

# 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.

# AVIANAT YOUR NETWOR

APPLICANT

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#### ARCHITECT/ENGINEER



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47059 Five Mile Road
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REVISIONS:						
2	3/2/23	REVISION	МП			
1	1/12/23	PERMITTING	МП			
#	DATE	DESCRIPTION	INT			

PROFESSIONAL STAMP

#### PROJECT NAME:

#### NC-MI-DTBUND-TMO DEYHOO6A

PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201

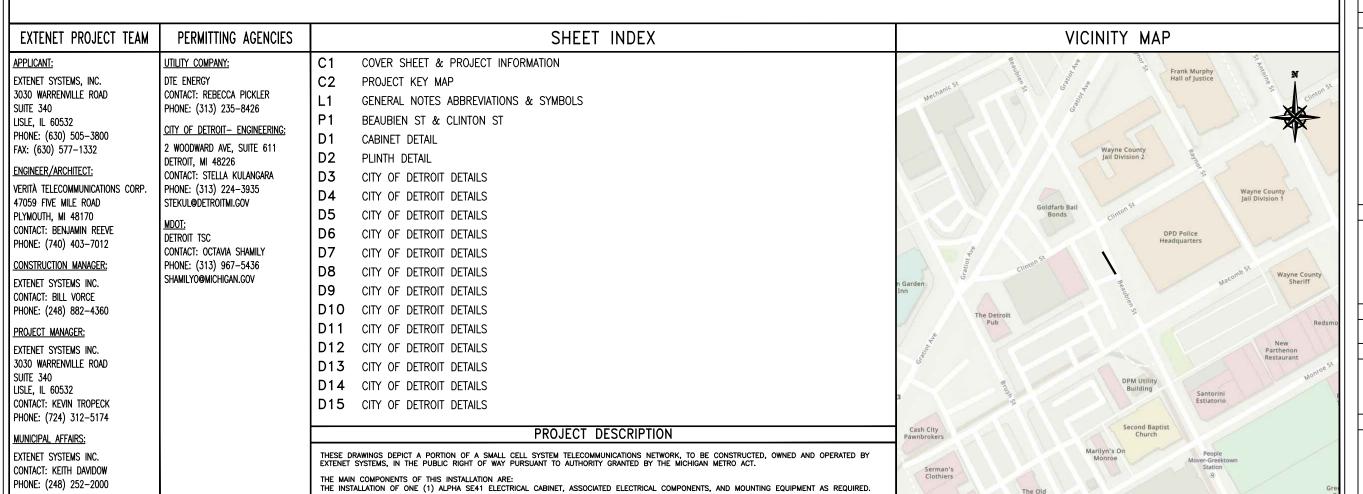
SHEET TITLE:

COVER SHEET & PROJECT INFORMATION

SHEET NUMBER:

C1

# NC-MI-DTBUND-TMO DEYHOO6A ALPHA CABINET-SE41 DETROIT, MI





#### 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 HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHMORK. IT DESTROYED, SOUTH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED AS DEFOUNDED BY THE PROPERSYMMAL HAND SURVEYORS ACTOR. REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT.

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.

4. 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 PROJECT WATER RESOURCE

THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, 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, INCLIDING THE SAFETY OF ALL PERSONS AND PROPERTIES. THAT THESE
REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND
CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND INDEMNITY AND HOLD EXTENET, REPRESENTATIVES,
AND ENGNEESS HARMLESS FROM MY AND ALL LUBBLITY, REAL OR ALLEGED IN CONNECTION WITH THE
PERSONALMENT OF THE WORK ON THIS PROJECT!

2. PRIOR TO THE BEGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK. THE CONTRACTOR SHALL FULLY COMPLY WITH "MICHIGAN OCCUPATIONAL SAFETY AND HEALTH" ACT OF 1973

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 CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY OR AGENCY FACILITIES WITHIN THE LIMITS OF WORK, WHETHER THEY ARE SHOWN ON THIS PLAN OR NOT.

5. 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

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 DEWATIONS 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

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 HORZOWITAL AND VERTICALLY, PRIOR TO CONSTRUCTION, IF EXISTING LOCATIONS WARY SUBSTANTIALLY FROM THE PLANS. THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES

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 INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WATER QUALITY TECHNICAL REPORT (WQTR), 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 FOE SLOPES. THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUME B DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00° REBEBOARD ENSUS AND IS MAINTAINED ABOVE THE TOP OF THE MILET. IF FREEDOARD IS NOT PROVIDED BY 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

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, THE EROSION/SEDIMENT CONTROL MEASURE AND OTHER RELATED CONSTRUCTION ACTIVITIES.

#### **ABBREVIATIONS**

AL ALY ALY AGL  AMSL  APVD  APPROX AR, A/R  BAT  BLDG  BRKT  CAB  CONC  CND  DN  (E)  EA  EMBED  EMBED  EMER  EMBED  EMER  EMER  EMPL  EMP	ALUMINUM ALLOY ANTENNA ABOVE GROUND LEVEL ABOVE MEAN SEA LEVEL APPROVED APPROXIMATE AS REQUIRED BATTERY BOLT CIRCLE BUILDING BRACKET CABINET CONCRETE CONDUIT DOWN EXISTING EACH ELEVATION EMBEDMENT EMERGENCY ENCLOSURE EDGE OF PAVEMENT EQUIAL SPACE HEIGHT	(F) FLR FLR FSTNR GA GEND ID MATIL MFR MTD MTR MAX MIN NS NTC OD PL VWD PL PNI POSN	FUTURE FLOOR FLOOR FACE OF CURB FOOT FARSIDE FASTENER GALVANIZED GAUGE GENERATOR GROUND/GROUNDING INSIDE DIAMETER MANUFACTURER MOUNTED MOUNTING METER MAXIMUM MINIMUM NEW NEARSIDE NOT TO SCALE ON CENTER OUTSIDE DIAMETER PROPOSED PLYWOOD PLACES PANEL PART OF POSITION	PRELIM PWR QTY R RAD RC RCVR RELOC REQU SH SSS STD STRL SQ STHD THK TNND TYP UBC W/O XMFR XMTR	PRELIMINARY POWER QUANTITY RADIUS RADIATION RAD CENTER RECEIVER RECCATED REQUIRED RIGHT OF WAY SHEET SUPPLY STAINLESS STL STAINLESS STL STAINLESS STL STAINLESS STL STAINLESS STL STAINLESS THE STRUCTURAL SQUARE SWITCH THREAD THICK TINNED TYPICAL UNIFORM BUILDING CODE WITH WITHOUT TRANSFORMER TRANSFORMER
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## 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

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).

# 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 REQUILATIONS.

CALL 811 72 HOURS PRIOR TO EXCAVATING AT (800) 482-7171.
ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR

6. ALL FOUIPMENT 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

#6 GROUND AND BOND WIRE. MOLDING, STAPLED EVERY 1' AND AT EACH END

5. GROUND RODS 3' FROM POLE.

FOR UNDERGROUND USE SCHEDULE 40. FOR RISERS USE SCHEDULE 80.

PLACE 2" SDR-11 RED CONDUIT FOR UG POWER APPLICATIONS. RISERS TO BE ATTACHED TO POLE WITH STANDARD U-CLAMPS AND LAG SCREWS.

5. RISER U-CLAMPS TO BE INSTALLED EVERY 5'.
6. CONDUIT UNDER 1" MAY BE ATTACHED WITH GROUND WIRE MOLDING

STAPLES.

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

MAINTAIN 40" MINIMUM COVER FOR ELECTRICAL CONDUIT.
MAINTAIN 40" MINIMUM COVER FOR COMMUNICATIONS CONDUIT.
IN STREET SLURRY TO GRADE AND MILL DOWN 1-1/2" FOR AC CAP.

IN DIRT SLURRY 18" FROM GRADE, AND FILL WITH 95% COMPACTION NATIVE SOIL FOR BALANCE.

PLACE WARNING TAPE IN TRENCH 12" ABOVE ALL CONDUITS AND #18 WARNING TAPE ABOVE GROUND RING.

#### ROW UTILITY POLE CONSTRUCTION NOTES:

1. NO BOLT THREADS TO PROTRUDE MORE THAN

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

CABLES MUST ON MITTED S 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

6. USE CABLE CLAMPS TO SECURE CABLE TO OSE CABLE TO CARRIER CABLE ID TAGS ON BOTH SIDES OF ARMS.

USE 90° CONNECTOR AT CABLE CONNECTION TO ANTENNAS.

ANTENNAS.

8. USE 1/2" CABLE ON ANTENNAS UNLESS OTHERWISE SPECIFIED.

CAPIES AT CONDUIT

9. FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER

— ∨ — (E) UG WATER --- R --- (E) UG STORM ---- s ---- (E) UG SANITARY ---- TV ----- (E) UG CABLE TV T (E) UG TELEPHONE — FII —— (E) UG FIBER OPTIC E — (E) UG POWER

GAS - (E) UG GAS

— □IL —— (E) UG PETROLEUM

PVR (E) OVERHEAD POWER —— □H —— (E) OVERHEAD COMM. — (E) BUILDING

— — — — (E) WATER BODY ——— (E) WASH/WETLAND — — — (E) CULVERT

→ (E) FENCE --- (E) BLOCK WALL —ıı—−ıı— (E) GUARDRAIL — (E) ROAD EDGE/CURB

ELECTRIC SIGN BIKE RACK TRASHCAN ---- (E) LIP OF GUTTER POST/MARKER ---- (E) DIRT ROAD UNKNOWN MANHOLE — (E) DRIVEWAY UV UNKNOWN VAULT - - - (E) SIDEWALK E FIBER VAULT

TELEPHONE LARGE PED (E) LANE STRIPE T TELEPHONE SMALL PED (P) AERIAL NEW BUILD CATV HAND HOLE — OL — (P) AERIAL OVERLASH — DB — (P) DIRECTIONAL BORE □ CATV LARGE PED --- TR ---- (P) OPEN TRENCH CABLE SMALL PED SANITARY SEWER MANHOLE (P) STATIONING STORM SEWER MANHOLE (P) VAULT STORM CATCH BASIN (P) BORE PIT WATER BLOW OFF WATER VALVE WATER CURB BOX WATER GATE AND VALVE WATER MANHOLE

