FEDERAL JOB NO.	COUNTY	VILLAGE	SHEET NUMBER	TOTAL SHEETS
207882	VAN BUREN	PAW PAW	1	39

VILLAGE OF PAW PAW

IN CO–OPERATION WITH

MICHIGAN DEPARTMENT OF TRANSPORTATION AND
FEDERAL HIGHWAY ADMINISTRATION
PLAN AND PROFILE OF PROPOSED

MICHIGAN AVENUE STREETSCAPE PROJECT

CONTROL SECTION: STUL 80000

JOB #: 207882

INDEX OF SHEETS

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3	EXISTING ROADWAY CROSS SECTIONS – 2
4	EXSITING ROADWAY CROSS SECTIONS – 3
5	PROPOSED ROADWAY CROSS SECTIONS – 1
6	PROPOSED ROADWAY CROSS SECTIONS – 2
7	PROPPOSED ROADWAY CROSS SECTION – 3
8	PROPOSED ROADWYA CROSS SECTIONS – 4
9	STANDARD DETAILS AND NOTES – 1
10	STANDARD DETAILS AND NOTES – 2
11	EXISTING CONDITIONS
12	BORING LOGS – 1
13	REMOVAL PLAN – 1
14	REMOVAL PLAN – 2
15	PROPOSED PLAN AND PROFILE MICHIGAN AVE STA. 2+02 (P.O.B.) TO STA. 5+00
16	PROPOSED PLAN AND PROFILE MICHIGAN AVE STA. 5+00 TO STA. 9+75
17	PROPOSED PLAN AND PROFILE MICHIGAN AVE STA. 9+75 TO STA. 14+50
18	PROPOSED PLAN AND PROFILE MICHIGAN AVE STA. 14+50 TO STA. 16+00 (P.O.E.)
19	PROPOSED PLAN PROFILE KALAMAZOO ST STA. 21+38 (P.O.B) TO 25+26 (P.O.E)
20	INTERSECTION GRADING PLAN – 1
21	INTERSECTION GRADING PLAN – 2
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24	PAVEMENT MARKING AND PERMANENT SIGNAGE PLAN
25	SOIL EROSION AND SEDIMENTATION CONTROL PLAN
26	TRAFFIC MAINTENANCE PLAN – PHASE 1A
27	TRAFFIC MAINTENANCE PLAN – PHASE 1B
28	TRAFFIC MAINTENANCE PLAN – PHASE 2
29	TRAFFIC MAINTENANCE PLAN – PHASE 3
30	TRAFFIC MAINTENANCE PLAN – PHASE 4
31	TRAFFIC MAINTENANCE PLAN – PHASE 5A
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36	OVERALL LANDSCAPE PLAN
37	LANDSCAPE PLAN – 1
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COUNTY KEY

VILLAGE OF PAW PAW OFFICIALS

PRESIDENT	ROMAN PLASZCZAK
PRESIDENT PRO–TEAM	DOUGLAS CRADDOCK
TRUSTEE	NADINE JARVIS
TRUSTEE	MARY HOUPPERT–MCINTOSH
TRUSTEE	JOSHUA PRZYGOCKI
TRUSTEE	DONNE ROHR
TRUSTEE	AMANDA BARTLETT
VILLAGE MANAGER	SARAH MOYER–CALE

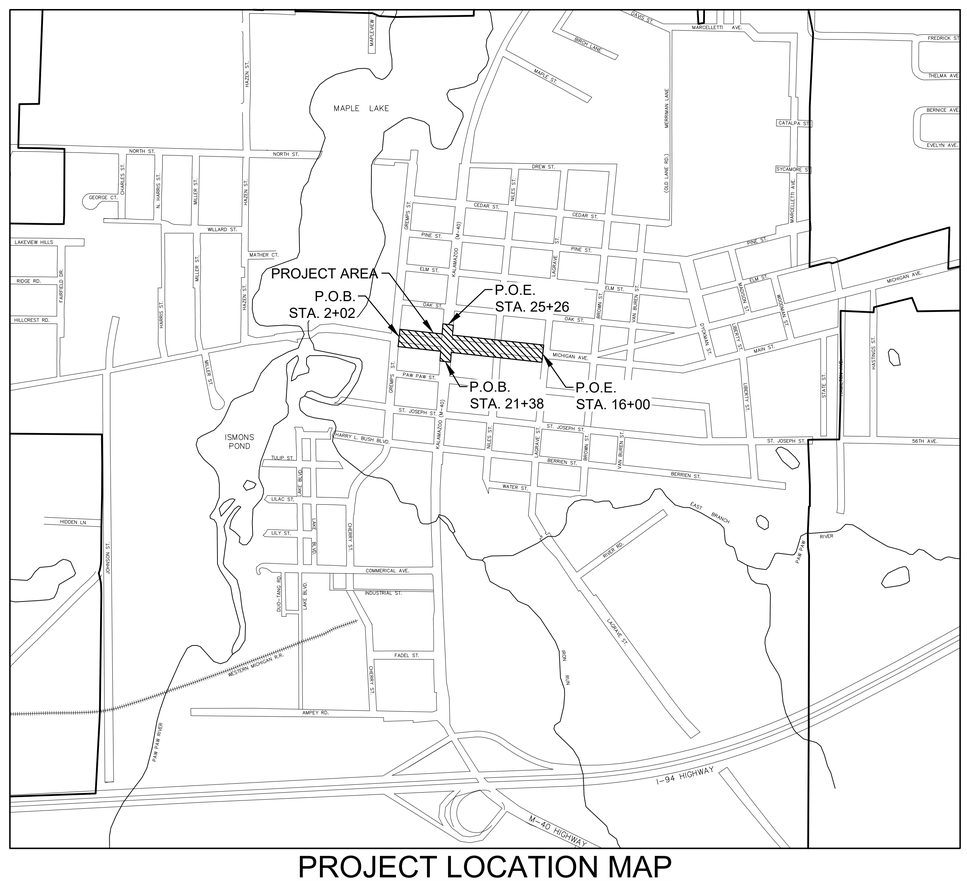
THE IMPROVEMENTS COVERED BY THESE PLANS ARE DESIGNED IN ACCORDANCE WITH:

AASHTO ''A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS'', 2018 EDITION.

2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND SUPPLEMENTAL SPECIFICATIONS.

2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD) AS AMENDED.

AASHTO ''GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES'', 2012 EDITION



PROJECT LOCATION MAP

NOT TO SCALE

TRAFFIC DATA

MICHIGAN AVENUE	YEAR 2020	YEAR 2040
ADT =	9,500	11,580
DHV =	1,150	1,390
% COMMERCIAL =	5%	5%
DESIGN SPEED =	35 MPH	
POSTED SPEED =	30 MPH	

LOCAL UTILITIES

GAS:
CONSUMERS ENERGY – GAS
KYLE OAK
2500 E. CORK STREET
KALAMAZOO, MI 49001
KYLE.OAK@CMSENERGY.COM
269–337–2366

TELEPHONE:
FRONTIER
LANCE WEBLEY
601 N. US–131
THREE RIVERS, MI 49093
LANCE.WEBLEY@FTR.COM
269–273–0371

INTERNET:
AT&T
CHRIS O'BRIEN
1435 MILTON STREET
BENTON HARBOR, MI 49022
CO2391@ATT.COM
269–926–0232

WATER/SANITARY/ELECTRIC
VILLAGE PAW PAW
PUBLIC WORKS
JOHN SMALL
110 HARRY L. BUSH BLVD.
PAW PAW, MI 49079
269–657–3169

CABLE:
COMCAST
JAY CASTELLO
1920 MCKINLEY AVENUE
MISHAWAKA, IN 46545
JAY_CASTELLO@COMCAST.COM
847–789–1039

INTERNET:
BLOOMINGDALE COMMUNICATIONS
DAN KEY
101 W. KALAMAZOO STREET
BLOOMINGDALE, MI 49026
DANK@BCISTAFF.COM
269–521–7320

CALL MISS DIG

1–800–482–7171 OR 811

FOR PROTECTION OF THE UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CALL MISS DIG A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING CONSTRUCTION OPERATIONS. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE PART OF THE ''MISS DIG'' ALERT SYSTEM.

811 Know what's below. Call before you dig.

PROJECT LENGTH: 0.26 MILES

CONTRACT FOR 0.26 MILES OF ROADWAY IMPROVEMENTS

VILLAGE APPROVAL

SARAH MOYER–CALE
VILLAGE MANAGER

DATE

DANIEL A. DOMBOS, PE
REGISTERED PROFESSIONAL ENGINEER

55193
REGISTRATION NO.

ABONMARCHE CONSULTANTS, INC.
ORGANIZATION

700 MALL DRIVE, PORTAGE, MI 49024
ADDRESS

1 OF 39 JOB #18–1687

1 OF 39 JOB NO.: 207882 CONTROL SECTION: STUL 80000
MICHIGAN AVENUE STREETSCAPE PROJECT - VILLAGE OF PAW PAW
ACI JOB # 18-1687

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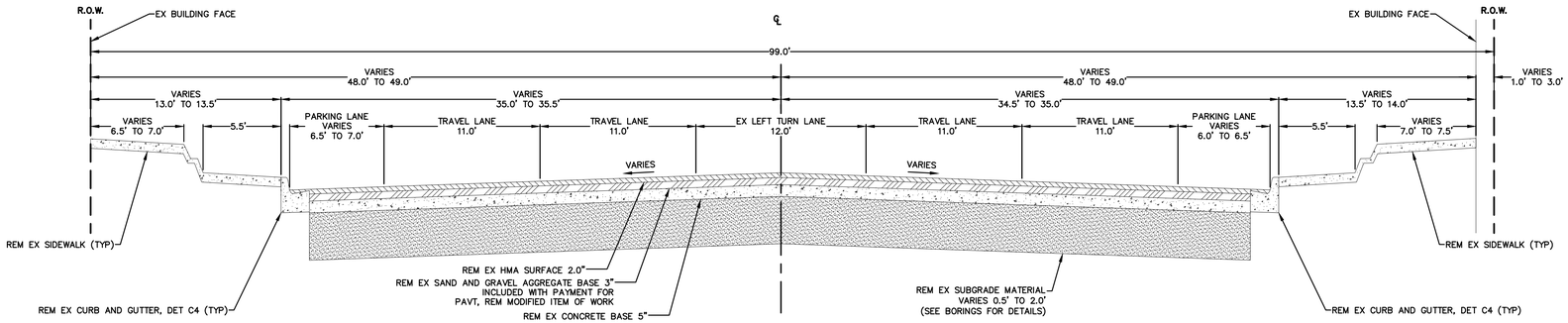
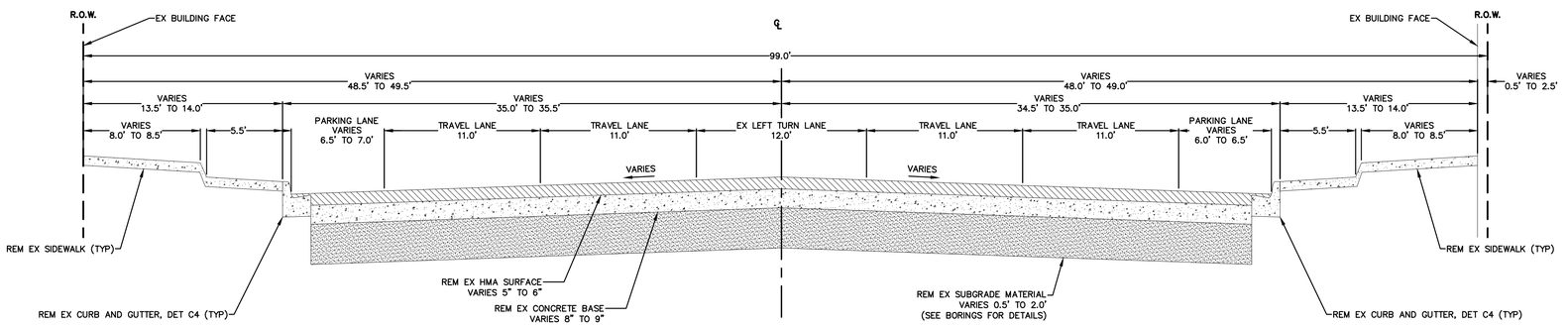
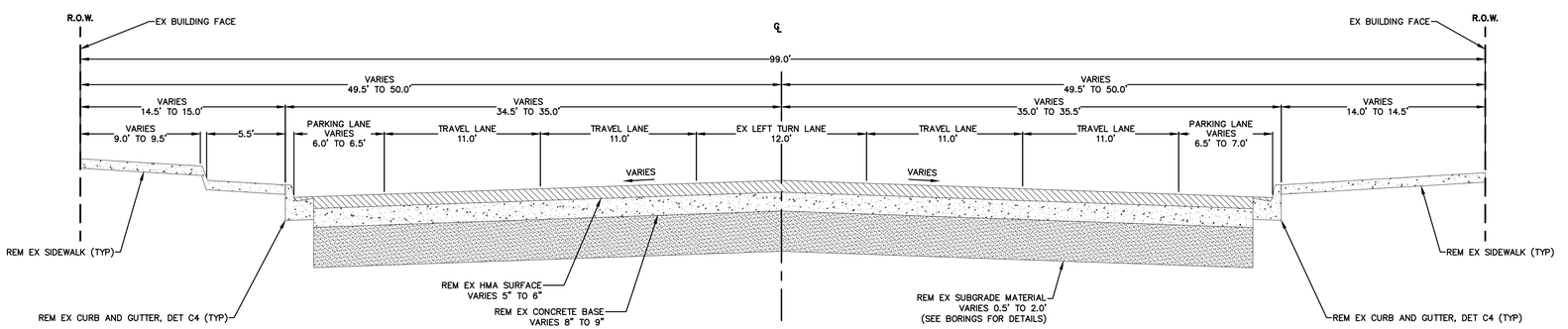


EXISTING ROADWAY SECTION
MICHIGAN AVENUE
STATION 2+02 (P.O.B.) TO 4+50
SCALE: VERT 1"=2.5'
HORZ 1"=5'



EXISTING ROADWAY SECTION
MICHIGAN AVENUE
STATION 4+50 TO 6+07
SCALE: VERT 1"=2.5'
HORZ 1"=5'



EXISTING ROADWAY SECTION
MICHIGAN AVENUE
STATION 6+07 TO 9+44
SCALE: VERT 1"=2.5'
HORZ 1"=5'

EXISTING HMA
CONCRETE
AGGREGATE BASE
SUBGRADE

NO.	REVISION DESCRIPTION:	BY:	DATE:

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Fort Wayne
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Hobart
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South Haven
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Engineering Architecture Land Surveying

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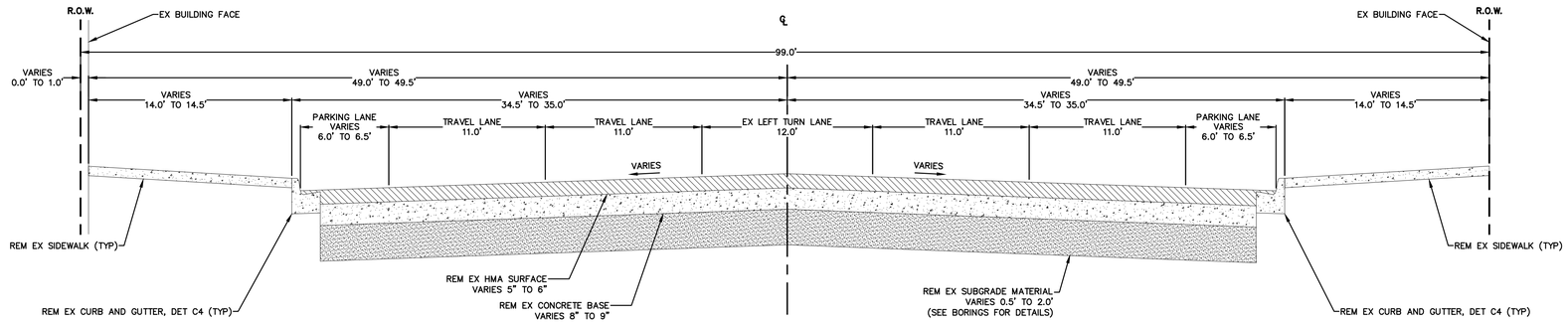
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

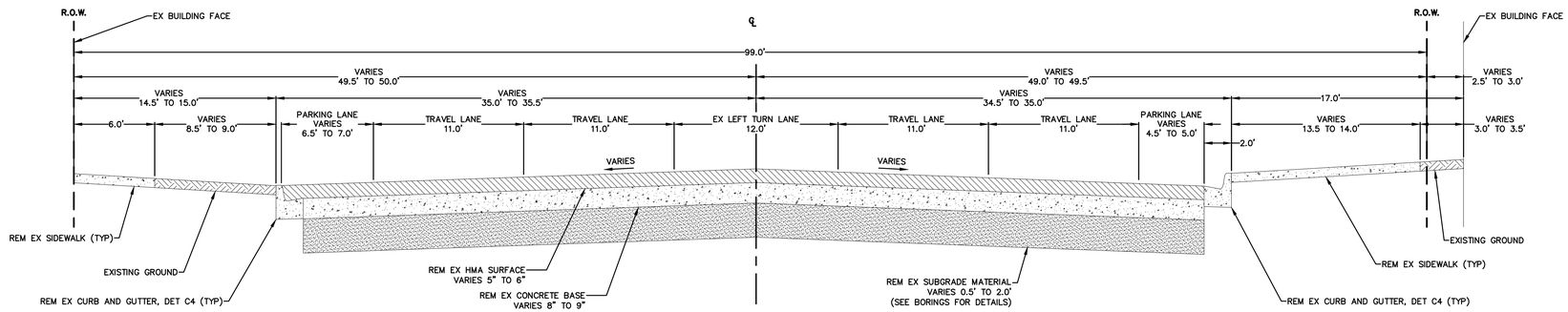
SHEET TITLE:
EXISTING
ROADWAY CROSS SECTIONS - 1

DRAWN BY:
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 5'
VERT: 1" = 2.5'
ACI JOB #
18-1687
SHEET NO.
2 of 39

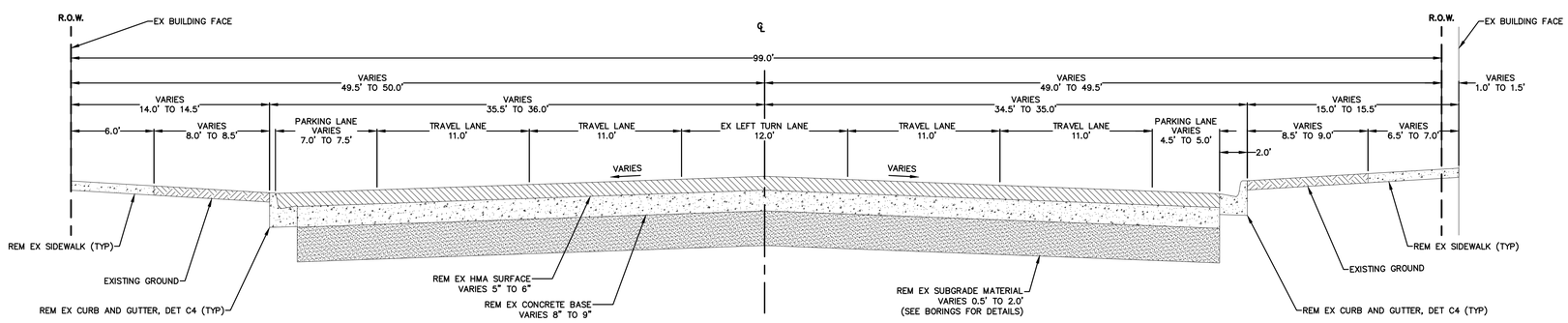
o:\Projects\2018\18-1687-village of paw paw - streetscape\CADD_Civil\Drawings\18-1687 XI.dwg, XI-1, 8/7/2020 9:38:18 AM, ckemps, 1:1



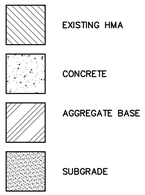
EXISTING ROADWAY SECTION
MICHIGAN AVENUE
STATION 9+44 TO 11+85
SCALE: VERT 1"=2.5'
HORZ 1"=5'



EXISTING ROADWAY SECTION
MICHIGAN AVENUE
STATION 11+85 TO 14+28
SCALE: VERT 1"=2.5'
HORZ 1"=5'



EXISTING ROADWAY SECTION
MICHIGAN AVENUE
STATION 14+28 TO 16+00 (P.O.E.)
SCALE: VERT 1"=2.5'
HORZ 1"=5'



NO.	REVISION DESCRIPTION:	BY:	DATE:

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abonmarche.com
Benton Harbor
Fort Wayne
Goshen
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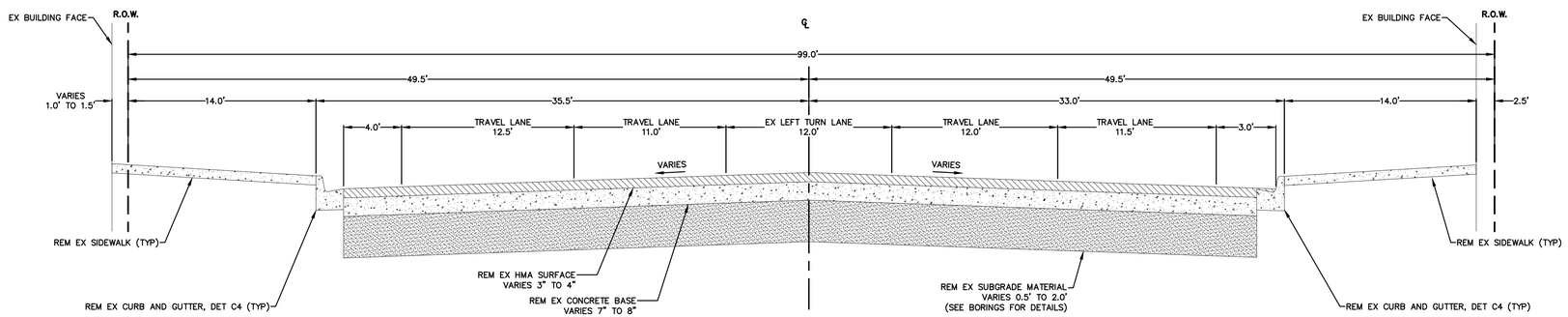
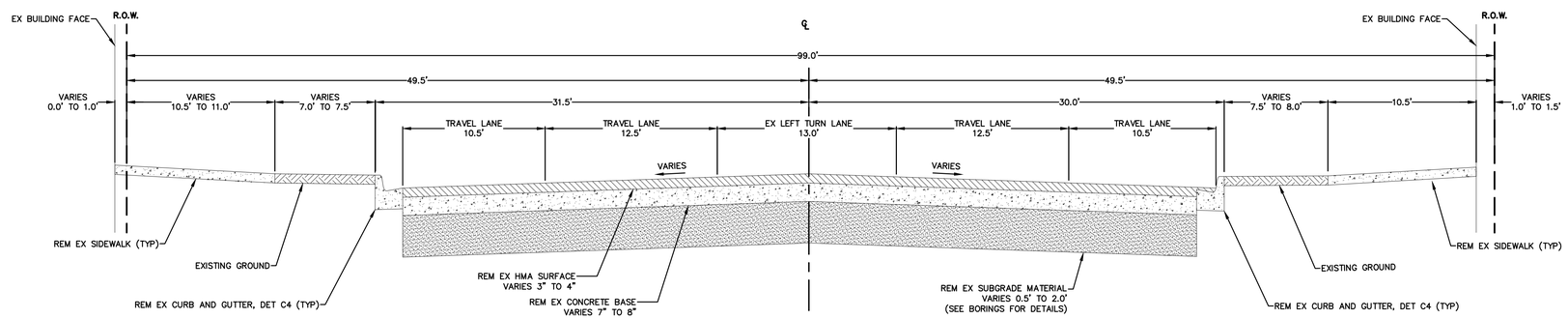
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
EXISTING
ROADWAY CROSS SECTIONS - 2

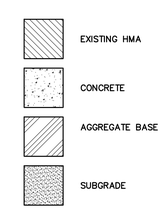
DRAWN BY: DRAWNBY
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 5'
VERT: 1" = 2.5'
ACI JOB #
18-1687
SHEET NO.
3 of 39



EXISTING ROADWAY SECTION
KALAMAZOO STREET
STATION 21+38 (P.O.B.) TO 23+30
SCALE: VERT 1"=2.5'
HORZ 1"=5'



EXISTING ROADWAY SECTION
KALAMAZOO STREET
STATION 23+30 TO 25+26 (P.O.E.)
SCALE: VERT 1"=2.5'
HORZ 1"=5'



NO.	REVISION DESCRIPTION:	BY:	DATE:

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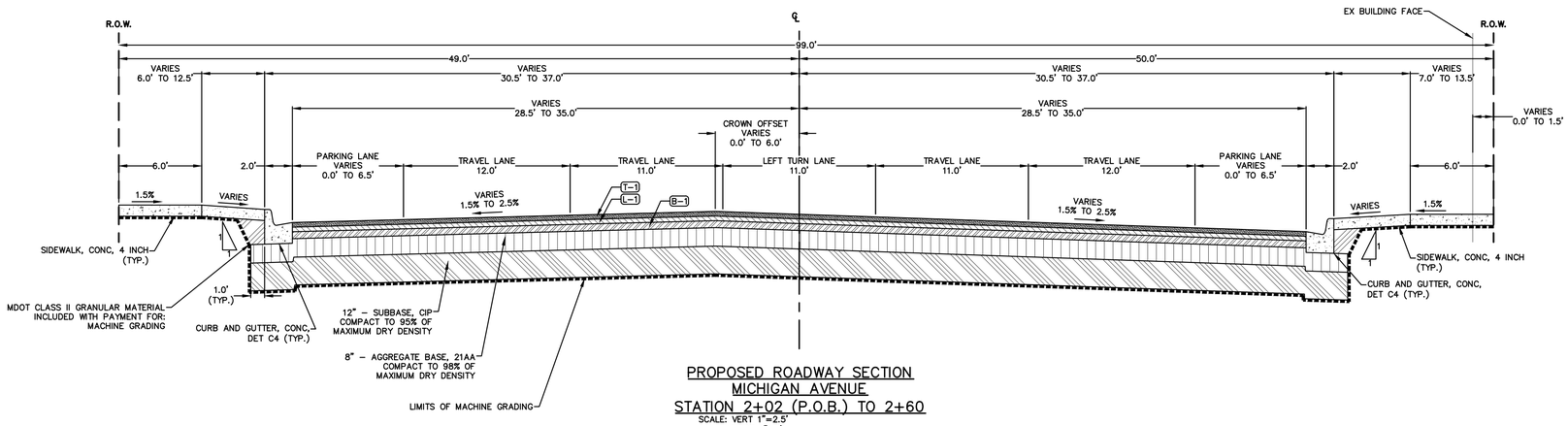
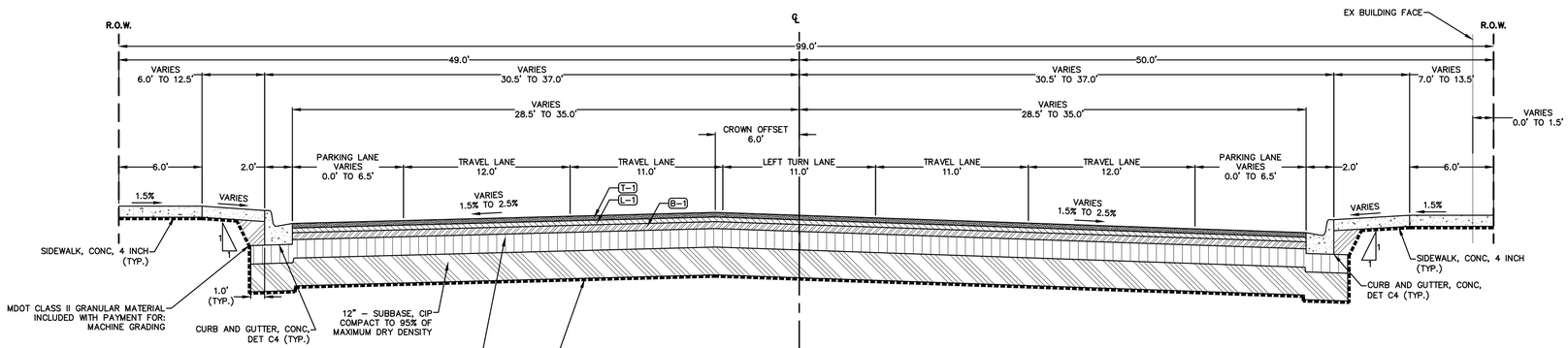
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
EXISTING
ROADWAY CROSS SECTIONS - 3

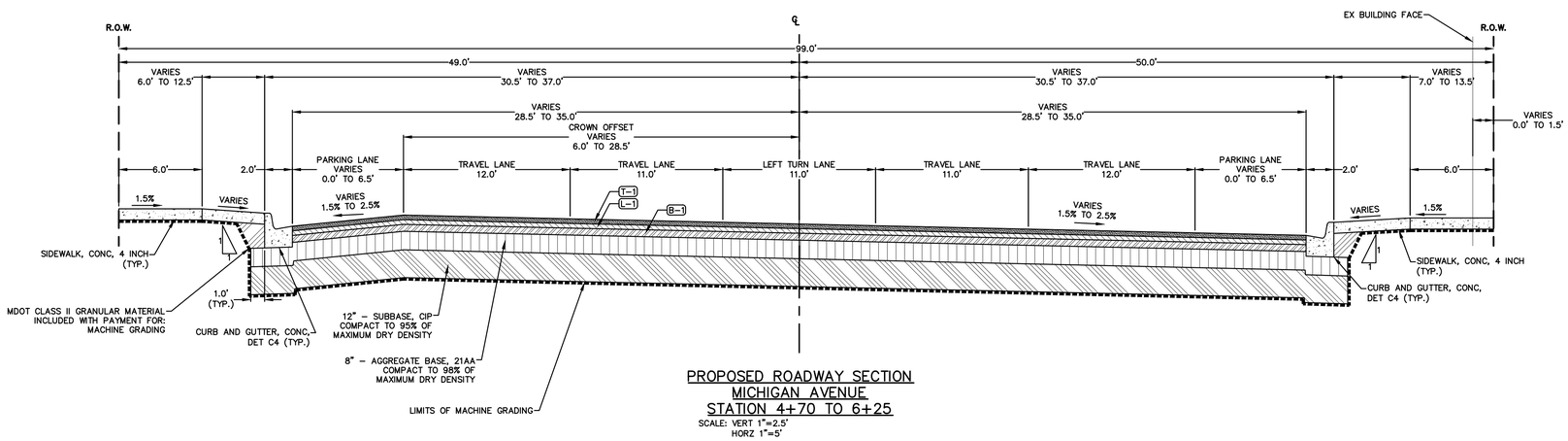
DRAWN BY: DRAWNBY
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 5'
VERT: 1" = 2.5'
ACI JOB # 18-1687
SHEET NO.



PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 2+02 (P.O.B.) TO 2+60
SCALE: VERT 1"=2.5'
HORZ 1"=5'



PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 2+60 TO 4+70
SCALE: VERT 1"=2.5'
HORZ 1"=5'
SEE DETAIL FOR DROP OFF AREA
STA: 3+74 TO STA: 4+32



PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 4+70 TO 6+25
SCALE: VERT 1"=2.5'
HORZ 1"=5'

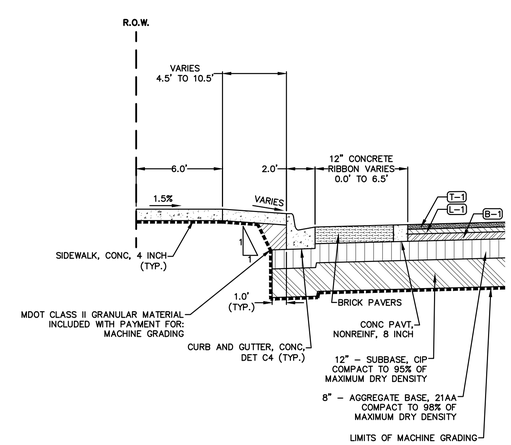
HATCH LEGEND

- HMA, 5E1 (TOP COURSE)
- HMA, 4E1 (LEVELING COURSE)
- HMA, 4E1 (BASE COURSE)
- AGGREGATE BASE
- SUBBASE, CIP
- CONCRETE
- GROUND SURFACE
- BRICK PAVERS

HMA APPLICATION TABLE

IDENTIFICATION NO.	MIXTURE	RATE (LBS/SYD)	PERFORMANCE GRADE	TYPE
T-1	5E3	220	64 – 28	TOP COURSE (AWI=260)
L-1	4E3	220	64 – 28	LEVELING COURSE
B-1	4E3	330	64 – 28	BASE COURSE
B-2	4E3	220	64 – 28	BASE COURSE

*HMA BOND COAT 0.05 TO 0.15 GAL/SYD REQUIRED BETWEEN ASPHALT LIFTS. (NOT A PAY ITEM)



DROP OFF AREA DETAIL
MICHIGAN AVENUE
STATION 3+74 TO 4+32
SCALE: VERT 1"=2.5'
HORZ 1"=5'

NO.	REVISION DESCRIPTION:	BY:	DATE:

ABONMARCHE
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F 269.927.1017
abonmarche.com
Engineering Architecture Land Surveying

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
PROPOSED
ROADWAY CROSS SECTIONS - 1

DRAWN BY: DRAWNBY
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
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SCALE:
HORZ: 1" = 5'
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ACI JOB # 18-1687
SHEET NO. 5 of 39

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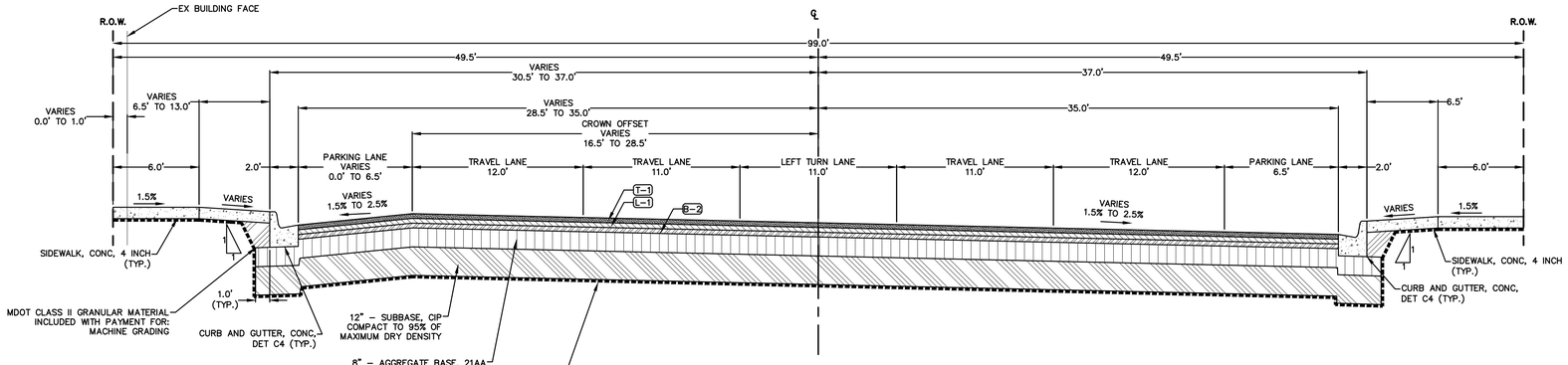

PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 7+25 TO 7+90
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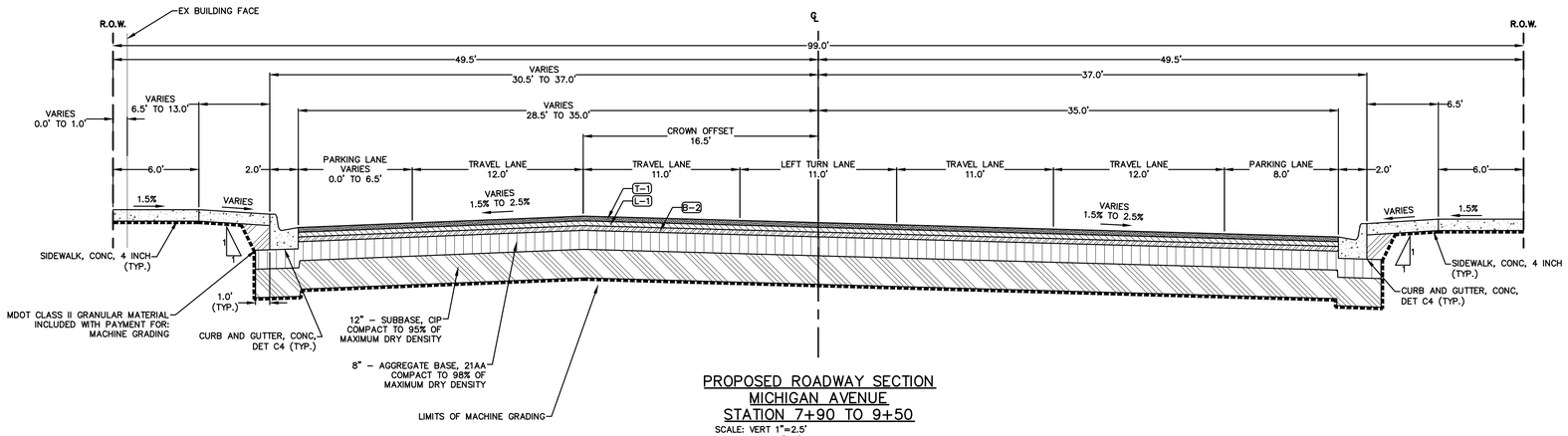
HORZ 1"=5'



PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 7+90 TO 9+50
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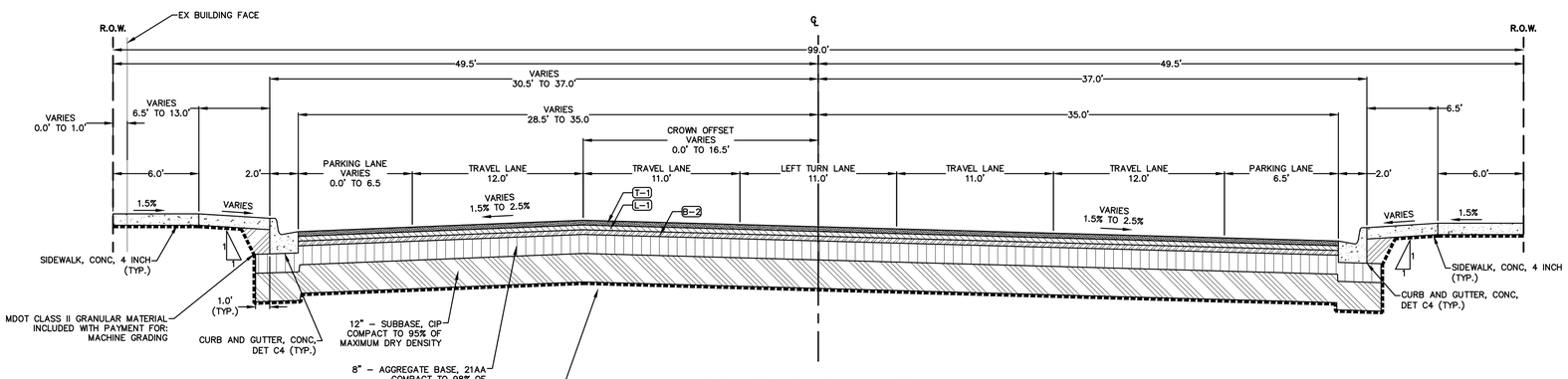
HORZ 1"=5'



PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 9+50 TO 11+50
SCALE: VERT 1"=2.5'
HORZ 1"=5'

HATCH LEGEND

- HMA, 5E1 (TOP COURSE)
- HMA, 4E1 (LEVELING COURSE)
- HMA, 4E1 (BASE COURSE)
- AGGREGATE BASE
- SUBBASE, CIP
- CONCRETE
- GROUND SURFACE
- BRICK PAVERS

HMA APPLICATION TABLE

IDENTIFICATION NO.	MIXTURE	RATE (LBS/SYD)	PERFORMANCE GRADE	TYPE
T-1	5E3	220	64 – 28	TOP COURSE (AWI=260)
L-1	4E3	220	64 – 28	LEVELING COURSE
B-1	4E3	330	64 – 28	BASE COURSE
B-2	4E3	220	64 – 28	BASE COURSE

*HMA BOND COAT 0.05 TO 0.15 GAL/SYD REQUIRED BETWEEN ASPHALT LIFTS. (NOT A PAY ITEM)

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Engineering Architecture Land Surveying

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
PROPOSED
ROADWAY CROSS SECTIONS - 2

DRAWN BY: DRAWNBY
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 5'
VERT: 1" = 2.5'
ACI JOB #
18-1687
SHEET NO.

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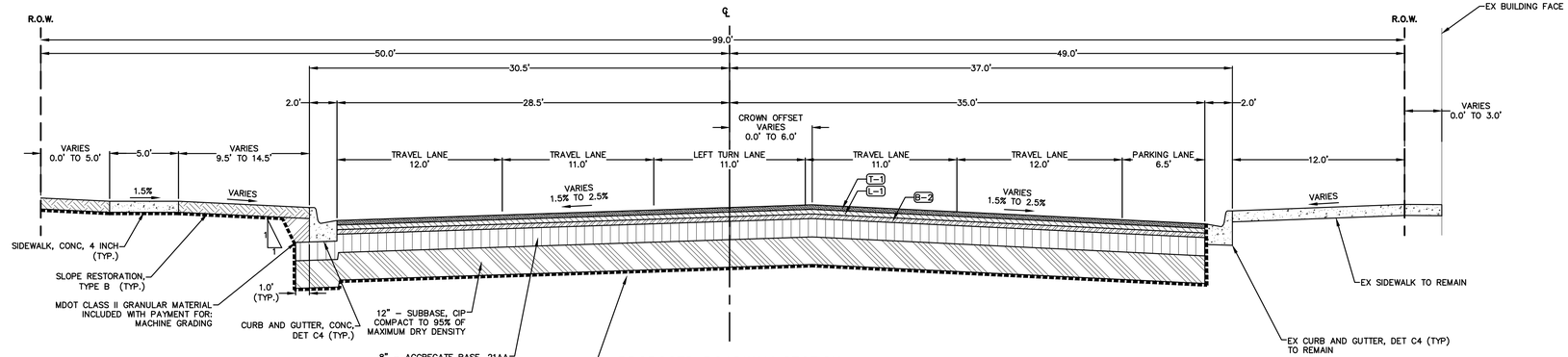
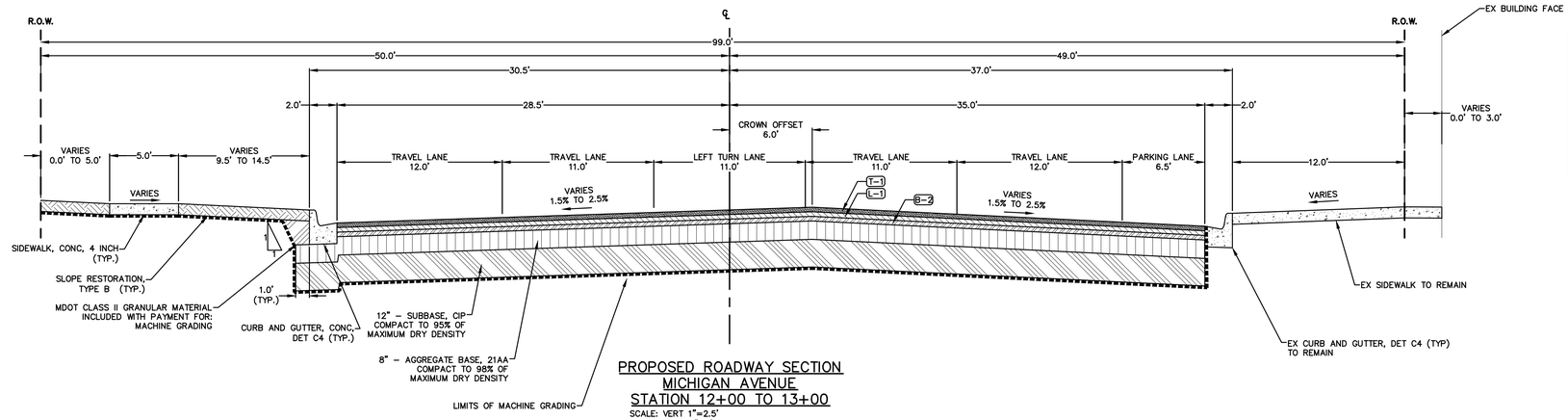
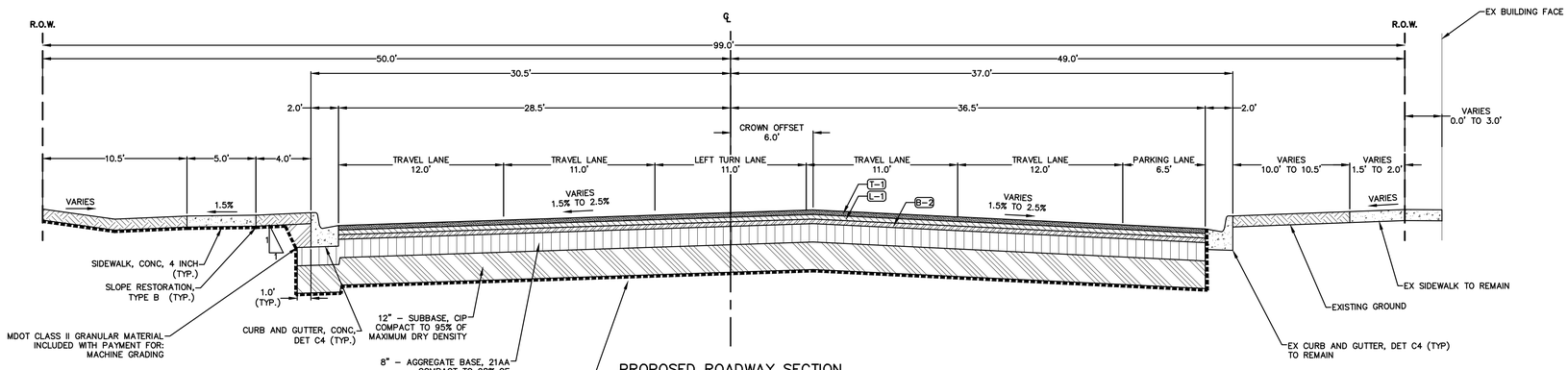


PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 11+50 TO 12+00
SCALE: VERT 1"=2.5'
HORZ 1"=5'



PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 12+00 TO 13+00
SCALE: VERT 1"=2.5'
HORZ 1"=5'



PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 13+00 TO 15+50
SCALE: VERT 1"=2.5'
HORZ 1"=5'

HATCH LEGEND

- HMA, 5E1 (TOP COURSE)
- HMA, 4E1 (LEVELING COURSE)
- HMA, 4E1 (BASE COURSE)
- AGGREGATE BASE
- SUBBASE, CIP
- CONCRETE
- GROUND SURFACE
- BRICK PAVERS

HMA APPLICATION TABLE

IDENTIFICATION NO.	MIXTURE	RATE (LBS/SYD)	PERFORMANCE GRADE	TYPE
T-1	5E3	220	64 – 28	TOP COURSE (AWI=260)
L-1	4E3	220	64 – 28	LEVELING COURSE
B-1	4E3	330	64 – 28	BASE COURSE
B-2	4E3	220	64 – 28	BASE COURSE

*HMA BOND COAT 0.05 TO 0.15 GAL/SYD REQUIRED BETWEEN ASPHALT LIFTS. (NOT A PAY ITEM)

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
PROPOSED
ROADWAY CROSS SECTIONS - 3

DRAWN BY: DRAWNBY
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 5'
VERT: 1" = 2.5'
ACI JOB #
18-1687
SHEET NO.

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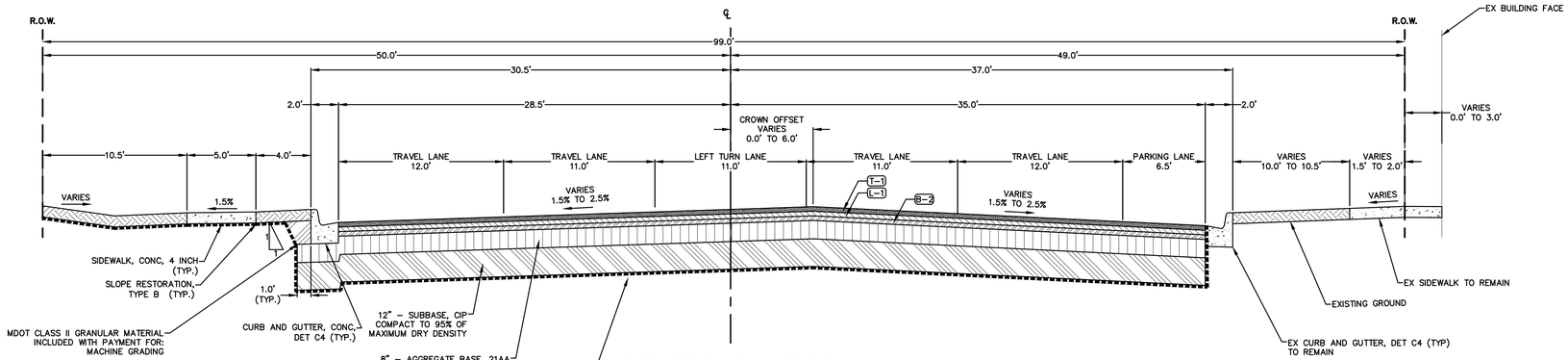
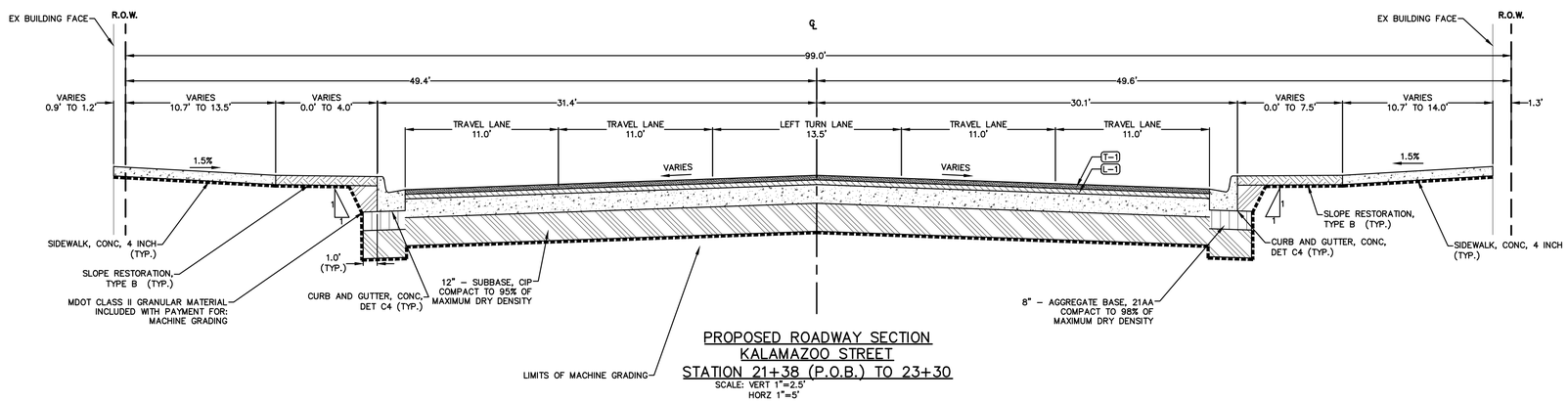


PROPOSED ROADWAY SECTION
MICHIGAN AVENUE
STATION 15+50 TO 16+00 (P.O.E.)
SCALE: VERT 1"=2.5'
HORZ 1"=5'

HATCH LEGEND

- HMA, 5E1 (TOP COURSE)
- HMA, 4E1 (LEVELING COURSE)
- HMA, 4E1 (BASE COURSE)
- AGGREGATE BASE
- SUBBASE, CIP
- CONCRETE
- GROUND SURFACE
- BRICK PAVERS

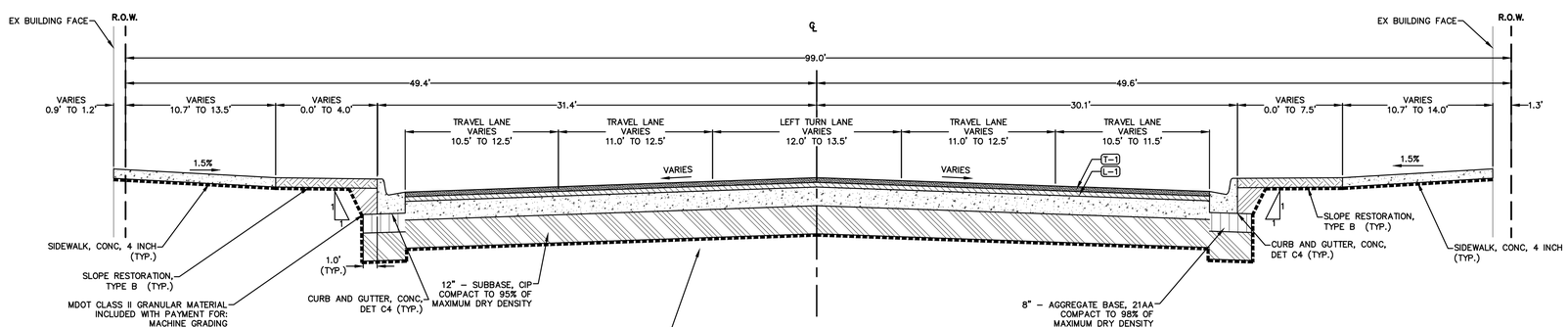


PROPOSED ROADWAY SECTION
KALAMAZOO STREET
STATION 21+38 (P.O.B.) TO 23+30
SCALE: VERT 1"=2.5'
HORZ 1"=5'

HMA APPLICATION TABLE

IDENTIFICATION NO.	MIXTURE	RATE (LBS/SYD)	PERFORMANCE GRADE	TYPE
T-1	5E3	220	64 – 28	TOP COURSE (AWI=260)
L-1	4E3	220	64 – 28	LEVELING COURSE
B-1	4E3	330	64 – 28	BASE COURSE
B-2	4E3	220	64 – 28	BASE COURSE

*HMA BOND COAT 0.05 TO 0.15 GAL/SYD REQUIRED BETWEEN ASPHALT LIFTS.
(NOT A PAY ITEM)



PROPOSED ROADWAY SECTION
KALAMAZOO STREET
STATION 23+30 TO 25+26 (P.O.E.)
SCALE: VERT 1"=2.5'
HORZ 1"=5'

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
PROPOSED
ROADWYA CROSS SECTIONS - 4

DRAWN BY: DRAWNBY
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DATE: AUGUST 2020
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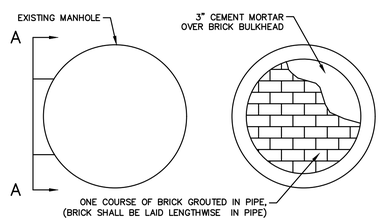
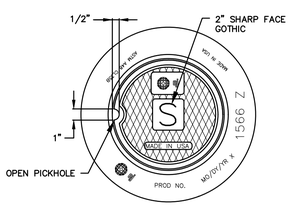


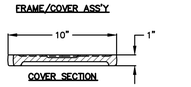
PLAN VIEW SECTION A–A

BULKHEAD DETAIL
NOT TO SCALE

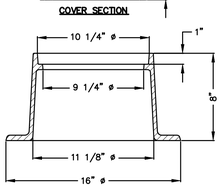


FRAME/COVER ASS'Y

COVER BACK

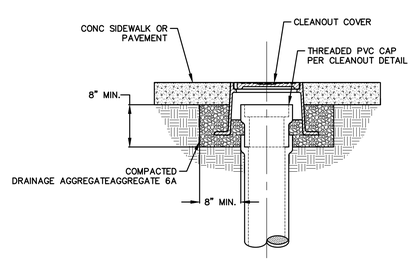


COVER SECTION



COVER SECTION

CLEANOUT COVER DETAIL
NOT TO SCALE



SANITARY CLEANOUT COVER
NOT TO SCALE

STANDARD LEGEND

- CB = CATCH BASIN
- CB = CURB CATCH BASIN
- E = ELECTRIC LOCATION
- EMH = ELECTRIC MANHOLE
- E = ELECTRIC METER
- = FIRE HYDRANT
- FL = FLAG POLE
- FMON = FOUND MONUMENT
- FIP = FOUND IRON PIPE
- FIR = FOUND IRON ROD
- FX = FOUND X
- G = GAS LOCATION
- GMH = GAS MANHOLE
- G = GAS METER
- G = GAS VALVE
- MH = GENERAL MANHOLE
- = GUARD POST
- = GUARDRAIL
- = GUY POLE
- = GUY WIRE
- LP = LIGHT POLE
- = MAIL BOX
- PP = POWER POLE
- PP/D = POWER POLE W/DROP
- CO = SANITARY CLEANOUT
- SMH = SANITARY MANHOLE
- SIR = SET IRON ROD
- = SIGN POST
- XX = SOIL BORING LOCATION
- STMH = STORM MANHOLE
- = STREET SIGN
- T = TELEPHONE LOCATION
- TMH = TELEPHONE MANHOLE
- T = TELEPHONE PEDESTAL
- TP = TELEPHONE POLE
- = TRAFFIC SIGN
- UP = UTILITY POLE
- UP/D = UTILITY POLE W/DROP
- UP/L = UTILITY POLE W/STREET LIGHT
- CS = WATER CURB STOP
- W = WATER LOCATION
- WMH = WATER MANHOLE
- W = WATER METER
- W = WATER VALVE
- W = EXISTING WATER MAIN
- >> >> = EXISTING SANITARY SEWER
- > > = EXISTING STORM SEWER
- = OVERHEAD UTILITIES
- G = GAS MAIN/LINE
- G = ABANDONED GAS MAIN/LINE
- T = BURIED TELEPHONE
- FOC = BURIED FIBER OPTIC
- E = BURIED ELECTRICAL
- = CHAINLINK FENCE
- X X X = WIRE FENCE
- = WOOD FENCE
- PW = PROP WATER MAIN
- WS WS = PROP WATER SERVICE
- SS SS = PROP SANITARY SERVICE
- STS STS = PROP STORM SERVICE
- R/W R/W = RIGHT OF WAY
- X X = UTILITY REMOVAL

GENERAL NOTES:

1. MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2012 EDITION SHALL PREVAIL, UNLESS INDICATED OTHERWISE.
2. AT LEAST THREE WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REQUEST THE LOCATIONS OF ALL UTILITIES BY CALLING MISS DIG. NO WORK SHALL COMMENCE UNTIL THE MISS DIG REQUEST HAS CLEARED.
3. TREES NOT DESIGNATED FOR REMOVAL SHALL BE PROTECTED BY THE CONTRACTOR. DAMAGED TREES SHALL BE RESTORED TO THE ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE. ALL TREES DAMAGED BEYOND SAVING AS DETERMINED BY THE ENGINEER SHALL BE REMOVED AND REPLACED WITH A NURSERY GROWN TREE AS SPECIFIED BY THE ENGINEER.
4. A MINIMUM OF 18" VERTICAL CLEARANCE IS REQUIRED WHERE WATER MAINS OR SERVICES CROSS SANITARY OR STORM SEWERS.
5. A MINIMUM OF 10' HORIZONTAL SEPARATION SHALL BE MAINTAINED WHERE WATER MAINS AND SEWERS RUN PARALLEL OR WHERE WATER MAINS ARE LOCATED ADJACENT TO LEACHING BASINS.
6. ANY EXCESS/UNSUITABLE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.
7. DEWATERING, IF REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA PAYMENT SHALL BE MADE THEREFORE.
8. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH "AS–RECORDED" DRAWINGS OF CONSTRUCTED UTILITIES UPON COMPLETION OF THE PROJECT.
9. REMOVAL OF ABANDONED CONFLICTING UTILITIES SHALL BE CONSIDERED INCLUDED WITH THE ITEM BEING CONSTRUCTED, INCLUDING BULKHEADING ALL PIPES 12" DIA. OR LESS (PIPES IN EXCESS OF 12" DIA. SHALL BE PAID FOR AS A SEWER BULKHEAD, __ INCH).
10. PAY ITEM "DR STRUCTURE, REM" SHALL INCLUDE REMOVAL OF MANHOLES FOR ANY TYPE OF UTILITY.
11. FITTINGS, PIPE EXTENSIONS AND APPURTENANCES NECESSARY TO CONNECT EXISTING PIPES TO PROPOSED MANHOLES, SHALL BE INCLUDED IN THE UNIT PRICE FOR THE PROPOSED STRUCTURE.
12. STOCKPILE REMOVED CASTINGS AND HYDRANTS FOR SALVAGING BY THE UTILITY OWNER. NOTIFY THE OWNER OF THE LOCATION. ANY MATERIALS REFUSED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR TO BE RECYCLED OR DISPOSED OF PROPERLY.
13. UPON WRITTEN APPROVAL FROM THE ENGINEER AND THE OWNERS DISCRETION, PIPES DESIGNATED FOR REMOVAL MAY BE FILLED WITH FLOWABLE FILL AND REMAIN IN PLACE. THE COST FOR FLOWABLE FILL SHALL BE INCLUDED IN COST OF PIPE REMOVAL AND NO ADDITIONAL PAYMENT SHALL BE MADE.
14. WHERE CONCRETE SIDEWALK IS ADJACENT TO THE BACK OF CURB, A 1/2" EXPANSION JOINT SHALL BE PLACED BETWEEN THE CURB AND SIDEWALK. PAYMENT IS INCLUDED IN CONCRETE SIDEWALK.
15. RESTORE DISTURBED AREA WITH SODDING AS SPECIFIED ON PLANS.

ROADWAY:

1. BACKFILL MATERIAL WITHIN THE ZONE OF INFLUENCE OF A ROADWAY SHALL BE CLASS II SAND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY IN 12" MAXIMUM LIFTS.
2. DRIVEWAY OPENINGS SHALL BE MDOT TYPE L OR M PER STANDARD PLAN R–29 SERIES.
3. PAVEMENT DESIGNATED FOR REMOVAL SHALL BE SAWCUT FULL DEPTH AT REMOVAL LIMITS PRIOR TO REMOVAL.
4. CLEAN ADHERED ASPHALT OR CONCRETE MATERIAL FROM NEW DR STRUCTURE COVERS FOLLOWING PAVING WORK.
5. UTILIZE MAINTENANCE GRAVEL AS DIRECTED BY THE ENGINEER IN ORDER TO PROVIDE ACCESS FOR LOCAL TRAFFIC ALONG THE ROADWAY AS WELL AS TO AND FROM DRIVEWAYS. CONDUCT MAINTENANCE GRADING AND COMPACTION OF MAINTENANCE GRAVEL AS DIRECTED BY THE ENGINEER. PAYMENT FOR GRADING AND MAINTENANCE INCLUDED WITH PAYMENT FOR: MAINTENANCE GRAVEL, LM.

STORM SEWER:

1. PROPOSED STORM MANHOLES SHALL BE 4 FEET IN DIAMETER UNLESS NOTED OTHERWISE.
2. UNLESS NOTED OTHERWISE, STORM MANHOLE COVERS SHALL BE MDOT COVER B, MODIFIED BEARING THE LEGEND "STORM SEWER – DUMP NO WASTE – DRAINS TO WATERWAYS".
3. UNLESS NOTED OTHERWISE, CURB CATCH BASIN COVERS SHALL BE MDOT COVER K, MODIFIED BEARING THE LEGEND "STORM SEWER – DUMP NO WASTE – DRAINS TO WATERWAYS".
4. ALL CONNECTIONS OF NEW STORM SEWER TO EXISTING STORM SEWER SHALL BE CONSIDERED INCLUDED IN THE COST OF FURNISHING THE NEW STORM SEWER.
5. SEE STRUCTURE NOTES ON PLAN SHEETS FOR SUMP CONFIGURATION. MANHOLES WITH TWO OR MORE INVERTS SHALL BE FURNISHED WITH FLOW LINE AND BENCH IN ACCORDANCE WITH MDOT STANDARD PLANS R–1 SERIES.

MDOT STANDARD PLANS

R–1–G	DRAINAGE STRUCTURES
R–7–F	COVER B
R–9–D	COVER D
R–15–G*	COVER K
R–18–F	COVER Q
R–28–J*	SIDEWALK RAMP AND DETECTABLE WARNING DETAILS
R–29–I	DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS
R–30–G	CONCRETE CURB AND CONCRETE CURB & GUTTER
R–83–C	UTILITY TRENCHES
R–96–E	SOIL EROSION & SEDIMENTATION CONTROL MEASURES
R–100–H	SEEDING AND TREE PLANTING

TRAFFIC AND SAFETY STANDARD PLANS

WZD–100–A	GROUND DRIVEN SIGN SUPPORTS FOR TEMPORARY SIGNS*
WZD–125–E	TEMPORARY TRAFFIC CONTROL DEVICES*

* DENOTES SPECIAL DETAIL

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
STANDARD DETAILS AND NOTES - 1

DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
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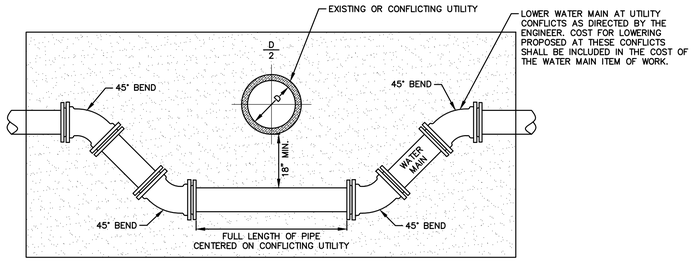
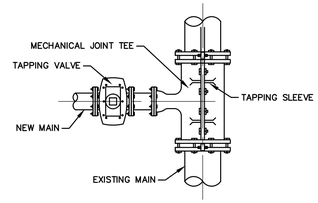
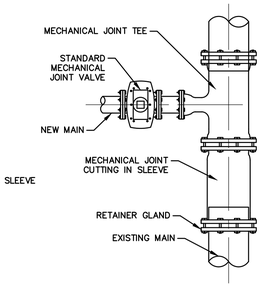


UTILITY CROSSING DETAIL
NOT TO SCALE



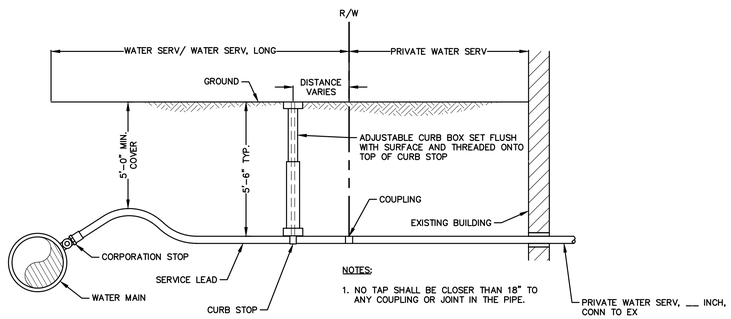
WET TAP METHOD
(UNDER PRESSURE)
CONNECTING NEW MAIN TO EXISTING MAIN
NOT TO SCALE



DRY TAP METHOD
CONNECTING NEW MAIN TO EXISTING MAIN
NOT TO SCALE

WATER MAIN:

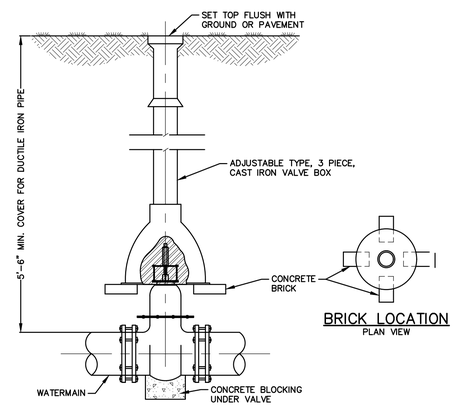
1. THE CONTRACTOR SHALL GIVE 48 HOURS NOTICE TO THE VILLAGE TO REQUEST A WATER SERVICE SHUTOFF. THE VILLAGE SHALL DETERMINE THE TIME & DURATION OF THE SHUTOFF.
2. THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE FOR OPERATION OF WATER VALVES.
3. INSTALL ALL WATER MAINS AND APPURTENANCES PER AWWA C600.
4. ALL NEWLY INSTALLED WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 5'–6" OF COVER. FIRE HYDRANT ASSEMBLIES SHALL BE ADJUSTED TO PROVIDE 20"–32" FROM FINISHED GRADE TO CENTERLINE OF NOZZLE.
5. WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL THE APPROPRIATE TESTING AND DISINFECTION IS COMPLETE AND APPROVED BY THE VILLAGE. DISINFECT THE WATER MAIN IN ACCORDANCE AWWA C651 AND MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY.
6. WATER MAIN FLUSHING SHALL PROVIDE A MINIMUM OF 3.0 FEET PER SECOND OF FLOW AT ALL TIMES.
7. AVOID PLACING CURB STOPS AND METER PITS WITHIN PAVED AREAS. WHERE METER PITS MUST BE INSTALLED IN PAVED AREAS, FURNISH WITH TRAFFIC BEARING STRUCTURE AND COVER.



