THE WORDS "OR EQUAL" OR WORDS OF SIMILAR INTENT FOLLOW A MATERIAL SPECIFICATION, THEY SHALL BE UNDERSTOOD TO REQUIRE SIGNED APPROVAL OF ANY DEVIATION TO SAID SPECIFICATION PRIOR TO CONTRACTOR'S ORDERING OR INSTALLATION OF SUCH PROPOSED EQUAL PRODUCT.
7. FURNISH: SUPPLY ONLY, OTHERS TO INSTALL. INSTALL: INSTALL ITEMS FURNISHED BY OTHERS. PROVIDE: FURNISH AND INSTALL.

PROJECT SPECIFIC NOTES

1. THIS SET IS PROVIDED TO ILLUSTRATE THE EXPECTED SCOPE OF DRAWINGS, QUALITY OF DRAWINGS AND EXTENT GRAPHIC STANDARDS. NOTES ARE FOR A&E CONTRACTOR REFERENCE TO HELP CLARIFY THE SCOPE. ADDITIONAL DRAWINGS MAY BE REQUIRED TO MEET THE REQUIREMENTS OF A GIVEN BASE. ALL EXAMPLES SHOWN ARE FOR REFERENCE ONLY AND ANY NOTES, DETAILS, CALCULATIONS OR OTHER WORK NEEDS TO BE COMPLETED OR CONFIRMED BY THE CONTRACTOR GENERATING THE DRAWINGS IN CONSTRUCTION DOCUMENTS.
2. THIS SET IS TO BE PRINTED AT 11" x 17". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THIS SIZE IS ACCEPTABLE BY THE BASE AND TO PROVIDE A LARGER STANDARD SIZE IF REQUIRED.
3. IT IS THE RESPONSIBILITY OF THE ENGINEER TO CONFIRM ALL WORK SHOWN IS IN COMPLIANCE WITH BASE AND FEDERAL CODES. DRAWINGS SHOWN WITHIN THIS SET ARE SAMPLES AND MAY NOT REFLECT ALL OF THE REQUIRED ELEMENTS, CLEARANCES OR OTHER ITEMS OF ASSEMBLIES NEEDED TO BE CODE COMPLIANT IN THE PARTICULAR MUNICIPALITY THE NODE IS LOCATED WITHIN.

GROUND CONSTRUCTION NOTES:

1. 120/240V POWER REQUIRED FOR 3-WIRE SERVICE.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH FEDERAL STANDARDS AND REGULATIONS AS WELL AS NEC.
3. CALL MICHIGAN ONE CALL 72 HOURS PRIOR TO EXCAVATING AT (800) 482-7171.
4. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.
5. ALL EQUIPMENT TO BE BONDED.
6. METERING CABINET (IF INSTALLED) REQUIRES 3' CLEARANCE AT DOOR OPENING.

STANDARD GROUNDING NOTES:

1. GROUND TESTED AT 25 OHMS OR LESS.
2. 5/8" x 8' RODS, 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 18" FROM POLE.

STANDARD CONDUIT NOTES:

1. FOR UNDERGROUND CONDUIT AND ABOVE GRADE RISERS USE SCHEDULE 40.
2. IF DIRECTIONAL BORING PLACE 2" CONDUIT FOR UNDERGROUND POWER APPLICATIONS.
3. IF TRENCHING, PLACE PVC SCH 40 CONDUIT PER TABLE ON SHEET E1 FOR UNDERGROUND POWER APPLICATIONS.
4. RISERS TO BE ATTACHED TO POLE WITH STANDARD STRAPS AND LAG SCREWS.
5. RISER STRAPS TO BE INSTALLED EVERY 5'.
6. CONDUIT UNDER 1" MAY BE ATTACHED WITH GROUND WIRE MOLDING STAPLES.
7. ALL CONDUIT WILL BE PROOFED WITH A MANDREL AND EQUIPPED WITH PULL ROPE OR MULE TAPE.

STANDARD TRENCHING NOTES:

1. MAINTAIN 42" MINIMUM COVER FOR ELECTRICAL CONDUIT.
2. MAINTAIN 42" MINIMUM COVER FOR COMMUNICATION 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 18" ABOVE ALL CONDUITS AND #18 WARNING TAPE ABOVE GROUND EQUIPMENT.

UTILITY POLE CONSTRUCTION NOTES:

1. NO BOLT THREADS TO PROTRUDE MORE THAN 1/2".
2. FILL ALL HOLES LEFT IN POLE FROM REARRANGEMENT OF CLIMBERS.
3. ALL CLIMB STEPS NEXT TO CONDUIT SHALL HAVE EXTENDED STEPS.
4. CABLE NOT TO IMPEDE 15" CLEAR SPACE OFF POLE FACE.
5. 90° SHORT SWEEP 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 ARMS; PLACE 2" CARRIER ID TAGS ON BOTH SIDE 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.

VERIZON WIRELESS CONSTRUCTION NOTES:

1. CONTRACTOR IS TO FOLLOW THE MOST CURRENT VZW STANDARDS DOCUMENTS PROVIDED TO COMPLETE THIS INSTALLATION.
2. CONTRACTOR SHALL COMPLETE VZW PROVIDED "SMALL CELL SWEEP REPORT" WITH ALL INFORMATION FILLED IN ACCURATELY AND COMPLETELY.
3. CONTRACTOR TO REFER TO THE MOST CURRENT VZW STANDARDS FOR APPROVED "PIM" TEST EQUIPMENT AND GUIDELINES.
4. CONTRACTOR IS TO USE BATTERY POWERED "PIM" EQUIPMENT TO VALIDATE THE FINAL LOCATION OF THE JUMPER AND ANTENNA ARE FREE OF INTERNAL AND EXTERNAL "PIM" SOURCES.
5. CONTRACTOR SHALL PROVIDE AT LEAST ONE TECHNICAL LEAD THAT IS CERTIFIED AND PROFICIENT IN EXECUTING, INTERPRETING AND RECORDING "PIM" MEASUREMENTS.

PREPARED FOR:

verizon

PREPARED BY:

TeleCAD
Wireless

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

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DRAWN BY: ZCK

CHECKED BY: SEH

REVISIONS

NO.	DATE	BY	DESCRIPTION
0	09/11/25	JAF	CONSTRUCTION ISSUE
A	07/12/25	ZCK	PRELIMINARY REVIEW

ENGINEER'S STAMP:



NOT VALID WITHOUT P.E. STAMP & SIGNATURE

SITE NAME: 32650

ADDRESS:
3145 MCDUGALL ST
DETROIT, MI 48207

COUNTY:
WAYNE

LATITUDE:
42° 21' 21.204" N

LONGITUDE:
83° 1' 43.284" W

DESIGN TYPE:
RAWLAND

SHEET TITLE:
GENERAL NOTES

DRAWING NO.

GN1

REVISION:

0

NOTES:

1. THIS DRAWING IS BASED ON AERIAL IMAGERY AND FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE PROPOSED USE DOES NOT REQUIRE FULL OR PART TIME EMPLOYEES AT THE SITE.
3. FOR GENERAL SITE WORK NOTES, SEE SHEET GN1.
4. ALL NORTH ARROWS ON SITE PLANS ARE TRUE NORTH, UNLESS OTHERWISE SPECIFIED.
5. CONSTRUCTION UNDER EXISTING PAVEMENTS WILL BE REQUIRED TO BE INSTALLED WITH DIRECTIONAL BORING TECHNIQUE. NO OPEN CUT CONSTRUCTION THROUGH EXISTING PAVEMENT, I.E. ROADWAYS, PARKING AREAS, SIDEWALKS WILL BE ALLOWED.
6. RIGHT OF WAY INFORMATION ACQUIRED FROM GIS.
7. WHEN NECESSARY TO REMOVE ANY PART OF A FLAG FOR UTILITY CONSTRUCTION, THE ENTIRE FLAG SHALL BE REPLACED. IF BLIND JOINTS ARE ENCOUNTERED, THEY SHALL BE SAWED TO PREVENT DAMAGE TO ADJACENT FLAGS. SIDEWALKS SHALL BE PLACED ON A COMPACTED SUBGRADE THAT WILL ALLOW FOR A 4-INCH CONCRETE SLAB WITH ITS FINISHED TOP SURFACE AT THE ORIGINAL SIDEWALK GRADE AND MEETING THE GRADE OF ANY ADJACENT UNDISTURBED SIDEWALKS. SIDEWALKS SHALL BE REPLACED WITH GRADE "A" CONCRETE.
8. UTILITY POTHOLING WILL BE CONDUCTED FOR ANY NEW PROPOSED CONDUIT TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES.