FIBER PED

TELEPHONE MANHOLE

TELEPHONE VAULT

DECIDUOUS TREE CONIFEROUS TREE FIRE HYDRANT WATER VAULT BACKFLOW VALVE

 $\odot$ AIR RELIEF VALVE WATER WELL MONITOR PLUG & CAP

PRESSURE REDUCING VALVE NON-POTABLE VALVE NON-POTABLE MANHOLE CATHOIDIC PROT. TEST

JUNCTION BOX PULL BOX

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

454 LARGE POWER PED (**0**) POWER MANHOLE EC ELECTRIC CABINET 0 CROSS WALK POLE

LIGHT POLE SMALL LIGHT POLE LARGE CONTRACT CO

POWER POLE

TRANSFORMER POLE

JOINT POLE W/ TRANSFORMER

TELEPHONE POLE CATV POLE

METAL POLE

CONCRETE POLE MIDSPAN CROSSING TRAFFIC SIGNAL

POWER METER

TRAFFIC SIGNAL POLE GAS VALVE

> GAS MANHOLE NORTH ARROW (P) FIBER

SCALE 3

(P) FIBER COUNT (P) FIBER SPLICE  $\triangleright \triangleleft$ MS (P) FIBER MIDSHEATH

> (P) NODE (P) HUB

(P) STORAGE LOOP

SCALE

NTS

ARCHITECT/ENGINEER

Lisle, IL 60532

www.extenet.com



APPLICANT

neī

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YOUR NETWORK

Verità Telecommunications Corporation Plymouth, MI 48170

**REVISIONS:** 3/2/23 REVISION 1/12/23 PERMITTING INT. DESCRIPTION

PROFESSIONAL STAMP

PROJECT NAME:

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

PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201 SHEET TITLE:

GENERAL NOTES **ABBREVIATIONS** 

& SYMBOLS SHEET NUMBER:

ROW CONSTRUCTION GENERAL NOTES

LEGEND & SYMBOLS

— – – (E) BOUNDARY LINE

— – – (E) PROPERTY LINE

\_ \_ \_ \_ (E) RIGHT OF WAY

— PL — (P) PLOW

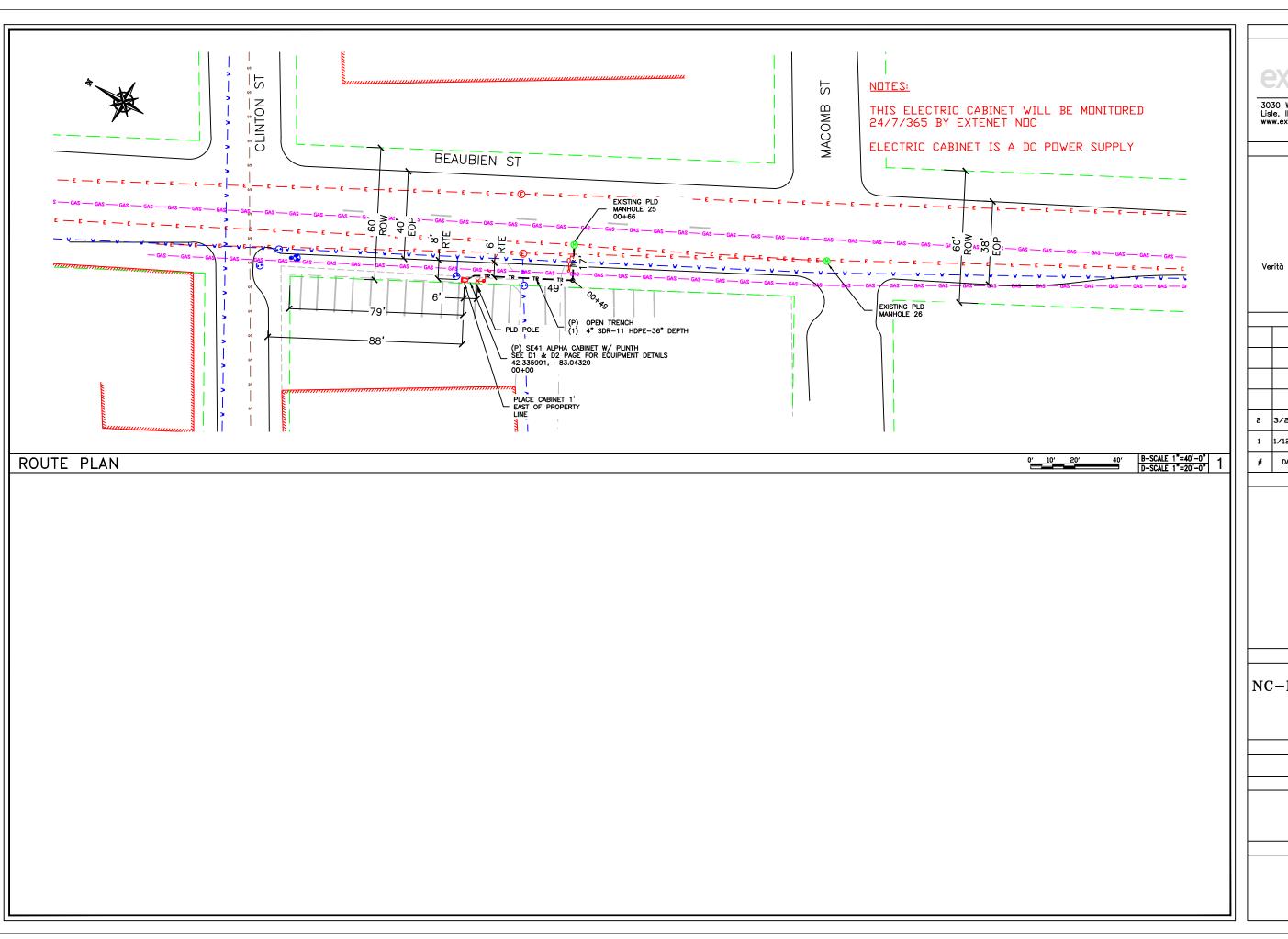
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ARCHITECT/ENGINEER



TELECOMPRINATIONS CORPORATION
Verità Telecommunications Corporation
47059 Five Mile Road
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PROJECT LOCATION:

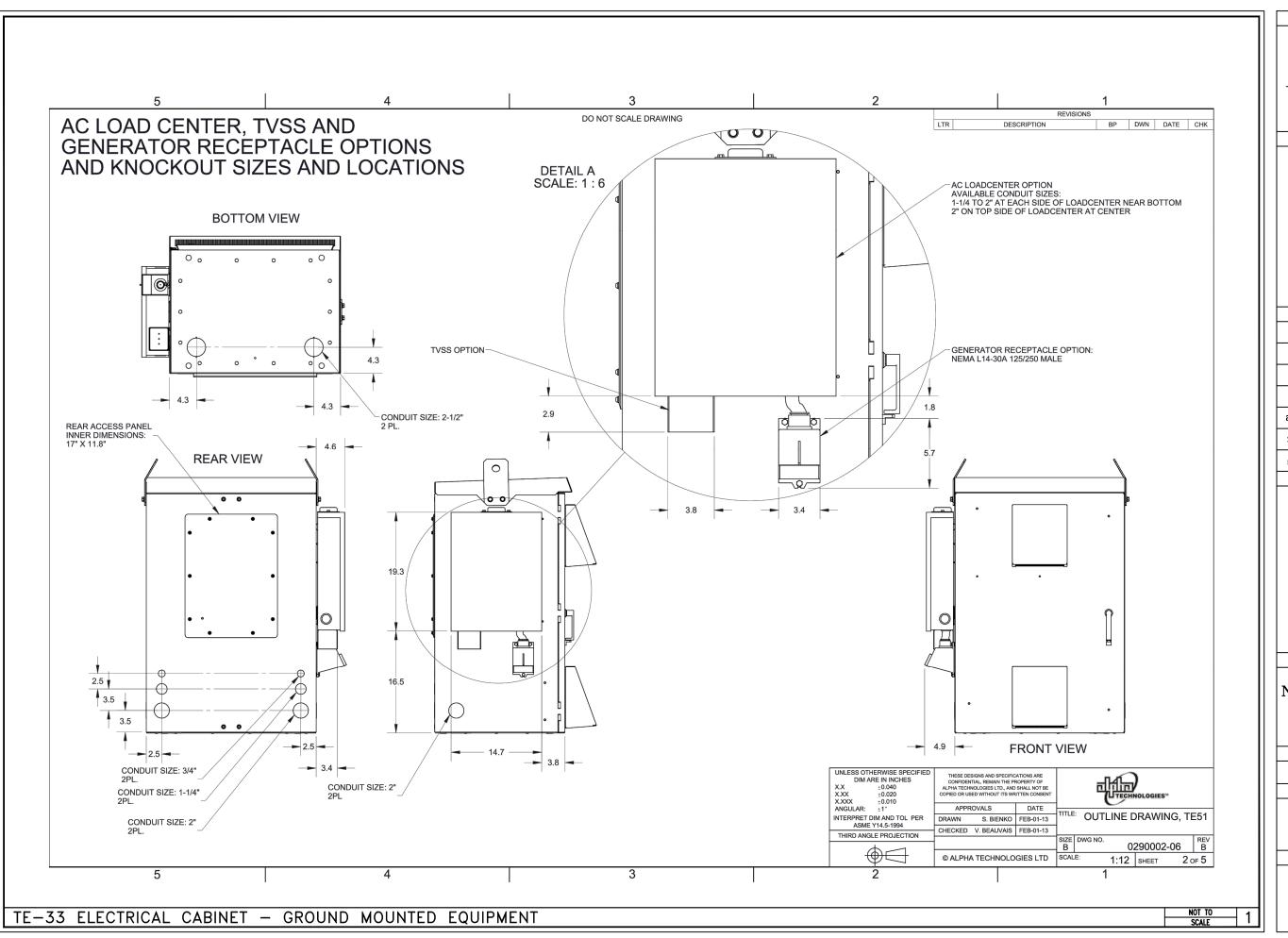
20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

ROUTE PLAN BEAUBIEN ST & CLINTON ST

SHEET NUMBER:

**P1** 







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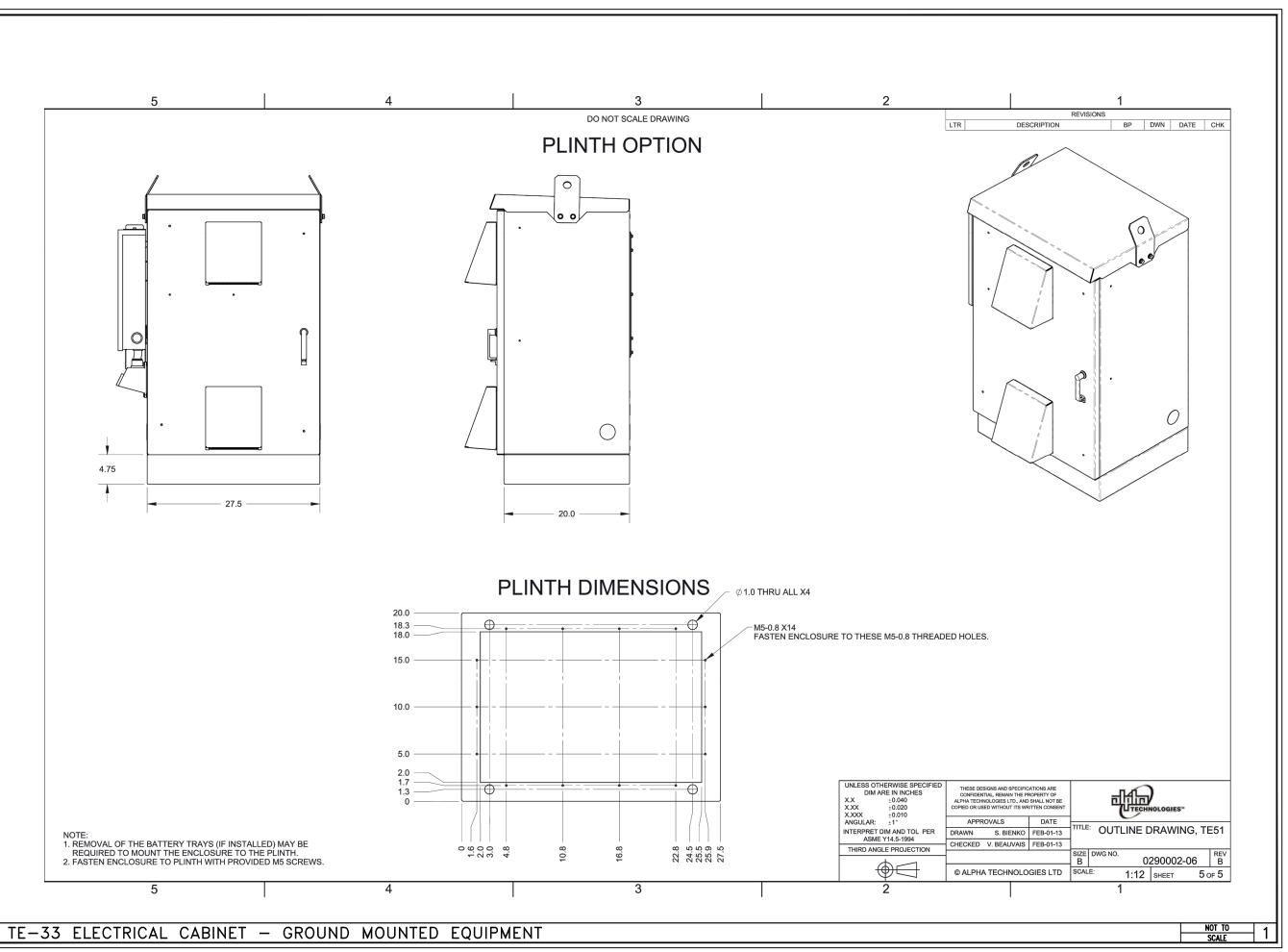
PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

ROUTE PLAN E MONTCALM ST & BRUSH ST

SHEET NUMBER:







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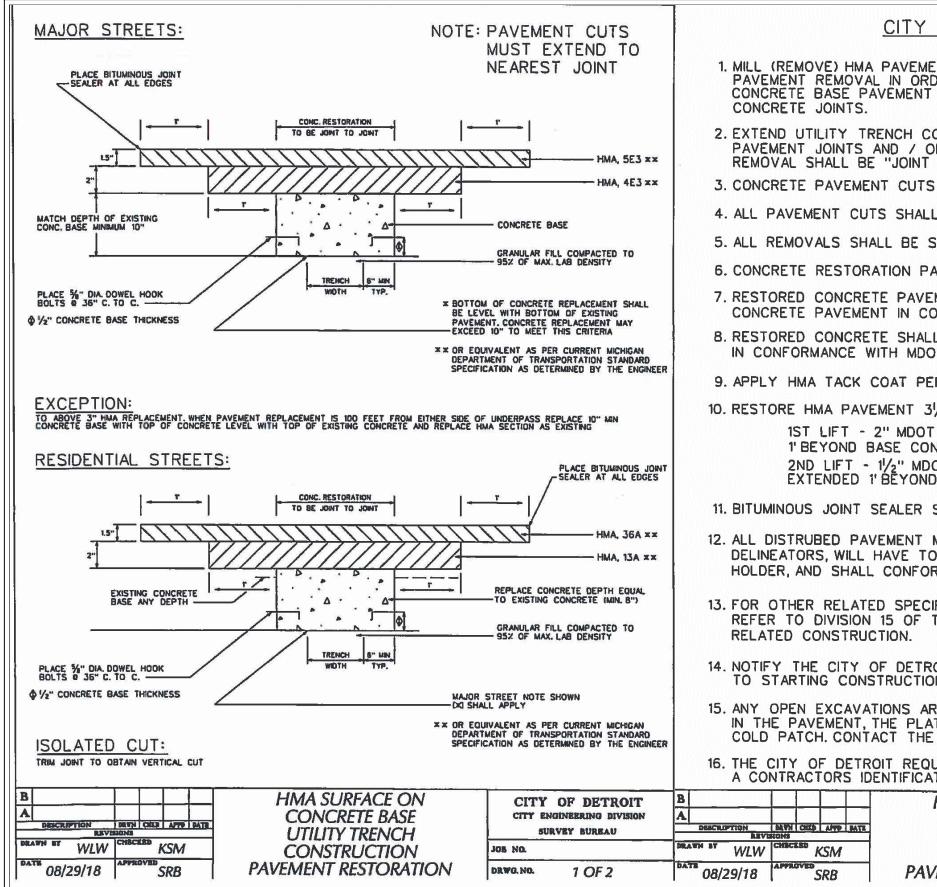
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SHEET NUMBER:



# CITY OF DETROIT NOTES

- 1. 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
- 2. 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".
- 3. CONCRETE PAVEMENT CUTS SHALL BE MINIMUM 3' WIDE.
- 4. ALL PAVEMENT CUTS SHALL BE MINIMUM 1' WIDER THAN TRENCH WIDTH.
- 5. ALL REMOVALS SHALL BE SAWCUT STRAIGHT AND SQUARE (90 DEGREES).
- 6. CONCRETE RESTORATION PAVEMENT SHALL BE MOOT P1 MIX (3,500 PSI).
- 7. RESTORED CONCRETE PAVEMENT SHALL MATCH THICKNESS OF EXISTING CONCRETE PAVEMENT IN CONFORMANCE WITH MDOT STANDARDS DETAIL R-44-F.
- 8. RESTORED CONCRETE SHALL BE ANCHORED TO EXISTING CONCRETE PAVEMENT IN CONFORMANCE WITH MDOT STANDARD DETAIL R-44-F
- 9. APPLY HMA TACK COAT PER MDOT STANDARD SPECIFICATIONS SECTION 904.
- 10. RESTORE HMA PAVEMENT 31/2" TO MATCH EXISTING, IN 2 LIFTS: 1ST LIFT - 2" MDOT HMA 4E3 (13A RESIDENTIAL), COMPACTED, EXTENDED 1' BEYOND BASE CONCRETE REPAIR.

2ND LIFT - 1/2" MDOT HMA 5E3 (36A RESIDENTIAL), COMPACTED, EXTENDED 1' BEYOND 1ST LIFT ...

- 11. BITUMINOUS JOINT SEALER SHALL BE PLACED AT ALL FINISHED HMA JOINTS.
- 12. ALL DISTRUBED 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.
- 13. FOR OTHER RELATED SPECIFICATIONS (BACKFILL COMPACTION, MATERIALS, ETC ... ), REFER TO DIVISION 15 OF THE STANDARD SPECIFICATIONS FOR PAVING AND
- 14. NOTIFY THE CITY OF DETROIT ENGINEERING DEPARTMENT 24 HOURS PRIOR TO STARTING CONSTRUCTION.
- 15. 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.
- 16. THE CITY OF DETROIT REQUIRES ALL CONCRETE WORK TO BE STAMPED WITH A CONTRACTORS IDENTIFICATION STAMP.



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> > SHEET TITLE:

CITY OF **DETROIT DETAILS** 

#### PERMANENT (SPRINGTIME) RESTORATION CORE BORE & SAW CUT NOTES:

#### PERMANENT (SPRINGTIME) RESTORATION FOR GRASS:

-2" TOPSOIL, GRASS SEED, & STRAW

#### PERMANENT (SPRINGTIME) RESTORATION FOR PAVEMENT:

- -EXCAVATED LODSE MATERIAL REMOVED FROM SITE VIA HYDROVAC
- -CONCRETE RESTORATION PAVEMENT SHALL BE MDOT P1 MIX (3,500 PSI)
- -RESTORED CONCRETE PAVEMENT SHALL MATCH THICKNESS OF EXISTING CONCRETE PAVEMENT IN CONFORMANCE WITH MOOT 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 MOOT STANDARD SPECIFICATIONS SECTION 904
- -RESTORE HMA PAVEMENT 3.5" TO MATCH EXISTING, IN 2 LIFTS:
- 1ST LIFT-2" MDOT HMA 4E3 (13A RESIDENTIAL), COMPACTED, EXTENDED 1' BEYOND BASE
- 2ND LIFT-1.5" 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
- -2" LEVELING COURSE 4E3 HMA AND 1.5" WEARING COURSE OF 5E3 HMA

#### PERMANENT (SPRINGTIME) RESTORATION FOR SIDEWALK:

- -ANY HANDICAP RAMP ENCROACHMENT WILL BE REPLACED TO MEET CURRENT ADA STANDARDS IMMEDIATELY FOLLOWING SITE DISRUPTION
- -FULL CONCRETE RESTORATION IN ACCORDANCE WITH CITY STANDARDS

#### PERMANENT (SPRINGTIME) RESTORATION OPEN TRENCH NOTES:

#### PERMANENT (SPRINGTIME) RESTORATION FOR GRASS:

-2" TOPSOIL, GRASS SEED, & STRAW

#### PERMANENT (SPRINGTIME) RESTORATION FOR PAVEMENT:

-2" LEVELING COURSE 4E3 HMA AND 1.5" WEARING COURSE OF 5E3 HMA

#### PERMANENT (SPRINGTIME) RESTORATION FOR BRICK PAVERS

- -CONSULT CERTIFIED BRICK PAVING CONTRACTOR APPROVED BY CITY
- -RESURFACE BRICK PAVERS TO ORIGINAL CONDITION OR BETTER

#### STEEL PLATE NOTES:

#### **DPEN TRENCHING DPERATIONS:**

- -PLATES SHALL BE USED TO RETAIN TRAFFIC FLOW IN WORK AREA
- -PLATES SHALL ADEQUATELY COVER 36" MINIMUM TRENCH WIDTH
- -PLATES SHALL REMAIN ON WORKSITE FOR 24 HOURS MAXIMUM
- -PLATES SHALL BE SECURELY ANCHORED AND EXTEND A MINIMUM 15" BEYOND THE EDGES OF THE TRENCH
- -PLATES SHALL HAVE A NON-SKID SURFACE IF ACROSS OR IN THE CROSSWALK
- -FOR MAJOR STREETS, PLATES SHALL BE RECESSED TO BE FLUSH WITH THE PAVEMENT
- -FOR RESIDENTIAL STREETS, PLATES SHALL BE WEDGED WITH COLD PATH TO PROVIDE A SMOOTH TRANSITION
- -ANY ROAD DISRUPTION THAT CANNOT BE IMMEDIATELY RESURFACED SHALL BE COVERED BY STEEL PLATES DVERNIGHT
- -OWNER OF THE PLATES SHALL BE CLEARLY MARKED ON THE PLATE