NOTES:

1. NO TAP SHALL BE CLOSER THAN 18" TO ANY COUPLING OR JOINT IN THE PIPE.

SERVICE LINE DETAIL
NOT TO SCALE



BRICK LOCATION
PLAN VIEW

TYPICAL GATE VALVE & VALVE BOX
NOT TO SCALE

LENGTH OF WATERMAIN TO BE RESTRAINED IN FEET

VERTICAL DOWN BEND TABLE

BEND ANGLE (DEGREES)	PIPE DIAMETER					
	4"	6"	8"	10"	12"	16"
11.25	3	4	5	6	7	9
22.5	6	8	10	12	14	18
45.0	11	16	21	25	29	37
90.0	27	37	49	59	69	89

VERTICAL UP BEND TABLE

BEND ANGLE (DEGREES)	PIPE DIAMETER					
	4"	6"	8"	10"	12"	16"
11.25	2	2	2	3	3	4
22.5	3	3	4	5	6	7
45.0	5	6	8	10	12	15
90.0	11	15	19	23	27	35

TEE CONNECTION TABLE

RUN DIAMETER	BRANCH DIAMETER					
	4"	6"	8"	10"	12"	16"
4"	19	32	45	55	67	87
6"	15	29	43	54	65	86
8"	12	27	41	52	64	85
10"	8	24	39	51	63	84
12"	4	22	37	49	61	83

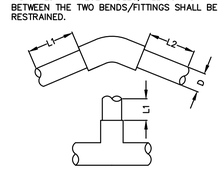
HORIZONTAL BEND TABLE

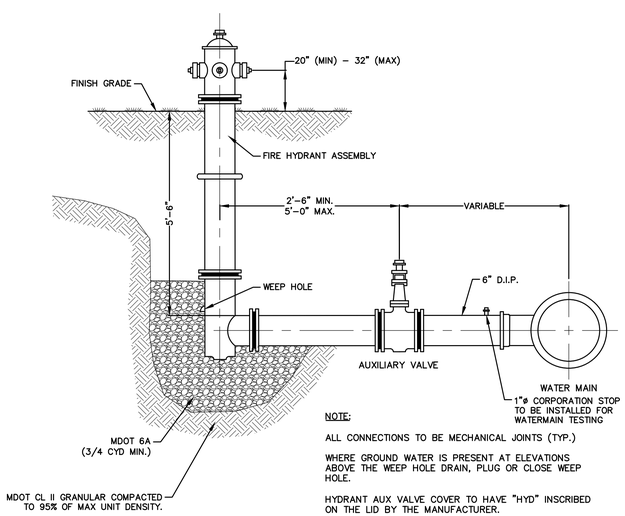
BEND ANGLE (DEGREES)	PIPE DIAMETER					
	4"	6"	8"	10"	12"	16"
11.25	2	2	2	3	3	4
22.5	3	3	4	5	6	7
45.0	5	6	8	10	12	15
90.0	11	15	19	23	27	35

REDUCER CONNECTION TABLE

SIZE	RESTRAINED LENGTH
6"x8"	21
8"x10"	20
8"x12"	37

WHERE DISTANCE BETWEEN ADJACENT BENDS OR FITTINGS IS LESS THAN THE RESTRAINED LENGTH INDICATED IN THESE TABLES, ALL JOINTS BETWEEN THE TWO BENDS/FITTINGS SHALL BE RESTRAINED.





NOTE:

ALL CONNECTIONS TO BE MECHANICAL JOINTS (TYP.)

WHERE GROUND WATER IS PRESENT AT ELEVATIONS ABOVE THE WEEP HOLE DRAIN, PLUG OR CLOSE WEEP HOLE.

HYDRANT AUX VALVE COVER TO HAVE "HYD" INSCRIBED ON THE LID BY THE MANUFACTURER.

STANDARD FIRE HYDRANT CONNECTION
NOT TO SCALE

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SHEET TITLE:
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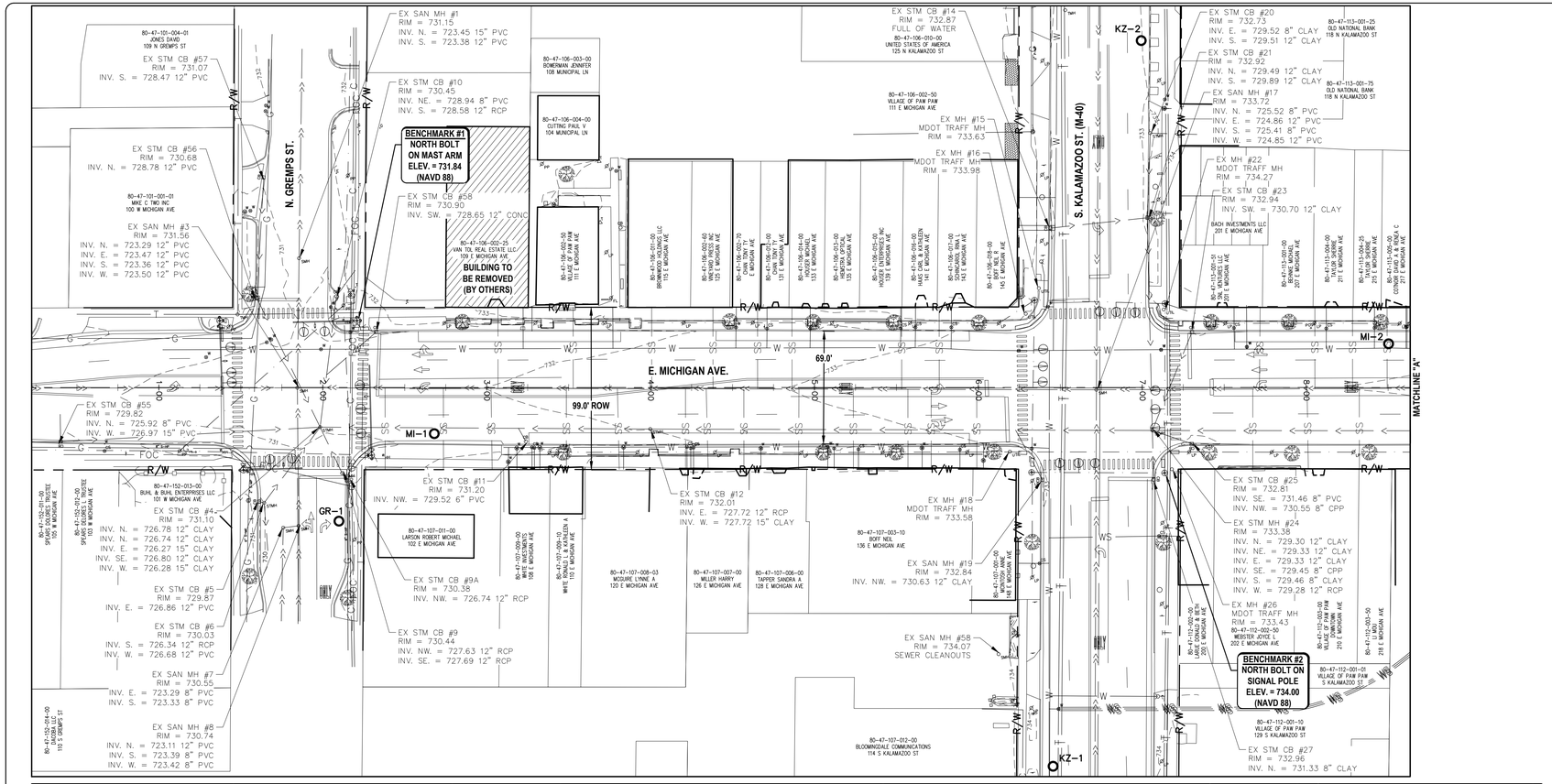
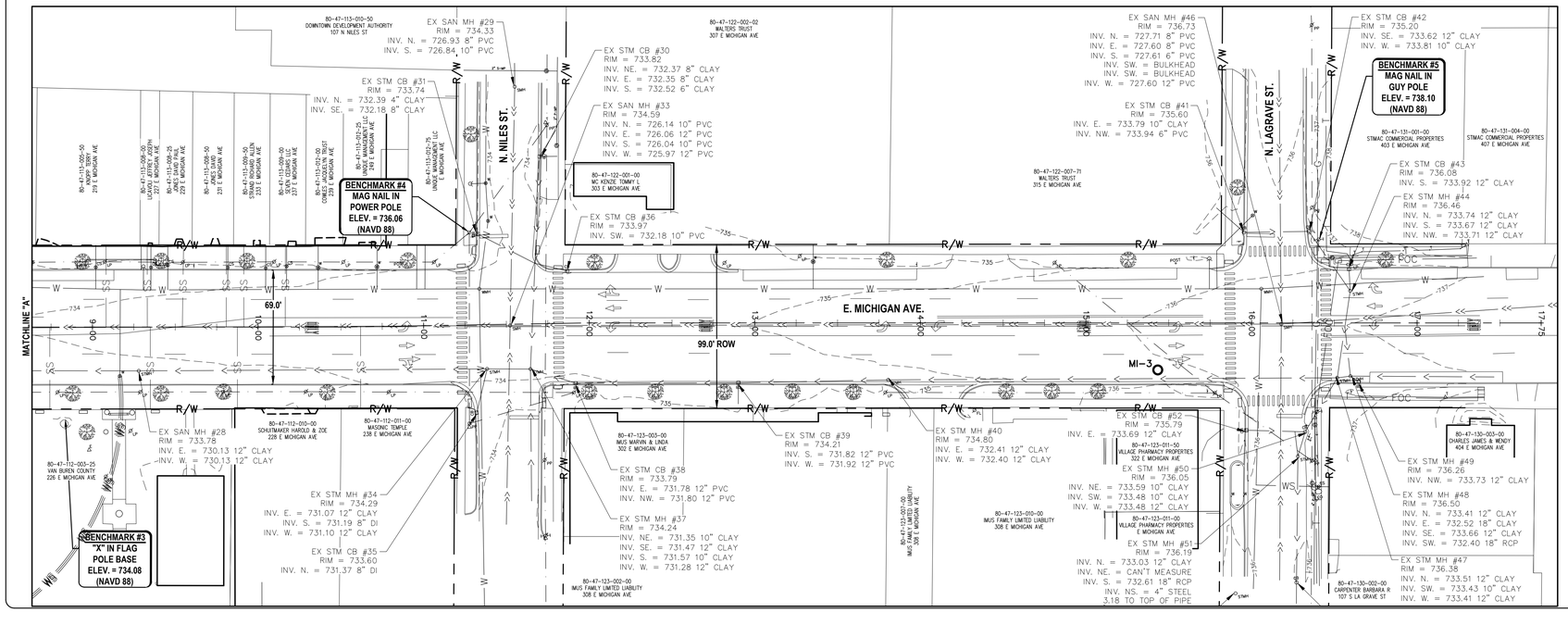
10 of 39





GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

ABONMARCHE

95 West Main Street
Benton Harbor, MI. 49023
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PROJECT:

MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:

EXISTING CONDITIONS

DRAWN BY: DJL

DESIGNED BY: JG/EK

PM REVIEW: DAD

QA/QC REVIEW:

DATE: AUGUST 2020

SEAL:

SIGNATURE:

DATE:

SCALE:
HORZ: 1" = 40'
VERT: N/A

ACI JOB #
18-1687

SHEET NO.
11 of 39

Project Name: Michigan Avenue Reconstruction Project
Project Location: Gremps Street to Lagrave Street
Village of Paw Paw, Michigan
G2 Project No. 200393
Latitude: 42.217668° Longitude: -85.892387°

Soil Boring No. MI-1

CONSULTING GROUP

SUBSURFACE PROFILE — GROUND SURFACE ELEVATION: N/A

- 0.0 – 0.4: Bituminous Concrete (2 inches)
- 0.4 – 0.8: Natural Aggregate Base: Brown Sand and Gravel with trace silt (3 inches)
- 0.8 – 1.3: Portland Cement Concrete (5 inches)
- 1.3 – 3.0: Natural Aggregate Base: Brown Sand and Gravel with trace silt (6 inches)
- 3.0 – 15.0: Loose Brown Silty Sand with trace gravel; Loose Brown Sand with trace silt and gravel
- 15.0: End of Boring @ 15 ft

SOIL SAMPLE DATA

SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
S-1	3 3 5	8			
S-2	2 2 3	5			
S-3	3 4 4	8			
S-4	3 4 4	8			
S-5	1 2 4	6			

Total Depth: 15 ft
Drilling Date: May 19, 2020
Inspector: R. Carpus
Contractor: Triple R Drilling, LLC
Driller: R. Rau

Water Level Observation:
9 feet during and upon completion

Notes:
Boring performed in front of 102 W. Michigan Avenue
Borehole collapsed at 9 ft after auger removal

Drilling Method:
6-inch diameter diamond tipped core barrel; 2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure:
Backfilled with auger cuttings, pavement core replaced, and capped with cold patch

Figure No. 1

SOIL / PAVEMENT BORING: 200393.GPJ 20150116 G2 CONSULTING DATA TEMPLATE.GDT 6/5/20

Project Name: Michigan Avenue Reconstruction Project
Project Location: Gremps Street to Lagrave Street
Village of Paw Paw, Michigan
G2 Project No. 200393
Latitude: 42.217688° Longitude: -85.890238°

Soil Boring No. MI-2

CONSULTING GROUP

SUBSURFACE PROFILE — GROUND SURFACE ELEVATION: N/A

- 0.0 – 0.4: Bituminous Concrete (5 inches)
- 0.4 – 1.1: Natural Aggregate Base: Brown Sand and Gravel with trace silt (8 inches)
- 1.1 – 10.0: Loose to Medium Compact Brown Silty Sand with trace gravel, mild to strong petroleum odor increasing with depth
- 10.0 – 15.0: Medium Compact Brown Sand with trace gravel
- 15.0: End of Boring @ 15 ft

SOIL SAMPLE DATA

SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
S-1	2 3 3	6			
S-2	3 3 3	6			
S-3	4 4 4	8			
S-4	4 5 6	11			
S-5	3 5 6	11			

Total Depth: 15 ft
Drilling Date: May 19, 2020
Inspector: R. Carpus
Contractor: Triple R Drilling, LLC
Driller: R. Rau

Water Level Observation:
10 feet during and upon completion

Notes:
Boring performed in front of 215 E. Michigan Avenue
Borehole collapsed at 10 ft after auger removal

Drilling Method:
6-inch diameter diamond tipped core barrel; 2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure:
Backfilled with auger cuttings, pavement core replaced, and capped with cold patch

Figure No. 2

SOIL / PAVEMENT BORING: 200393.GPJ 20150116 G2 CONSULTING DATA TEMPLATE.GDT 6/5/20

Project Name: Michigan Avenue Reconstruction Project
Project Location: Gremps Street to Lagrave Street
Village of Paw Paw, Michigan
G2 Project No. 200393
Latitude: 42.217383° Longitude: -85.887746°

Soil Boring No. MI-3

CONSULTING GROUP

SUBSURFACE PROFILE — GROUND SURFACE ELEVATION: N/A

- 0.0 – 0.5: Bituminous Concrete (6 inches)
- 0.5 – 1.3: Portland Cement Concrete (9 inches)
- 1.3 – 4.0: Fill: Loose Brown Clayey Sand
- 4.0 – 6.5: Very Loose Black Silty Sand with trace gravel, moderate petroleum odor
- 6.5 – 8.5: Loose Brown Sand with trace gravel, strong petroleum odor
- 8.5 – 12.0: Loose Brown Sand with trace gravel, occasional very soft black sandy clay clods, strong petroleum odor
- 12.0 – 15.0: Medium Compact Gravelly Brown Sand with trace silt
- 15.0: End of Boring @ 15 ft

SOIL SAMPLE DATA

SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
S-1	2 2 3	5			
S-2	4 1 1	2			
S-3	3 4 4	8			
S-4	2 3 3	6			
S-5	5 6 5	11			

Total Depth: 15 ft
Drilling Date: May 19, 2020
Inspector: R. Carpus
Contractor: Triple R Drilling, LLC
Driller: R. Rau

Water Level Observation:
4 feet during and upon completion

Notes:
Boring performed in front of 322 E. Michigan Avenue
Borehole collapsed at 4-1/2 ft after auger removal

Drilling Method:
6-inch diameter diamond tipped core barrel; 2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure:
Backfilled with auger cuttings, pavement core replaced, and capped with cold patch

Figure No. 3

SOIL / PAVEMENT BORING: 200393.GPJ 20150116 G2 CONSULTING DATA TEMPLATE.GDT 6/5/20

Project Name: Michigan Avenue Reconstruction Project
Project Location: Gremps Street to Lagrave Street
Village of Paw Paw, Michigan
G2 Project No. 200393
Latitude: 42.217042° Longitude: -85.891092°

Soil Boring No. KZ-1

CONSULTING GROUP

SUBSURFACE PROFILE — GROUND SURFACE ELEVATION: N/A

- 0.0 – 0.3: Bituminous Concrete (4 inches)
- 0.3 – 1.0: Portland Cement Concrete (8 inches)
- 1.0 – 1.3: Natural Aggregate Base: Brown Sand and Gravel with trace silt (6 inches)
- 1.3 – 3.0: Very Loose Brown Silty Sand with trace gravel
- 3.0 – 10.0: Loose to Medium Compact Brown Silty Sand with trace gravel
- 10.0: End of Boring @ 10 ft

SOIL SAMPLE DATA

SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
S-1	2 1 2	3			
S-2	4 4 4	8			
S-3	4 5 6	11			
S-4	3 4 4	8			

Total Depth: 10 ft
Drilling Date: May 19, 2020
Inspector: R. Carpus
Contractor: Triple R Drilling, LLC
Driller: R. Rau

Water Level Observation:
Dry during and upon completion

Notes:
Boring performed in front of 114 S. Kalamazoo Street

Drilling Method:
6-inch diameter diamond tipped core barrel; 2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure:
Backfilled with auger cuttings, pavement core replaced, and capped with cold patch

Figure No. 4

SOIL / PAVEMENT BORING: 200393.GPJ 20150116 G2 CONSULTING DATA TEMPLATE.GDT 6/5/20

Project Name: Michigan Avenue Reconstruction Project
Project Location: Gremps Street to Lagrave Street
Village of Paw Paw, Michigan
G2 Project No. 200393
Latitude: 42.218242° Longitude: -85.890761°

Soil Boring No. KZ-2

CONSULTING GROUP

SUBSURFACE PROFILE — GROUND SURFACE ELEVATION: N/A

- 0.0 – 0.3: Bituminous Concrete (3 inches)
- 0.3 – 0.8: Portland Cement Concrete (7 inches)
- 0.8 – 1.0: Natural Aggregate Base: Brown Sand and Gravel with trace silt (2 inches)
- 1.0 – 8.0: Very Loose to Loose Brown Silty Sand with trace gravel
- 8.0 – 10.0: Loose Brown Sand with trace silt and gravel
- 10.0: End of Boring @ 10 ft

SOIL SAMPLE DATA

SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
S-1	2 1 1	2			
S-2	1 2 3	5			
S-3	2 3 4	7			
S-4	3 3 4	7			

Total Depth: 10 ft
Drilling Date: May 19, 2020
Inspector: R. Carpus
Contractor: Triple R Drilling, LLC
Driller: R. Rau

Water Level Observation:
4-1/2 feet during and upon completion

Notes:
Boring performed in front of 118 N. Kalamazoo Street
Borehole collapsed at 6 ft after auger removal

Drilling Method:
6-inch diameter diamond tipped core barrel; 2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure:
Backfilled with auger cuttings, pavement core replaced, and capped with cold patch

Figure No. 5

SOIL / PAVEMENT BORING: 200393.GPJ 20150116 G2 CONSULTING DATA TEMPLATE.GDT 6/5/20

Project Name: Michigan Avenue Reconstruction Project
Project Location: Gremps Street to Lagrave Street
Village of Paw Paw, Michigan
G2 Project No. 200393
Latitude: 42.217501° Longitude: -85.892665°

Soil Boring No. GR-1

CONSULTING GROUP

SUBSURFACE PROFILE — GROUND SURFACE ELEVATION: N/A

- 0.0 – 0.6: Bituminous Concrete (7 inches)
- 0.6 – 1.3: Natural Aggregate Base: Brown Sand and Gravel with trace silt (8 inches)
- 1.3 – 2.5: Medium Compact Brown Gravelly Sand with trace silt
- 2.5 – 9.0: Loose Brown Sand with trace silt and gravel
- 9.0 – 10.0: Loose Brown Sand with trace gravel
- 10.0: End of Boring @ 10 ft

SOIL SAMPLE DATA

SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
S-1	6 6 7	13			
S-2	2 3 4	7			
S-3	2 4 4	8			
S-4	2 3 3	6			

Total Depth: 10 ft
Drilling Date: May 19, 2020
Inspector: R. Carpus
Contractor: Triple R Drilling, LLC
Driller: R. Rau

Water Level Observation:
9 feet during and upon completion

Notes:
Boring performed on west side of 102 W. Michigan Avenue
Borehole collapsed at 9 ft after auger removal

Drilling Method:
6-inch diameter diamond tipped core barrel; 2-1/4 inch inside diameter hollow-stem auger

Excavation Backfilling Procedure:
Backfilled with auger cuttings, pavement core replaced, and capped with cold patch

Figure No. 6

SOIL / PAVEMENT BORING: 200393.GPJ 20150116 G2 CONSULTING DATA TEMPLATE.GDT 6/5/20

NO.	REVISION DESCRIPTION:	BY:	DATE:

ABONMARCHE
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abonmarche.com
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Fort Wayne
Kalamazoo
Hobart
Lafayette
Portage
South Bend
South Haven
Valparaiso
Engineering Architecture Land Surveying

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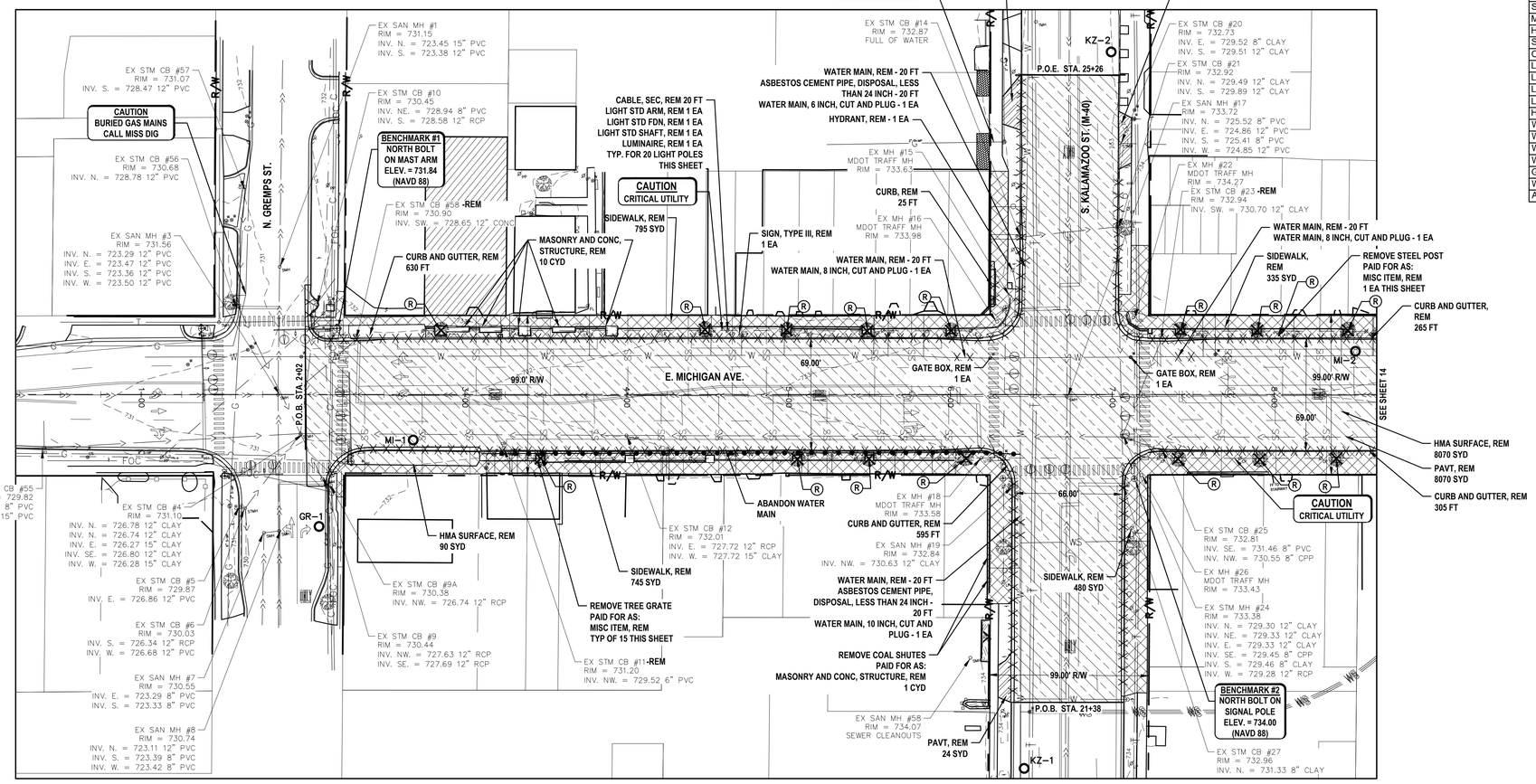
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
BORING LOGS - 1

DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: N/A
VERT: N/A
ACI JOB # 18-1687
SHEET NO. 12 of 39



Item Description	Unit	Sht 13 Quantity
Tree, Rem, 6 inch to 18 inch	Ea	15
Dr Structure, Rem	Ea	3
Curb and Gutter, Rem	Ft	1795
Curb, Rem	Ft	25
Masonry and Conc Structure, Rem	Cyd	11
Pavt, Rem	Syd	8161
Sidewalk, Rem	Syd	2355
Misc Item, Rem	Ea	16
HMA Surface, Rem	Syd	8160
Sign, Type III, Rem	Ea	1
Cable, Sec, Rem	Ft	400
Light Std Arm, Rem	Ea	20
Light Std Fdn, Rem	Ea	20
Light Std Shaft, Rem	Ea	20
Luminaire, Rem	Ea	20
Hydrant, Rem	Ea	1
Water Main, 6 inch, Cut and Plug	Ea	1
Water Main, 8 inch, Cut and Plug	Ea	2
Water Main, 10 inch, Cut and Plug	Ea	1
Water Main, Rem	Ft	80
Gate Box, Rem	Ea	2
Water Main, Abandon	LSUM	1
Asbestos Cement Pipe, Disposal, Less Than 24 inch	Ft	40

NOTE:

1. EXISTING SURFACE MOUNTED PLANTERS TO BE REMOVED AND SALVAGED BY THE VILLAGE. COORDINATE WITH VILLAGE PRIOR TO CONSTRUCTION.
2. TREE REMOVALS HAVE TO BE COMPLETED BY MARCH 31ST.

LEGEND

- SIDEWALK, REM
- HMA SURFACE, REM. AND PAVT, REM
- DRIVEWAY, REM (PAID FOR AS PAVT, REM)
- MISC ITEM, REM
- CURB AND GUTTER, REM
- TREE, REM
- ABANDON UTILITY
- UTILITY, REM

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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95 West Main Street
Benton Harbor, MI. 49023
P 269.927.0022
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Hobart
Lafayette
Portage
South Bend
Traverse City
Valparaiso
Engineering Architecture Land Surveying

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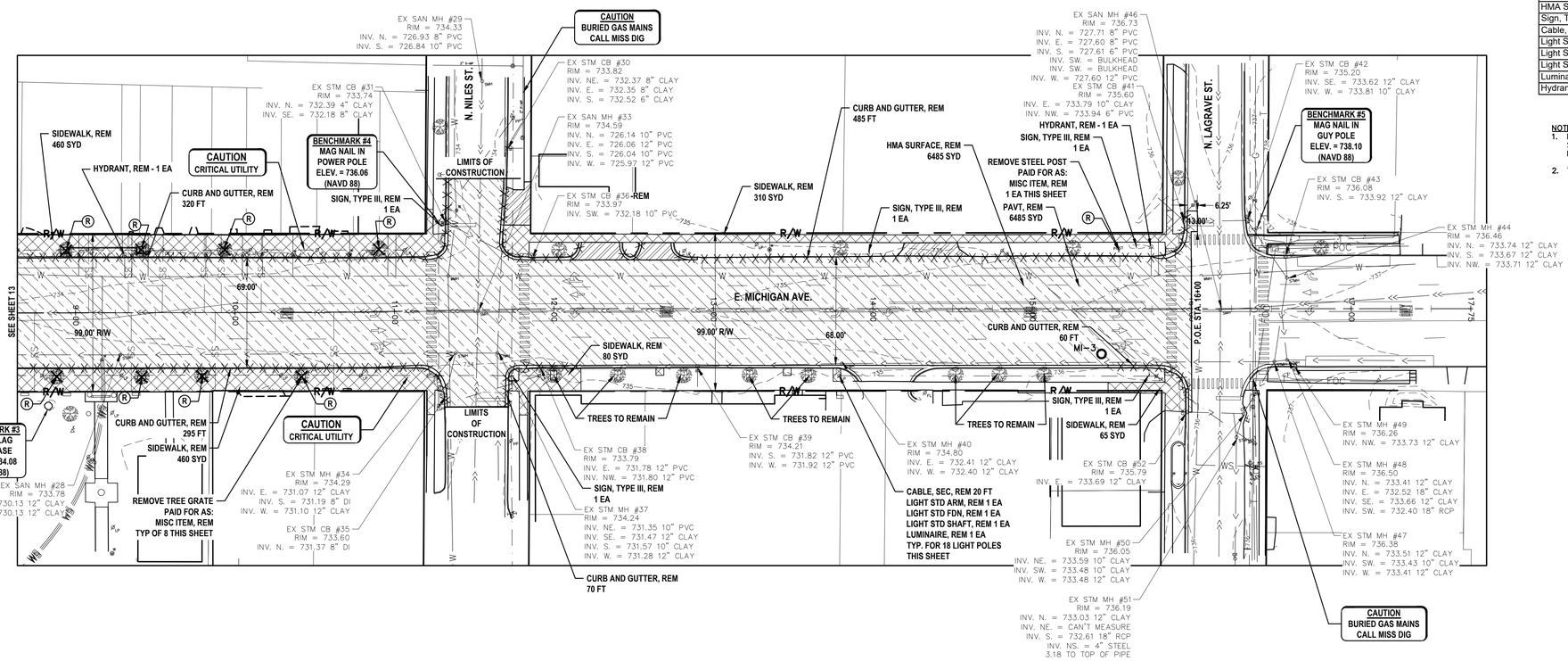
PROJECT:

MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:

REMOVAL PLAN - 1

DRAWN BY: EJK
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 40'
VERT: N/A
ACI JOB #
18-1687
SHEET NO.
13 of 39



Item Description	Unit	Sht 14 Quantity
Tree, Rem, 6 inch to 18 inch	Ea	8
Dr Structure, Rem	Ea	2
Curb and Gutter, Rem	Ft	1230
Pavt, Rem	Syd	6635
Sidewalk, Rem	Syd	1375
Misc Item, Rem	Ea	9
HMA Surface, Rem	Syd	6485
Sign, Type III, Rem	Ea	5
Cable, Sec, Rem	Ft	360
Light Std Arm, Rem	Ea	18
Light Std Fdn, Rem	Ea	18
Light Std Shaft, Rem	Ea	18
Luminaire, Rem	Ea	18
Hydrant, Rem	Ea	2

NOTE:
1. EXISTING SURFACE MOUNTED PLANTERS TO BE REMOVED AND SALVAGED BY THE VILLAGE. COORDINATE WITH VILLAGE PRIOR TO CONSTRUCTION.
2. TREE REMOVALS HAVE TO BE COMPLETED BY MARCH 31ST.