LEGEND

OVERHEAD UTILITIES	— DHU —	CATCH BASIN	⊞
UNDERGROUND POWER	— UGP —	STREET SIGN	—
OVERHEAD POWER	— DHP — DHP —	4 WAY STREET SIGN	+
UNDERGROUND TELCO	— UGT —	UTILITY POLE	⊙
OVERHEAD TELCO	— DHT —	LIGHT POLE	⊙
GAS LINE	— GAS — GAS —	WATER VALVE	⊗
FENCE	-x-x-x-x-x-x-	MANHOLE	⊙
WOOD FENCE	-o-o-o-o-o-	GAS VALVE	⊗
SEWER LINE	— SWR — SWR —	FIRE HYDRANT	⊙
WATER LINE	— WTR —	TELCO PEDESTAL	⊞
HYBRID CABLE	— HYB —	ELECTRICAL BOX	⊞
HIGH VOLTAGE POWER	— HVP —		
FIBER	— FBR —		
RIGHT-OF-WAY	— RDW — RDW —		
PROPERTY LINE	— PL — PL —		

UTILITY NOTE:

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

PREPARED FOR:



PREPARED BY:



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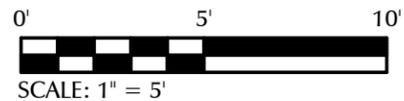
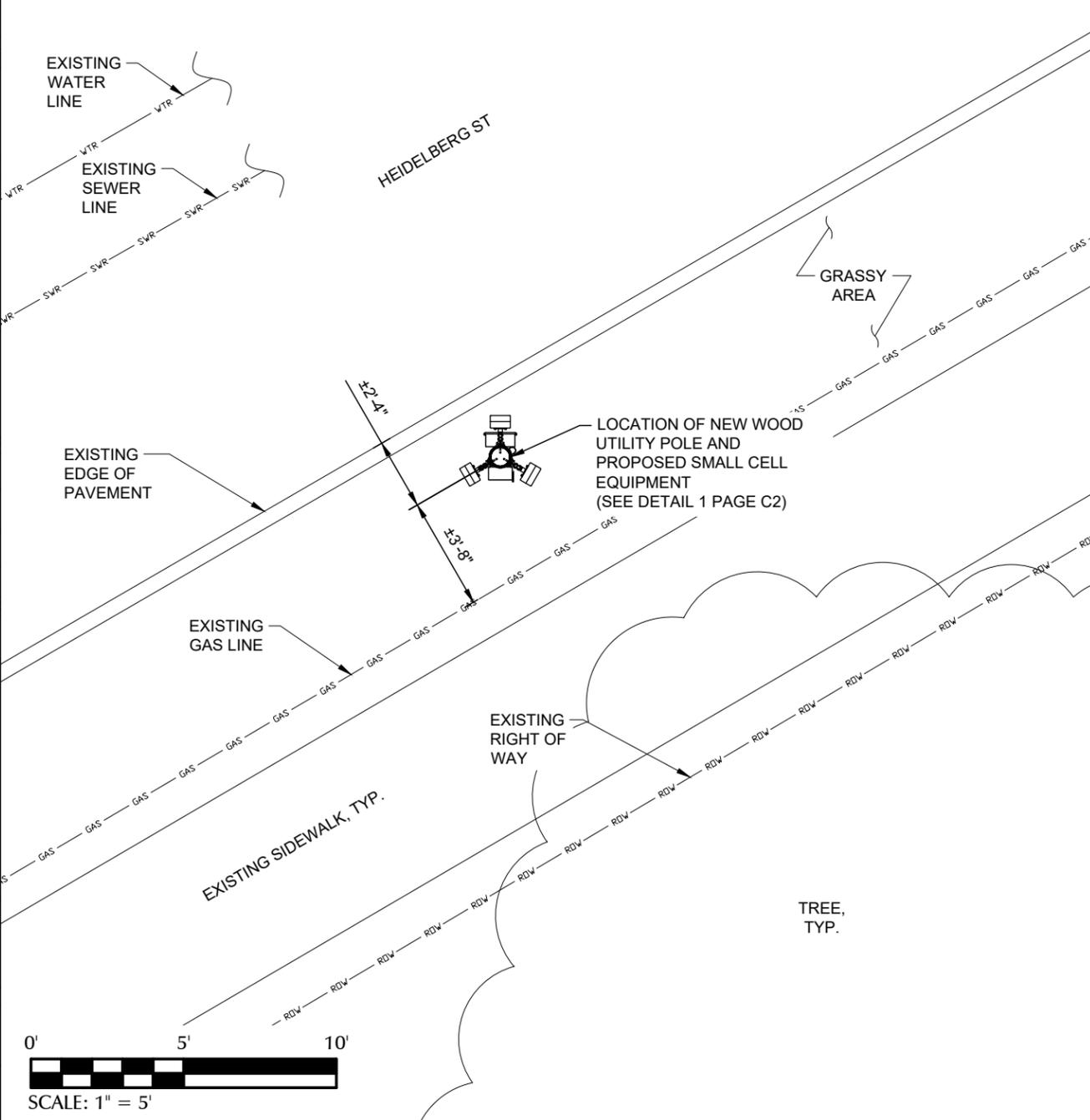
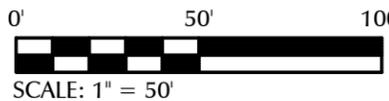
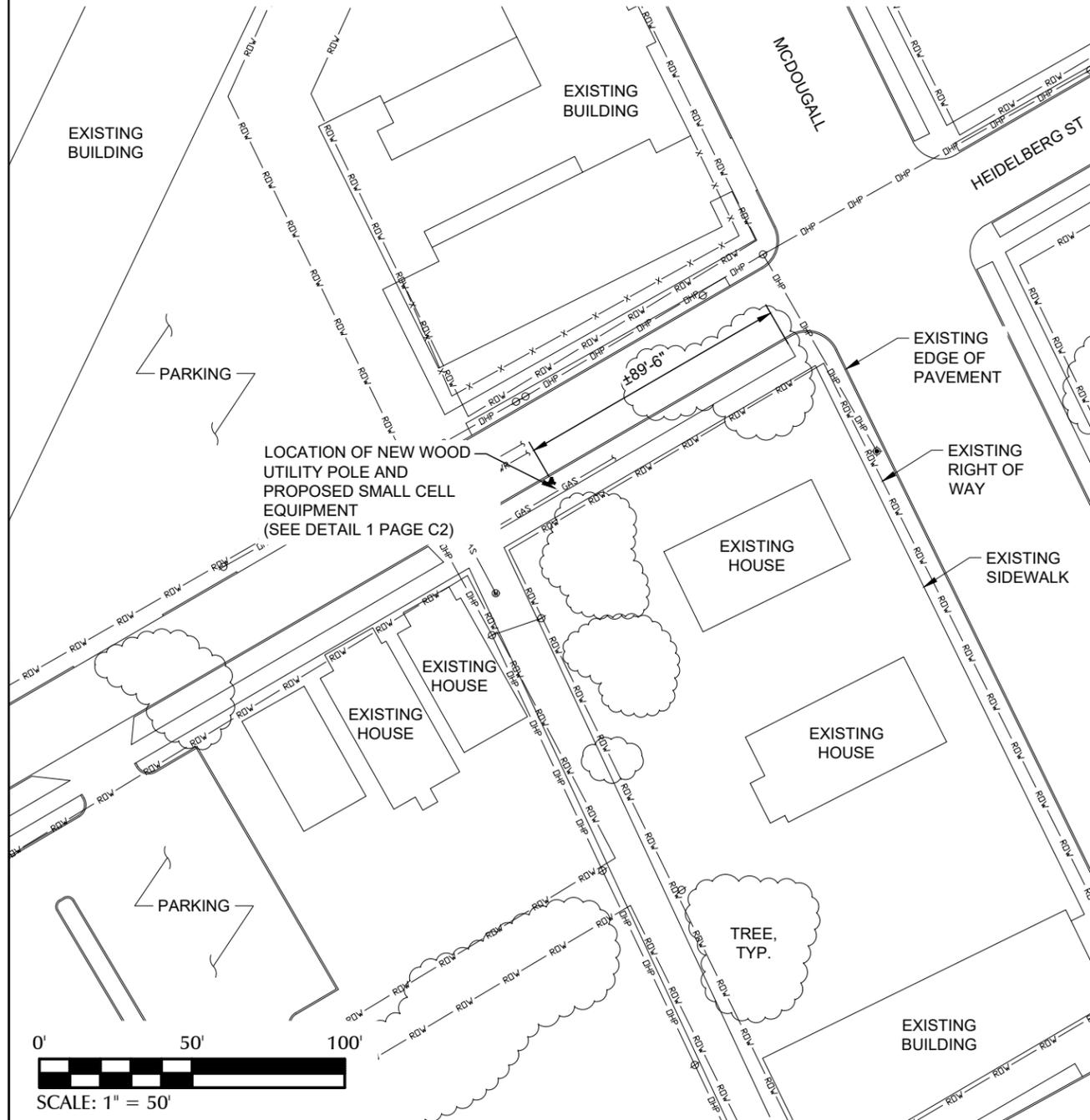
ENGINEER'S STAMP:

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DETROIT, MI 48207
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LONGITUDE: 83° 1' 43.284" W
DESIGN TYPE: RAWLAND