\_\_\_\_\_\_

#### BORE PIT & VAULT NOTES:

- -STANDARD BORE PIT DIMENSION IS 2'X3'X2' (SEE D1 "TYPICAL" DETAIL)
- -ANY PIT NEEDING A LARGER AREA MAY BE STEPPED DOWN TO MAINTAIN EARTHEN INTEGRITY (SHORING METHOD)
- -ALL VAULT LOCATIONS BEGIN THEIR LIFECYCLE AS A BORE PIT
- -ANY BORE PIT NEEDING TO REMAIN OPEN OVERNIGHT SHALL BE COVERED IN PLYWOOD AND SECTIONED OFF VIA SNOW FENCE & STAKING

#### TEMPORARY (WINTER) RESTORATION CORE BORE & SAW CUT NOTES:

#### TEMPORARY (WINTER) RESTORATION FOR GRASS:

-REFILL EXCAVATED AREA, COMPACTED TO ROUGH GRADE

#### TEMPORARY (WINTER) RESTORATION FOR PAVEMENT:

- -LANE DISRUPTION SEE "STEEL PLATE & OPEN BORE PIT NOTES"
- -HMA SHALL NOT BE APPLIED FOR TEMPORARY (WINTER) RESTORATION
- -CONCRETE SHALL BE PLACED 1.5" FROM THE FINISHED GRADE:
- -VISQUEEN LAYER SHALL BE APPLIED ON TOP OF THIS AND THEN FILLED WITH CONCRETE
- -THE 1.5" CONCRETE SHALL BE REMOVED AND REPLACED WITH THE WEARING COURSE IN THE SPRING.
- -TEMPORARY PAVEMENT MARKINGS MADE IN WINTER SHALL BE APPLIED AND REPLACED WEATHER PERMITTING

#### TEMPORARY (WINTER) RESTORATION FOR SIDEWALK:

- -SINGLE SIDEWALK SLAB (5'X5' DR 6'X6' TYP) REMOVAL AREA PREFERRED VS CORE BORE
- -REFILL WITH CLASS II COMPACTED SAND & 21AA GRAVEL
- -COLD PATCH TEMPORARY SURFACE FILL

#### TEMPORARY (WINTER) RESTORATION OPEN TRENCH NOTES:

#### TEMPORARY (WINTER) RESTORATION FOR GRASS:

- -REFILL EXCAVATED AREA, COMPACTED TO ROUGH GRADE
- -SOIL MOUNDED IN EXCESS WHERE PERMISSIBLE

#### TEMPORARY (WINTER) RESTORATION FOR PAVEMENT:

- -SEE "STEEL PLATE & OPEN BORE PIT NOTES"
- -SEE ABOVE "CORE BORE & SAW CUT NOTES"

#### TEMPORARY (WINTER) RESTORATION FOR BRICK PAVERS

- -BRICKS SHALL BE REMOVED AND PRESERVED WHERE POSSIBLE
- -BACKFILL TRENCH AREA WITH 6" CLASS II COMPACTED SAND & 4" 21AA GRAVEL
- -RESURFACE WITH 4" (MINIMUM) COLD PATCH

ALL TEMPORARY (WINTER) RESTORATION SHALL BE COMPLETED WITHIN 48 HOURS OF WORK

\*\*ALL PAVEMENT MARKINGS AND BIKE LANES SHALL BE RESTORED IN ACCORDANCE TO CITY STANDARDS

\*\*ALL EXISTING BIKE LANE DELINEATORS WILL BE PROTECTED OR REMOVED, SALVAGED AND REINSTALLED, ANY DAMAGE BY DUR WORK WILL BE REPLACED WITH THE NEW IN ACCORDANCE WITH THE CITY'S STANDARD.

\*\*ALL ADA AND TACTILE SURFACES WILL BE RESTORED IN ACCORDANCE WITH THE CITY'S STANDARD R-28-1

#### **APPLICANT**



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#### ARCHITECT/ENGINEER



Verità Telecommunications Corporation 47059 Five Mile Road Plymouth, MI 48170

# **REVISIONS:** 3/2/23 REVISION 1/12/23 PERMITTING DATE DESCRIPTION

PROFESSIONAL STAMP

PROJECT NAME:

NC-MI-DTBUND-TMO NC-MI-DTBUND-TMODEYH006A

PROJECT LOCATION:

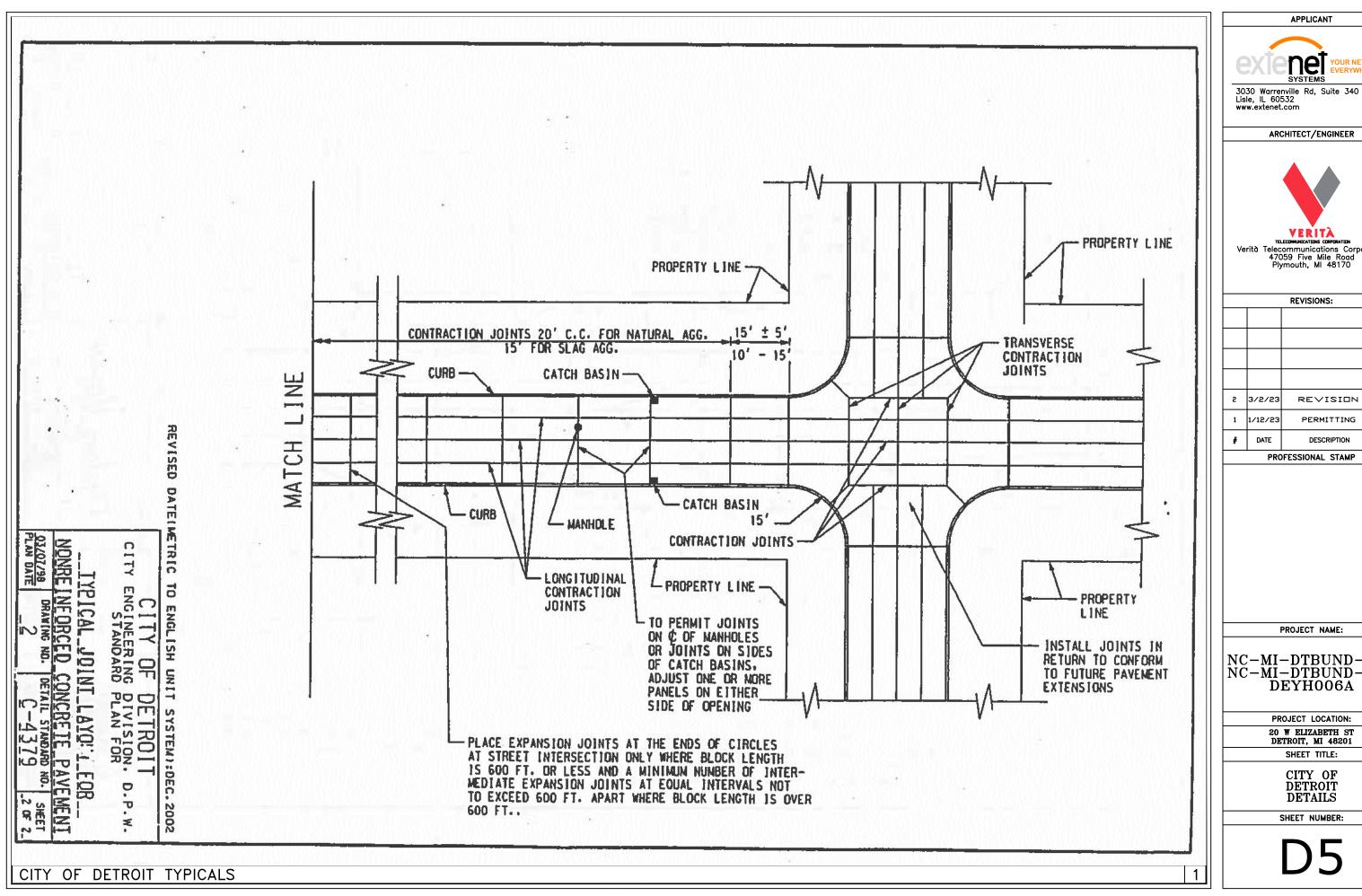
20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

CITY OF **DETROIT** DETAILS

SHEET NUMBER:

TEMPORARY/PERMANENT RESTORATION, STEEL PLATE, & BORE PIT NOTES

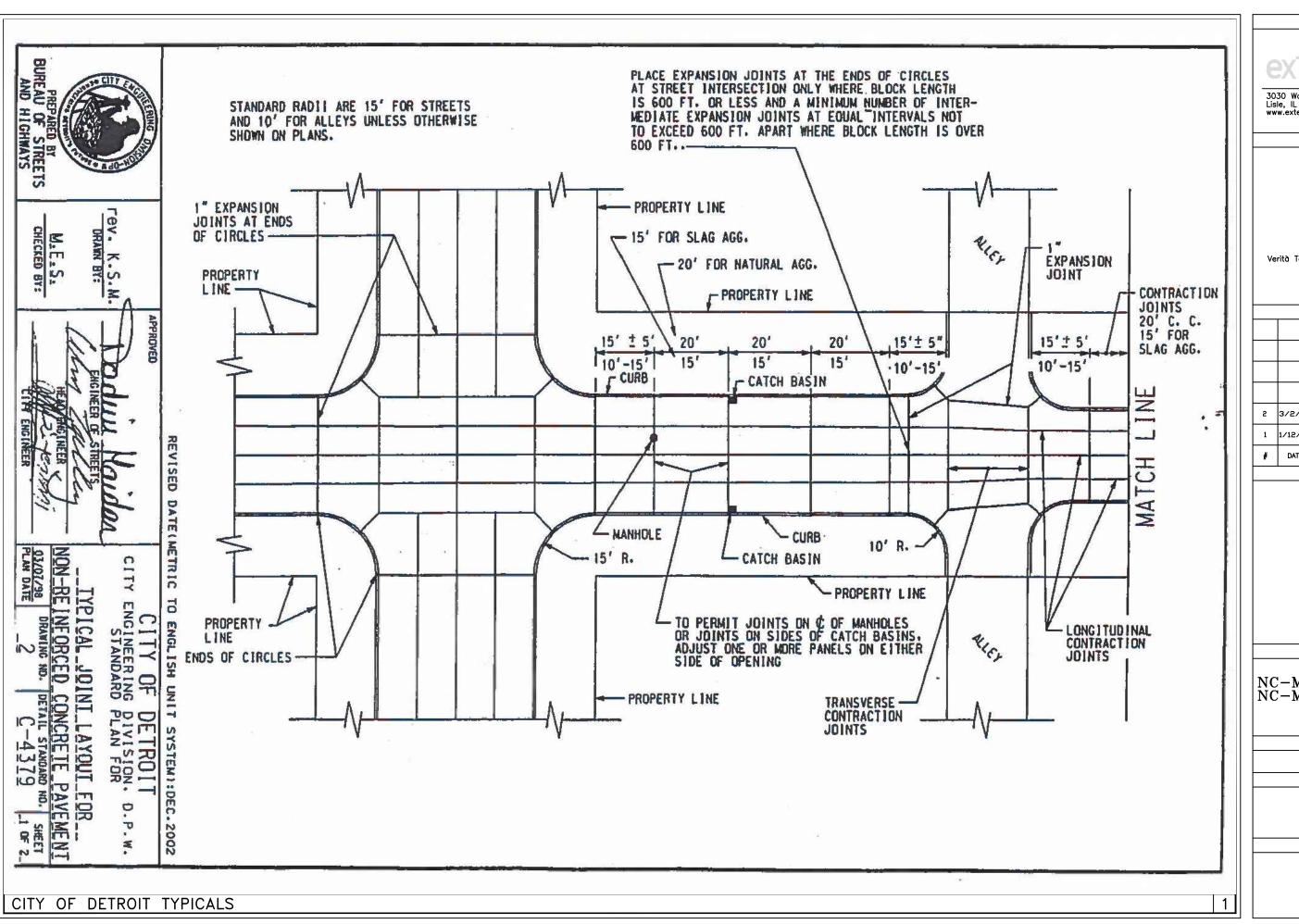




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Telecommunications Corporation
47059 Five Mile Road
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PROFESSIONAL STAMP

PROJECT NAME:

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

PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

CITY OF DETROIT DETAILS

SHEET NUMBER:

#### POTHOLE EXCAVATION & RESTORATION (SOIL):

- -EXPOSE 12" AROUND UTILITY USING STANDARD EXCAVATION OR HYDRO VAC
- -BACKFILL POTHOLE WITH EXCAVATED SOIL & COMPACT
- -IF HYDRO VAC USED INSTEAD, BACKFILL POTHOLE WITH CLASS II SAND & COMPACT

#### POTHOLE EXCAVATION & RESTORATION (ROAD/PAVEMENT):

- -CORE BORE TO UTILITY DEPTH
- -BORE DIAMETER VARIABLE FOR UTILITY SIZE: 6, 8", OR 10"
- -HYDRO VAC SPOILS TO EXPOSE UTILITY
- -BACKFILL POTHOLE WITH COLD OR HOT PATCH (BASED ON CITY STANDARDS)

#### POTHOLE EXCAVATION & RESTORATION (SIDEWALK):

- -ISDLATE & REMOVE SIDEWALK PANEL/SEGMENT OVER UTILITY
- -PERFORM TYPICAL EXCAVATION & RESTORATION FOR SOIL AS DETAILED
- -REPLACE SIDEWALK JOINT-TO-JOINT

#### PERMANENT RESTURATION FOR GRASS:

-2" TOPSOIL, GRASS SEED, & STRAW

\_\_\_\_\_\_

\*\*ALL PAVEMENT MARKINGS AND BIKE LANES SHALL BE RESTORED IN ACCORDANCE TO CITY STANDARDS

\*\*ALL EXISTING BIKE LANE DELINEATORS WILL BE PROTECTED OR REMOVED, SALVAGED AND REINSTALLED. ANY DAMAGE BY OUR WORK WILL BE REPLACED WITH THE NEW IN ACCORDANCE WITH THE CITY'S STANDARD.

\*\*ALL ADA AND TACTILE SURFACES WILL BE RESTORED IN ACCORDANCE WITH THE CITY'S STANDARD R-28-1

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PROJECT LOCATION:

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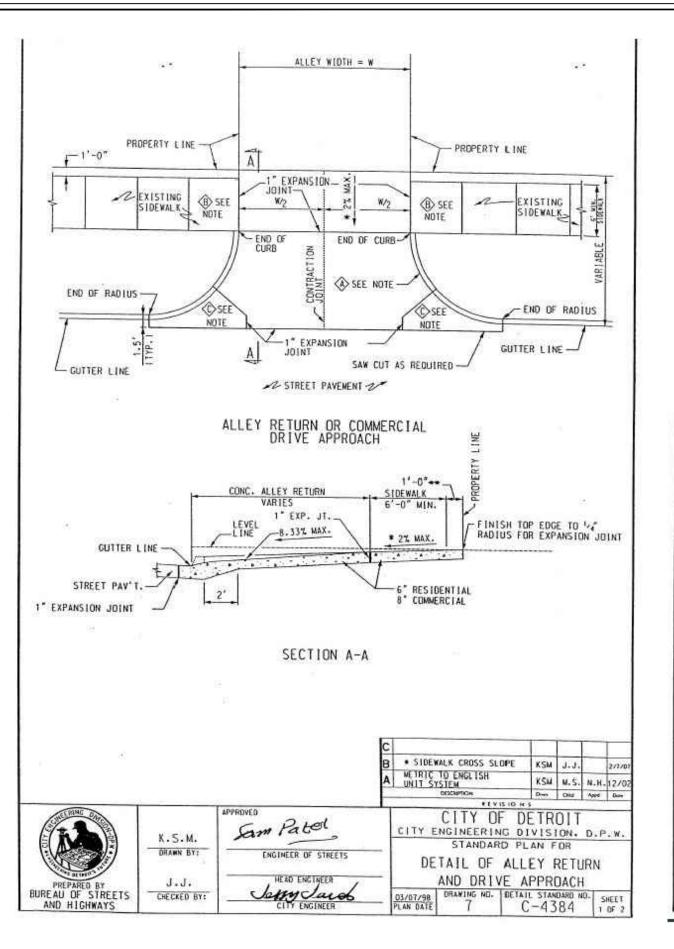
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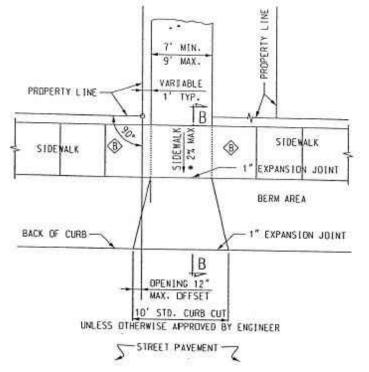
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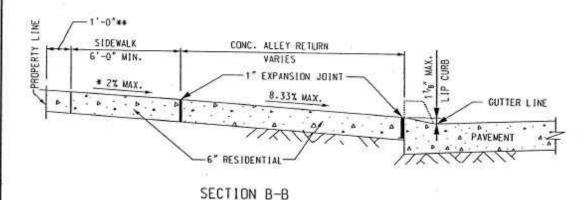
**D7** 

UTILITY EXPOSURE/POTHOLE TYPICAL EXCAVATION & RESTORATION DETAILS





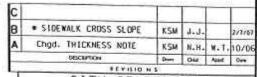
DETAIL OF CURB CUT OPENINGS FOR RESIDENTIAL DRIVEWAY



NOTES:

IF ALLEY IS PAYED. CONSTRUCT RETURN WITH 1" EXPANSION JOINT ON PROPERTY LINE.

- RADIUS TO BE 10' UNLESS OTHERWISE SHOWN ON PAVING PLAN.
- SIDEWALK FLAGS ABUTTING ALLEY SHALL BE 6" THICK. SIDEWALK SHALL BE REPLACED FOR A SMOOTH TRANSITION AND TO ATTAIN A CROSS SLOPE OF 2% MAX. OR AS DIRECTED BY THE ENGINEER.
- C KEY JOINT OR "B" JOINT IF REINFORCED PAVEMENT. ALL DIMENSIONS ARE IN INCHES(\*) UNLESS OTHERWISE MOTED.
- SIDEWALK CROSS SLOPE SHALL BE 2% MAX. OR AS DIRECTED BY THE ENGINEER.
- \*\* THE SLOPE OF THE DRIVEWAY IN THE 1 FT. SPACE ADJACENT TO THE PROPERTY LINE MAY BE ALTERED UP TO 10% TO MEET EXISTING CONDITIONS.



CITY OF DETROIT CITY ENGINEERING DIVISION. D.P.W. STANDARD PLAN FOR

DETAIL OF ALLEY RETURN AND DRIVE APPROACH

7 C-4384 SHEET

REVISED DATE (METRIC TO ENGLISH UNIT SYSTEM): DEC. 2002

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PROFESSIONAL STAMP

PROJECT NAME:

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

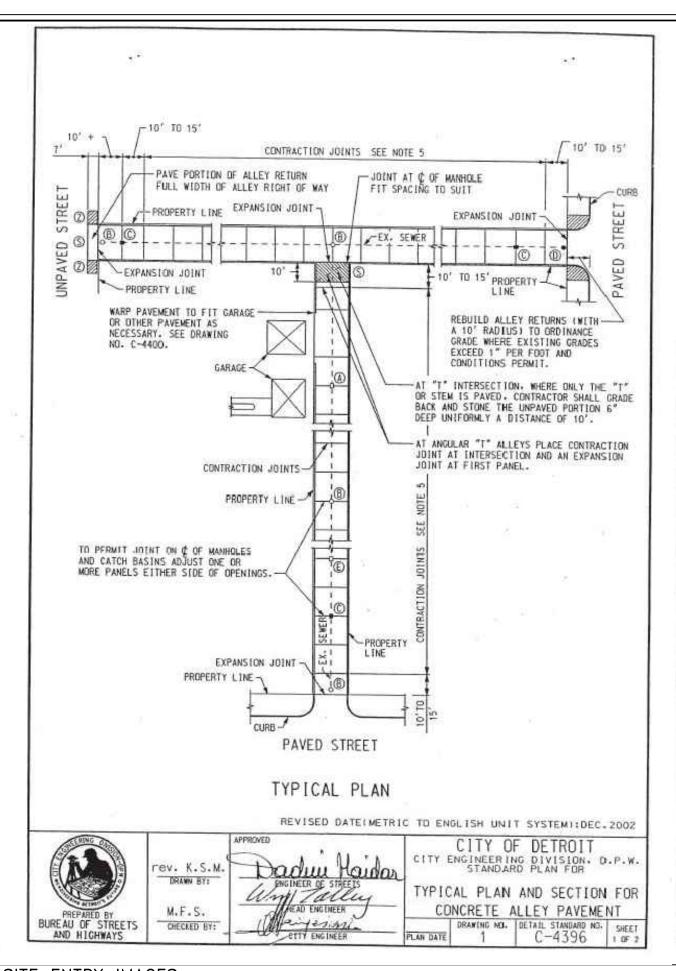
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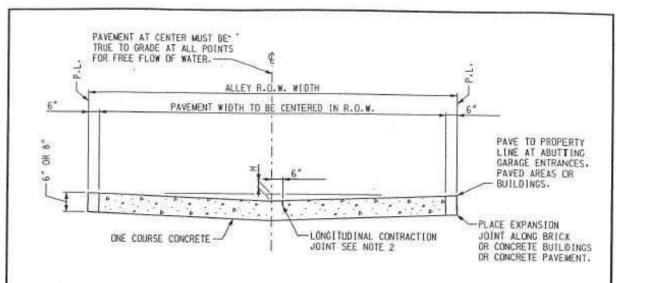
> > SHEET TITLE:

CITY OF DETROIT DETAILS

SHEET NUMBER:

SITE ENTRY IMAGES





# TYPICAL SECTION

#### NOTES:

ELEMENTS

20"

18" 16'

ALLEY WIDTH

PAY'T R.O.W.