DRIVEWAY REMOVALS	
STATION	PAVT, REM, (SYD)
11+69 L	45
12+29 L	35
12+66 L	30
14+37 L	40
TOTAL	150

LEGEND

- SIDEWALK, REM
- HMA SURFACE, REM. AND PAVT, REM
- DRIVEWAY, REM (PAID FOR AS PAVT, REM)
- MISC ITEM, REM
- CURB AND GUTTER, REM
- TREE, REM
- ABANDON UTILITY
- UTILITY, REM

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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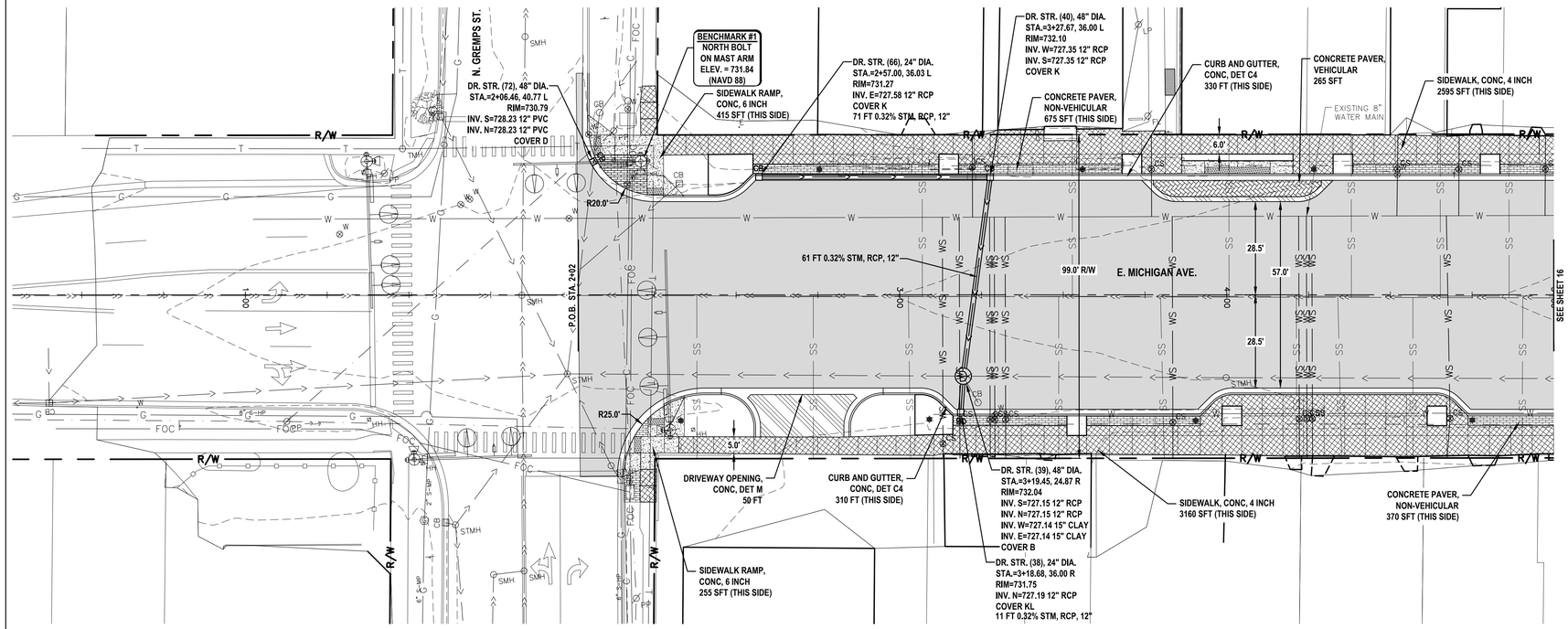
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
REMOVAL PLAN - 2

DRAWN BY: EJK
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 40'
VERT: N/A
ACI JOB # 18-1687
SHEET NO. 14 of 39

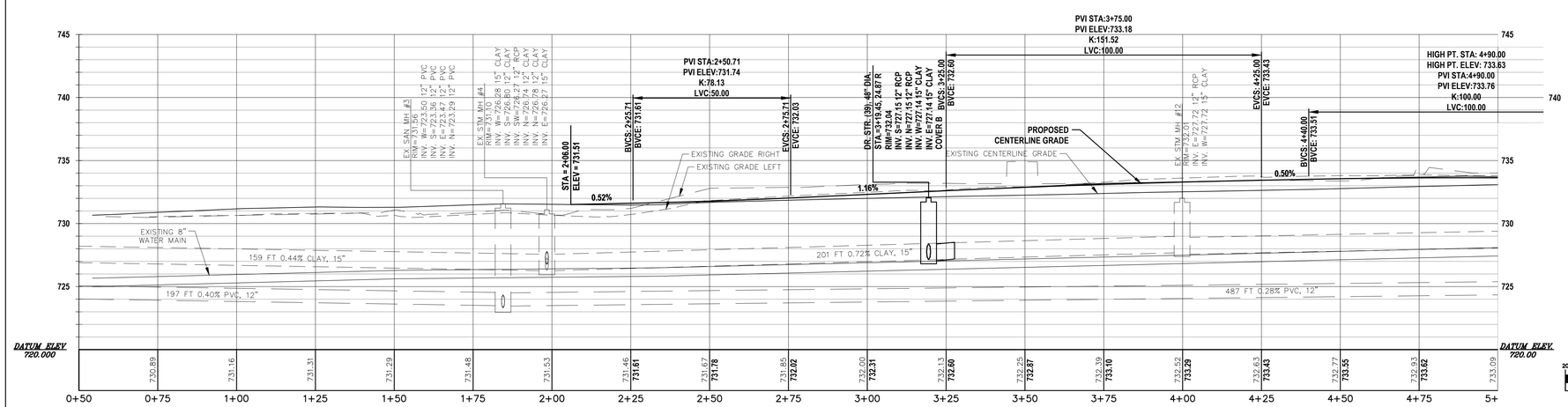
o:\Projects\2018\18-1687 village of paw paw - streetscape\CADD_Civil\Drawings\18-1687 BMI.dwg BM-2, 8/7/2020 9:39:16 AM, ekemps, 1:1



Item Description	Unit	Sht 15 Quantity
Machine Grading	Sta	3
Subbase, CIP	Cyd	950
Aggregate Base, 8 inch	Syd	2425
Sewer, Cl IV, 12 inch, Tr Det B	Ft	143
Dr Structure Cover, Adj, Case 1	Ea	5
Dr Structure Cover, Type B	Ea	5
Dr Structure Cover, Type K	Ea	4
Dr Structure Cover, Type KL, Modified	Ea	1
Dr Structure, 24 inch dia	Ea	2
Dr Structure, 48 inch dia	Ea	3
HMA, 4E3	Ton	700
HMA, 5E3	Ton	280
HMA Approach	Ton	30
Conc Pavt, Nonreinf, 8 inch	Syd	51
Curb and Gutter, Conc, Det C4	Ft	640
Driveway Opening, Conc, Det M	Ft	50
Detectable Warning Surface	Ft	40
Curb Ramp Opening, Conc	Ft	72
Sidewalk Ramp, Conc, 6 inch	Sft	670
Sidewalk, Conc, 4 inch	Sft	5755
Concrete Paver, Non-Vehicular	Sft	1045
Concrete Paver, Vehicular	Sft	265
Water Serv	Ea	5
Water Serv, Long	Ea	9
Private Water Serv	Ft	168
Curb Stop and Box	Ea	14
Private Water Serv, Conn to Ex	Ea	14

LEGEND

- DRIVEWAY, NONREINF CONC, 8 INCH
- SIDEWALK, CONC, 4 INCH
- SIDEWALK RAMP, ADA
- PROFILE STRUCTURE & PIPE REMOVALS
- PROPOSED ADA TACTILE WARNING AREA
- BRICK
- PLAN SEWER REMOVALS



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

ABONMARCHE
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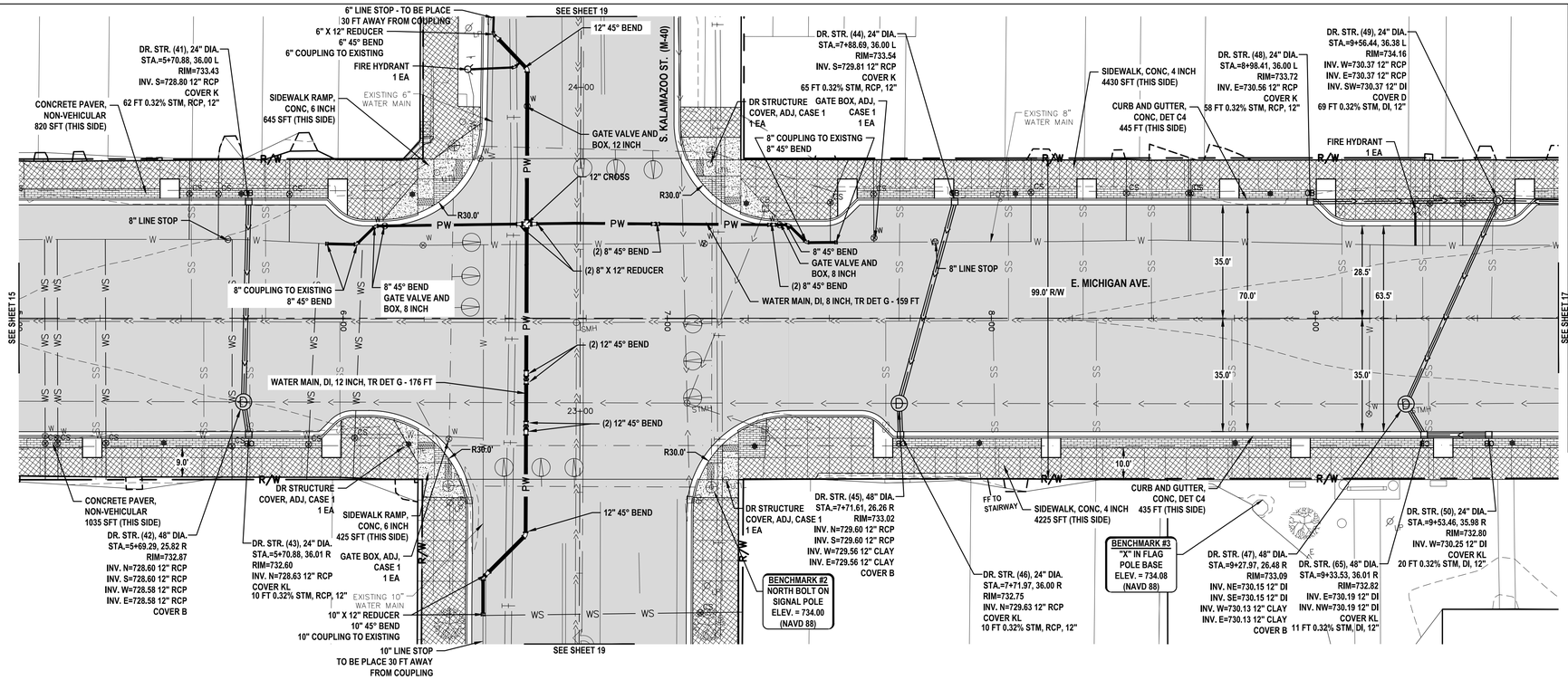
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
PROPOSED PLAN AND PROFILE
MICHIGAN AVE
STA. 2+02 (P.O.B.) TO STA. 5+00

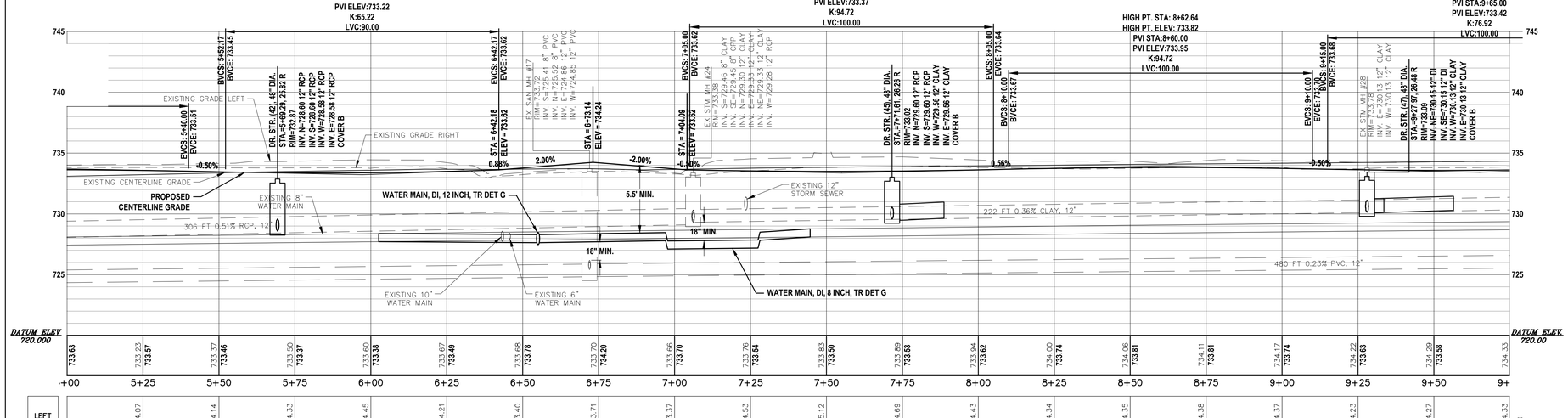
DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 20'
VERT: 1" = 5'
ACI JOB #
18-1687
SHEET NO.
15 of 39



Item Description	Unit	Sht 16 Quantity
Machine Grading	Sta	5
Subbase, CIP	Cyd	1610
Aggregate Base, 8 inch	Syd	4180
Sewer, Cl IV, 12 inch, Tr Det B	Ft	236
Dr Structure Cover, Adj, Case 1	Ea	8
Dr Structure Cover, Type B	Ea	6
Dr Structure Cover, Type D	Ea	1
Dr Structure Cover, Type K	Ea	5
Dr Structure Cover, Type KL, Modified	Ea	4
Dr Structure, Cover, Type Q	Ea	1
Dr Structure, 24 inch dia	Ea	6
Dr Structure, 48 inch dia	Ea	5
HMA, 4E3	Ton	1090
HMA, 5E3	Ton	485
Curb and Gutter, Conc, Det C4	Ft	880
Detectable Warning Surface	Ft	40
Curb Ramp Opening, Conc	Ft	89
Sidewalk Ramp, Conc, 6 inch	Sft	1070
Sidewalk, Conc, 4 inch	Sft	8655
Concrete Paver, Non-Vehicular	Sft	1855
Fire Hydrant	Ea	2
Gate Valve and Box, 8 inch	Ea	2
Gate Valve and Box, 12 inch	Ea	1
Water Main, DI, 6 inch, Tr Det G	Ft	6
Water Main, DI, 8 inch, Tr Det G	Ft	159
Water Main, DI, 10 inch, Tr Det G	Ft	10
Water Main, DI, 12 inch, Tr Det G	Ft	176
Water Serv	Ea	10
Water Serv, Long	Ea	6
Gate Box, Adj, Case 1	Ea	2
Private Water Serv	Ft	192
Line Stop, 10 inch	Ea	1
Line Stop, 6 inch	Ea	1
Line Stop, 8 inch	Ea	2
Curb Stop and Box	Ea	16
Private Water Serv, Conn to Ex	Ea	16

LEGEND

- DRIVEWAY, NONREINF CONC, 8 INCH
- SIDEWALK, CONC, 4 INCH
- SIDEWALK RAMP, ADA
- PROFILE STRUCTURE & PIPE REMOVALS
- PROPOSED ADA TACTILE WARNING AREA
- BRICK
- PLAN SEWER REMOVALS



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

ABONMARCHE
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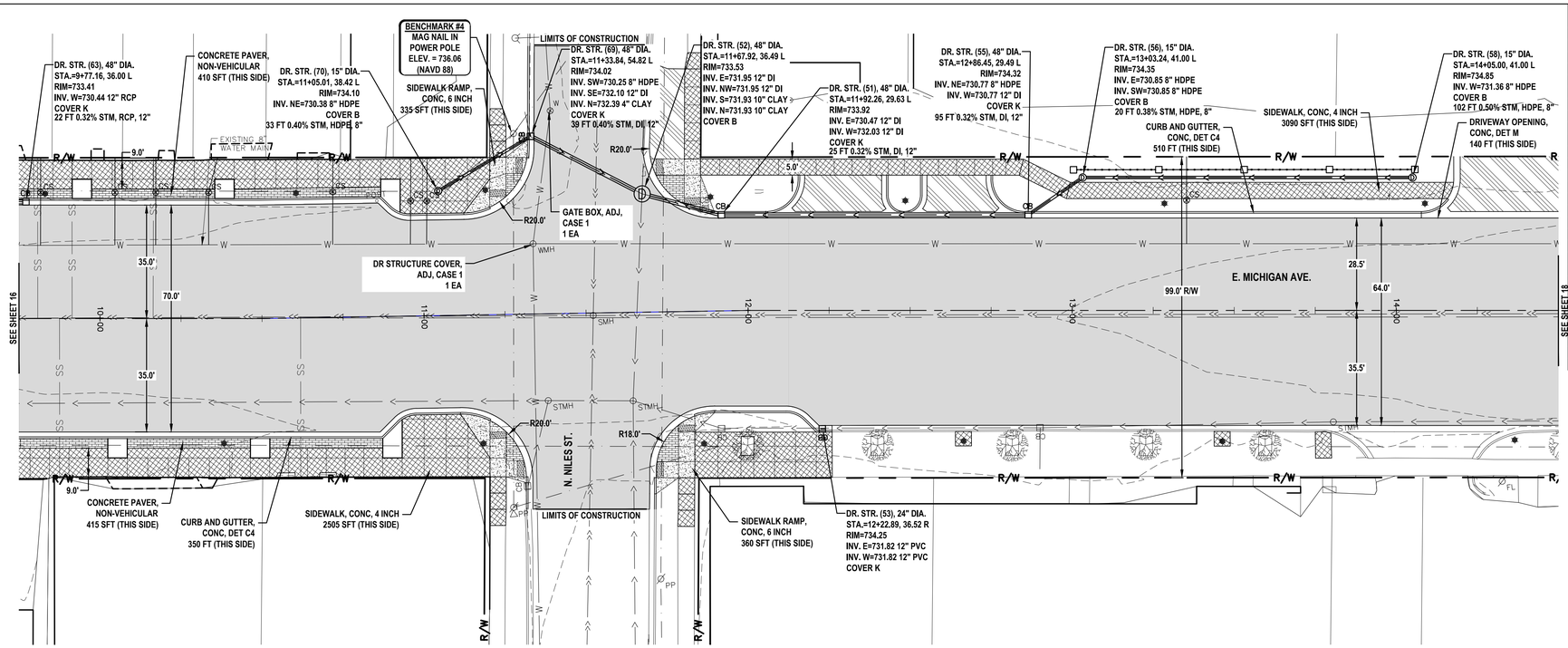
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
PROPOSED PLAN AND PROFILE
MICHIGAN AVE
STA. 5+00 TO STA. 9+75

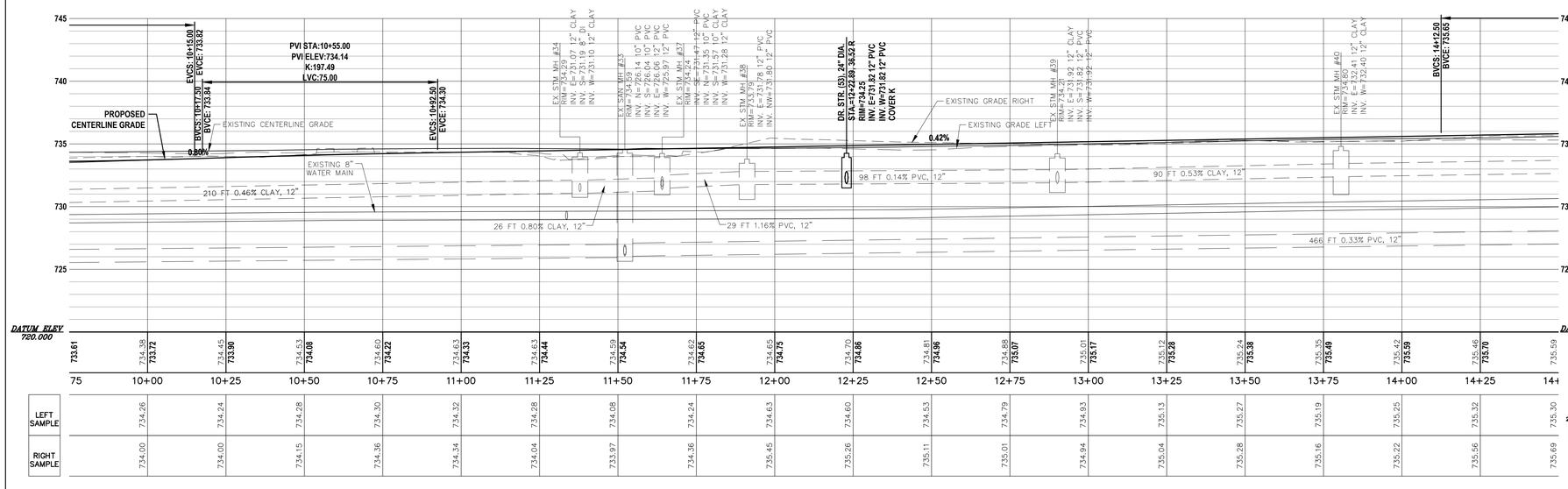
DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 20'
VERT: 1" = 5'
ACI JOB #
18-1687
SHEET NO.
16 of 39



Item Description	Unit	Sht 17 Quantity
Machine Grading	Sta	5
Subbase, CIP	Cyd	1580
Aggregate Base, 8 inch	Syd	4340
Sewer, Cl IV, 12 inch, Tr Det B	Ft	22
Sewer, Perf, HDPE, 8 inch, Tr Det B, Modified	Ft	155
Sewer, Dl, 12 inch, Tr Det B	Ft	159
Dr Structure Cover, Adj, Case 1	Ea	8
Dr Structure Cover, Type B	Ea	9
Dr Structure Cover, Type K	Ea	6
Dr Structure Cover, Type Q	Ea	2
Dr Structure, 24 inch dia	Ea	2
Dr Structure, 48 inch dia	Ea	5
Dr Structure, 15 inch dia	Ea	2
HMA, 4E3	Ton	1050
HMA, 5E3	Ton	525
HMA Approach	Ton	210
Conc Pavt, Nonreinf, 8 inch	Syd	170
Curb and Gutter, Conc, Det C4	Ft	860
Driveway Opening, Conc, Det M	Ft	140
Detectable Warning Surface	Ft	40
Curb Ramp Opening, Conc	Ft	90
Sidewalk Ramp, Conc, 6 inch	Sft	695
Sidewalk, Conc, 4 inch	Sft	5595
Concrete Paver, Non-Vehicular	Sft	825
Water Serv	Ea	8
Gate Box, Adj, Case 1	Ea	1
Private Water Serv	Ft	156
Curb Stop and Box	Ea	8
Private Water Serv, Conn to Ex	Ea	8

LEGEND

- DRIVEWAY, NONREINF CONC, 8 INCH
- SIDEWALK, CONC, 4 INCH
- SIDEWALK RAMP, ADA
- PROFILE STRUCTURE & PIPE REMOVALS
- PROPOSED ADA TACTILE WARNING AREA
- BRICK
- PLAN SEWER REMOVALS



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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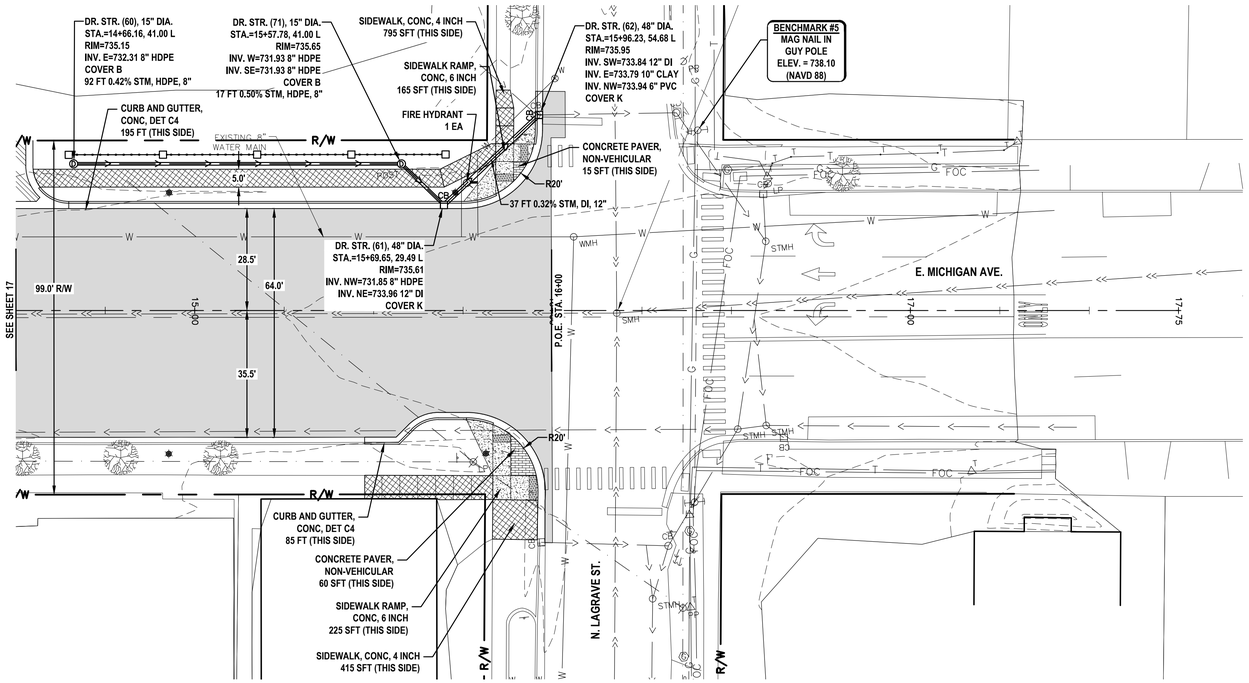
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
PROPOSED PLAN AND PROFILE
MICHIGAN AVE
STA. 9+75 TO STA. 14+50

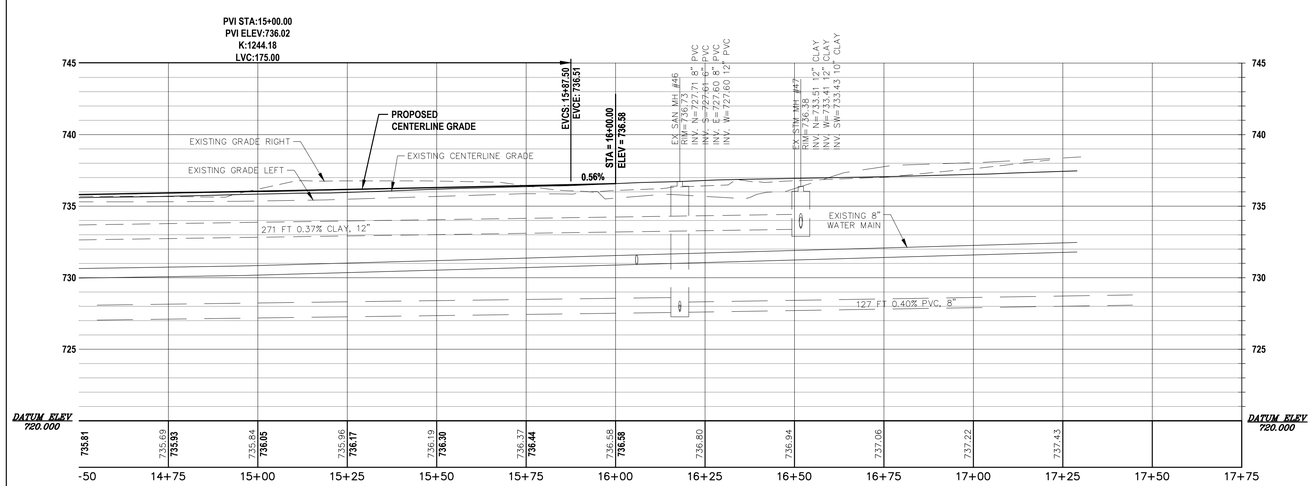
DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 20'
VERT: 1" = 5'
ACI JOB #
18-1687
SHEET NO.
17 of 39



Item Description	Unit	Sht 18 Quantity
Machine Grading	Sta	2
Subbase, CIP	Cyd	425
Aggregate Base, 8 inch	Syd	1190
Sewer, Perf, HDPE, 8 inch, Tr Det B, Modified	Ft	109
Sewer, DI, 12 inch, Tr Det B	Ft	37
Dr Structure Cover, Type B	Ea	2
Dr Structure Cover, Type K	Ea	2
Dr Structure, 48 inch dia	Ea	2
Dr Structure, 15 inch dia	Ea	2
HMA, 4E3	Ton	290
HMA, 5E3	Ton	145
Curb and Gutter, Conc, Det C4	Ft	280
Detectable Warning Surface	Ft	20
Curb Ramp Opening, Conc	Ft	46
Sidewalk Ramp, Conc, 6 inch	Sft	390
Sidewalk, Conc, 4 inch	Sft	1210
Concrete Paver, Non-Vehicular	Sft	75
Fire Hydrant	Ea	1

LEGEND

- DRIVEWAY, NONREINF CONC, 8 INCH
- SIDEWALK, CONC, 4 INCH
- SIDEWALK RAMP, ADA
- PROFILE STRUCTURE & PIPE REMOVALS
- PROPOSED ADA TACTILE WARNING AREA
- BRICK
- PLAN SEWER REMOVALS



	735.81	735.69 / 735.93	735.84 / 736.05	735.96 / 736.17	736.10 / 736.30	736.37 / 736.44	736.58 / 736.58	736.80	736.94	737.06	737.22	737.43	
LEFT SAMPLE		735.31	735.36	735.49	735.68	735.88	735.56	735.68	736.23	737.76	738.04	738.37	
RIGHT SAMPLE		735.67	736.19	736.77	736.76	736.42	736.09	736.42	736.78	737.02	737.63		

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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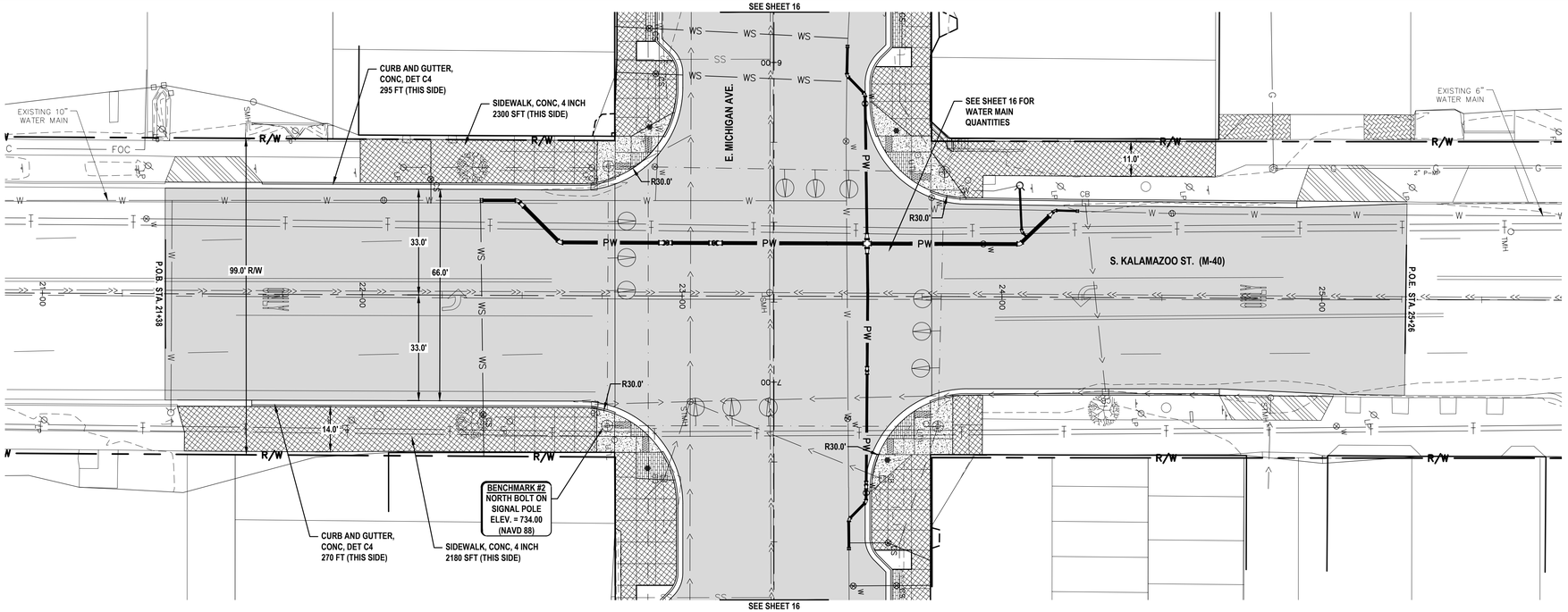
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
PROPOSED PLAN AND PROFILE
MICHIGAN AVE
STA. 14+50 TO STA. 16+00 (P.O.E.)

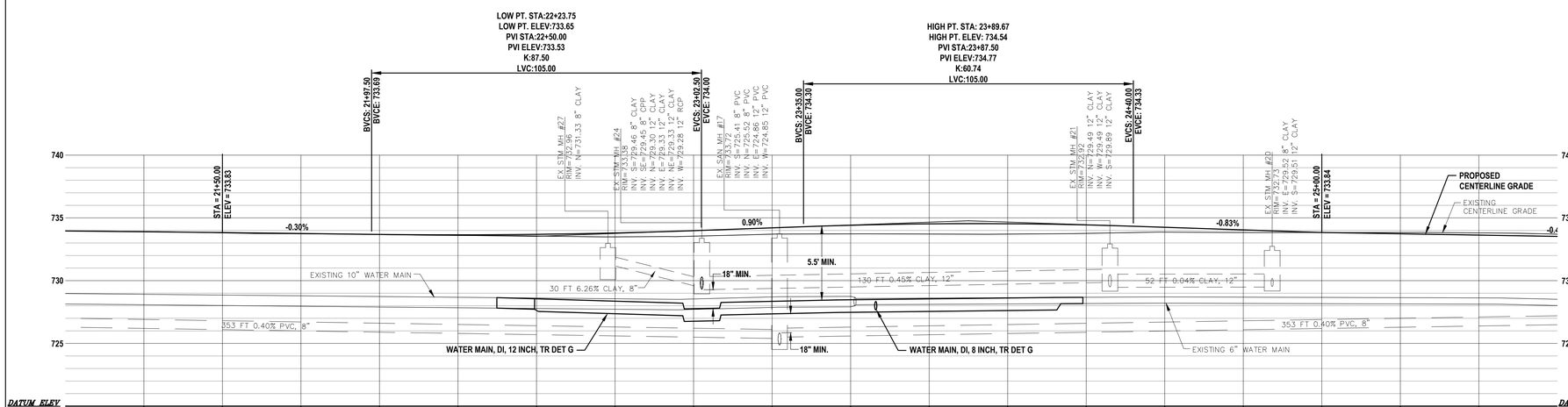
DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 20'
VERT: 1" = 5'
ACI JOB #
18-1687
SHEET NO.
18 of 39



Item Description	Unit	Sht 19 Quantity
Machine Grading	Sta	3
Subbase, CIP	Cyd	810
Aggregate Base, 8 inch	Syd	2190
Dr Structure Cover, Adj, Case 1	Ea	5
Dr Structure Cover, Type K	Ea	4
Dr Structure Cover, Type B, Modified	Ea	1
HMA, 4E3	Ton	660
HMA, 5E3	Ton	265
Conc Pavt, Nonreinf, 8 inch	Syd	95
Curb and Gutter, Conc, Det C4	Ft	565
Sidewalk, Conc, 4 inch	Sft	4480
Water Serv	Ea	1
Water Serv, Long	Ea	1
Private Water Serv	Ft	24
Curb Stop and Box	Ea	2
Private Water Serv, Conn to Ex	Ea	2

LEGEND

- DRIVEWAY, NONREINF CONC, 8 INCH
- SIDEWALK, CONC, 4 INCH
- SIDEWALK RAMP, ADA
- PROFILE STRUCTURE & PIPE REMOVALS
- PROPOSED ADA TACTILE WARNING AREA
- BRICK
- PLAN SEWER REMOVALS



	21+25	21+50	21+75	22+00	22+25	22+50	22+75	23+00	23+25	23+50	23+75	24+00	24+25	24+50	24+75	25+00	25+25	25+50
	733.96	733.89	733.83	733.76	733.68	733.65	733.69	733.80	733.98	734.21	734.41	734.52	734.53	734.44	734.25	734.04	733.84	733.73	733.63
LEFT SAMPLE	733.92	733.80	733.73	733.67	733.60	733.56	733.49	733.54	733.70	733.73	733.71	733.71	733.76	733.87	733.84	733.84	733.84	733.80	733.70
RIGHT SAMPLE	733.92	733.80	733.73	733.67	733.60	733.56	733.49	733.54	733.70	733.73	733.71	733.71	733.76	733.87	733.84	733.84	733.84	733.80	733.70

NORTH

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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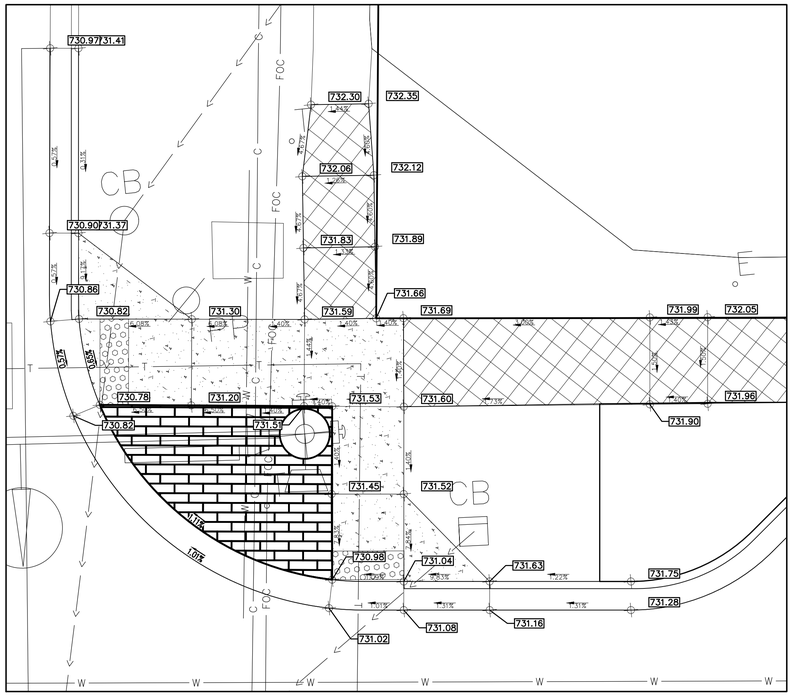
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