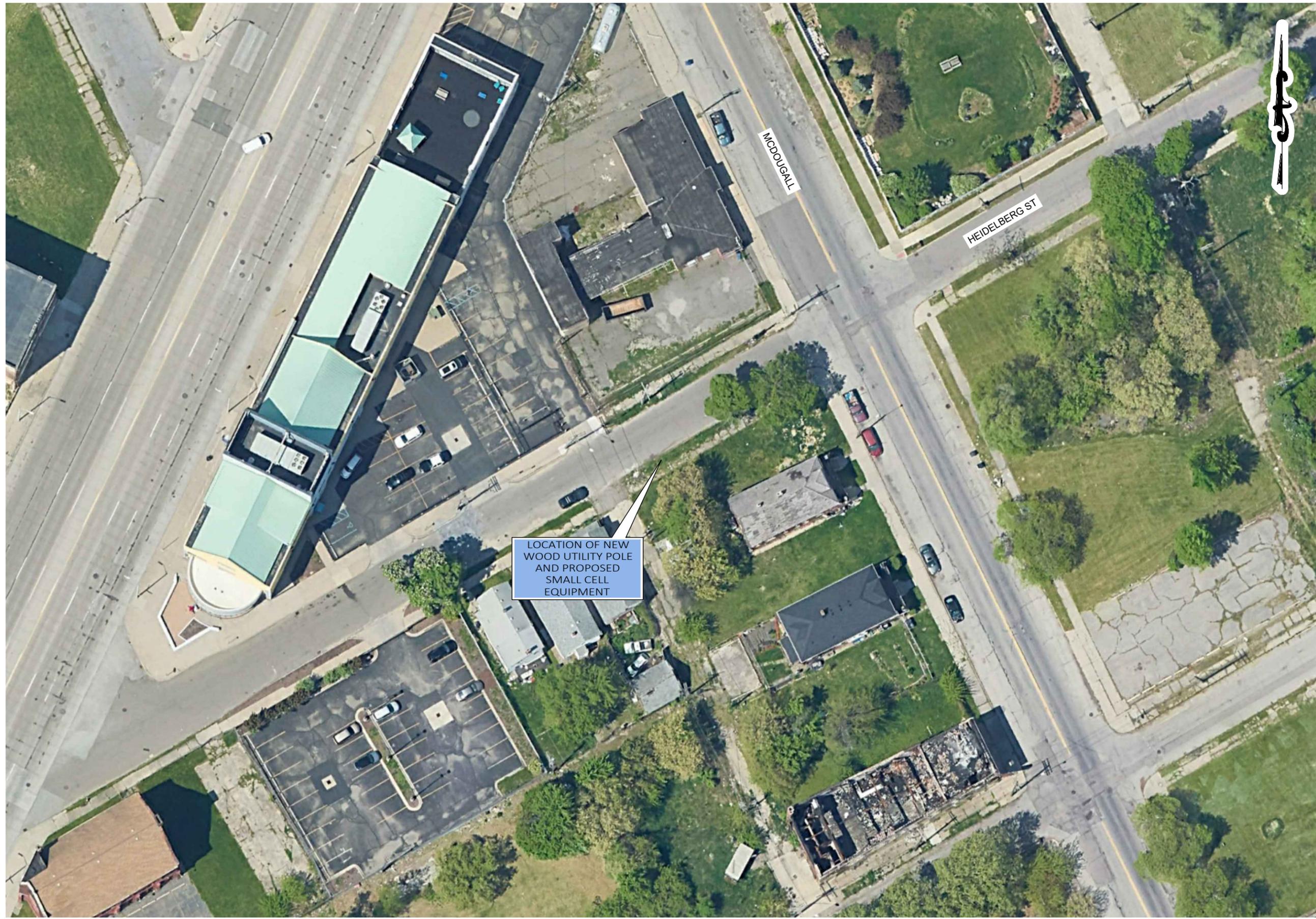
SHEET TITLE: SITE LAYOUTS

DRAWING NO.: C1
REVISION: 0



1 OVERALL SITE LAYOUT

2 ENLARGED SITE LAYOUT



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SHEET TITLE:
 SITE LAYOUT -
 AERIAL IMAGERY

DRAWING NO. C1A	REVISION: 0
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PROPOSED ERICSSON
6701 ANTENNA
(SEE DETAIL 1 PAGE C5)

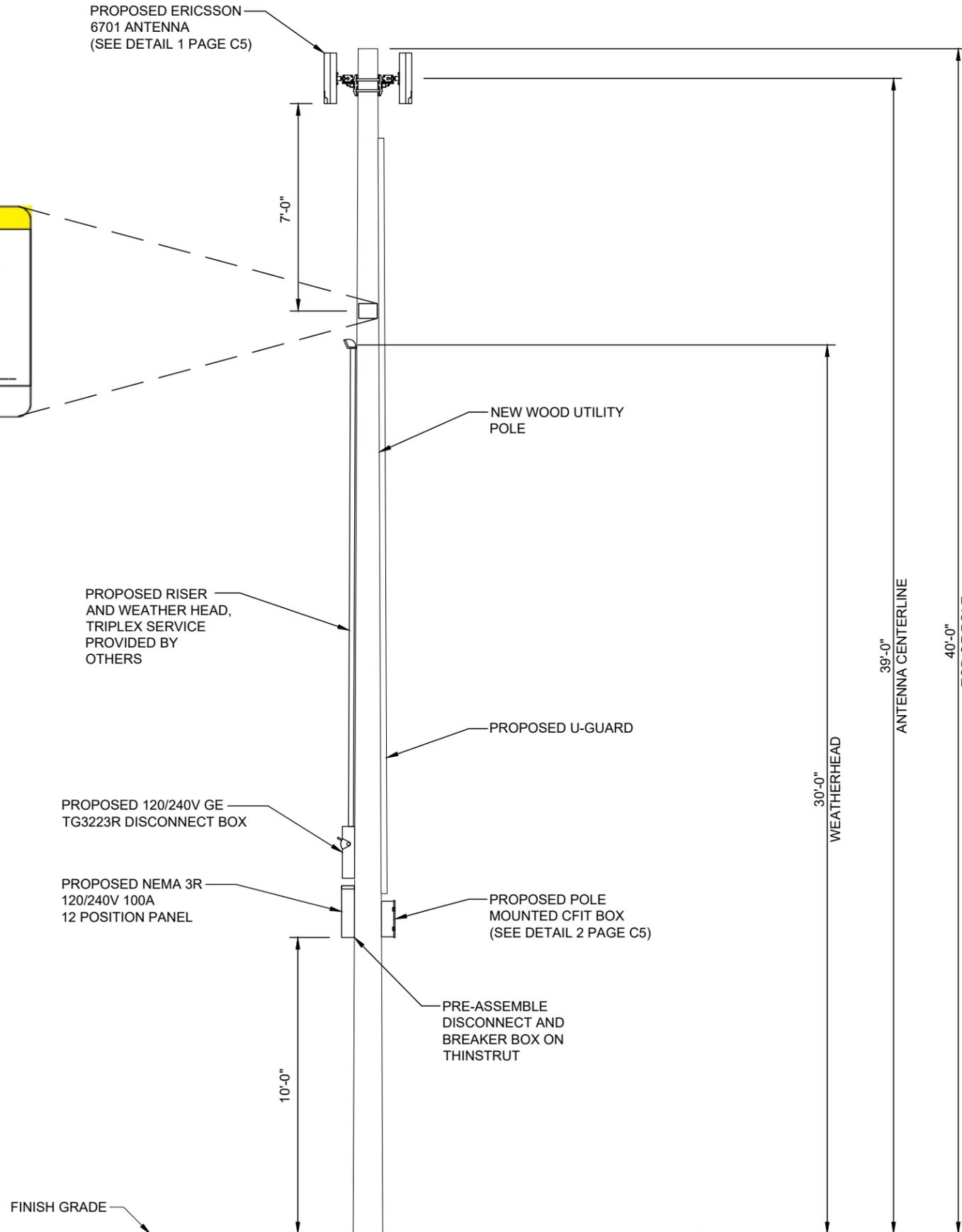
CONTRACTOR TO OBTAIN
LATEST RFDS FROM VERIZON
PRIOR TO CONSTRUCTION.

40" MIN. CLEARANCE
BELOW NEW TRIPLEX
SERVICE

REFER TO RFDS FOR SMALL
CELL AZIMUTHS



6"x7.5" RF CAUTION SIGN
TYPICAL OF 2



INSTALL ON BREAKER PANEL

1 POLE ELEVATION

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DESIGN TYPE: RAWLAND

SHEET TITLE:
POLE ELEVATION

DRAWING NO. C2
REVISION: 0

N.T.S.

