

METRONET NETWORK CABINET CONSTRUCTION DRAWINGS

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3701 COMMUNICATIONS WAY
EVANSVILLE, IN 47715
812-213-1095

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4-BAY NETWORK
CABINET
DETROIT, MI

DESIGN ENG: LWW

DRAWN BY: JDF

REVIEWED BY: LWW

SUBMITTALS

DATE	DESCRIPTION	REV
5/5/26	PERMITTING	A

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SCALE: NTS

SITE ADDRESS:
42.325833, -83.068467

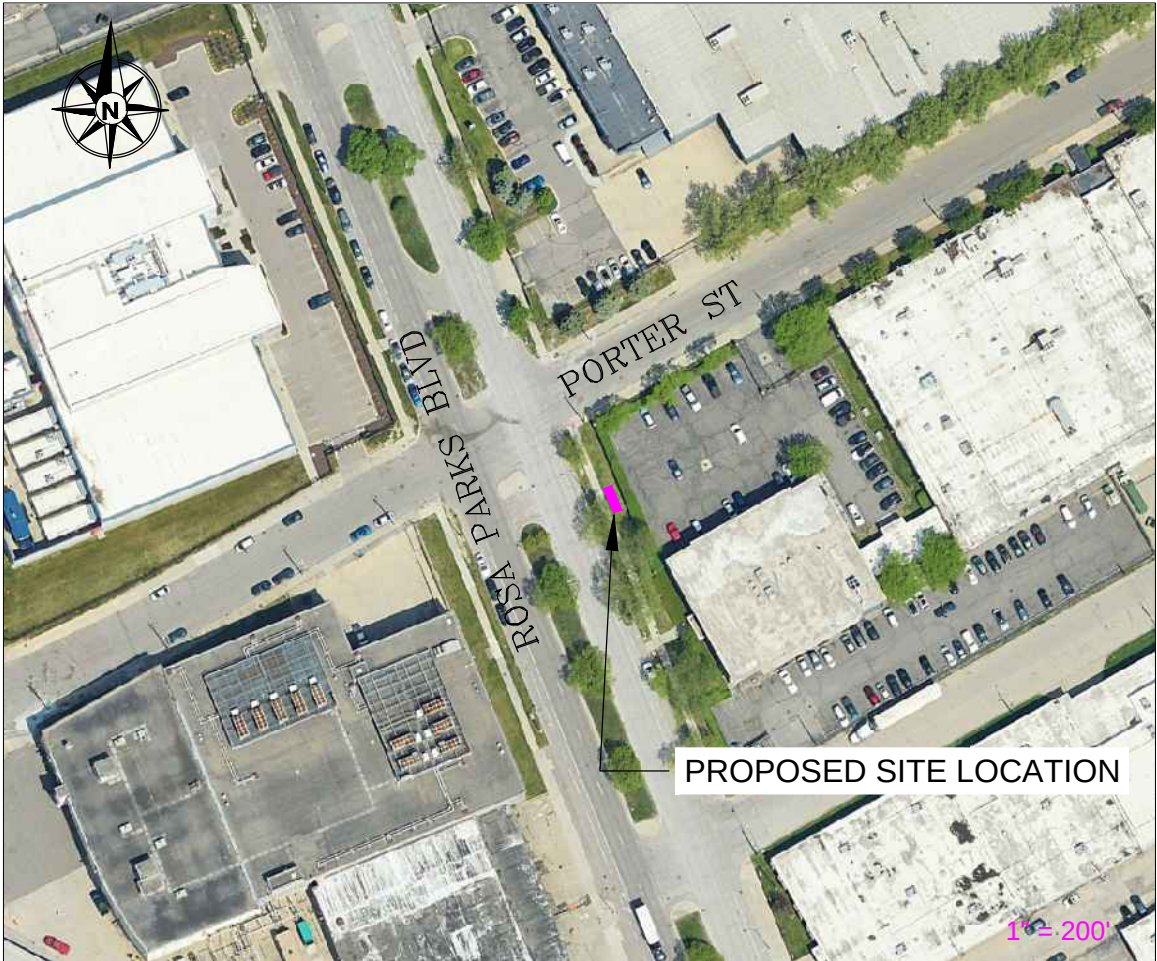
SITE NAME:
DETROIT CABINET

SHEET NAME:
COVER SHEET

SHEET NUMBER:
1

SITE LOCATION MAP

LAT/LONG: 42. 325833, -83.068467



CALL 48 HOURS
BEFORE DIGGING



Know what's below.
Call before you dig.