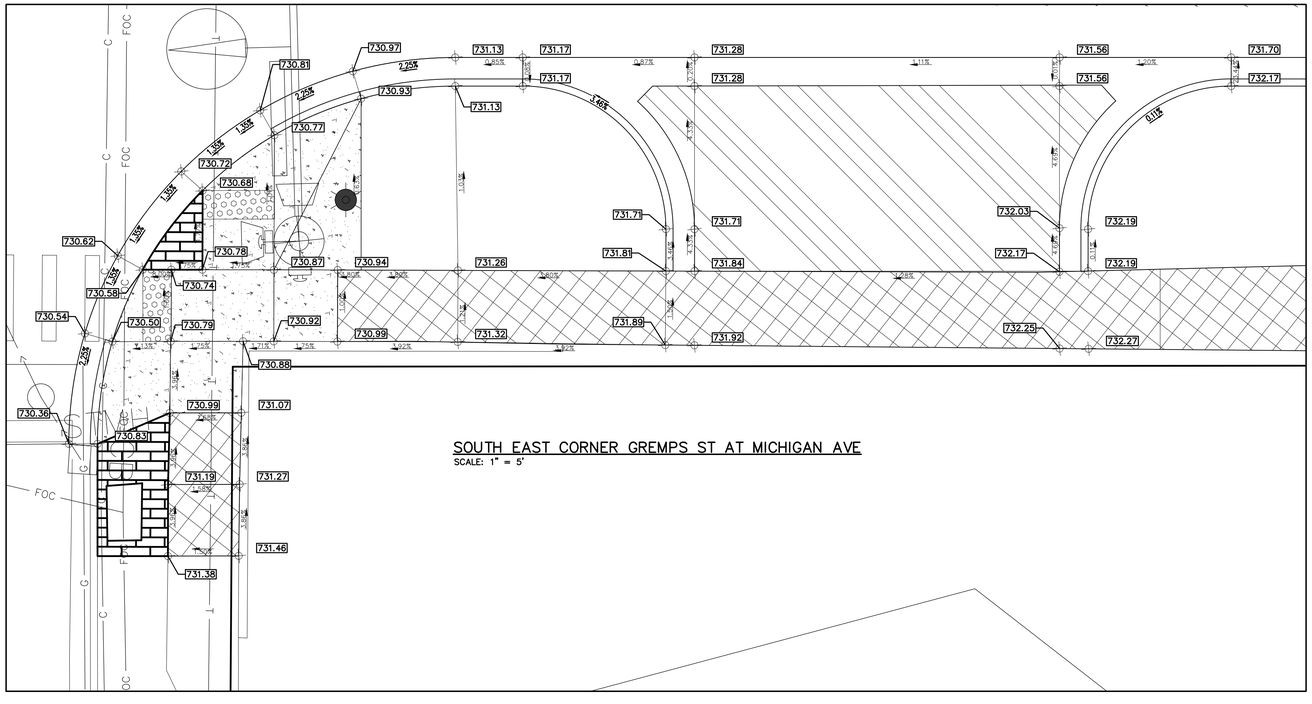
SHEET TITLE:
PROPOSED PLAN PROFILE
KALAMAZOO ST
STA. 21+38 (P.O.B) TO 25+26 (P.O.E)

DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 20'
VERT: 1" = 5'
ACI JOB # 18-1687
SHEET NO. 19 of 39

o:\Projects\2018\18-1687-village of paw paw - streetscape\CADD_Civil\Drawings\18-1687 R1.dwg, R1-5, 8/7/2020 9:40:19 AM, ekamps, 1:1



NORTH EAST CORNER GREMPS ST AT MICHIGAN AVE
SCALE: 1" = 5'



SOUTH EAST CORNER GREMPS ST AT MICHIGAN AVE
SCALE: 1" = 5'

GRAPHIC SCALE

5 0 2.5 5 10 20

(IN FEET)
1 inch = 5 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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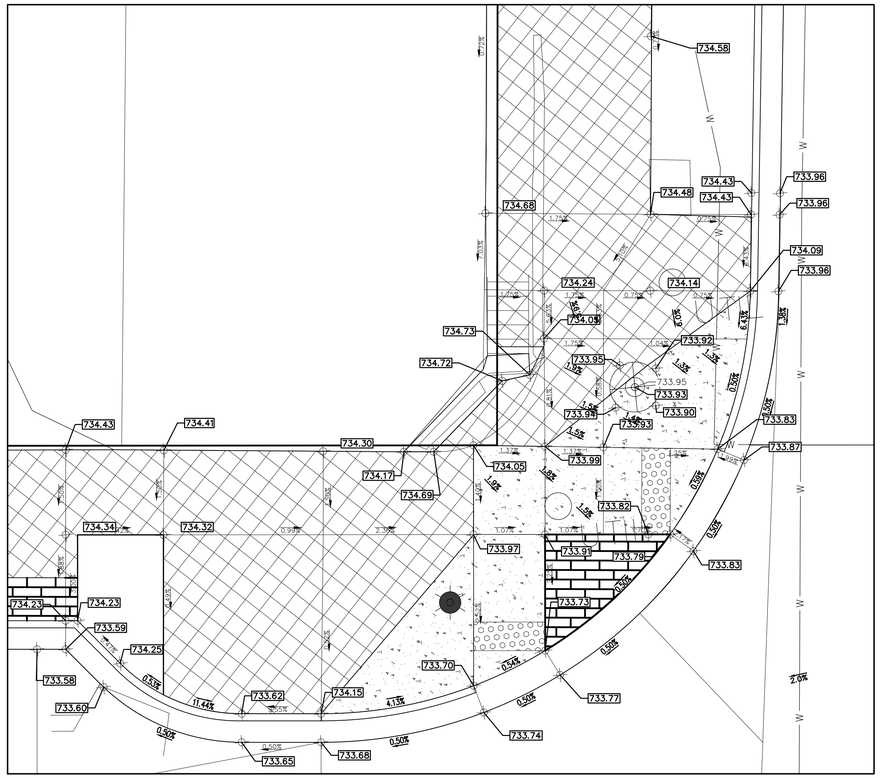
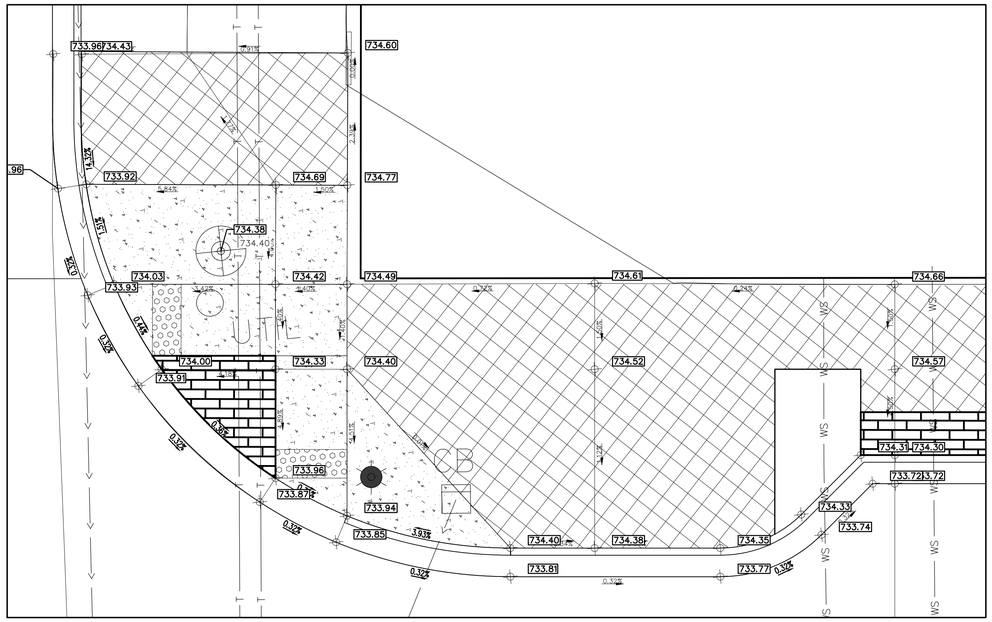
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
INTERSECTION GRADING PLAN - 1

DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 10'
VERT: N/A
ACI JOB #
18-1687
SHEET NO.
20 of 39

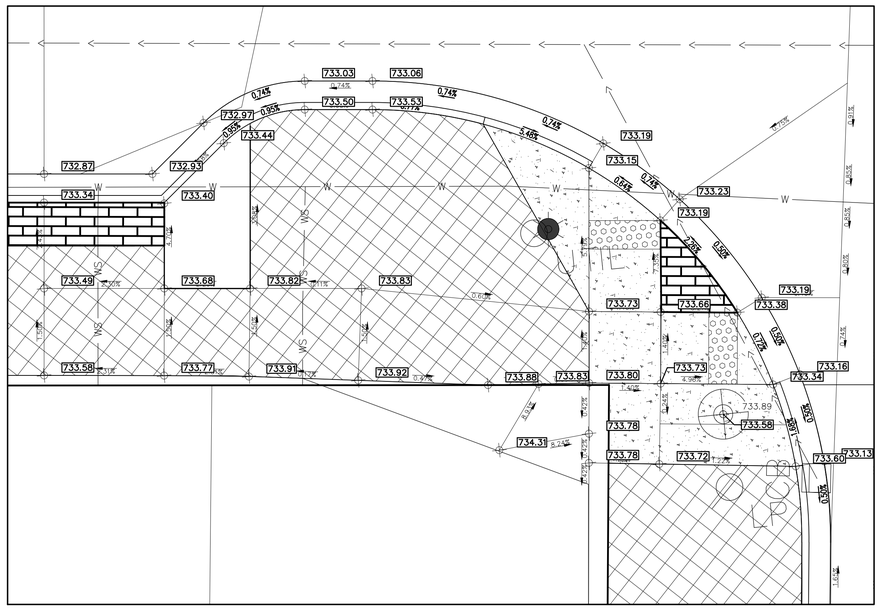


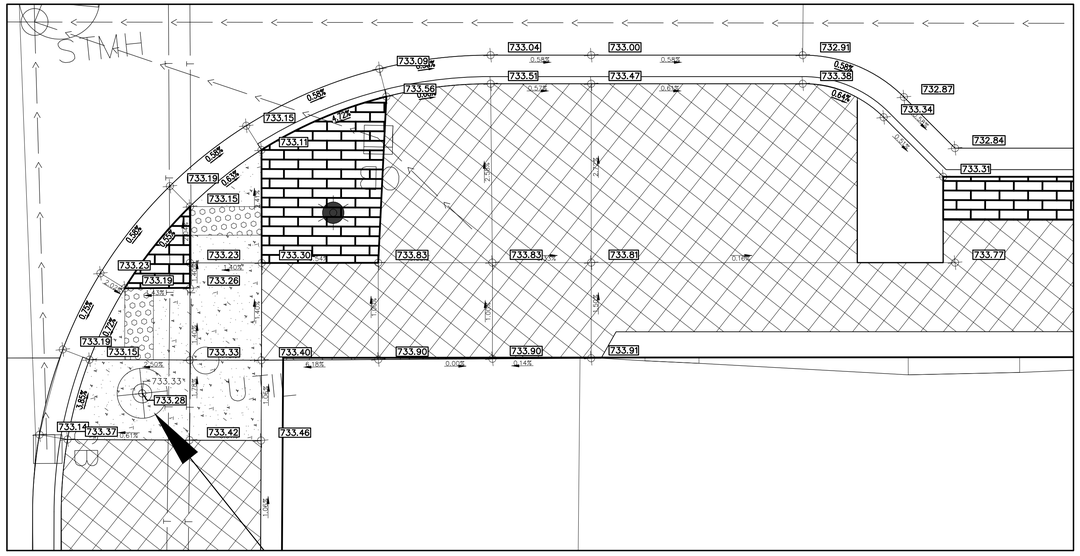
NORTH WEST CORNER KALAMAZOO ST AT MICHIGAN AVE
SCALE: 1" = 5'



NORTH EAST CORNER KALAMAZOO ST AT MICHIGAN AVE
SCALE: 1" = 5'

SOUTH WEST CORNER KALAMAZOO ST AT MICHIGAN AVE
SCALE: 1" = 5'





SOUTH EAST CORNER KALAMAZOO ST AT MICHIGAN AVE
SCALE: 1" = 5'

GRAPHIC SCALE

5 0 2.5 5 10 20

(IN FEET)
1 inch = 5 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
INTERSECTION GRADING PLAN - 2

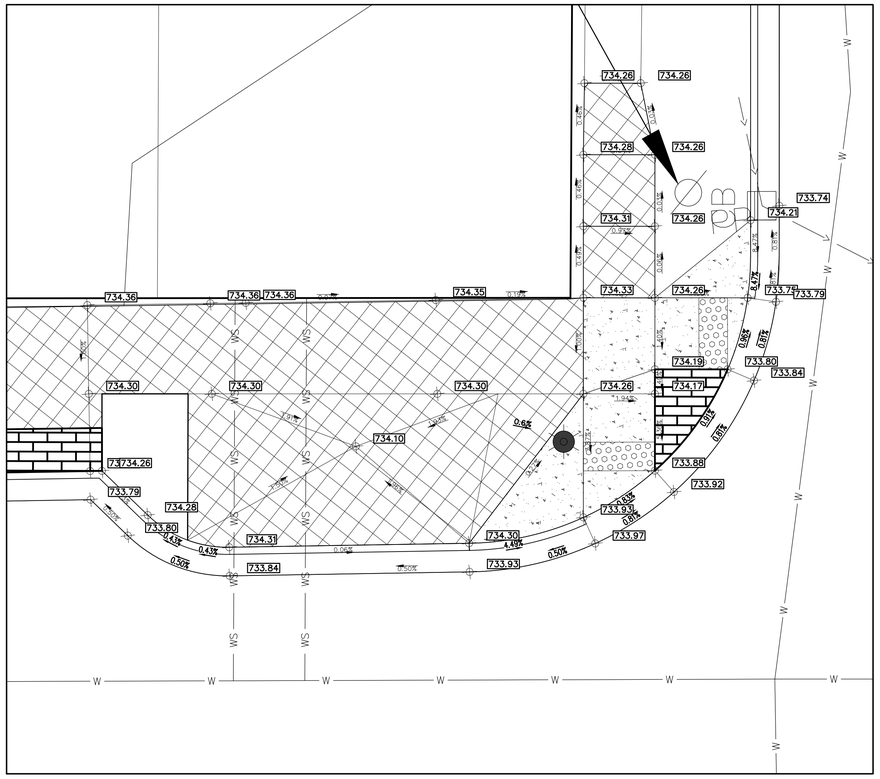
DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:

SIGNATURE:
DATE:

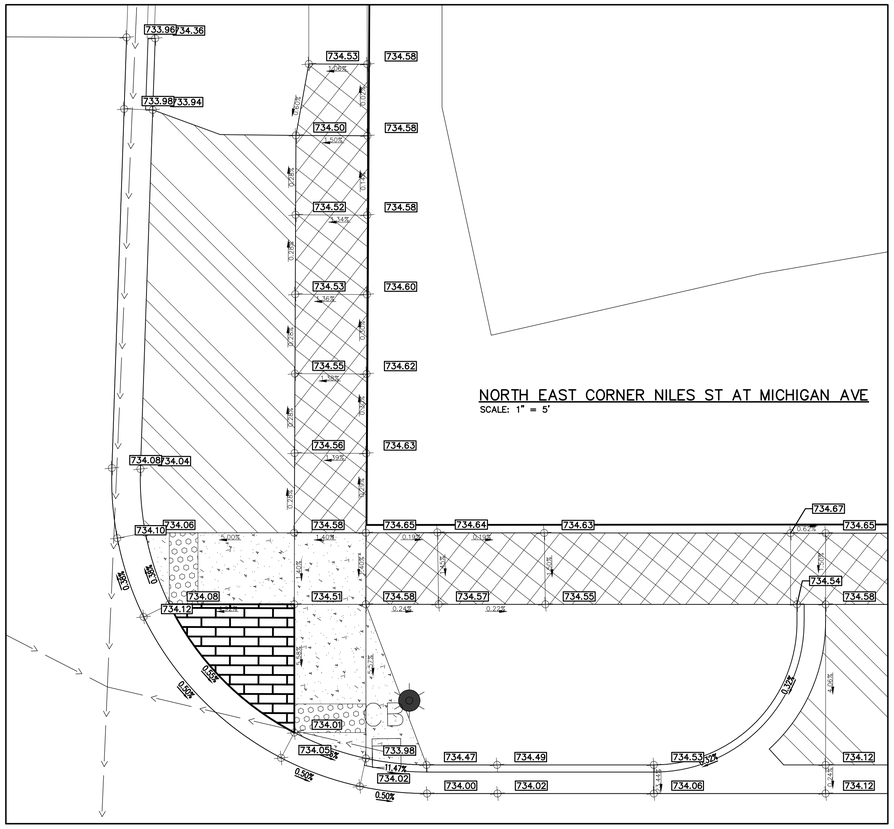
SCALE:
HORZ: 1" = 10'
VERT: N/A

ACI JOB #
18-1687

SHEET NO.
21 of 39



NORTH WEST CORNER NILES ST AT MICHIGAN AVE
SCALE: 1" = 5'



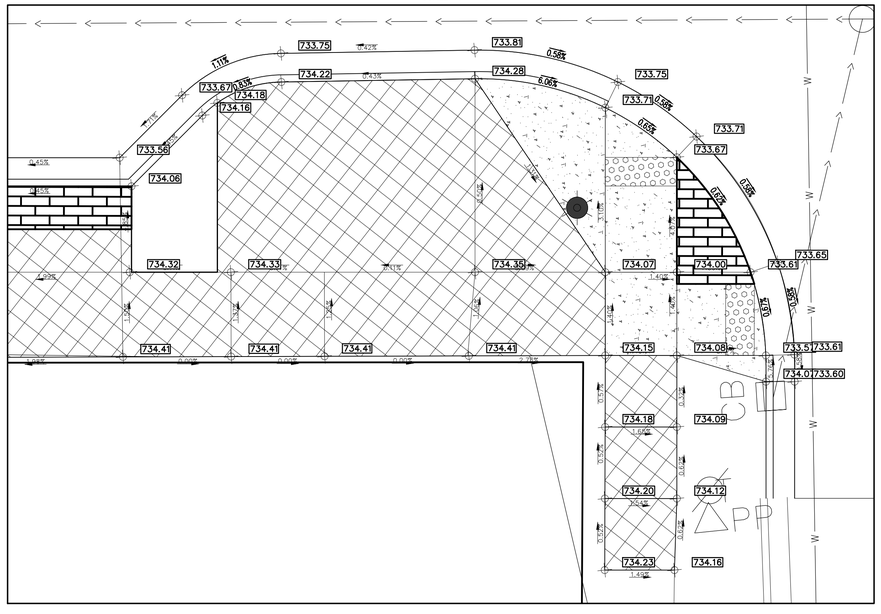
NORTH EAST CORNER NILES ST AT MICHIGAN AVE
SCALE: 1" = 5'

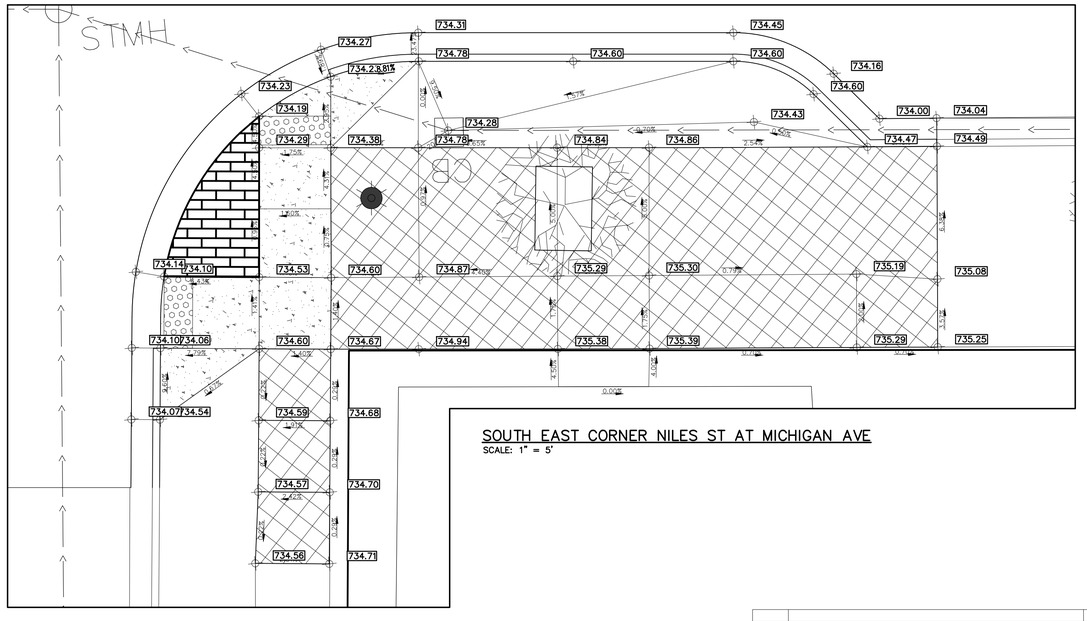
GRAPHIC SCALE

5 0 2.5 5 10 20

(IN FEET)
1 inch = 5 ft.

SOUTH WEST CORNER NILES ST AT MICHIGAN AVE
SCALE: 1" = 5'





SOUTH EAST CORNER NILES ST AT MICHIGAN AVE
SCALE: 1" = 5'

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
INTERSECTION GRADING PLAN - 3

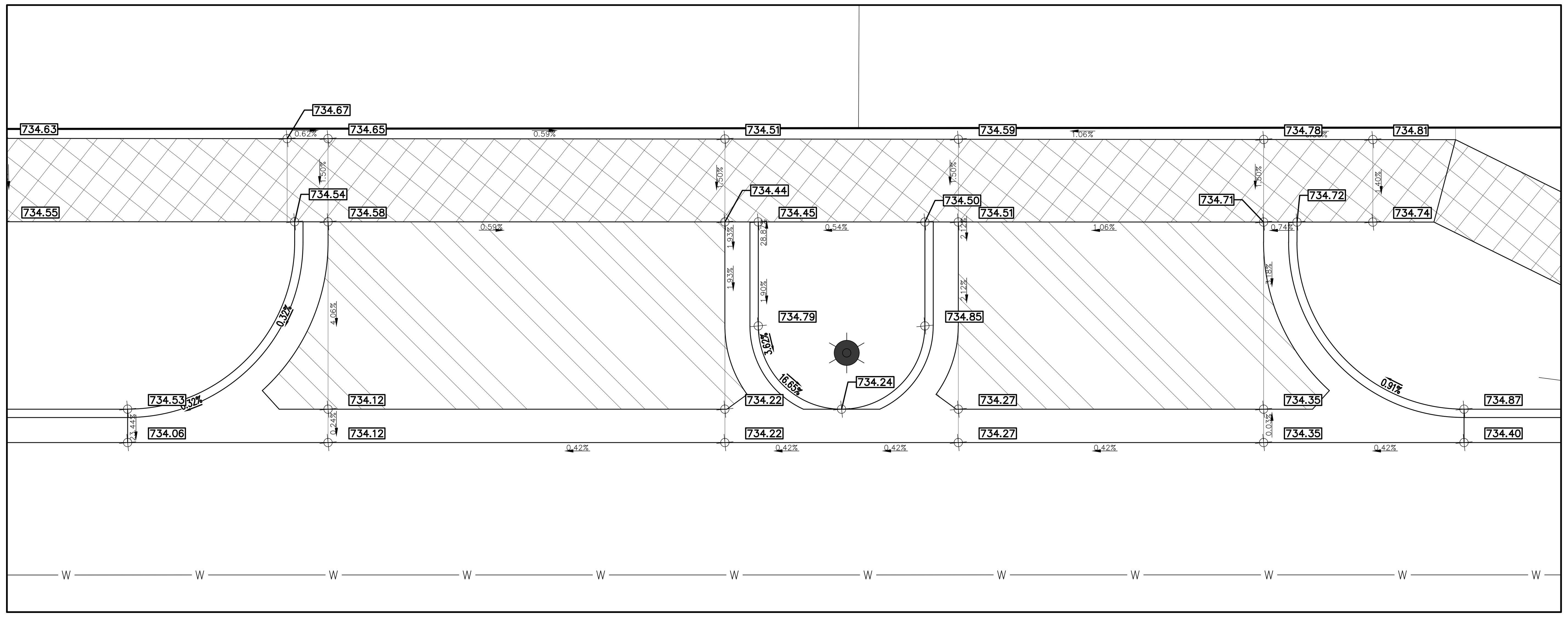
DRAWN BY: DRAWNBY
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:

SIGNATURE:
DATE:

SCALE:
HORZ: HORZ
VERT: N/A

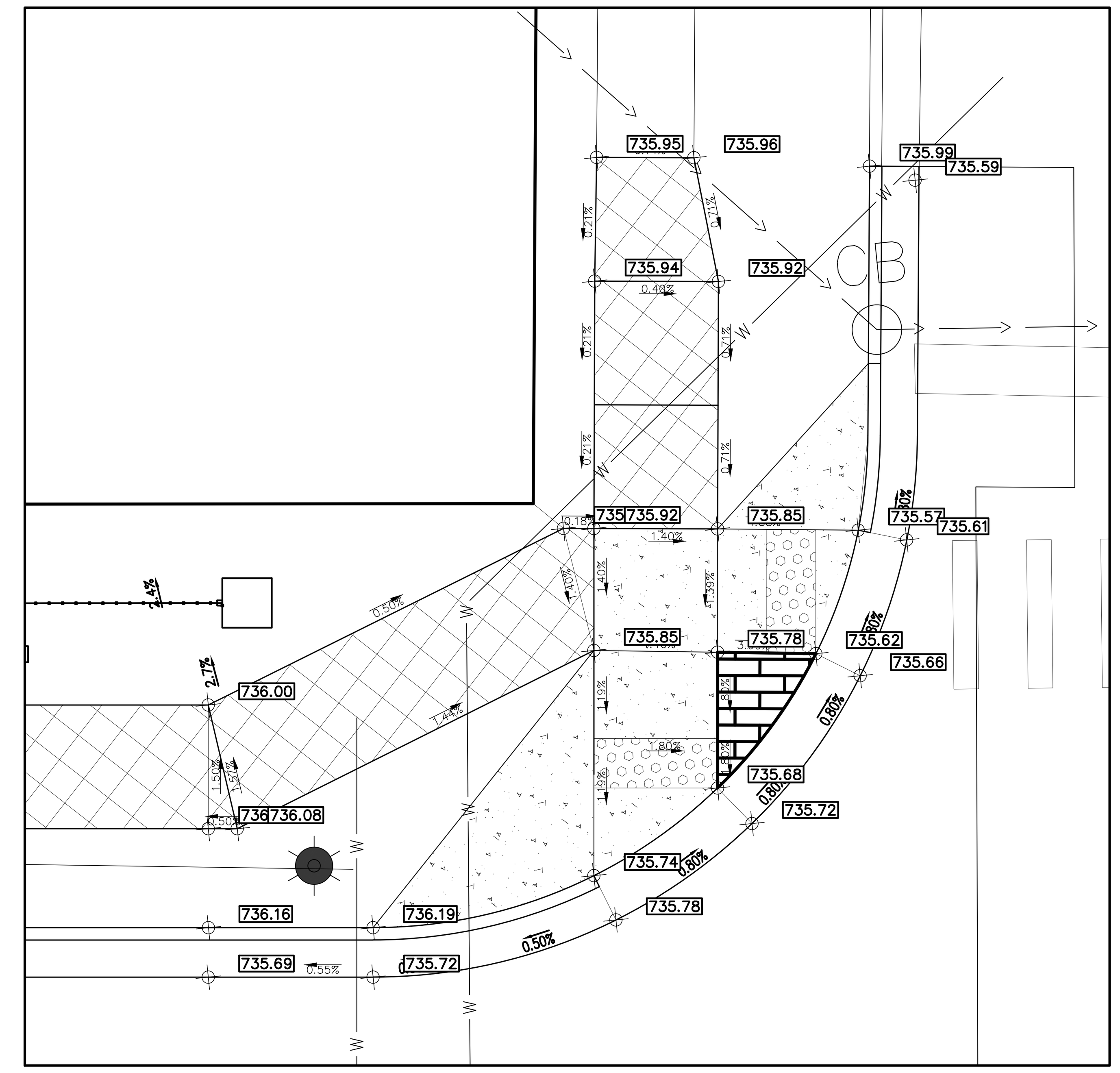
ACI JOB #
18-1687

SHEET NO.
22 of 39



DRIVEWAY FROM STA:12+05 TO 12+85

SCALE: 1" = 5'

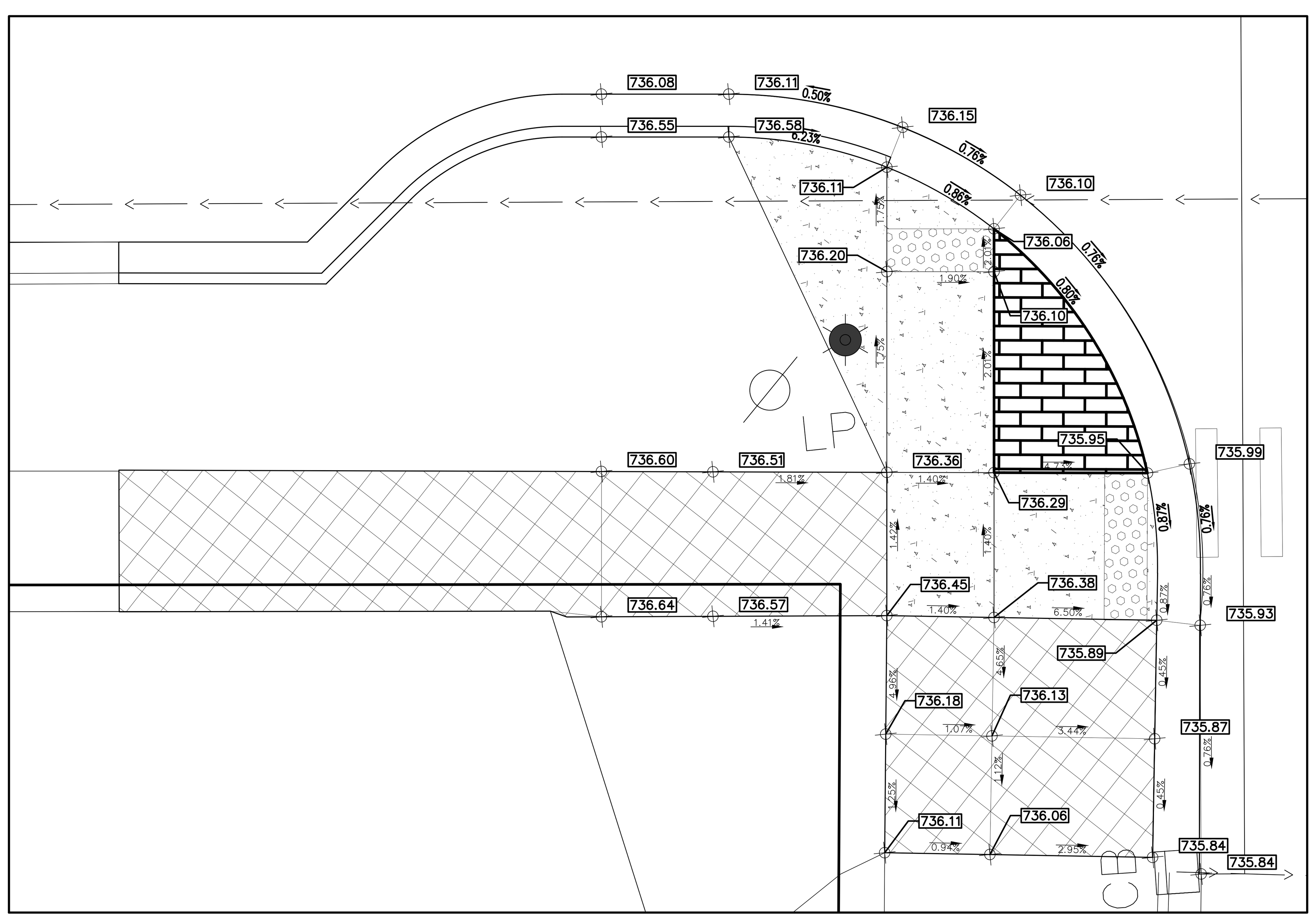


NORTH WEST CORNER LAGRAVE ST AT MICHIGAN AVE

SCALE: 1" = 5'

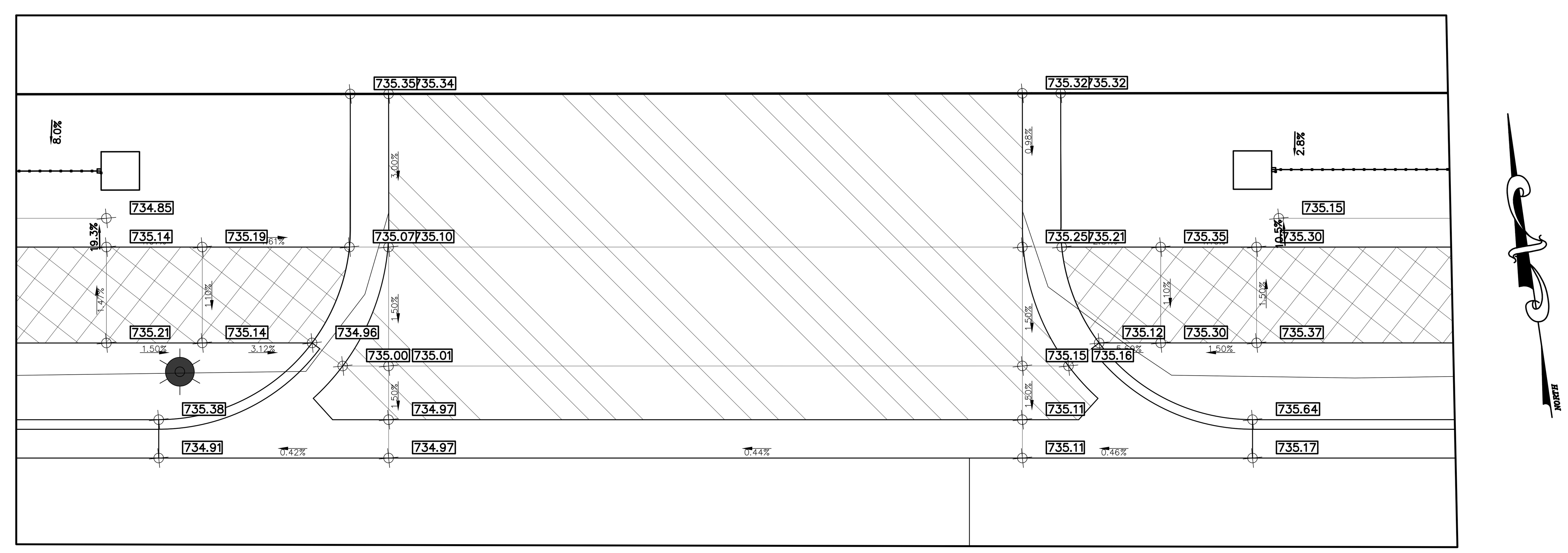
SOUTH WEST CORNER LAGRAVE ST AT MICHIGAN AVE

SCALE: 1" = 5'



DRIVEWAY FROM STA:14+05 TO 14+65

SCALE: 1" = 5'



GRAPHIC SCALE

5 0 2.5 5 10 20

(IN FEET)
1 inch = 5 ft.