PREPARED FOR:



PREPARED BY:



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SHEET TITLE: SITE DETAILS

DRAWING NO. C3
REVISION: 0

POLE ATTACHED EQUIPMENT	
EQUIPMENT	VOLUME (CU-FT)
6701 ANTENNA	0.46
6701 ANTENNA	0.46
6701 ANTENNA	0.46
TOTAL IN CU-FT	1.38

POLE ANCILLARY EQUIPMENT	
EQUIPMENT	VOLUME (CU-FT)
12 POSITION PANEL	0.80
DISCONNECT	0.57
CFIT BOX	0.60
TOTAL IN CU-FT	1.97

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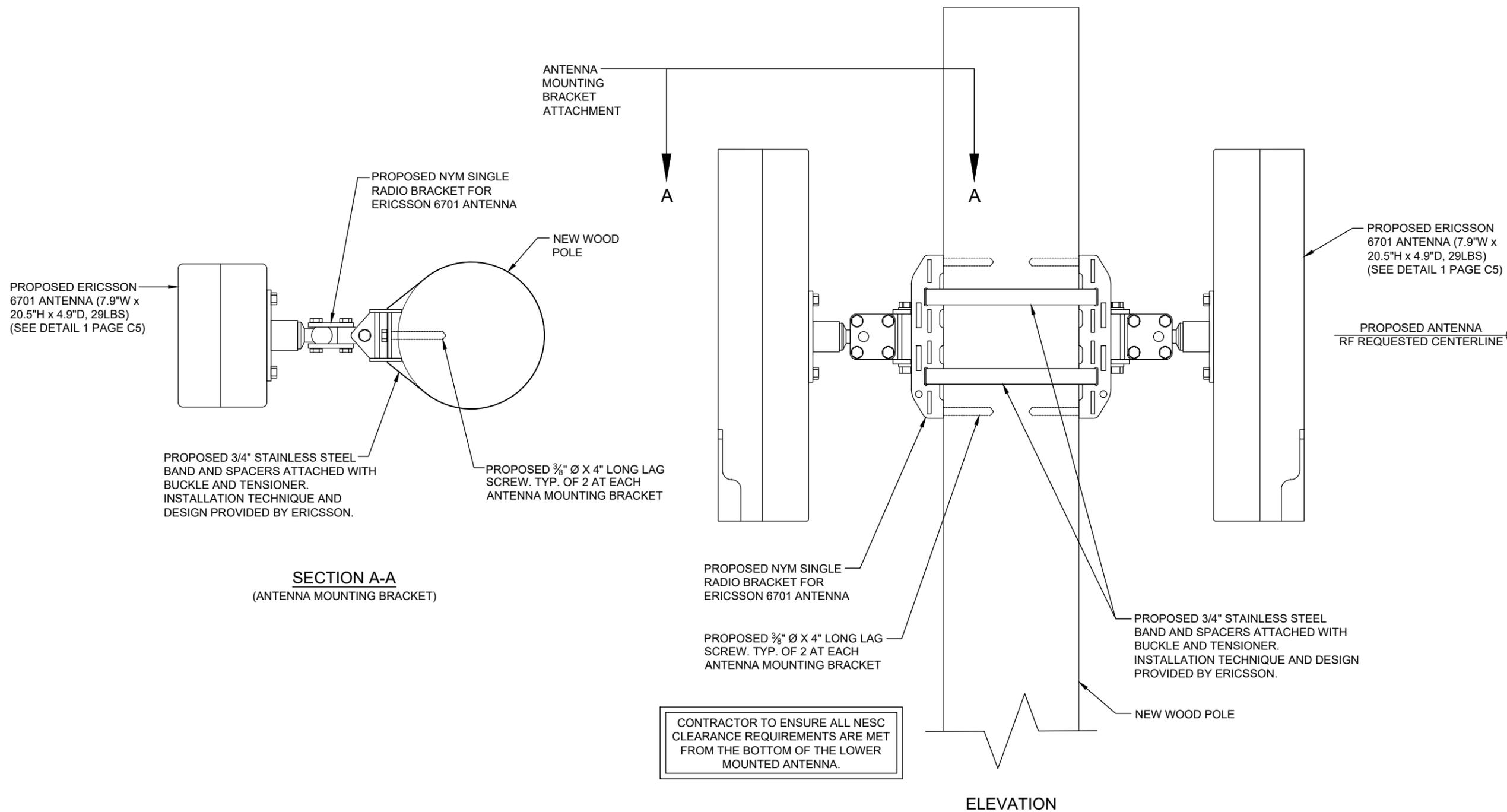


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SITE DETAILS

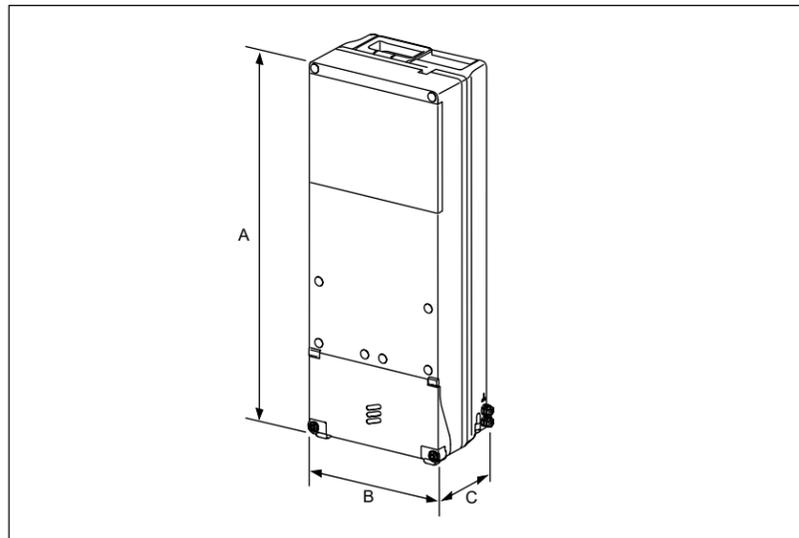
DRAWING NO.	REVISION:
C4	0



Technical Data

Description	Value
Frequency	N261 (27.5–28.35 GHz)
Number of carriers	Config mode 2: Up to 8 Config mode 1: Up to 16
Operating bandwidth	Config mode 2: 800 MHz Config mode 1: 1600 MHz
Component carrier bandwidth	50MHz, 100 MHz
EIRP ⁽¹⁾	Config mode 2: 53 dBm per RF beam in boresight , 56 dBm per radio Config mode 1: 47 dBm per RF beam in boresight , 53 dBm per radio
EIS ^{REFSENS_50M}	Config mode 2: -109 dBm Config mode 1: -106 dBm

(1) The MaxTxPower can be configured up to 10 dB lower than the stated EIRP without product performance being degraded. If the MaxTxPower is configured lower than the given power limit here, significant performance degradation will occur.

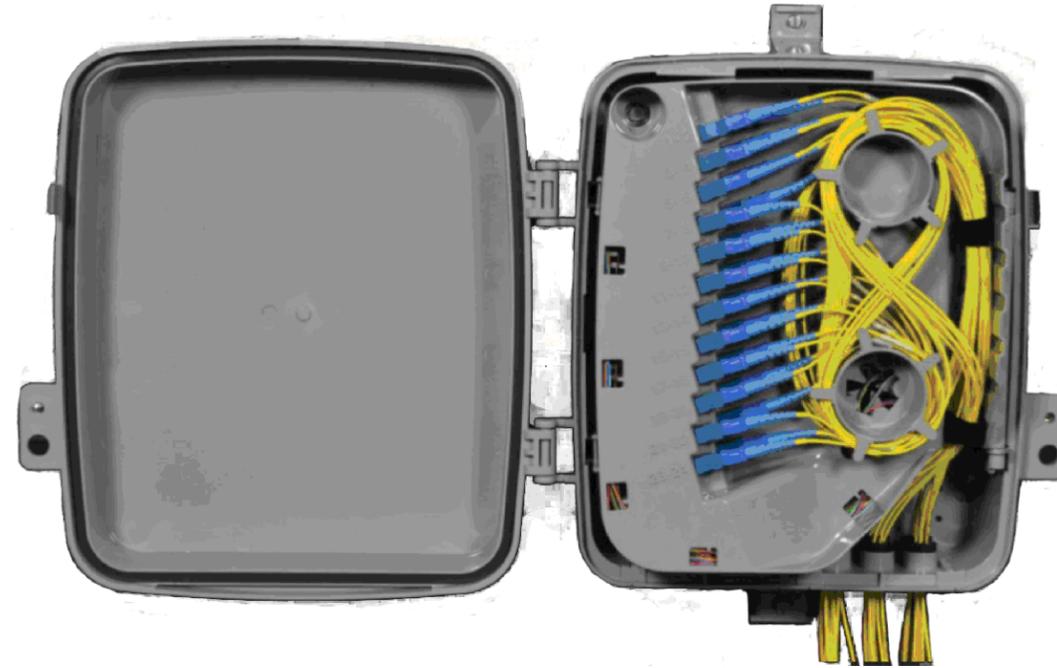


Dimensions, Weight, and Color

Dimensions	
Height (A)	511 mm
Width (B)	200 mm
Depth (C)	125 mm
Weight	14 kg
Color	Gray Reference number: NCS S 1002-B

CFIT BOX

PART CODE: CFIT-C48D4LHXVZ
DESIGNED BY CHARLES INDUSTRIES



PRODUCT SPECIFICATIONS

TECHNICAL SPECIFICATIONS	
HEIGHT (PANEL ONLY)	15 in.
DEPTH, BASE (FRONT TO BACK)	5.5 in.
WIDTH	12 in.
WEIGHT	4 lbs.
CONSTRUCTION	RUGGED UL94-5VA GRAY POLYCARBONATE
SUPPORTED FIBER CONNECTOR TYPES	SC, LC or MPO
COMPLIANCE	DESIGNED TO MEET GR-950, GR2898, NEMA 4, IP66
SPLICING CAPACITY	UP TO THREE (3) 4"x6" HINGED SPLICE TRAYS ON FEED FIBER SIDE.
BULKHEAD CAPACITY	24 SC ADAPTERS

PREPARED FOR:



PREPARED BY:



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

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
0	09/11/25	JAF	CONSTRUCTION ISSUE
A	07/12/25	ZCK	PRELIMINARY REVIEW

ENGINEER'S STAMP:



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SITE NAME:	32650
ADDRESS:	3145 MCDUGALL ST DETROIT, MI 48207
COUNTY:	WAYNE
LATITUDE:	42° 21' 21.204" N
LONGITUDE:	83° 1' 43.284" W
DESIGN TYPE:	RAWLAND

SHEET TITLE:
EQUIPMENT DETAILS

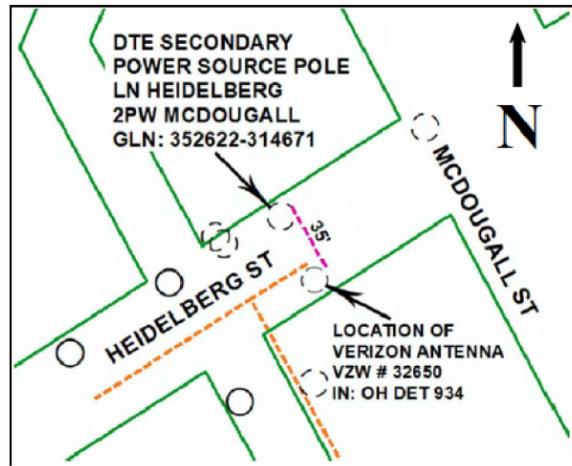
DRAWING NO.	REVISION:
C5	0

ELECTRICAL NOTES:

1. PROVIDE AND INSTALL WARNING TAPE FOR ELECTRIC SERVICE CONDUIT 18" ABOVE CONDUITS.
2. CONTRACTOR TO PAY FOR THE SERVICE AS DIRECTED BY THE MUNICIPALITY.
3. CONTRACTOR TO USE PVC SCH 80 CONDUIT WHERE CONDUITS CROSS ACCESS ROADS.
4. CONTRACTOR SHALL COORDINATE WITH ELECTRIC COMPANY FOR SERVICES.
5. CONTRACTOR TO PAY ALL FEES FOR SERVICES REQUIRED.
6. CONTRACTOR TO BE ADVISED THAT EXISTING UNDERGROUND CONDUITS, GROUND CABLES EXIST. DIG WITH CAUTION.
7. CONTRACTOR TO VERIFY POWER AND TELCO LB LOCATIONS AND FLEX CONDUIT SIZE AND ROUTING TO THE EQUIPMENT WITH MANUFACTURER'S DRAWINGS.
8. CONSTRUCTION UNDER EXISTING PAVEMENTS WILL BE REQUIRED TO BE INSTALLED WITH DIRECTIONAL BORING TECHNIQUE. NO OPEN CUT CONSTRUCTION THROUGH EXISTING PAVEMENT, I.E. ROADWAYS, PARKING AREAS, SIDEWALKS WILL BE ALLOWED.
9. WHEN NECESSARY TO REMOVE ANY PART OF A FLAG FOR UTILITY CONSTRUCTION, THE ENTIRE FLAG SHALL BE REPLACED. IF BLIND JOINTS ARE ENCOUNTERED, THEY SHALL BE SAWED TO PREVENT DAMAGE TO ADJACENT FLAGS. SIDEWALKS SHALL BE PLACED ON A COMPACTED SUBGRADE THAT WILL ALLOW FOR A 4-INCH CONCRETE SLAB WITH ITS FINISHED TOP SURFACE AT THE ORIGINAL SIDEWALK GRADE AND MEETING THE GRADE OF ANY ADJACENT UNDISTURBED SIDEWALKS. SIDEWALKS SHALL BE REPLACED WITH GRADE "A" CONCRETE.
10. UTILITY POTHOLES WILL BE CONDUCTED FOR ANY NEW PROPOSED CONDUIT TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES.

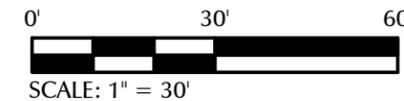
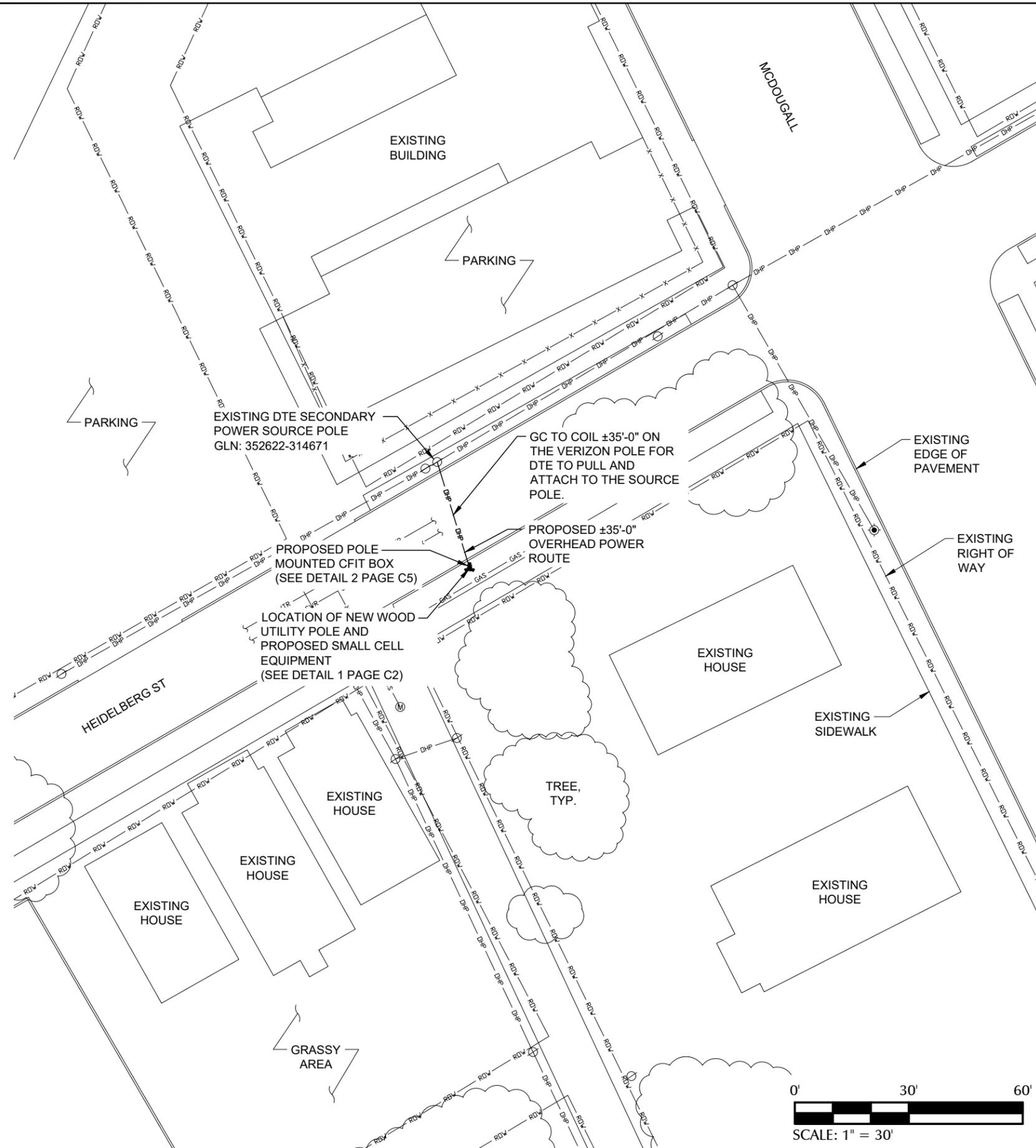
UTILITY NOTES:

1. ALL POWER CONDUITS ABOVE GRADE, SWEEPS, & ELBOWS TO BE PVC SCH 40.



LEGEND

OVERHEAD UTILITIES ——— DHU ———	CATCH BASIN [Grid Symbol]
UNDERGROUND POWER ——— UGP ———	STREET SIGN [Line Symbol]
OVERHEAD POWER ——— DHP ———	4 WAY STREET SIGN [Cross Symbol]
UNDERGROUND TELCO ——— UGT ———	UTILITY POLE [Circle with X Symbol]
OVERHEAD TELCO ——— DHT ———	LIGHT POLE [Circle with Dot Symbol]
GAS LINE ——— GAS ———	WATER VALVE [Valve Symbol]
FENCE — x — x — x — x — x —	MANHOLE [M in Circle Symbol]
WOOD FENCE — o — o — o — o — o —	GAS VALVE [G in Circle Symbol]
SEWER LINE ——— SWR ———	FIRE HYDRANT [Hydrant Symbol]
WATER LINE ——— WTR ———	TELCO PEDESTAL [T in Square Symbol]
HYBRID CABLE ——— HYB ———	ELECTRICAL BOX [E in Square Symbol]
HIGH VOLTAGE POWER ——— HVP ———	
FIBER ——— FBR ———	
RIGHT-OF-WAY ——— RDW ———	
PROPERTY LINE ——— PL ———	



PREPARED FOR:

PREPARED BY:

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

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NO.	DATE	BY	DESCRIPTION
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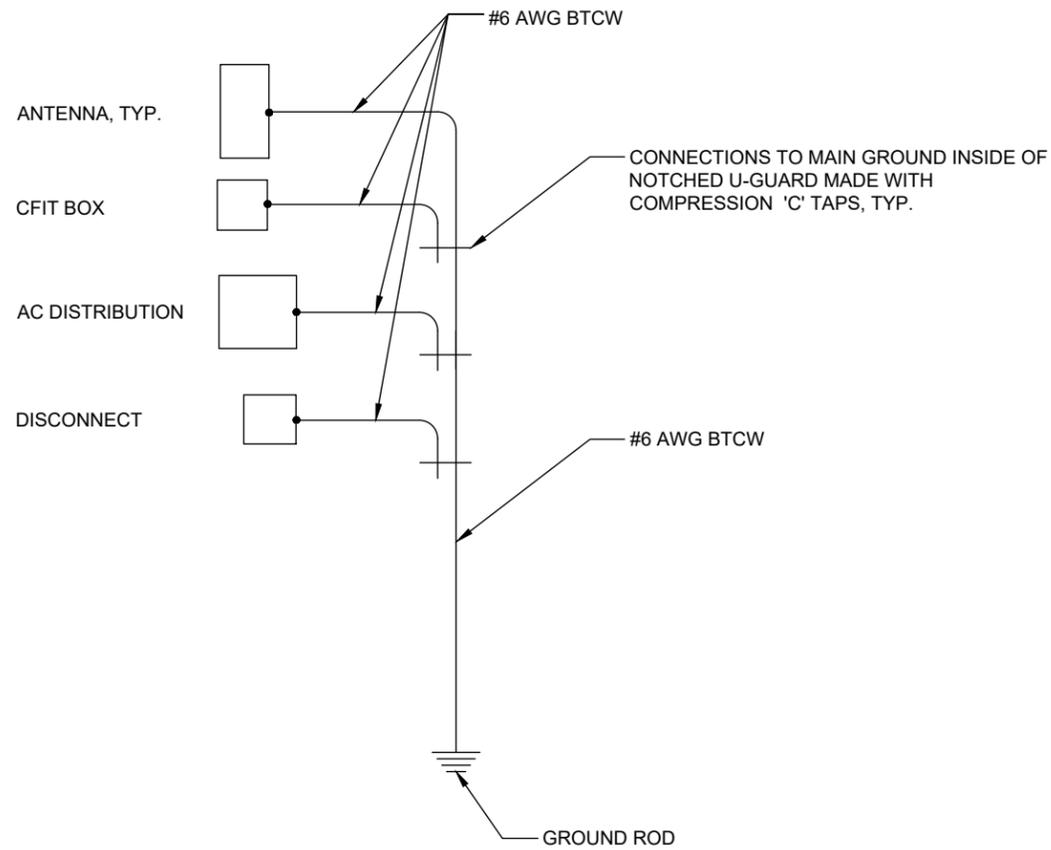
ENGINEER'S STAMP:

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SITE NAME: 32650
ADDRESS: 3145 MCDUGALL ST
DETROIT, MI 48207
COUNTY: WAYNE
LATITUDE: 42° 21' 21.204" N
LONGITUDE: 83° 1' 43.284" W
DESIGN TYPE: RAWLAND

SHEET TITLE: UTILITY SITE PLAN

DRAWING NO. E1 REVISION: 0

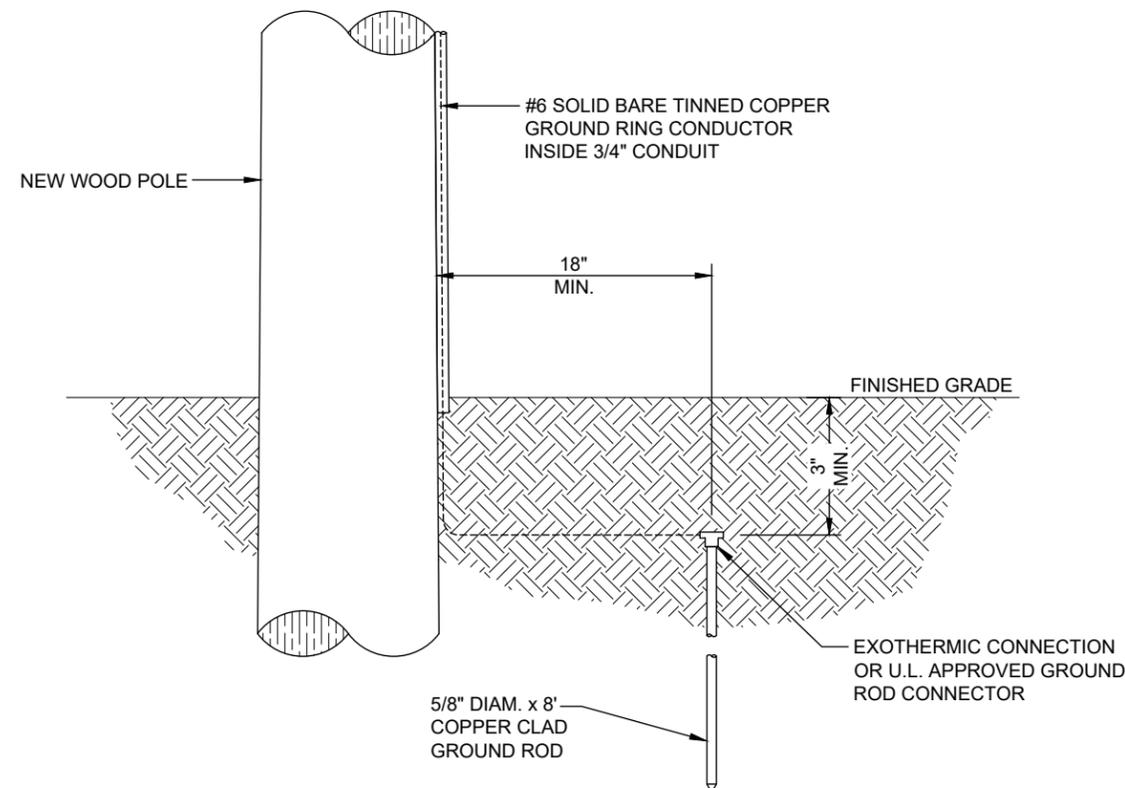


1 SINGLE POINT RADIAL GROUND DETAIL

N.T.S.

2 TRENCH DETAIL (NOT REQUIRED)

N.T.S.



3 GROUND ROD DETAIL

N.T.S.

4 DETAIL NOT IN USE

PREPARED FOR:



PREPARED BY:



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 HIXSON, TN 37343
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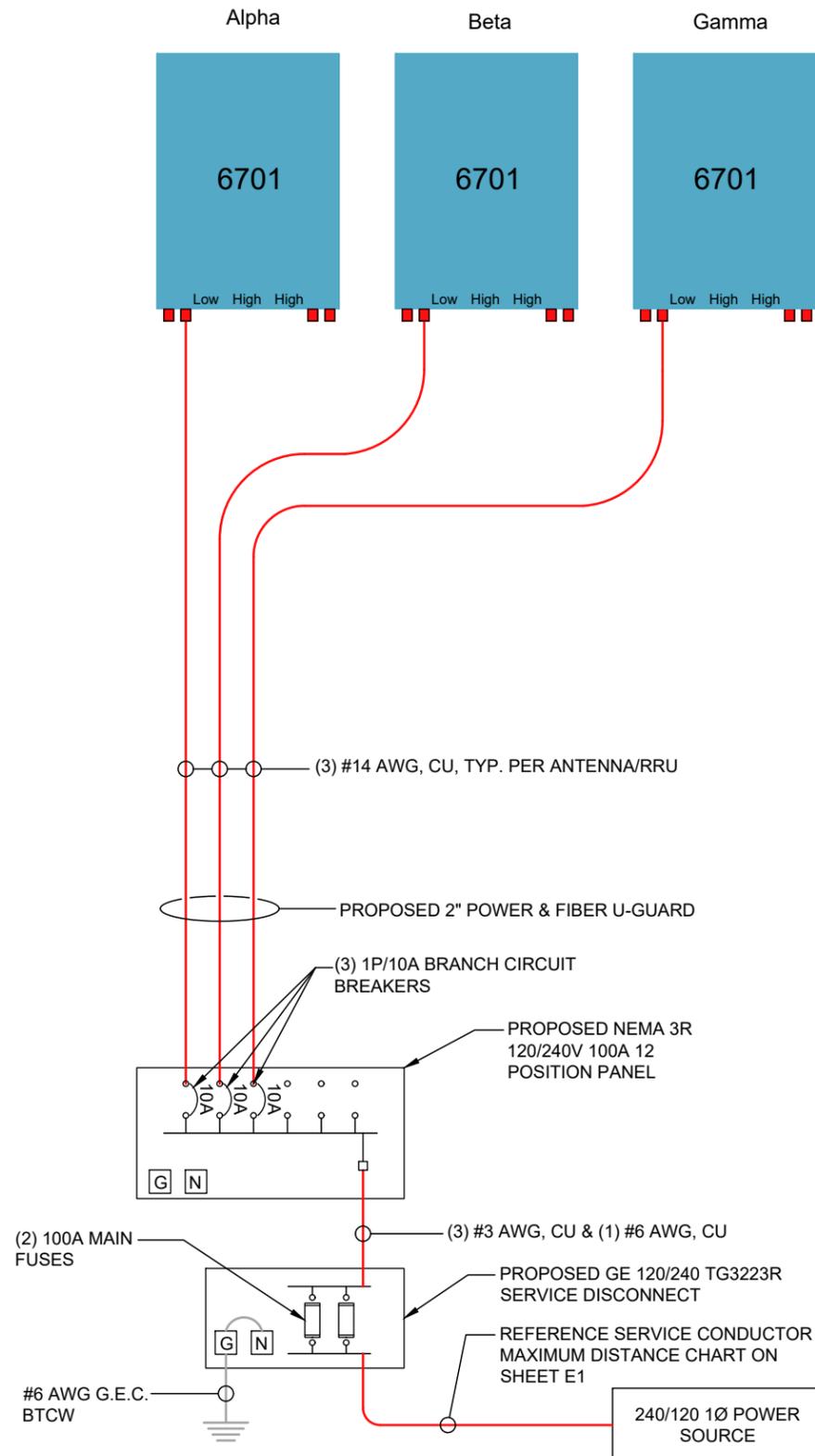


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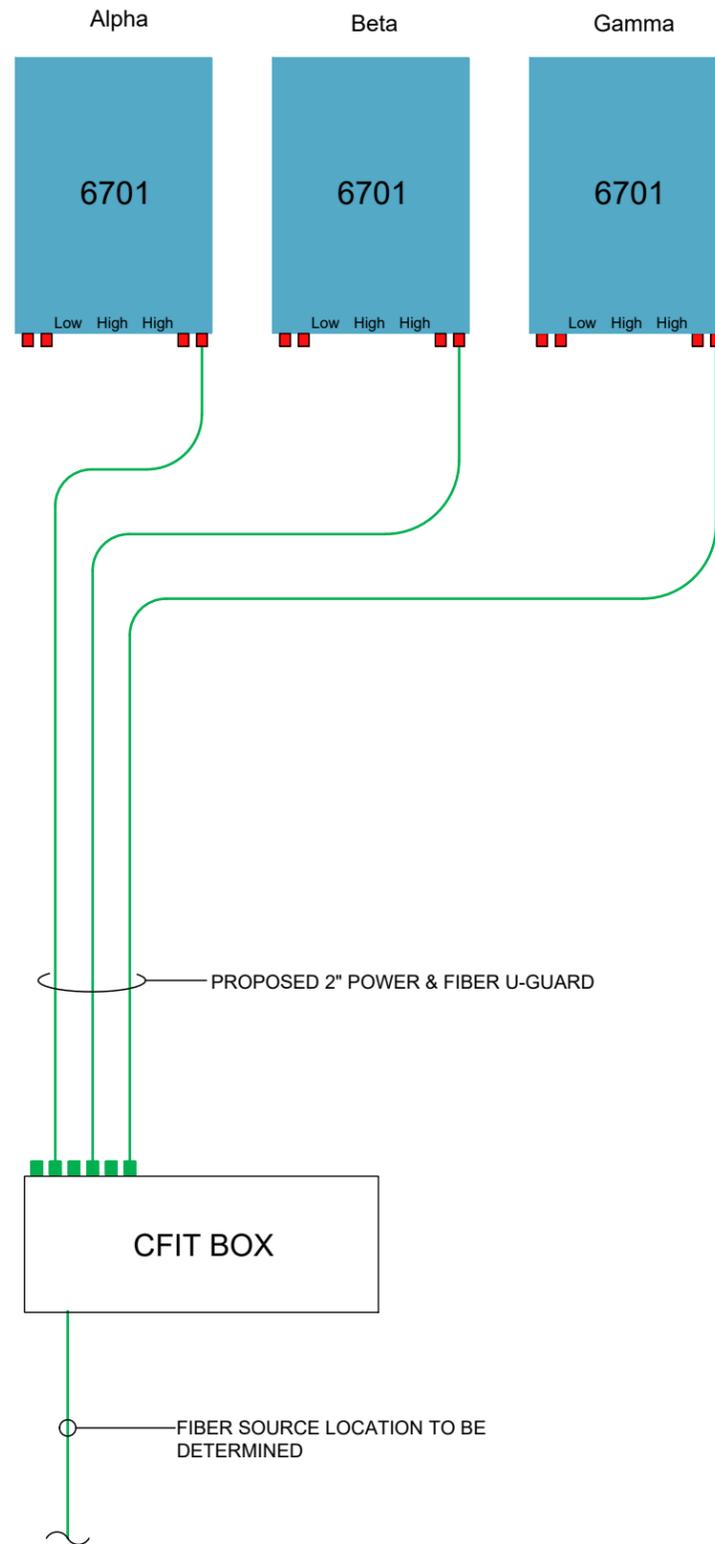
SHEET TITLE:
ELECTRICAL DETAILS

DRAWING NO.	REVISION:
E2	0

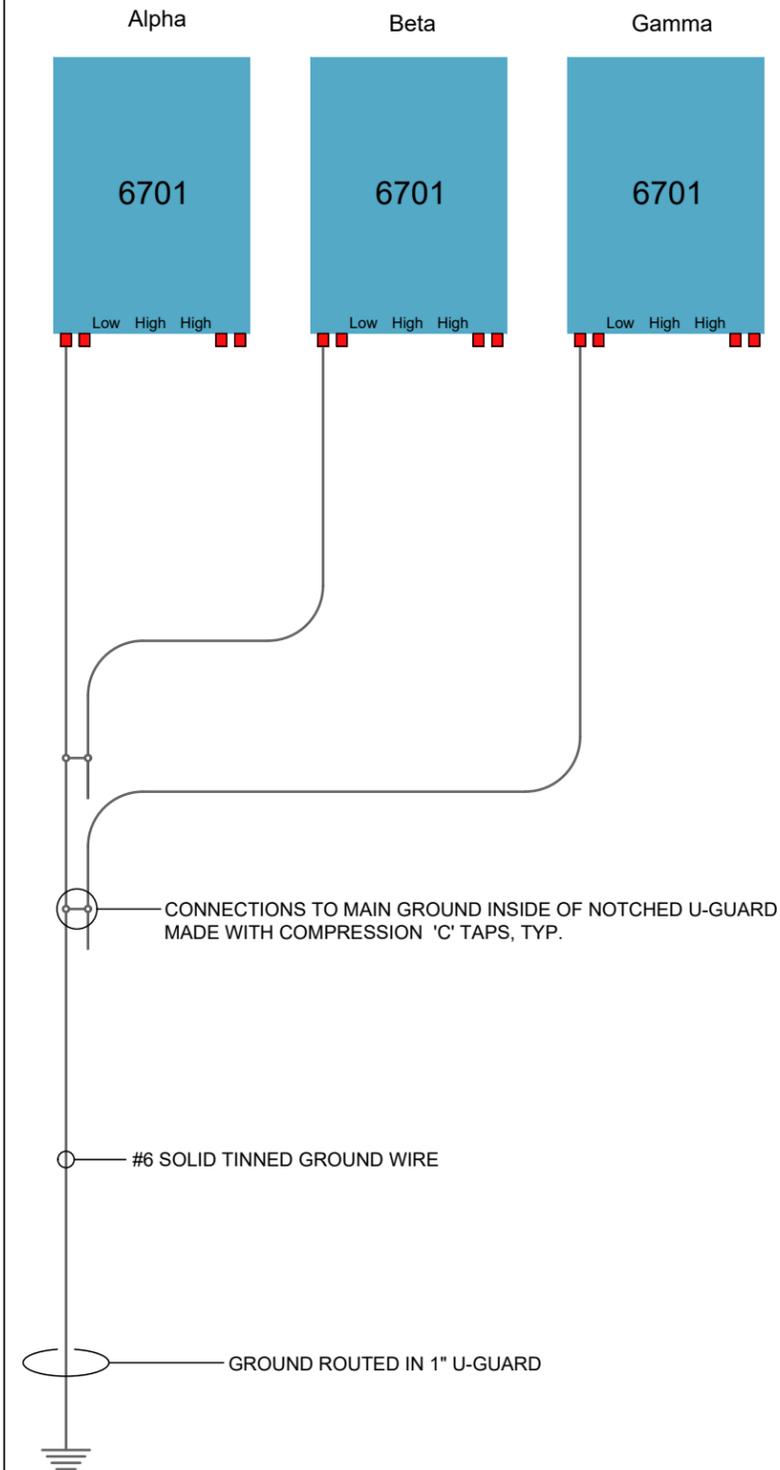
POWER ROUTING



FIBER ROUTING



GROUND ROUTING



PREPARED FOR:
verizon

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

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STATE OF MICHIGAN
Stephen E. Hunt
License No. 6201054169
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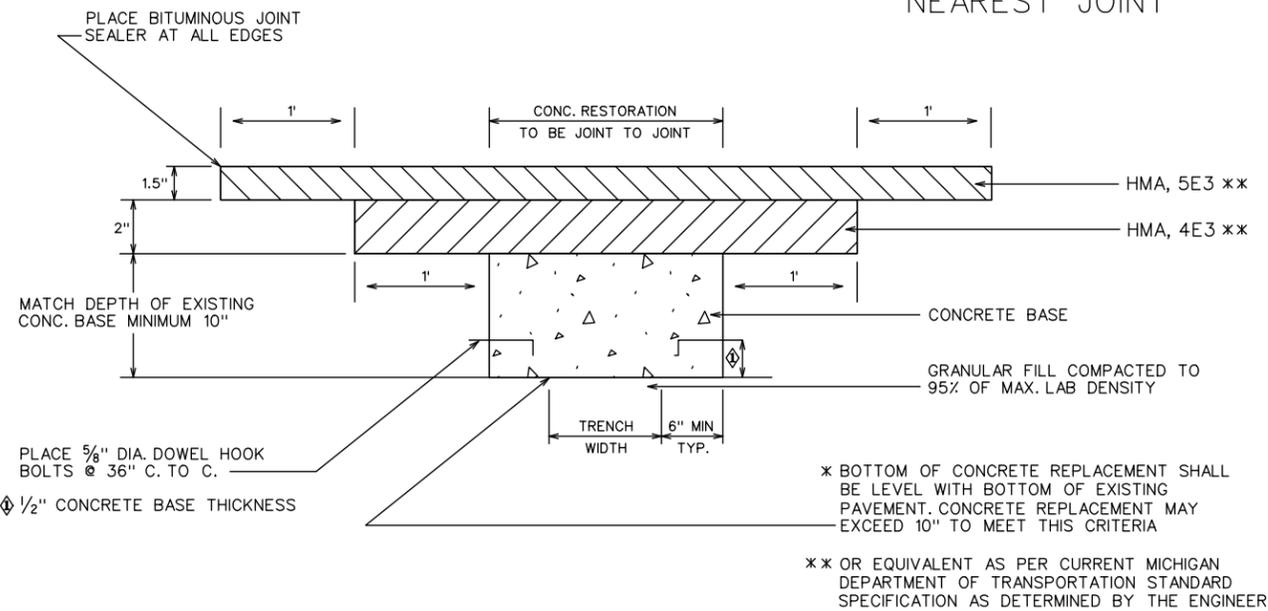
SITE NAME: 32650
ADDRESS: 3145 MCDUGALL ST
DETROIT, MI 48207
COUNTY: WAYNE
LATITUDE: 42° 21' 21.204" N
LONGITUDE: 83° 1' 43.284" W
DESIGN TYPE: RAWLAND

SHEET TITLE:
SINGLE LINE DIAGRAM

DRAWING NO. **E3** REVISION: **0**

MAJOR STREETS:

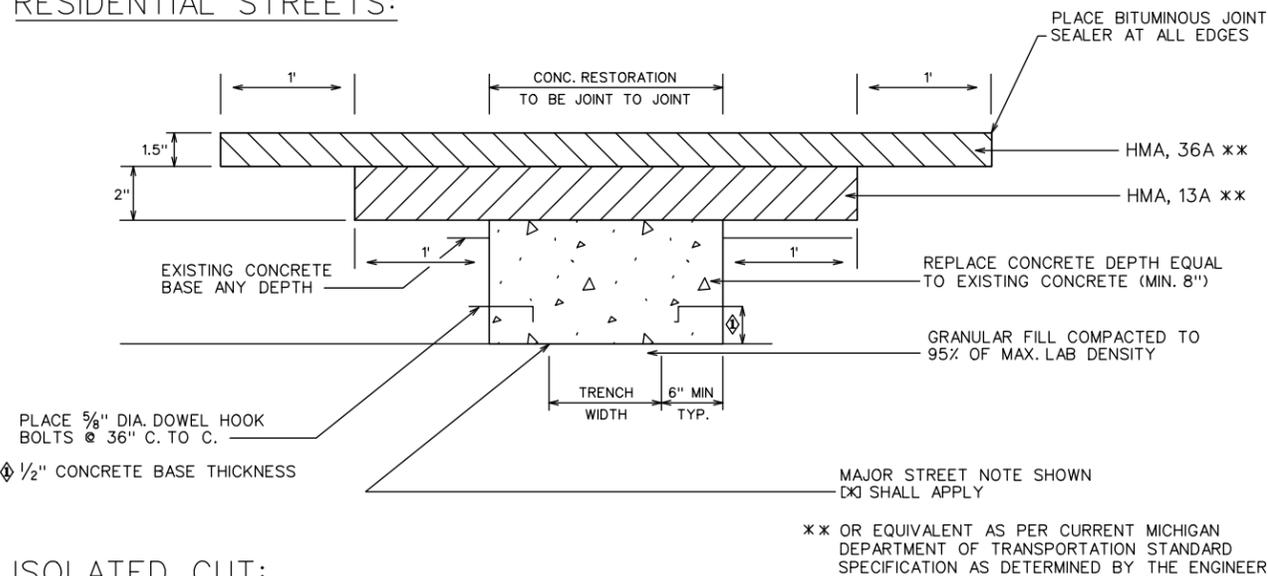
NOTE: PAVEMENT CUTS MUST EXTEND TO NEAREST JOINT



EXCEPTION:

TO ABOVE 3" HMA REPLACEMENT. WHEN PAVEMENT REPLACEMENT IS 100 FEET FROM EITHER SIDE OF UNDERPASS REPLACE 10" MIN CONCRETE BASE WITH TOP OF CONCRETE LEVEL WITH TOP OF EXISTING CONCRETE AND REPLACE HMA SECTION AS EXISTING

RESIDENTIAL STREETS:



ISOLATED CUT:

TRIM JOINT TO OBTAIN VERTICAL CUT

CITY OF DETROIT NOTES

- MILL (REMOVE) HMA PAVEMENT WITHIN AND BEYOND THE AREA OF TRENCH PAVEMENT REMOVAL IN ORDER TO DETERMINE LOCATION OF UNDERLYING CONCRETE BASE PAVEMENT JOINTS. MILL MINIMUM TO 1' BEYOND NEAREST CONCRETE JOINTS.
- EXTEND UTILITY TRENCH CONCRETE PAVEMENT REMOVAL TO ALL CONCRETE PAVEMENT JOINTS AND / OR CURBS ADJACENT TO THE TRENCH AREA. REMOVAL SHALL BE "JOINT TO JOINT".
- CONCRETE PAVEMENT CUTS SHALL BE MINIMUM 3' WIDE.
- ALL PAVEMENT CUTS SHALL BE MINIMUM 1' WIDER THAN TRENCH WIDTH.
- ALL REMOVALS SHALL BE SAWCUT STRAIGHT AND SQUARE (90 DEGREES).
- CONCRETE RESTORATION PAVEMENT SHALL BE MDOT P1 MIX (3,500 PSI).
- RESTORED CONCRETE PAVEMENT SHALL MATCH THICKNESS OF EXISTING CONCRETE PAVEMENT IN CONFORMANCE WITH MDOT STANDARDS DETAIL R-44-F.
- RESTORED CONCRETE SHALL BE ANCHORED TO EXISTING CONCRETE PAVEMENT IN CONFORMANCE WITH MDOT STANDARD DETAIL R-44-F
- APPLY HMA TACK COAT PER MDOT STANDARD SPECIFICATIONS SECTION 904.
- RESTORE HMA PAVEMENT 3 1/2" TO MATCH EXISTING, IN 2 LIFTS:
1ST LIFT - 2" MDOT HMA 4E3 (13A RESIDENTIAL), COMPACTED, EXTENDED 1' BEYOND BASE CONCRETE REPAIR.
2ND LIFT - 1 1/2" MDOT HMA 5E3 (36A RESIDENTIAL), COMPACTED, EXTENDED 1' BEYOND 1ST LIFT..
- BITUMINOUS JOINT SEALER SHALL BE PLACED AT ALL FINISHED HMA JOINTS.
- ALL DISTURBED PAVEMENT MARKINGS AND OTHER ASSETS, INCLUDING BIKE LANE DELINEATORS, WILL HAVE TO BE REPLACED AT THE COST OF THE PERMIT HOLDER, AND SHALL CONFORM TO THE LATEST CED / TED STANDARDS.
- FOR OTHER RELATED SPECIFICATIONS (BACKFILL COMPACTION, MATERIALS, ETC...), REFER TO DIVISION 15 OF THE STANDARD SPECIFICATIONS FOR PAVING AND RELATED CONSTRUCTION.
- NOTIFY THE CITY OF DETROIT ENGINEERING DEPARTMENT 24 HOURS PRIOR TO STARTING CONSTRUCTION.
- ANY OPEN EXCAVATIONS ARE TO BE STEEL PLATED. IF EXCAVATIONS ARE IN THE PAVEMENT, THE PLATES ARE TO BE SPIKED AND RAMPED WITH COLD PATCH. CONTACT THE CITY WITH LOCATION OF THE STEEL PLATE.
- THE CITY OF DETROIT REQUIRES ALL CONCRETE WORK TO BE STAMPED WITH A CONTRACTORS IDENTIFICATION STAMP.

PREPARED FOR:



PREPARED BY:



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LONGITUDE:	83° 1' 43.284" W
DESIGN TYPE:	RAWLAND

SHEET TITLE:
BORE PIT RESTORATION

DRAWING NO.	REVISION:
S1	0

B					
A					
DESCRIPTION	DRWN	CHKD	APPD	DATE	
REVISIONS					
DRAWN BY	WLW	CHECKED	KSM		
DATE	08/29/18	APPROVED	SRB		

**HMA SURFACE ON
CONCRETE BASE
UTILITY TRENCH
CONSTRUCTION
PAVEMENT RESTORATION**

**CITY OF DETROIT
CITY ENGINEERING DIVISION
SURVEY BUREAU**

JOB NO.
DRWG. NO.