- 1. PLACE EXPANSION JOINTS AT ALL STREET PROPERTY LINES AND ALLEY INTERSECTIONS.
- 2. LONGITUDINAL CONTRACTION JOINT TO BE CONSTRUCTED IN PAVEMENTS 17' AND OVER IN WIDTH UNLESS OTHERWISE NOTED ON PAVING PLAN.
- 3. MAXIMUM SPACING BETWEEN EXPANSION JOINTS SHOULD NOT EXCEED 600 FEET.
- 4. IF STREET IS ECONOMY PAVED THE AREA BETWEEN THE WALK AND EDGE OF PAYEMENT SHALL BE PAYED WITH 6" STONE BASE PLUS 2" OF COLD PATCH. MATERIAL. THE WALK FLAG SHALL BE 6" THICK
- 5. CONTRACTION JOINTS SHALL BE SPACED AT 15' C. TO C. FOR SLAG AGGREGATE AND 6.0 m C. TO C. FOR NATURAL AGGREGATE.

REVISED DATE (METRIC TO ENGLISH UNILLSYSTEM): DEC . 2002

#### CONSTRUCTION SYMBOLS LEGEND

- O EXISTING SEMER MANHOLE
- PROPOSED SEMER MANHOLE
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- ADJUST EXISTING CATCH BASIN
- ADJUST EXISTING MANHOLE
- CONSTRUCT CATCH BASIN
- CONSTRUCT MANHOLE
- ABANDON EXISTING CATCH BASIN
- STONING AND GRADING
- (2) CONSTRUCT STANDARD 6" CONCRETE

CITY OF DETROI CITY ENGINEERING DIVISION. D.P.W. STANDARD PLAN FOR

TYPICAL PLAN AND SECTION FOR CONCRETE ALLEY PAVEMENT

C-4396

DRAWING NO. DETAIL STANDARD NO. SHEET

YOUR NETWORK

APPLICANT

ARCHITECT/ENGINEER

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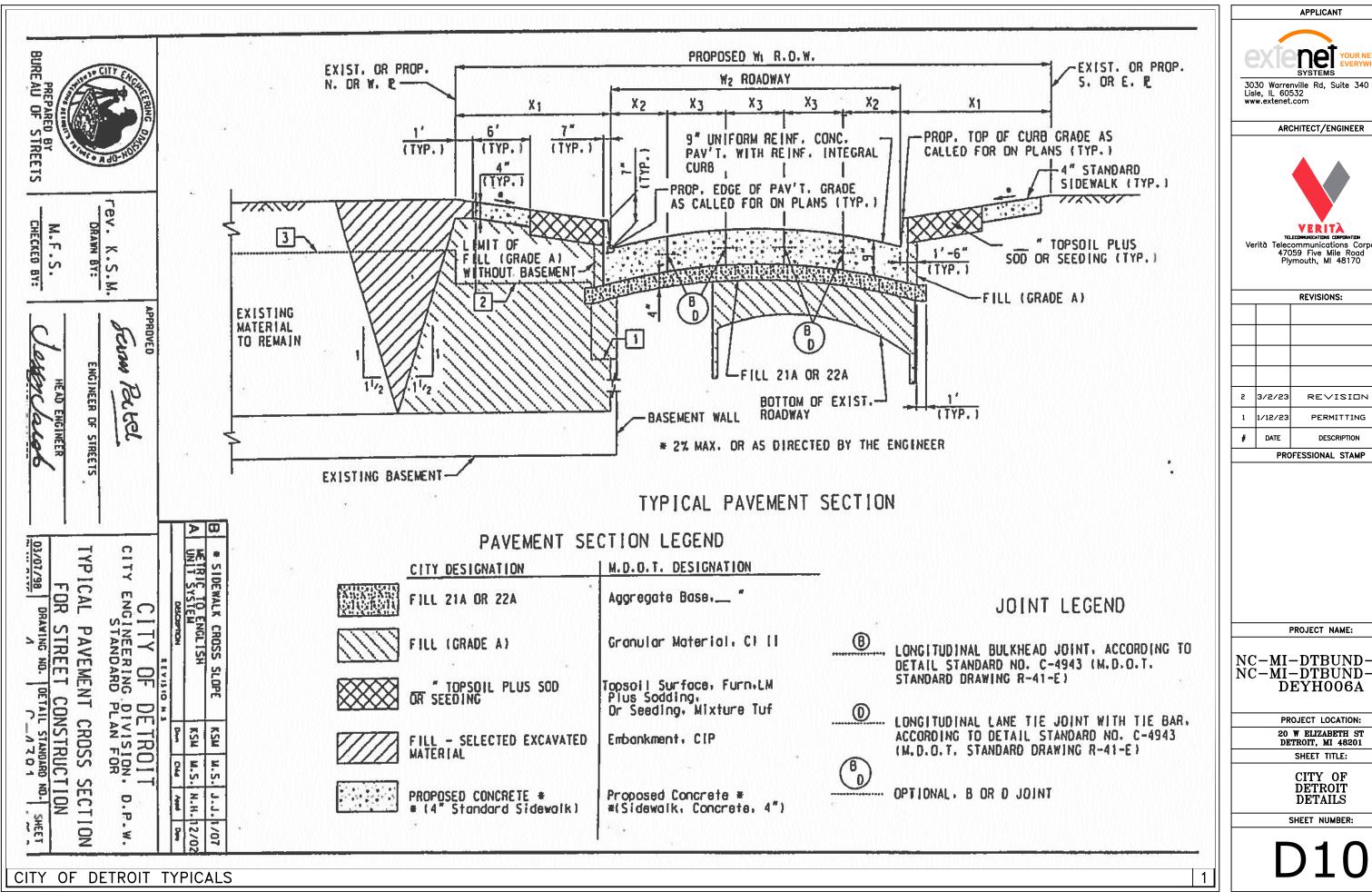
NC-MI-DTBUND-TMO NC-MI-DTBUND-TMO DEYH006A

PROJECT LOCATION:

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SHEET TITLE:

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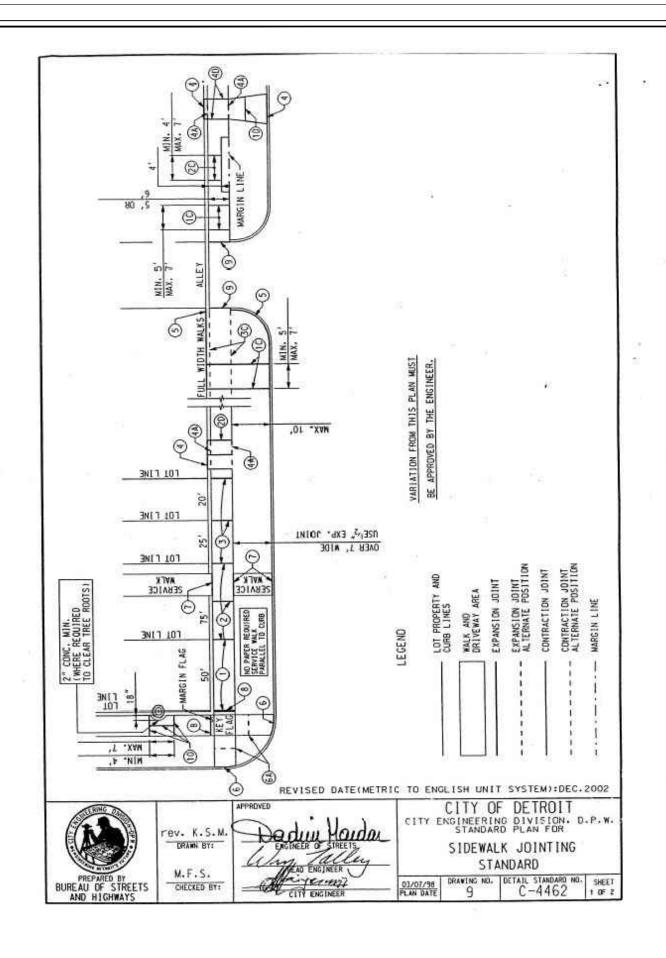
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#### EXPANSION JOINTS.

ALL EXPANSION JOINT PAPER SHALL EXTEND 1" BELOW THE BOTTOM OF THE THINNER OF ADJOINING PAVEMENT SECTIONS.

- 15.240 m APART.
- LESS THAN 25' APART.
- PLACE 1" PAPER EXPANSION JOINTS AT CURB AND BUILDING OR PROPERTY LINE FOR FULL WIDTH SIDEWALK EXCEEDING 7' IN WIDTH.
- PLACE 1" PAPER EXPANSION JOINTS AT CURB CIRCLES OR AT ALTERNATE POSITION (6) AS SHOWN.
- PLACE 1" PAPER EXPANSION JOINTS AT INTERSECTIONS OF SERVICE WALKS AND SIDEWALKS AND SERVICE WALKS AND CURBS.
- 9
- PLACE 1/2" PAPER EXPANSION JOINT BOTH SIDES OF SIDEWALK FLAG ABUTTING TREE AND ON CENTERLINE JOINT.

### CONTRACTION JOINTS

- PLACE CONTRACTION JOINTS AT INTERVALS OF NOT LESS THAN 5' NOR MORE THAN 7' ON WALKS 5' WIDE OR WIDER, INCLUDING FULL
- MORE THAN 7' ON WALKS 4' WIDE.
- WALKS (OPTIONAL).

#### DRIVEWAYS

- PLACE CONTRACTION JOINTS IN DRIVEWAYS SO THAT NO SLAB WILL EXCEED THE DIMENSIONS OF 15' BY 15'.
- DRIVES.
- WHEN WIDTH OF DRIVEWAY EXCEEDS 15
- PLACE 1/2" PAPER EXPANSION JOINTS ON BOTH SIDES OF RESIDENTIAL DRIVEWAYS. IF DRIVEWAY EDGE IS WITHIN 2' OF LOT LINE, PLACE THIS EXPANSION PAPER AT PROPERTY LINE.