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PROJECT:

MICHIGAN AVENUE STREETSCAPE PROJECT VILLAGE OF PAW PAW

SHEET TITLE:

INTERSECTION GRADING PLAN - 4

DRAWN BY: DRAWNBY
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:

SIGNATURE:

DATE:

SCALE:
HORZ: HORZ
VERT: N/A

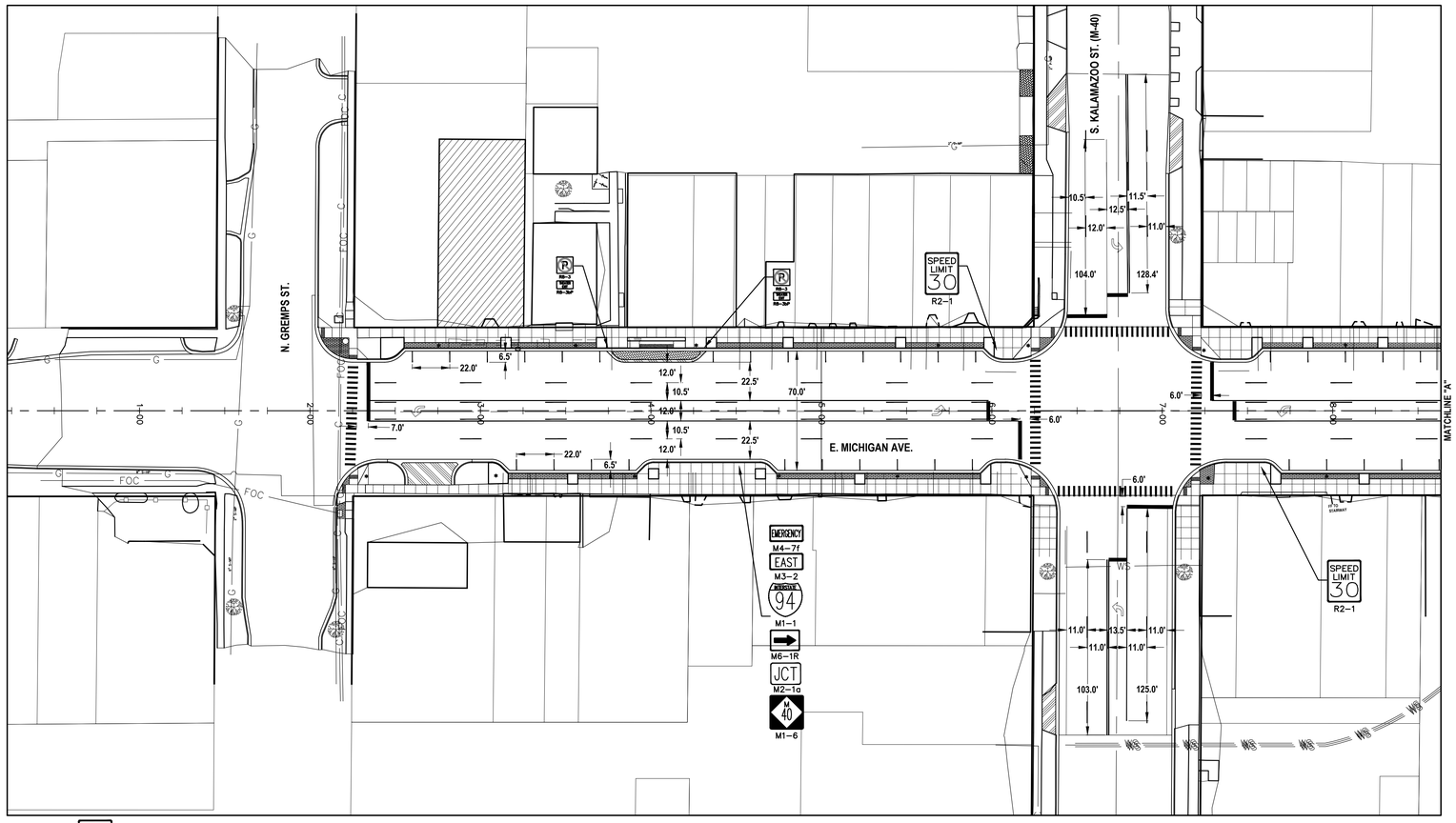
ACI JOB # 18-1687

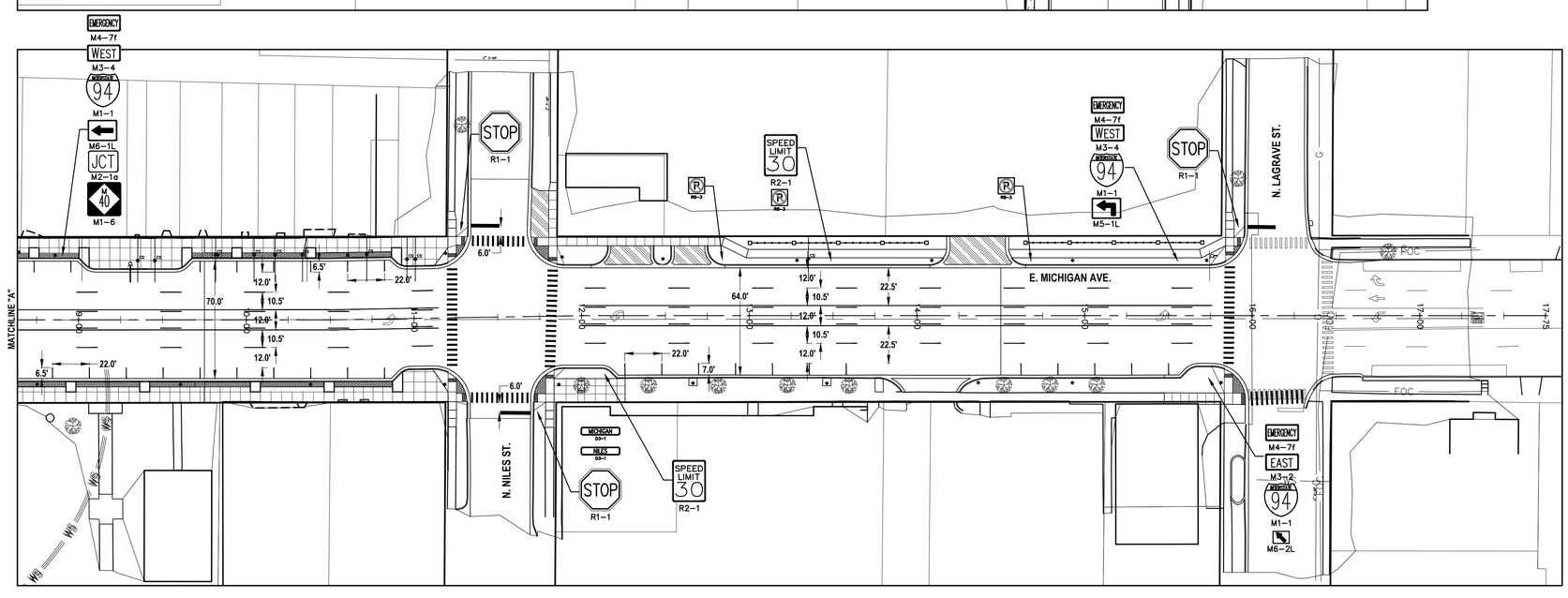
SHEET NO.

NO.	REVISION DESCRIPTION:	BY:	DATE:

o:\Projects\2018\18-1687 village of paw paw - streetscape\CAD_Civil\Drawings\18-1687 INT .dwg, INT-4, 8/7/2020 9:41:02 AM, ckamps, 1:1

Item Description	Unit	Sht 24 Quantity
Post Hole Through Conc for Steel Post	Ea	6
Post, Steel, 3 lb	Ft	230
Sign, Type IIIA	Sft	38
Sign, Type IIIB	Sft	54
Pavt Mrkg, Polyurea, 4 inch, White	Ft	1780
Pavt Mrkg, Polyurea, 4 inch, Yellow	Ft	3010
Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	Ft	1350
Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	Ft	250
Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	Ea	8





PROPOSED SIGN, TYPE IIIA QUANTITIES

SYMBOL	LABEL	DIMENSION (FT)	AREA (SFT)	QUANTITY (EA)	MAXIMUM QUANTITY (SFT)
MICHIGAN	D3-1*	2.0' X 0.5'	1.00	1	1.00
NILES	D3-1	2.0' X 0.5'	1.00	1	1.00
94	M1-1	2.0' X 2.0'	4.00	4	16.00
STOP	R1-1	2.5' X 2.5'	6.25	3	18.75
THEATER EXIT	R8-3bP	2.0' x 1.0'	1.00	1	1.00
				TOTAL SIGNAGE (SFT)	37.75

PROPOSED SIGN, TYPE IIIB QUANTITIES

SYMBOL	LABEL	DIMENSION (FT)	AREA (SFT)	QUANTITY (EA)	MAXIMUM QUANTITY (SFT)
M40	M1-6	2.0' x 2.0'	4.00	2	8.00
JCT	M2-1a	1.75' x 1.25'	2.19	2	4.38
EAST	M3-2	2.0' x 1.0'	2.00	2	4.00
WEST	M3-4	2.0' x 1.0'	2.00	2	4.00
EMERGENCY	M4-7f	2.0' x 1.0'	2.00	4	8.00
	M5-1L	1.75' x 1.25'	2.19	1	2.19
	M6-1L	1.75' x 1.25'	2.19	1	2.19
	M6-1R	1.75' x 1.25'	2.19	1	2.19
	M6-2L	1.0' x .75'	0.75	1	0.75
SPEED LIMIT 30	R2-1	2' x 2.5'	5.00	3	15.00
R	R8-3	1' x 1'	1.00	3	3.00
				TOTAL SIGNAGE (SFT)	53.70

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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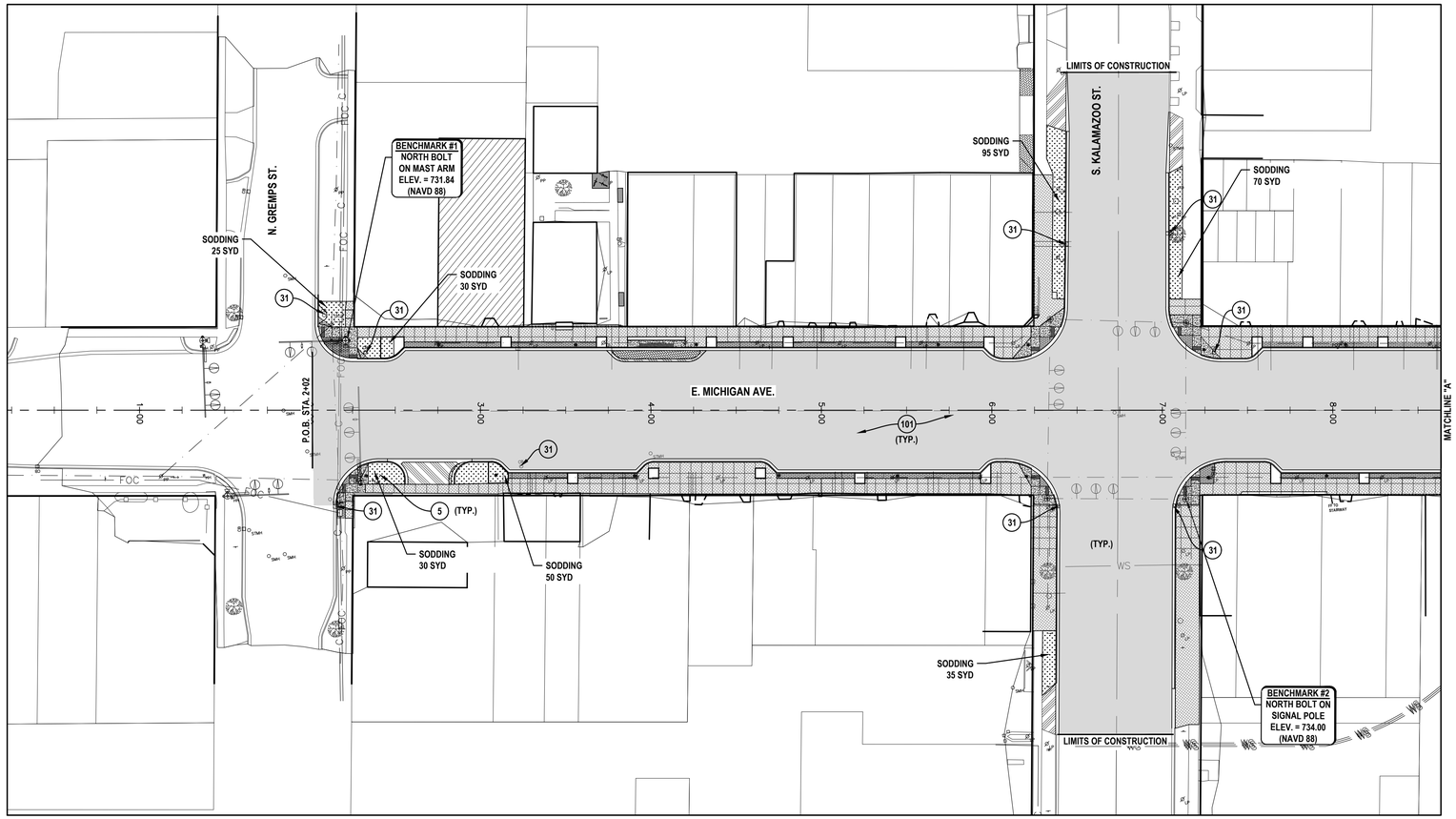
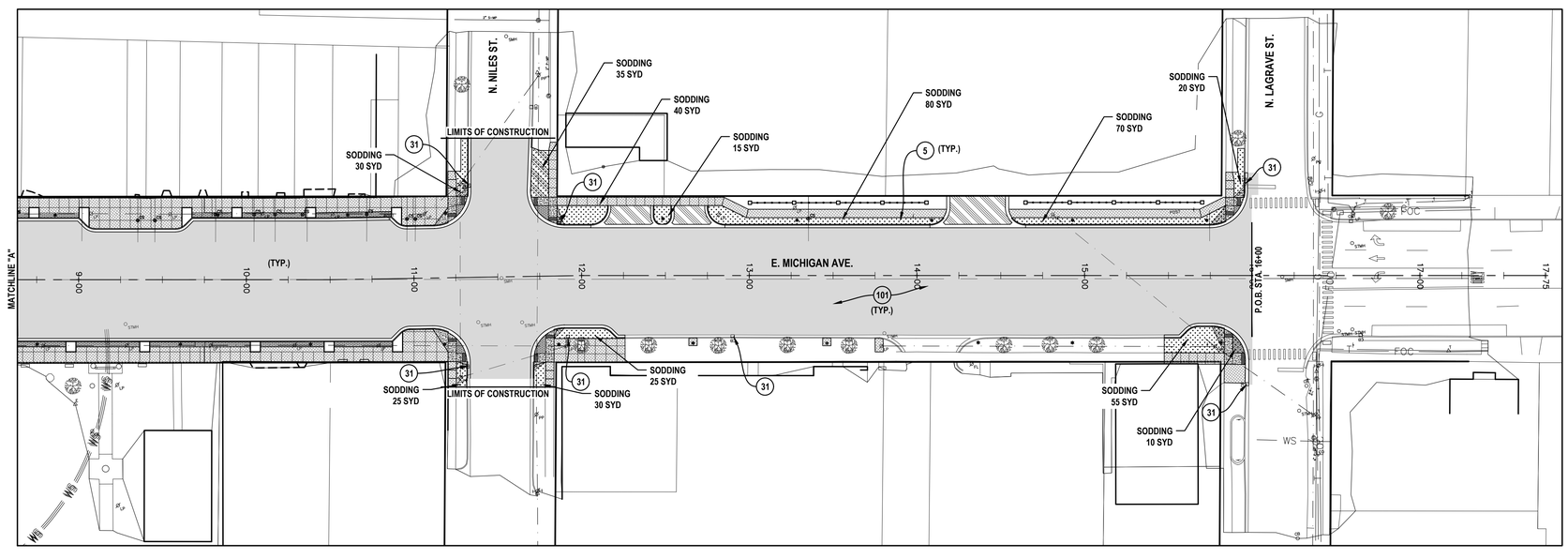
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
PAVEMENT MARKING AND
PERMANENT SIGNAGE PLAN

DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 40'
VERT: N/A
ACI JOB #
18-1687
SHEET NO.
24 of 39

Item Description	Unit	Sht 25 Quantity
Erosion Control, Inlet Protection, Fabric Drop	Ea	16
Sodding	Syd	770





LEGEND

- DRIVEWAY, NONREINF CONC, 8 INCH
- SIDEWALK, CONC, 4 INCH
- SIDEWALK RAMP, ADA
- SODDING

APPLICABLE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

KEY	DESCRIPTION
5	SODDING
31	DROP INLET SEDIMENT TRAP
101	PAVEMENT

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
SOIL EROSION AND
SEDIMENTATION CONTROL PLAN

DRAWN BY: DJL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:

SIGNATURE:
DATE:

SCALE:
HORZ: 1" = 40'
VERT: N/A

ACI JOB #
18-1687

SHEET NO.
25 of 39

LEGEND

- PLASTIC DRUM, HIGH INTENSITY
- BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED
- TEMPORARY PAVEMENT MARKINGS
- LANE ASSIGNMENT MARKING (FOR INFORMATIONAL PURPOSES)

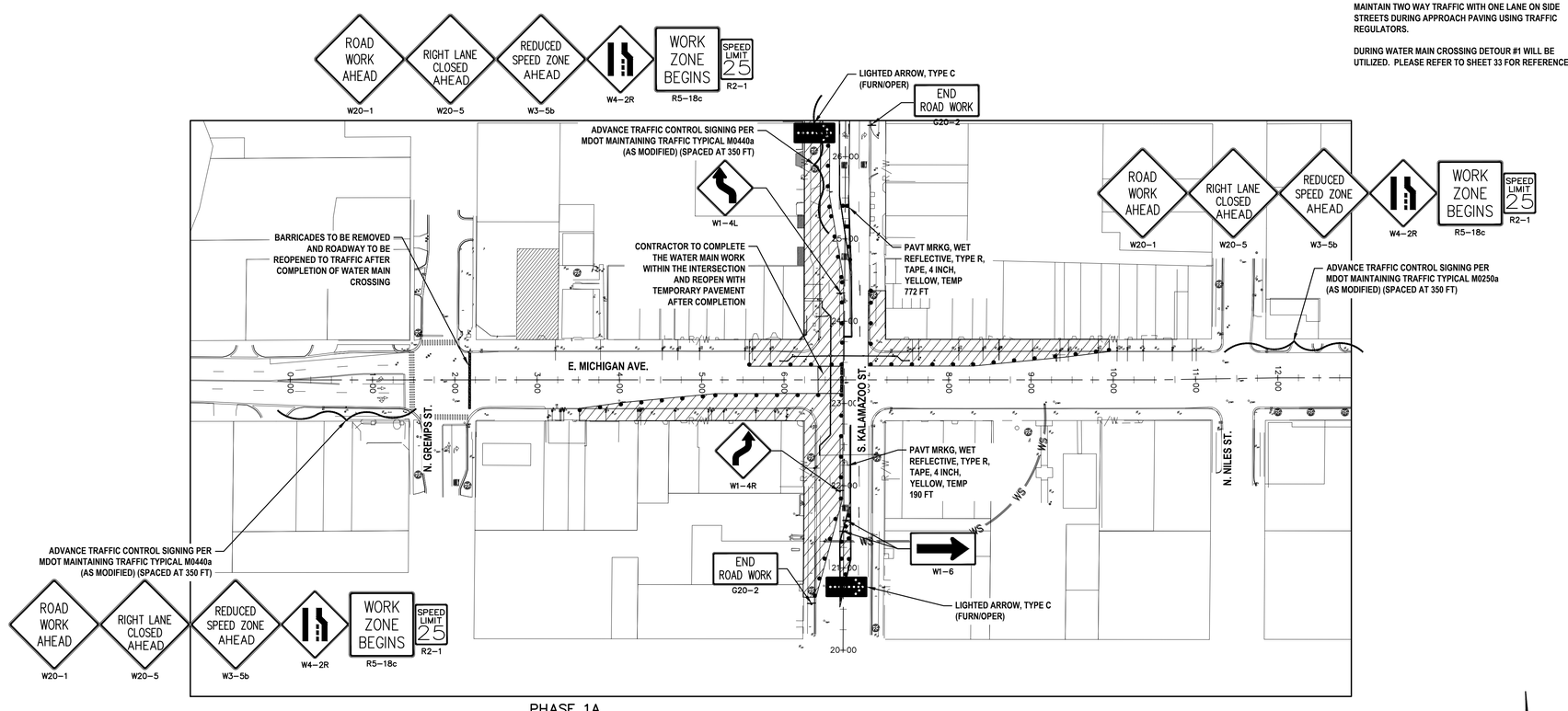
NOTE:
SEE SHEET 33 FOR QUANTITIES.

MAINTAIN ONE DRIVEWAY TO AND FROM PUBLIC SAFETY FACILITIES AT ALL TIMES.

COORDINATE WITH PUBLIC SAFETY FOR STAGING OF EMERGENCY VEHICLES DURING PAVING OPERATIONS.

MAINTAIN TWO WAY TRAFFIC WITH ONE LANE ON SIDE STREETS DURING APPROACH PAVING USING TRAFFIC REGULATORS.

DURING WATER MAIN CROSSING DETOUR #1 WILL BE UTILIZED. PLEASE REFER TO SHEET 33 FOR REFERENCE.



PHASE 1A
SCALE: 1" = 80'

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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PROJECT:
MICHIGAN AVENUE STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
TRAFFIC MAINTENANCE PLAN
PHASE 1A

DRAWN BY: EK
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 80'
VERT: N/A
ACI JOB #
18-1687
SHEET NO.
26 of 39

LEGEND

- PLASTIC DRUM, HIGH INTENSITY
- BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED
- TEMPORARY PAVEMENT MARKINGS
- LANE ASSIGNMENT MARKING (FOR INFORMATIONAL PURPOSES)

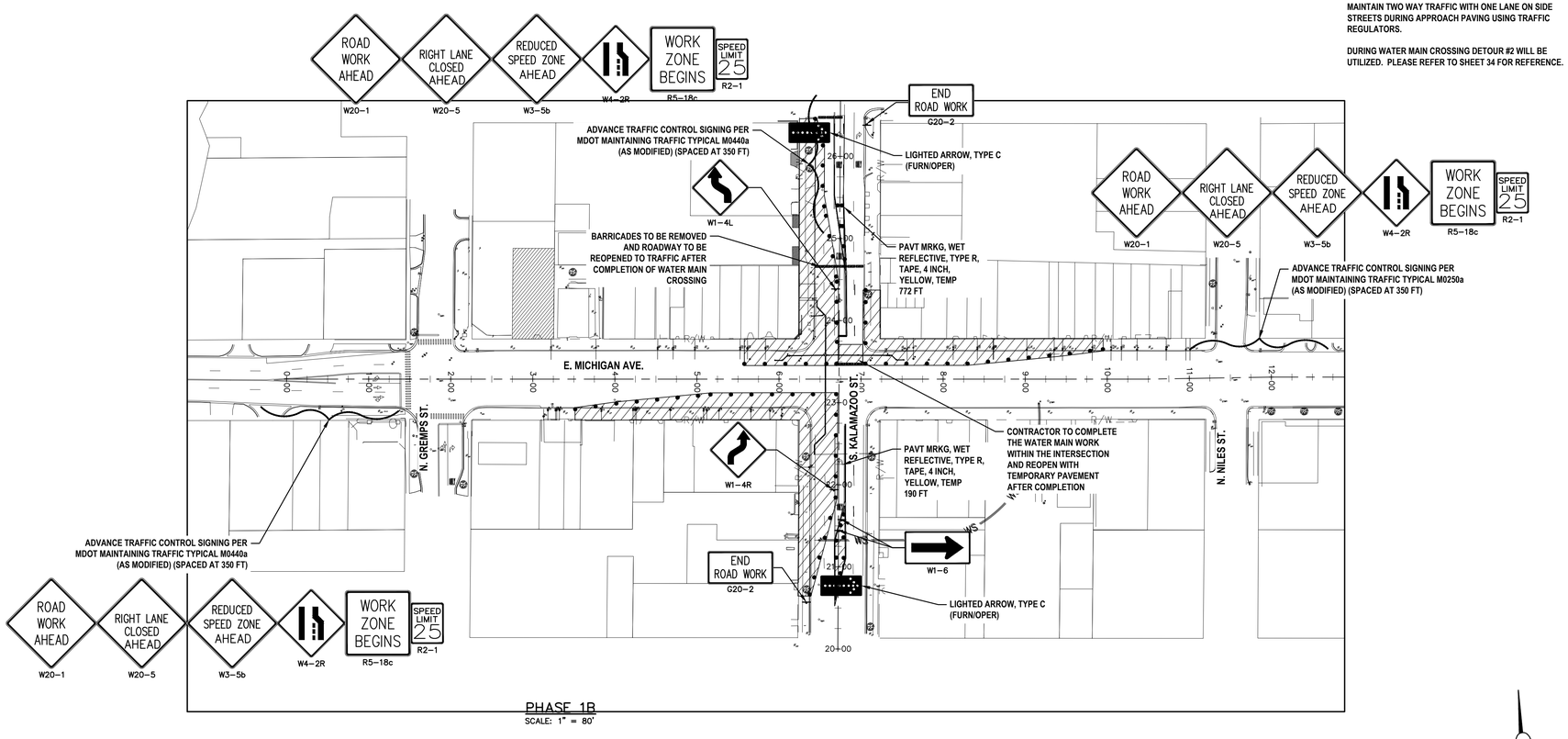
NOTE:
SEE SHEET 33 FOR QUANTITIES.

MAINTAIN ONE DRIVEWAY TO AND FROM PUBLIC SAFETY FACILITIES AT ALL TIMES.

COORDINATE WITH PUBLIC SAFETY FOR STAGING OF EMERGENCY VEHICLES DURING PAVING OPERATIONS.

MAINTAIN TWO WAY TRAFFIC WITH ONE LANE ON SIDE STREETS DURING APPROACH PAVING USING TRAFFIC REGULATORS.

DURING WATER MAIN CROSSING DETOUR #2 WILL BE UTILIZED. PLEASE REFER TO SHEET 34 FOR REFERENCE.



PHASE 1B
SCALE: 1" = 80'

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

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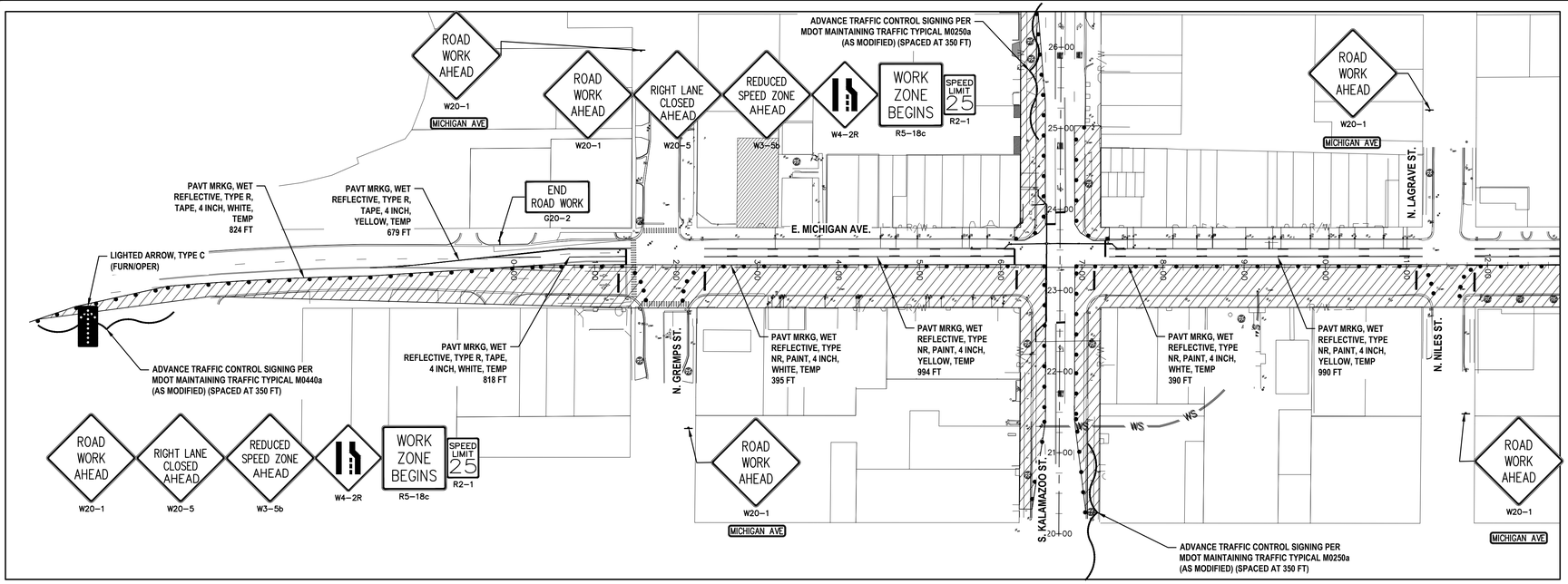
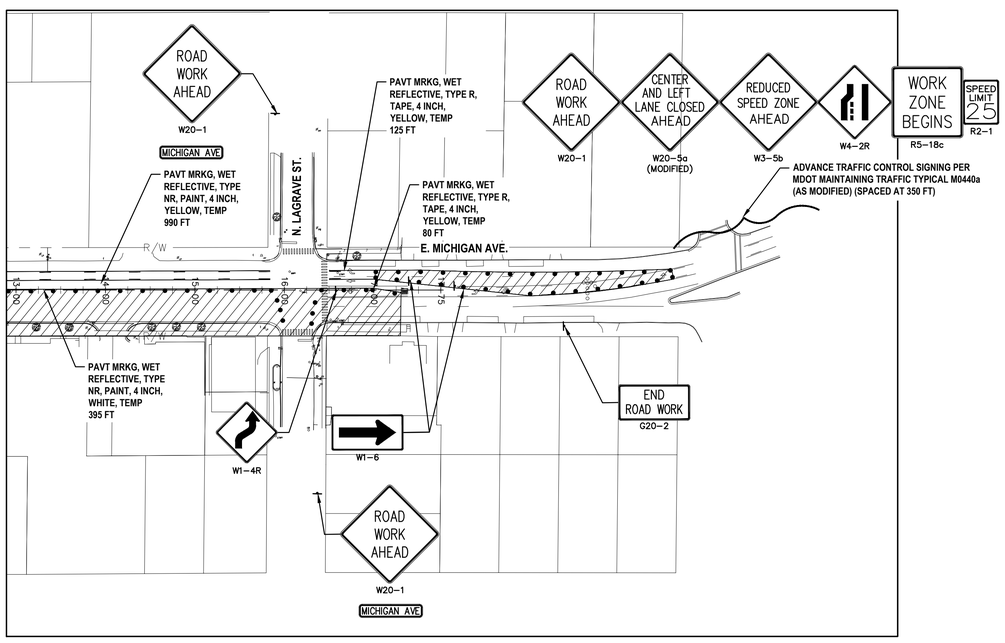
PROJECT:
MICHIGAN AVENUE STREETSCAPE PROJECT VILLAGE OF PAW PAW

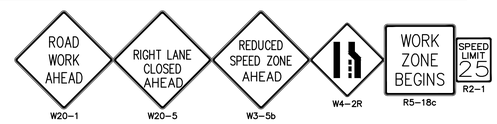
SHEET TITLE:
TRAFFIC MAINTENANCE PLAN PHASE 1B

DRAWN BY: EK
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 80'
VERT: N/A
ACI JOB # 18-1687
SHEET NO. 27 of 39



PHASE 2
SCALE: 1" = 80'





LEGEND

- PLASTIC DRUM, HIGH INTENSITY
- BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED
- TEMPORARY PAVEMENT MARKINGS
- LANE ASSIGNMENT MARKING (FOR INFORMATIONAL PURPOSES)

NOTE:
SEE SHEET 33 FOR QUANTITIES.

MAINTAIN ONE DRIVEWAY TO AND FROM PUBLIC SAFETY FACILITIES AT ALL TIMES.

COORDINATE WITH PUBLIC SAFETY FOR STAGING OF EMERGENCY VEHICLES DURING PAVING OPERATIONS.

MAINTAIN TWO WAY TRAFFIC WITH ONE LANE ON SIDE STREETS DURING APPROACH PAVING USING TRAFFIC REGULATORS.

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

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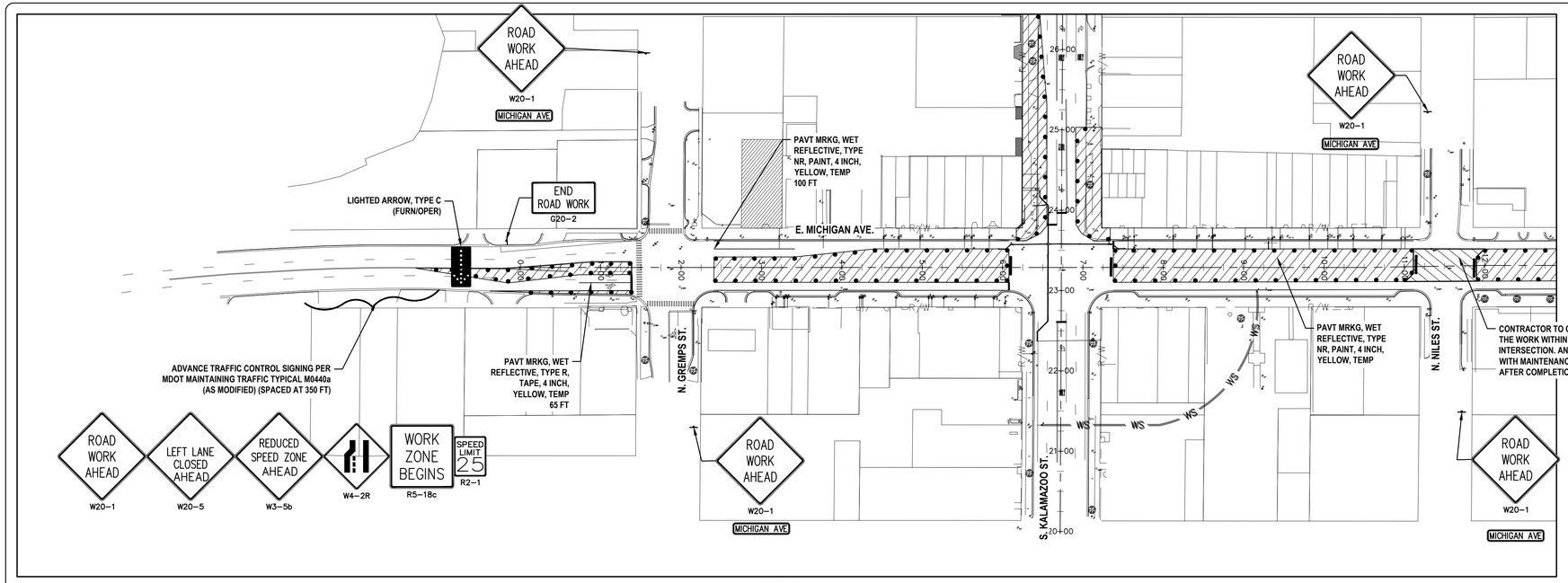
PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

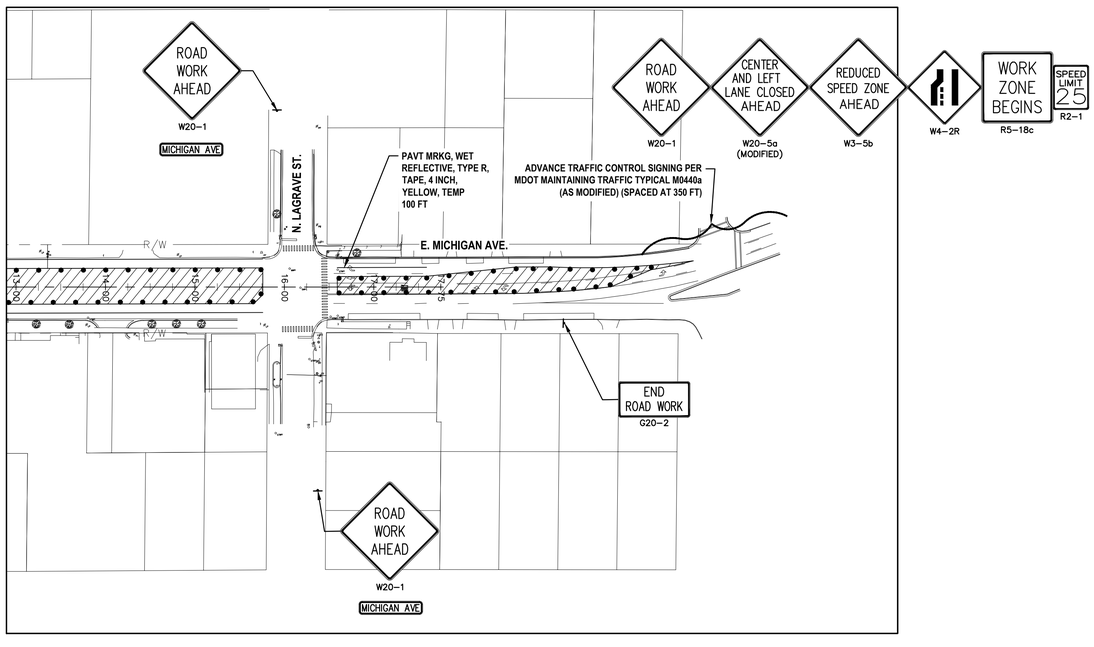
SHEET TITLE:
TRAFFIC MAINTENANCE PLAN
PHASE 2

DRAWN BY: EK
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 80'
VERT: N/A
ACI JOB #
18-1687
SHEET NO.
28 of 39

NO.	REVISION DESCRIPTION:	BY:	DATE:



PHASE 3
SCALE: 1" = 80'



LEGEND

- PLASTIC DRUM, HIGH INTENSITY
- BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED
- TEMPORARY PAVEMENT MARKINGS
- LANE ASSIGNMENT MARKING (FOR INFORMATIONAL PURPOSES)

NOTE:
SEE SHEET 33 FOR QUANTITIES.

MAINTAIN ONE DRIVEWAY TO AND FROM PUBLIC SAFETY FACILITIES AT ALL TIMES.

COORDINATE WITH PUBLIC SAFETY FOR STAGING OF EMERGENCY VEHICLES DURING PAVING OPERATIONS.

MAINTAIN TWO WAY TRAFFIC WITH ONE LANE ON SIDE STREETS DURING APPROACH PAVING USING TRAFFIC REGULATORS.

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
TRAFFIC MAINTENANCE PLAN
PHASE 3

DRAWN BY: EK
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:

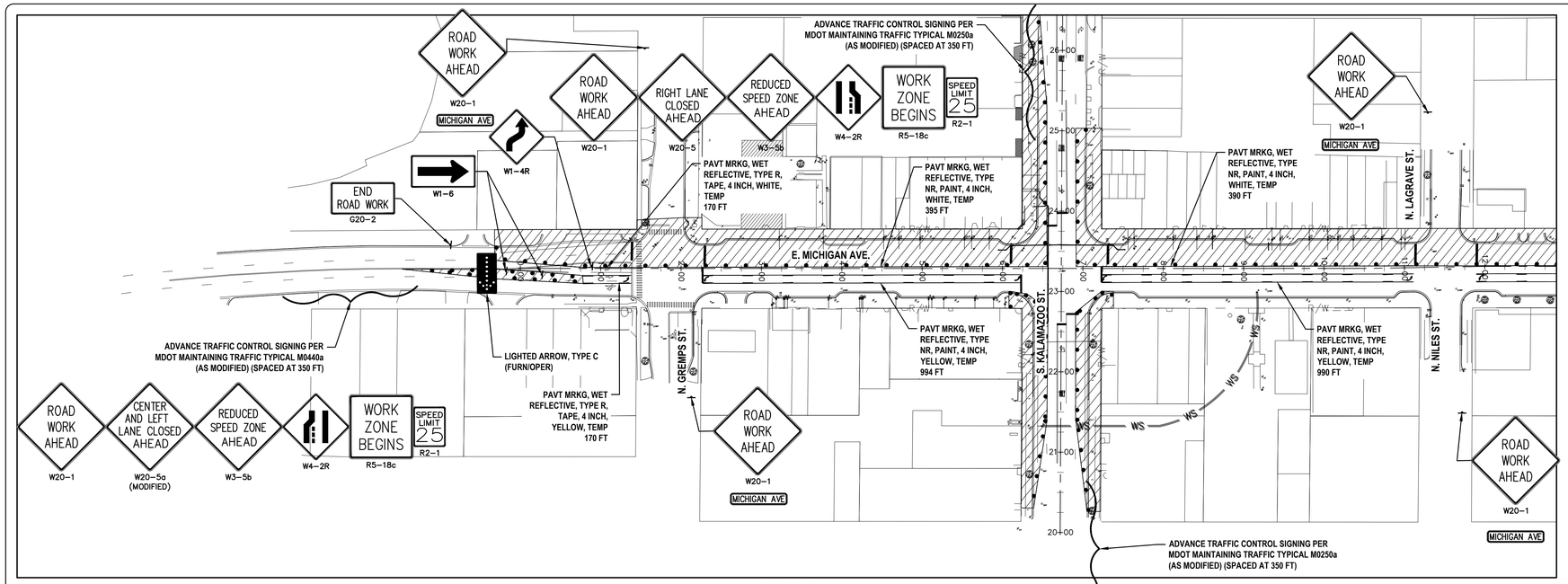
SIGNATURE:
DATE:

SCALE:
HORZ: 1" = 80'
VERT: N/A

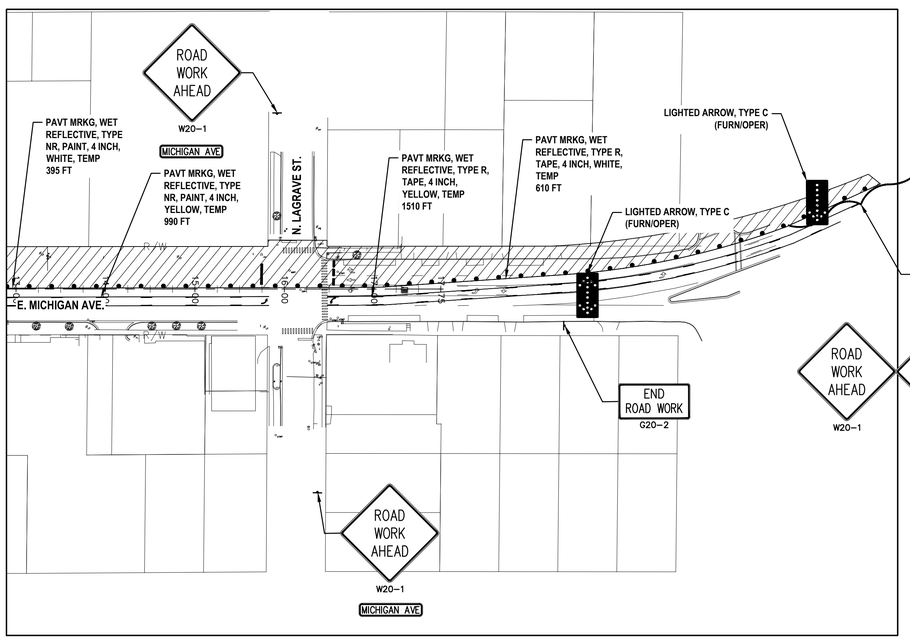
ACI JOB #
18-1687

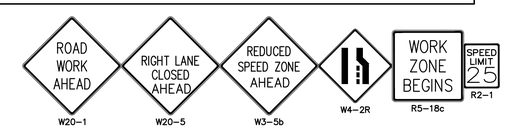
SHEET NO.
29 of 39

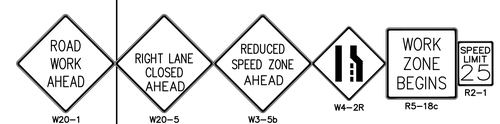
o:\Projects\2018\18-1687-village of paw paw - streetscape\CADD_Civil\Drawings\18-1687 TM PH3.dwg, TM PH3, 8/7/2020 8:42:59 AM, ekamps, 1:1



PHASE 4
SCALE: 1" = 80'







LEGEND

- PLASTIC DRUM, HIGH INTENSITY
- BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED
- TEMPORARY PAVEMENT MARKINGS
- LANE ASSIGNMENT MARKING (FOR INFORMATIONAL PURPOSES)

NOTE:
SEE SHEET X FOR QUANTITIES.

MAINTAIN ONE DRIVEWAY TO AND FROM PUBLIC SAFETY FACILITIES AT ALL TIMES.

COORDINATE WITH PUBLIC SAFETY FOR STAGING OF EMERGENCY VEHICLES DURING PAVING OPERATIONS.

MAINTAIN TWO WAY TRAFFIC WITH ONE LANE ON SIDE STREETS DURING APPROACH PAVING USING TRAFFIC REGULATORS.

SIDE STREETS TO BE CLOSED DURING ECHELON PAVING UNTIL ASPHALT HAS SUFFICIENTLY COOLED TO RECEIVE TRAFFIC.

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
TRAFFIC MAINTENANCE PLAN
PHASE 4

DRAWN BY: EK
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 80'
VERT: N/A
ACI JOB #
18-1687
SHEET NO.
30 of 39

LEGEND

- PLASTIC DRUM, HIGH INTENSITY
- BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED
- TEMPORARY PAVEMENT MARKINGS
- LANE ASSIGNMENT MARKING (FOR INFORMATIONAL PURPOSES)

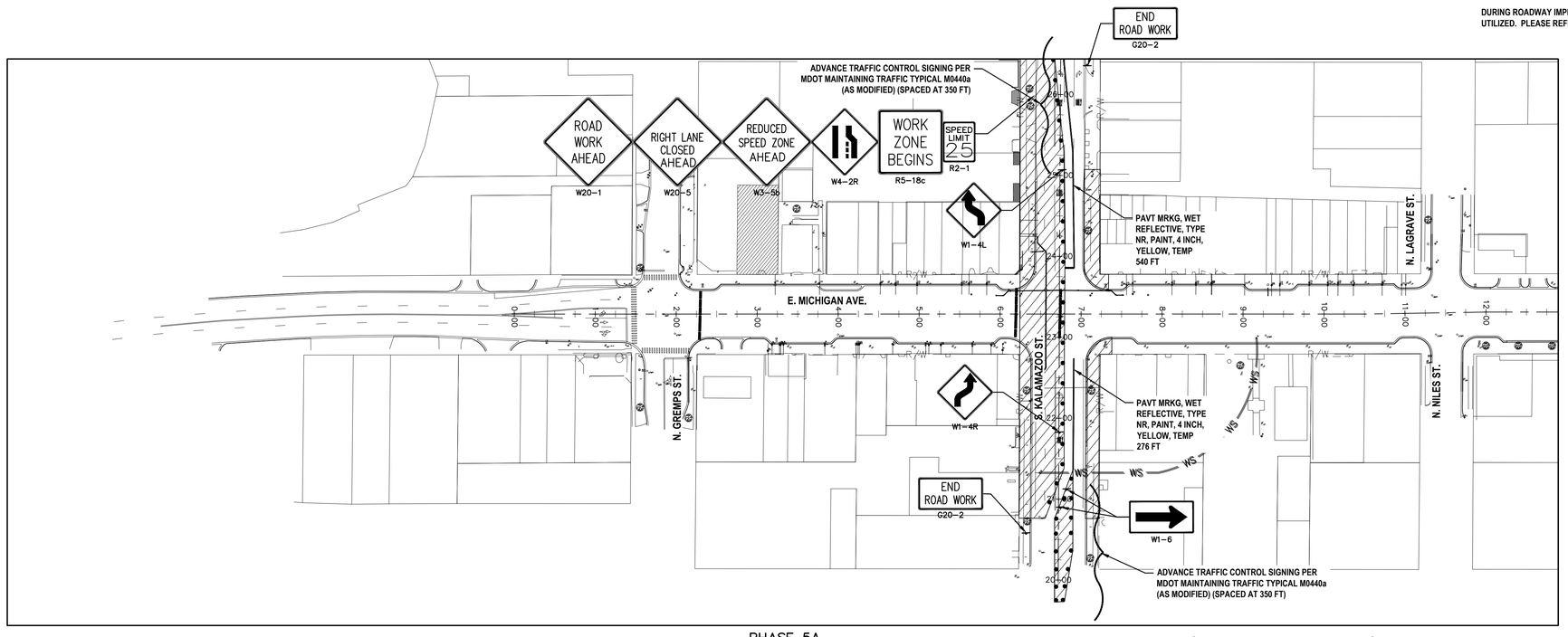
NOTE:
SEE SHEET 33 FOR QUANTITIES.

MAINTAIN ONE DRIVEWAY TO AND FROM PUBLIC SAFETY FACILITIES AT ALL TIMES.

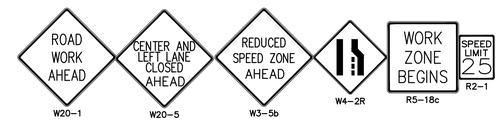
COORDINATE WITH PUBLIC SAFETY FOR STAGING OF EMERGENCY VEHICLES DURING PAVING OPERATIONS.

MAINTAIN TWO WAY TRAFFIC WITH ONE LANE ON SIDE STREETS DURING APPROACH PAVING USING TRAFFIC REGULATORS.

DURING ROADWAY IMPROVEMENTS DETOUR #1 WILL BE UTILIZED. PLEASE REFER TO SHEET 33 FOR REFERENCE.



PHASE 5A
SCALE: 1" = 80'



GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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PROJECT:
MICHIGAN AVENUE STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
TRAFFIC MAINTENANCE PLAN
PHASE 5A

DRAWN BY: EK
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 80'
VERT: N/A
ACI JOB #
18-1687
SHEET NO.

LEGEND

- PLASTIC DRUM, HIGH INTENSITY
- BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED
- TEMPORARY PAVEMENT MARKINGS
- LANE ASSIGNMENT MARKING (FOR INFORMATIONAL PURPOSES)

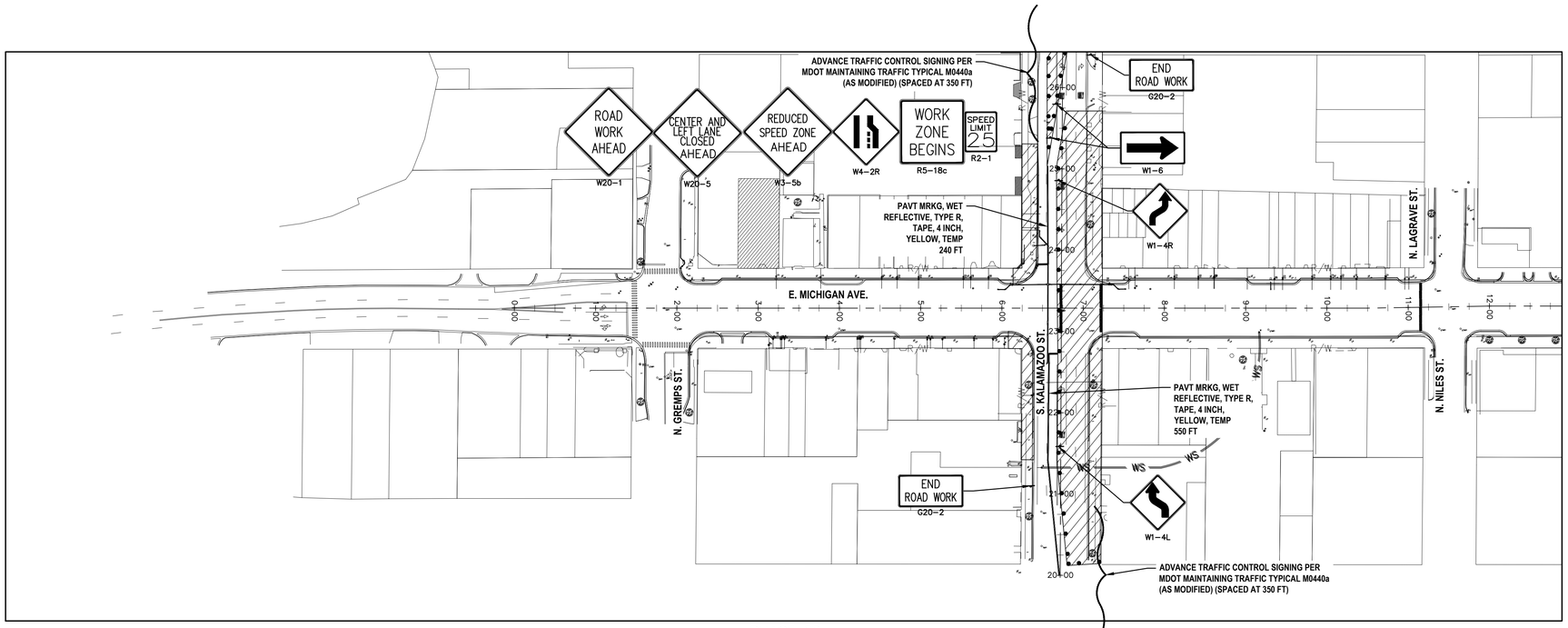
NOTE:
SEE SHEET 33 FOR QUANTITIES.

MAINTAIN ONE DRIVEWAY TO AND FROM PUBLIC SAFETY FACILITIES AT ALL TIMES.

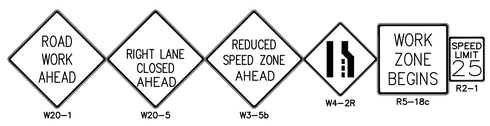
COORDINATE WITH PUBLIC SAFETY FOR STAGING OF EMERGENCY VEHICLES DURING PAVING OPERATIONS.

MAINTAIN TWO WAY TRAFFIC WITH ONE LANE ON SIDE STREETS DURING APPROACH PAVING USING TRAFFIC REGULATORS.

DURING ROADWAY IMPROVEMENTS DETOUR #3 WILL BE UTILIZED. PLEASE REFER TO SHEET 35 FOR REFERENCE.



PHASE 5B
SCALE: 1" = 80'



GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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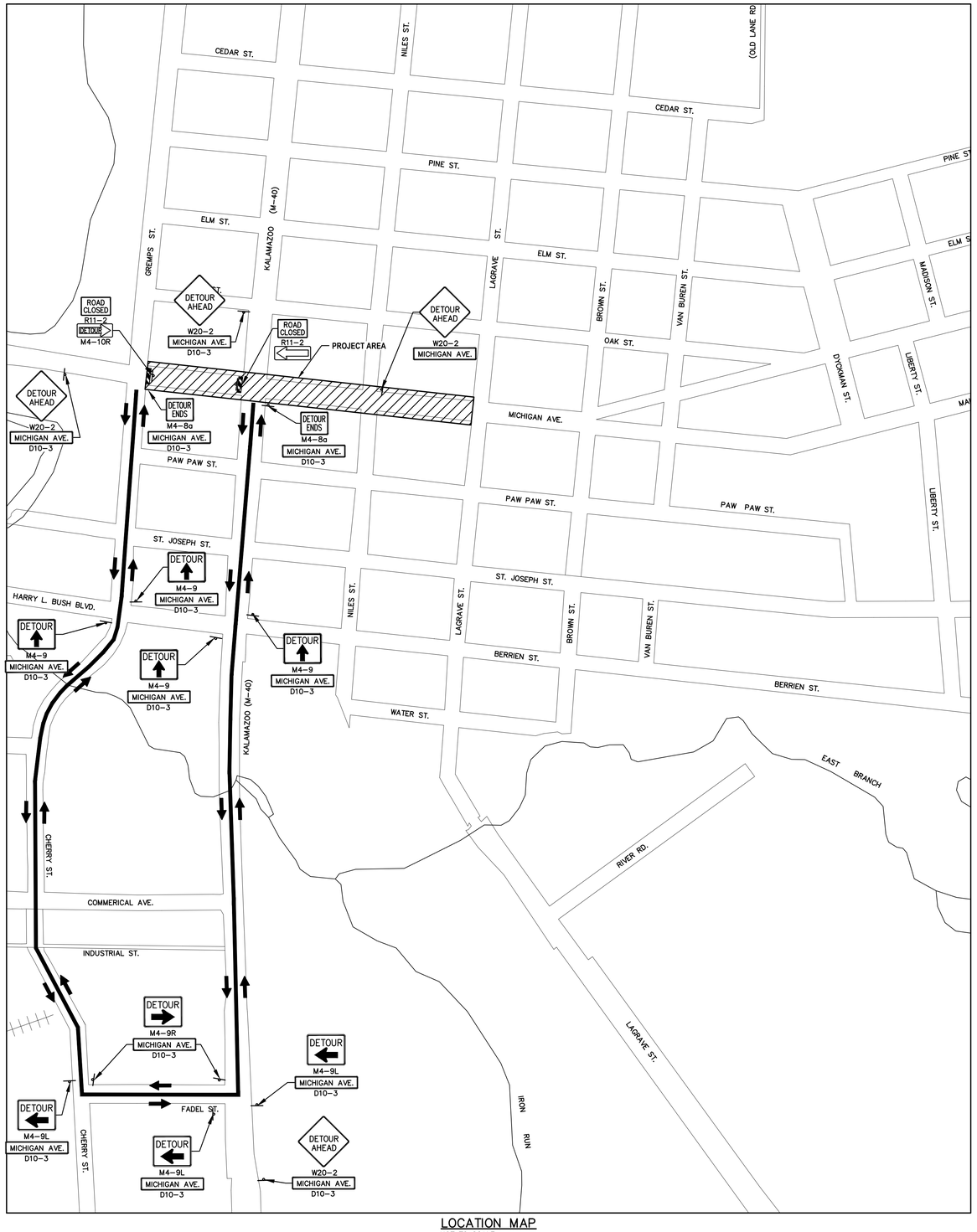
PROJECT:
MICHIGAN AVENUE STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
TRAFFIC MAINTENANCE PLAN
PHASE 5B

DRAWN BY: EK
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 80'
VERT: N/A
ACI JOB #
18-1687



LOCATION MAP
NOT TO SCALE

ESTIMATED SIGN, TYPE B, TEMPORARY PLAN QUANTITIES

SYMBOL	LABEL	DIM (FT)	AREA (SFT)	PHASE 1 QTY (EA)	PHASE 2 QTY (EA)	PHASE 3 QTY (EA)	PHASE 4 QTY (EA)	DETOUR A QTY (EA)	DETOUR B QTY (EA)	MAXIMUM QTY (SFT)
END ROAD WORK	G20-2	4' x 2'	8.0	0	0	0	0	0	0	0
	R3-1/2	2' x 2'	4.0	0	0	0	0	0	0	0
SPEED LIMIT 25	R2-1 (25)	2' x 2.5'	5.0	0	0	0	0	0	0	0
ONLY ONLY	R3-7b	2' x 3'	6.0	0	0	0	0	0	0	0
ONLY	R3-7d	2.5' x 3'	7.5	0	0	0	0	0	0	0
	R-7a	2' x 2.5'	5.0	0	0	0	0	0	0	0
WORK ZONE BEGINS	R5-18c	4' x 4'	16.0	0	0	0	0	0	0	0
SIDEWALK CLOSED	R9-9	2' x 1'	2.0	0	0	0	0	0	0	0
	W1-4L	4' x 4'	16.0	0	0	0	0	0	0	0
	W1-4R	4' x 4'	16.0	0	0	0	0	0	0	0
	W1-6	4' x 2'	8.0	0	0	0	0	0	0	0
REDUCED SPEED ZONE AHEAD	W3-5b	4' x 4'	16.0	0	0	0	0	0	0	0
	W4-2L	4' x 4'	16.0	0	0	0	0	0	0	0
	W4-2R	4' x 4'	16.0	0	0	0	0	0	0	0
BUMP	W8-1	4' x 4'	16.0	0	0	0	0	0	0	0
	W9-3a	4' x 4'	16.0	0	0	0	0	0	0	0
ROAD WORK AHEAD	W20-1	4' x 4'	16.0	0	0	0	0	0	0	0
RIGHT LANE CLOSED AHEAD	W20-5a	4' x 4'	16.0	0	0	0	0	0	0	0
LEFT LANE CLOSED AHEAD	W20-5a	4' x 4'	16.0	0	0	0	0	0	0	0
LEFT LANE CLOSED AHEAD	W20-5a (MODIFIED)	4' x' 4'	16.0	0	0	0	0	0	0	0
MDOT TYPICAL: M0040a			68.0	0	0	0	0	0	0	0
								TOTAL SIGNAGE (SFT):		0

NO.	REVISION DESCRIPTION:	BY:	DATE:

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
DETOUR - 1

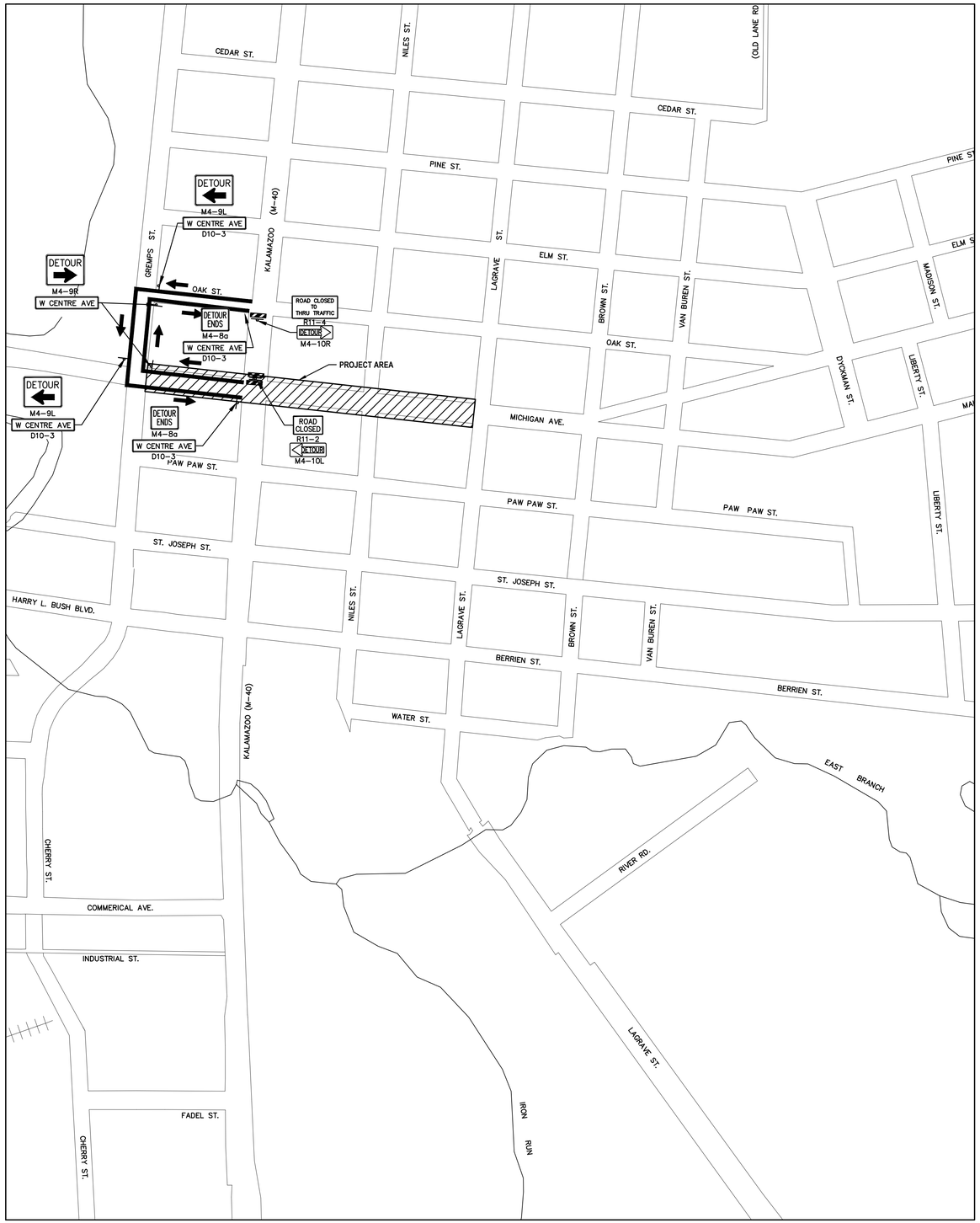
DRAWN BY: DL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:

SIGNATURE:
DATE:

SCALE:
HORZ: N/A
VERT: N/A

ACI JOB #
18-1687

SHEET NO.



