

# CITY OF KALAMAZOO

## STREETS FOR ALL: MICHIKAL IMPROVEMENTS



**WIGHTMAN**

433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
269.327.3532

www.gowightman.com

### NOTES

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED THEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE 2020 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION.

THE PLACING OF PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SHALL BE DONE IN ACCORDANCE WITH THE 2011 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS AMENDED.

IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, ALL CONTRACTORS SHALL CALL MISS DIG @ 811 OR 800-482-7171 FOR PROTECTION OF UNDERGROUND UTILITIES A MINIMUM OF THREE FULL WORKING DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO BEGINNING EACH EXCAVATION IN ANY AREA. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

### TRAFFIC DATA

#### MICHIKAL STREET

DESIGN SPEED	=	30 MPH
POSTED SPEED	=	30 MPH
ADT (2024)	=	9,000
ADT (2044)	=	16,250
DHV (2044)	=	1,625
% TRUCKS (2024 & 2044)	=	3%

### UTILITIES

<b>CABLE:</b>	CHARTER COMMUNICATIONS 4176 COMMERCIAL AVENUE PORTAGE, MI 49002 BRYAN LONGCORE (269) 459-8746 BRYAN.LONGCORE2@CHARTER.COM	<b>FIBER OPTIC:</b>	LUMEN 19675 WEST 10 MILE ROAD SOUTHFIELD, MI 48075 DAVE HUCKFELDT (517) 812-2592 DAVE.HUCKFELDT@LUMEN.COM
	COMCAST CABLE COMMUNICATIONS 2526 TELEGRAPH ROAD SOUTHFIELD, MI 48034 JEFF DOBIES (734) 359-1669 JEFF_DOBIES@CABLE.COMCAST.COM		MIDWEST COMMUNICATIONS 60590 DECATUR ROAD CASSOPOLIS, MI 49031 LARRY POWELL (269) 963-7173 LARRYMCS@VOYAGER.NET
<b>ELECTRIC:</b>	CONSUMERS ENERGY 2500 E. CORK STREET KALAMAZOO, MI 49001 ANDRE TAYLOR (269) 337-2245 ANDRE.TAYLOR@CMSENERGY.COM		ZAYO FIBER GEORGE HUSS (443) 403-2023 GEORGE.HUSS@ZAYO.COM
	CONSUMERS ENERGY METRO 2500 E. CORK STREET KALAMAZOO, MI 49001 RYAN WALCOTT (616) 302-3041 RYAN.WALCOTT@CMSENERGY.COM		MCI FIBER GEORGE HUSS (443) 403-2023 GEORGE.HUSS@ZAYO.COM
<b>GAS:</b>	CONSUMERS ENERGY 2500 E. CORK STREET KALAMAZOO, MI 49001 TYLER LAWRENCE (269) 337-2366 TYLER.LAWRENCE@CMSENERGY.COM		CITY OF KALAMAZOO 415 E. STOCKBRIDGE AVENUE KALAMAZOO, MI 49001 RON RIDENOUR (269) 337-3601 RIDENOURR@KALAMAZOOCITY.ORG
		<b>TRAFFIC:</b>	CITY OF KALAMAZOO 415 E. STOCKBRIDGE AVENUE KALAMAZOO, MI 49001 DENNIS RANDOLPH, P.E., P.T.O.E. (269) 337-8612 RANDOLPHD@KALAMAZOOCITY.ORG
<b>TELEPHONE:</b>	AT&T 2919 MILLCORK STREET KALAMAZOO, MI 49001 PHIL BARDOCCZ (269) 384-4476 PB3132@ATT.COM	<b>WATER:</b>	CITY OF KALAMAZOO 415 E. STOCKBRIDGE AVENUE KALAMAZOO, MI 49001 ERIC SAJTAR, P.E. (269) 491-3882 SAJTARE@KALAMAZOOCITY.ORG
<b>PUBLIC WORKS:</b>	CITY OF KALAMAZOO 415 E. STOCKBRIDGE KALAMAZOO, MI 49001 ANTHONY LADD (269) 337-8601 LADDA@KALAMAZOOCITY.ORG	<b>SEWER:</b>	CITY OF KALAMAZOO 1415 NORTH HARRISON STREET KALAMAZOO, MI 49007 SOHIL MANJIYANI (269) 216-1794 MANJIYANIS@KALAMAZOOCITY.ORG
<b>*MISS DIG*</b>	811		

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C039	LANDSCAPE PLAN - ALTERNATE A - DETAILS AND PLANT LIST

PHILIP A. DOORLAG  
6201067363

PROJECT NAME:

**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

**CITY OF  
KALAMAZOO**

415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001

06 03/08/2024 PAD  
RE-ISSUED FOR BIDDING

05 12/01/2023 PAD  
ISSUED FOR BIDDING

04 10/25/2023 PAD  
90% SUBMITTAL

03 07/24/2023 PAD  
RE-ISSUED FOR EGGLE PART  
399 PERMIT

02 07/03/2023 PAD  
ISSUED FOR EGGLE PART  
399 PERMIT

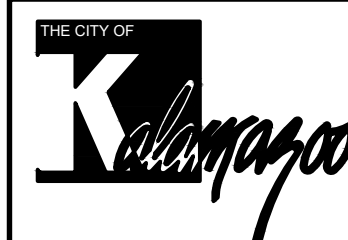
01 06/30/2023 PAD  
70% SUBMITTAL

### REVISIONS

DATE: MARCH, 2024  
SCALE: AS NOTED

### CONTRACT FOR ROAD IMPROVEMENTS

0.27 MILES OF ROADWAY IMPROVEMENTS ON MICHIKAL STREET INCLUDING FULL DEPTH ROADWAY RECONSTRUCTION AND REALIGNMENT, STORM SEWER IMPROVEMENTS, CONCRETE CURB & GUTTER, CONCRETE SIDEWALK AND ADA RAMP IMPROVEMENTS, CONCRETE SHARED USE PATH, PAVEMENT MARKINGS, PERMANENT SIGNS, LANDSCAPING AND RESTORATION. CONVERSION OF EXISTING ROADWAYS FROM ONE-WAY TO TWO-WAY TRAFFIC.



CITY OF KALAMAZOO  
415 STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001

**APPROVAL**

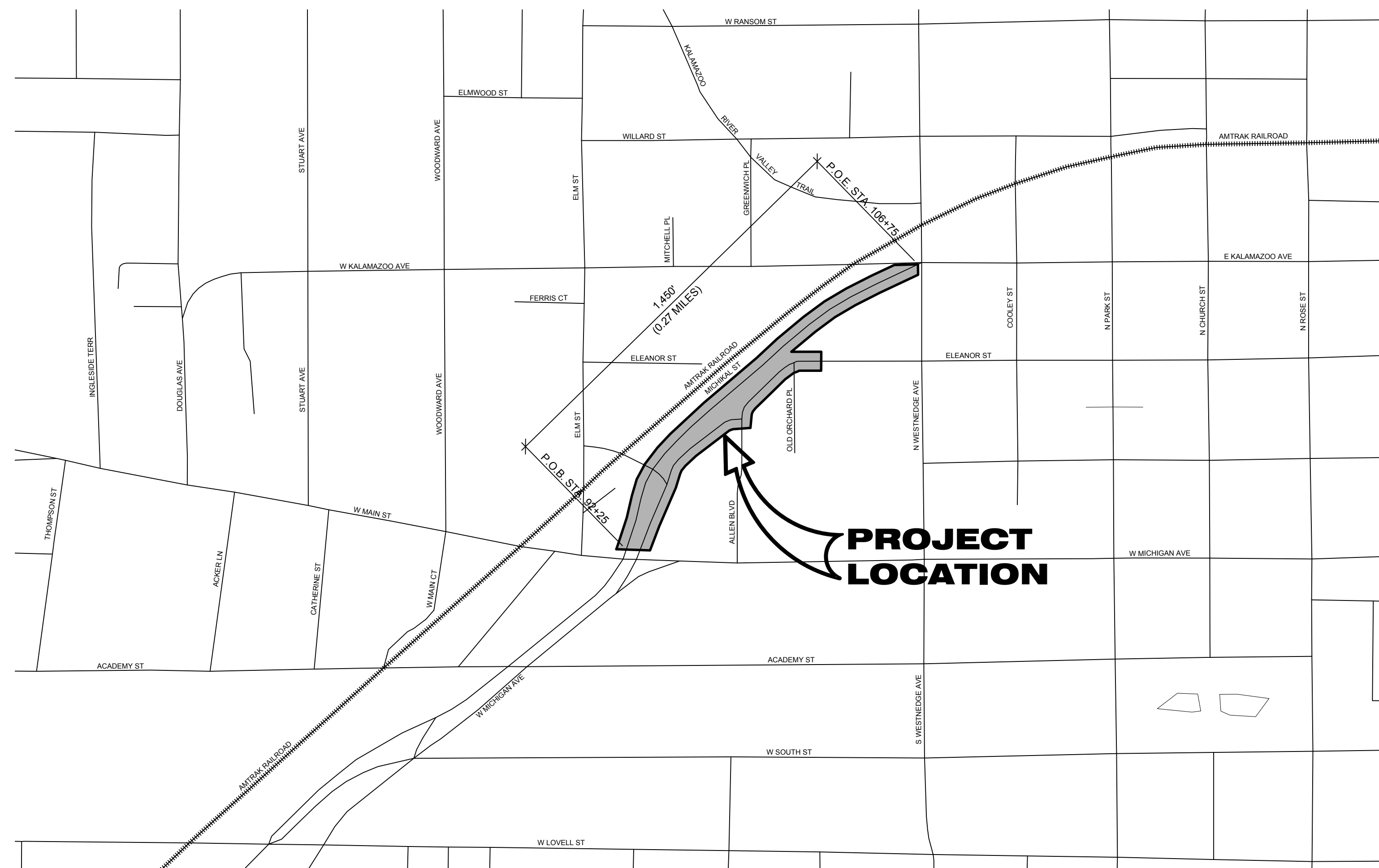
ANTHONY LADD, P.E. PUBL. SERV. DIV. MANAGER

DATE

COVER SHEET

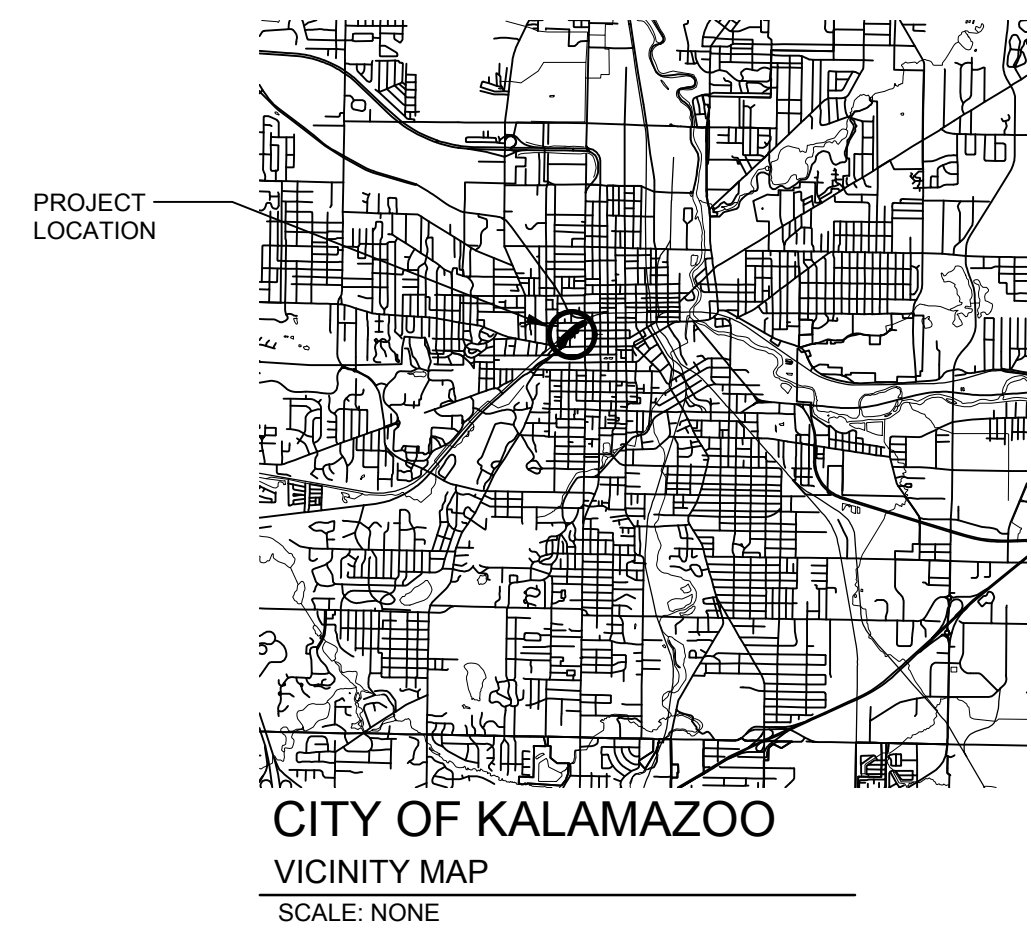
JOB No. 224022

C001



PROJECT LOCATION MAP

SCALE: 1" = 300'

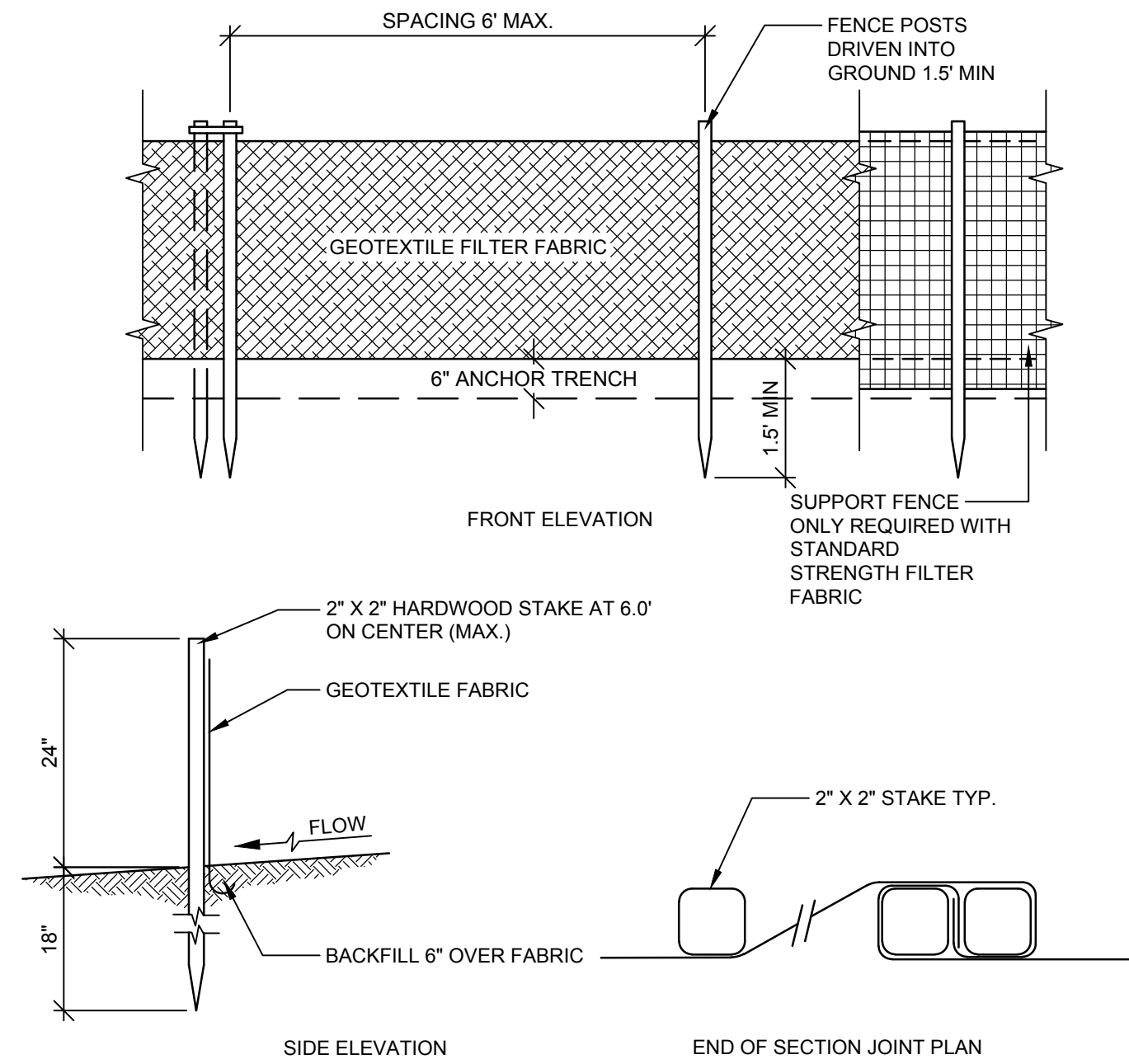


CITY OF KALAMAZOO  
VICINITY MAP

SCALE: NONE

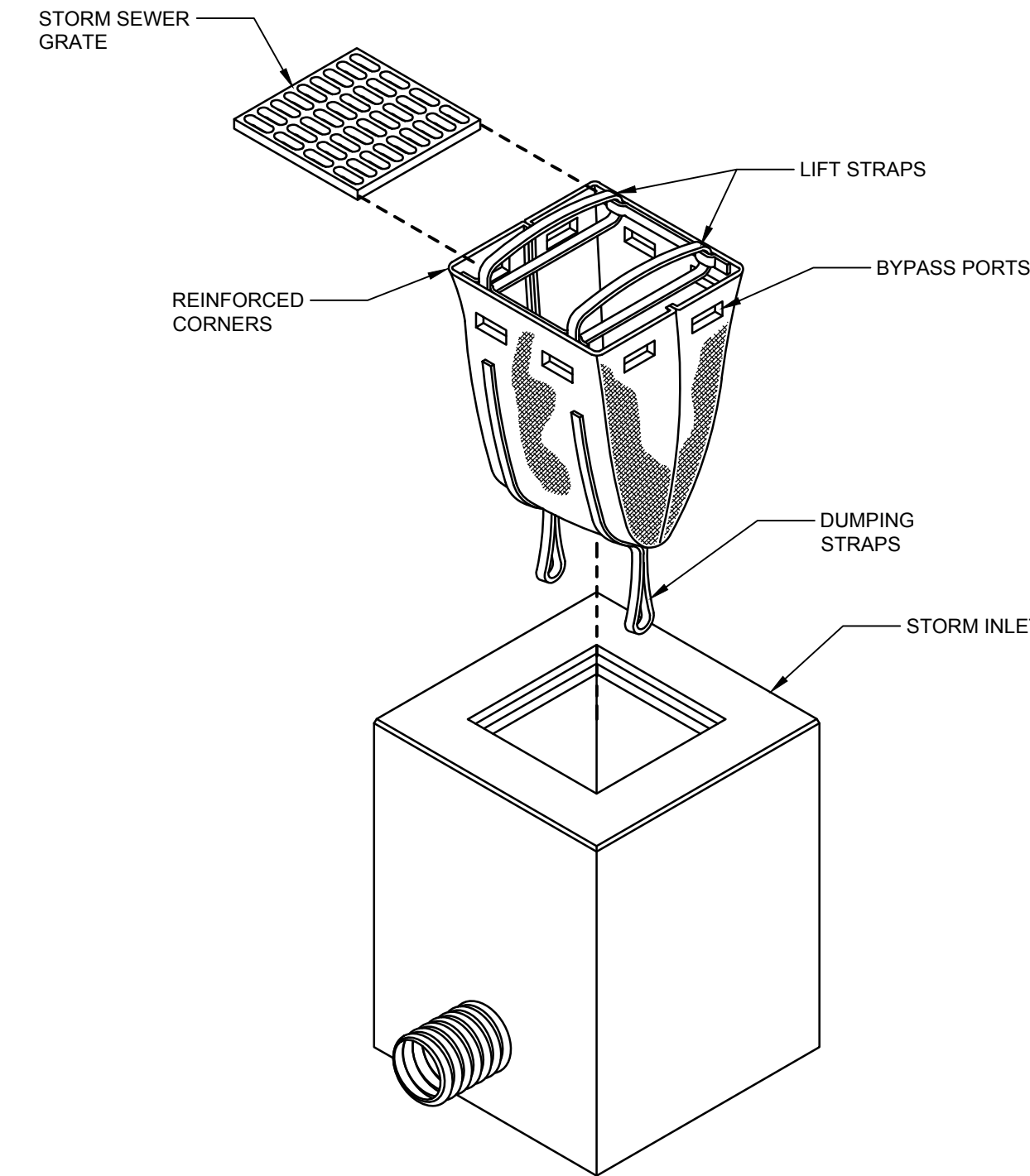
**PROJECT NOTES**

- THE "2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND "STANDARD PLANS" BY THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) ARE HEREBY INCORPORATED INTO THESE CONTRACT DOCUMENTS. COPIES OF THESE STANDARDS ARE AVAILABLE FOR INSPECTION AT THE OFFICE OF THE ENGINEER.
- THE PLACING OF TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH THE 2011 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD), AS AMENDED.
- ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT THE TIME OF CONSTRUCTION.
- IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, ALL CONTRACTORS SHALL CALL MISS DIG @ 811 OR 800-482-7171 FOR PROTECTION OF UNDERGROUND UTILITIES A MINIMUM OF THREE FULL WORKING DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO BEGINNING EACH EXCAVATION IN ANY AREA. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.
- THE CONTRACTOR SHALL LOCATE ALL ACTIVE UNDERGROUND UTILITIES PRIOR TO STARTING WORK AND SHALL CONDUCT HIS OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE CITY OF KALAMAZOO TO NOTIFY THEM THAT WORK IS COMMENCING.
- THE SOIL BORINGS WERE TAKEN BY WIGHTMAN ON 3/28/2023 AND 4/17/2023.
- THE TEST BORINGS REPRESENT POINT INFORMATION AND MAY NOT HAVE ENCOUNTERED ALL THE TYPES AND MATERIALS WHICH ARE PRESENT AT THE SITE. THESE BORING LOGS DO NOT CONSTITUTE A GUARANTEE OF THE SOIL OR GROUNDWATER CONDITIONS, OR THAT THE TEST BORINGS ARE AN EXACT REPRESENTATION OF THE SOIL OR GROUNDWATER CONDITIONS AT ALL POINTS ON THE SITE.
- SEE SHEET C006 FOR SOIL BORING LOGS AND PLAN SHEETS FOR SOIL BORING LOCATIONS.
- THE CONTRACTOR SHALL CONDUCT THE WORK IN SUCH A MANNER SO NO EXCAVATIONS ARE LEFT OPEN OVERNIGHT. IF THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL INSTALL A TEMPORARY FENCE TO PROTECT THE EXCAVATION AT THEIR OWN EXPENSE.
- DRIVE REPLACEMENT SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
- ALL GOVERNMENT CORNERS ON THIS PROJECT SHALL BE PRESERVED, WHETHER SHOWN OR NOT. IT MAY BE NECESSARY TO PLACE OR ADJUST MONUMENT BOXES, AS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING DRAINAGE PATTERNS, AND SHALL RESOLVE ANY DRAINAGE PROBLEMS ON ADJACENT PROPERTIES WHICH MAY RESULT FROM THE CONTRACTOR'S ACTIVITIES.
- ADEQUATE DUST CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER IN THE FIELD, TO BE INCLUDED IN THE VARIOUS ITEMS OF WORK
- DATUM REFERS TO NAVD88 DATUM.
- SPOT ELEVATIONS WITHIN VICINITY OF PROPOSED CONCRETE CURB AND GUTTER REFER TO EDGE OF METAL. ELEVATIONS, PITCH PAVEMENT/CONCRETE GUTTERS UNIFORMLY BETWEEN PROPOSED SPOT ELEVATIONS.
- ALL DRIVES SHALL HAVE C4 DETAIL CURB AND GUTTER OR MATCH EXISTING DETAIL FROM THE TYPE M OPENING TO THE R.O.W. LINE OR LIMITS OF REMOVAL UNLESS NOTED FOR TYPE "L" OPENINGS.
- ALL SCALES FOR DRAWINGS AND DETAILS ARE BASED ON 24"x36" PRINTED PLANS. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- ALL RADII FOR CURB AND GUTTER ARE DIMENSIONED TO THE BACK OF THE CURB.
- TAPER THE CURBS TO ZERO HEIGHT AT SIDEWALKS. SIDEWALK RAMPS SHALL BE BARRIER FREE AND CONSTRUCTED IN ACCORDANCE WITH THE MDOT SIDEWALK RAMP AND DETECTABLE WARNING DETAILS (R-28 SERIES). SIDEWALK JOINTS SHALL BE IN ACCORDANCE WITH THE MDOT DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS (R-29 SERIES) UNLESS NOTED OTHERWISE.
- EXPANSION JOINTS FOR CONCRETE CURB AND GUTTER SHALL BE PLACED AT: CURB CORNERS, BEGINNING AND ENDING OF RADII, ALL CATCH BASINS AND MANHOLES, INTERSECTION OF CURB/SIDEWALK, CURB/RETAINING WALL, CURB/BUILDING, AND EXISTING/NEW CONSTRUCTION, AT LENGTHS OF NOT MORE THAN 120' APART, AND AS SPECIFIED ELSEWHERE.
- PAVT, REM, MODIFIED SHALL INCLUDE REMOVING THE FULL DEPTH OF CONCRETE PAVEMENT INCLUDING HMA OVERLAYS, REGARDLESS OF THICKNESS. HMA SURFACE, REM, MODIFIED SHALL INCLUDE REMOVING THE FULL DEPTH OF HMA PAVEMENT REGARDLESS OF THICKNESS. ALL CURB AND GUTTER REMOVAL SHALL BE MEASURED AS CURB AND GUTTER, REM PER FT. ALL REQUIRED SAW CUTTING SHALL BE INCLUDED IN THE RESPECTIVE REMOVAL ITEMS.
- EXISTING DRAINAGE STRUCTURE COVERS FOR STORM MANHOLES THAT ARE TO REMAIN SHALL BE REPLACED WITH COVER B, MODIFIED PRIOR TO FINAL ADJUSTMENT. EXISTING DRAINAGE STRUCTURE COVERS FOR SANITARY MANHOLES SHALL BE REPLACED WITH COVER Q, MODIFIED PRIOR TO FINAL ADJUSTMENT. EXISTING CATCH BASIN COVERS THAT ARE TO REMAIN SHALL BE REPLACED WITH COVER K PRIOR TO FINAL ADJUSTMENT. INCLUDED IN THE NEW CASTING ITEMS SHALL BE TEMPORARY PLATING OF THE EXISTING STRUCTURE THROUGH THE LEVELING COURSE. FINAL ADJUSTMENT SHALL BE PAID FOR AS DR STRUCTURE COVER, ADJ, CASE \_\_\_\_.
- MAINTAIN 10 FOOT MINIMUM HORIZONTAL SEPARATION BETWEEN THE SANITARY OR STORM SEWER AND WATER MAIN UTILITIES. PROVIDE 18" MINIMUM VERTICAL SEPARATION WHERE THE WATER MAIN CROSSES A SANITARY OR STORM SEWER.
- ANY SANITARY SEWER, SANITARY SEWER SERVICE LEADS, WATER MAIN, WATER SERVICES, OR STORM SEWER THAT IS DAMAGED BY THE CONTRACTOR DURING THEIR OPERATIONS SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AND AT THE CONTRACTOR'S EXPENSE.
- THE TACTILE PLATES FOR THE ADA RAMPS WILL BE COLONIAL RED IN COLOR TO MATCH EXISTING DETECTABLE WARNING PLATES THROUGHOUT THE CITY. TRUNCATED DOMES SHALL BE DUCTILE IRON MANUFACTURED AND INSTALLED IN ACCORDANCE WITH MDOT AND ADA ACCESSIBILITY GUIDELINES FOR DETECTABLE WARNINGS AND THE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.
- PROPERTY OWNER'S NAMES, WHERE SHOWN, ARE FOR INFORMATION ONLY, AND THEIR ACCURACY IS NOT GUARANTEED.
- TAPERED OVERLAPPING JOINTS WILL NOT BE ALLOWED IN THE TOP COURSE OF THE HMA SURFACE. TAPERED OVERLAPPING LONGITUDINAL JOINTS ARE RESTRICTED TO BASE AND LEVELING COURSE ONLY. JOINTS IN THE VARIOUS COURSES SHALL BE STAGGERED BY A MINIMUM OF 6 INCHES WITH THE JOINTS IN THE TOP COURSE PLACED ON LANE LINES.
- ANY EXISTING PROPERTY CORNERS SHALL BE PRESERVED. CORNERS THAT ARE DISTURBED SHALL BE REPLACED BY A SURVEYOR LICENSED IN THE STATE OF MICHIGAN AT THE CONTRACTOR'S EXPENSE.



**SILT FENCE NOTES**

- THE HEIGHT OF SILT FENCE SHALL NOT EXCEED 36 INCHES ABOVE GROUND.
- THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM OF A 6 INCH OVERLAP, AND SECURELY SEALED.
- POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 18 INCHES).
- A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4-INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
- WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1-INCH LONG, THE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2-INCHES.
- THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 6-INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH.
- FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- WHEN EXTRA STRENGTH FILTER FABRIC IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.
- THE TRENCH SHALL BE BACKFILLED AND SOIL COMPACTED OVER THE FILTER FABRIC.
- SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED



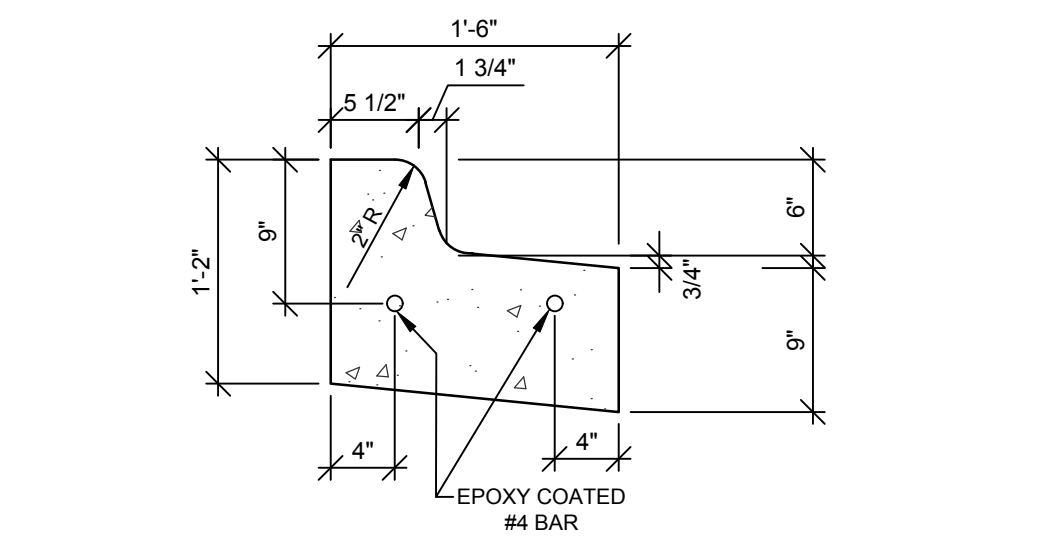
NOTES:  
REMOVE INLET PROTECTION WHEN THE CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.

**LEGEND**

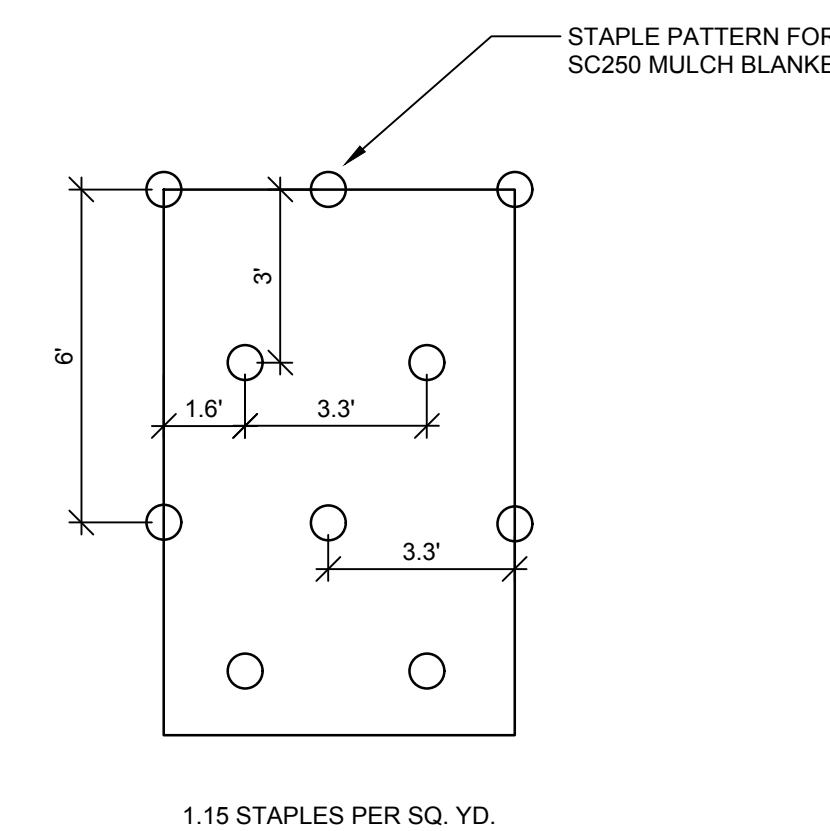
EXISTING	PROPOSED	
C	C	CABLE
E	E	ELECTRIC LINE
OHE	OHE	ELECTRIC LINE (OVERHEAD)
FO	FO	FIBER OPTIC LINE
G	G	GAS LINE
T	T	TELEPHONE LINE
		FENCE
		FORCEMAIN
		GUARDRAIL
		SANITARY SEWER
		STORM SEWER
		WATER MAIN
		CENTER LINE
		EXISTING TREE LINE
		EXISTING DITCH LINE
		EASEMENT LINE/GRADING PERMIT
		GRADING LIMITS/LIMITS OF DISTURBANCE
		PROPERTY LINE
		RIGHT-OF-WAY LINE
		SECTION LINE
		TO BE ABANDONED

⊠	= ANTENNA	⊙	= PAVEMENT/SOIL BORING
⊡	= CATCH BASIN	⊙	= PROPOSED HYDRANT
⊡	= CABLE RISER BOX	⊙	= PROPOSED GATE VALVE & BOX
⊡	= CLEAN OUT	⊙	= PROPOSED GATE VALVE & VAULT
⊡	= CURB INLET	⊙	= PROPOSED REDUCER
⊡	= ELECTRIC MANHOLE	⊙	= PROPOSED SANITARY MANHOLE
⊡	= FIRE HYDRANT	⊙	= PROPOSED STORM MANHOLE
⊡	= FOUND IRON PIPE	⊙	= STORM MANHOLE
⊡	= GAS VALVE	⊙	= TELEPHONE MANHOLE
⊡	= GUY ANCHOR	⊙	= TELEPHONE RISER BOX
⊡	= LIGHT POLE	⊙	= TURNING POINT/TRVERSE
⊡	= MAILBOX	⊙	= UTILITY POLE
⊡	= MONITORING WELL	⊙	= VAULT
⊡	= POST	⊙	= WATER ELEVATION
⊡	= SATELLITE DISH	⊙	= WATER MANHOLE
⊡	= SANITARY MANHOLE	⊙	= WATER METER
⊡	= SECTION CORNER	⊙	= WATER VALVE
⊡	= SIGN	⊙	= WATER SPIGOT
		⊙	= WELL



APPLIES TO:  
MICHIKAL STREET PEDESTRIAN ISLAND STA. 99+80 TO STA. 100+20  
MICHIKAL STREET AND W KALAMAZOO AVENUE INTERSECTION ISLAND  
PAID AS CURB AND GUTTER, CONC, DET F2



QUANTITIES THIS SHEET	
ITEM	QTY.
Mobilization, Max	1 LSUM
Tree, Rem, 19 inch to 36 inch	1 Ea
Tree, Rem, 37 inch or Larger	1 Ea
Tree, Rem, 6 inch to 18 inch	1 Ea
Dr Structure, Rem	1 Ea
Sewer, Rem, Less than 24 inch	100 Ft
Curb and Gutter, Rem	100 Ft
Masonry and Conc Structure, Rem	50 Cyd
Sidewalk, Rem	20 Syd
Exploratory Investigation, Vertical	10 Ft
Pavt, Rem, Modified	100 Syd
Subgrade Undercutting, Type II	1,000 Cyd
Erosion Control, Silt Fence	500 Ft
Subbase, CIP	100 Cyd
Aggregate Base, 8 Inch, Modified	200 Syd
Maintenance Gravel, LM	500 Cyd
Sewer Tap, 6 inch	1 Ea
Sewer Tap, 12 inch	1 Ea
Sewer Tap, 15 inch	1 Ea
Dr Structure Cover, Adj, Case 2	1 Ea
Dr Structure Cover, Type D	1 Ea
Dr Structure Cover, Type G	1 Ea
Dr Structure Cover, Type K	1 Ea
Dr Structure, Adj, Add Depth	10 Ft
Dr Structure, Tap, 12 inch	1 Ea
Dr Structure Cover, Adj, Case 1, Modified	1 Ea
Dr Structure Cover, Type B, Modified	1 Ea
Dr Structure Cover, Type Q, Modified	1 Ea
HMA Surface, Rem	100 Syd
Hand Patching	50 Ton
Curb and Gutter, Conc, Det C4	50 Ft
Curb and Gutter, Conc, Det F2	50 Ft
Sidewalk, Conc, 4 inch	100 Sft
Sidewalk, Conc, 6 inch	50 Sft
Curb Ramp, Conc, 6 inch	30 Sft
Minor Traf Devices	1 LSUM
Pavt Mrkg, Longtl, 6 inch or Less Width, Rem	100 Ft
Pavt Mrkg, Type NR, Paint, 24 inch, Stop Bar	10 Ft
Pavt Mrkg, Type NR, Paint, Lt Turn Arrow	1 Ea
Pavt Mrkg, Type NR, Paint, Rt Turn Arrow	1 Ea
Pavt Mrkg, Type NR, Paint, Thru Arrow	1 Ea
Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, White, Temp	100 Ft
Pavt Mrkg, Wet Reflective, Type NR, Paint, 4 inch, Yellow, Temp	100 Ft
Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	100 Ft
Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	100 Ft
Sign Cover	10 Ea
Slope Restoration, Non-Freeway, Type B	500 Syd
Light Std Arm, Rem	1 Ea
Light Std Fdn, Rem	1 Ea
Light Std Shaft, Rem	1 Ea
TS, Span Wire Mtd, Rem	1 Ea
TS Head, Adj	1 Ea
TS Head, Temp	1 Ea
TS Face, Bag	1 Ea
TS Face, Bag, Rem	1 Ea
Gate Box, Adj, Case 1, Modified	1 Ea
Gate Box, Adj, Case 2	1 Ea
Water Shutoff, Adj, Case 2	1 Ea
Water Shutoff, Adj, Case 1	1 Ea

**WIGHTMAN**  
433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
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PHILIP A. DOORLAG  
6201067363  
PROJECT NAME:

**STREETS FOR ALL: MICHIKAL IMPROVEMENTS**

**CITY OF KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001

06/02/23/2024	PAD
RE-ISSUED FOR BIDDING	
05/12/01/2023	PAD
ISSUED FOR BIDDING	
04/10/25/2023	PAD
90% SUBMITTAL	
01/06/30/2023	PAD
70% SUBMITTAL	

**REVISIONS**  
DATE: FEBRUARY, 2024  
SCALE: NONE

PROJECT NOTES, DETAILS, AND MISC. QUANTITIES



**WIGHTMAN**

433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
269.327.3532

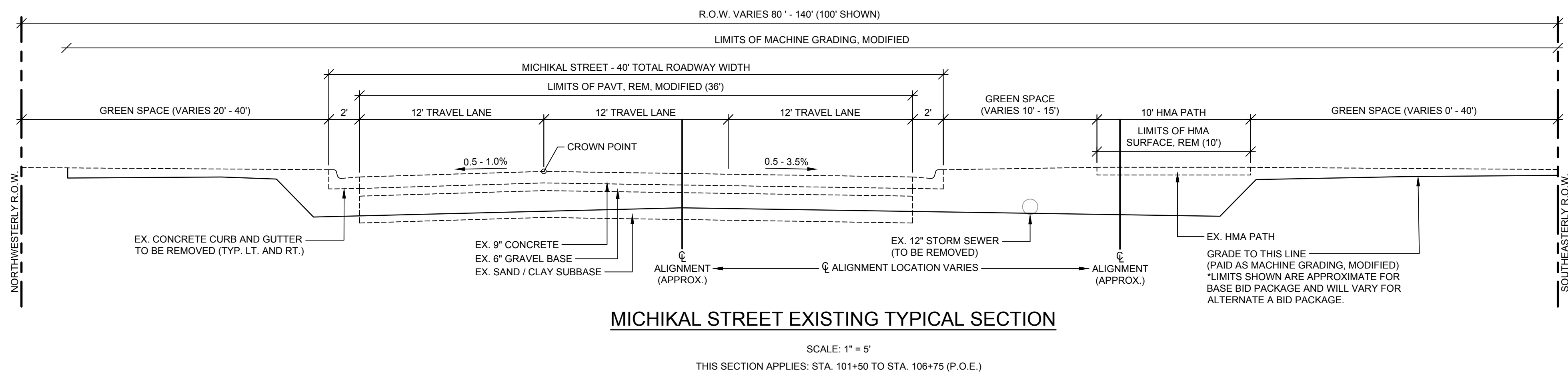
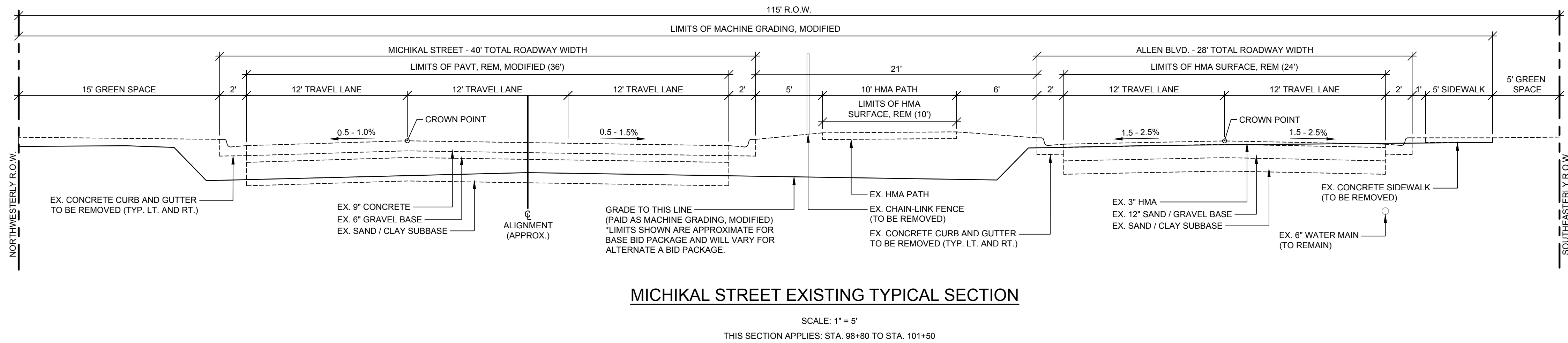
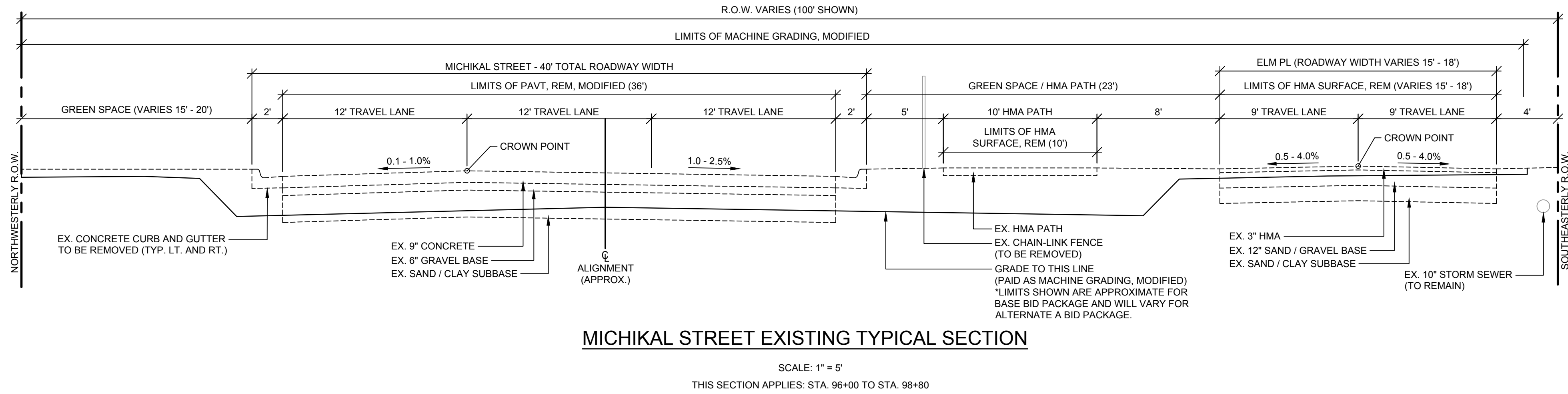
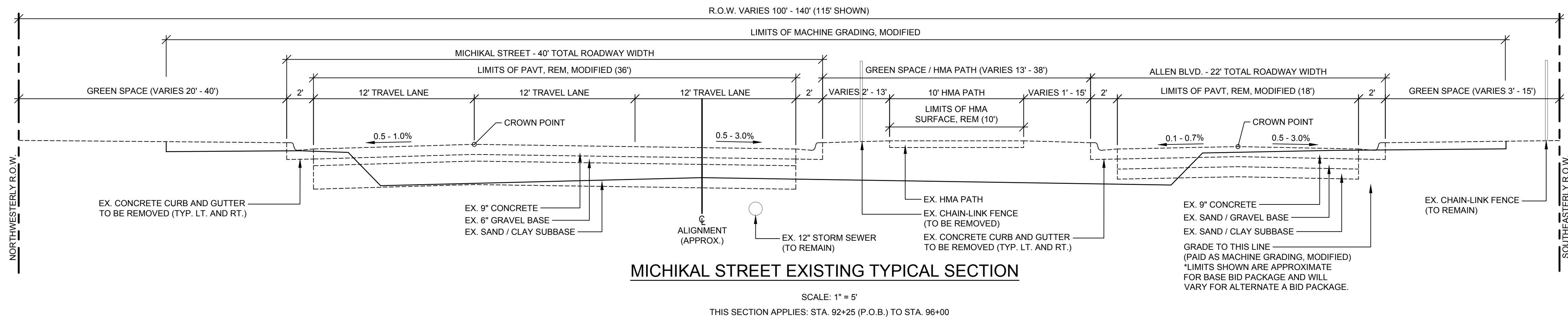
[www.gowightman.com](http://www.gowightman.com)

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PROJECT NAME:

**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



06/23/2024 PAD  
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05/12/2023 PAD  
ISSUED FOR BIDDING

04/10/2023 PAD  
90% SUBMITTAL

01/06/2023 PAD  
70% SUBMITTAL

**REVISIONS**

DATE: FEBRUARY, 2024  
SCALE: 1" = 5'

EXISTING TYPICAL SECTIONS



**WIGHTMAN**

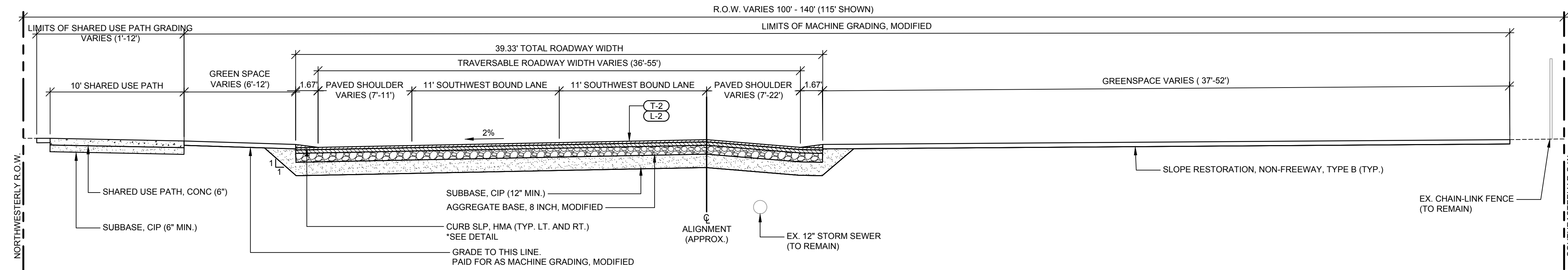
433 E. RANSOM ST.  
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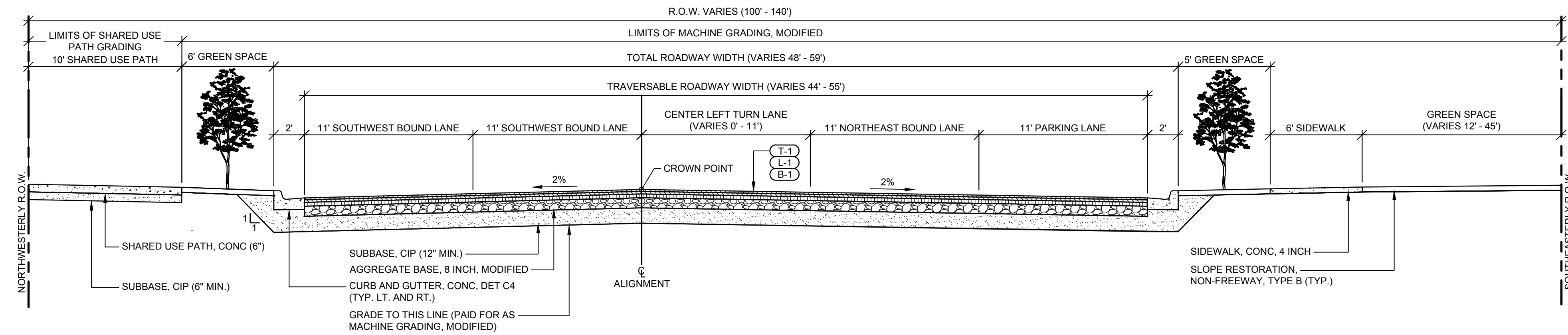
PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



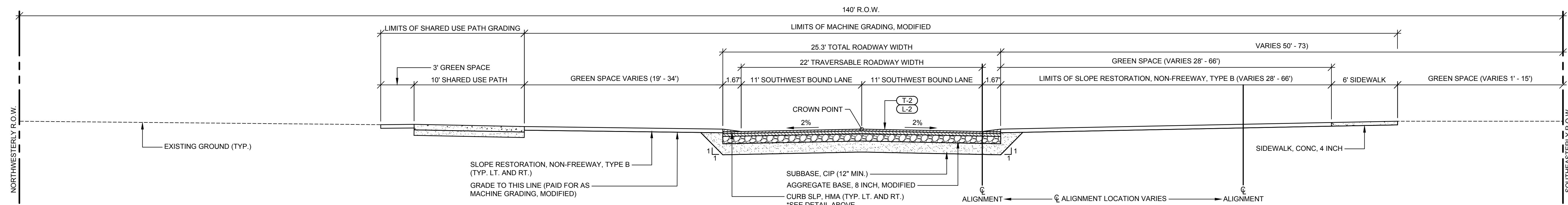
**MICHIKAL STREET PROPOSED TYPICAL SECTION**

SCALE: 1" = 5'  
THIS SECTION APPLIES: STA. 92+25 (P.O.B.) TO STA. 93+25



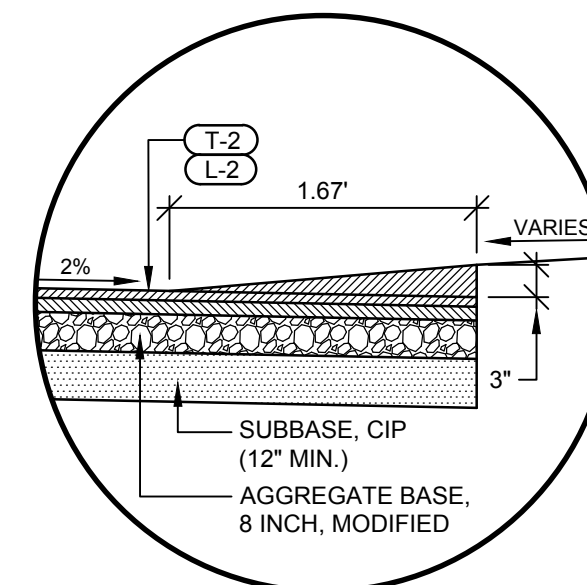
**MICHIKAL STREET PROPOSED TYPICAL SECTION**

SCALE: 1" = 5'  
THIS SECTION APPLIES: STA 93+25 TO STA. 104+50



**MICHIKAL STREET PROPOSED TYPICAL SECTION**

SCALE: 1" = 5'  
THIS SECTION APPLIES: STA 104+50 TO STA. 106+75 (P.O.E.)



**DETAIL - CURB SLP, HMA**

SCALE: NONE  
APPLIES TO MICHIKAL STREET TEMPORARY CONNECTION

	ITEM	AWI	YIELD	PERFORMANCE GRADE	NOTES
T-1	HMA, 5EML (TOP)	260	165#/SYD	P.G. 64 - 28	MICHIKAL MAINLINE PAVING
L-1	HMA, 4EML (LEVELING)		220#/SYD	P.G. 64 - 28	MICHIKAL MAINLINE PAVING
B-1	HMA, 3EML (BASE)		330#/SYD	P.G. 64 - 28	MICHIKAL MAINLINE PAVING
T-2	HMA, 4EML (TOP)	260	220#/SYD	P.G. 64 - 28	MICHIKAL TEMPORARY CONNECTION
L-2	HMA, 3EML (LEVELING)		330#/SYD	P.G. 64 - 28	MICHIKAL TEMPORARY CONNECTION
4EML	HMA, APPROACH (LEVELING)		165#/SYD	P.G. 64 - 28	DRIVEWAY APPROACHES
5EML	HMA, APPROACH (TOP)	260	165#/SYD	P.G. 64 - 28	DRIVEWAY APPROACHES
4EML	HMA, APPROACH (LEVELING)		220#/SYD	P.G. 64 - 28	SIDE STREET APPROACHES
5EML	HMA, APPROACH (TOP)	260	165#/SYD	P.G. 64 - 28	SIDE STREET APPROACHES
	HAND PATCHING (HMA, 5EML)		165 - 220#/SYD	P.G. 64 - 28	
	HMA BOND COAT (NOT A PAY ITEM)		0.05 TO 0.15 GAL/SYD	SS - 1h	

**HMA APPLICATION TABLE**

06 03/08/2024 PAD  
RE-ISSUED FOR BIDDING

05 12/01/2023 PAD  
ISSUED FOR BIDDING

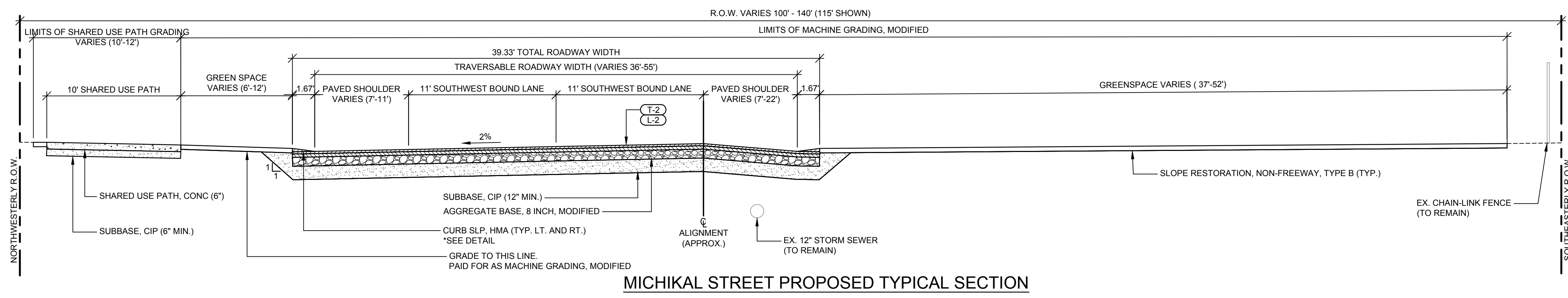
04 10/25/2023 PAD  
90% SUBMITTAL

01 08/30/2023 PAD  
70% SUBMITTAL

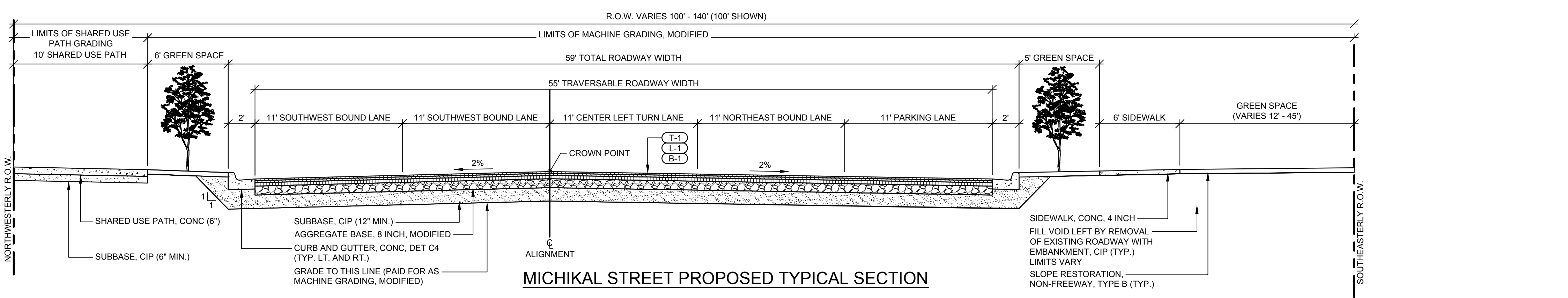
**REVISIONS**

DATE: MARCH, 2024  
SCALE: 1" = 5'

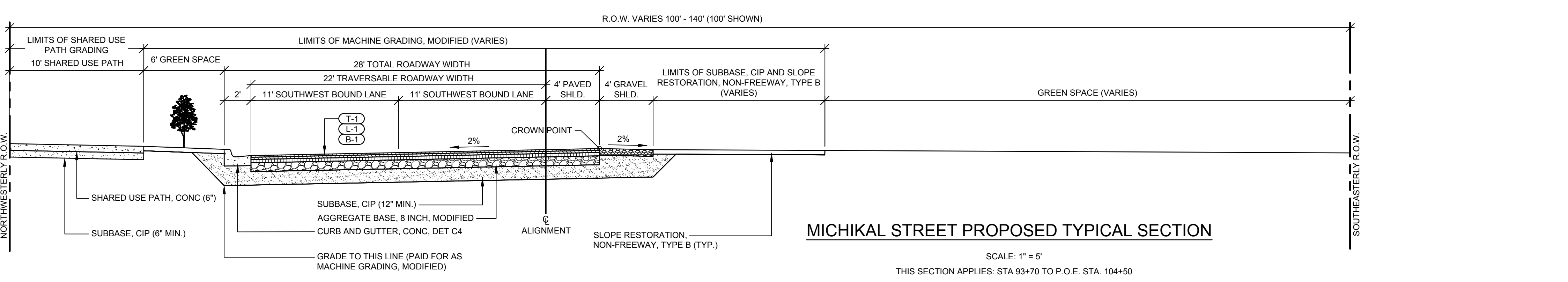
**PROPOSED TYPICAL  
SECTIONS  
BASE BID  
FULL ROAD  
RECONSTRUCTION**



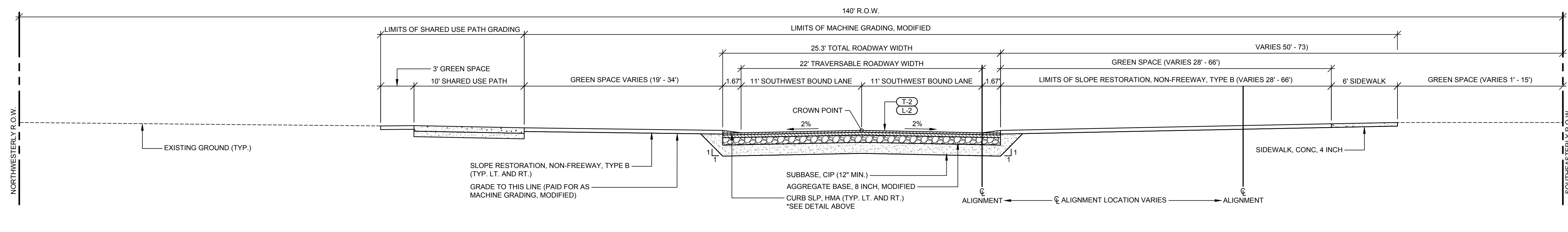
**MICHIKAL STREET PROPOSED TYPICAL SECTION**  
 SCALE: 1" = 5'  
 THIS SECTION APPLIES: STA. 92+25 (P.O.B.) TO STA. 93+25



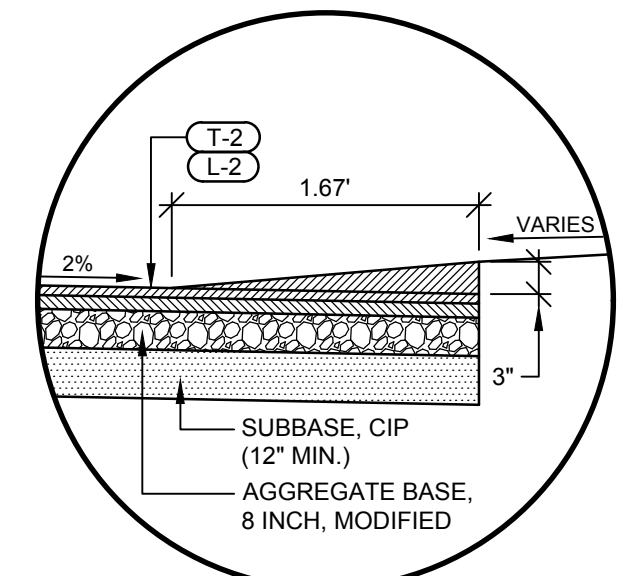
**MICHIKAL STREET PROPOSED TYPICAL SECTION**  
 SCALE: 1" = 5'  
 THIS SECTION APPLIES: STA 93+25 TO STA. 93+70



**MICHIKAL STREET PROPOSED TYPICAL SECTION**  
 SCALE: 1" = 5'  
 THIS SECTION APPLIES: STA 93+70 TO P.O.E. STA. 104+50



**MICHIKAL STREET PROPOSED TYPICAL SECTION**  
 SCALE: 1" = 5'  
 THIS SECTION APPLIES: STA 104+50 TO STA. 106+75 (P.O.E.)



**DETAIL - CURB SLP, HMA**  
 SCALE: NONE  
 APPLIES TO MICHIKAL STREET TEMPORARY CONNECTION

ITEM	AWI	YIELD	PERFORMANCE GRADE	NOTES
T-1 HMA, 5EML (TOP)	260	165#/SYD	P.G. 64 - 28	MICHIKAL MAINLINE PAVING
L-1 HMA, 4EML (LEVELING)		220#/SYD	P.G. 64 - 28	MICHIKAL MAINLINE PAVING
B-1 HMA, 3EML (BASE)		330#/SYD	P.G. 64 - 28	MICHIKAL MAINLINE PAVING
T-2 HMA, 4EML (TOP)	260	220#/SYD	P.G. 64 - 28	MICHIKAL TEMPORARY CONNECTION
L-2 HMA, 3EML (LEVELING)		330#/SYD	P.G. 64 - 28	MICHIKAL TEMPORARY CONNECTION
4EML HMA, APPROACH (LEVELING)		165#/SYD	P.G. 64 - 28	DRIVEWAY APPROACHES
5EML HMA, APPROACH (TOP)	260	165#/SYD	P.G. 64 - 28	DRIVEWAY APPROACHES
4EML HMA, APPROACH (LEVELING)		220#/SYD	P.G. 64 - 28	SIDE STREET APPROACHES
5EML HMA, APPROACH (TOP)	260	165#/SYD	P.G. 64 - 28	SIDE STREET APPROACHES
HAND PATCHING (HMA, 5EML)		165 - 220#/SYD	P.G. 64 - 28	
HMA BOND COAT (NOT A PAY ITEM)		0.05 TO 0.15 GAL/SYD	SS - 1h	

**HMA APPLICATION TABLE**

06/03/2024	PAD	RE-ISSUED FOR BIDDING
05/12/2023	PAD	ISSUED FOR BIDDING
04/10/25/2023	PAD	90% SUBMITTAL
01/08/30/2023	PAD	70% SUBMITTAL

**REVISIONS**  
 DATE: MARCH, 2024  
 SCALE: 1" = 5'

PROPOSED TYPICAL SECTIONS  
 ALTERNATE A  
 PART-WIDTH RECONSTRUCTION



**WIGHTMAN**

433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
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6201067363

PROJECT NAME:  
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**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001

**PB-44**  
MICHIKAL STREET  
STA. 92+99 LT  
0 - 9.25" CONCRETE  
9.25 - 16" GRAVEL  
16 - 32" BROWN FINE TO COARSE SAND WITH TRACE OF GRAVEL  
32 - 35" DARK BROWN CLAYEY SAND  
35 - 37" CONCRETE  
37 - 50" BLACK SANDY CLAY WITH A TRACE OF GRAVEL (STRONG PETROL ODOR)  
50 - 55" DARK BROWN FINE TO COARSE SAND AND GRAVEL  
55 - 60" BLACK CLAY WITH TRACE OF GRAVEL  
60" END OF BORING

**PB-50**  
MICHIKAL STREET  
STA. 104+56 LT  
0 - 9.25" CONCRETE  
9.25 - 15" BLACK CLAY  
15 - 48" BROWN FINE TO COARSE SAND WITH TRACE OF GRAVEL  
48 - 60" BLACK SANDY CLAY WITH ORGANICS  
60" END OF BORING

**PB-45**  
MICHIKAL STREET  
STA. 94+35 LT  
0 - 9" CONCRETE  
9 - 40" BROWN FINE TO COARSE SAND WITH GRAVEL  
40 - 45" DARK BROWN CLAYEY SAND WITH FOUNDRY FILL AND BRICK  
45 - 51" BROWN FINE TO COARSE SAND WITH FINES AND TRACE OF GRAVEL  
51 - 60" BROWN FINE TO COARSE SAND WITH GRAVEL  
60" END OF BORING

**PB-14**  
MICHIKAL STREET  
STA. 106+28 LT  
0 - 8.75" CONCRETE  
8.75 - 18.5" BROWN FINE TO COARSE SAND AND GRAVEL  
18.5 - 40" BROWN MEDIUM TO COARSE SAND WITH TRACE OF GRAVEL  
40 - 45" DARK BROWN FINE TO COARSE CLAYEY SAND  
45 - 60" BLACK SANDY CLAY (ORGANICS)  
60" END OF BORING

**PB-46**  
MICHIKAL STREET  
STA. 94+85 LT  
0 - 2" TOPSOIL  
2 - 14" BROWN MEDIUM TO COARSE SAND WITH GRAVEL  
14 - 26" DARK BROWN FINE TO COARSE SAND WITH FINES AND GRAVEL  
26" END OF BORING (OBSTRUCTION - VERY LARGE ROCKS)

**SB-4**  
MICHIKAL STREET  
STA. 93+99 RT  
0 - 9" TOPSOIL  
9 - 30" DARK BROWN FINE TO COARSE CLAYEY SAND WITH GRAVEL  
30" END OF BORING (OBSTRUCTION - TOP OF ARCADIA CREEK BOX CULVERT)

**PB-47**  
MICHIKAL STREET  
STA. 95+84 LT  
0 - 9.25" CONCRETE  
9.25 - 12" BLACK CLAY  
12 - 41" BROWN FINE TO VERY COARSE SAND WITH GRAVEL  
41 - 44.5" DARK BROWN CLAYEY SAND WITH GRAVEL  
44.5 - 54" FOUNDRY FILL  
54 - 60" DARK BROWN FINE TO COARSE SAND WITH TRACE OF FINES AND GRAVEL  
60" END OF BORING

**SB-5**  
MICHIKAL STREET  
STA. 97+60 LT  
0 - 9" TOPSOIL  
9 - 30" FINE TO COARSE BROWN SAND WITH TRACE OF GRAVEL  
30" END OF BORING (LARGE CONCRETE OBSTRUCTION)

**PB-48**  
MICHIKAL STREET  
STA. 96+14 RT  
0 - 2.75" ASPHALT  
2.75 - 14" BROWN FINE TO COARSE SAND AND GRAVEL  
14 - 18.5" BLACK FINE TO COARSE SAND WITH FINES  
18.5 - 22" BROWN FINE TO MEDIUM SAND  
22 - 25" BROWN CLAYEY SAND  
25 - 44" BROWN FINE TO COARSE SAND WITH GRAVEL AND TRACE OF CLAY  
44 - 50" DARK BROWN CLAYEY SAND  
50 - 60" BLACK SOFT SILTY CLAY  
60" END OF BORING

**SB-6**  
MICHIKAL STREET  
STA. 98+64 RT  
0 - 19" TOPSOIL  
19 - 28" FINE TO MEDIUM BROWN SAND WITH TRACE OF GRAVEL  
28 - 48" FINE TO COARSE LIGHT BROWN SAND  
48 - 60" BLACK ORGANIC CLAY  
60" END OF BORING

**PB-49**  
MICHIKAL STREET  
STA. 99+17 LT  
0 - 9.25" CONCRETE  
9.25 - 12" GRAVEL  
12 - 29.5" BROWN FINE TO VERY COARSE SAND WITH GRAVEL  
29.5 - 41" DARK BROWN FINE TO VERY COARSE SAND WITH GRAVEL AND TRACE OF CLAY  
41 - 52" BROWN FINE TO MEDIUM SAND WITH CLAY  
52 - 60" BLACK FINE SANDY CLAY  
60" END OF BORING

**SB-7**  
MICHIKAL STREET  
STA. 100+77 LT  
0 - 19" TOPSOIL  
19 - 45" MIX OF FINE TO COARSE SAND WITH GRAVEL AND CONCRETE / BRICK FILL MATERIAL  
45 - 60" BLACK ORGANIC CLAY  
60" END OF BORING

**STRUCTURE ADJUST**

STRUCTURE, ADJ

SA030 EXISTING SAN STRUCTURE (REPLACE WITH COVER Q, MODIFIED) RIM 788.71 (EX) RIM 788.45± (PROP) INV. 778.76 - 8" NE INV. 778.85 - 8" S  
SA032 EXISTING SAN STRUCTURE (REPLACE WITH COVER Q, MODIFIED) RIM 788.23 (EX) RIM 788.14± (PROP) INV. 781.20 - 8" W INV. 781.28 - 8" NE  
SA033 EXISTING SAN STRUCTURE (REPLACE WITH COVER Q, MODIFIED) RIM 787.70 (EX) RIM 787.87± (PROP) INV. 780.87 - 8" SW INV. 780.37 - 8" E  
SA034 EXISTING SAN STRUCTURE (REPLACE WITH COVER Q, MODIFIED) RIM 787.24 (EX) RIM 786.58± (PROP) INV. 776.91 - 8" W INV. 777.46 - 8" S INV. 777.02 - 8" E  
SA037 EXISTING SAN STRUCTURE (REPLACE WITH COVER Q, MODIFIED) RIM 785.50 (EX) RIM 785.80± (PROP) INV. 776.82 - 8" W INV. 776.86 - 8" S INV. 776.88 - 8" E  
ST066 EXISTING DR STRUCTURE (REPLACE WITH COVER D) RIM 783.82 (EX) RIM 783.82± (PROP) INV. 781.15 - 12" S

**STRUCTURE REMOVALS**

STORM STRUCTURES

ST063 EX 24 INCH DIA STRUCTURE RIM 783.66 INV. 780.54 - 12" SE  
ST064 EX 24 INCH DIA STRUCTURE RIM 784.32 INV. 780.50 - 12" NW INV. 780.35 - 12" SW INV. 780.35 - 12" E  
ST065 EX 48 INCH DIA STRUCTURE RIM 784.31 INV. 780.21 - 12" W INV. 780.06 - 8" W INV. 780.29 - 12" N INV. 779.86 - 15" NE  
ST248 EX 24 INCH DIA STRUCTURE RIM 788.64 INV. 784.70 - 12" SW INV. 784.21 - 12" SE  
ST251 EX 24 INCH DIA STRUCTURE RIM 788.45 INV. 785.39 - 12" NE  
ST253 EX 24 INCH DIA STRUCTURE RIM 788.08 INV. 784.05 - 12" NW INV. 783.72 - 8" E INV. 783.61 - 12" SE  
ST254 EX 48 INCH DIA STRUCTURE RIM 787.94 INV. 784.52 - 12" SE INV. 784.30 - 12" W INV. 784.30 - 12" W INV. 784.30 - 12" N  
ST256 EX 24 INCH DIA STRUCTURE RIM 787.78 INV. 784.07 - 6" S INV. 784.03 - 12" SE  
ST257 EX 48 INCH DIA STRUCTURE RIM 787.78 INV. 783.75 - 12" NW INV. 783.60 - 12" SW INV. 783.40 - 12" S INV. 783.68 - 12" N INV. 783.27 - 12" E  
ST258 EX 24 INCH DIA STRUCTURE RIM 787.72 INV. 783.92 - 12" NW

STORM STRUCTURES

ST260 EX 24 INCH DIA STRUCTURE RIM 787.36 INV. 784.42 - 12" W  
ST261 EX 24 INCH DIA STRUCTURE RIM 787.24 INV. 781.00 - 12" SE INV. 781.00 - 12" NW  
ST262 EX 24 INCH DIA STRUCTURE RIM 787.21 INV. 782.03 - 12" S INV. 782.19 - 12" NW  
ST264 EX 24 INCH DIA STRUCTURE RIM 786.99 INV. 783.14 - 12" SE INV. 782.42 - 12" N  
ST265 EX 24 INCH DIA STRUCTURE RIM 786.98 INV. 783.03 - 12" NW  
ST266 EX 24 INCH DIA STRUCTURE RIM 785.41 INV. 781.63 - 12" SE  
ST268 EX 24 INCH DIA STRUCTURE RIM 784.74 INV. 781.27 - 12" NW INV. 781.27 - 12" NE

**PROPOSED STRUCTURES**

STORM STRUCTURES

ST566 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 787.69 INV. 783.98 - 12" SW INV. 783.98 - 12" NE INV. 783.98 - 12" SE  
ST572 DR STRUCTURE, 24 INCH DIA COVER K 2.0 FT SUMP RIM 785.85 INV. 782.07 - 12" NW  
ST573 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 790.76 INV. 787.33 - 18" E INV. 787.33 - 18" NE INV. 788.50 - 6" S(EX)  
ST578 DR STRUCTURE, 24 INCH DIA COVER K 2.0 FT SUMP RIM 787.57 INV. 783.57 - 12" NW  
ST579 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 787.34 INV. 784.19 - 12" SE INV. 784.19 - 12" SW  
ST581 DR STRUCTURE, 24 INCH DIA COVER K 2.0 FT SUMP RIM 787.21 INV. 783.21 - 12" NW  
ST583 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 787.69 INV. 783.66 - 12" E INV. 783.66 - 12" NW  
ST584 DR STRUCTURE, 48 INCH DIA COVER B, MODIFIED 0.0 FT SUMP RIM 787.91 INV. 783.68 - 12" N(EX) INV. 783.37 - 12" W INV. 783.27 - 12" E(EX)  
ST585 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 787.33 INV. 782.96 - 12" SE INV. 781.41 - 12" NE INV. 781.41 - 12" SW  
ST586 DR STRUCTURE, 24 INCH DIA COVER K 2.0 FT SUMP RIM 786.60 INV. 782.60 - 12" NE

STORM STRUCTURES

ST588 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 786.77 INV. 780.67 - 12" W(EX) INV. 780.67 - 12" E INV. 780.67 - 12" SW  
ST592 DR STRUCTURE, 24 INCH DIA COVER K 2.0 FT SUMP RIM 785.09 INV. 781.42 - 12" NE  
ST593 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 785.13 INV. 781.31 - 12" SW INV. 781.31 - 12" E  
ST594 DR STRUCTURE, 24 INCH DIA COVER K 2.0 FT SUMP RIM 784.98 INV. 781.40 - 12" N  
ST596 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 785.85 INV. 781.85 - 12" NE INV. 781.85 - 12" SE  
ST597 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 784.93 INV. 781.17 - 12" SW INV. 781.17 - 12" S INV. 781.17 - 12" W INV. 781.17 - 12" NE  
ST602 DR STRUCTURE, 60 INCH DIA COVER B, MODIFIED 0.0 FT SUMP RIM 784.31 INV. 780.78 - 12" SW INV. 779.86 - 15" N INV. 779.86 - 15" NE (EX)  
ST603 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 783.87 INV. 779.92 - 15" S INV. 779.92 - 12" SW INV. 780.71 - 12" N (EX)  
ST666 DR STRUCTURE, 24 INCH DIA COVER K 2.0 FT SUMP RIM 789.95 INV. 785.95 - 12" W  
ST667 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 789.82 INV. 785.70 - 12" E INV. 785.25 - 12" NE

STORM STRUCTURES

ST668 DR STRUCTURE, 24 INCH DIA COVER K 2.0 FT SUMP RIM 787.34 INV. 784.34 - 12" NW  
ST670 DR STRUCTURE, 48 INCH DIA COVER K 2.0 FT SUMP RIM 786.41 INV. 780.29 - 12" W INV. 780.29 - 12" E(EX) INV. 781.97 - 12" SW

06 02/23/2024 PAD RE-ISSUED FOR BIDDING

05 12/01/2023 PAD ISSUED FOR BIDDING

04 10/25/2023 PAD 90% SUBMITTAL

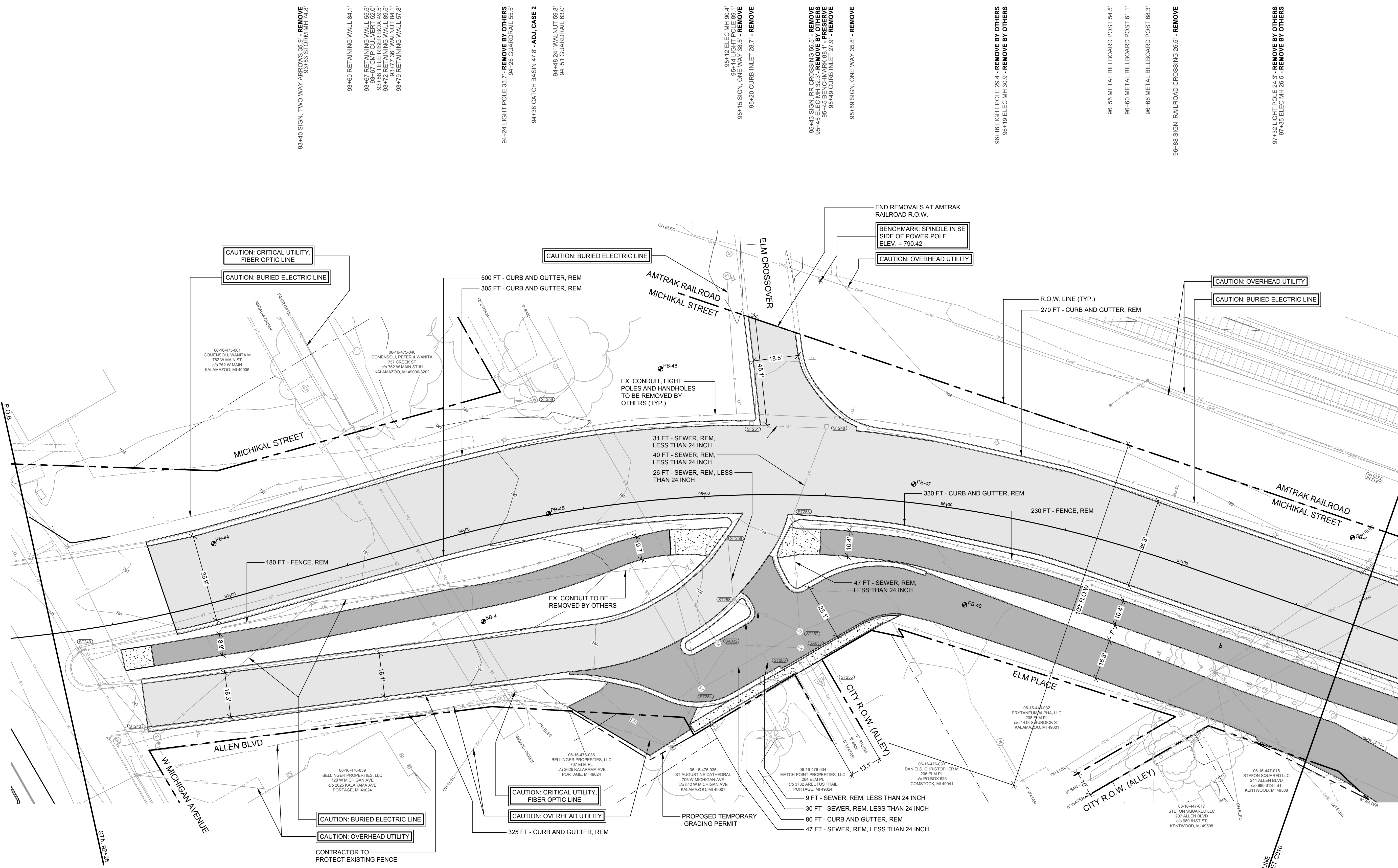
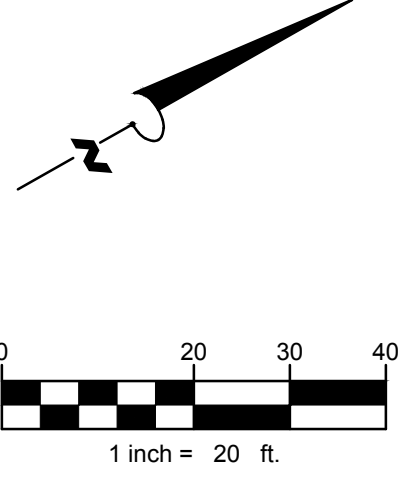
01 08/30/2023 PAD 70% SUBMITTAL

**REVISIONS**

DATE: FEBRUARY, 2024  
SCALE: NONE

**SOIL BORINGS AND  
STRUCTURE TABLES**

ITEM	QTY.
Tree, Rem, 19 inch to 36 inch	5 Ea
Tree, Rem, 6 inch to 18 inch	2 Ea
Dr Structure, Rem	8 Ea
Sewer, Rem, Less than 24 inch	230 Ft
Curb and Gutter, Rem	1,810 Ft
Fence, Rem	410 Ft
Sidewalk, Rem	95 Syd
Pavt, Rem, Modified	2,750 Syd
HMA Surface, Rem	1,250 Syd
Sign, Type III, Rem	9 Ea



92-75 SIGN, STOP AHEAD 50.9' - REMOVE

92-94 FENCE 11.0' - REMOVE

93-04 GAS METER 76.7'

93-11 BUILDING 75.6'

93-13 FENCE 12.6' - REMOVE

93-14 BUILDING 72.3'

93-15 FENCE 66.2'

93-16 FENCE 66.2'

93-21 BUILDING 73.3'

93-25 BUILDING 72.3'

93-32 LIGHT POLE 10.9' - REMOVE BY OTHERS

93-33 FENCE 14.1' - REMOVE

93-34 TWO WAY ARROWS 13.9' - REMOVE

93-35 FENCE 62.9'

93-38 BUILDING 70.5'

93-40 BUILDING 70.5'

93-45 FENCE 66.6'

93-45 FENCE 66.6'

93-46 FENCE 16.4' - REMOVE

93-73 FENCE 67.6'

93-89 FENCE 18.4' - REMOVE

93-97 STORM MH 70.1'

94-03 POWER POLE 69.0'

94-05 TELE RISER BOX 68.3'

94-13 GUY WIRE 68.6'

94-28 FENCE 78.0'

94-33 FENCE 18.4' - REMOVE

94-71 FENCE 11.4' - REMOVE

94-87 CLEAN OUT 27.6'

94-91 LIGHT POLE 29.2' - REMOVE BY OTHERS

94-92 STORM MH 70.0' - REMOVE

94-94 STORM MH 70.0' - REMOVE

94-97 WOOD FENCE 94.3'

94-03 SAN MH 80.9' - ADJ. CASE 1

95-09 CURB INLET 17.6' - REMOVE

95-11 CURB INLET 45.1' - REMOVE

95-27 11" PINE 99.8'

95-29 CURB INLET 72.8' - REMOVE

95-36 CURB INLET 9.5' - REMOVE

95-38 FENCE 74.7' - REMOVE

95-41 STORM MH 69.3' - REMOVE

95-41 WATER VALVE 68.8' - ADJ. CASE 1

95-41 SAN MH 63.0' - ADJ. CASE 1

95-42 CATCH BASIN 76.6'

95-45 FENCE 67.9'

95-43 FENCE 50.4'

95-88 FENCE 13.1' - REMOVE

95-89 FENCE 69.2'

96-37 FENCE 16.9' - REMOVE

96-44 WATER MH 91.2'

96-68 FENCE 19.3' - REMOVE

96-80 FENCE 20.2' - REMOVE

97-03 6" MULBERRY CLUSTER 37.1' - REMOVE

97-03 SIGN, NO PARKING 37.7' - REMOVE

97-13 WATER VALVE 62.4' - REMOVE

97-18 15" MULBERRY 77.6'

97-20 CATCH BASIN 57.8' - ADJ. CASE 2

97-21 12" MULBERRY 36.9' - REMOVE

97-26 TELE RISER BOX 36.9'

97-28 POWER POLE 37.1'

97-31 WATER VALVE 61.2'

97-32 FENCE 20.2' - REMOVE

97-43 24" POPLAR 37.3' - REMOVE

97-48 24" POPLAR 37.5' - REMOVE

97-48 18" DEAD TREE 39.4' - REMOVE

97-68 FENCE 20.4' - REMOVE

93-40 SIGN, TWO WAY ARROWS 35.5' - REMOVE

93-49 STORM MH 74.6'

93-60 RETAINING WALL 84.1'

93-67 RETAINING WALL 55.5'

93-68 TELE RISER BOX 46.5'

93-72 RETAINING WALL 88.5'

93-77 36" WALKUT 64.1'

93-79 RETAINING WALL 51.5'

94-24 LIGHT POLE 33.7' - REMOVE BY OTHERS

94-26 GUARDRAIL 55.5'

94-38 CATCH BASIN 47.8' - ADJ. CASE 2

94-48 24" WALKUT 59.8'

94-51 GUARDRAIL 63.0'

95-12 ELEC MH 90.4'

95-14 LIGHT POLE 89.1'

95-15 SIGN, ONE WAY 38.5' - REMOVE

95-20 CURB INLET 28.7' - REMOVE

95-43 SIGN, RR CROSSING 56.6' - REMOVE

95-45 ELEC MH 32.3' - REMOVE BY OTHERS

95-45 BENCHMARK 88.1' - PRESERVE

95-49 CURB INLET 27.9' - REMOVE

95-59 SIGN, ONE WAY 35.8' - REMOVE

96-16 LIGHT POLE 29.4' - REMOVE BY OTHERS

96-19 ELEC MH 30.9' - REMOVE BY OTHERS

96-55 METAL BILLBOARD POST 54.5'

96-60 METAL BILLBOARD POST 61.1'

96-66 METAL BILLBOARD POST 68.3'

96-88 SIGN, RAILROAD CROSSING 26.5' - REMOVE

97-32 LIGHT POLE 24.5' - REMOVE BY OTHERS

97-68 ELEC MH 28.5' - REMOVE BY OTHERS

06/03/2024	PAD
RE-ISSUED FOR BIDDING	
05/12/2023	PAD
ISSUED FOR BIDDING	
04/10/25/2023	PAD
90% SUBMITTAL	
01/08/2023	PAD
70% SUBMITTAL	

**REVISIONS**  
DATE: MARCH, 2024  
SCALE: 1" = 20'

LEGEND	DESCRIPTION
[Light Gray Box]	SAWCUT AND REMOVE FULL DEPTH EXISTING PAVEMENT STRUCTURE PAID FOR AS PAVT, REM, MODIFIED
[Medium Gray Box]	SAWCUT AND REMOVE FULL DEPTH EXISTING HMA PAID FOR AS HMA SURFACE, REM
[Dark Gray Box]	SAWCUT AND REMOVE FULL DEPTH EXISTING CONCRETE PAID FOR AS PAVT, REM, MODIFIED
[Stippled Box]	SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK PAID FOR AS SIDEWALK, REM.

REMOVAL PLAN - STA. 92+25 (P.O.B.) TO STA. 97+75  
JOB No. 224022  
**C007**  
OF 39

QUANTITIES THIS SHEET	
ITEM	QTY.
Tree, Rem, 19 inch to 36 inch	4 Ea
Tree, Rem, 37 inch or Larger	1 Ea
Tree, Rem, 6 inch to 18 inch	21 Ea
Dr Structure, Rem	4 Ea
Sewer, Rem, Less than 24 inch	155 Ft
Curb and Gutter, Rem	1,800 Ft
Fence, Rem	615 Ft
Guardrail, Rem	90 Ft
Sidewalk, Rem	155 Syd
Pavt, Rem, Modified	2,050 Syd
HMA Surface, Rem	1,850 Syd
Sign, Type III, Rem	14 Ea

**WIGHTMAN**

433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
269.327.3532

www.gowightman.com

PHILIP A. DOORLAG  
6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

CITY OF  
KALAMAZOO  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001

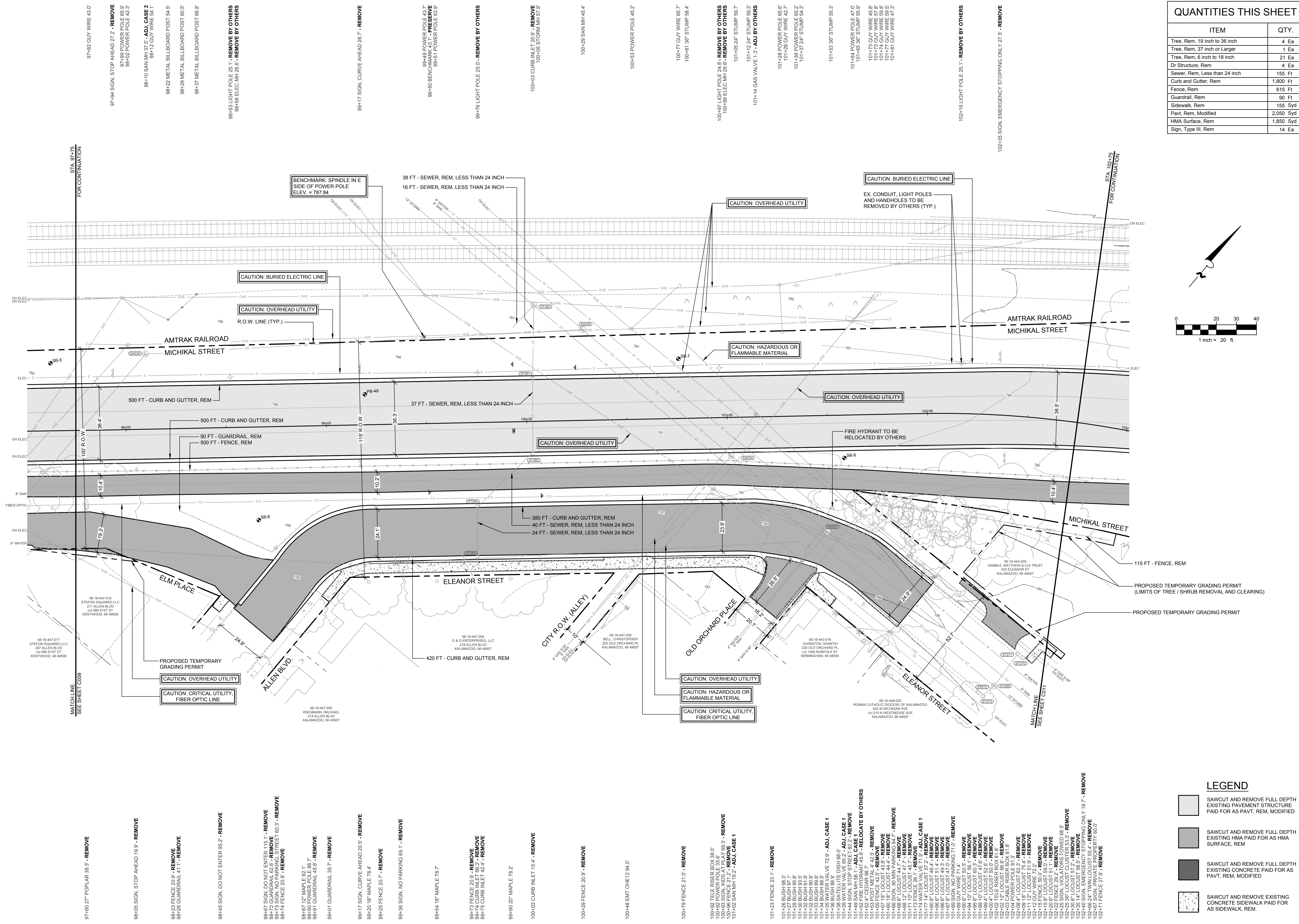
05/12/2023	PAD	ISSUED FOR BIDDING
04/10/2023	PAD	90% SUBMITTAL
01/06/2023	PAD	70% SUBMITTAL

REVISIONS

DATE: FEBRUARY, 2024  
SCALE: 1" = 20'

REMOVAL PLAN -  
STA. 97+75 TO STA. 102+75

JOB No. 224022  
**C008**  
OF 39



- 97+82 GUY WIRE 43.0' - REMOVE
- 97+94 SIGN, STOP AHEAD 27.2' - REMOVE
- 97+99 POWER POLE 65.9' - REMOVE
- 98+02 POWER POLE 42.3' - REMOVE
- 98+10 SAN MH 37.5' - ADJ. CASE 2
- 98+12 GUY WIRE 54.1' - REMOVE
- 98+22 METAL BILLBOARD POST 54.5' - REMOVE
- 98+29 METAL BILLBOARD POST 60.5' - REMOVE
- 98+37 METAL BILLBOARD POST 66.8' - REMOVE

- 98+63 LIGHT POLE 35.1' - REMOVE BY OTHERS
- 98+66 ELEC. MH 26.6' - REMOVE BY OTHERS
- 99+17 SIGN, CURVE AHEAD 26.7' - REMOVE
- 99+49 POWER POLE 43.7' - REMOVE
- 99+51 POWER POLE 63.9' - PRESERVE
- 99+78 LIGHT POLE 25.0' - REMOVE BY OTHERS
- 100+03 CURB INLET 20.9' - REMOVE
- 100+05 STORM MH 57.9' - REMOVE
- 100+29 SAN MH 45.4' - REMOVE
- 100+53 POWER POLE 45.2' - REMOVE

- 100+77 GUY WIRE 65.7' - REMOVE
- 100+81 3/8" STUMP 56.4' - REMOVE
- 100+97 LIGHT POLE 24.6' - REMOVE BY OTHERS
- 100+99 ELEC. MH 26.6' - REMOVE BY OTHERS
- 101+05 24" STUMP 59.7' - REMOVE
- 101+12 24" STUMP 55.3' - REMOVE
- 101+14 GAS VALVE 1.3' - ADJ. BY OTHERS
- 101+28 POWER POLE 65.6' - REMOVE
- 101+28 GUY WIRE 42.7' - REMOVE
- 101+36 POWER POLE 64.2' - REMOVE
- 101+37 24" STUMP 54.3' - REMOVE
- 101+53 3/8" STUMP 55.3' - REMOVE
- 101+64 POWER POLE 47.0' - REMOVE
- 101+65 3/8" STUMP 55.9' - REMOVE
- 101+73 GUY WIRE 45.8' - REMOVE
- 101+74 GUY WIRE 59.8' - REMOVE
- 101+77 GUY WIRE 59.5' - REMOVE
- 101+81 GUY WIRE 47.3' - REMOVE

- 102+16 LIGHT POLE 25.1' - REMOVE BY OTHERS
- 102+35 SIGN, EMERGENCY STOPPING ONLY 27.9' - REMOVE
- 99+55 18" MAPLE 78.7' - REMOVE
- 99+56 18" MAPLE 78.7' - REMOVE
- 99+01 GUARDRAIL 39.7' - REMOVE
- 99+17 SIGN, CURVE AHEAD 20.5' - REMOVE
- 99+20 18" MAPLE 78.4' - REMOVE
- 99+25 FENCE 20.7' - REMOVE
- 99+36 SIGN, NO PARKING 69.1' - REMOVE
- 99+54 18" MAPLE 78.7' - REMOVE
- 99+73 FENCE 20.9' - REMOVE
- 99+74 CURB INLET 65.3' - REMOVE
- 99+75 CURB INLET 42.4' - REMOVE
- 99+90 20" MAPLE 78.2' - REMOVE
- 100+03 CURB INLET 15.4' - REMOVE
- 100+29 FENCE 20.9' - REMOVE
- 100+48 EMT OHE 12.94.0' - REMOVE
- 100+92 TELE RISER BOX 38.0' - REMOVE
- 100+93 SIGN, KIDS AT PLAY 69.3' - REMOVE
- 100+96 FENCE 21.2' - REMOVE
- 101+02 SAN MH 19.2' - ADJ. CASE 1
- 101+23 FENCE 23.1' - REMOVE
- 101+28 BUSH 98.3' - REMOVE
- 101+27 BUSH 97.1' - REMOVE
- 101+26 BUSH 95.8' - REMOVE
- 101+32 BUSH 91.9' - REMOVE
- 101+33 BUSH 91.9' - REMOVE
- 101+34 BUSH 90.9' - REMOVE
- 101+35 BUSH 88.5' - REMOVE
- 101+36 BUSH 86.9' - REMOVE
- 101+38 WATER VALVE 72.9' - ADJ. CASE 1
- 101+39 WATER VALVE 68.0' - REMOVE
- 101+44 SIGN, STOP STREET 82.2' - REMOVE
- 101+46 SAN MH 56.1' - ADJ. CASE 1
- 101+52 4" CEDAR 98.7' - REMOVE
- 101+53 4" CEDAR 98.7' - REMOVE
- 101+54 18" LOCUST 46.4' - REMOVE
- 101+55 18" LOCUST 46.4' - REMOVE
- 101+56 SIGN, 30 MIN PARKING 94.7' - REMOVE
- 101+57 18" LOCUST 46.4' - REMOVE
- 101+58 18" LOCUST 46.4' - REMOVE
- 101+60 18" LOCUST 44.4' - REMOVE
- 101+61 18" LOCUST 44.4' - REMOVE
- 101+62 18" LOCUST 44.4' - REMOVE
- 101+63 18" LOCUST 44.4' - REMOVE
- 101+64 18" LOCUST 44.4' - REMOVE
- 101+65 18" LOCUST 44.4' - REMOVE
- 101+66 18" LOCUST 44.4' - REMOVE
- 101+67 18" LOCUST 44.4' - REMOVE
- 101+68 18" LOCUST 44.4' - REMOVE
- 101+69 18" LOCUST 44.4' - REMOVE
- 101+70 18" LOCUST 44.4' - REMOVE
- 101+71 18" LOCUST 44.4' - REMOVE
- 101+72 18" LOCUST 44.4' - REMOVE
- 101+73 18" LOCUST 44.4' - REMOVE
- 101+74 18" LOCUST 44.4' - REMOVE
- 101+75 18" LOCUST 44.4' - REMOVE
- 101+76 18" LOCUST 44.4' - REMOVE
- 101+77 18" LOCUST 44.4' - REMOVE
- 101+78 18" LOCUST 44.4' - REMOVE
- 101+79 18" LOCUST 44.4' - REMOVE
- 101+80 18" LOCUST 44.4' - REMOVE
- 101+81 18" LOCUST 44.4' - REMOVE
- 101+82 18" LOCUST 44.4' - REMOVE
- 101+83 18" LOCUST 44.4' - REMOVE
- 101+84 18" LOCUST 44.4' - REMOVE
- 101+85 18" LOCUST 44.4' - REMOVE
- 101+86 18" LOCUST 44.4' - REMOVE
- 101+87 18" LOCUST 44.4' - REMOVE
- 101+88 18" LOCUST 44.4' - REMOVE
- 101+89 18" LOCUST 44.4' - REMOVE
- 101+90 18" LOCUST 44.4' - REMOVE
- 101+91 18" LOCUST 44.4' - REMOVE
- 101+92 18" LOCUST 44.4' - REMOVE
- 101+93 18" LOCUST 44.4' - REMOVE
- 101+94 18" LOCUST 44.4' - REMOVE
- 101+95 18" LOCUST 44.4' - REMOVE
- 101+96 18" LOCUST 44.4' - REMOVE
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- 101+98 18" LOCUST 44.4' - REMOVE
- 101+99 18" LOCUST 44.4' - REMOVE
- 102+00 18" LOCUST 44.4' - REMOVE
- 102+01 18" LOCUST 44.4' - REMOVE
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- 102+03 18" LOCUST 44.4' - REMOVE
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- 102+08 18" LOCUST 44.4' - REMOVE
- 102+09 18" LOCUST 44.4' - REMOVE
- 102+10 18" LOCUST 44.4' - REMOVE
- 102+11 18" LOCUST 44.4' - REMOVE
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- 102+18 18" LOCUST 44.4' - REMOVE
- 102+19 18" LOCUST 44.4' - REMOVE
- 102+20 18" LOCUST 44.4' - REMOVE
- 102+21 18" LOCUST 44.4' - REMOVE
- 102+22 18" LOCUST 44.4' - REMOVE
- 102+23 18" LOCUST 44.4' - REMOVE
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- 102+25 18" LOCUST 44.4' - REMOVE
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- 102+28 18" LOCUST 44.4' - REMOVE
- 102+29 18" LOCUST 44.4' - REMOVE
- 102+30 18" LOCUST 44.4' - REMOVE
- 102+31 18" LOCUST 44.4' - REMOVE
- 102+32 18" LOCUST 44.4' - REMOVE
- 102+33 18" LOCUST 44.4' - REMOVE
- 102+34 18" LOCUST 44.4' - REMOVE
- 102+35 18" LOCUST 44.4' - REMOVE
- 102+36 18" LOCUST 44.4' - REMOVE
- 102+37 18" LOCUST 44.4' - REMOVE
- 102+38 18" LOCUST 44.4' - REMOVE
- 102+39 18" LOCUST 44.4' - REMOVE
- 102+40 18" LOCUST 44.4' - REMOVE
- 102+41 18" LOCUST 44.4' - REMOVE
- 102+42 18" LOCUST 44.4' - REMOVE
- 102+43 18" LOCUST 44.4' - REMOVE
- 102+44 18" LOCUST 44.4' - REMOVE
- 102+45 18" LOCUST 44.4' - REMOVE
- 102+46 18" LOCUST 44.4' - REMOVE
- 102+47 18" LOCUST 44.4' - REMOVE
- 102+48 18" LOCUST 44.4' - REMOVE
- 102+49 18" LOCUST 44.4' - REMOVE
- 102+50 18" LOCUST 44.4' - REMOVE

**LEGEND**

- SAWCUT AND REMOVE FULL DEPTH EXISTING PAVEMENT STRUCTURE PAID FOR AS PAVT, REM, MODIFIED
- SAWCUT AND REMOVE FULL DEPTH EXISTING HMA PAID FOR AS HMA SURFACE, REM
- SAWCUT AND REMOVE FULL DEPTH EXISTING CONCRETE PAID FOR AS PAVT, REM, MODIFIED
- SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK PAID FOR AS SIDEWALK, REM.



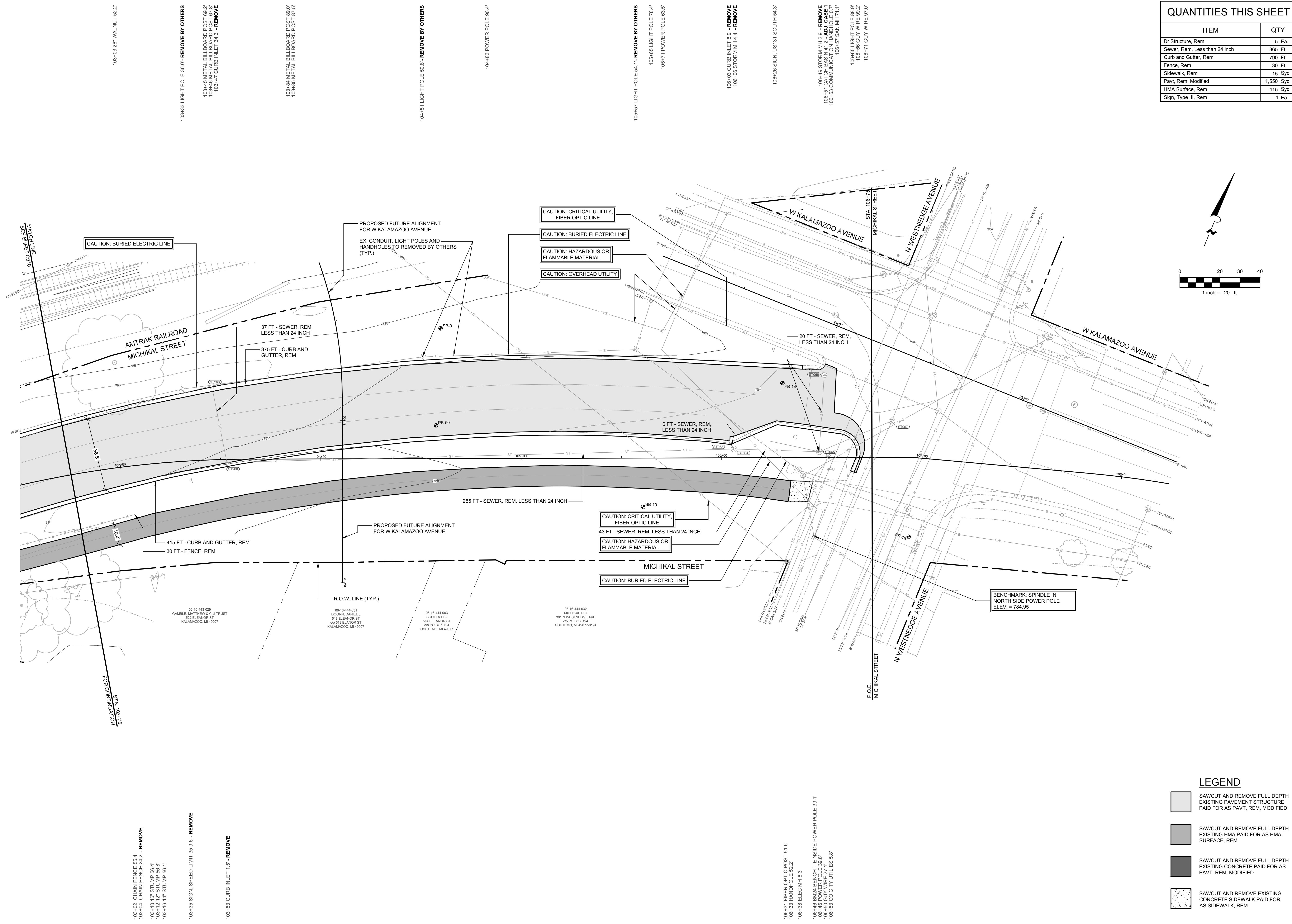
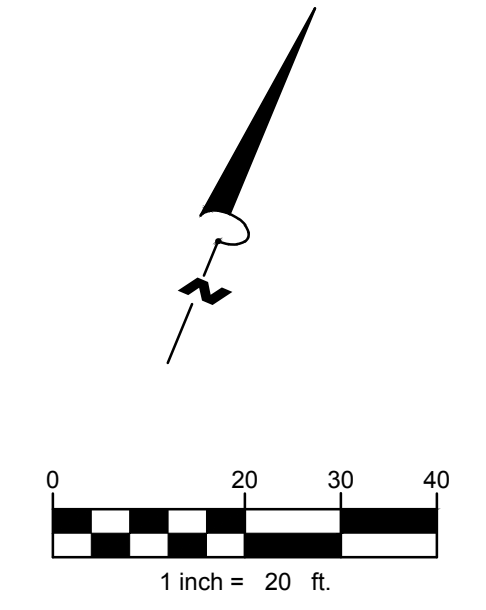
QUANTITIES THIS SHEET	
ITEM	QTY.
Dr Structure, Rem	5 Ea
Sewer, Rem, Less than 24 inch	365 Ft
Curb and Gutter, Rem	790 Ft
Fence, Rem	30 Ft
Sidewalk, Rem	15 Syd
Pavt, Rem, Modified	1,550 Syd
HMA Surface, Rem	415 Syd
Sign, Type III, Rem	1 Ea

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PHILIP A. DOORLAG  
 6201067363

**STREETS FOR ALL:  
 MICHIKAL  
 IMPROVEMENTS**

**CITY OF  
 KALAMAZOO**  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



103+03 26" WALNUT 52.2'  
 103+33 LIGHT POLE 36.0' - REMOVE BY OTHERS  
 103+45 METAL BILLBOARD POST 69.2'  
 103+46 METAL BILLBOARD POST 67.8'  
 103+47 CURB INLET 34.3' - REMOVE

103+84 METAL BILLBOARD POST 89.0'  
 103+85 METAL BILLBOARD POST 87.5'

104+51 LIGHT POLE 50.8' - REMOVE BY OTHERS

104+83 POWER POLE 90.4'

105+57 LIGHT POLE 54.1' - REMOVE BY OTHERS  
 105+65 LIGHT POLE 76.4'  
 105+71 POWER POLE 63.5'

106+03 CURB INLET 8.9' - REMOVE  
 106+06 STORM MH 4.4' - REMOVE

106+26 SIGN, US101 SOUTH 54.3'

106+49 STORM MH 2.9' - REMOVE  
 106+51 CATCH BASIN 41.2' - ADJ. CASE 1  
 106+53 COMMUNICATIONS MH 1.1'  
 106+57 SAN MH 1.1'  
 106+65 LIGHT POLE 88.9'  
 106+66 GUY WIRE 99.2'  
 106+71 GUY WIRE 97.0'

103+02 CHAIN FENCE 55.4'  
 103+04 CHAIN FENCE 24.2' - REMOVE  
 103+10 16" STUMP 56.4'  
 103+12 12" STUMP 56.8'  
 103+16 14" STUMP 56.1'  
 103+36 SIGN, SPEED LIMIT 35.9.6' - REMOVE  
 103+53 CURB INLET 1.5' - REMOVE

108+31 FIBER OPTIC POST 51.6'  
 108+33 HANDHOLE 52.2'  
 108+38 ELEC MH 6.3'  
 108+46 BM24 BENCH THE INSIDE POWER POLE 39.1'  
 108+48 POWER POLE 39.8'  
 108+50 GUY WIRE 27.1'  
 108+55 CO CITY UTILITIES 5.8'

- LEGEND**
- SAWCUT AND REMOVE FULL DEPTH EXISTING PAVEMENT STRUCTURE PAID FOR AS PAVT, REM, MODIFIED
  - SAWCUT AND REMOVE FULL DEPTH EXISTING HMA PAID FOR AS HMA SURFACE, REM
  - SAWCUT AND REMOVE FULL DEPTH EXISTING CONCRETE PAID FOR AS PAVT, REM, MODIFIED
  - SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK PAID FOR AS SIDEWALK, REM.

06/02/23/2024	PAD
RE-ISSUED FOR BIDDING	
05/12/01/2023	PAD
ISSUED FOR BIDDING	
04/10/25/2023	PAD
90% SUBMITTAL	
01/08/30/2023	PAD
70% SUBMITTAL	

**REVISIONS**  
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 DATE: FEBRUARY, 2024  
 SCALE: 1" = 20'

**REMOVAL PLAN -  
 STA. 102+75 TO STA. 106+75  
 (P.O.E.)**

Job No. 224022  
**C009**  
 OF 39

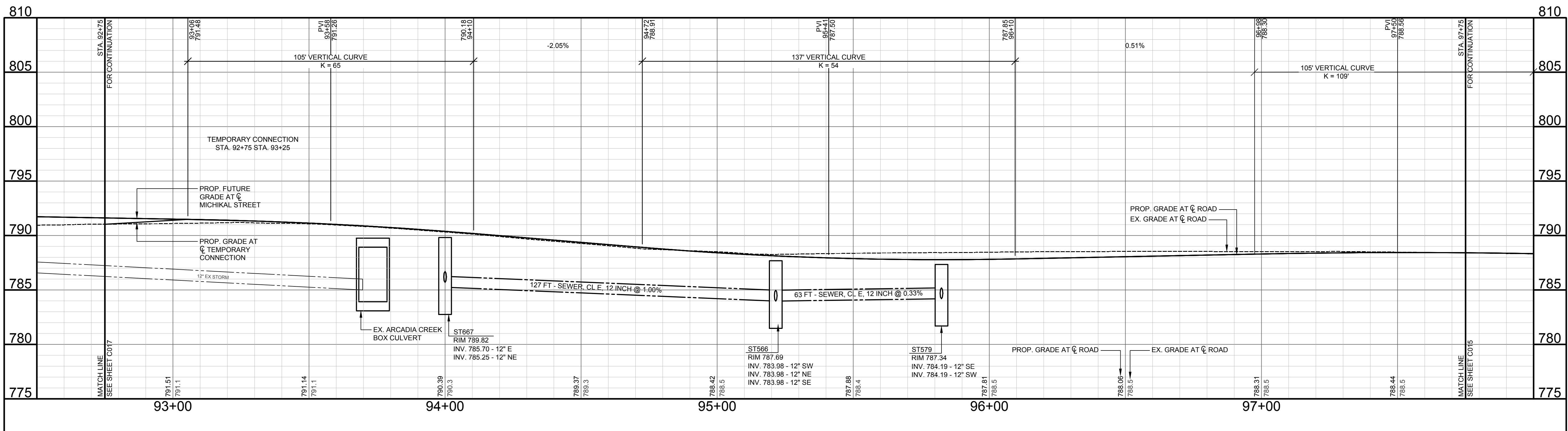
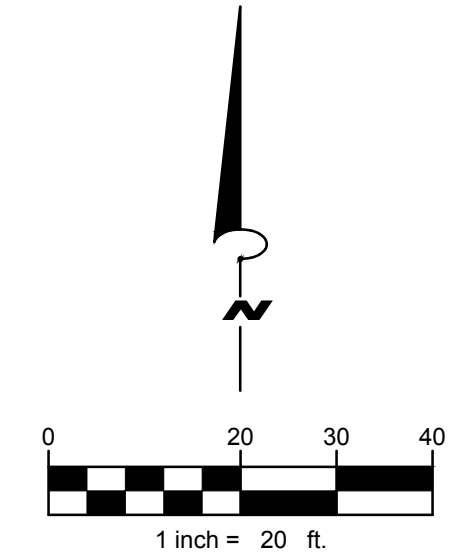
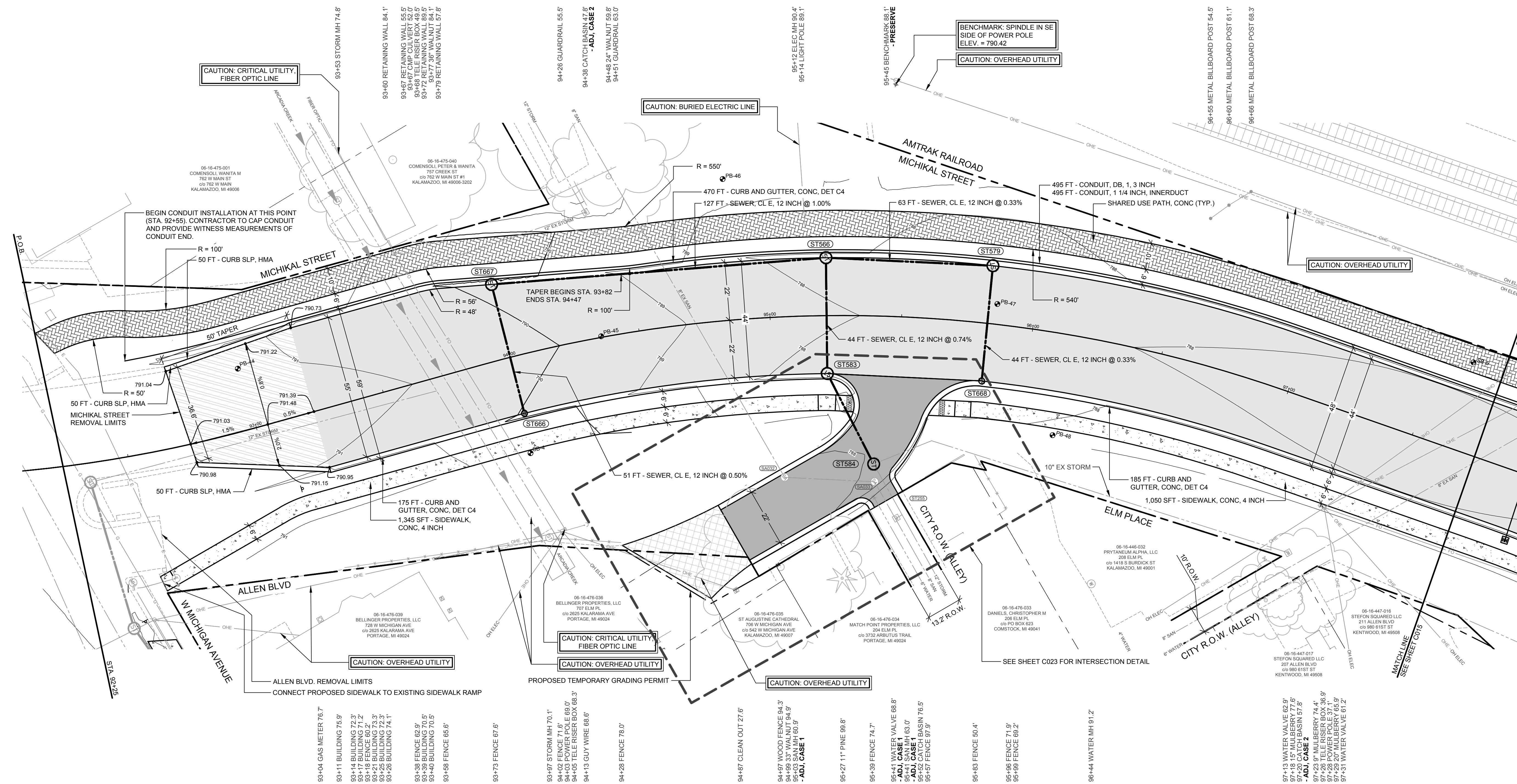
QUANTITIES THIS SHEET

ITEM	QTY.
Machine Grading, Modified	5 Sta
Subbase, CIP	965 Cyd
Aggregate Base, 8 inch, Modified	2,600 Syd
Sewer, Cl E, 12 inch, Tr Det B	330 Ft
Dr Structure Cover, Adj, Case 2	1 Ea
Dr Structure Cover, Type K	4 Ea
Dr Structure, 24 inch dia	1 Ea
Dr Structure, 48 inch dia	3 Ea
Dr Structure Cover, Type B, Modified	1 Ea
HMA, 3EML	470 Ton
HMA, 4EML	315 Ton
HMA, 5EML	215 Ton
Curb and Gutter, Conc, Det C4	830 Ft
Sidewalk, Conc, 4 inch	2,400 Sft
Curb Slp, HMA	100 Ft
Shared use Path, Conc	635 Syd
Shared use Path, Grading	570 Ft
Slope Restoration, Non-Freeway, Type B	2,500 Syd
Conduit, DB, 1, 3 inch	495 Ft
Conduit, 1 1/4 inch, innerduct	495 Ft

**WIGHTMAN**  
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PHILIP A. DOORLAG  
 6201067363  
 PROJECT NAME:  
**STREETS FOR ALL:  
 MICHIKAL IMPROVEMENTS**

CITY OF KALAMAZOO  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



**LEGEND**

- INSTALL CONC BASE CSE, NONREINF. 6 INCH AND 220#/SYD HMA, SEMI (HAND PATCHING).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, SEMI (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
- RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP)
- INSTALL SUBBASE, CIP (6" MIN.) AND SHARED USE PATH, CONC.
- INSTALL SIDEWALK, CONC, 4 INCH; SIDEWALK, CONC, 6 INCH; CURB RAMP, CONC, 6 INCH AND DRIVEWAY, NONREINF CONC, 6 INCH AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- INSTALL DETECTABLE WARNING SURFACE AT PROPOSED SIDEWALK RAMPS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

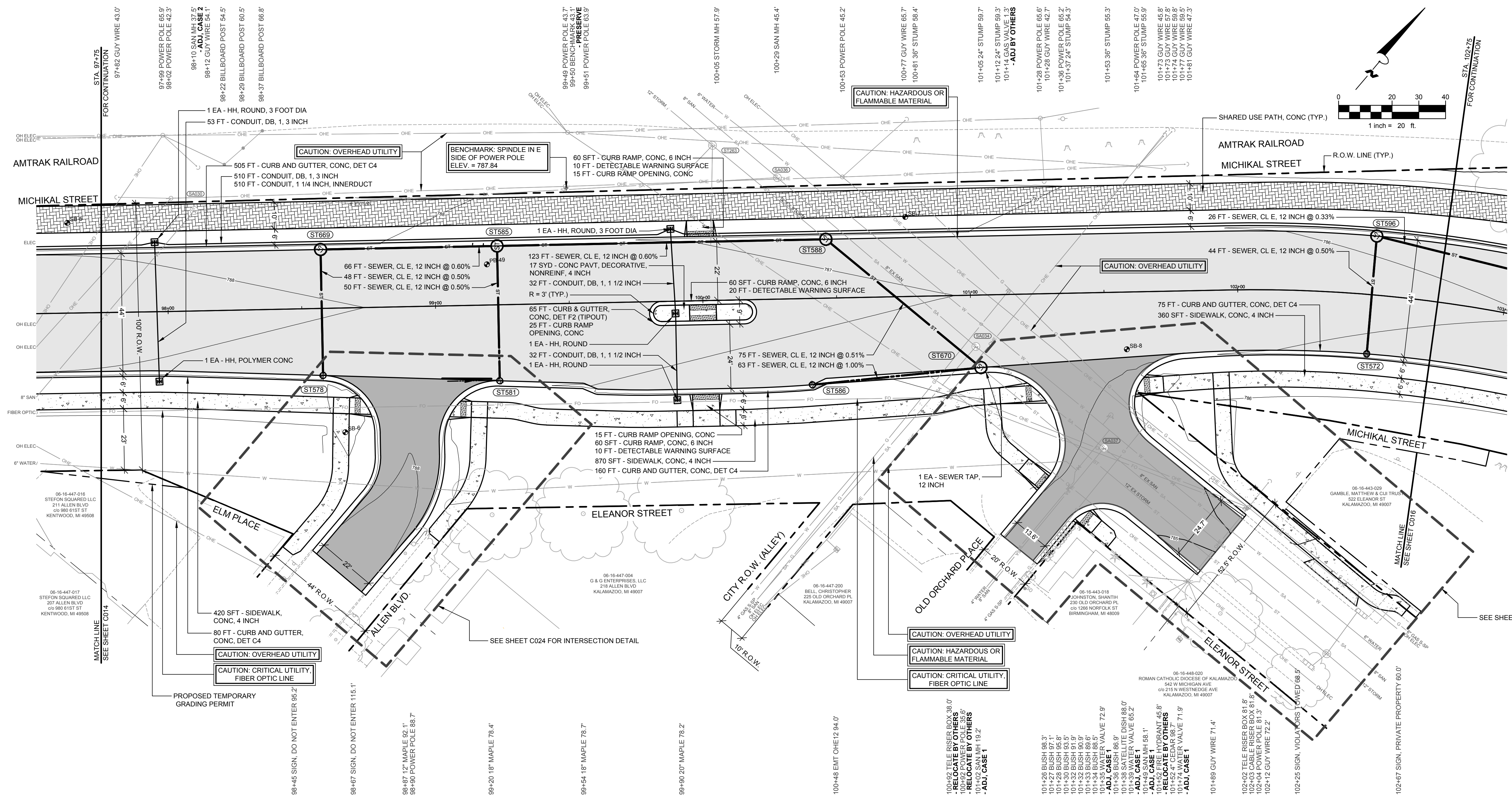
06 03/08/2024 PAD RE-ISSUED FOR BIDDING  
 05 12/01/2023 PAD ISSUED FOR BIDDING  
 04 10/25/2023 PAD 90% SUBMITTAL  
 01 06/30/2023 PAD 70% SUBMITTAL

**REVISIONS**

DATE: MARCH, 2024  
 SCALE: 1" = 20'H, 5'V

**PLAN AND PROFILE - BASE BID - STA. 92+25 (P.O.B.) TO STA. 97+75**

JOB No. 224022  
**C010**  
 OF 39



### QUANTITIES THIS SHEET

ITEM	QTY.
Machine Grading, Modified	5 Sta
Subbase, CIP	1,050 Cyd
Aggregate Base, 8 Inch, Modified	2,650 Syd
Sewer, Cl E, 12 inch, Tr Det B	495 Ft
Sewer Tap, 12 inch	1 Ea
Dr Structure Cover, Adj, Case 2	1 Ea
Dr Structure, 24 inch dia	7 Ea
Dr Structure, 48 inch dia	2 Ea
Dr Structure Cover, Adj, Case 1, Modified	5 Ea
Dr Structure Cover, Type Q, Modified	1 Ea
HMA, 3EML	2 Ea
HMA, 4EML	480 Ton
HMA, 5EML	320 Ton
Conc Pavt, Decorative, Nonreinf, 4 inch	240 Ton
Curb and Gutter, Conc, Det C4	790 Ft
Curb and Gutter, Conc, Det F2	65 Ft
Detectable Warning Surface	40 Ft
Curb Ramp Opening, Conc	55 Ft
Sidewalk, Conc, 4 inch	1,650 Sft
Curb Ramp, Conc, 6 inch	180 Sft
Shared use Path, Conc	565 Syd
Shared use Path, Grading	505 Ft
Slope Restoration, Non-Freeway, Type B	1,250 Syd
Conduit, DB, 1, 1 1/2 inch	65 Ft
Conduit, DB, 1, 3 inch	565 Ft
Hh, Polymer Conc	1 Ea
Hh, Round	2 Ea
Hh, Round, 3 foot dia	2 Ea
Conduit, 1 1/4 inch, Innerduct	510 Ft

**WIGHTMAN**  
433 E. RANSOM ST.  
KALAMAZOO, MI 49007  
269.327.3532  
www.wightman.com

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

CITY OF  
**KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001

PHILIP A. DOORLAG  
6201067363



### LEGEND

- INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#/SYD HMA, SEMI (HAND PATCHING).
- INSTALL SUBBASE, CIP (12" MIN); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, SEMI (TOP).
- INSTALL SUBBASE, CIP (12" MIN); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SUBBASE, CIP (6" MIN.) AND SHARED USE PATH, CONC.
- INSTALL SIDEWALK, CONC, 4 INCH; SIDEWALK, CONC, 6 INCH; CURB RAMP CONC, 6 INCH AND DRIVEWAY, NONREINF CONC, 6 INCH AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- INSTALL DETECTABLE WARNING SURFACE AT PROPOSED SIDEWALK RAMPS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DATE	DESCRIPTION	BY
06/03/2024	PAD RE-ISSUED FOR BIDDING	
05/12/2023	PAD ISSUED FOR BIDDING	
04/10/25/2023	PAD 90% SUBMITTAL	
01/06/30/2023	PAD 70% SUBMITTAL	

**REVISIONS**  
DATE: MARCH, 2024  
SCALE: 1" = 20'H, 5'V

**PLAN AND PROFILE -  
BASE BID -  
STA. 97+75 TO STA. 102+75**

JOB No. 224022  
**C011**  
OF 39

QUANTITIES THIS SHEET

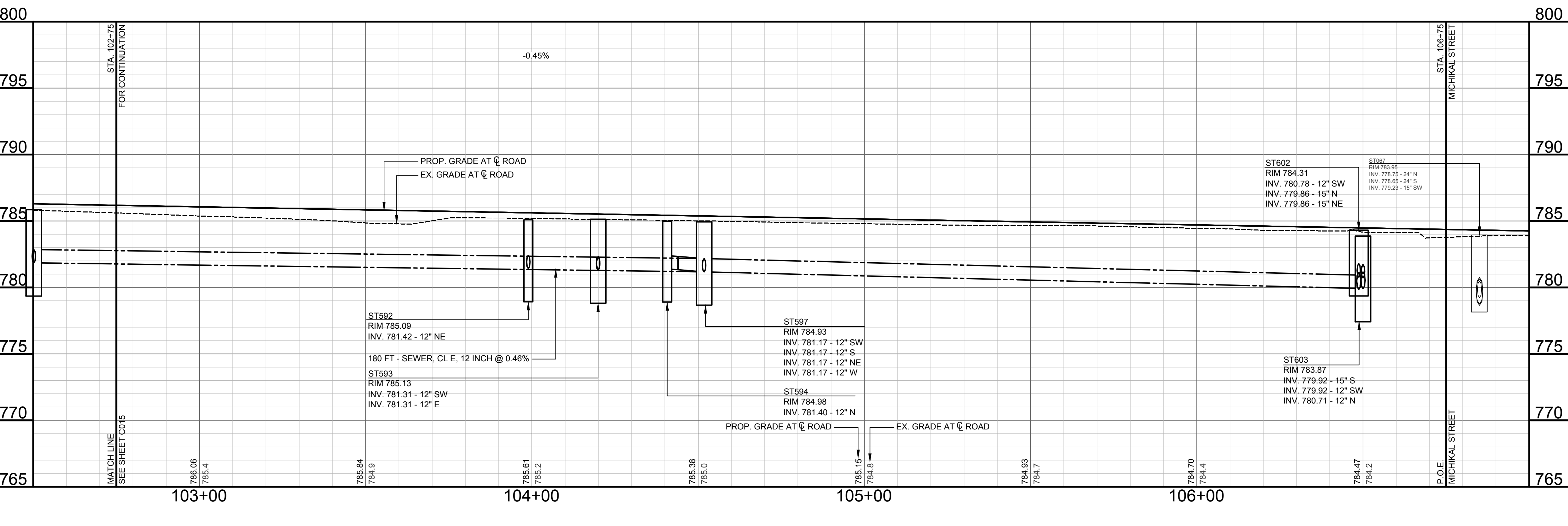
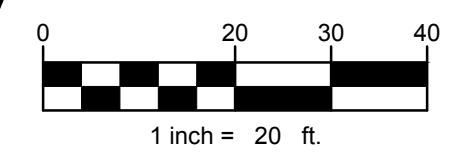
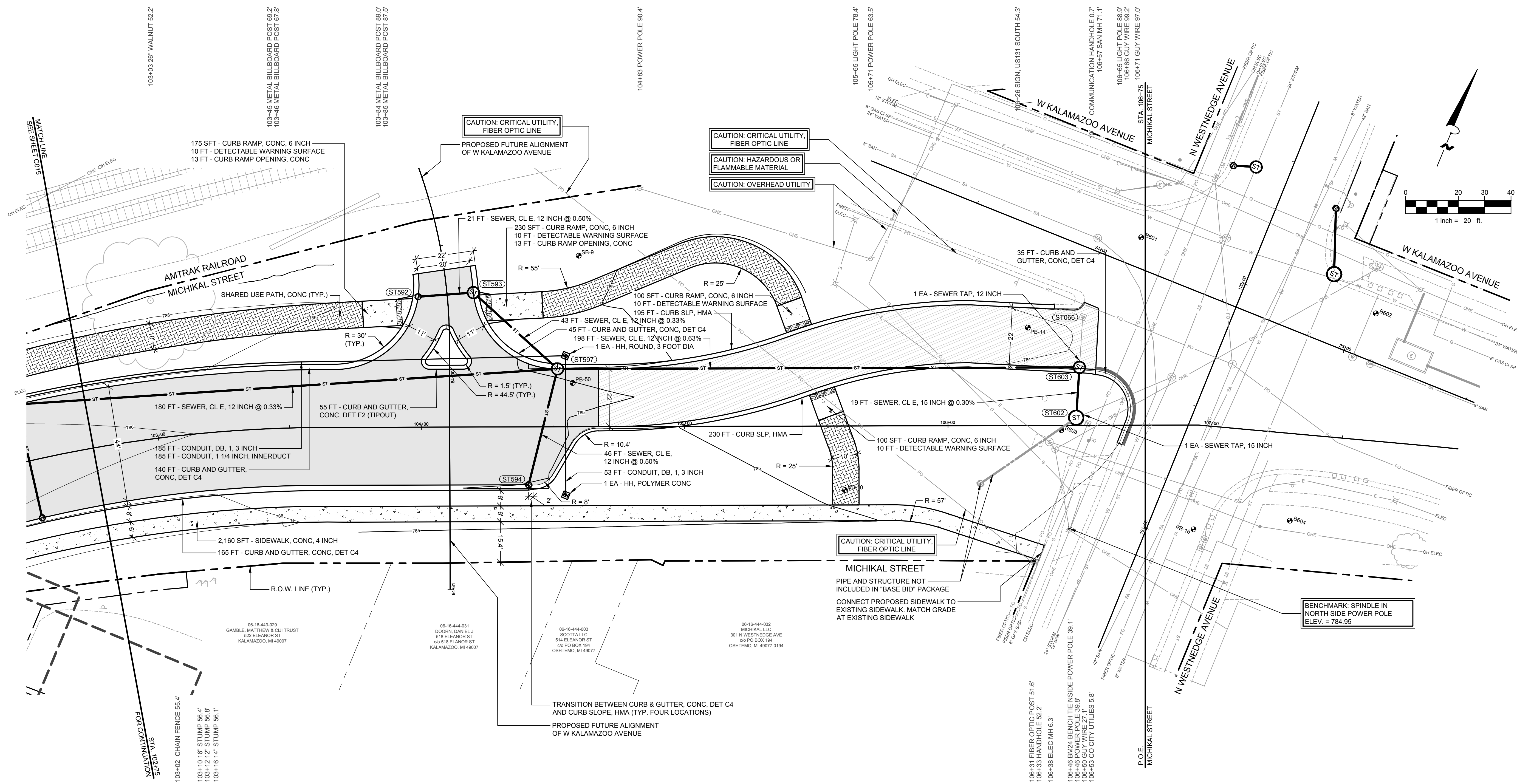
ITEM	QTY.
Machine Grading, Modified	4 Sta
Subbase, CIP	635 Cyd
Aggregate Base, 8 Inch, Modified	1,550 Syd
Sewer, Cl E, 12 inch, Tr Det B	490 Ft
Sewer, Cl E, 15 inch, Tr Det B	20 Ft
Sewer Tap, 12 inch	1 Ea
Sewer Tap, 15 inch	1 Ea
Dr Structure Cover, Type D	1 Ea
Dr Structure Cover, Type K	5 Ea
Dr Structure, 24 inch dia	2 Ea
Dr Structure, 48 inch dia	3 Ea
Dr Structure, 60 inch dia	1 Ea
Dr Structure Cover, Adj, Case 1, Modified	1 Ea
Dr Structure Cover, Type B, Modified	1 Ea
HMA, 3EML	280 Ton
HMA, 4EML	185 Ton
HMA, 5EML	100 Ton
Conc Base Cse, Nonreinf, 6 inch	5 Syd
Curb and Gutter, Conc, Det C4	385 Ft
Curb and Gutter, Conc, Det F2	55 Ft
Detectable Warning Surface	40 Ft
Curb Ramp Opening, Conc	30 Ft
Sidewalk, Conc, 4 inch	2,160 Sft
Curb Slp, HMA	605 Sft
Shared use Path, Conc	285 Syd
Shared use Path, Grading	255 Ft
Slope Restoration, Non-Freeway, Type B	3,000 Syd
Conduilt, DB, 1, 3 inch	240 Ft
Hh, Polymer Conc	1 Ea
Hh, Round, 3 foot dia	1 Ea
Conduilt, 1 1/4 inch, innerduct	240 Ft

**W+**  
**WIGHTMAN**  
433 E. RANSOM ST.  
KALAMAZOO, MI 49007  
269.327.3532  
www.wightman.com

PHILIP A. DOORLAG  
6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL IMPROVEMENTS**

**CITY OF KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**LEGEND**

- INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#/SYD HMA, 5EML (HAND PATCHING).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, 5EML (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
- RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SUBBASE, CIP (6" MIN.) AND SHARED USE PATH, CONC.
- INSTALL SIDEWALK, CONC, 4 INCH; SIDEWALK, CONC, 6 INCH; CURB RAMP, CONC, 6 INCH AND DRIVEWAY, NONREINF CONC, 6 INCH AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- INSTALL DETECTABLE WARNING SURFACE AT PROPOSED SIDEWALK RAMP AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

06 03/08/2024 PAD  
RE-ISSUED FOR BIDDING

05 12/01/2023 PAD  
ISSUED FOR BIDDING

04 10/25/2023 PAD  
90% SUBMITTAL

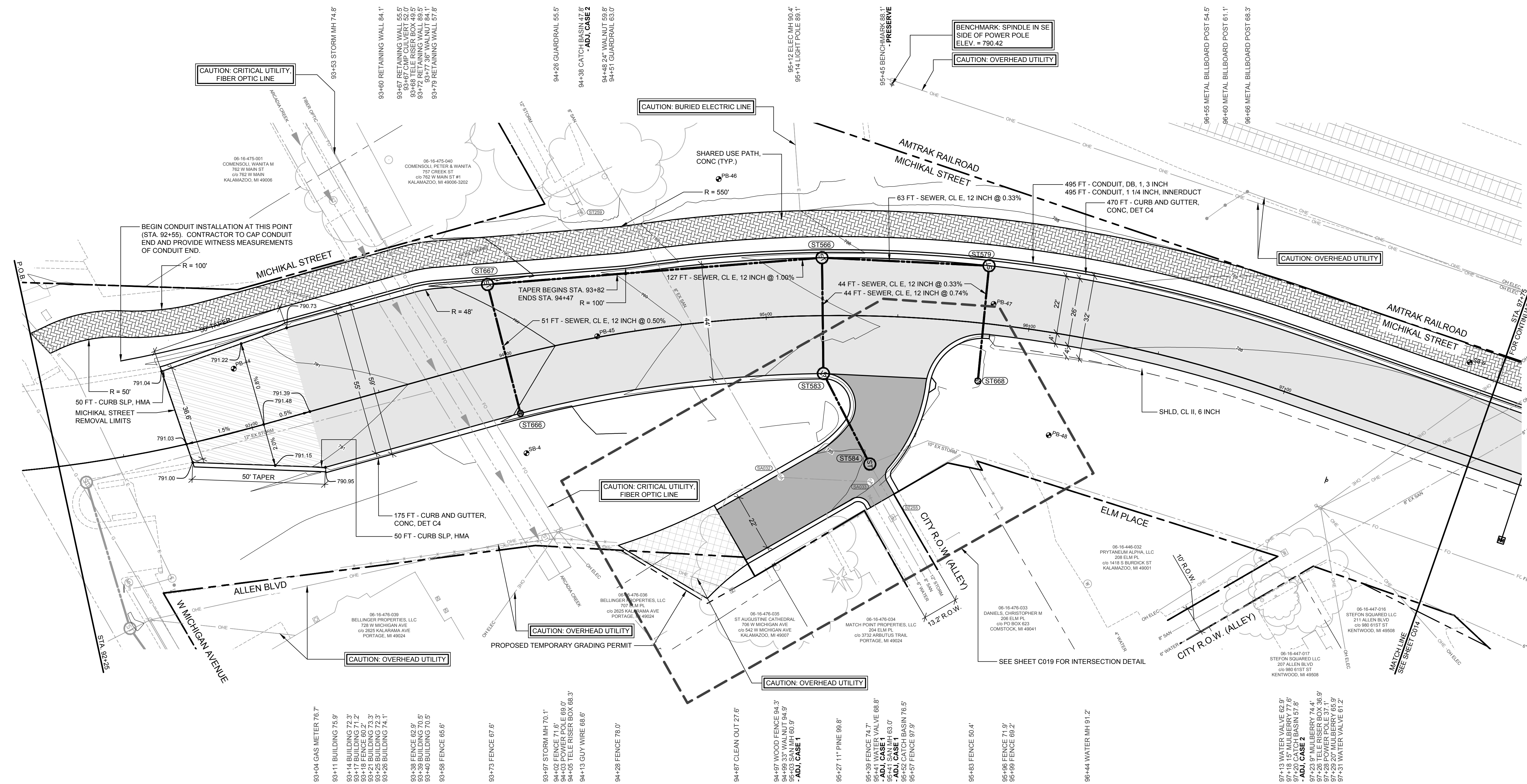
01 06/30/2023 PAD  
70% SUBMITTAL

**REVISIONS**

DATE: MARCH, 2024  
SCALE: 1" = 20'H, 5'V

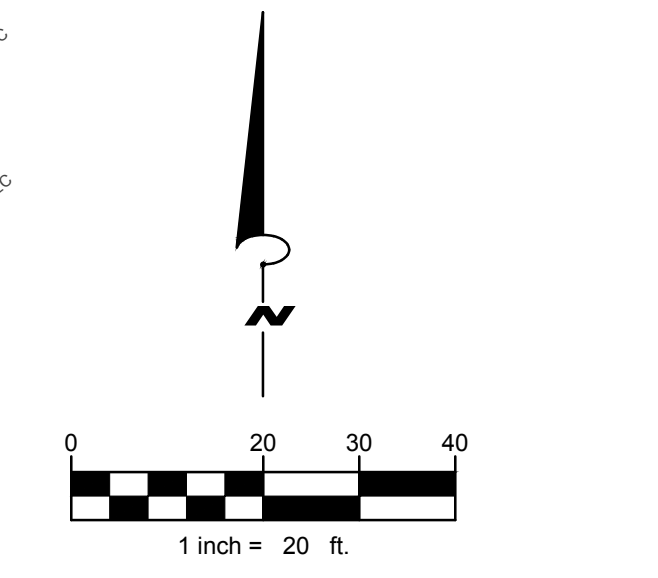
**PLAN AND PROFILE -  
BASE BID -  
STA. 102+75 TO STA. 106+75  
(P.O.E.)**

JOB No. 224022  
**C012**  
OF 39



### QUANTITIES THIS SHEET

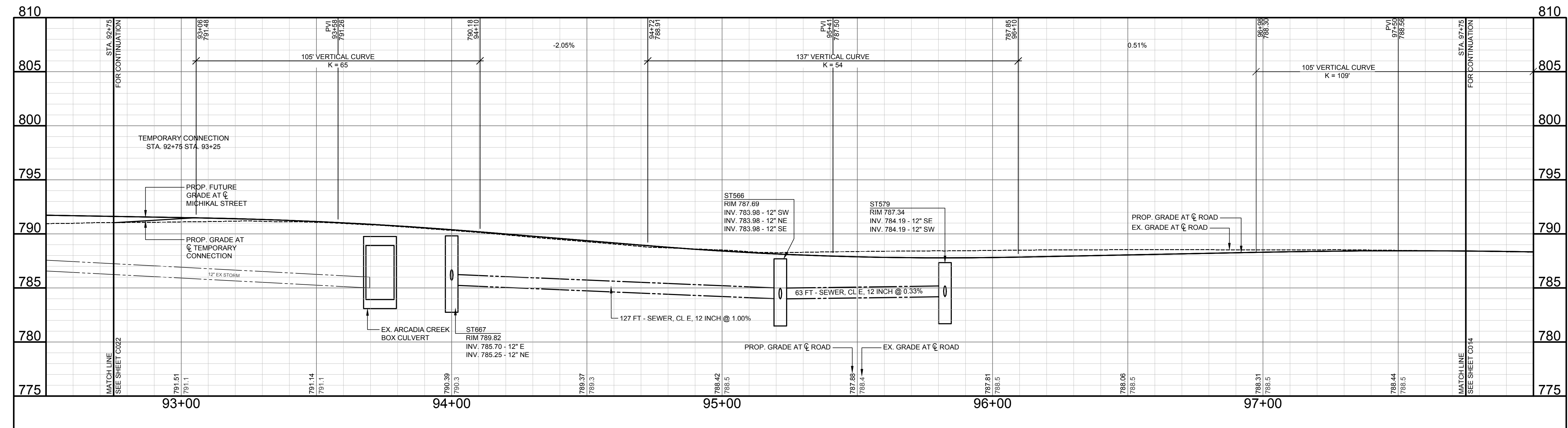
ITEM	QTY.
Machine Grading, Modified	5 Sta
Subbase, CIP	855 Cyd
Aggregate Base, 8 inch, Modified	2,200 Syd
Shld, Cl II, 6 inch	85 Syd
Sewer, Cl E, 12 inch, Tr Det B	330 Ft
Dr Structure Cover, Adj, Case 2	1 Ea
Dr Structure Cover, Type K	4 Ea
Dr Structure, 24 inch dia	1 Ea
Dr Structure, 48 inch dia	3 Ea
Dr Structure Cover, Type B, Modified	1 Ea
HMA, 3EML	395 Ton
HMA, 4EML	265 Ton
HMA, 5EML	175 Ton
Curb and Gutter, Conc, Det C4	645 Ft
Curb Slp, HMA	100 Ft
Shared use Path, Conc	635 Syd
Shared use Path, Grading	570 Ft
Slope Restoration, Non-Freeway, Type B	3,100 Syd
Conduit, DB, 1, 3 inch	495 Ft
Conduit, 1 1/4 inch, innerduct	495 Ft



**WIGHTMAN**  
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PROJECT NAME:  
**STREETS FOR ALL:  
MICHICAL  
IMPROVEMENTS**

CITY OF  
**KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



### LEGEND

- INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#/SYD HMA, 5EML (HAND PATCHING).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, 5EML (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
- RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SUBBASE, CIP (6" MIN.) AND SHARED USE PATH, CONC.
- INSTALL SIDEWALK, CONC, 4 INCH; SIDEWALK, CONC, 6 INCH; CURB RAMP, CONC, 6 INCH AND DRIVEWAY, NONREINF CONC, 6 INCH AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- INSTALL DETECTABLE WARNING SURFACE AT PROPOSED SIDEWALK RAMP AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

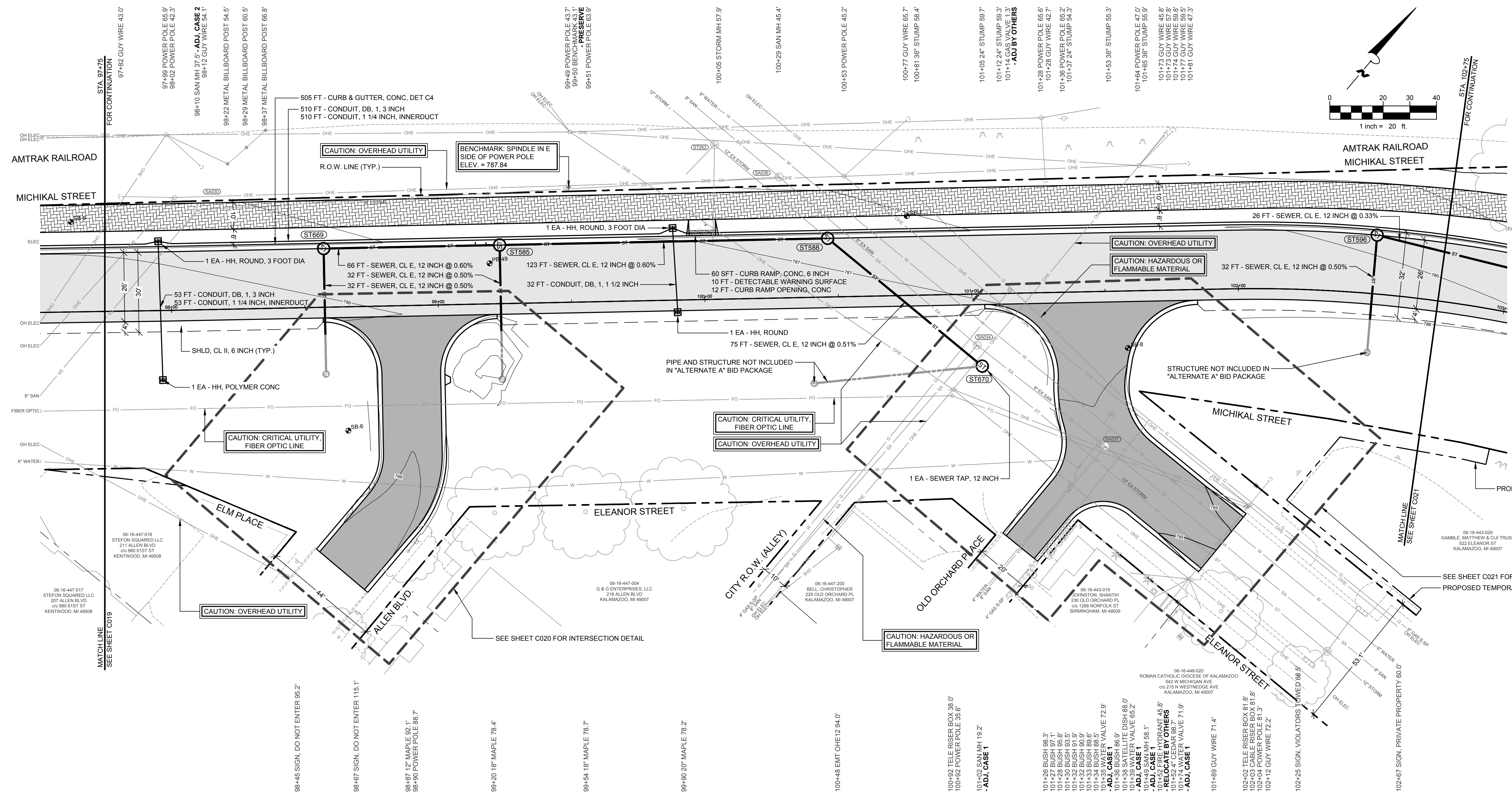
### REVISIONS

DATE	DESCRIPTION	BY
06/03/08/2024	PAD RE-ISSUED FOR BIDDING	PAD
05/12/01/2023	ISSUED FOR BIDDING	PAD
04/10/25/2023	90% SUBMITTAL	PAD
01/06/30/2023	70% SUBMITTAL	PAD

DATE: MARCH, 2024  
SCALE: 1" = 20'H, 5'V

**PLAN AND PROFILE -  
ALTERNATE A -  
STA. 92+25 (P.O.B.) TO STA.  
97+75**

JOB No. 224022  
**C013**  
OF 39

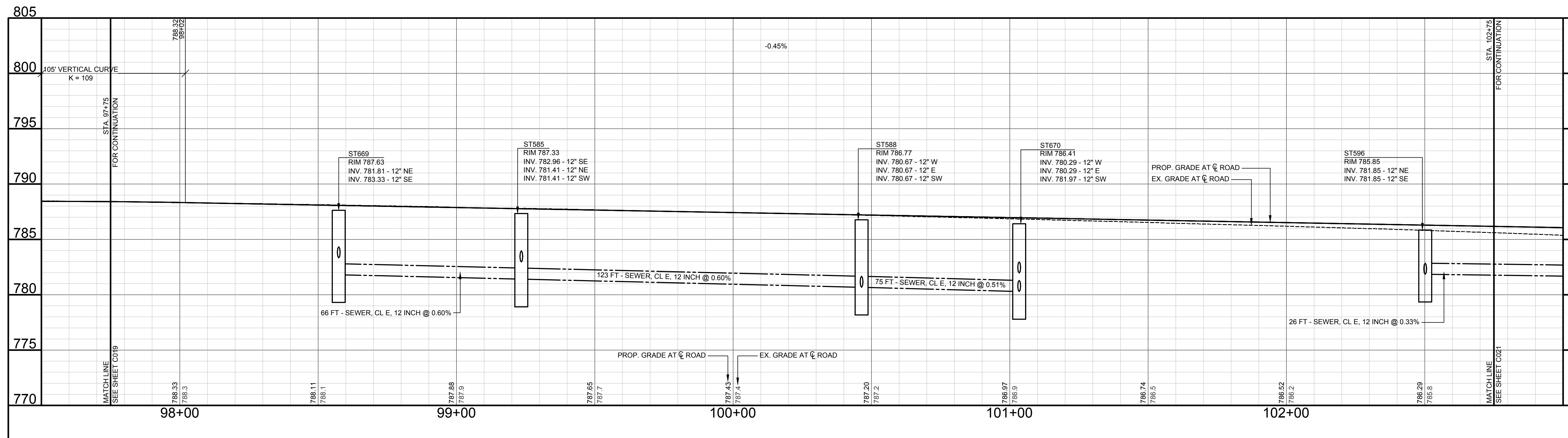
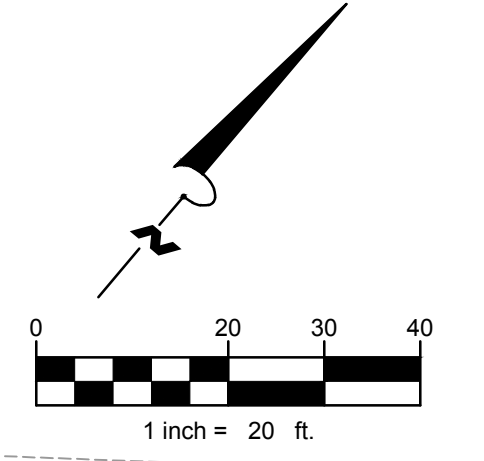


QUANTITIES THIS SHEET	
ITEM	QTY.
Machine Grading, Modified	5 Sta
Subbase, CIP	690 Cyd
Aggregate Base, 8 inch, Modified	1,450 Syd
Shld, Cl II, 6 inch	175 Syd
Sewer, Cl E, 12 inch, Tr Det B	390 Ft
Sewer Tap, 12 inch	1 Ea
Dr Structure Cover, Adj, Case 2	2 Ea
Dr Structure Cover, Type K	4 Ea
Dr Structure, 48 inch dia	5 Ea
Dr Structure Cover, Type B, Modified	1 Ea
Dr Structure Cover, Type Q, Modified	2 Ea
HMA, 3EML	265 Ton
HMA, 4EML	175 Ton
HMA, 5EML	135 Ton
Curb and Gutter, Conc, Det C4	485 Ft
Detectable Warning Surface	10 Ft
Curb Ramp Opening, Conc	15 Ft
Curb Ramp, Conc, 6 inch	60 Sft
Shared use Path, Conc	565 Syd
Shared use Path, Grading	505 Ft
Slope Restoration, Non-Freeway, Type B	2,400 Syd
Conduit, DB, 1, 1 1/2 inch	35 Ft
Conduit, DB, 1, 3 inch	565 Ft
Hh, Polymer Conc	1 Ea
Hh, Round	1 Ea
Hh, Round, 3 foot dia	2 Ea
Conduit, 1 1/4 inch, innerduct	565 Ft

**WIGHTMAN**  
 433 E. RANSOM ST.  
 KALAMAZOO, MI 49007  
 269.327.3532  
 www.gowightman.com

PROJECT NAME:  
**STREETS FOR ALL: MICHIKAL IMPROVEMENTS**

CITY OF KALAMAZOO  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



LEGEND	
[Pattern]	INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#/SYD HMA, 5EML (HAND PATCHING).
[Pattern]	INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, 5EML (TOP).
[Pattern]	INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
[Pattern]	INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
[Pattern]	RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP).
[Pattern]	INSTALL SUBBASE, CIP (6" MIN.) AND SHARED USE PATH, CONC.
[Pattern]	INSTALL SIDEWALK, CONC, 4 INCH; SIDEWALK, CONC, 6 INCH; CURB RAMP, CONC, 6 INCH AND DRIVEWAY, NONREINF CONC, 6 INCH AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
[Pattern]	INSTALL DETECTABLE WARNING SURFACE AT PROPOSED SIDEWALK RAMP AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DATE	DESCRIPTION	BY
06/03/08/2024	PAD RE-ISSUED FOR BIDDING	
05/12/01/2023	ISSUED FOR BIDDING	
04/10/25/2023	90% SUBMITTAL	
01/06/30/2023	70% SUBMITTAL	

REVISIONS  
 DATE: MARCH, 2024  
 SCALE: 1" = 20'H, 5'V  
 PLAN AND PROFILE - ALTERNATE A - STA. 97+75 TO STA. 102+75  
 JOB No. 224022  
**C014**  
 OF 39

QUANTITIES THIS SHEET

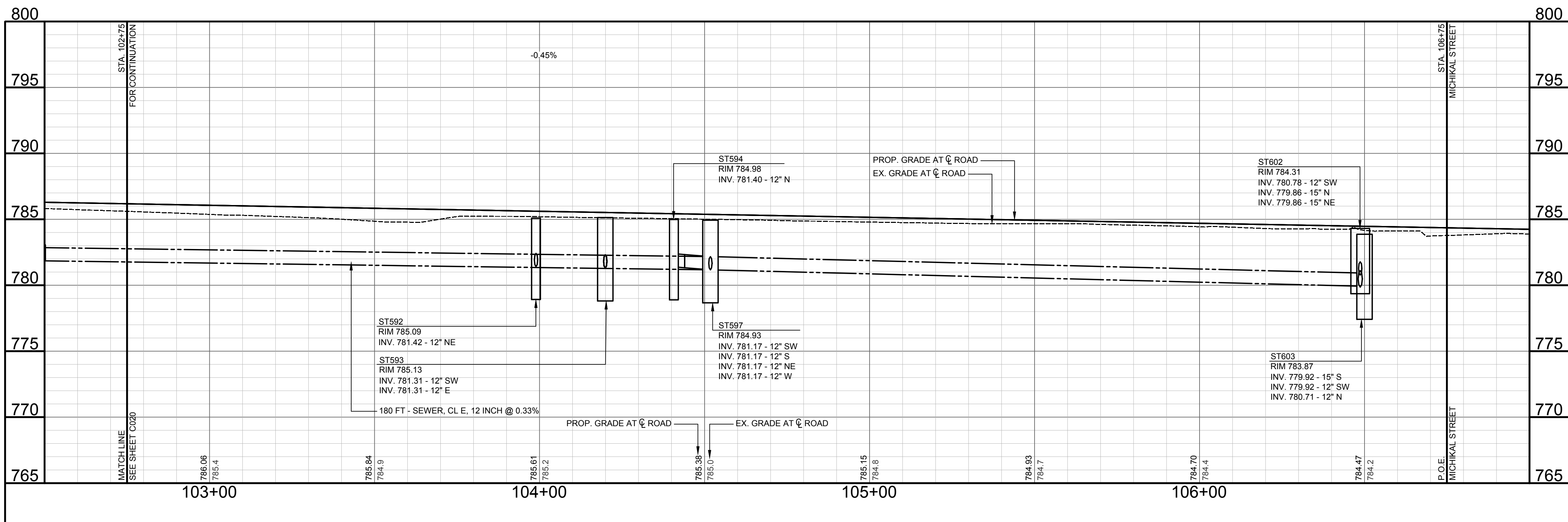
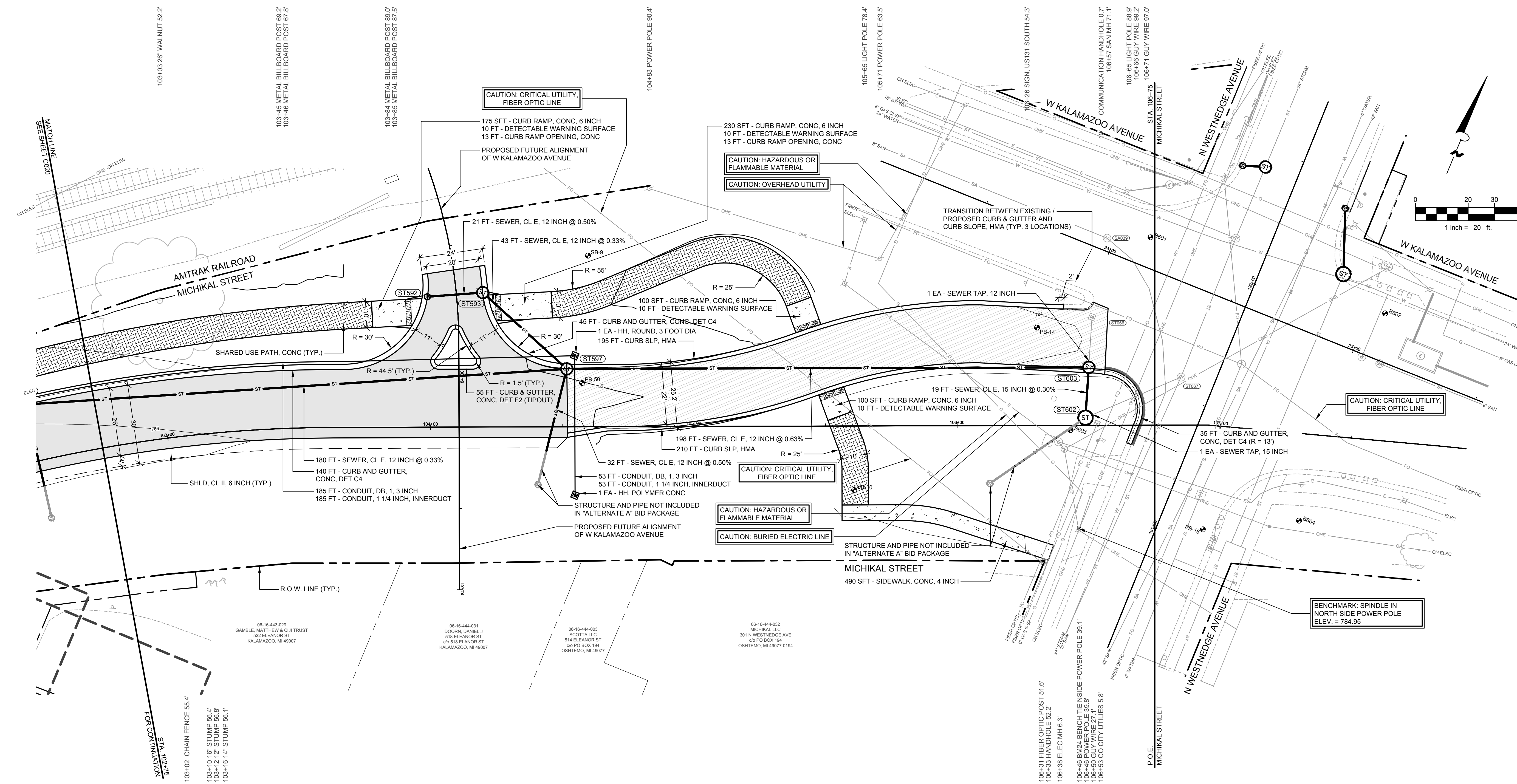
ITEM	QTY.
Machine Grading, Modified	4 Sta
Subbase, CIP	505 Cyd
Aggregate Base, 8 inch, Modified	1,200 Syd
Shld, Cl II, 6 inch	80 Syd
Sewer, Cl E, 12 inch, Tr Det B	475 Ft
Sewer, Cl E, 15 inch, Tr Det B	20 Ft
Sewer Tap, 12 inch	1 Ea
Sewer Tap, 15 inch	1 Ea
Dr Structure Cover, Type D	1 Ea
Dr Structure Cover, Type K	4 Ea
Dr Structure, 24 inch dia	1 Ea
Dr Structure, 48 inch dia	3 Ea
Dr Structure, 60 inch dia	1 Ea
Dr Structure Cover, Adj, Case 1, Modified	1 Ea
Dr Structure Cover, Type B, Modified	1 Ea
HMA, 3EML	215 Ton
HMA, 4EML	145 Ton
HMA, 5EML	60 Ton
Conc Base Cse, Nonreinf, 6 inch	5 Syd
Curb and Gutter, Conc, Det C4	220 Ft
Curb and Gutter, Conc, Det F2	55 Ft
Detectable Warning Surface	40 Ft
Curb Ramp Opening, Conc	30 Ft
Sidewalk, Conc, 4 inch	490 Sft
Curb Ramp, Conc, 6 inch	605 Sft
Curb Slp, HMA	405 Ft
Shared use Path, Conc	285 Syd
Shared use Path, Grading	255 Ft
Slope Restoration, Non-Freeway, Type B	3,600 Syd
Conduit, DB, 1, 3 inch	240 Ft
Hh, Polymer Conc	1 Ea
Hh, Round, 3 foot dia	1 Ea
Conduit, 1 1/4 inch, innerduct	240 Ft

**WIGHTMAN**  
433 E. RANSOM ST.  
KALAMAZOO, MI 49007  
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PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL IMPROVEMENTS**

CITY OF  
**KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001

PHILIP A. DOORLAG  
6201067363



**LEGEND**

- INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#/SYD HMA, 5EML (HAND PATCHING).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, 5EML (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
- RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP)
- INSTALL SUBBASE, CIP (6" MIN.) AND SHARED USE PATH, CONC.
- INSTALL SIDEWALK, CONC, 4 INCH; SIDEWALK, CONC, 6 INCH; CURB RAMP, CONC, 6 INCH AND DRIVEWAY, NONREINF CONC, 6 INCH AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- INSTALL DETECTABLE WARNING SURFACE AT PROPOSED SIDEWALK RAMPS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

06/22/2024 PAD RE-ISSUED FOR BIDDING  
05/12/2023 PAD ISSUED FOR BIDDING  
04/10/2023 PAD 90% SUBMITTAL  
01/08/2023 PAD 70% SUBMITTAL

**REVISIONS**

DATE: FEBRUARY, 2024  
SCALE: 1" = 20'H; 5'V

**PLAN AND PROFILE - ALTERNATE A - STA. 102+75 TO STA. 106+75 (P.O.E.)**

JOB No. 224022  
**C015**  
OF 39

QUANTITIES THIS SHEET

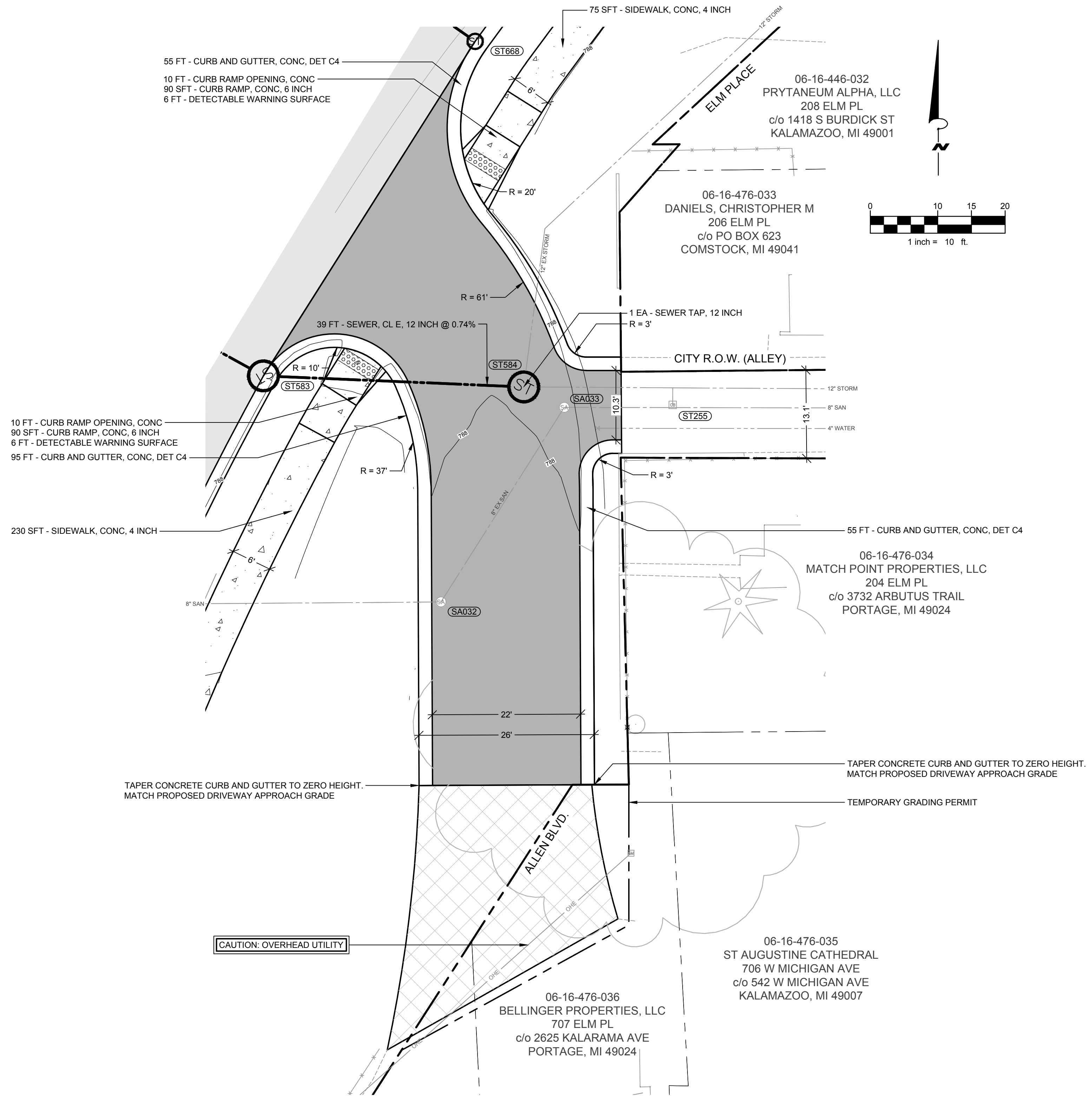
ITEM	QTY.
Subbase, CIP	100 Cyd
Aggregate Base, 8 Inch, Modified	350 Syd
Sewer, Cl E, 12 inch, Tr Det B	40 Ft
Sewer Tap, 12 inch	1 Ea
Dr Structure Cover, Type K	2 Ea
Dr Structure, 24 inch dia	1 Ea
Dr Structure, 48 inch dia	2 Ea
Dr Structure Cover, Adj, Case 1, Modified	2 Ea
Dr Structure Cover, Type B, Modified	1 Ea
Dr Structure Cover, Type Q, Modified	2 Ea
HMA Approach	20 Ton
HMA, 4EML	30 Ton
HMA, 5EML	25 Ton
Curb and Gutter, Conc, Det C4	205 Ft
Detectable Warning Surface	15 Ft
Curb Ramp Opening, Conc	20 Ft
Sidewalk, Conc, 4 inch	305 Sft
Curb Ramp, Conc, 6 inch	180 Sft
Slope Restoration, Non-Freeway, Type B	450 Syd

**W+**  
**WIGHTMAN**  
 433 E. RANSOM ST.  
 KALAMAZOO, MI. 49007  
 269.327.3532  
 www.gowightman.com

PHILIP A. DOORLAG  
 6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
 MICHIKAL  
 IMPROVEMENTS**

**CITY OF  
 KALAMAZOO**  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



**LEGEND**

	INSTALL CONC BASE CSE, NONREINF. 6 INCH AND 220#/SYD HMA, 5EML (HAND PATCHING).
	INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, 5EML (TOP).
	INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
	INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
	RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP)
	INSTALL SIDEWALK, CONC, 4 INCH; SIDEWALK, CONC, 6 INCH; CURB RAMP, CONC, 6 INCH AND DRIVEWAY, NONREINF CONC, 6 INCH AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
	INSTALL DETECTABLE WARNING SURFACE AT PROPOSED SIDEWALK RAMPS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

**REVISIONS**

06/22/2024	PAD	RE-ISSUED FOR BIDDING
05/12/01/2023	PAD	ISSUED FOR BIDDING
04/10/25/2023	PAD	90% SUBMITTAL
01/08/30/2023	PAD	70% SUBMITTAL

DATE: FEBRUARY, 2024  
 SCALE: 1" = 10'

**INTERSECTION PLAN -  
 MICHIKAL AND ELM  
 PLACE INTERSECTION**  
 -  
 BASE BID

JOB No. 224022  
**C016**  
 OF 39



**QUANTITIES THIS SHEET**

ITEM	QTY.
Subbase, CIP	90 Cyd
Aggregate Base, 8 Inch, Modified	230 Syd
Dr Structure Cover, Type K	2 Ea
Dr Structure, 24 inch dia	2 Ea
HMA, 4EML	30 Ton
HMA, 5EML	25 Ton
Curb and Gutter, Conc, Det C4	190 Ft
Detectable Warning Surface	15 Ft
Curb Ramp Opening, Conc	20 Ft
Sidewalk, Conc, 4 inch	1,020 Sft
Curb Ramp, Conc, 6 inch	80 Sft
Slope Restoration, Non-Freeway, Type B	400 Syd

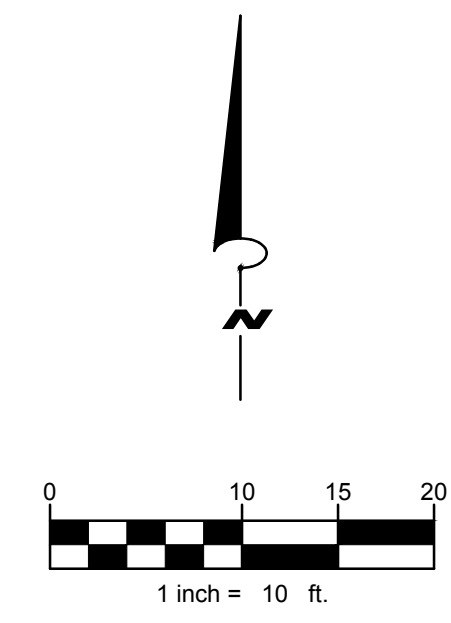
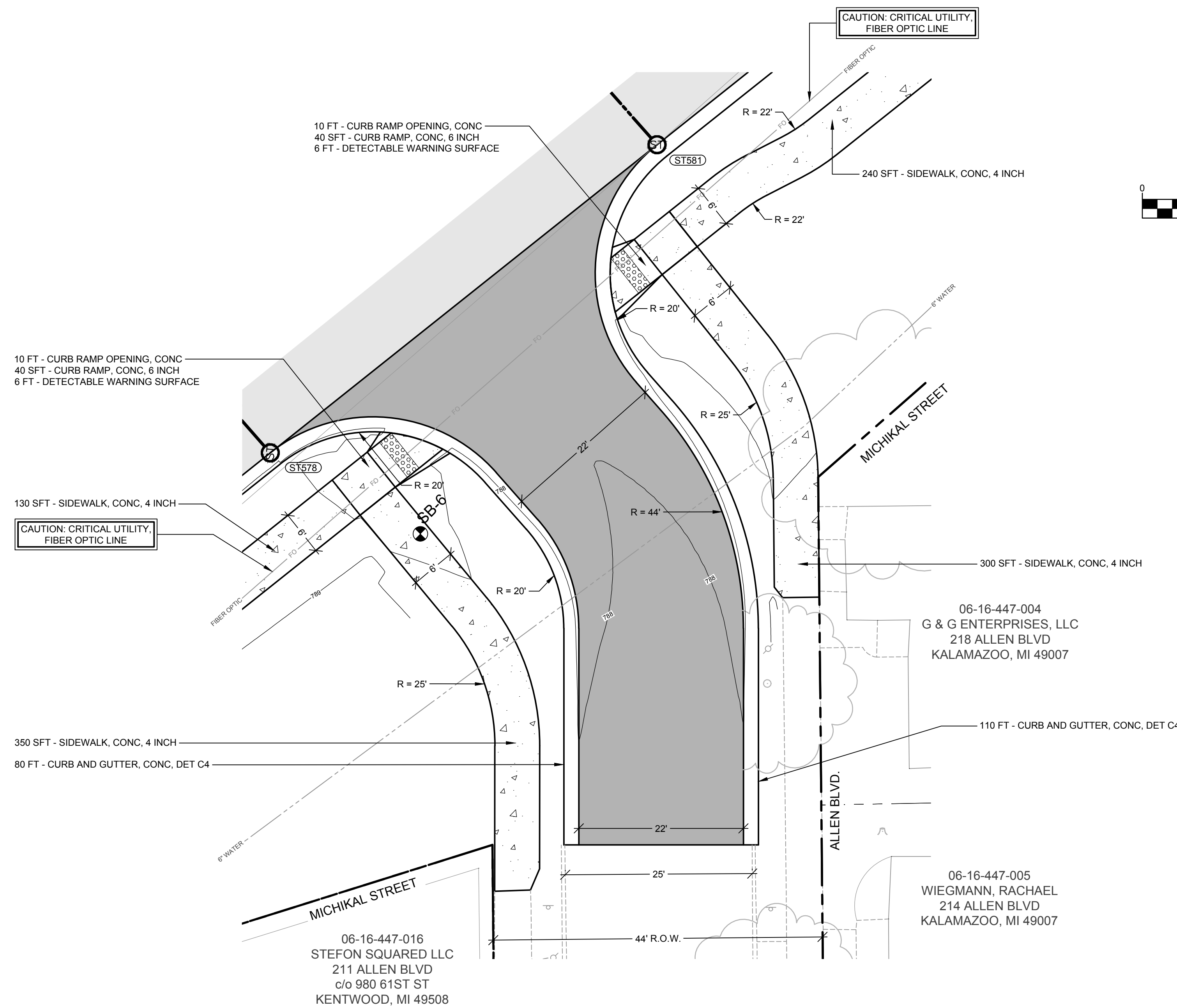


**WIGHTMAN**  
 433 E. RANSOM ST.  
 KALAMAZOO, MI. 49007  
 269.327.3532  
[www.gowightman.com](http://www.gowightman.com)




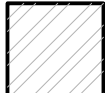
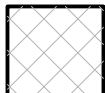

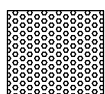
PHILIP A. DOORLAG  
 6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
 MICHIKAL  
 IMPROVEMENTS**

**CITY OF  
 KALAMAZOO**  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



**LEGEND**

-  INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#SYD HMA, 5EML (HAND PATCHING).
-  INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#SYD HMA, 3EML (BASE); 220#SYD HMA, 4EML (LEVELING) AND 165#SYD HMA, 5EML (TOP).
-  INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#SYD HMA, APPROACH (LEVELING) AND 165#SYD HMA, APPROACH (TOP).
-  INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#SYD HMA, 3EML (LEVELING) AND 220#SYD HMA, 4EML (TOP).
-  RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #SYD HMA, APPROACH (LEVELING), AND 165#SYD HMA, APPROACH (TOP).
-  INSTALL SIDEWALK, CONC, 4 INCH; SIDEWALK, CONC, 6 INCH; CURB RAMP, CONC, 6 INCH AND DRIVEWAY, NONREINF CONC, 6 INCH AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
-  INSTALL DETECTABLE WARNING SURFACE AT PROPOSED SIDEWALK RAMPS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DATE	DESCRIPTION	BY
05/12/2023	ISSUED FOR BIDDING	PAD
04/10/2023	90% SUBMITTAL	PAD
03/07/2023	RE-ISSUED FOR EGLE PART 399 PERMIT	PAD
02/07/2023	ISSUED FOR EGLE PART 399 PERMIT	PAD
01/08/2023	70% SUBMITTAL	PAD

**REVISIONS**  
DATE: FEBRUARY, 2024  
 SCALE: 1" = 10'

**INTERSECTION PLAN -  
 MICHIKAL AND ALLEN  
 BLVD INTERSECTION -  
 BASE BID**

JOB No. 224022  
**C017**  
 OF 39

QUANTITIES THIS SHEET

ITEM	QTY.
Subbase, CIP	140 Cyd
Aggregate Base, 8 Inch, Modified	330 Syd
Dr Structure Cover, Adj, Case 1, Modified	1 Ea
Dr Structure Cover, Type Q, Modified	1 Ea
HMA, 4EML	40 Ton
HMA, 5EML	30 Ton
Driveway, Nonreinf Conc, 6 inch	10 Syd
Curb and Gutter, Conc, Det C4	250 Ft
Detectable Warning Surface	25 Ft
Curb Ramp Opening, Conc	40 Ft
Sidewalk, Conc, 4 inch	1,130 Sft
Sidewalk, Conc, 6 inch	130 Sft
Curb Ramp, Conc, 6 inch	305 Sft
Slope Restoration, Non-Freeway, Type B	500 Syd



**WIGHTMAN**

433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
269.327.3532

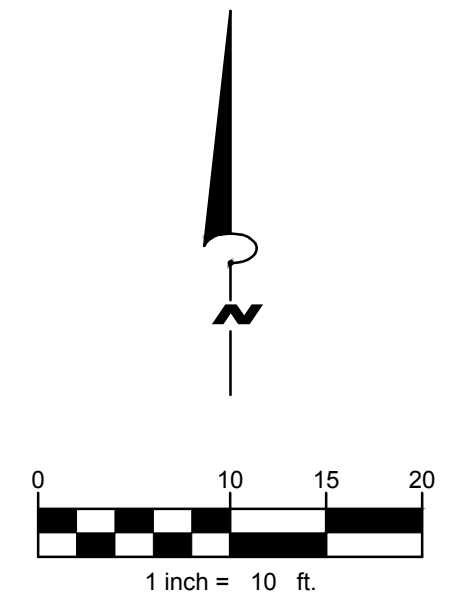
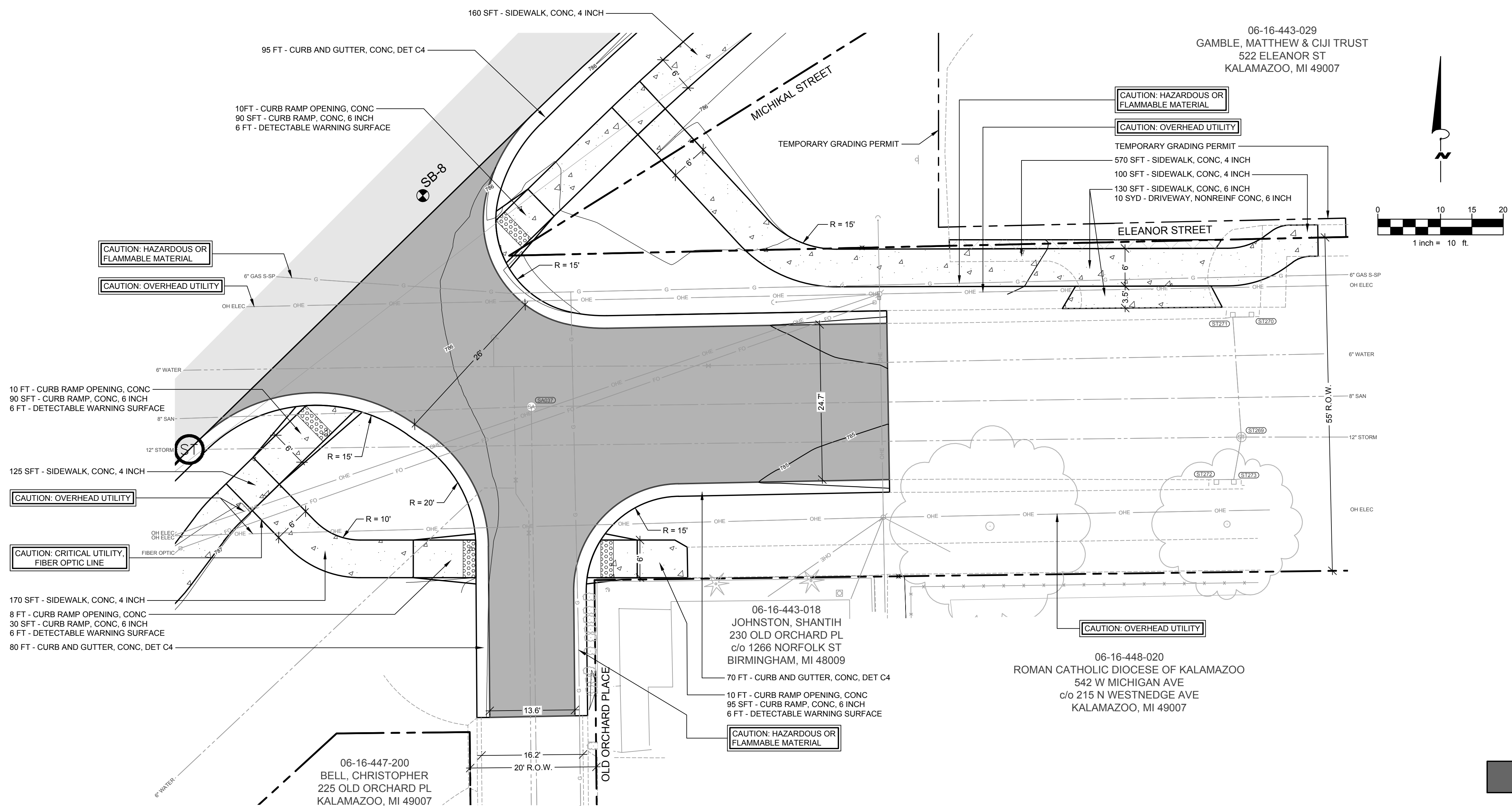
www.gowightman.com

PHILIP A. DOORLAG  
6201067363

PROJECT NAME:

**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**LEGEND**

- INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#/SYD HMA, 5EML (HAND PATCHING).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, 5EML (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
- RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SIDEWALK, CONC, 4 INCH; SIDEWALK, CONC, 6 INCH; CURB RAMP, CONC, 6 INCH AND DRIVEWAY, NONREINF CONC, 6 INCH AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- INSTALL DETECTABLE WARNING SURFACE AT PROPOSED SIDEWALK RAMPS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

06/22/2024	PAD	RE-ISSUED FOR BIDDING
05/10/2023	PAD	ISSUED FOR BIDDING
04/10/25/2023	PAD	90% SUBMITTAL
01/08/30/2023	PAD	70% SUBMITTAL

**REVISIONS**  
DATE: FEBRUARY, 2024  
SCALE: 1" = 10'

**INTERSECTION PLAN -  
MICHIKAL AND  
ELEANOR STREET  
INTERSECTION -  
BASE BID**

JOB No. 224022  
**C018**  
OF 39

QUANTITIES THIS SHEET

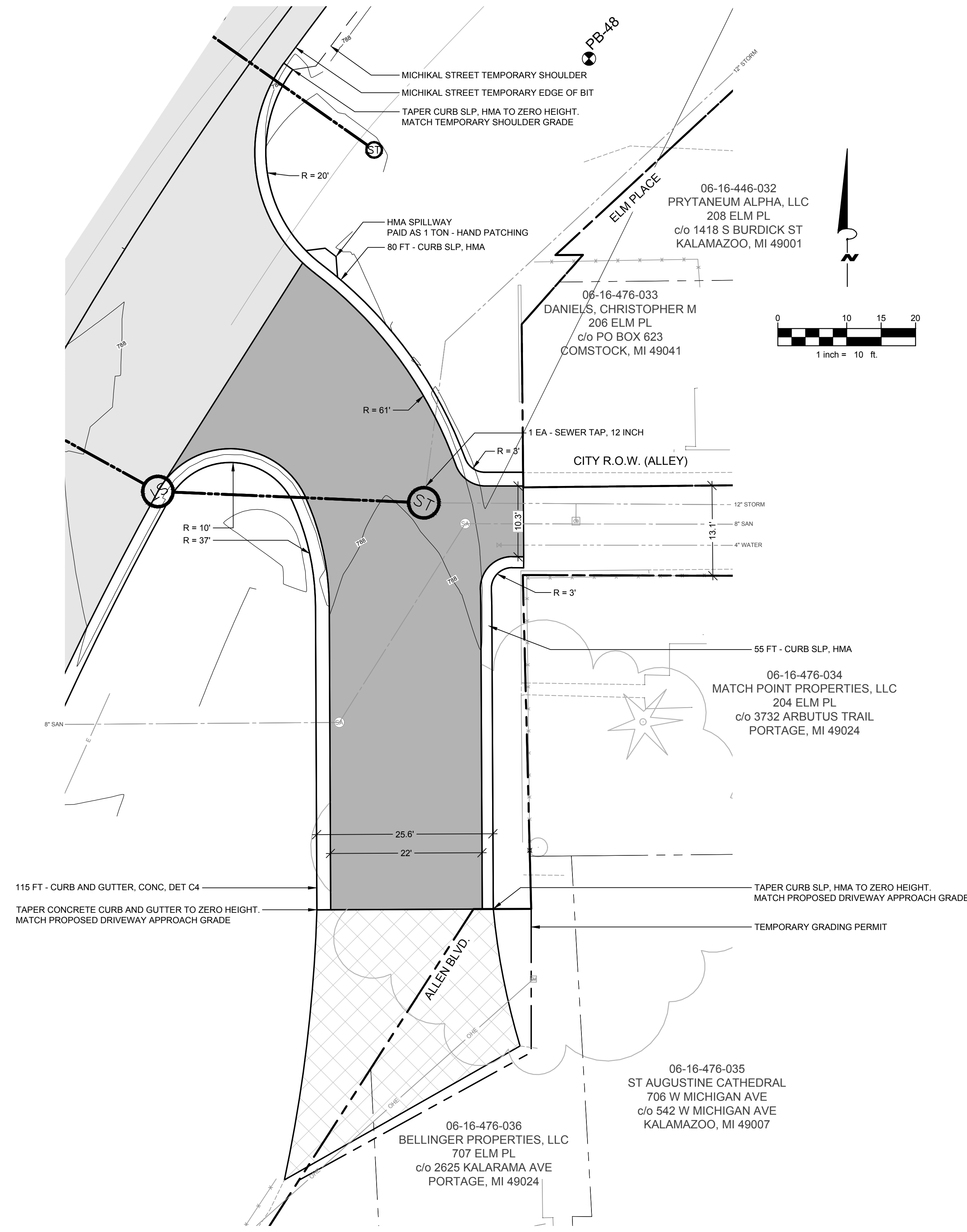
ITEM	QTY.
Subbase, CIP	100 Cyd
Aggregate Base, 8 Inch, Modified	340 Syd
Sewer, CI E, 12 inch, Tr Det B	40 Ft
Sewer Tap, 12 inch	1 Ea
Dr Structure Cover, Adj, Case 1, Modified	2 Ea
Dr Structure Cover, Type G	1 Ea
Dr Structure Cover, Type K	1 Ea
Dr Structure, 24 inch dia	1 Ea
Dr Structure, 48 inch dia	2 Ea
Dr Structure Cover, Type B, Modified	1 Ea
Dr Structure Cover, Type Q, Modified	2 Ea
Hand Patching	1 Ton
HMA Approach	20 Ton
HMA, 4EML	30 Ton
HMA, 5EML	25 Ton
Curb and Gutter, Conc, Det C4	115 Ft
Curb Slp, HMA	135 Ft
Slope Restoration, Non-Freeway, Type B	700 Syd

**W+**  
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PHILIP A. DOORLAG  
6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**LEGEND**

	INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#/SYD HMA, 5EML (HAND PATCHING).
	INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, 5EML (TOP).
	INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
	INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
	RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP).

05 12/01/2023 PAD  
ISSUED FOR BIDDING

04 10/25/2023 PAD  
90% SUBMITTAL

01 08/30/2023 PAD  
70% SUBMITTAL

**REVISIONS**

DATE: FEBRUARY, 2024  
SCALE: 1" = 10'

**INTERSECTION PLAN -  
MICHIKAL AND ELM  
PLACE INTERSECTION**

ALTERNATE A

QUANTITIES THIS SHEET

ITEM	QTY.
Subbase, CIP	110 Cyd
Aggregate Base, 8 Inch, Modified	330 Syd
HMA, 4EML	40 Ton
HMA, 5EML	30 Ton
Curb Slp, HMA	235 Ft
Slope Restoration, Non-Freeway, Type B	850 Syd



**WIGHTMAN**

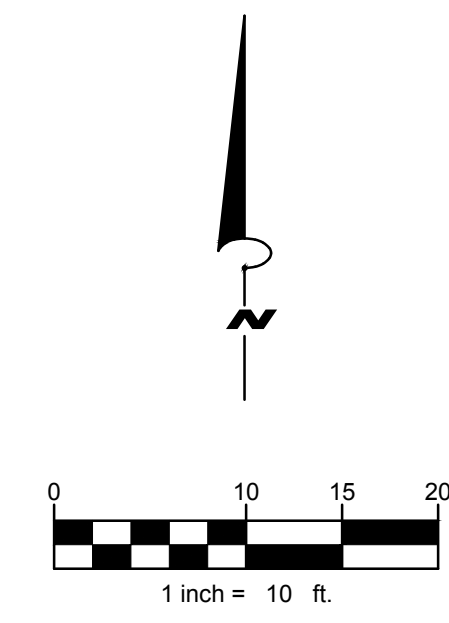
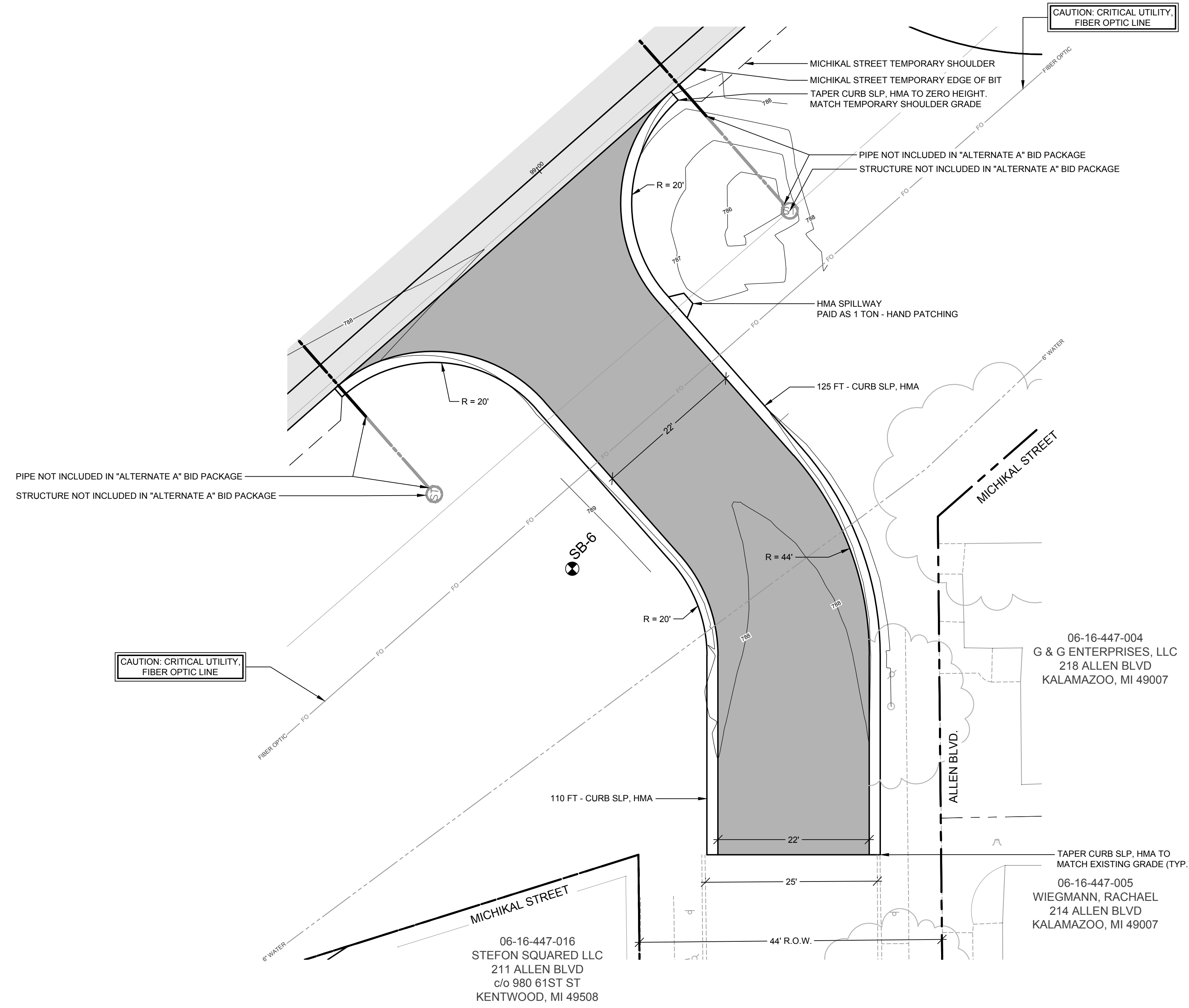
433 E. RANSOM ST.  
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PHILIP A. DOORLAG  
6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



- LEGEND**
- INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#/SYD HMA, 5EML (HAND PATCHING).
  - INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, 5EML (TOP).
  - INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
  - INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
  - RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165#/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP).

05 12/01/2023 PAD  
ISSUED FOR BIDDING

04 10/25/2023 PAD  
90% SUBMITTAL

01 08/30/2023 PAD  
70% SUBMITTAL

**REVISIONS**

DATE: FEBRUARY, 2024  
SCALE: 1" = 10'

**INTERSECTION PLAN -  
MICHIKAL AND ALLEN  
BLVD INTERSECTION -  
ALTERNATE A**

JOB No. 224022  
**C020**  
OF 39

QUANTITIES THIS SHEET

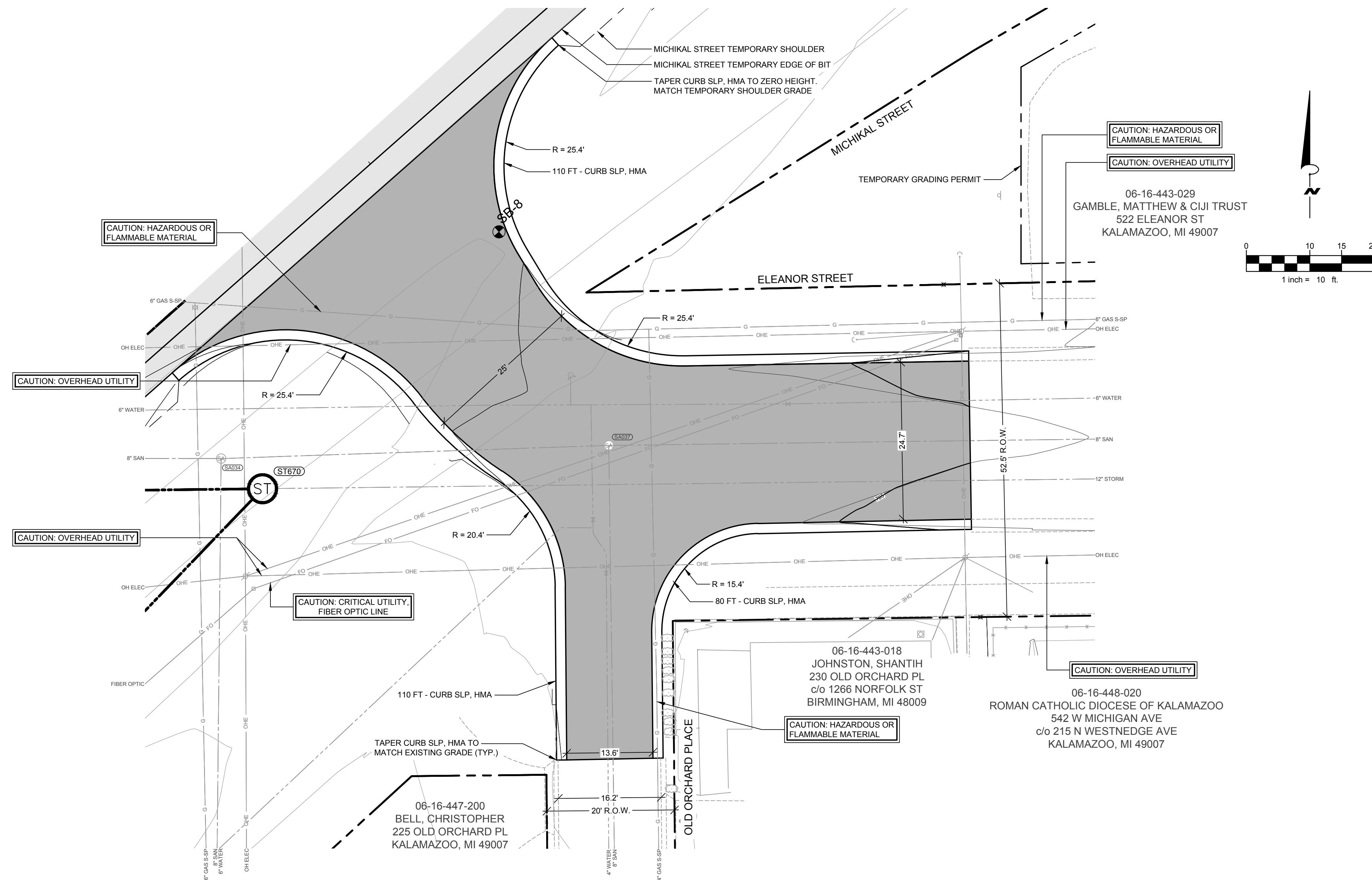
ITEM	QTY.
Subbase, CIP	160 Syd
Aggregate Base, 8 Inch, Modified	470 Syd
Dr Structure Cover, Adj, Case 1, Modified	1 Ea
Dr Structure Cover, Type Q, Modified	1 Ea
HMA, 4EML	60 Ton
HMA, 5EML	45 Ton
Curb Slp, HMA	300 Ft
Slope Restoration, Non-Freeway, Type B	750 Syd

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PHILIP A. DOORLAG  
6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**LEGEND**

- INSTALL CONC BASE CSE, NONREINF, 6 INCH AND 220#/SYD HMA, 5EML (HAND PATCHING).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (BASE); 220#/SYD HMA, 4EML (LEVELING) AND 165#/SYD HMA, 5EML (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 220#/SYD HMA, APPROACH (LEVELING) AND 165#/SYD HMA, APPROACH (TOP).
- INSTALL SUBBASE, CIP (12" MIN.); AGGREGATE BASE, 8 INCH, MODIFIED; 330#/SYD HMA, 3EML (LEVELING) AND 220#/SYD HMA, 4EML (TOP).
- RESURFACE DRIVEWAYS WITH AGGREGATE BASE, 8 INCH, 165 #/SYD HMA, APPROACH (LEVELING), AND 165#/SYD HMA, APPROACH (TOP).

05 12/01/2023 PAD  
ISSUED FOR BIDDING

04 10/25/2023 PAD  
90% SUBMITTAL

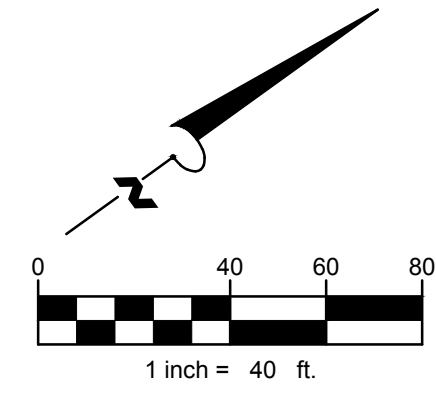
01 06/30/2023 PAD  
70% SUBMITTAL

**REVISIONS**

DATE: FEBRUARY, 2024  
SCALE: 1" = 10'

**INTERSECTION PLAN -  
MICHIKAL AND  
ELEANOR STREET  
INTERSECTION -  
ALTERNATE A**

JOB No. 224022  
**C021**  
OF 39



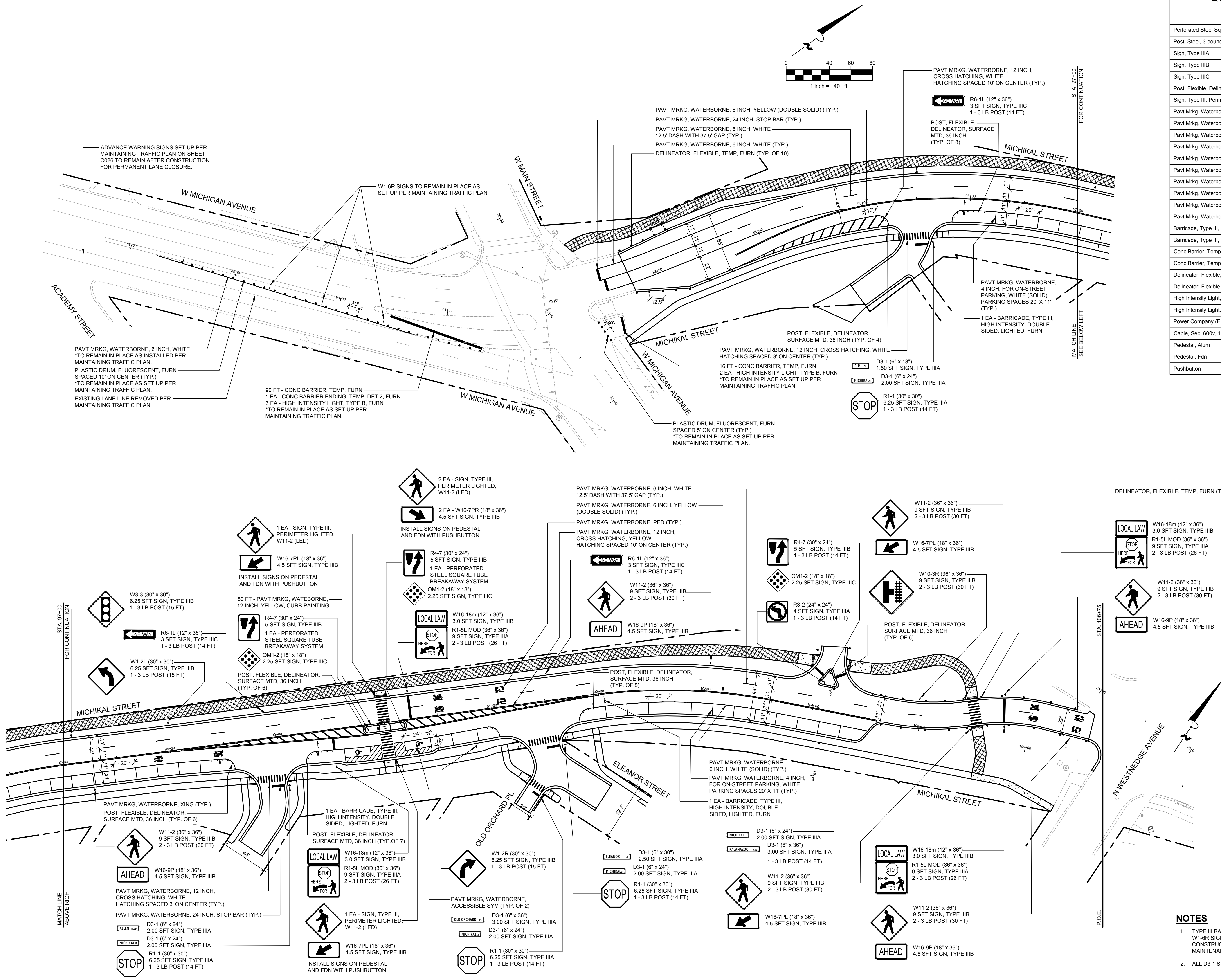
QUANTITIES THIS SHEET	
ITEM	QTY.
Perforated Steel Square Tube Breakaway System	2 Ea
Post, Steel, 3 pound	500 Ft
Sign, Type IIIA	90 Sft
Sign, Type IIIB	150 Sft
Sign, Type IIIC	20 Sft
Post, Flexible, Delineator, Surface Mtd, 36 Inch	40 Ea
Sign, Type III, Perimeter Lighted, W11-2 (LED)	4 Ea
Pavt Mrkg, Waterborne, 6 inch, White	1,800 Ft
Pavt Mrkg, Waterborne, 6 inch, Yellow	2,900 Ft
Pavt Mrkg, Waterborne, For On-Street Parking, 4 inch, White	640 Ft
Pavt Mrkg, Waterborne, 24 inch, Stop Bar	85 Ft
Pavt Mrkg, Waterborne, 12 inch, Cross Hatching, White	470 Ft
Pavt Mrkg, Waterborne, 12 inch, Cross Hatching, Yellow	230 Ft
Pavt Mrkg, Waterborne, 12 inch, Yellow, Curb Painting	70 Ft
Pavt Mrkg, Waterborne, Accessible Sym	2 Ea
Pavt Mrkg, Waterborne, Xing	5 Ea
Pavt Mrkg, Waterborne, Ped	5 Ea
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	3 Ea
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	3 Ea
Conc Barrier, Temp, Furn	20 Ft
Conc Barrier, Temp, Oper	20 Ft
Delineator, Flexible, Temp, Furn	30 Ea
Delineator, Flexible, Temp, Oper	30 Ea
High Intensity Light, Type B, Furn	2 Ea
High Intensity Light, Type B, Oper	2 Ea
Power Company (Estimated Cost to Contractor)	1,000 Dir
Cable, Sec, 600v, 1, 3/C#6	200 Ft
Pedestal, Alum	3 Ea
Pedestal, Fdn	3 Ea
Pushbutton	3 Ea

**W+**  
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 433 E. RANSOM ST.  
 KALAMAZOO, MI. 49007  
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 www.gowightman.com

PHILIP A. DOORLAG  
 6201067363  
 PROJECT NAME:

**STREETS FOR ALL:  
 MICHIKAL IMPROVEMENTS**

**CITY OF  
 KALAMAZOO**  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



- NOTES**
- TYPE III BARRICADES, CONCRETE BARRIER, PLASTIC DRUMS, AND W11-6R SIGNS SHOWN ON THIS SHEET TO REMAIN IN PLACE AFTER CONSTRUCTION. OWNER TO ASSUME RESPONSIBILITY FOR MAINTENANCE AFTER OPEN TO TRAFFIC DATE.
  - ALL D3-1 SIGNS SHALL BE WHITE TEXT ON BLUE BACKGROUND

REVISIONS

DATE	DESCRIPTION	BY
06/03/2024	PAD RE-ISSUED FOR BIDDING	PAD
05/12/2023	PAD ISSUED FOR BIDDING	PAD
04/10/25/2023	PAD 90% SUBMITTAL	PAD
01/08/30/2023	PAD 70% SUBMITTAL	PAD

DATE: MARCH, 2024  
 SCALE: 1" = 40'  
 PAVEMENT MARKINGS AND PERMANENT SIGNS - BASE BID  
 JOB No. 224022  
**C022**  
 OF 39

QUANTITIES THIS SHEET

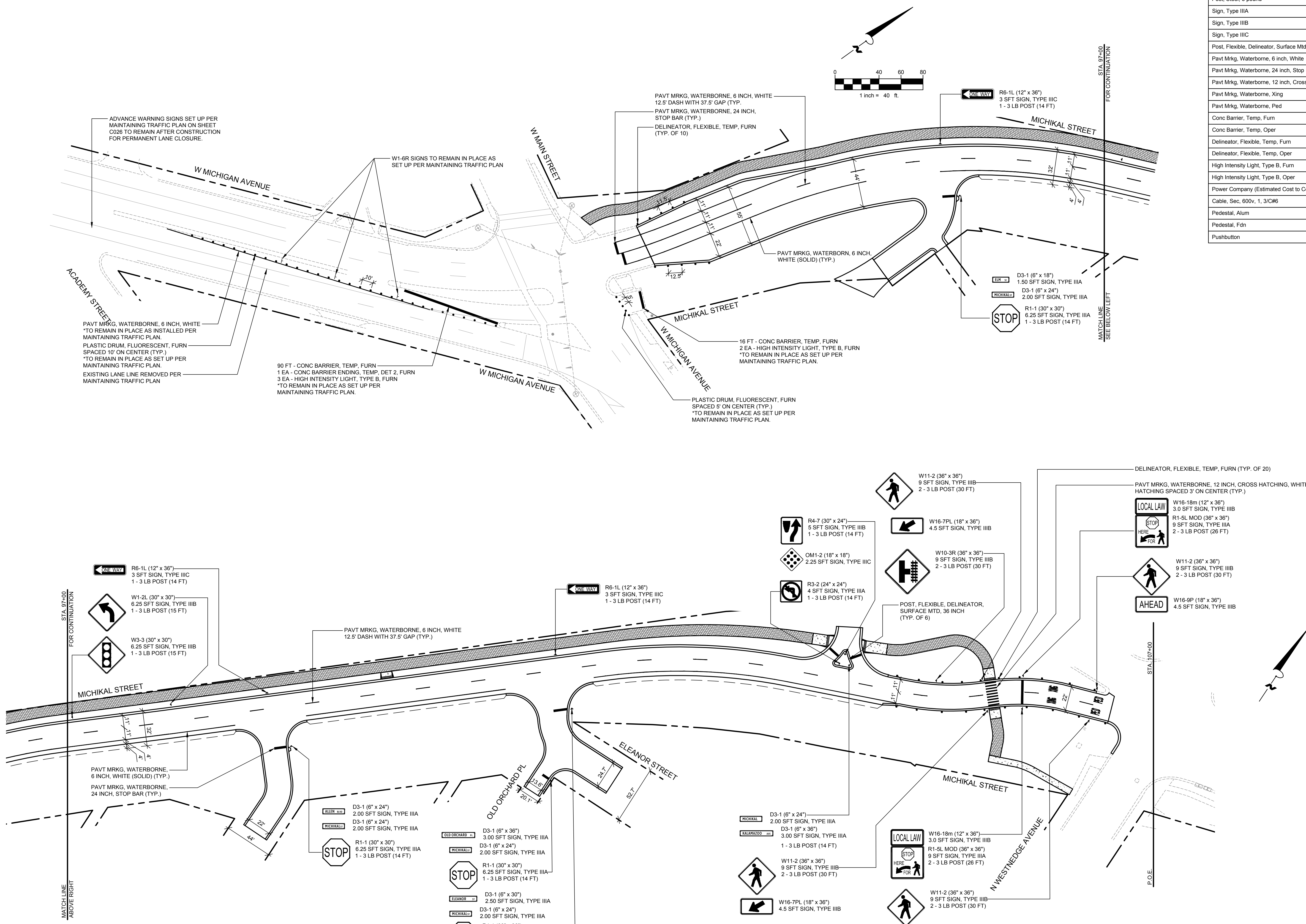
ITEM	QTY.
Post, Steel, 3 pound	375 Ft
Sign, Type IIIA	70 Sft
Sign, Type IIIB	90 Sft
Sign, Type IIIC	15 Sft
Post, Flexible, Delineator, Surface Mtd, 36 inch	6 Ea
Pavt Mrkg, Waterborne, 6 inch, White	1,650 Ft
Pavt Mrkg, Waterborne, 24 inch, Stop Bar	85 Ft
Pavt Mrkg, Waterborne, 12 inch, Cross Hatching, White	100 Ft
Pavt Mrkg, Waterborne, Xing	2 Ea
Pavt Mrkg, Waterborne, Ped	2 Ea
Conc Barrier, Temp, Furn	20 Ft
Conc Barrier, Temp, Oper	20 Ft
Delineator, Flexible, Temp, Furn	30 Ea
Delineator, Flexible, Temp, Oper	30 Ea
High Intensity Light, Type B, Furn	2 Ea
High Intensity Light, Type B, Oper	2 Ea
Power Company (Estimated Cost to Contractor)	1,000 Dir
Cable, Sec, 600v, 1, 3/C#6	200 Ft
Pedestal, Alum	3 Ea
Pedestal, Fdn	3 Ea
Pushbutton	3 Ea

**WIGHTMAN**  
433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
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PHILIP A. DOORLAG  
6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL IMPROVEMENTS**

**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**NOTES**  
1. ALL D3-1 SIGNS SHALL BE WHITE TEXT ON BLUE BACKGROUND

06 03/08/2024	PAD
RE-ISSUED FOR BIDDING	
05 12/01/2023	PAD
ISSUED FOR BIDDING	
04 10/25/2023	PAD
90% SUBMITTAL	
01 08/30/2023	PAD
70% SUBMITTAL	

**REVISIONS**  
DATE: MARCH, 2024  
SCALE: 1" = 40'

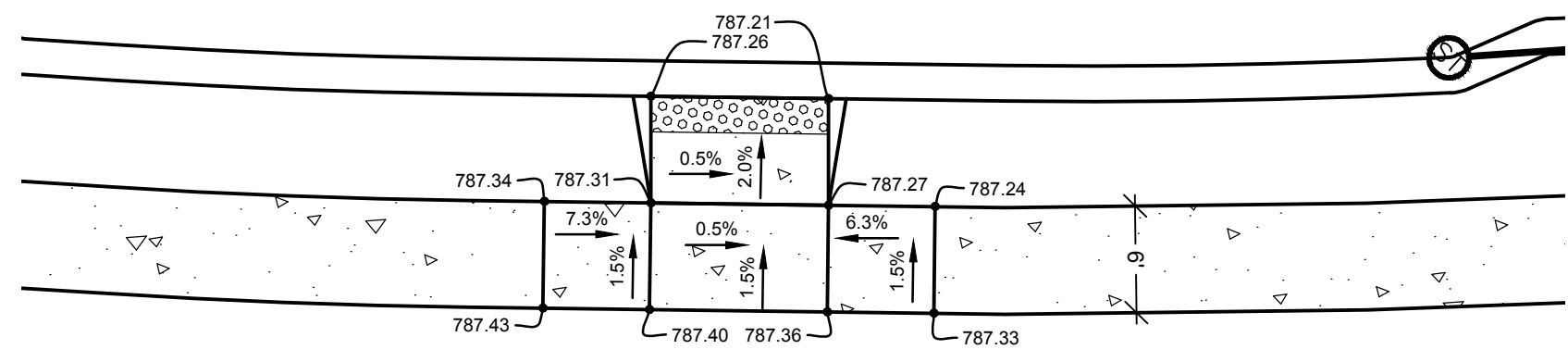
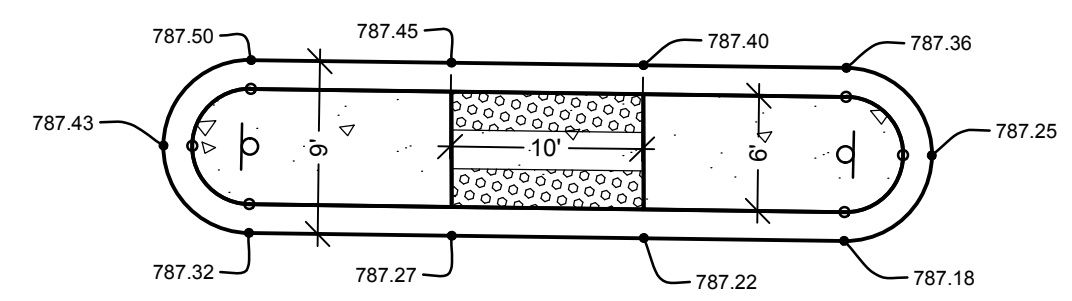
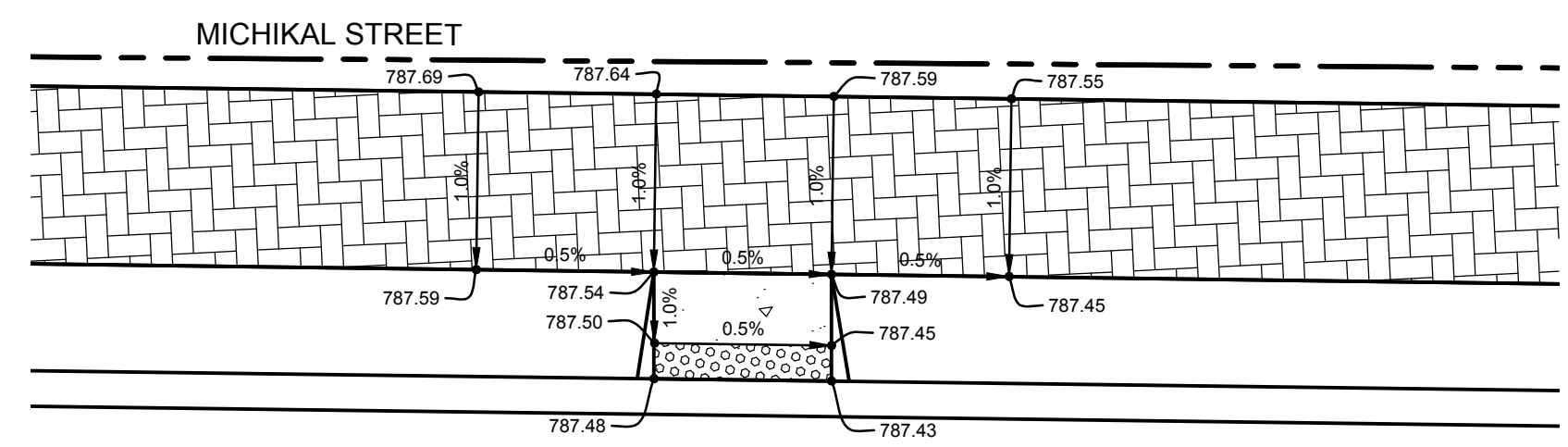
**PAVEMENT MARKINGS  
AND PERMANENT  
SIGNS -  
ALTERNATE A**

06/03/2024	PAD
RE-ISSUED FOR BIDDING	
05/12/2023	PAD
ISSUED FOR BIDDING	
04/10/25/2023	PAD
90% SUBMITTAL	
01/06/30/2023	PAD
70% SUBMITTAL	

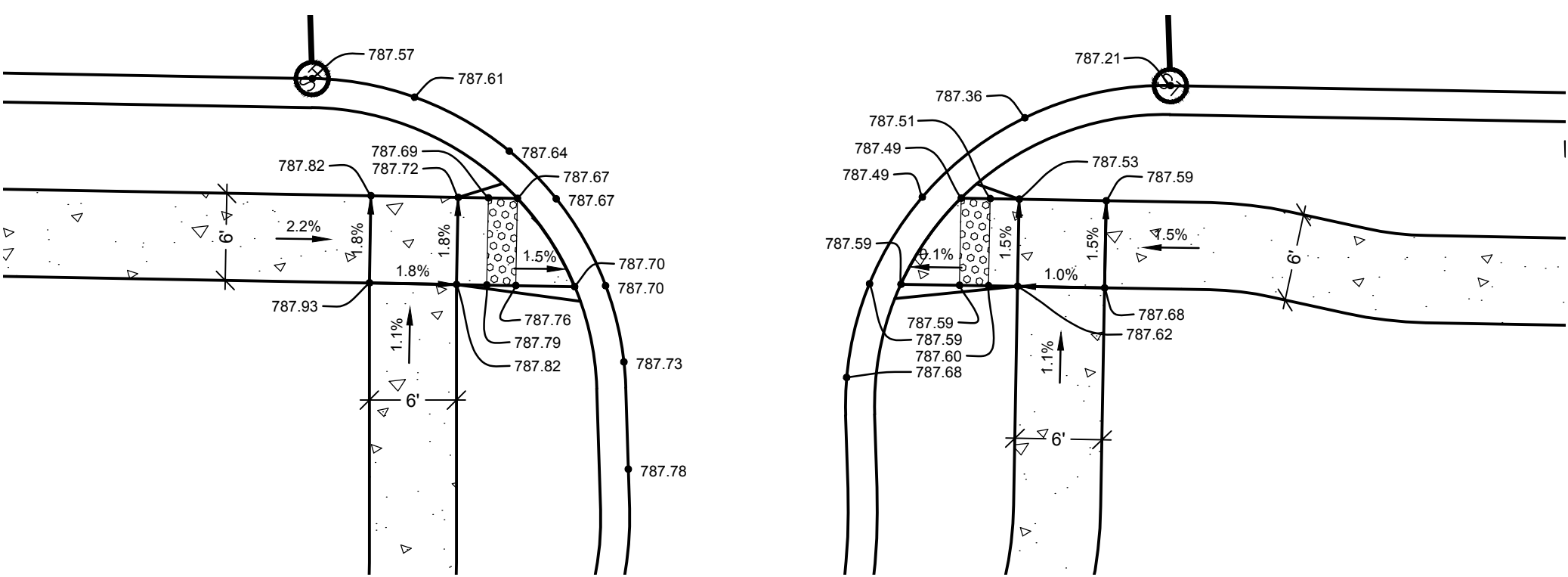
**REVISIONS**

DATE: MARCH, 2024  
 SCALE: 1" = 10'

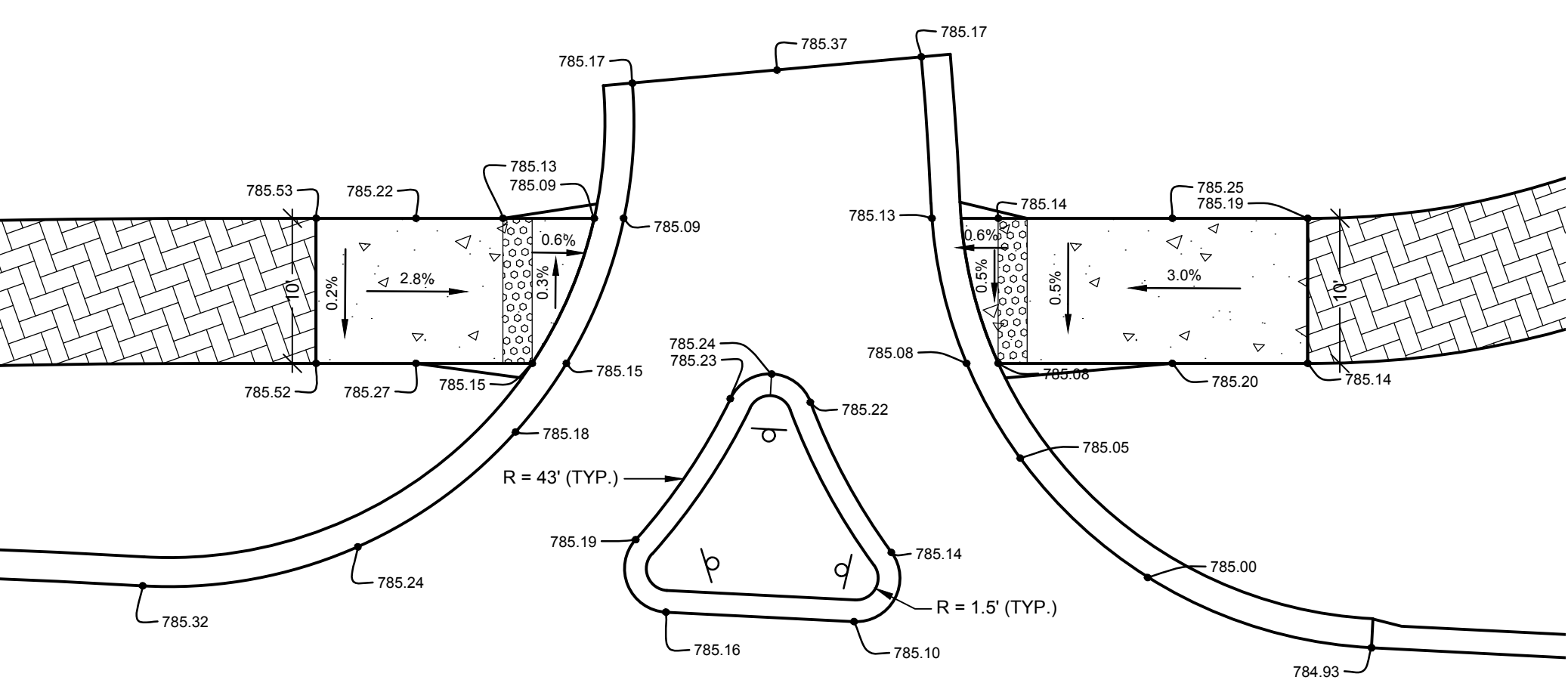
ADA RAMP AND  
 PEDESTRIAN DETAILS



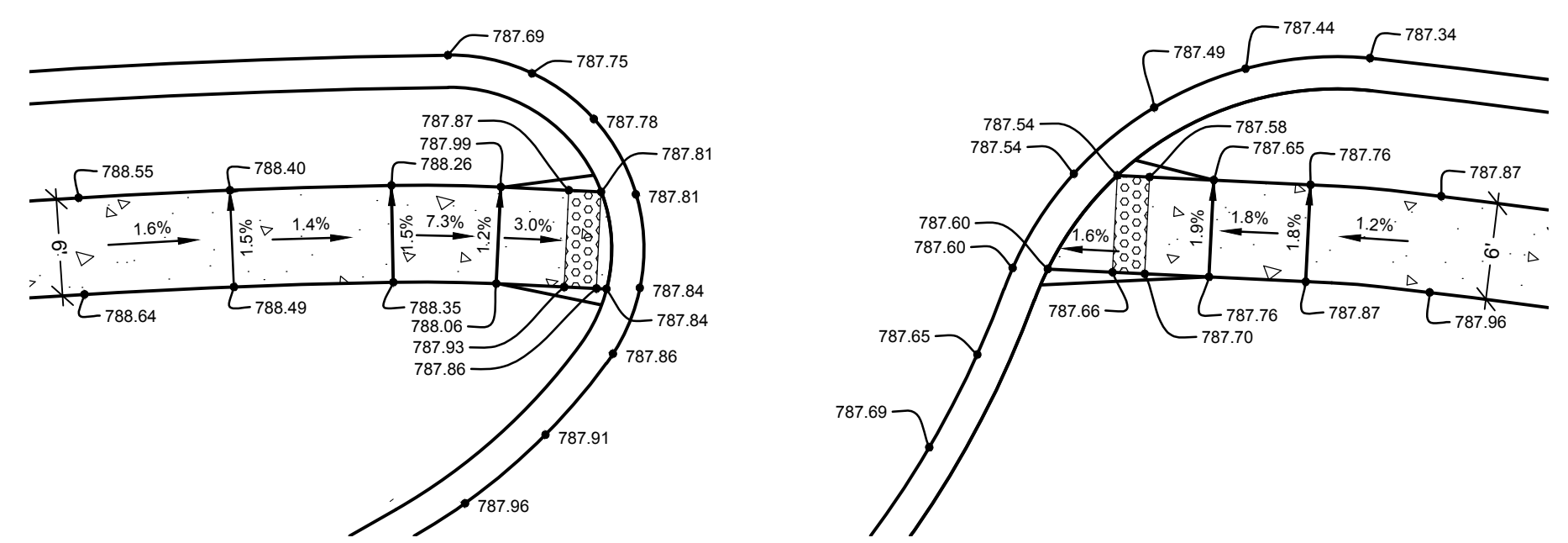
INCLUDED ONLY IN "BASE BID" PACKAGE  
 MICHIKAL STREET  
 PEDESTRIAN ISLAND  
 SCALE: 1" = 10'



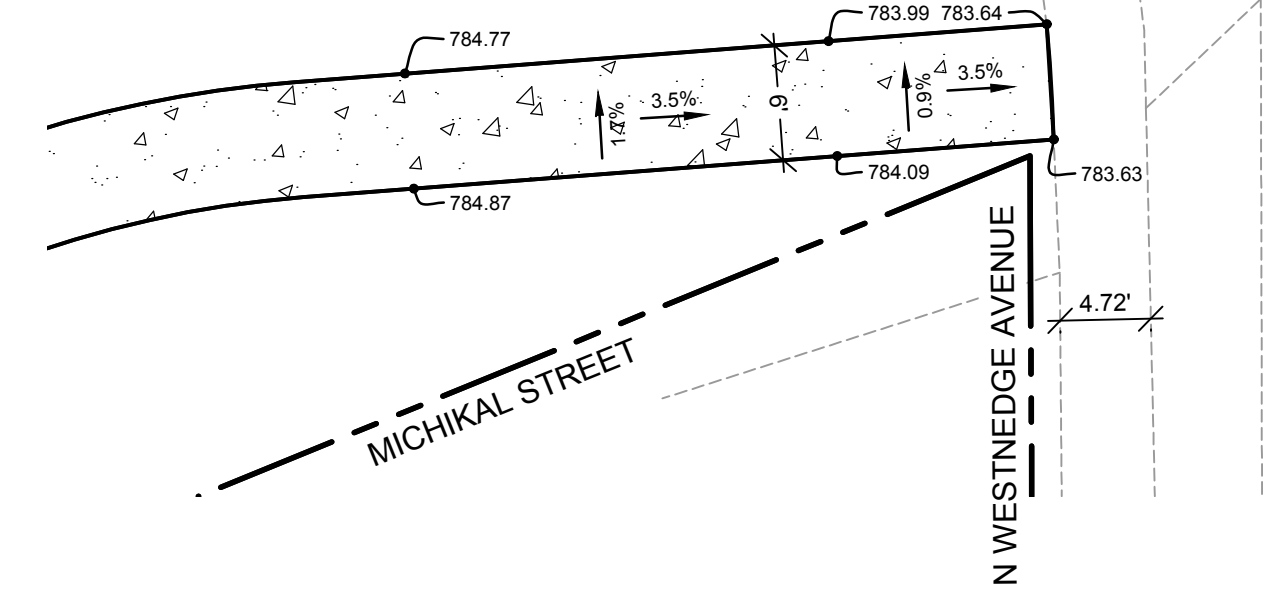
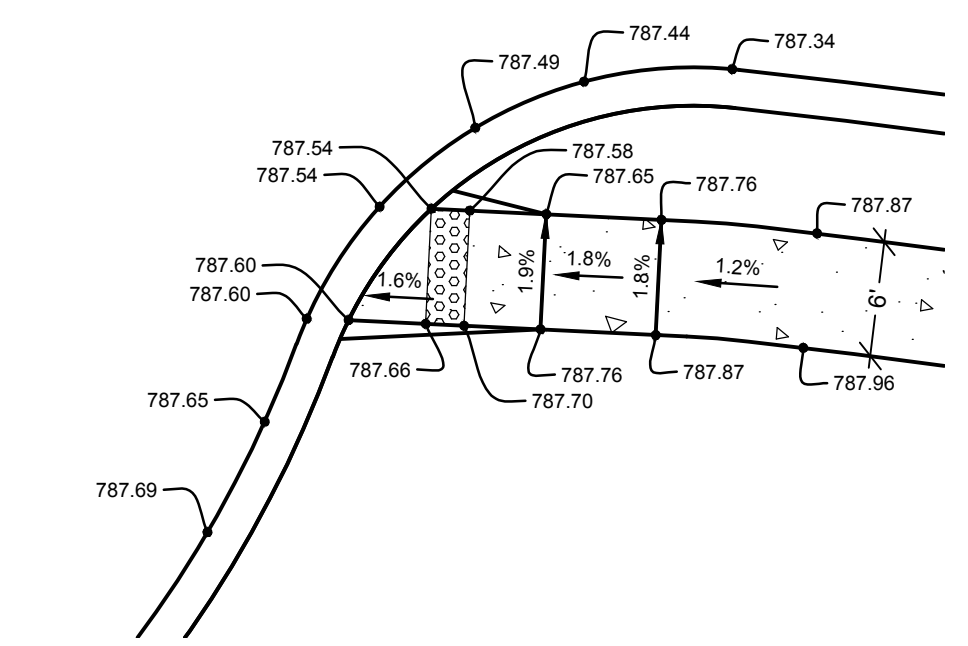
INCLUDED ONLY IN "BASE BID" PACKAGE  
 MICHIKAL STREET AND ALLEN BLVD.  
 INTERSECTION  
 SCALE: 1" = 10'



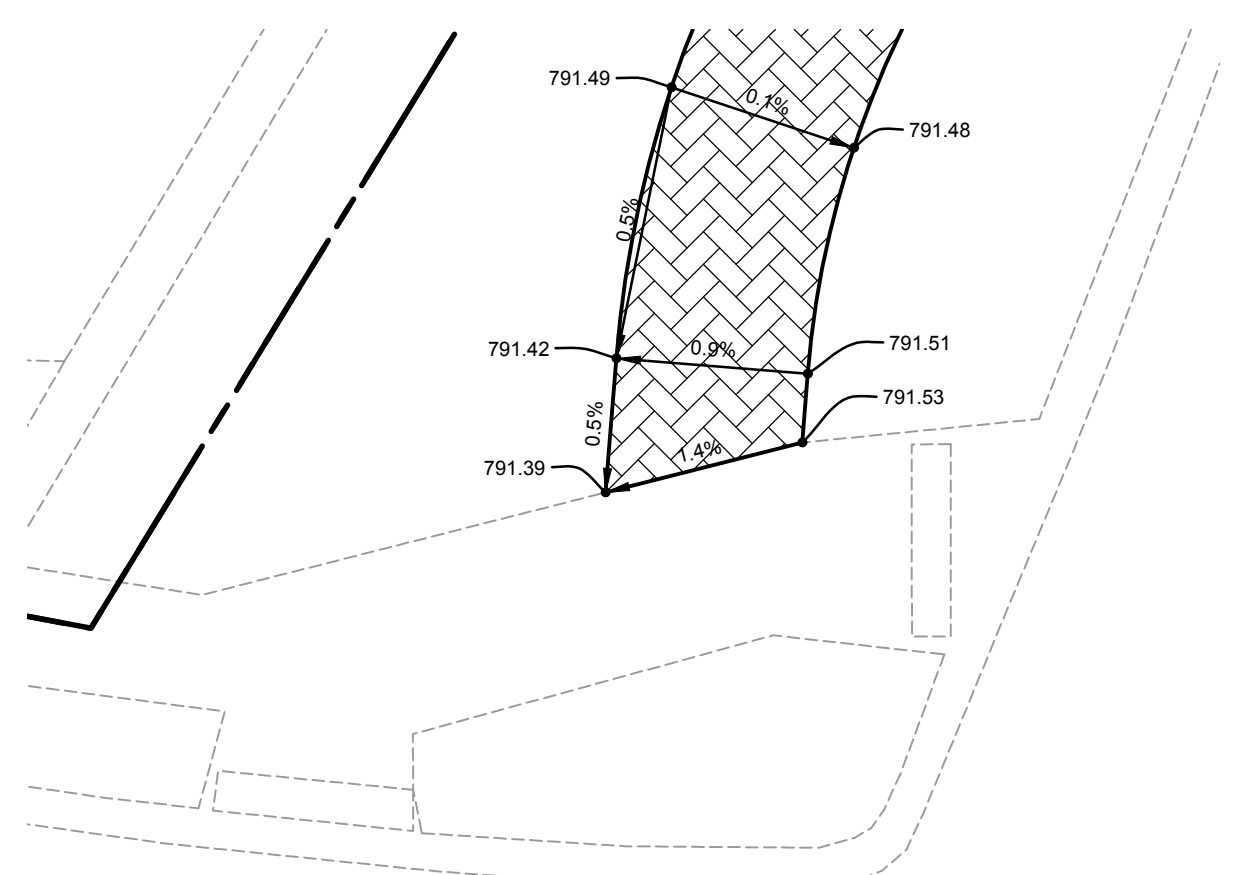
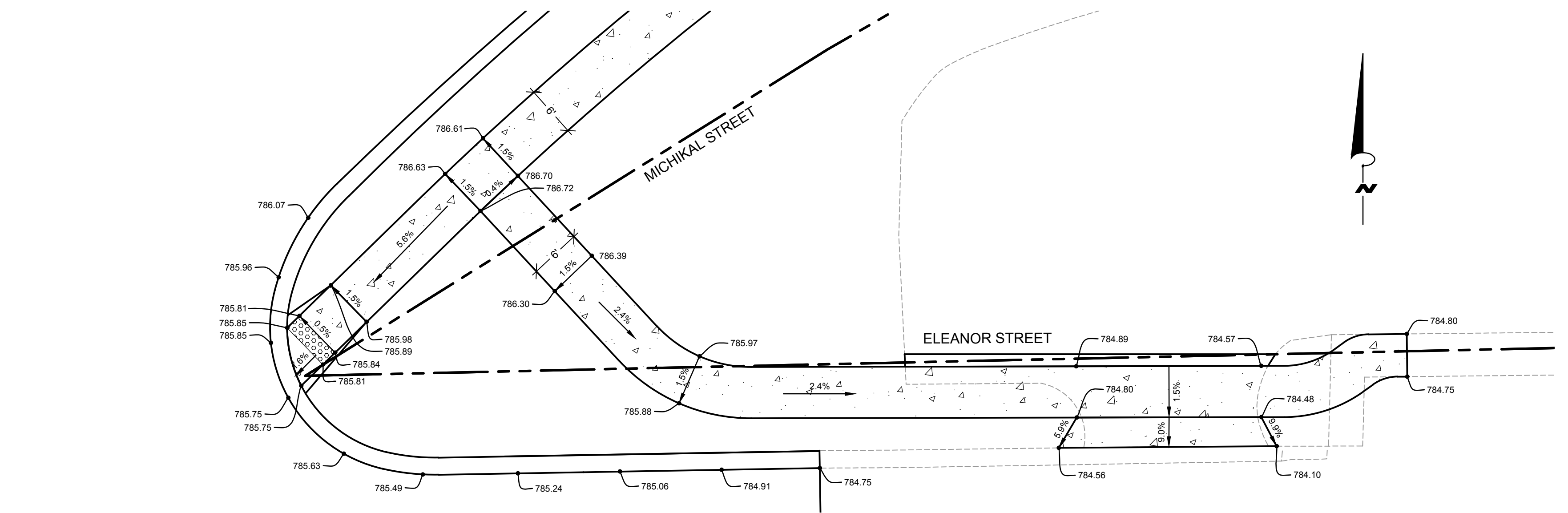
INCLUDED IN "BASE BID" AND  
 "ALTERNATE A" PACKAGE  
 MICHIKAL STREET AND W KALAMAZOO AVENUE  
 INTERSECTION  
 SCALE: 1" = 10'



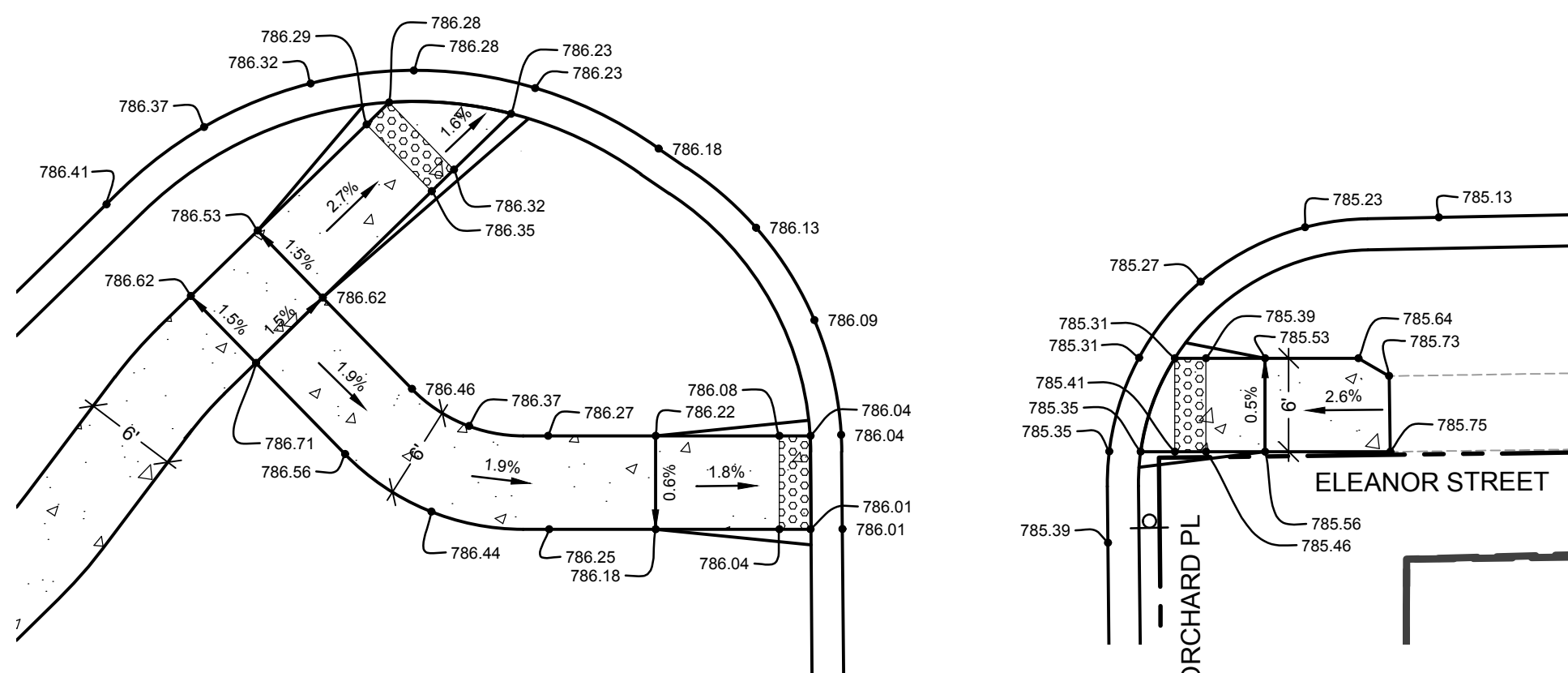
INCLUDED ONLY IN "BASE BID" PACKAGE  
 MICHIKAL STREET AND ELM PLACE  
 INTERSECTION  
 SCALE: 1" = 10'



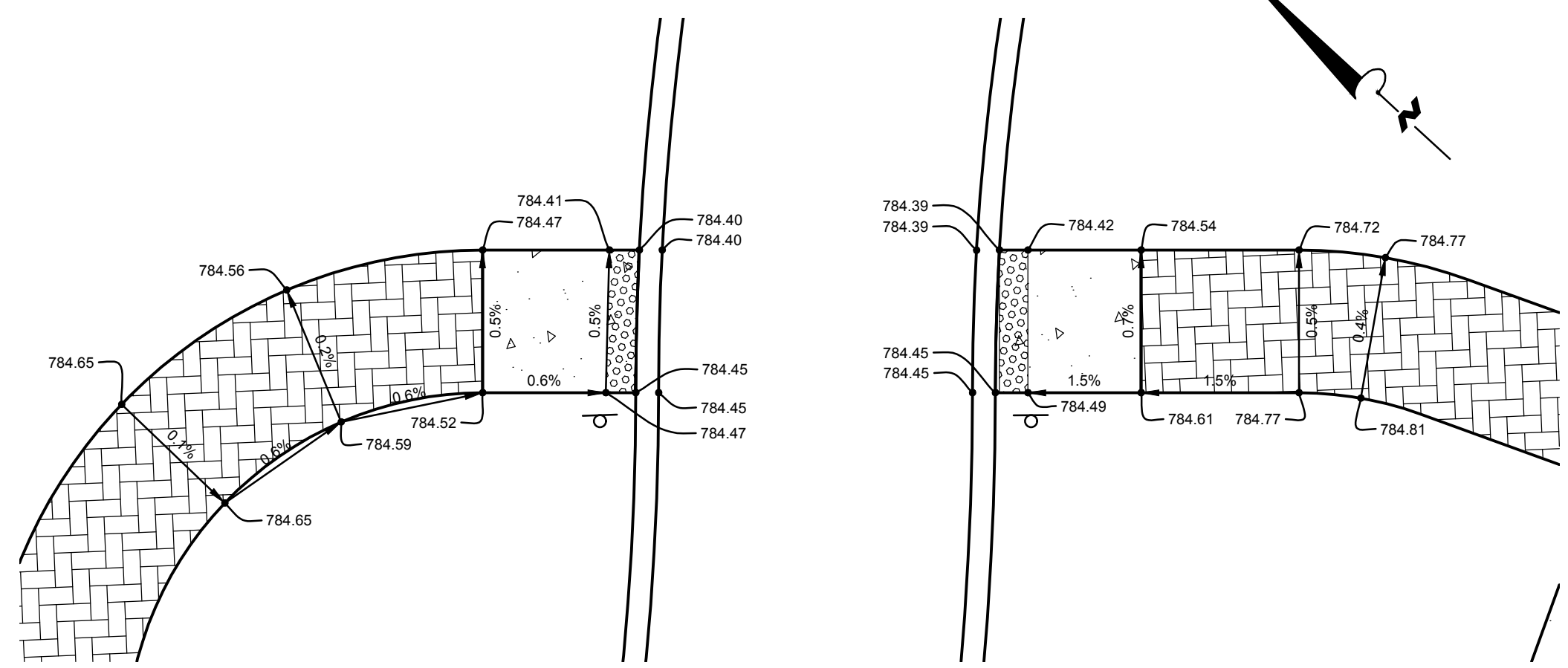
INCLUDED IN "BASE BID" PACKAGE AND "ALTERNATE A" PACKAGE  
 N WESTNEDGE AVENUE AND MICHIKAL STREET INTERSECTION  
 TEMPORARY CONNECTION TO EXISTING SIDEWALK  
 SCALE: 1" = 10'



INCLUDED IN "BASE BID" AND  
 "ALTERNATE A" PACKAGE  
 MICHIKAL / W MAIN / W MICHIGAN AVENUE  
 TEMPORARY SHARED USE PATH CONNECTION  
 SCALE: 1" = 10'



INCLUDED ONLY IN "BASE BID" PACKAGE  
 MICHIKAL STREET AND ELEANOR STREET  
 INTERSECTION  
 SCALE: 1" = 10'

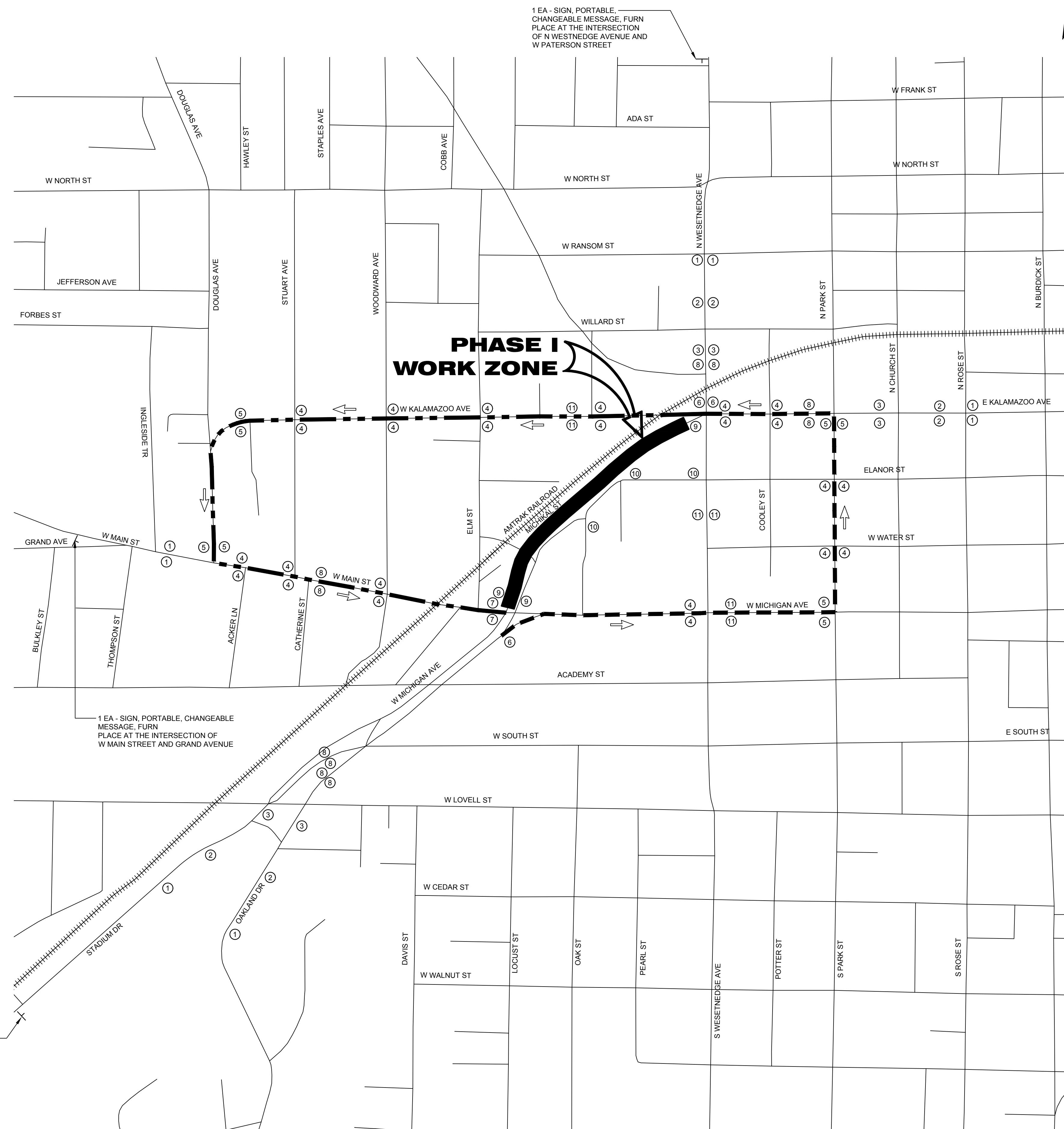


INCLUDED IN "BASE BID" AND  
 "ALTERNATE A" PACKAGE  
 MICHIKAL STREET  
 TEMPORARY SHARED USE PATH CROSSING  
 SCALE: 1" = 10'



LEGEND					
SIGN NO.	QTY.	SIGN DESIGNATION	DESCRIPTION	SIZE	AREA
①	8 EA	W20-1	ROAD WORK AHEAD	48 INCH x 48 INCH	128 SFT
②	6 EA	W20-3	ROAD CLOSED AHEAD	48 INCH x 48 INCH	96 SFT
		W16-8P	MICHIKAL ST	36 INCH x 12 INCH	
③	6 EA	W20-2	DETOUR AHEAD	48 INCH x 48 INCH	96 SFT
④	24 EA	M4-9	DETOUR	30 INCH x 24 INCH	120 SFT
		W16-8P	MICHIKAL ST	36 INCH x 12 INCH	
⑤	8 EA	M4-9	DETOUR	30 INCH x 24 INCH	40 SFT
		W16-8P	MICHIKAL ST	36 INCH x 12 INCH	
⑥	3 EA	M4-9	DETOUR	30 INCH x 24 INCH	15 SFT
		W16-8P	MICHIKAL ST	36 INCH x 12 INCH	
⑦	2 EA	W16-8P	MICHIKAL ST	36 INCH x 12 INCH	6 SFT
		M4-8a	END DETOUR	24 INCH x 18 INCH	
⑧	10 EA	R5-18c	WORK ZONE BEGINS	48 INCH x 48 INCH	160 SFT
⑨	3 EA	BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED	SEE SHEETS C038 AND C039 FOR NUMBER REQUIRED AT EACH LOCATION		3 EA
		R11-2	ROAD CLOSED	48 INCH x 30 INCH	30 SFT
⑩	3 EA	BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED	SEE SHEETS C038 AND C039 FOR NUMBER REQUIRED AT EACH LOCATION		2 EA
		R11-4	ROAD CLOSED TO THRU TRAFFIC	60 INCH x 30 INCH	37.5 SFT
⑪	6 EA	G20-2	END ROAD WORK	48 INCH x 24 INCH	48 SFT

TOTAL AREA = 906 SFT



MICHIKAL IMPROVEMENTS - PHASE I OVERVIEW  
SCALE: 1" = 300'

QUANTITIES THIS SHEET	
ITEM	QTY.
Maintenance Gravel, LM	500 Cyd
Pavt Mrkg, Waterborne, 6 inch, White	250 Ft
Rem Spec Mrkg	40 Sft
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	20 Ea
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	20 Ea
Channelizing Device, 42 inch, Fluorescent, Furn	100 Ea
Channelizing Device, 42 inch, Fluorescent, Oper	100 Ea
Conc Barrier Ending, Temp, Det 2, Furn	2 Ea
Conc Barrier Ending, Temp, Det 2, Oper	2 Ea
Conc Barrier, Temp, Furn	110 Ft
Conc Barrier, Temp, Oper	110 Ft
High Intensity Light, Type B, Furn	5 Ea
High Intensity Light, Type B, Oper	5 Ea
Lighted Arrow, Type C, Furn	2 Ea
Lighted Arrow, Type C, Oper	2 Ea
Pavt Mrkg, Longit, 6 inch or Less Width, Rem	250 Ft
Pavt Mrkg, Type NR, Paint, Lt Turn Arrow	3 Ea
Plastic Drum, Fluorescent, Furn	35 Ea
Plastic Drum, Fluorescent, Oper	35 Ea
Sign, Portable, Changeable Message, Furn	4 Ea
Sign, Portable, Changeable Message, Oper	4 Ea
Sign, Type B, Temp, Prismatic, Furn	1,000 Sft
Sign, Type B, Temp, Prismatic, Oper	1,000 Sft
Sign, Type B, Temp, Prismatic, Spec, Furn	150 Sft
Sign, Type B, Temp, Prismatic, Spec, Oper	150 Sft
TS, Span Wire Mtd, Rem	2 Ea
TS Face, Bag	2 Ea
TS Face, Bag, Rem	2 Ea

**WIGHTMAN**

433 E. RANSOM ST.  
KALAMAZOO, MI 49007  
269.327.3532

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---

PHILIP A. DOORLAG  
6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

---

**CITY OF KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001

---

06/22/2024 PAD  
RE-ISSUED FOR BIDDING

05/12/2023 PAD  
ISSUED FOR BIDDING

04/10/25/2023 PAD  
90% SUBMITTAL

01/08/30/2023 PAD  
70% SUBMITTAL

**REVISIONS**

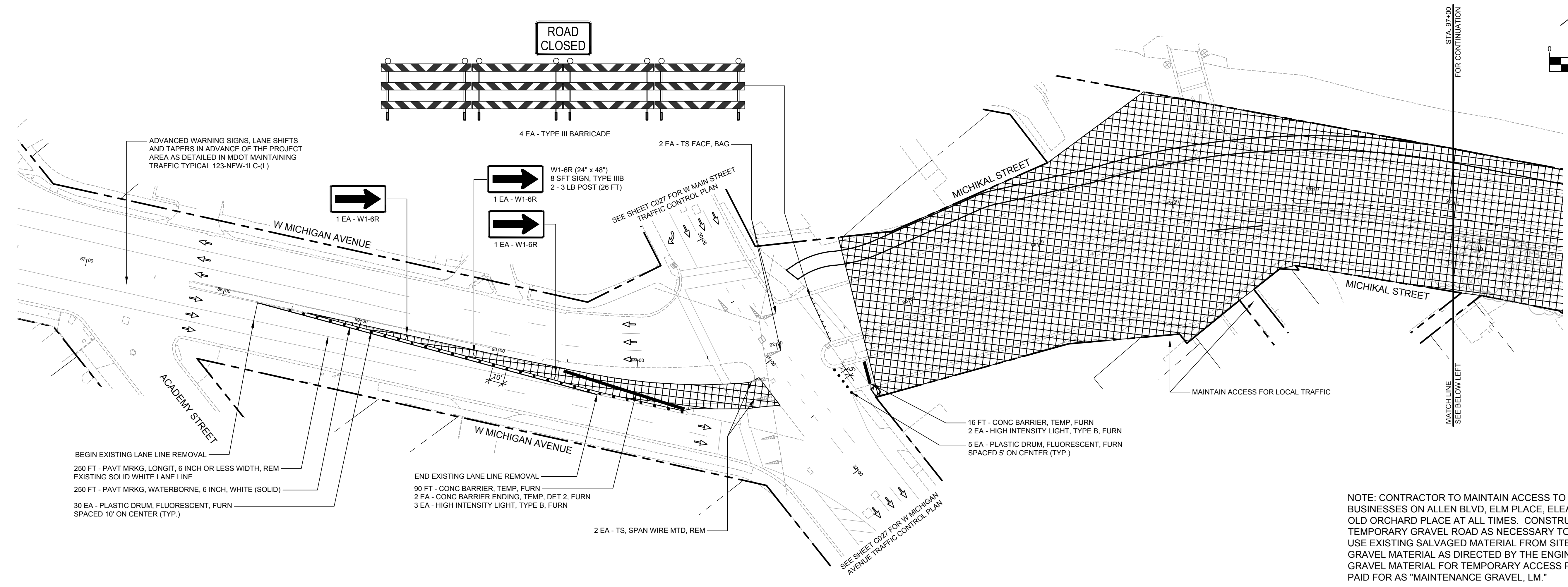
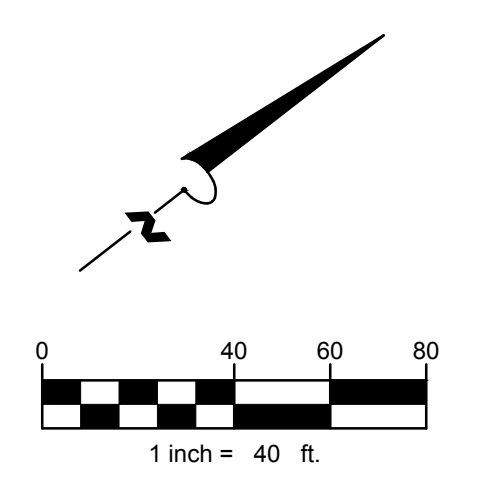
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SCALE: 1" = 300'

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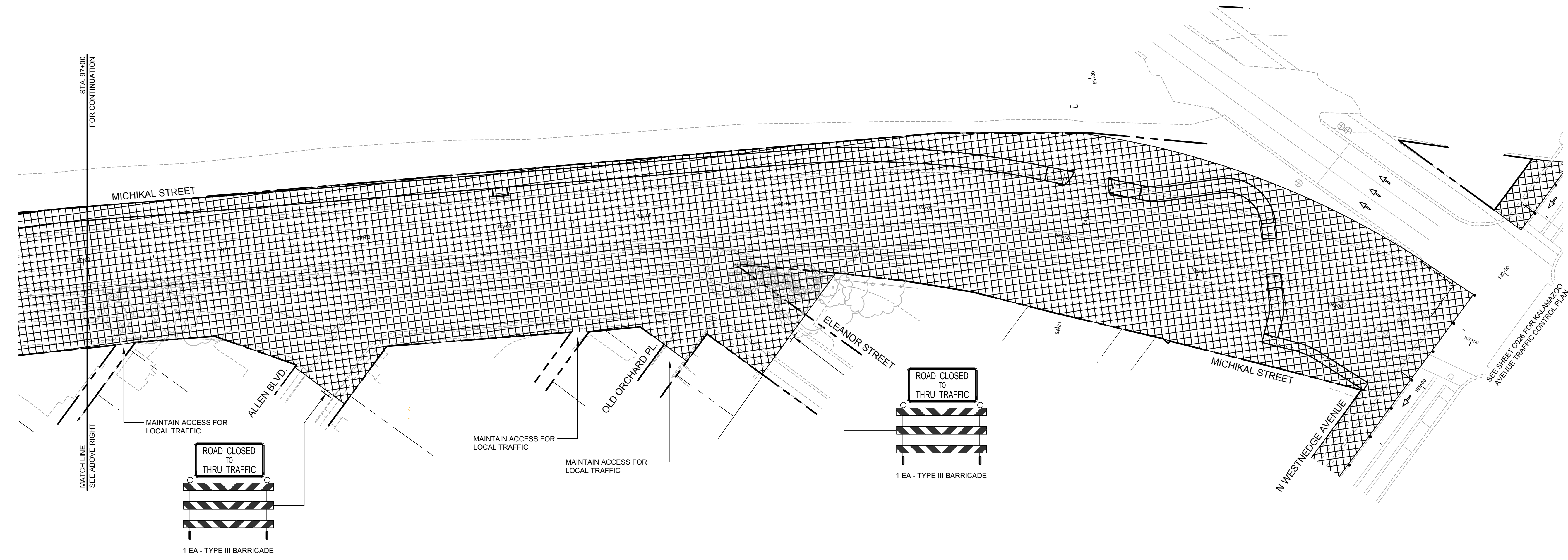
MAINTAINING TRAFFIC  
-  
OVERVIEW AND DETOUR  
ROUTE

---

JOB No. 224022  
**C025**  
OF 39



NOTE: CONTRACTOR TO MAINTAIN ACCESS TO HOMES AND BUSINESSES ON ALLEN BLVD, ELM PLACE, ELEANOR STREET AND OLD ORCHARD PLACE AT ALL TIMES. CONSTRUCT AND MAINTAIN TEMPORARY GRAVEL ROAD AS NECESSARY TO MAINTAIN ACCESS. USE EXISTING SALVAGED MATERIAL FROM SITE OR FURNISH GRAVEL MATERIAL AS DIRECTED BY THE ENGINEER. FURNISHED GRAVEL MATERIAL FOR TEMPORARY ACCESS PURPOSES TO BE PAID FOR AS "MAINTENANCE GRAVEL, LM."

**PHASE I LEGEND**

- WORK AREA
- CHANNELIZING DEVICES
- TRAFFIC FLOW
- TEMPORARY PAVEMENT MARKING
- EXISTING TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY PAVEMENT MARKING

06 02/23/2024	PAD
RE-ISSUED FOR BIDDING	
05 12/01/2023	PAD
ISSUED FOR BIDDING	
04 10/25/2023	PAD
90% SUBMITTAL	
01 08/30/2023	PAD
70% SUBMITTAL	

REVISIONS

DATE: FEBRUARY, 2024  
SCALE: 1" = 40'

MAINTAINING TRAFFIC  
MICHIKAL STREET  
RECONSTRUCTION



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269.327.3532

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PHILIP A. DOORLAG  
6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001

05 12/01/2023	PAD
ISSUED FOR BIDDING	
04 10/25/2023	PAD
90% SUBMITTAL	
01 08/30/2023	PAD
70% SUBMITTAL	

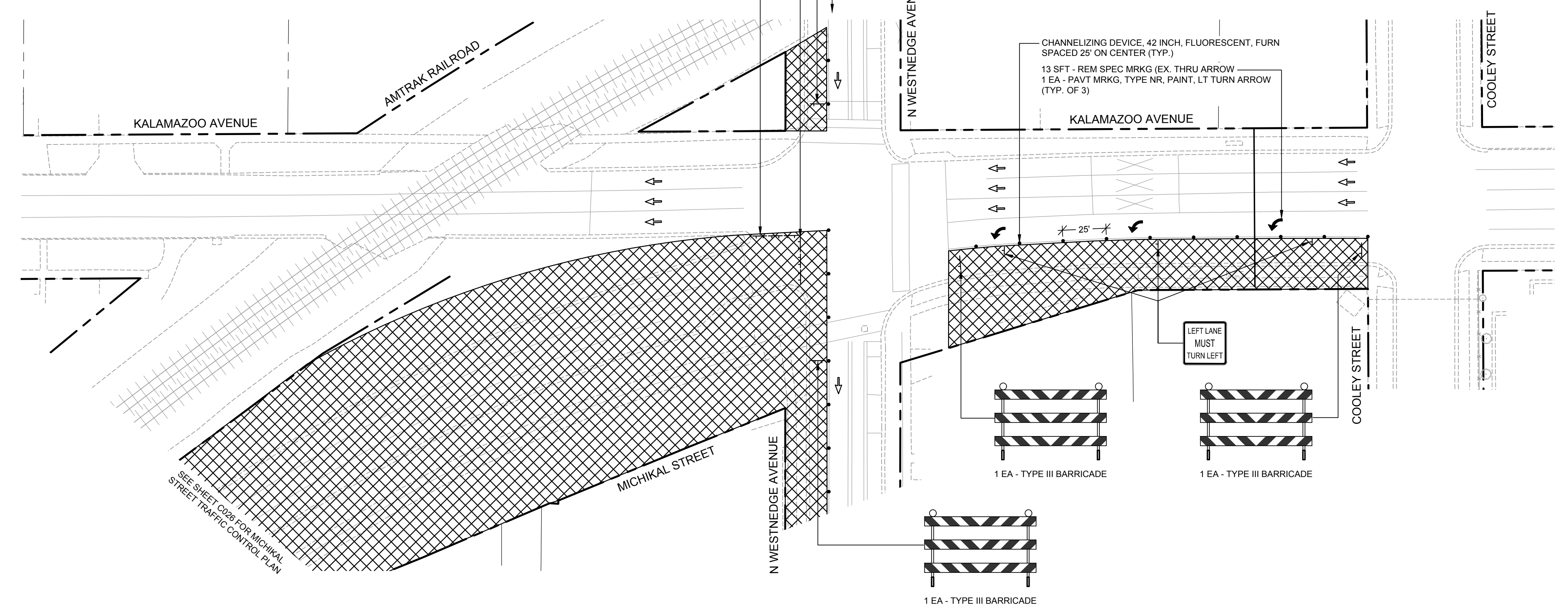
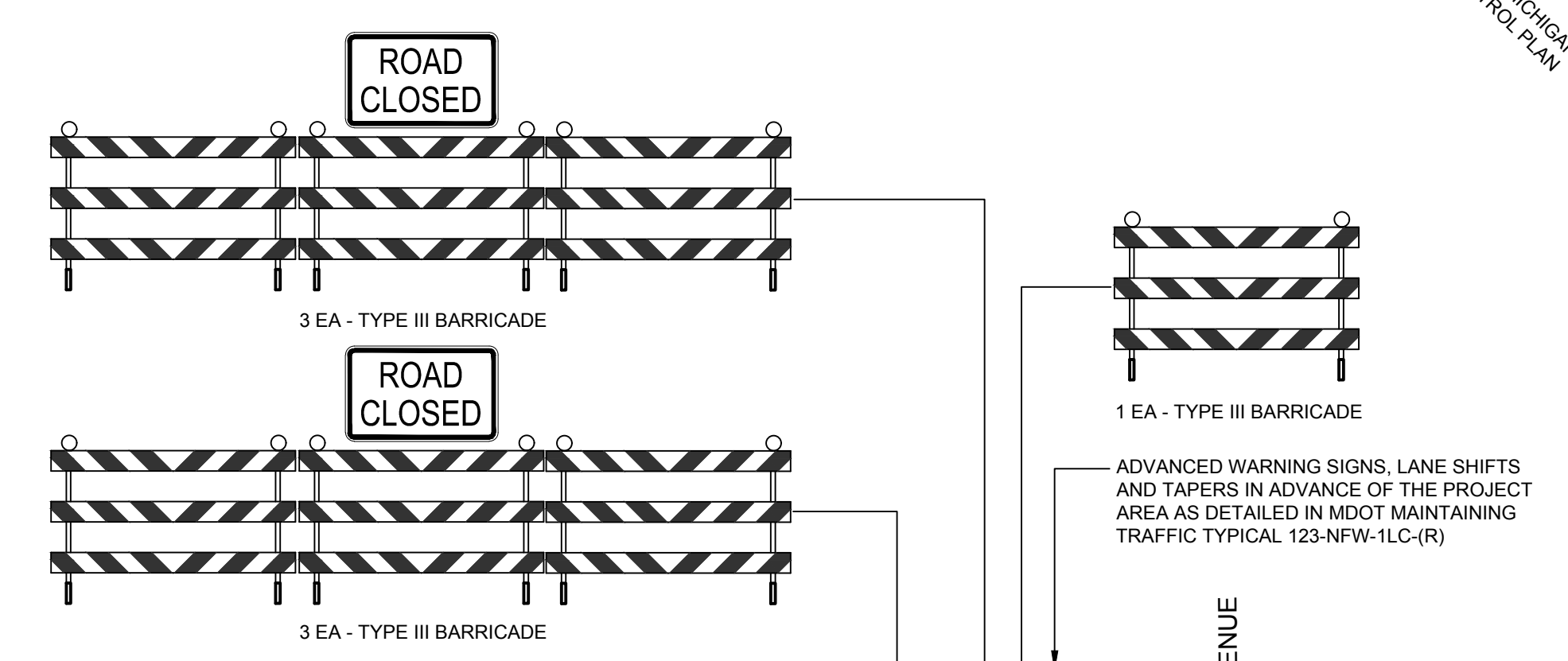
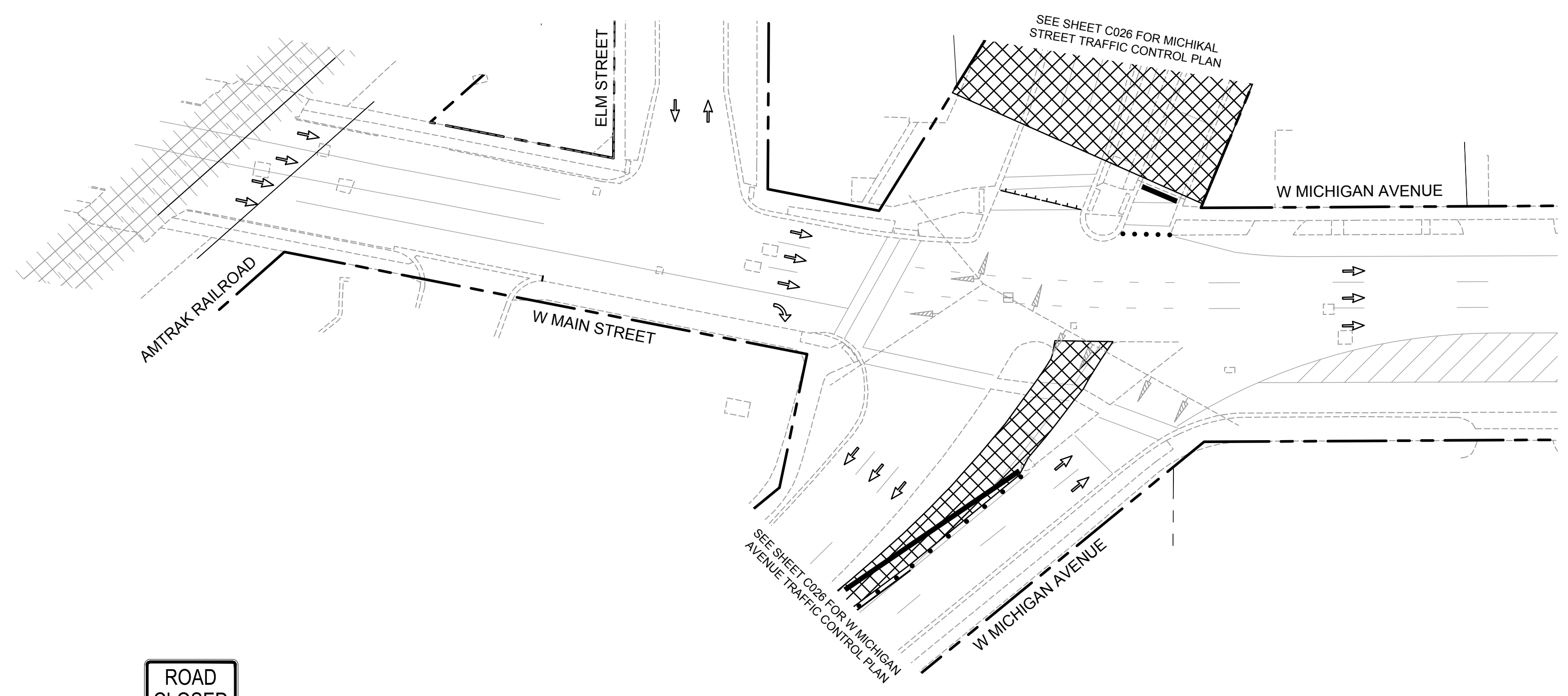
**REVISIONS**

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DATE: FEBRUARY, 2024  
SCALE: 1" = 40'

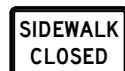





**MAINTAINING TRAFFIC**  
MICHIKAL STREET  
RECONSTRUCTION

JOB No. 224022  
**C027**  
OF 39



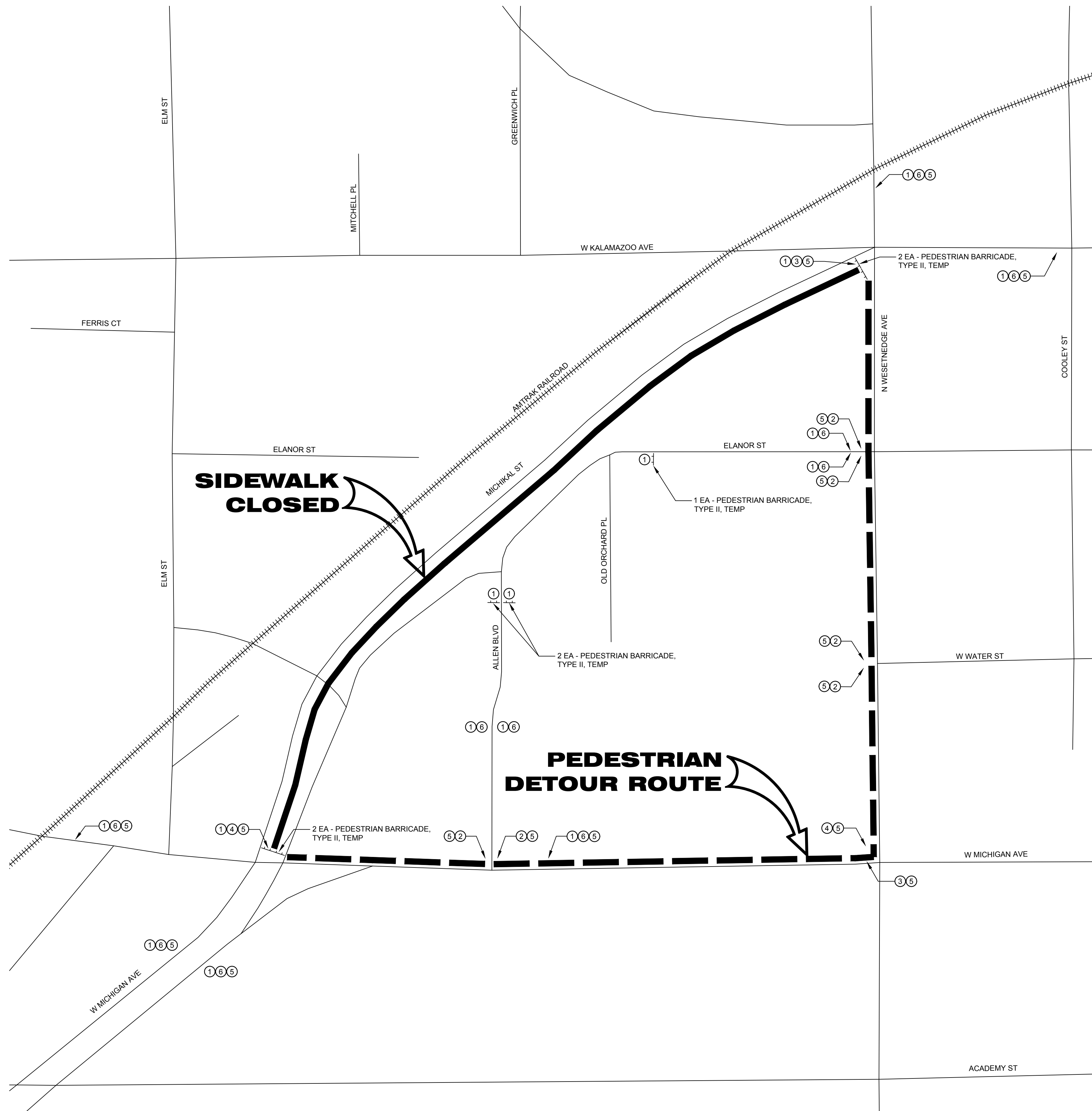
### PHASE I LEGEND

- WORK AREA
- CHANNELIZING DEVICES
- TRAFFIC FLOW
- TEMPORARY PAVEMENT MARKING
- EXISTING TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY PAVEMENT MARKING

LEGEND					
QTY.	SIGN DESIGNATION	DESCRIPTION	SIZE	AREA	
①	15 EA	R9-9		30 INCH x 18 INCH	56.25 SFT
②	6 EA	M4-9a		30 INCH x 24 INCH	30 SFT
③	2 EA	M4-9a		30 INCH x 24 INCH	10 SFT
④	2 EA	M4-9a		30 INCH x 24 INCH	10 SFT
⑤	16 EA	*W16-8P		36 INCH x 12 INCH	48 SFT
⑥	10 EA	*W16-8P		18 INCH x 12 INCH	15 SFT

TOTAL AREA = 189.25 SFT

\* DENOTES SPECIAL SIGN



PEDESTRIAN DETOUR  
SCALE: 1" = 100'

QUANTITIES THIS SHEET	
ITEM	QTY.
Pedestrian Type II Barricade, Temp	7 Ea
Sign, Type B, Temp, Prismatic, Furn	125 Sft
Sign, Type B, Temp, Prismatic, Oper	125 Sft
Sign, Type B, Temp, Prismatic, Spec, Furn	50 Sft
Sign, Type B, Temp, Prismatic, Spec, Oper	50 Sft

**W+**  
**WIGHTMAN**  
433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
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PROJECT NAME:

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IMPROVEMENTS**

**CITY OF  
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KALAMAZOO, MI 49001

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90% SUBMITTAL	
01/08/30/2023	PAD
70% SUBMITTAL	

REVISIONS  
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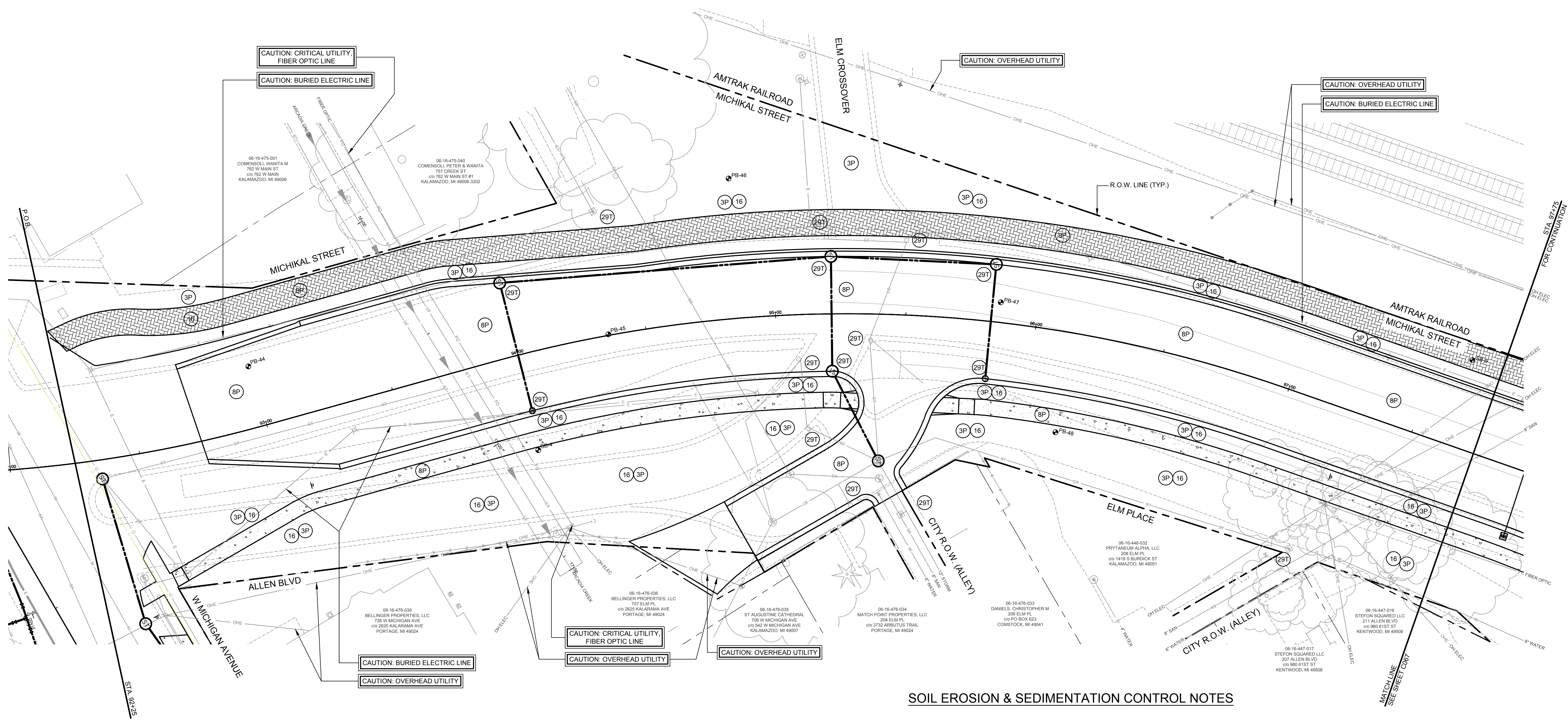
PEDESTRIAN DETOUR

QUANTITIES THIS SHEET	
ITEM	QTY.
Erosion Control, Inlet Protection, Fabric Drop	15 Ea



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CITY OF  
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415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**SOIL EROSION & SEDIMENTATION CONTROL NOTES**

- ALL CONSTRUCTION METHODS SHALL BE DONE IN COMPLIANCE WITH THE MICHIGAN SOIL EROSION AND SEDIMENTATION CONTROL ACT. EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS AND SHALL NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING ALL REQUIRED EROSION CONTROL MEASURES.
  - INSTALLATION OF SESC MEASURES SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MDT/DTMB SOIL EROSION MANUAL AND CURRENT EDITION OF THE MDT STANDARD SPECIFICATIONS. REFER TO THE APPROPRIATE MANUAL FOR PROPER MAINTENANCE AND INSTALLATION OF SESC MEASURES.
  - AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER. THESE COVER AREAS ACT AS SEDIMENT FILTERS.
  - ALL TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.
  - GEOTEXTILE SILT FENCE SHALL BE INSTALLED AS REQUIRED WHEN CROSSING CREEKS OR WHEN ADJACENT TO WETLANDS OR SURFACE WATER BODIES TO PREVENT SILTATION AND ELSEWHERE AS DIRECTED BY THE ENGINEER. SEEDING AND/OR SODDING SHALL BE INSTALLED ON CREEK BANKS IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.
  - MAINTENANCE, CLEANING, AND REMOVAL OF THE VARIOUS SEDIMENT CONTROL MEASURES SHALL BE INCLUDED IN THE VARIOUS EROSION CONTROL ITEMS.
  - CLEAN ADJACENT ROADWAY WHEN NECESSARY.
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- NUMBER IN CIRCLE REFERS TO NUMBERED DETAILS ON MDT STANDARD PLAN R-96 SERIES. SOIL EROSION & SEDIMENTATION CONTROL MEASURES. "P" DENOTES PERMANENT MEASURE AND "T" DENOTES TEMPORARY MEASURE. SOIL EROSION CONTROL PLANS DENOTE MINIMUM EROSION MEASURES REQUIRED AS DESCRIBED BELOW.

- 3P DENOTES PERMANENT SEEDING. ALL DISTURBED AREAS NOT PAVED OR GRAVELED SHALL BE RESTORED. PLACE TOPSOIL SURFACE, FURN OR SALV, 4 INCH, MDT SEEDING, MIXTURE TUF APPLIED AT A RATE OF 220 LB/ACRE, FERTILIZER, CHEMICAL NUTRIENT, CL A APPLIED AT A RATE OF 176 LB/ACRE; MULCH AT A RATE OF 2 TON/ACRE AND MULCH ANCHORING. (APPLIES TO ENTIRE PROJECT)
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06 03/08/2024	PAD	RE-ISSUED FOR BIDDING
05 12/01/2023	PAD	ISSUED FOR BIDDING
04 10/25/2023	PAD	90% SUBMITTAL
03 07/24/2023	PAD	RE-ISSUED FOR EGLE PART 399 PERMIT
02 07/03/2023	PAD	ISSUED FOR EGLE PART 399 PERMIT
01 08/30/2023	PAD	70% SUBMITTAL

**REVISIONS**  
DATE: MARCH, 2024  
SCALE: 1" = 20'

**SOIL EROSION AND SEDIMENTATION CONTROL**  
STA. 92+25 (P.O.B.) TO STA. 97+75

QUANTITIES THIS SHEET

ITEM	QTY.
Erosion Control, Inlet Protection, Fabric Drop	17 Ea



**WIGHTMAN**

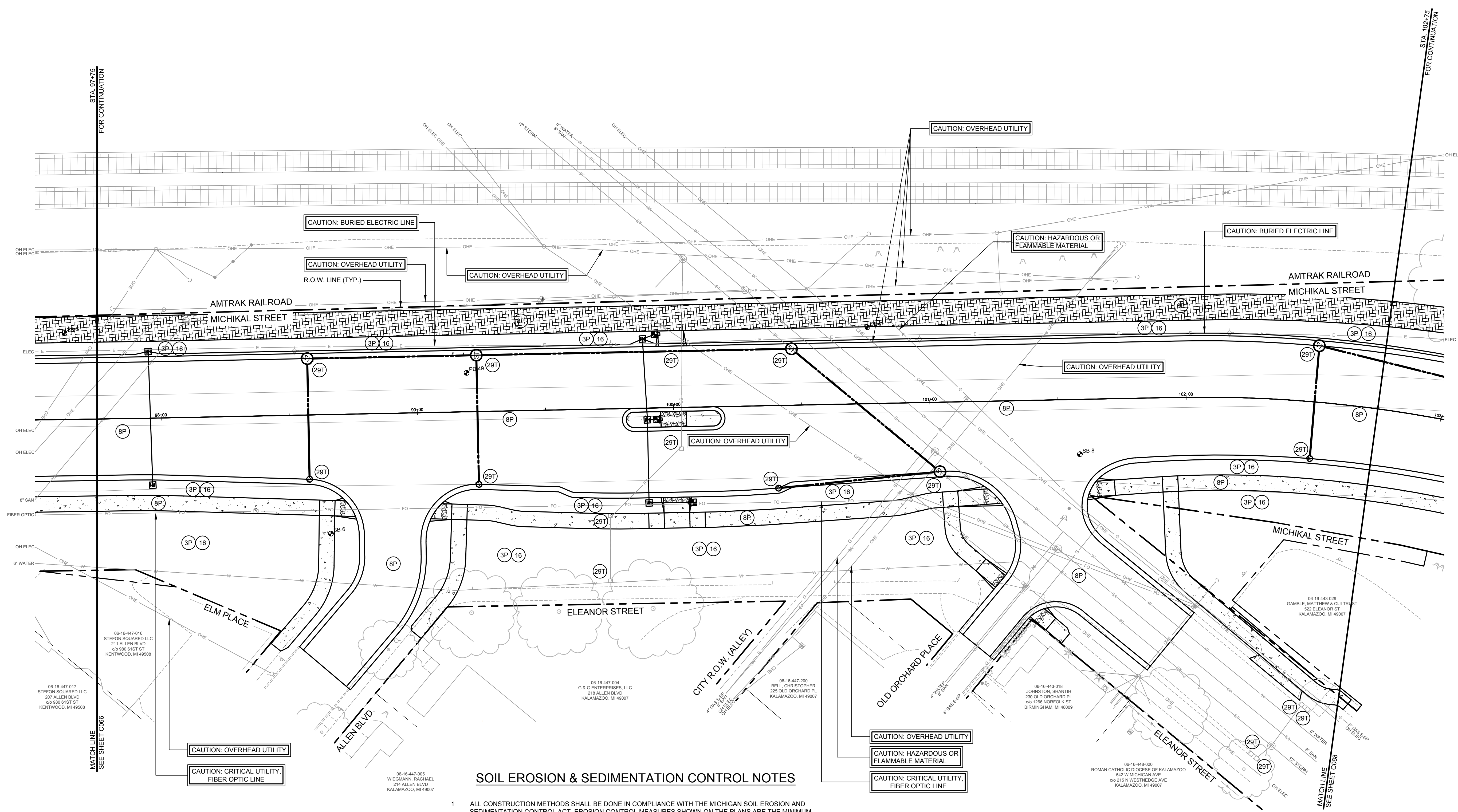
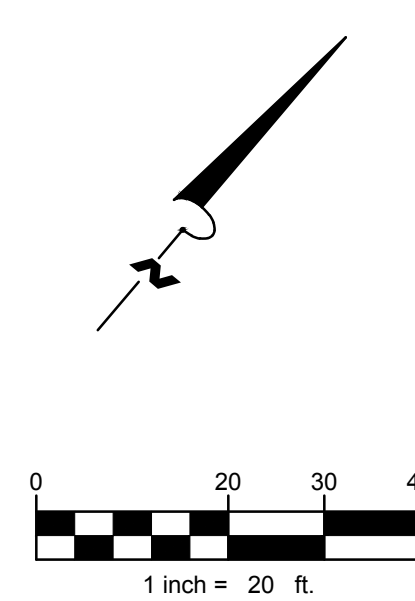
433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
269.327.3532

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PHILIP A. DOORLAG  
6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**

**CITY OF  
KALAMAZOO**  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**SOIL EROSION & SEDIMENTATION CONTROL NOTES**

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- (16) DENOTES TREES, SHRUBS AND PERENNIALS
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05/12/2023	PAD	ISSUED FOR BIDDING
04/10/2023	PAD	90% SUBMITTAL
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02/07/03/2023	PAD	ISSUED FOR EGLE PART 399 PERMIT
01/08/30/2023	PAD	70% SUBMITTAL

REVISIONS

DATE: MARCH, 2024  
SCALE: 1" = 20'

SOIL EROSION AND SEDIMENTATION CONTROL - STA. 97+75 TO STA. 102+75

JOB No. 224022  
**C030**  
OF 39

QUANTITIES THIS SHEET	
ITEM	QTY.
Erosion Control, Inlet Protection, Fabric Drop	25 Ea

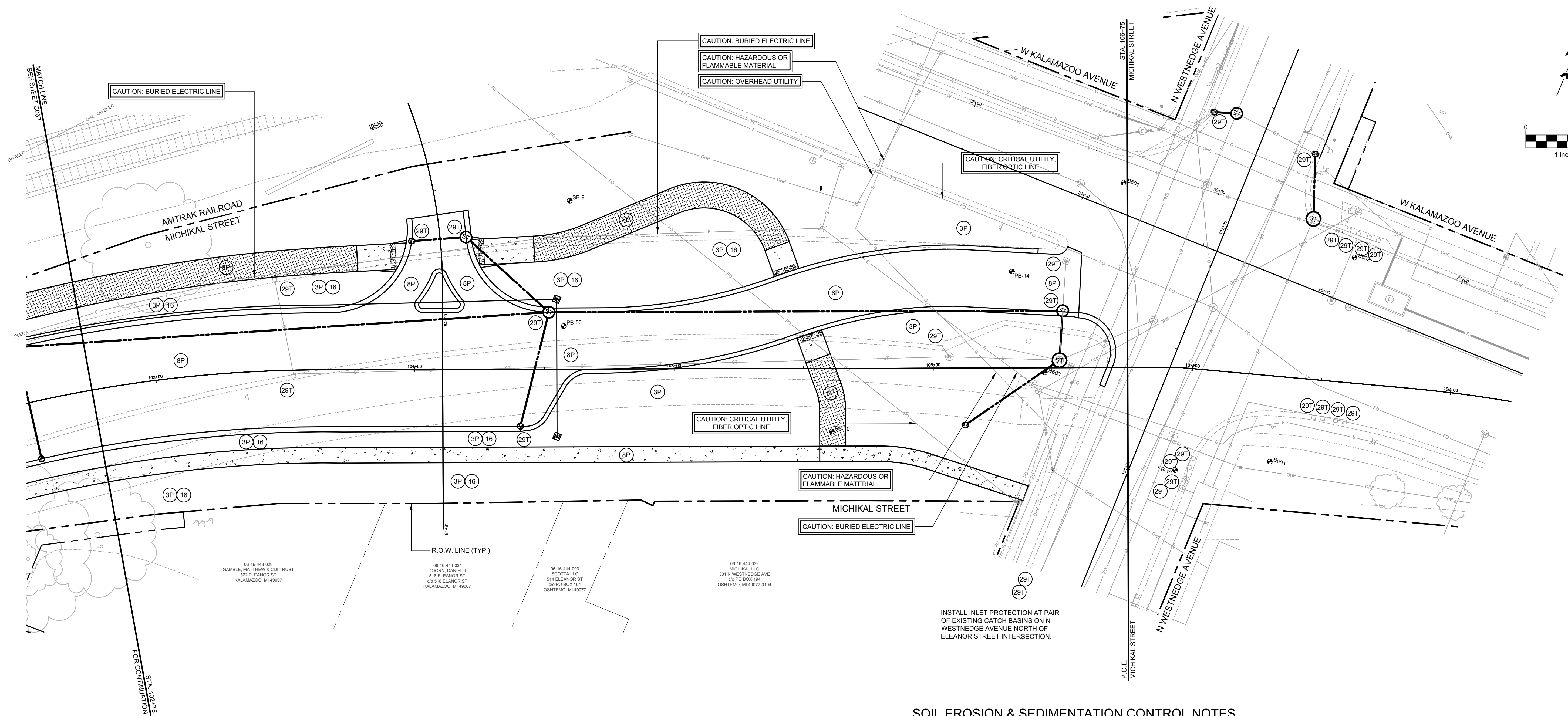
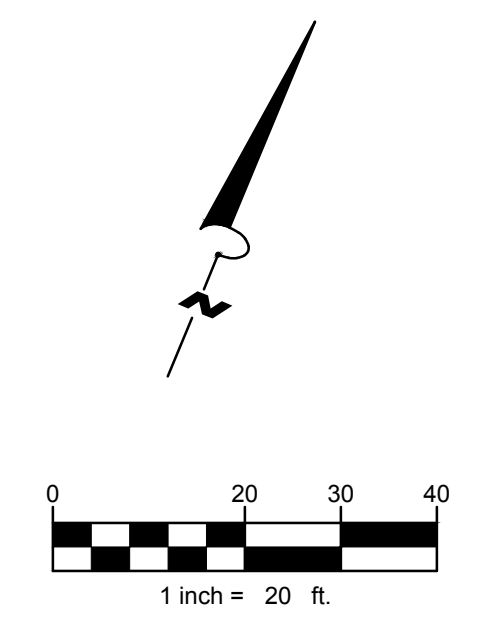


**WIGHTMAN**  
 433 E. RANSOM ST.  
 KALAMAZOO, MI. 49007  
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PHILIP A. DOORLAG  
 6201067363  
 PROJECT NAME:

**STREETS FOR ALL:  
 MICHIKAL  
 IMPROVEMENTS**

**CITY OF  
 KALAMAZOO**  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



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<b>REVISIONS</b>	
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SCALE: 1" = 20'	

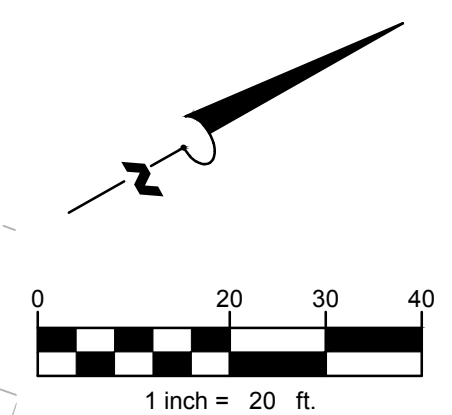
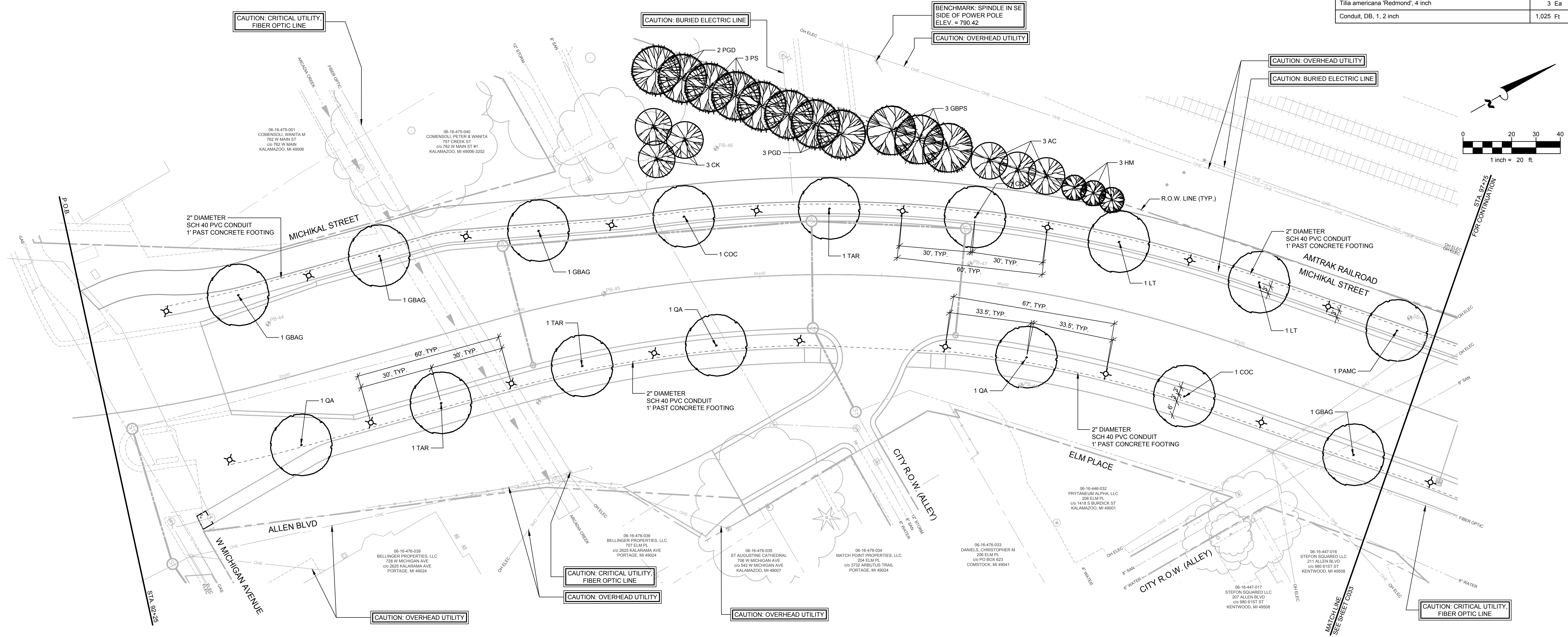
**SOIL EROSION AND  
 SEDIMENTATION  
 CONTROL -**  
 STA. 102+75 TO STA. 106+75  
 (P.O.E.)

QUANTITIES THIS SHEET

ITEM	QTY.
Amelanchier canadensis, clump form, 10 foot	3 Ea
Celtis occidentalis 'Chicagoland', 4 inch	3 Ea
Cornus kousa, clump form, 10 foot	3 Ea
Ginkgo bilboa 'Autumn Gold', 4 inch	4 Ea
Ginkgo bilboa 'Princeton Sentry', 4 inch	3 Ea
Heptacodium miconioides 'Temple of Bloom', clump form, 10 foot	3 Ea
Liriodendron tulipifera, 4 inch	2 Ea
Picea glauca 'Densata', 10 foot	5 Ea
Pinus strobus, 10 foot	3 Ea
Platanus acerifolia 'Morton Circle', 4 inch	1 Ea
Quercus Alba, 4 inch	3 Ea
Tilia americana 'Redmond', 4 inch	3 Ea
Conduit, DB, 1, 2 inch	1,025 Ft

**WIGHTMAN**  
433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
269.327.3532  
www.gowightman.com

PHILIP A. DOORLAG  
6201067363  
PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**  
CITY OF  
KALAMAZOO  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**NOTES**

- LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 811 FOR UTILITY LOCATIONS THREE DAYS PRIOR TO DIGGING.
- SEE SECTION 815 AND 917 OF THE 2020 MDT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- ALL LANDSCAPE BEDS ADJACENT TO LAWN AREAS SHALL HAVE A SPADED EDGE.
- LANDSCAPE ARCHITECT TO REVIEW ALL TREES EITHER IN THE NURSERIES OR VIA PHOTOGRAPHS OF EACH PLANT. CONTRACTOR TO COORDINATE.
- CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF AREAS OF POOR DRAINAGE OR OTHER UNUSUAL SUBSURFACE CONDITIONS ARE ENCOUNTERED DURING EXCAVATION FOR PLANTING PITS

**LEGEND**

- SHADE TREE
- EVERGREEN TREE
- ORNAMENTAL TREE

06/03/2024 PAD  
RE-ISSUED FOR BIDDING

05/12/2023 PAD  
ISSUED FOR BIDDING

04/10/25/2023 PAD  
90% SUBMITTAL

01/06/30/2023 PAD  
70% SUBMITTAL

**REVISIONS**

DATE: MARCH, 2024  
SCALE: 1" = 20'

LANDSCAPE PLAN -  
BASE BID -  
STA. 92+25 (P.O.B.) TO STA.  
97+75

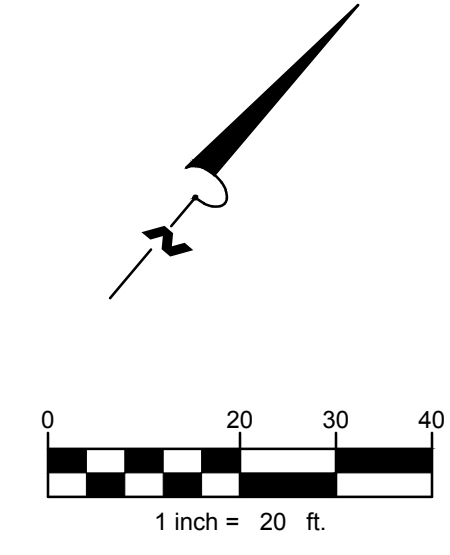
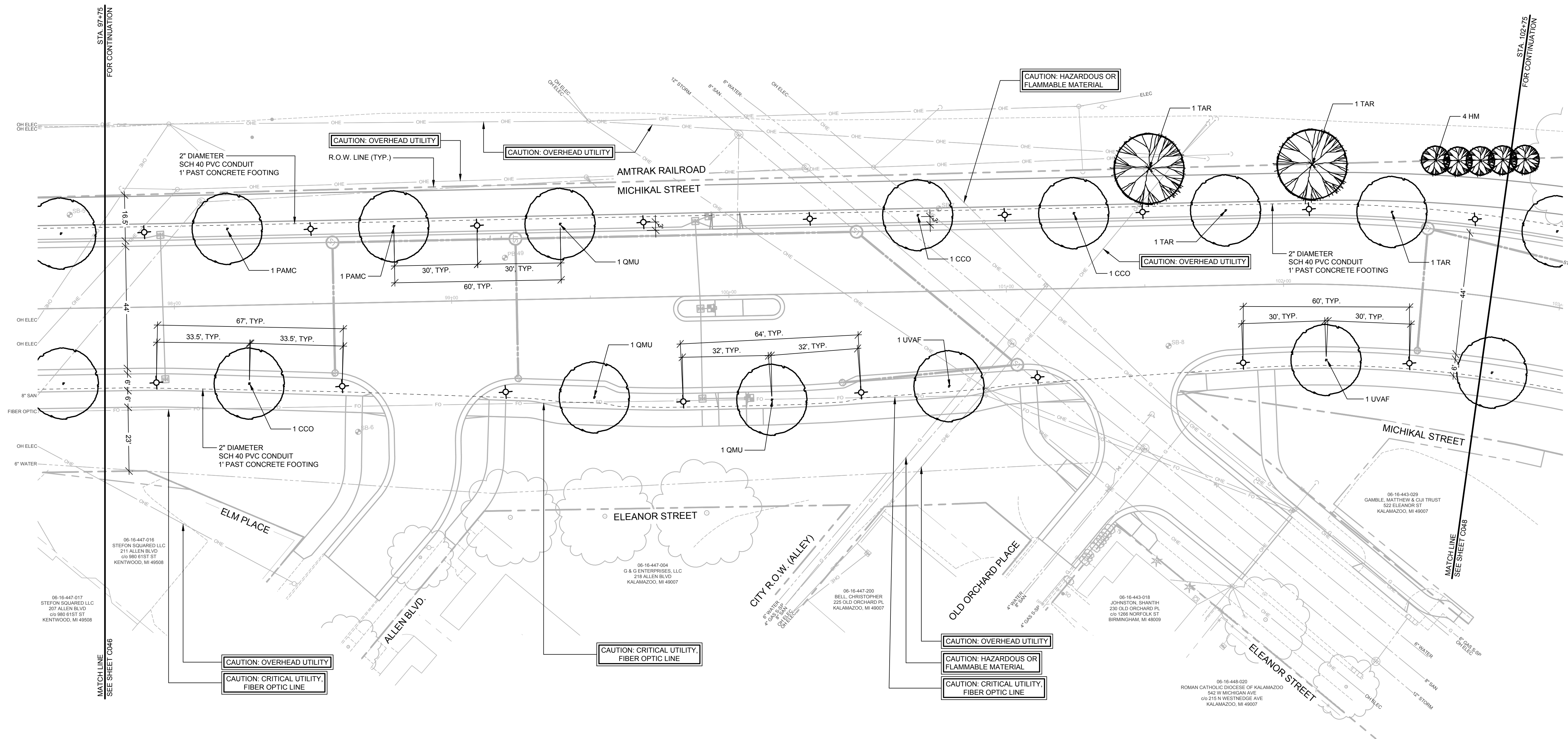


QUANTITIES THIS SHEET	
ITEM	QTY.
Corylus columa, 4 inch	3 Ea
Heptacodium miconioides 'Temple of Bloom', clump form, 10 foot	4 Ea
Platanus acerifolia 'Morton Circle', 4 inch	2 Ea
Quercus muehlenbergii, 4 inch	3 Ea
Tilia americana 'Redmond', 4 inch	4 Ea
Ulmus americana 'Valley Forge', 4 inch	2 Ea
Conduit, DB, 1, 2 inch	1,000 Ft



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PHILIP A. DOORLAG  
6201067363  
PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**  
  
CITY OF  
KALAMAZOO  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**NOTES**

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**LEGEND**

-  SHADE TREE
-  EVERGREEN TREE
-  ORNAMENTAL TREE

06/03/2024	PAD
RE-ISSUED FOR BIDDING	
05/12/2023	PAD
ISSUED FOR BIDDING	
04/10/25/2023	PAD
90% SUBMITTAL	
01/08/30/2023	PAD
70% SUBMITTAL	

**REVISIONS**  
DATE: MARCH, 2024  
SCALE: 1" = 20'

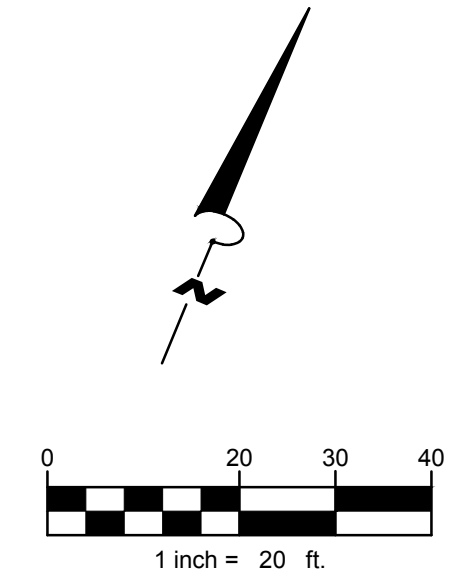
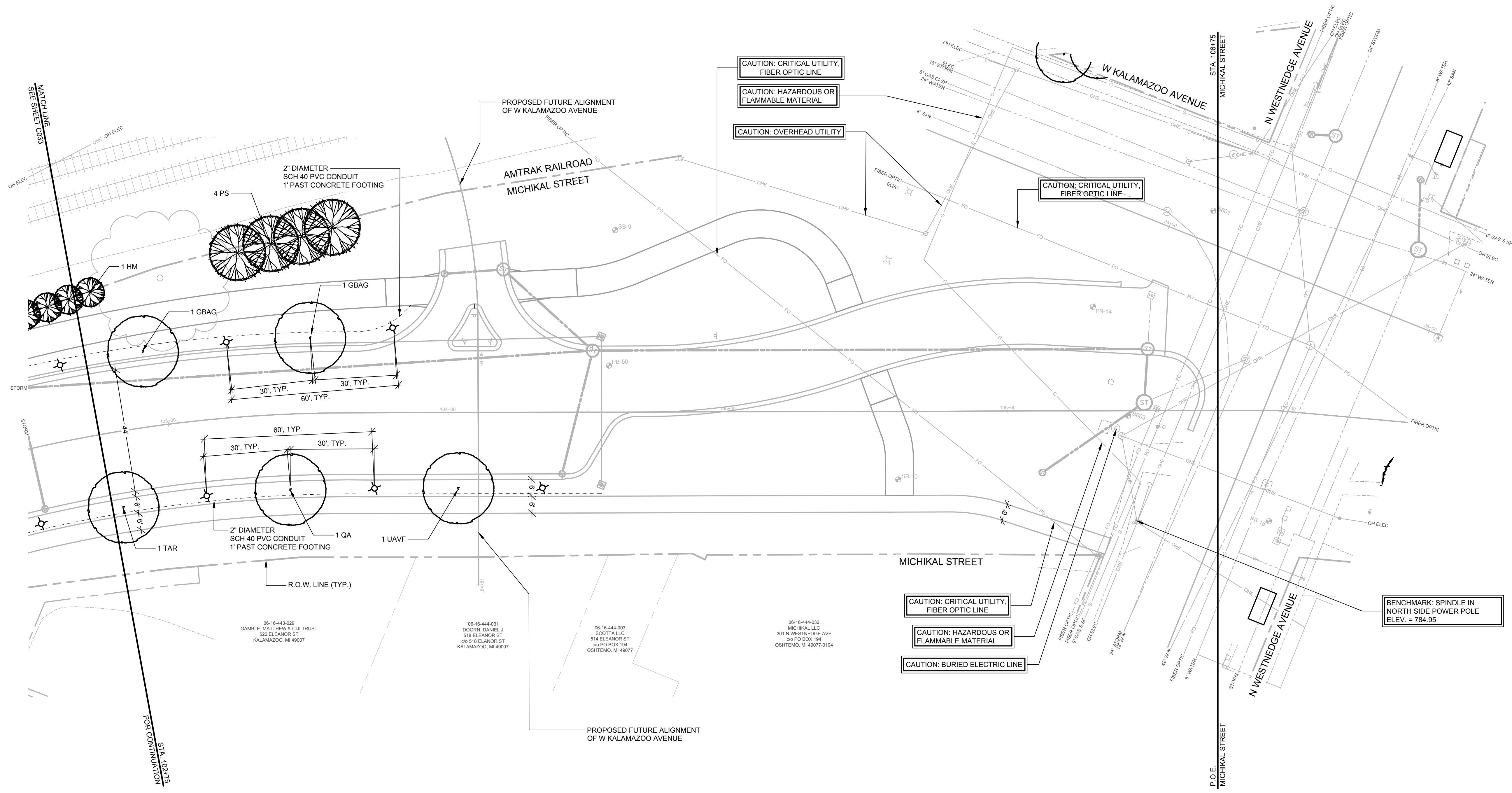
LANDSCAPE PLAN -  
BASE BID -  
STA. 97+75 TO STA. 102+75

QUANTITIES THIS SHEET	
ITEM	QTY.
Ginkgo biloba 'Autumn Gold', 4 inch	2 Ea
Heptacodium miconioides 'Temple of Bloom', clump form, 10 foot	1 Ea
Pinus strobus, 10 foot	4 Ea
Quercus Alba, 4 inch	1 Ea
Tilia americana 'Redmond', 4 inch	1 Ea
Ulmus americana 'Valley Forge', 4 inch	1 Ea
Conduit, DB, 1, 2 inch	295 Ft



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PHILIP A. DOORLAG  
 6201067363  
 PROJECT NAME:  
**STREETS FOR ALL:  
 MICHIKAL  
 IMPROVEMENTS**  
 CITY OF  
**KALAMAZOO**  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



06-16-443-029  
 GAMBILE, MATTHEW & CUI TRUST  
 522 ELEANOR ST  
 KALAMAZOO, MI 49007

06-16-444-031  
 DOORIN, DANIEL J  
 518 ELEANOR ST  
 626 518 ELEANOR ST  
 KALAMAZOO, MI 49007

06-16-444-003  
 SCOTTA LLC  
 514 ELEANOR ST  
 626 PO BOX 194  
 OSHTEMO, MI 49077

06-16-444-032  
 MICHIKAL LLC  
 301 N WESTNEDGE AVE  
 626 PO BOX 194  
 OSHTEMO, MI 49077-0194

CAUTION: CRITICAL UTILITY,  
 FIBER OPTIC LINE

CAUTION: HAZARDOUS OR  
 FLAMMABLE MATERIAL

CAUTION: OVERHEAD UTILITY

CAUTION: CRITICAL UTILITY,  
 FIBER OPTIC LINE

CAUTION: CRITICAL UTILITY,  
 FIBER OPTIC LINE

CAUTION: HAZARDOUS OR  
 FLAMMABLE MATERIAL




CAUTION: BURIED ELECTRIC LINE

BENCHMARK: SPINDLE IN  
 NORTH SIDE POWER POLE  
 ELEV. = 784.95

**NOTES**

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**LEGEND**

-  SHADE TREE
-  EVERGREEN TREE
-  ORNAMENTAL TREE

06 03/08/2024	PAD
RE-ISSUED FOR BIDDING	
05 12/01/2023	PAD
ISSUED FOR BIDDING	
04 10/25/2023	PAD
90% SUBMITTAL	
01 06/30/2023	PAD
70% SUBMITTAL	

**REVISIONS**

DATE: MARCH, 2024  
 SCALE: 1" = 20'

LANDSCAPE PLAN -  
 BASE BID -  
 STA. 102+75 TO STA. 106+75  
 (P.O.E.)

QUANTITIES THIS SHEET	
ITEM	QTY.
Site Preparation, Max	1 LSUM
Watering and Cultivating, First Season, Min	1 LSUM

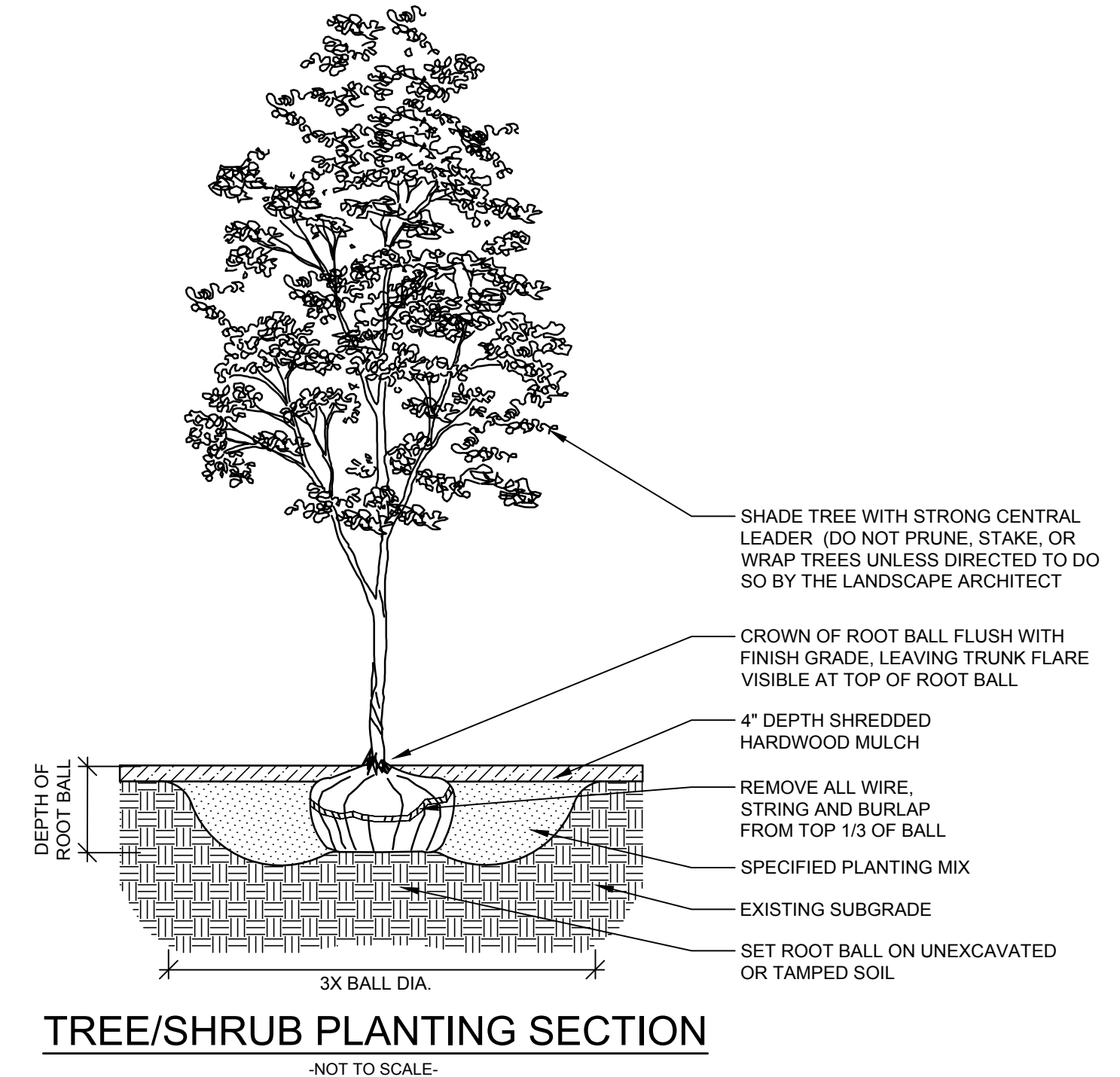


**WIGHTMAN**  
 433 E. RANSOM ST.  
 KALAMAZOO, MI. 49007  
 269.327.3532  
 www.gowightman.com

**PLANT LIST - BASE BID**

NOTE: QUANTITIES ON THE PLANT LIST ARE PROVIDED FOR INFORMATION ONLY. PLANT QUANTITIES UNDER THE CONTRACT ARE INDICATED ON THE PLANS. IN THE EVENT OF ANY DISCREPANCIES, THE CONTRACT SHALL BE BASED ON THE QUANTITIES SHOWN ON THE PLANS.

CODE	BOTANICAL NAME	COMMON NAME	QTY	CAL	HT	ROOT	REMARKS
<b>SHADE TREES</b>							
COC	CELTIS OCCIDENTALIS 'CHICAGOLAND'	CHICAGOLAND COMMON HACKBERRY	3	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
CCO	CORYLUS COLURNA	TURKISH FILBERT	3	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
GBAG	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINGKO	6	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
GBPS	GINKGO BILOBA PRINCETON SENTRY	PRINCETON SENTRY GINGKO	3	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
LT	LIRIODENDRON TULIPIFERA	TULIPTREE	2	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
PAMC	PLATANUS X ACERIFOLIA 'MORTON CIRCLE'	EXCLAMATION! LONDON PLANETREE	3	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
QMU	QUERCUS MUEHLENBERGII	CHINKAPIN OAK	3	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
QA	QUERCUS ALBA	WHITE OAK	4	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
TAR	TILIA AMERICANA 'REDMOND'	REDMOND AMERICAN LINDEN	8	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
UAVF	ULMUS AMERICANA 'VALLEY FORGE'	VALLEY FORGE AMERICAN ELM	3	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
<b>EVERGREEN TREES</b>							
PGD	PICEA GLAUCA 'DENSATA'	BLACK HILLS SPRUCE	5		10'		SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
PS	PINUS STROBUS	EASTERN WHITE PINE	7		10'	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
<b>ORNAMENTAL TREES</b>							
AC	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	3		10'	B&B	MULTI-STEM, 4-5 STEMS MINIMUM
CK	CORNUS KOUSA	KOUSA DOGWOOD	3		10'	B&B	MULTI-STEM, 4-5 STEMS MINIMUM
HM	HEPTACODIUM MICONIODES 'TEMPLE OF BLOOM'	TEMPLE OF BLOOM SEVEN-SON FLOWER	8		10'	B&B	MULTI-STEM, 4-5 STEMS MINIMUM



PHILIP A. DOORLAG  
 6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
 MICHIKAL  
 IMPROVEMENTS**

**CITY OF  
 KALAMAZOO**  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001

06 03/08/2024	PAD
RE-ISSUED FOR BIDDING	
05 12/01/2023	PAD
ISSUED FOR BIDDING	
04 10/25/2023	PAD
90% SUBMITTAL	
01 08/30/2023	PAD
70% SUBMITTAL	
<b>REVISIONS</b>	
<small>           2/28/2024 09:25:03 AM: J. Applegate - Updated to include...            2/28/2024 09:25:03 AM: J. Applegate - Updated to include...            2/28/2024 09:25:03 AM: J. Applegate - Updated to include...            THE REPRODUCTION, COPYING OR OTHER USE OF THIS DRAWING WITHOUT WRITTEN CONSENT IS PROHIBITED.            © 2024 WIGHTMAN &amp; ASSOCIATES, INC.         </small>	
DATE:	MARCH, 2024
SCALE:	NONE

LANDSCAPE PLAN -  
 BASE BID -  
 DETAILS AND PLANT LIST

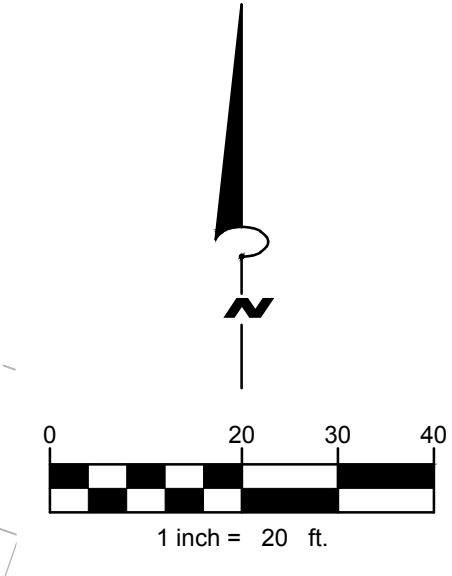
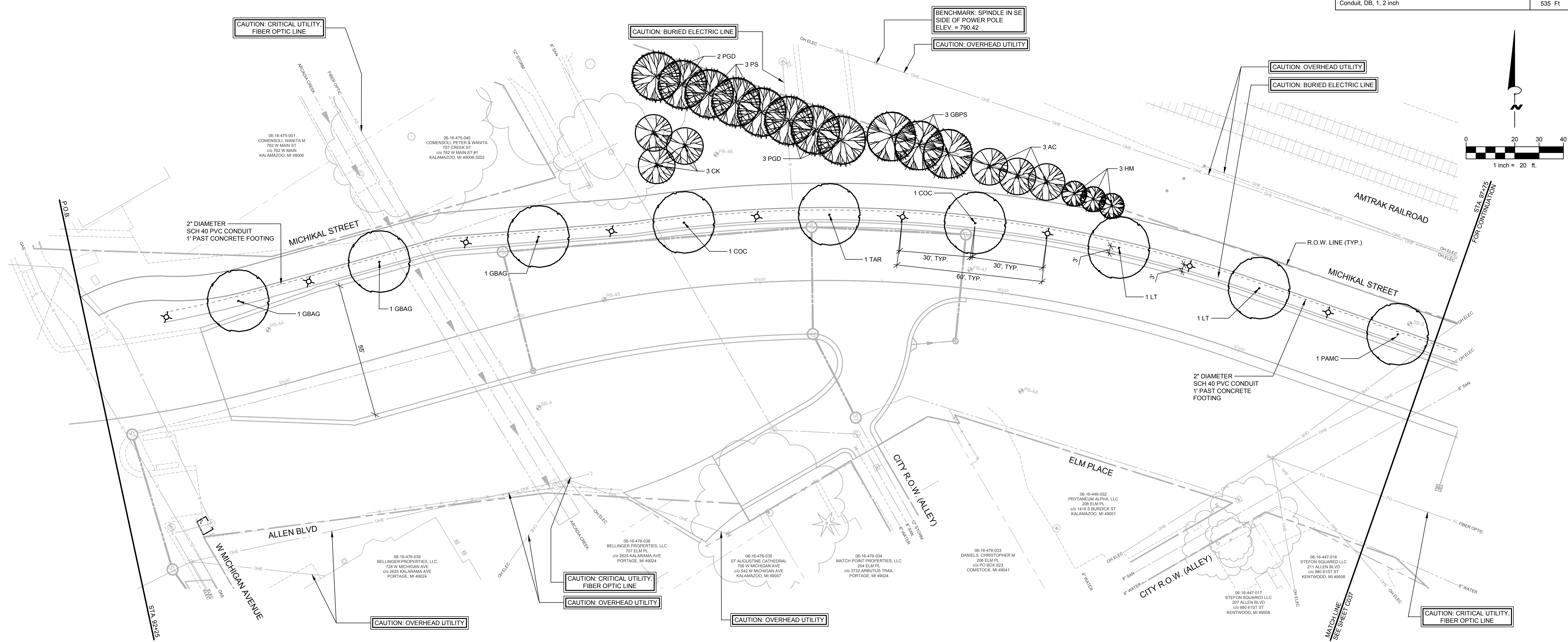
QUANTITIES THIS SHEET

ITEM	QTY.
Amelanchier canadensis, clump form, 10 foot	2 Ea
Celtis occidentalis 'Chicagoland', 4 inch	2 Ea
Cornus kousa, clump form, 10 foot	3 Ea
Ginkgo bilboa 'Autumn Gold', 4 inch	3 Ea
Ginkgo bilboa 'Princeton Sentry', 4 inch	3 Ea
Heptacodium miconioides 'Temple of Bloom', clump form, 10 foot	3 Ea
Liriodendron tulipifera, 4 inch	2 Ea
Picea glauca 'Densata', 10 foot	5 Ea
Pinus strobus, 10 foot	3 Ea
Platanus acerifolia 'Morton Circle', 4 inch	1 Ea
Tilia americana 'Redmond', 4 inch	1 Ea
Conduit, DB, 1, 2 inch	535 Ft



**WIGHTMAN**  
433 E. RANSOM ST.  
KALAMAZOO, MI. 49007  
269.327.3532  
www.gowightman.com




PHILIP A. DOORLAG  
6201067363  
PROJECT NAME:  
**STREETS FOR ALL:  
MICHIKAL  
IMPROVEMENTS**  
CITY OF  
KALAMAZOO  
415 E STOCKBRIDGE AVENUE  
KALAMAZOO, MI 49001



**NOTES**

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**LEGEND**

-  SHADE TREE
-  EVERGREEN TREE
-  ORNAMENTAL TREE

06 03/08/2024	PAD
RE-ISSUED FOR BIDDING	
05 12/01/2023	PAD
ISSUED FOR BIDDING	
04 10/25/2023	PAD
90% SUBMITTAL	
01 06/30/2023	PAD
70% SUBMITTAL	

**REVISIONS**  
DATE: MARCH, 2024  
SCALE: 1" = 20'

LANDSCAPE PLAN -  
ALTERNATE A -  
STA. 92+25 (P.O.B.) TO STA.  
97+75

QUANTITIES THIS SHEET

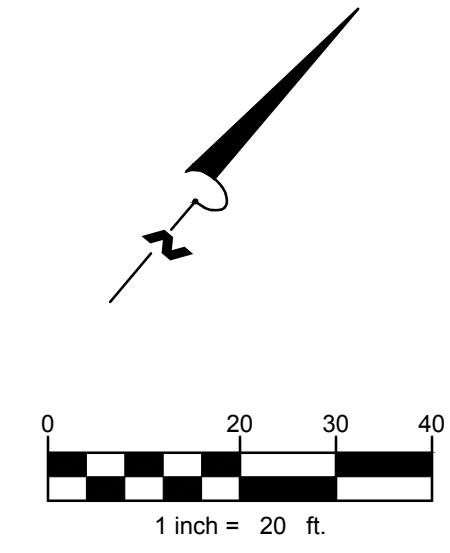
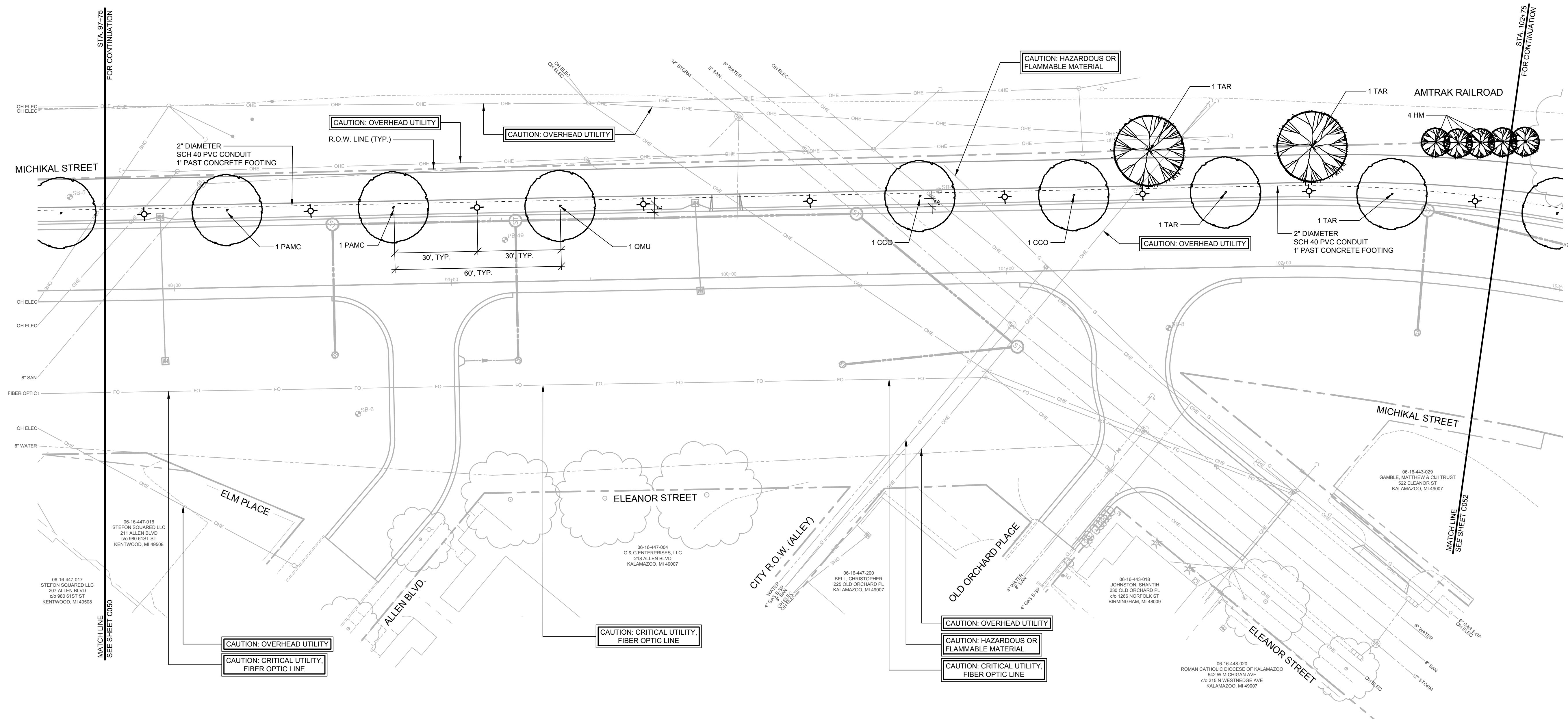
ITEM	QTY.
Corylus columa, 4 inch	2 Ea
Heptacodium miconioides 'Temple of Bloom', clump form, 10 foot	4 Ea
Platanus acerifolia 'Morton Circle', 4 inch	2 Ea
Quercus muehlenbergii, 4 inch	1 Ea
Tilia americana 'Redmond', 4 inch	4 Ea
Conduit, DB, 1, 2 inch	510 Ft

**W+**  
**WIGHTMAN**  
 433 E. RANSOM ST.  
 KALAMAZOO, MI. 49007  
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PHILIP A. DOORLAG  
 6201067363

PROJECT NAME:  
**STREETS FOR ALL:  
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**CITY OF  
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**LEGEND**

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06 03/08/2024	PAD
RE-ISSUED FOR BIDDING	
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ISSUED FOR BIDDING	
04 10/25/2023	PAD
90% SUBMITTAL	
01 08/30/2023	PAD
70% SUBMITTAL	

**REVISIONS**  
DATE: MARCH, 2024  
 SCALE: 1" = 20'

**LANDSCAPE PLAN -  
 ALTERNATE A -  
 STA. 97+75 TO STA. 102+75**

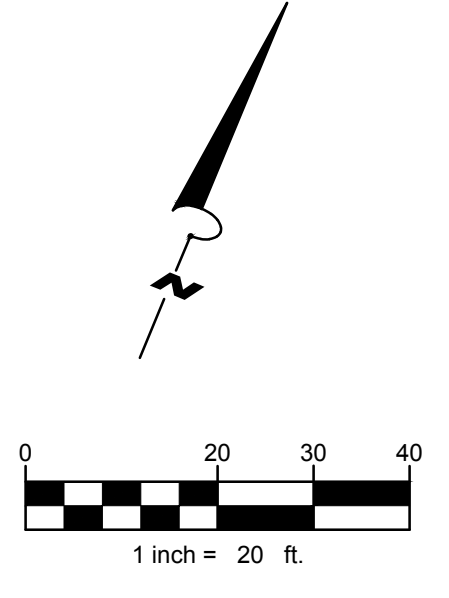
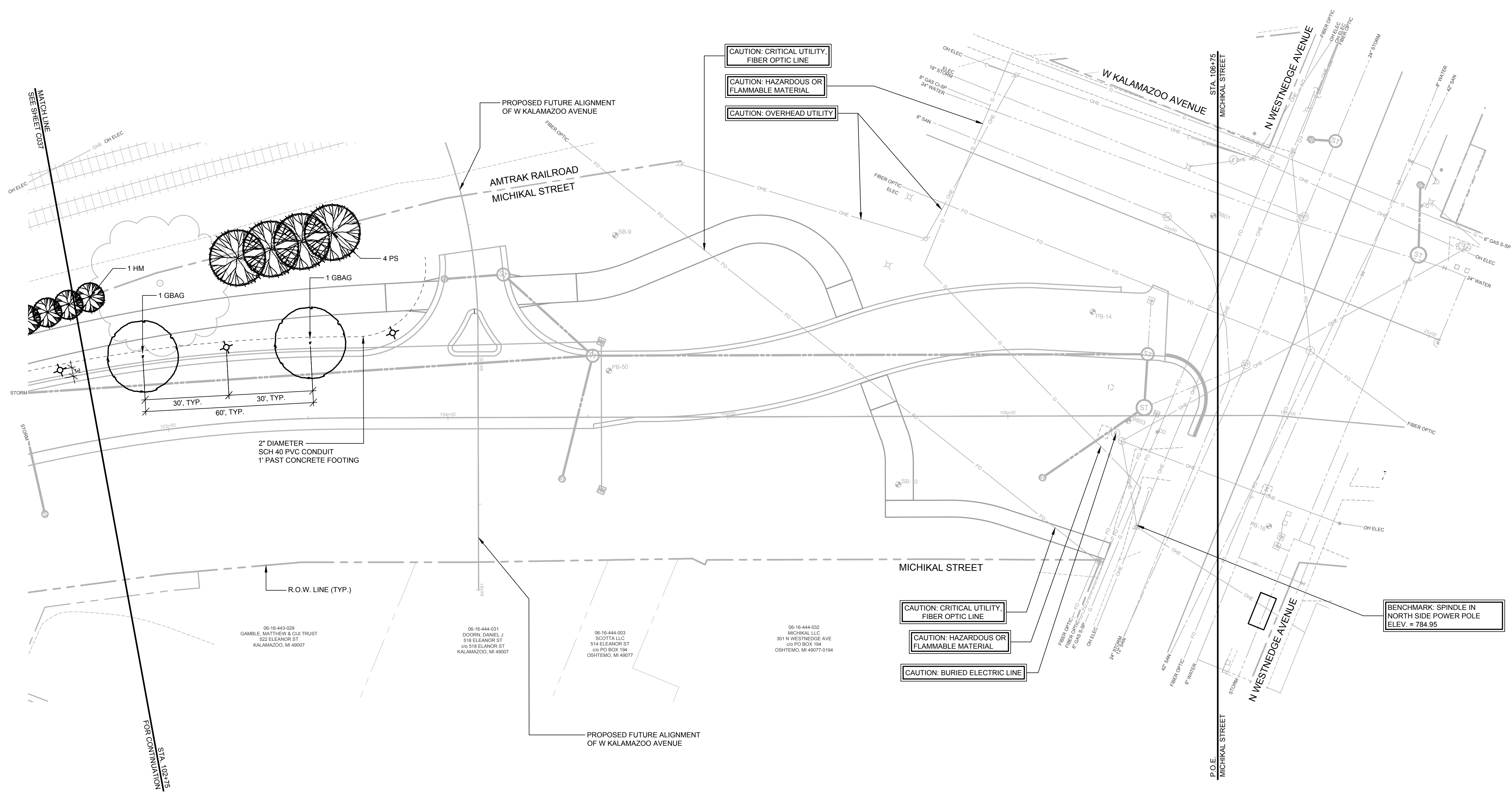
JOB No. 224022  
**C037**  
 OF 39

QUANTITIES THIS SHEET	
ITEM	QTY.
Ginkgo biloba 'Autumn Gold', 4 inch	2 Ea
Heptacodium miconioides 'Temple of Bloom', clump form, 10 foot	1 Ea
Pinus strobus, 10 foot	4 Ea
Conduit, DB, 1, 2 inch	145 Ft



**WIGHTMAN**  
 433 E. RANSOM ST.  
 KALAMAZOO, MI. 49007  
 269.327.3532  
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PHILIP A. DOORLAG  
 6201067363  
 PROJECT NAME:  
**STREETS FOR ALL:  
 MICHIKAL IMPROVEMENTS**  
 CITY OF  
**KALAMAZOO**  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



- CAUTION: CRITICAL UTILITY, FIBER OPTIC LINE
- CAUTION: HAZARDOUS OR FLAMMABLE MATERIAL
- CAUTION: OVERHEAD UTILITY
- CAUTION: CRITICAL UTILITY, FIBER OPTIC LINE
- CAUTION: HAZARDOUS OR FLAMMABLE MATERIAL
- CAUTION: BURIED ELECTRIC LINE
- BENCHMARK: SPINDLE IN NORTH SIDE POWER POLE ELEV. = 784.95

06-16-443-029  
 GAMBLE, MATTHEW & CJR TRUST  
 518 ELEANOR ST  
 KALAMAZOO, MI 49007

06-16-444-031  
 DOORN, DANIEL J  
 518 ELEANOR ST  
 620 PO BOX 194  
 KALAMAZOO, MI 49007




06-16-444-032  
 SCOTTA LLC  
 514 ELEANOR ST  
 620 PO BOX 194  
 OSHTEMO, MI 49077

06-16-444-032  
 MICHIKAL LLC  
 301 N WESTNEDGE AVE  
 620 PO BOX 194  
 OSHTEMO, MI 49077-9194

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-  SHADE TREE
-  EVERGREEN TREE
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06 03/08/2024	PAD
RE-ISSUED FOR BIDDING	
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ISSUED FOR BIDDING	
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90% SUBMITTAL	
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70% SUBMITTAL	
<b>REVISIONS</b>	
DATE: MARCH, 2024	
SCALE: 1" = 20'	

LANDSCAPE PLAN -  
 ALTERNATE A -  
 STA. 102+75 TO STA. 106+75  
 (P.O.E.)

QUANTITIES THIS SHEET	
ITEM	QTY.
Site Preparation, Max	1 LSUM
Watering and Cultivating, First Season, Min	1 LSUM



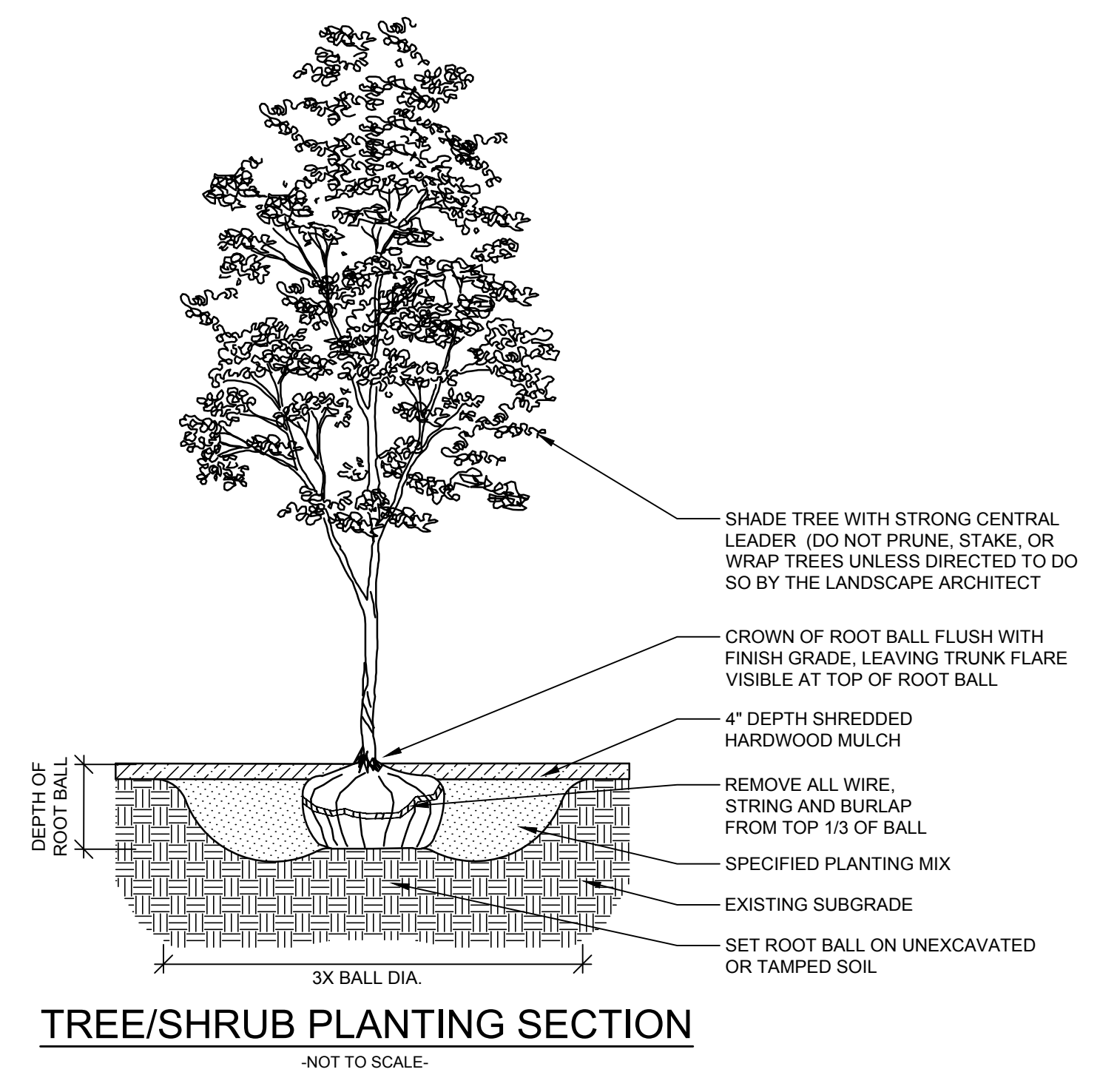
**WIGHTMAN**  
 433 E. RANSOM ST.  
 KALAMAZOO, MI. 49007  
 269.327.3532  
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**PLANT LIST - ALTERNATE A**

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CODE	BOTANICAL NAME	COMMON NAME	QTY	CAL	HT	ROOT	REMARKS
<b>SHADE TREES</b>							
COC	CELTIS OCCIDENTALIS 'CHICAGOLAND'	CHICAGOLAND COMMON HACKBERRY	2	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
CCO	CORYLUS COLURNA	TURKISH FILBERT	3	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
GBAG	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINGKO	5	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
GBPS	GINKGO BILOBA PRINCETON SENTRY	PRINCETON SENTRY GINGKO	3	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
LT	LIRIODENDRON TULIPIFERA	TULIPTREE	2	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
PAMC	PLATANUS X ACERIFOLIA 'MORTON CIRCLE'	EXCLAMATION! LONDON PLANETREE	3	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
QMU	QUERCUS MUEHLENBERGII	CHINKAPIN OAK	1	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
TAR	TILIA AMERICANA 'REDMOND'	REDMOND AMERICAN LINDEN	5	4"		B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY, LOWEST BRANCH 6' HEIGHT
<b>EVERGREEN TREES</b>							
PGD	PICEA GLAUCA 'DENSATA'	BLACK HILLS SPRUCE	5		10'		SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
PS	PINUS STROBUS	EASTERN WHITE PINE	7		10'	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
<b>ORNAMENTAL TREES</b>							
AC	AMELANCHIER CANADENSIS	SHADBLow SERVICEBERRY	2		10'	B&B	MULTI-STEM, 4-5 STEMS MINIMUM
CK	CORNUS KOUSA	KOUSA DOGWOOD	3		10'	B&B	MULTI-STEM, 4-5 STEMS MINIMUM
HM	HEPTACODIUM MICONIODES 'TEMPLE OF BLOOM'	TEMPLE OF BLOOM SEVEN-SON FLOWER	8		10'	B&B	MULTI-STEM, 4-5 STEMS MINIMUM

PHILIP A. DOORLAG  
 6201067363  
 PROJECT NAME:  
**STREETS FOR ALL:  
 MICHICAL  
 IMPROVEMENTS**  
 CITY OF  
**KALAMAZOO**  
 415 E STOCKBRIDGE AVENUE  
 KALAMAZOO, MI 49001



06 03/08/2024	PAD
RE-ISSUED FOR BIDDING	
05 12/01/2023	PAD
ISSUED FOR BIDDING	
04 10/25/2023	PAD
90% SUBMITTAL	
01 08/30/2023	PAD
70% SUBMITTAL	
<b>REVISIONS</b>	
<small>           03/08/2024 03:08:00 PM 2/24/2024 10:00:00 AM            12/01/2023 12:01:00 PM 10/25/2023 10:25:00 AM            10/25/2023 10:25:00 AM 08/30/2023 08:30:00 AM            THE REPRODUCTION, COPYING OR OTHER USE OF THIS DRAWING WITHOUT WRITTEN CONSENT IS PROHIBITED.            © 2024 WIGHTMAN &amp; ASSOCIATES, INC.         </small>	
DATE:	MARCH, 2024
SCALE:	NONE

LANDSCAPE PLAN -  
 ALTERNATE A  
 DETAILS AND PLANT LIST