REVISED DATE (METRIC TO ENGLISH UNIT SYSTEM): DEC. 2002

CITY OF DETROIT

DRAWING NO. DETAIL STANDARD NO. 03/07/98 PLAN DATE 9 C-4462 2 OF 2

- PLACE  $\frac{1}{2}$  PAPER EXPANSION JOINTS AT LOT LINES WHEN LOT LINES ARE BETWEEN 25' AND 50' APART.
- PLACE ADDITIONAL 1/2" PAPER EXPANSION JOINTS SO THAT THE DISTANCE BETWEEN JOINTS DOES NOT EXCEED 15-2 m WHEN LOT LINES ARE OVER
- PLACE 1/2" PAPER EXPANSION JOINTS AT EVERY SECOND LOT LINE AND CONTRACTION JOINT AT INTERVENING LOT LINE WHEN LOT LINES ARE
- PLACE 1" PAPER EXPANSION JOINTS AT CURB AND BUILDING OR PROPERTY LINE OR AT ALTERNATE POSITION (A) AS SHOWN FOR DRIVEWAY.

- PLACE 1" PAPER EXPANSION JOINTS AT MARGIN FLAGS AT CROSSWALKS.
- PLACE 1" PAPER EXPANSION JOINTS AT ALLEY APRONS.

- PLACE CONTRACTION JOINTS AT INTERVALS OF NOT LESS THAN 4' NOR
- PLACE CONTRACTION JOINTS AT THE MARGIN LINE ON FULL WIDTH

- PLACE 1" PAPER EXPANSION JOINTS ON ALL SIDES OF COMMERCIAL
- PLACE CONSTRUCTION OR CONTRACTION JOINT ON CENTERLINE

CITY ENGINEERING DIVISION. D.P.W. STANDARD PLAN FOR SIDEWALK JOINTING

STANDARD

SHEET TITLE: CITY OF

**DETAILS** SHEET NUMBER:

**DETROIT** 

**APPLICANT** 

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ARCHITECT/ENGINEER

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47059 Five Mile Road Plymouth, MI 48170

**REVISIONS:** 

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PROJECT NAME:

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NC-MI-DTBUND-TMO

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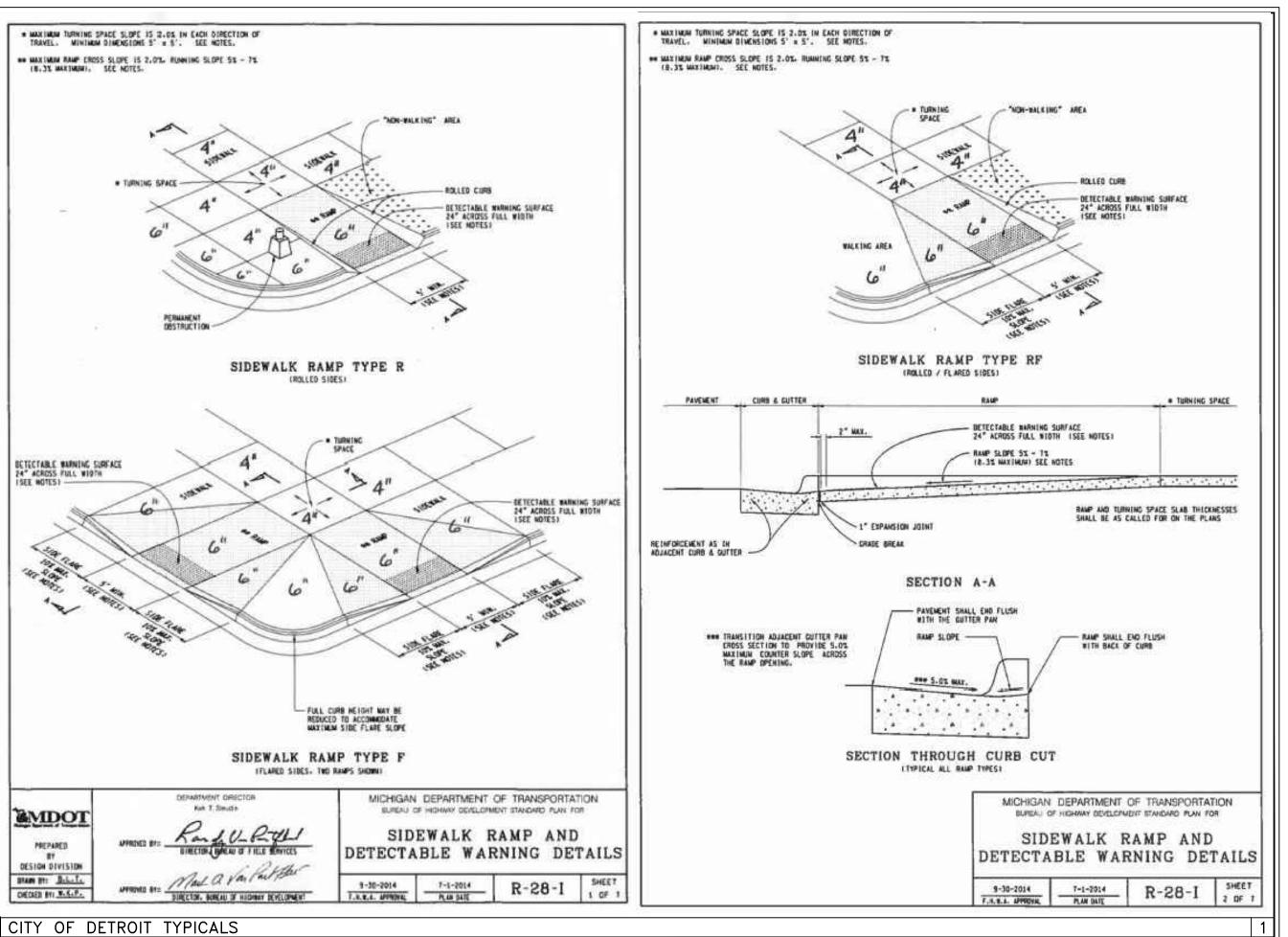
PROJECT LOCATION: 20 W ELIZABETH ST DETROIT, MI 48201

Lisle, IL 60532 www.extenet.com

3/2/23

1/12/23

DATE



APPLICANT www.extenet.com PROFESSIONAL STAMP

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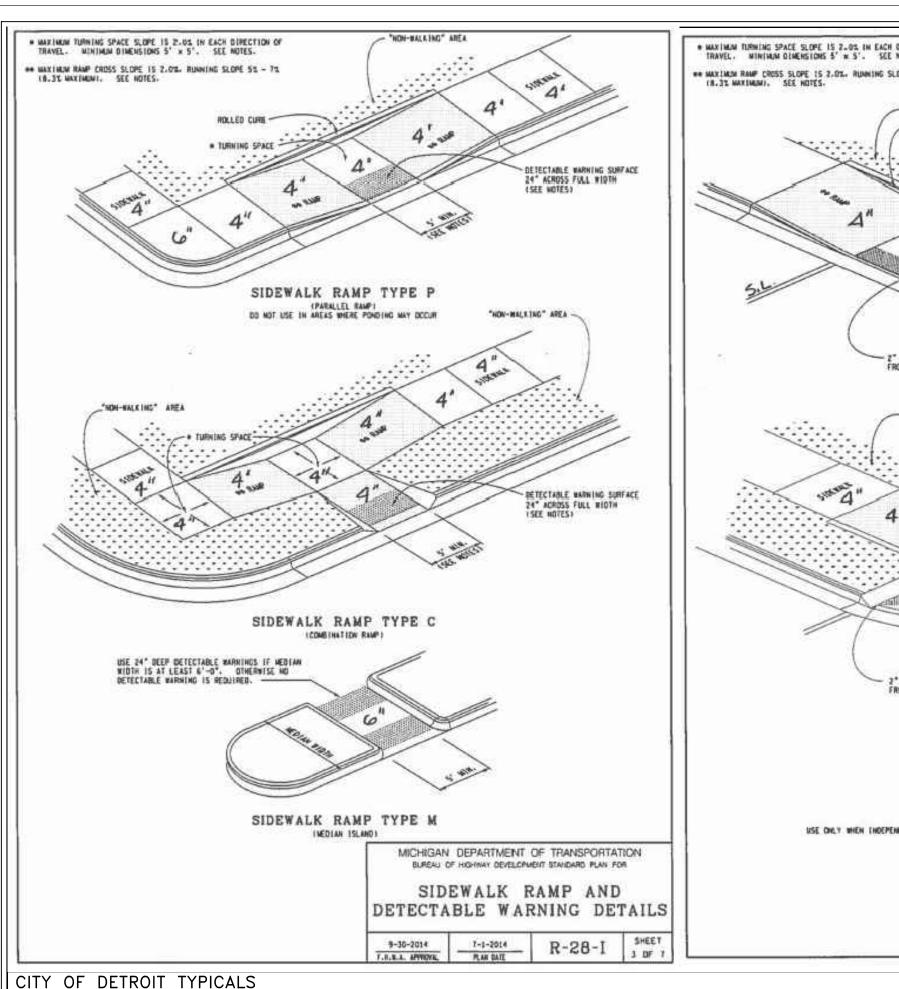
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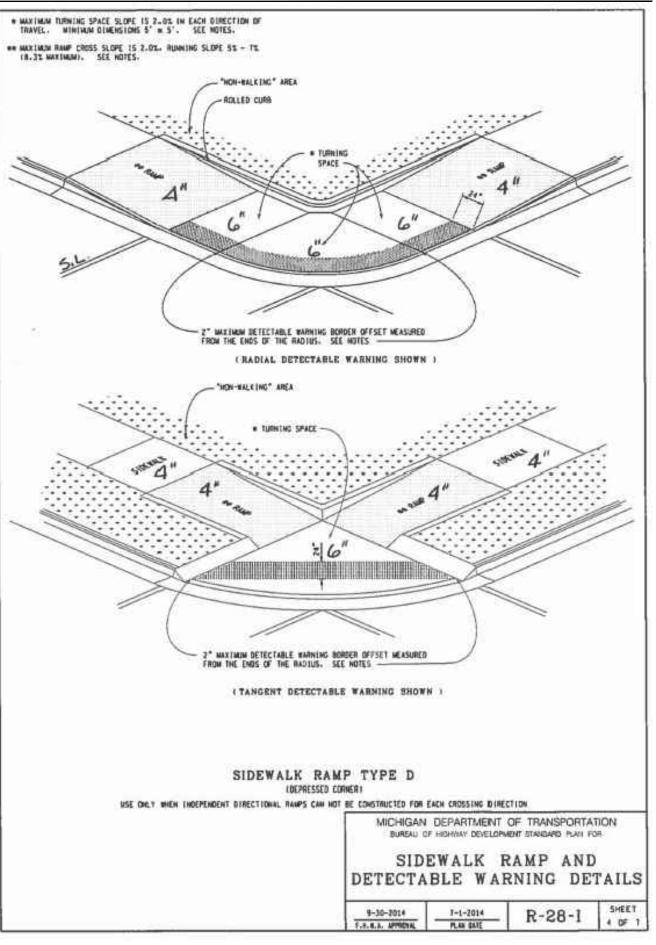
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CITY OF DETROIT DETAILS