LOCATION MAP
NOT TO SCALE

ESTIMATED SIGN, TYPE B, TEMPORARY PLAN QUANTITIES

SYMBOL	LABEL	DIM (FT)	AREA (SFT)	PHASE 1 QTY (EA)	PHASE 2 QTY (EA)	PHASE 3 QTY (EA)	PHASE 4 QTY (EA)	DETOUR A QTY (EA)	DETOUR B QTY (EA)	MAXIMUM QTY (SFT)
END ROAD WORK	G20-2	4' x 2'	8.0	0	0	0	0	0	0	0
	R3-1/2	2' x 2'	4.0	0	0	0	0	0	0	0
SPEED LIMIT 25	R2-1 (25)	2' x 2.5'	5.0	0	0	0	0	0	0	0
ONLY ONLY	R3-7b	2' x 3'	6.0	0	0	0	0	0	0	0
ONLY	R3-7d	2.5' x 3'	7.5	0	0	0	0	0	0	0
	R-7a	2' x 2.5'	5.0	0	0	0	0	0	0	0
WORK ZONE BEGINS	R5-18c	4' x 4'	16.0	0	0	0	0	0	0	0
SIDEWALK CLOSED	R9-9	2' x 1'	2.0	0	0	0	0	0	0	0
	W1-4L	4' x 4'	16.0	0	0	0	0	0	0	0
	W1-4R	4' x 4'	16.0	0	0	0	0	0	0	0
	W1-6	4' x 2'	8.0	0	0	0	0	0	0	0
REDUCED WIDTH ZONE AHEAD	W3-5b	4' x 4'	16.0	0	0	0	0	0	0	0
	W4-2L	4' x 4'	16.0	0	0	0	0	0	0	0
	W4-2R	4' x 4'	16.0	0	0	0	0	0	0	0
BUMP	W8-1	4' x 4'	16.0	0	0	0	0	0	0	0
	W9-3a	4' x 4'	16.0	0	0	0	0	0	0	0
ROAD WORK AHEAD	W20-1	4' x 4'	16.0	0	0	0	0	0	0	0
RIGHT LANE CLOSED 1/2 MILE	W20-5a	4' x 4'	16.0	0	0	0	0	0	0	0
CENTER LANE CLOSED 1/2 MILE	W20-5a	4' x 4'	16.0	0	0	0	0	0	0	0
LEFT LANE CLOSED 1/2 MILE	W20-5a (MODIFIED)	4' x' 4'	16.0	0	0	0	0	0	0	0
MDOT TYPICAL: M0040a			68.0	0	0	0	0	0	0	0
									TOTAL SIGNAGE (SFT):	0

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

DETOUR - 2

SHEET TITLE:
DRAWN BY: DL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: N/A
VERT: N/A
ACI JOB # 18-1687
SHEET NO. 34 of 39

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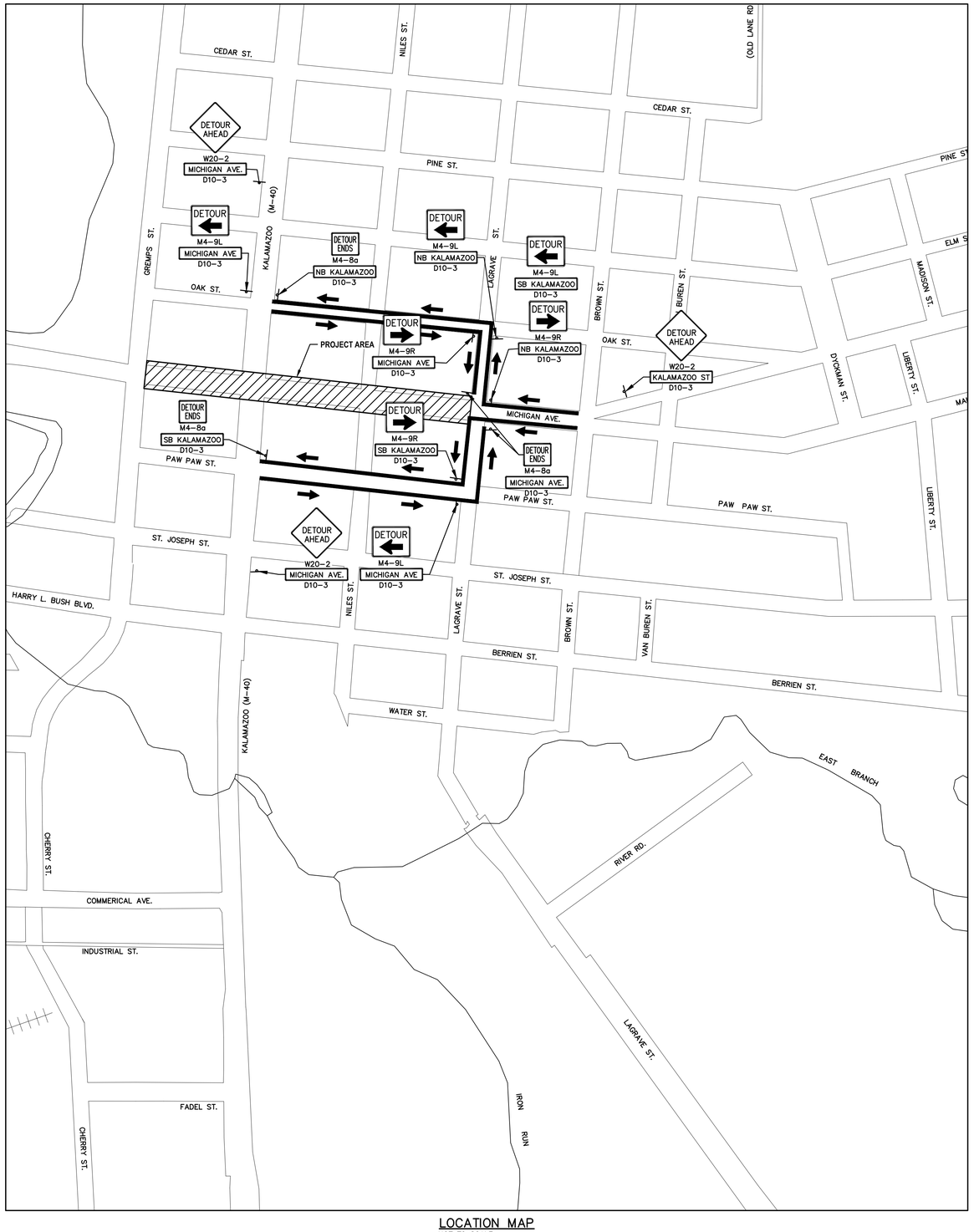

LOCATION MAP
NOT TO SCALE

ESTIMATED SIGN, TYPE B, TEMPORARY PLAN QUANTITIES

SYMBOL	LABEL	DIM (FT)	AREA (SFT)	PHASE 1 QTY (EA)	PHASE 2 QTY (EA)	PHASE 3 QTY (EA)	PHASE 4 QTY (EA)	DETOUR A QTY (EA)	DETOUR B QTY (EA)	MAXIMUM QTY (SFT)
END ROAD WORK	G20-2	4' x 2'	8.0	0	0	0	0	0	0	0
	R3-1/2	2' x 2'	4.0	0	0	0	0	0	0	0
SPEED LIMIT 25	R2-1 (25)	2' x 2.5'	5.0	0	0	0	0	0	0	0
ONLY ONLY	R3-7b	2' x 3'	6.0	0	0	0	0	0	0	0
ONLY	R3-7d	2.5' x 3'	7.5	0	0	0	0	0	0	0
	R-7a	2' x 2.5'	5.0	0	0	0	0	0	0	0
WORK ZONE BEGINS	R5-18c	4' x 4'	16.0	0	0	0	0	0	0	0
SIDEWALK CLOSED	R9-9	2' x 1'	2.0	0	0	0	0	0	0	0
	W1-4L	4' x 4'	16.0	0	0	0	0	0	0	0
	W1-4R	4' x 4'	16.0	0	0	0	0	0	0	0
	W1-6	4' x 2'	8.0	0	0	0	0	0	0	0
NEW SPEED ZONE AHEAD	W3-5b	4' x 4'	16.0	0	0	0	0	0	0	0
	W4-2L	4' x 4'	16.0	0	0	0	0	0	0	0
	W4-2R	4' x 4'	16.0	0	0	0	0	0	0	0
BUMP	W8-1	4' x 4'	16.0	0	0	0	0	0	0	0
	W9-3a	4' x 4'	16.0	0	0	0	0	0	0	0
NEW WORK AHEAD	W20-1	4' x 4'	16.0	0	0	0	0	0	0	0
RIGHT LANE CLOSED AHEAD	W20-5a	4' x 4'	16.0	0	0	0	0	0	0	0
CENTER LANE CLOSED AHEAD	W20-5a	4' x 4'	16.0	0	0	0	0	0	0	0
LEFT LANE CLOSED AHEAD	W20-5a (MODIFIED)	4' x' 4'	16.0	0	0	0	0	0	0	0
MDOT TYPICAL: M0040a			68.0	0	0	0	0	0	0	0
									TOTAL SIGNAGE (SFT):	0

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
DETOUR - 3

DRAWN BY: DL
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:

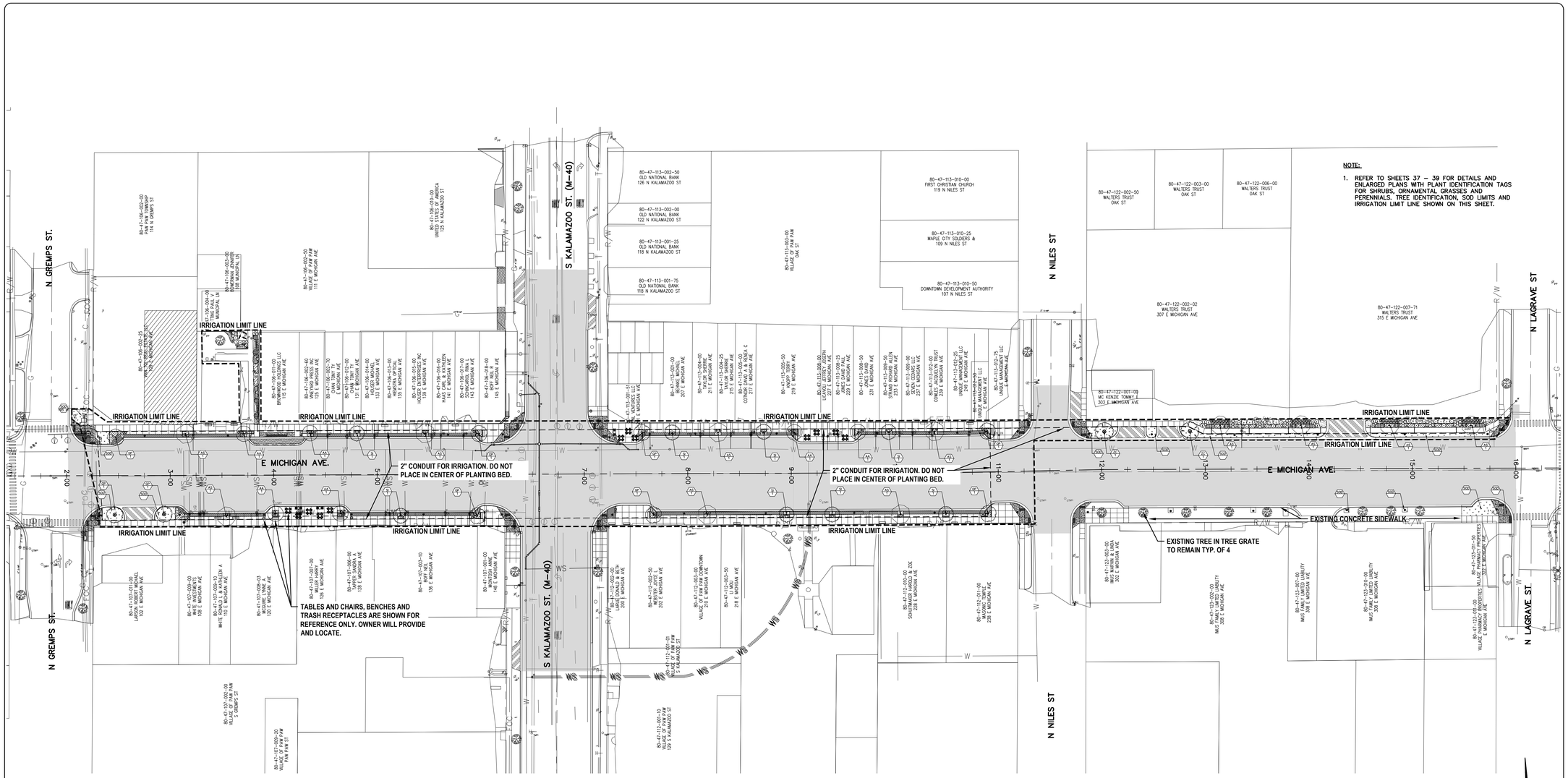
SIGNATURE:
DATE:

SCALE:
HORZ: N/A
VERT: N/A

ACI JOB # 18-1687

SHEET NO.

u:\Projects\2018\18-1687-village of paw paw - streetscape\CADD_Civil\Drawings\18-1687DETOUR.dwg, DETOUR-3, 8/7/2020 9:44:08 AM, ckamps, 1:1



NOTE:

1. REFER TO SHEETS 37 – 39 FOR DETAILS AND ENLARGED PLANS WITH PLANT IDENTIFICATION TAGS FOR SHRUBS, ORNAMENTAL GRASSES AND PERENNIALS. TREE IDENTIFICATION, SOD LIMITS AND IRRIGATION LIMIT LINE SHOWN ON THIS SHEET.

LANDSCAPE/IRRIGATION NOTES

1. ENTIRE PROJECT LIMITS AREA TO BE IRRIGATED EXCLUDING HARDSCAPE AREAS. REFER TO IRRIGATION LIMITS PLAN THIS SHEET. CONTRACTOR TO DESIGN IRRIGATION SYSTEM TO HAVE ALL HEADS LOCATED SO AS NOT TO SPRAY WATER ONTO FACADES OF BUILDINGS OR ACROSS WALKWAYS. NO DRIP LINE IRRIGATION WILL BE PERMITTED EXCEPT AS SPECIFIED FOR HANGING BASKET LIGHTING OPTION. LAWN AREAS, LIGHTING HANGING BASKETS AND LANDSCAPE BEDS SHALL BE ON SEPARATE ZONES. CONTRACTOR TO CONCEAL BACKFLOW PREVENTERS, METERS, ETC WITHIN PLANT BEDS WITH LOCATIONS TO BE APPROVED BY THE LANDSCAPE ARCHITECT.
2. ALL SPRINKLER HEADS AND LINES SHALL BE PLACED ALONG EDGE OF PAVED SURFACES LINES SHALL NOT BE PLACED ACROSS CENTER OF PLANTERS TO OBSTRUCT PLACEMENT OF TREES. SUBMIT IRRIGATION PLAN FOR REVIEW.
3. ALL LANDSCAPE BED AREAS NOT ADJACENT TO HARDSCAPE SURFACE TO INCLUDE COMMERCIAL GRADE ALUMINUM EDGING 3/16" MIN. FOR MOWING STRIP. EDGING TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.
4. ALL DISTURBED NON-HARDSCAPE AREAS AND NON PLANT BED AREAS TO BE FINE GRADED. APPLY FERTILIZER AND SOIL AMENDMENTS AT THE RECOMMENDED RATE WORKING INTO THE SOIL PLACE SOD AS DIRECTED.
5. ALL PLANT BED AREAS TO CONTAIN A MINIMUM DEPTH OF 2/3 TOPSOIL 1/3 PEAT MOSS. SHRUB AND TREE PLANTING AREAS TO CONTAIN DEPTHS AS SHOWN ON DETAILS.
6. ALL PLANT BED AREAS TO CONTAIN A MINIMUM DEPTH OF 3" SHREDDED HARDWOOD MULCH. COLOR TO BE NATURAL. SUBMIT SAMPLE FOR APPROVAL.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

NO.	REVISION DESCRIPTION:	BY:	DATE:

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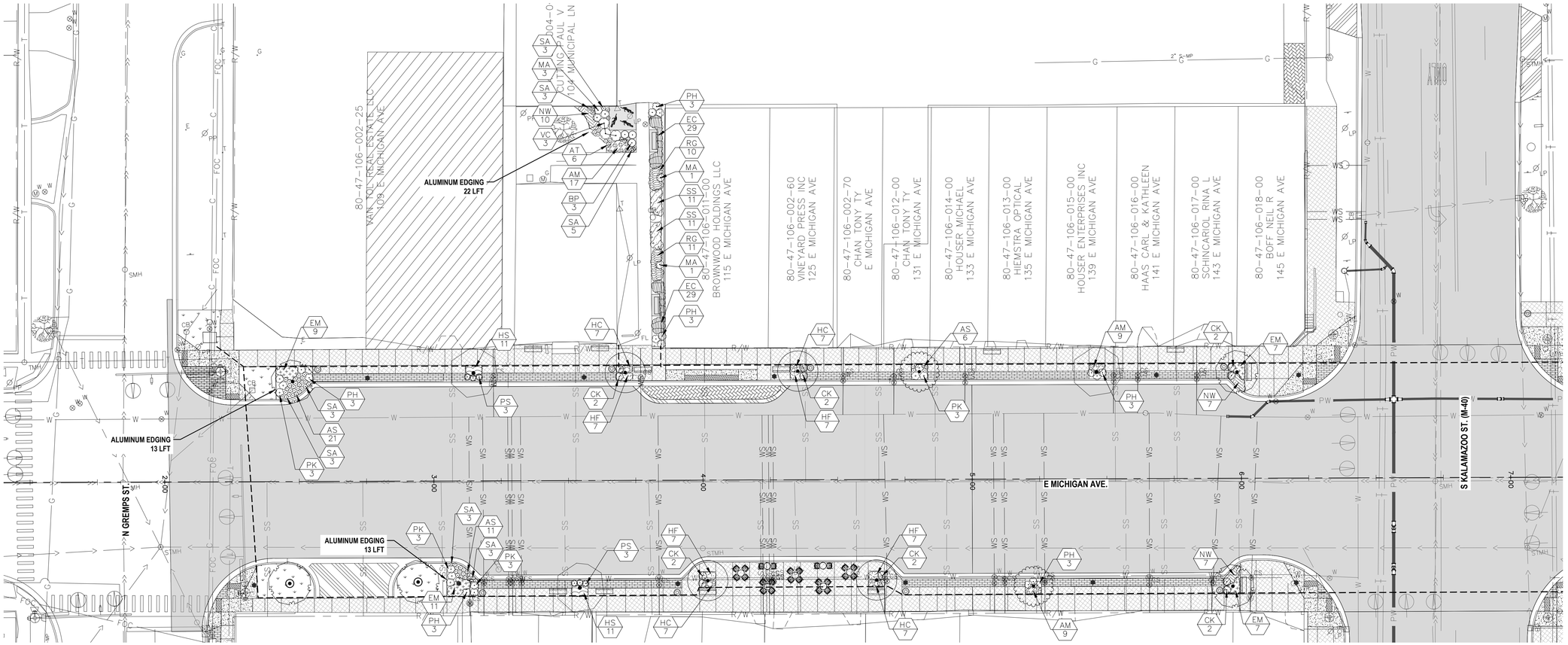
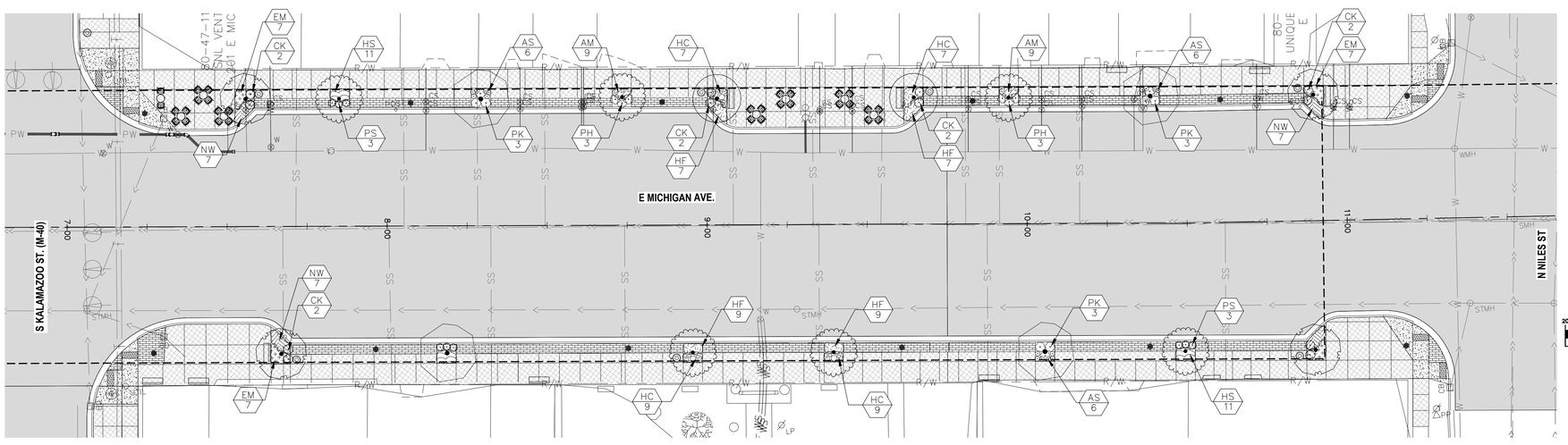
PROJECT:
MICHIGAN AVENUE STREETSCAPE PROJECT VILLAGE OF PAW PAW

SHEET TITLE:
OVERALL LANDSCAPE PLAN

DRAWN BY: KB
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 50'
VERT: N/A
ACI JOB # 18-1687





GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

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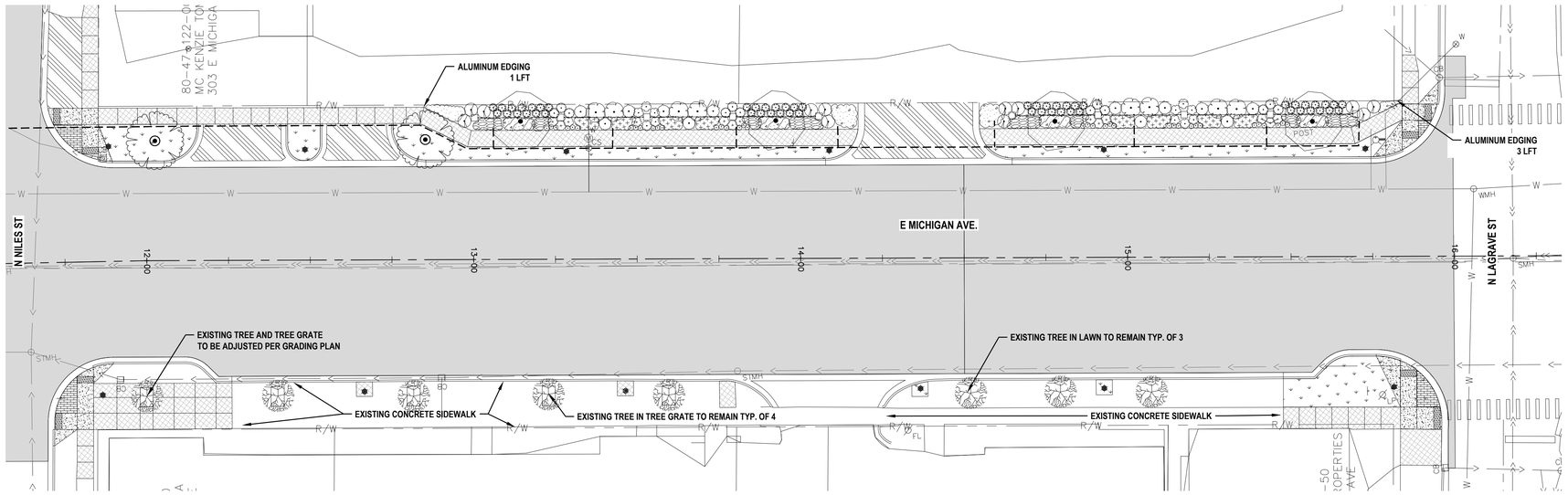
PROJECT:

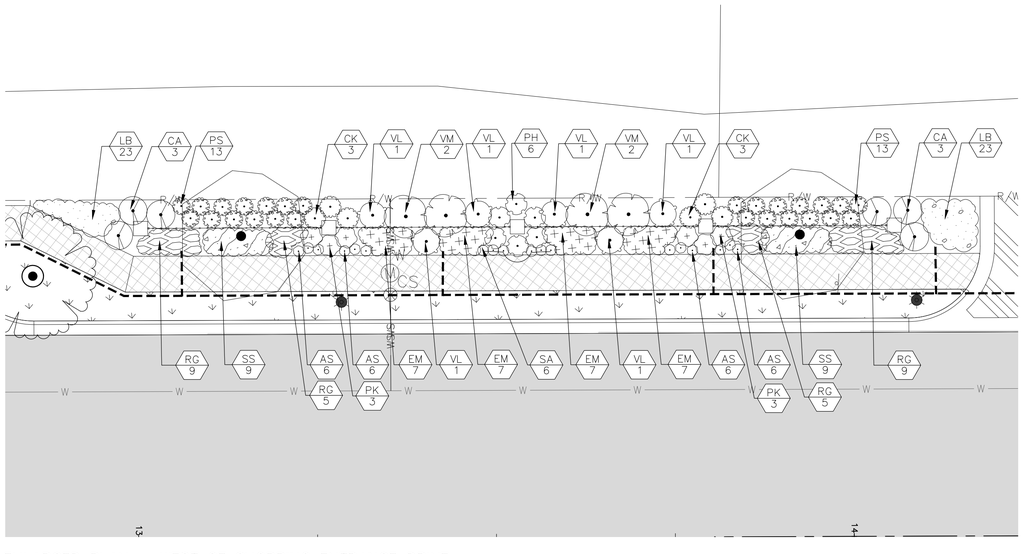
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:

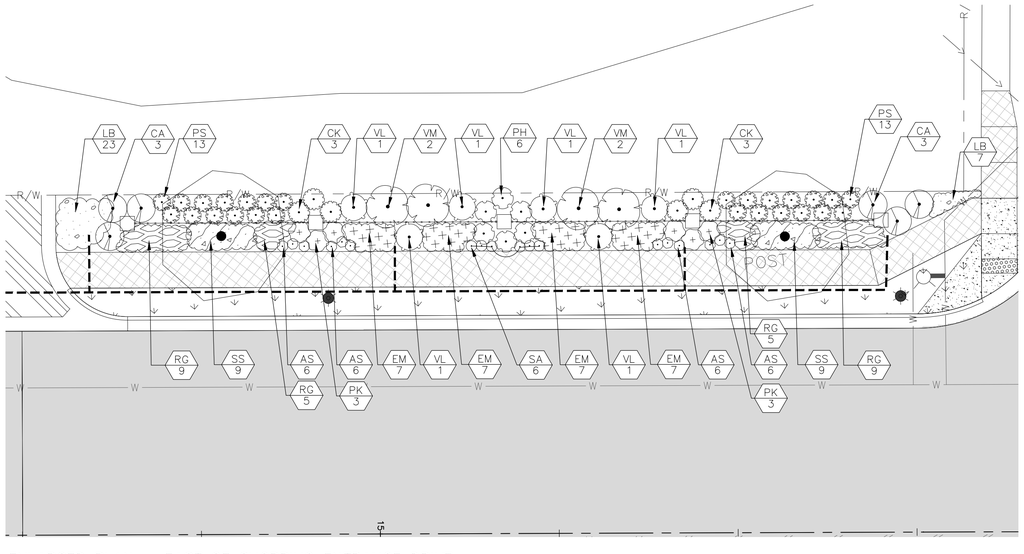
LANDSCAPE PLAN - 1

DRAWN BY: KB
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:
SIGNATURE:
DATE:
SCALE:
HORZ: 1" = 20'
VERT: N/A
ACI JOB #
18-1687
SHEET NO.
37 of 39





ENLARGED PLAN – WEST OF SHOPPING ENTRANCE DRIVE
SCALE: 1" = 10'0"



ENLARGED PLAN – EAST OF SHOPPING ENTRANCE DRIVE
SCALE: 1" = 10'0"

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PROJECT:
MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:
LANDSCAPE PLAN - 2

DRAWN BY: KB
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:

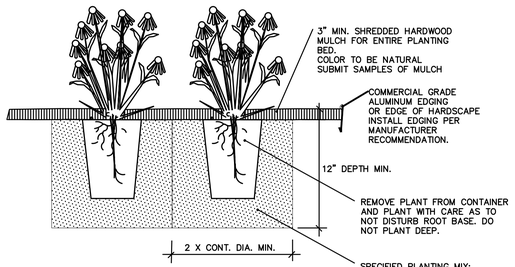
SIGNATURE:
DATE:

SCALE:
HORZ: 1" = 20'
VERT: N/A

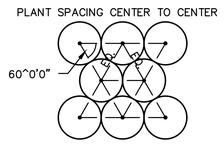
ACI JOB #
18-1687

SHEET NO.
38 of 39

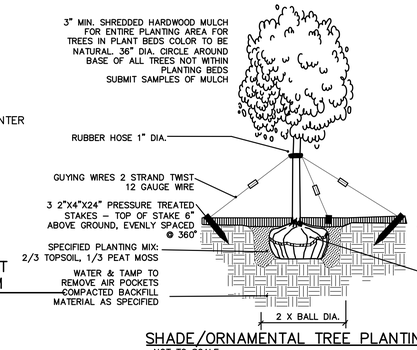
Item Description	Unit	Sht 39 Quantity
Aluminum Edging	Ft	52
Shredded Hardwood Mulch, 3 inch	Syd	400
Automated Irrigation System	LSUM	1



CONTAINER GROWN PLANTING SECTION
NOT TO SCALE



STAGGERED PLANT SPACING DIAGRAM
NOT TO SCALE



PLANTING SOIL MIX, TREE WRAPPING AND STAKING, PAID FOR AS PART OF PLANT PAY ITEM

GENERAL NOTES:

- CONTRACTOR CAN ELECT TO ELIMINATE STAKING IN AREAS PROXIMAL TO PEDESTRIAN CIRCULATION, PROVIDED CONTRACTOR AGREES IN WRITING TO STRAIGHTEN ANY CROOKED TREES UNTIL ESTABLISHED.
- PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISH GRADE ON EXISTING SOIL BASE. FOR BACKFILL AREAS, PLANT BALL UP TO 2 1/2" – 3" HIGHER TO ALLOW FOR SETTLEMENT
- FLAG GUYING WIRES WITH SURVEYOR TAPE FOR TREES

SHADE/ORNAMENTAL TREE PLANTING DETAIL
NOT TO SCALE

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	REMARKS
	AA	Acer rubrum `Armstrong'	Armstrong Red Maple	2.5" BB	6	6' Min. Lowest Branches
	GP	Ginkgo biloba `Princeton Sentry'	Princeton Sentry Gingko	2"BB	9	6' Min. Lowest Branches
	SI	Syringa reticulata `Ivory Silk'	Ivory Silk Japanese Tree Lilac	2"BB	8	6' Min. Lowest Branches
	ZC	Zelkova serrata `JFS-KW1' TM	City Sprite Zelkova	2"BB	2	6' Min. Lowest Branches

SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS
	BP	Buddleja x `SMNBDBT' TM	Pugster Blue Dwarf Butterfly Bush	2 Gal	36" o.c.	3	
	CA	Cornus sericea `Arctic Fire'	Arctic Fire Dogwood	3 Gal	48" o.c.	12	
	VC	Viburnum carlesii `Spice Baby'	Korean Spice Viburnum	3 Gal	48" o.c.	3	
	VM	Viburnum dentatum `Blue Muffin'	Blue Muffin Viburnum	5 Gal	72" o.c.	8	
	VL	Viburnum dentatum `Little Joe'	Little Joe Viburnum	3 Gal	48" o.c.	12	Pollinator for Blue Muffin

ORNAMENTAL GRASSES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS
	CK	Calamagrostis x acutiflora `Karl Foerster'	Feather Reed Grass	2 Gal	36" o.c.	36	
	MA	Miscanthus sinensis `Adagio'	Adagio Maiden Grass	2 Gal	36" o.c.	5	
	PH	Panicum virgatum `Heavy Metal'	Heavy Metal Switch Grass	2 Gal	36" o.c.	36	
	PS	Panicum virgatum `Shenandoah'	Shenandoah Switch Grass	2 Gal	30" o.c.	67	
	PK	Pennisetum alopecuroides `Karley Rose'	Karley Rose Fountain Grass	2 Gal	36" o.c.	30	

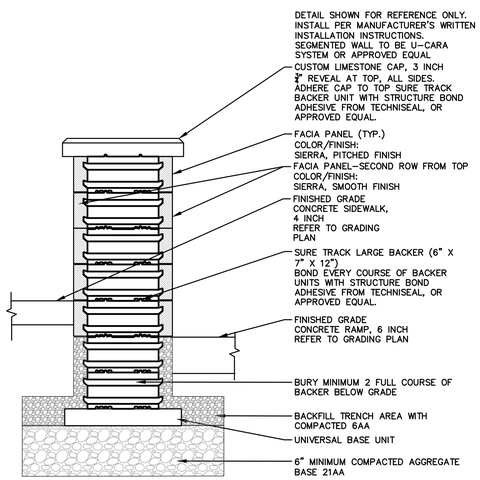
PERENNIALS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS
	AT	Allium x `Millenium'	Millenium Ornamental Onion	1 Gal	18" o.c.	6	
	AS	Allium x `Summer Beauty'	Summer Beauty Allium	1 Gal	18" o.c.	91	
	SA	Sedum x `Autumn Joy'	Autumn Joy Sedum	1 Gal	18" o.c.	35	

ORNAMENTAL GRASSES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS
	SS	Schizachyrium scoparium `The Blues'	The Blues Little Bluestem Grass	1 Gal	24" o.c.	58	

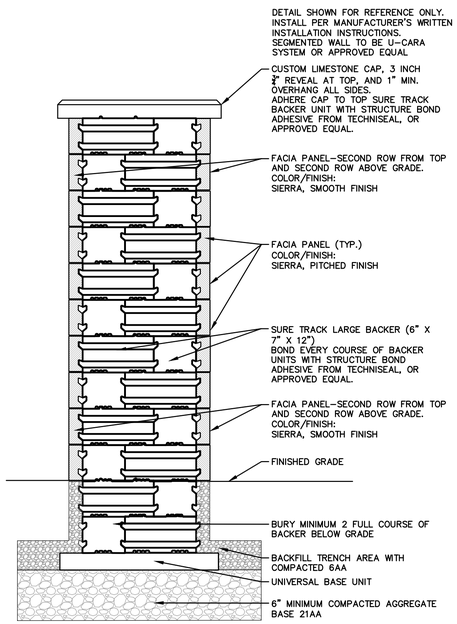
PERENNIAL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS
	AM	Achillea millefolium `Moonshine'	Moonshine Yarrow	1 Gal	18" o.c.	53	
	EM	Echinacea purpurea `Magnus'	Magnus Purple Coneflower	1 Gal	24" o.c.	118	
	EC	Echinacea x `Cheyenne Spirit'	Cheyenne Spirit Coneflower	1 Gal	18" o.c.	58	
	HS	Hemerocallis x `Stella de Oro'	Stella de Oro Daylily	1 Gal	18" o.c.	55	
	HC	Heuchera x `Caramel'	Caramel Coral Bells	1 Gal	18" o.c.	58	
	HF	Heuchera x `Forever Purple'	Forever Purple Coral Bells	1 Gal	18" o.c.	82	
	NW	Nepeta x faassenii `Walkers Low'	Walkers Low Catmint	1 Gal	24" o.c.	52	
	RG	Rudbeckia fulgida sullivantii `Goldsturm'	Goldstrum Black-eyed Susan	1 Gal	24" o.c.	76	

GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
	LB	Liriope muscari `Big Blue'	Big Blue Lilyturf	1 Gal	18" o.c.	

LAWN	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
	SOD	Poa pratensis Sod	Kentucky Bluegrass Sod	--		



SEGMENTAL FREESTANDING WALL
NOT TO SCALE



SEGMENTAL FREESTANDING COLUMN
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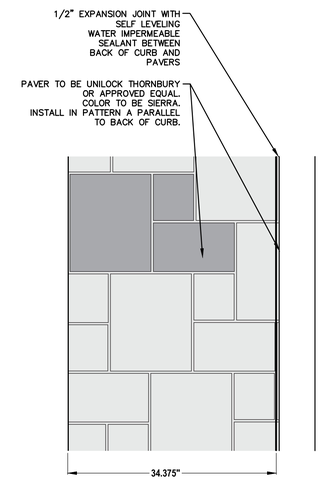
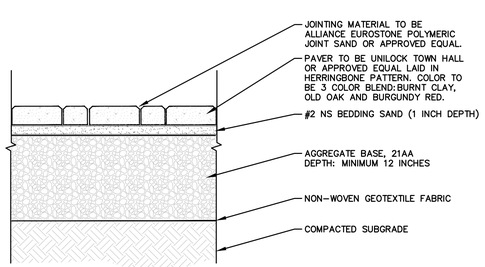
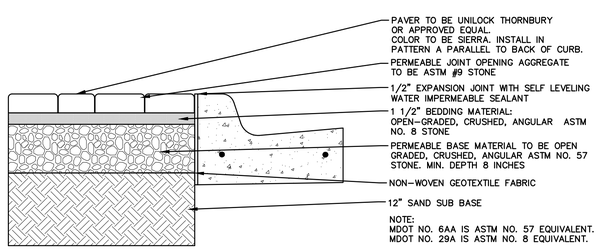


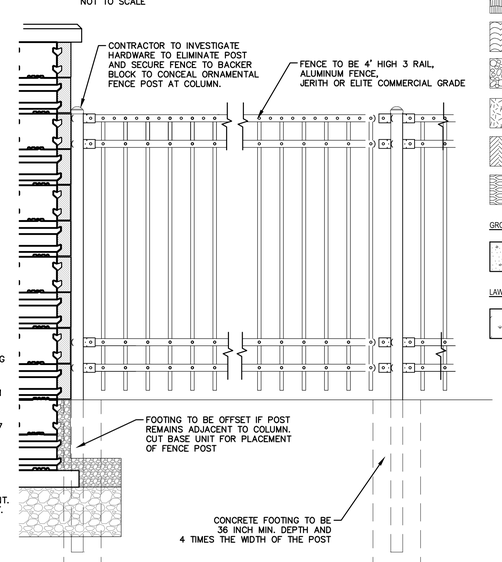
THORNBURY PATTERN A PLAN VIEW
NOT TO SCALE



VEHICULAR PAVER DETAIL
NOT TO SCALE



PERMEABLE SIDEWALK PAVER DETAIL
NOT TO SCALE



ORNAMENTAL FENCE/COLUMN DETAIL
NOT TO SCALE

NO.	REVISION DESCRIPTION:	BY:	DATE:

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PROJECT:

MICHIGAN AVENUE
STREETSCAPE PROJECT
VILLAGE OF PAW PAW

SHEET TITLE:

LANDSCAPE DETAILS

DRAWN BY: KB
DESIGNED BY: JG/EK
PM REVIEW: DAD
QA/QC REVIEW:
DATE: AUGUST 2020
SEAL:

SIGNATURE:
DATE:

SCALE:
HORZ: AS NOTED
VERT: N/A

ACI JOB #
18-1687

SHEET NO.
39 of 39

O:\Projects\2018\18-1687 Village of Paw Paw - Streetscape\CADD_Civil\Drawings\18-1687 L1.dwg, LS DETAILS, 8/7/2020 2:41:12 PM, kbarczak, 1:1