METRONET CONTACTS:

PROJECT DIRECTOR:

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334-805-7607
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ENGINEER:

LEE W. WRIGHT, P.E.
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SUITE 100
OVERLAND PARK, KS 66210
(810)-333-2303
LEE.WRIGHT@METRONET.COM



NOTE: CONTRACTOR TO LOCATE/VERIFY ALL UTILITIES IN THE CABINET AREA BEFORE CONSTRUCTION CAN BEGIN

EXISTING UTILITY POLE

PROPOSED 3" DIAMETER CONDUIT FOR POWER FROM PROPOSED METER TO EXISTING UTILITY POLE, TO BE LOCATED 36" BELOW GRADE.

SEE SHEET 4 FOR DETAILS

EXISTING FENCE

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LEGEND

PROPERTY LINE	P/L
EDGE OF PAVEMENT	E.O.P
CENTERLINE	- - -
SEWER LINE	- - - - -
FIBER CONDUIT	- - - - -
ELECTRICAL CONDUIT	- - - - -
WATER LINE	- - - - -
GAS LINE	- - - - -

SCALE:	1" = 32'
SITE ADDRESS:	42.325833, -83.068467
SITE NAME:	DETROIT CABINET
SHEET NAME:	SITE PLAN
SHEET NUMBER:	2



DIMENSIONS FOR CABINET

SEE SHEET 4
FOR DETAILS

NOTE: CONTRACTOR TO LOCATE/VERIFY
ALL UTILITIES IN THE CABINET AREA
BEFORE CONSTRUCTION CAN BEGIN

HEIGHT OF 5'-2.5"

DEPTH OF 8"
CONCRETE
AND 12"
DEPTH
GRAVEL BASE

DEPTH OF 3' BELOW GRADE
WITH 40" CONCRETE DEPTH
AND SURROUNDING THE
BOLLARD WITH CONCRETE
(SEE SHEET 5)

HEIGHT OF 4'-1"

DIMENSIONS FOR BOLLARDS

LEGEND

PROPERTY LINE

EDGE OF PAVEMENT

CENTERLINE

SEWER LINE

FIBER CONDUIT

ELECTRICAL CONDUIT

WATER LINE

GAS LINE

P/L

E.O.P

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STATE OF MICHIGAN
LEE W. WRIGHT
License No. 620106554
05/06/26
LICENSED PROFESSIONAL ENGINEER

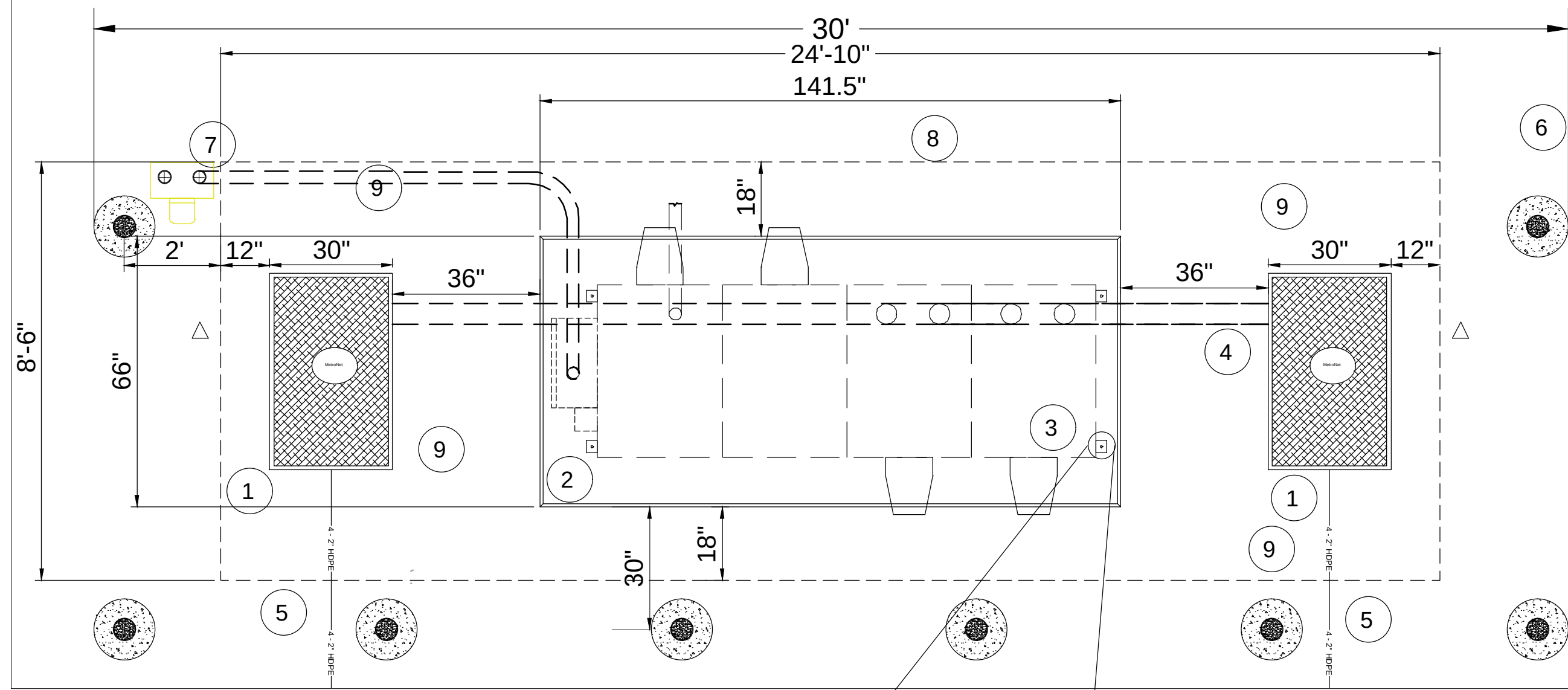
SCALE: 3" = 32'

SITE ADDRESS: 42.325833, -83.068467

SITE NAME: DETROIT CABINET

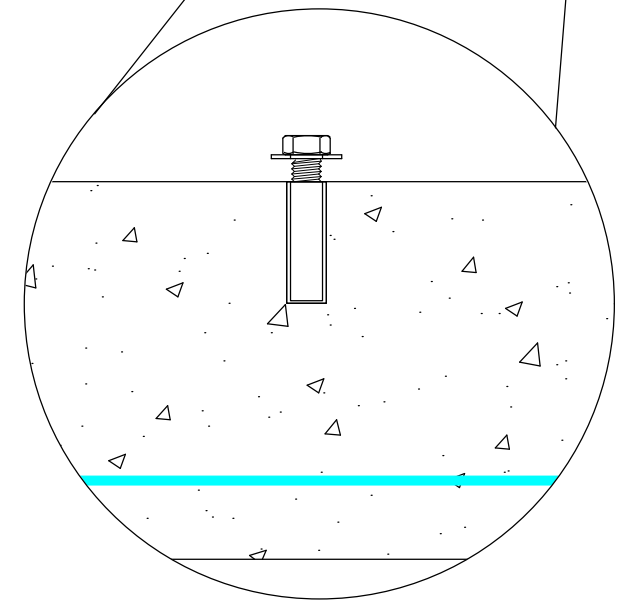
SHEET NAME: SITE PLAN

SHEET NUMBER: 3



NOTES:

1. 30"W X 48"L X 36"D Handhole
2. Cabinet Concrete Pad 141.5"L X 66"W
3. Cabinet Footprint 121"L X 42"W X 62.5"H
4. 4" SCH 40 PVC Conduit
5. 4 Ea. 2" HDPE Duct
6. Meter Pedestal (ELECTRICAL)
7. 2" SCH 40 PVC Elect. Conduit-UL Listed
8. Ground Field Extents
9. 6" ID DIA x 7'L Steel Pipe Bollard, Concrete Filled. (As Required, Site Specific)



CONCRETE FASTENING TYPICAL
1/2" STAINLESS STEEL DROP IN
ANCHOR - 1/2" NUT & FLAT WASHER

INSTALLATION NOTE:
DRILL AND INSTALL WEDGE ANCHORS
DURING PLACEMENT OF THE CABINET
ONTO THE PAD TO INSURE
PLACEMENT ACCURACY.



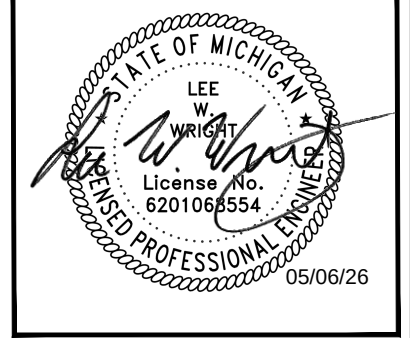
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CABINET
DETROIT, MI**

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SCALE:	NTS
SITE ADDRESS:	42.325833, -83.068467
SITE NAME:	DETROIT CABINET
SHEET NAME:	CABINET DETAILS
SHEET NUMBER:	3

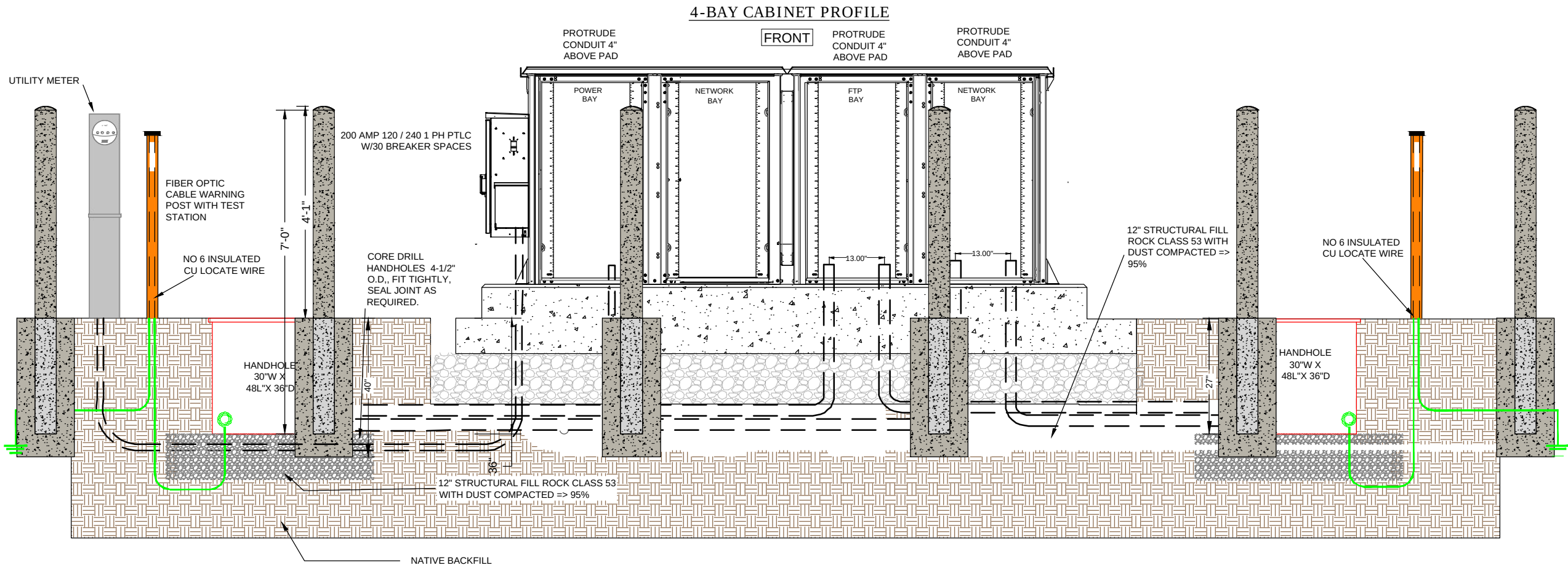
BOLLARDS - OPTIONAL AS SITE DICTATES
PIPE BOLLARD SPECIFICATIONS:

CARBON STEEL PIPE SHALL BE 6"ID DIA X 7'L, CONFORMING TO SCHEDULE 40 ASTM A 53 GRADES A AND B.

- 1. PIPE SHALL BE FILLED WITH A MIN 3,000 PSI CONCRETE. A DOMED CAP 1" HIGH SHALL BE HAND FORMED TO PROVIDE WATER RUNOFF. PIPE WILL BE 4' ABOVE GRAD AND 3' BELOW GRADE.
- 2. CONCRETE FOOTER SHALL BE A MIN 3,000 PSI CONCRETE, 40"D X 15" DIA.
- 3. PIPE SHALL BE PROVIDED FACTORY PAINTED WITH RUST INHIBITOR PRIMER FINISH. THE FINAL FINISH SHALL BE PAINTED YELLOW.

GENERAL NOTE:

- A.) A FINAL INSPECTION OF THE SITE CONFIRMING THE SITE IS RESTORED AND CLEANED UP SHALL BE COMPLETED BY THE PROJECT MANAGER PRIOR TO FINAL METRONET ACCEPTANCE OF THE WORK.



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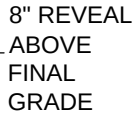
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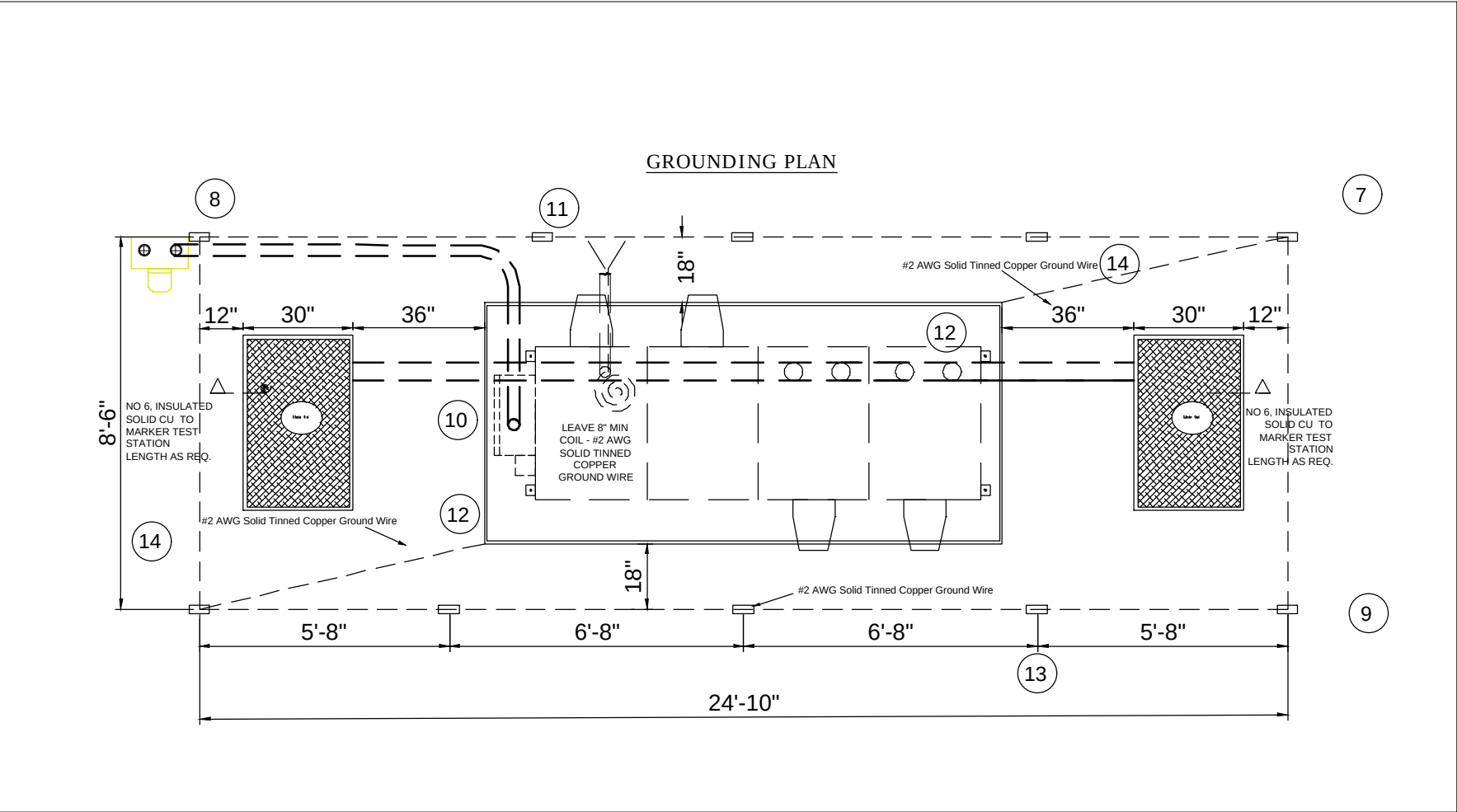
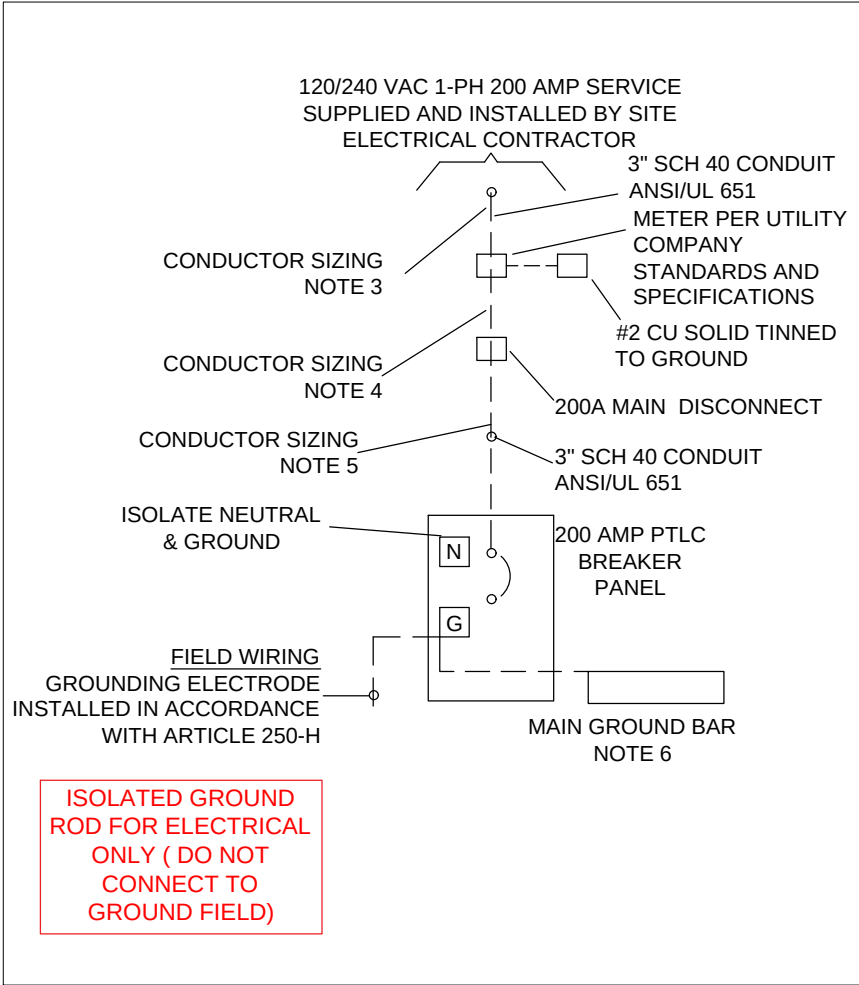
SITE NAME:
DETROIT CABINET

SHEET NAME:
CABINET DETAILS

SHEET NUMBER:
5



6



NOTES:

1. ----- DASHED LINES DENOTE FIELD WORK.
2. ISOLATE NEUTRAL & GROUND
3. FEEDER CONDUCTORS (2) 3/0 CU THHN AND (1) 2/0 CU THHN NEUTRAL IN ACCORDANCE WITH NEC (ARTICLE 215.2)
4. FEEDER CONDUCTORS (2) 3/0 CU THHN AND (1) 2/0 CU THHN NEUTRAL IN ACCORDANCE WITH NEC (ARTICLE 215.2).
5. FEEDER CONDUCTORS (2) 3/0 CU THHN, (1) 2/0 CU THHN NEUTRAL AND #4 CU THHN GROUND IN ACCORDANCE WITH NEC (ARTICLE 215.2)
6. #2 THHN BOND BETWEEN BREAKER GROUND AND MAIN GROUND BAR
7. ALL LUGS THAT HOLD MORE THAN ONE WIRE SHALL BE LISTED FOR MULTI-BARRELL CONNECTIONS.
8. ALL CONDUCTORS SHALL BE COPPER.

9. 120/240 VAC, 200AMP, SINGLE PHASE PEDESTAL COORDINATE INSTALLATION WITH LOCAL ELECTRIC UTILITY.
10. 3" SCHEDULE 40 CONDUIT, ANSI/UL 651. MEETING OR OR EXCEEDING THE REQUIREMENTS OF NEMA TC-2
11. COPPER CLAD STEEL GROUND RODS, 5/8" X 8', 10 EA.
12. INTERSECT 200 AMP 120/240 SINGLE PHASE POWER TRANSFER LOAD CENTER (PTLC)
13. ALL GROUND RING CONDUCTORS AND GROUND ROD CONNECTIONS SHALL BE EXOTHERMIC WELDED.
14. UFER GROUND-EXOTHERMIC WELD TO NO 4 REBAR, COORDINATE WITH CONCRETE CONTRACTOR.
15. GROUND RING CONDUCTORS AND TOP OF GROUND RODS SHALL BE BURIED A MINIMUM DEPTH OF 18".
16. HANDHOLE GROUND ROD ISOLATED FROM GROUND FIELD

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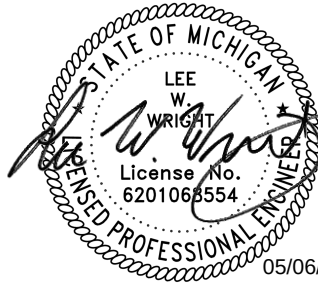
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SCALE:	NTS
SITE ADDRESS:	42.325833, -83.068467
SITE NAME:	DETROIT CABINET
SHEET NAME:	CABINET ELECTRICAL DETAILS/ GROUNDING PLAN
SHEET NUMBER:	7

SUBMITTALS		
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SCALE: NTS

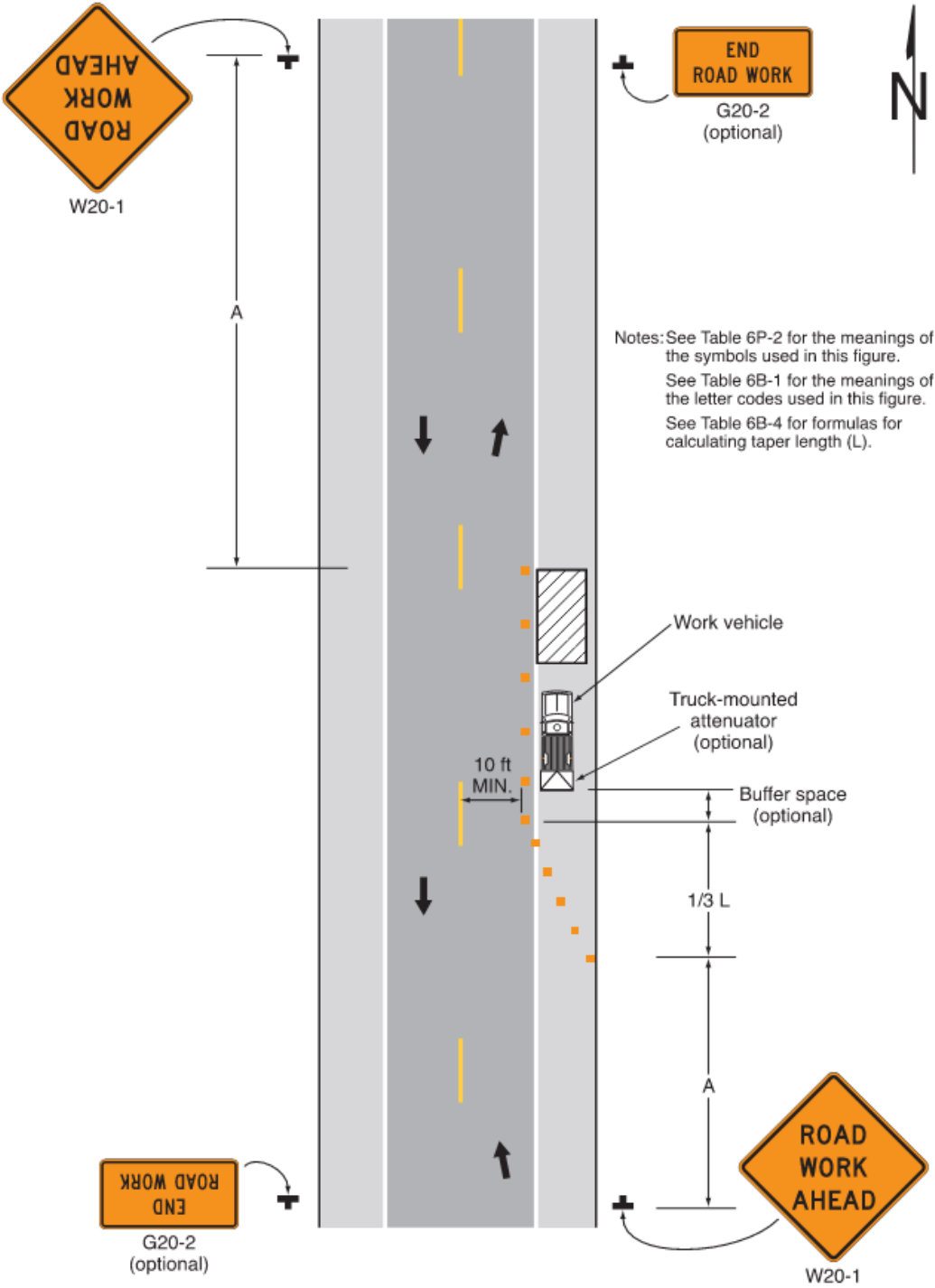
SITE ADDRESS: 42.325833, -83.068467

SITE NAME: DETROIT CABINET

SHEET NAME: TRAFFIC CONTROL PLANS

SHEET NUMBER: 8

Figure 6P-6. Shoulder Work with Minor Encroachment (TA-6)



Typical Application 6

Notes for Figure 6P-7—Typical Application 7
Road Closure with a Diversion

- Support:
1. Signs and object markers are shown for one direction of travel only.
- Standard:
2. Devices similar to those depicted shall be placed for the opposite direction of travel.
 3. Pavement markings no longer applicable to the traffic pattern of the roadway shall be removed or obliterated before any new traffic patterns are open to traffic.
 4. Temporary traffic barriers and end treatments shall be crashworthy.
- Guidance:
5. If the tangent distance along the temporary diversion is more than 600 feet, a Reverse Curve sign, left first, should be used instead of the Double Reverse Curve sign, and a second Reverse Curve sign, right first, should be placed in advance of the second reverse curve back to the original alignment.
 6. When the tangent section of the diversion is more than 600 feet, and the diversion has sharp curves with recommended speeds of 30 mph or less, Reverse Turn signs should be used.
 7. Where the temporary pavement and old pavement are different colors, the temporary pavement should start on the tangent of the existing pavement and end on the tangent of the existing pavement.
 8. Delineators or channelizing devices should be used along the diversion.
- Option:
9. Flashing warning lights and/or flags may be used to call attention to the warning signs.
 10. On sharp curves, large arrow signs may be used in addition to other advance warning signs.