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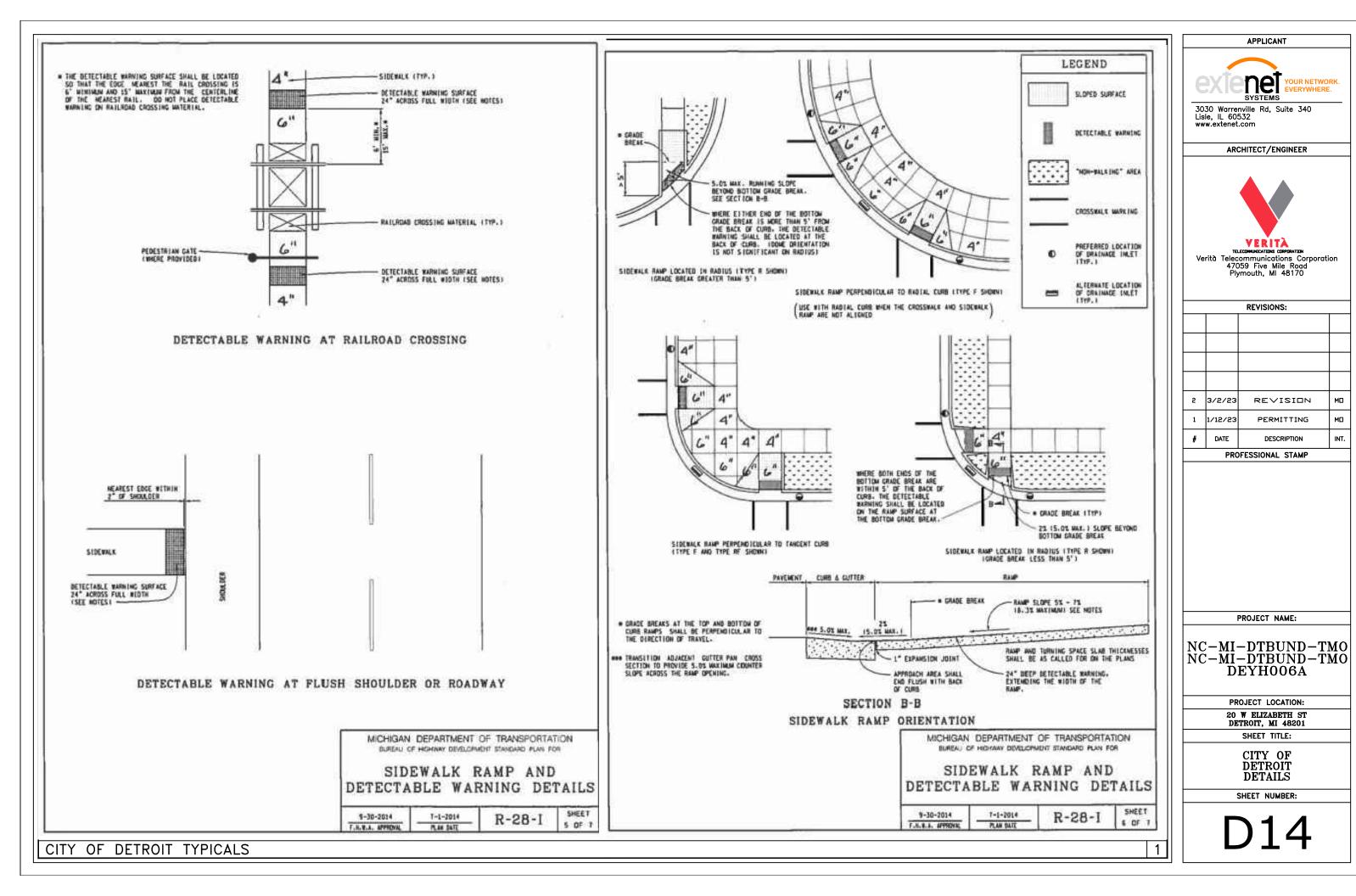
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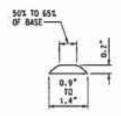
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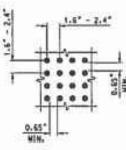
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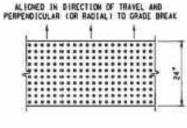
SHEET TITLE:

CITY OF DETROIT DETAILS









DOME SECTION

DOME SPACING

DOME ALIGNMENT

#### DETECTABLE WARNING DETAILS

#### MOTEST

BETAILS SPECIFIED ON THIS IPLAN APPLY TO ALL CONSTRUCTION. RECONSTRUCTION, OR ALTERATION OF STREETS. CURBS. OR SIDEWALKS IN THE PUBLIC BLOOT OF MAY.

SIDEMALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

RAMPS SHALL BE PROVIDED AT ALL CORNERS OF AN INTERSECTION WHERE THERE IS EXISTING OF PROPOSED SIDEMALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT MARKED AND/OR SIGNALIZED MID-BLOCK

SURFACE TEXTURE OF THE HAMP SHALL BE THAT CRITATINED BY A COURSE BROOMING. TRANSVERSE TO THE RUMBING SLOPE.

SIDEMALK SHALL BE MAMPED WHERE THE DRIVEWAY CURB IS EXTENDED ACROSS THE WALK.

CARE SHALL BE TAKEN TO ASSUME A UNIFORM GRADE ON THE RAMP. MERIE CONDITIONS PERMIT. IT IS DESIMABLE THAT THE SLOPE OF THE RAMP BE IN ONLY ONE DIRECTION. PARALLEL TO THE DIRECTION OF TRAVEL.

RAMP WIDTH SHALL BE INCREASED. IF NECESSARY. TO ACCOMMODATE STORMAL SHOW REMOVAL EQUIPMENT MORMALLY USED BY THE

PROVIDE TURNING SPACES WHERE PEDESTRIAN TURNING MOVEMENTS ARE REQUIRED.

WHEN 5' MINIMUM WIDTHS ARE NOT FEASIBLE. HAMP BIDTH WAY BE REDUCED TO NOT LESS THAN 4' AND TURNING SPACES TO NOT LESS THAN 4' AND TURNING SPACES TO NOT LESS THAN 4' AND TURNING SPACES.

DETECTABLE WARNING SURFACE COVERAGE IS 24" MINIMUM IN THE DIRECTION OF MAMP/PATH TRAVEL AND THE FULL WIDTH OF THE MAMP/PATH OPCOUNT EXCLUSIVE CURBED ON FLARED CURB TRAVELTION AREAS. A BORDER DEFSET HOT CREATER THAN 2" MEASURED ALONG THE EDGES OF THE DETECTABLE WARNING IS ALLOWABLE. FOR MADIAL CURB THE OFFSET IS MEASURED FROM THE ENDS OF THE MADIUS.

FOR NEW ROADWAY CONSTRUCTION. THE RAMP CROSS SLOPE MAY NOT ETCEED 2.05. FOR ALTERATIONS TO EXISTING ROADWAYS, THE CROSS SLOPE MAY BE TRANSITIONED TO MEET AM EXISTING ROADWAY GRADE. THE CROSS SLOPE TRANSITION SHALL BE APPLIED UNIFORMLY OVER THE FULL LENGTH OF THE RAMP.

THE MAXIMUM RUMMING SLOPE OF 8.3% IS RELATIVE TO A FLAT 10%)
REFERENCE. HOREVER, IT SHALL HOT REQUIRE ANY RAMP OR SERIES
OF RAMPS TO EXCECU IS FEET IN LENGTH.

DRAINAGE STRUCTURES SHOULD NOT BE PLACED IN LINE WITH RAMPS. THE LOCATION OF THE RAMP SHOULD TAKE PRECEDENCE DIVER THE LOCATION OF THE ORALIMAGE STRUCTURE. WHERE EXISTING DRAINAGE STRUCTURES ARE LOCATED IN THE BRAMP PATH OF TRAVEL. USE A MARKFACTURER'S AGE COMPLIANT CRATE. DPENINGS SHALL NOT BE GREATER THAN "2". ELONGATED GRENINGS SHALL BE PLACED SO THAT THE LOWG DIMERSION IS PERFENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

TRANSITION THE CUITTER PAN CROSS SECTION SUCH THAT THE COUNTER SLOPE IN THE DIRECTION OF RAMP TRAVEZ IS NOT GREATER THAN 5.0% MAINTAIN THE NORMAL CUITTER PAN CROSS SECTION ACROSS ORNINGER STRUCTURES.

THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.

CROSSWALK AND STOP LINE MARKINGS. IF USED, SHALL BE SO LOCATED AS TO STOP IRAFFIC SHORT OF RAMP CROSSINGS. SPECIFIC DETAILS FOR MARKING APPLICATIONS ARE GIVEN IN THE "MICRIGAN MARMAL OF UNIFORM IRAFFIC CONTROL CONTROL CO

FLARED SIDES WITH A SLOPE OF 10% MAXIMUM. MEASURED ALONG THE ROADSIDE CURB LINE. SHALL BE PROVIDED WHERE AN UNDOSTRUCTED CIRCULATION PATH LATERALLY CROSSES THE SIDEWALK RAMP. FLARED SIDES ARE NOT REQUIRED WHERE THE RAMP IS BURDHED BY LAMBSCAPING. LMPAYED SUBSACE OR PERMANENT FIXED OBJECTS. WHERE THEY ARE NOT REQUIRED, FLARED SIDES CAN BE CONSIDERED IN CROSS TO AVOID SHARP CURB RETURNS AT RAMP OPENINGS.

DETECTABLE WARMING PLATES MUST BE ENSTALLED USING FARRICATED OR FIELD OUT UNITS CAST AND/OR AND/OPED IN THE PAVEMENT TO MESIST SHIFTING OR HEAVING.

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DEVILOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

9-30-2014 7.H.V.A. APPROVAL 7-1-2014 PLAN DATE R-28-I

SHEET 7 OF T

# CITY OF DETROIT TYPICALS

#### 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:			
2	3/2/23	REVISI□N	МП
1	1/12/23	PERMITTING	МП
#	DATE	DESCRIPTION	INT.
PROFESSIONAL STAMP			

PROJECT NAME:

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

PROJECT LOCATION:

20 W ELIZABETH ST DETROIT, MI 48201

SHEET TITLE:

CITY OF DETROIT DETAILS

SHEET NUMBER: