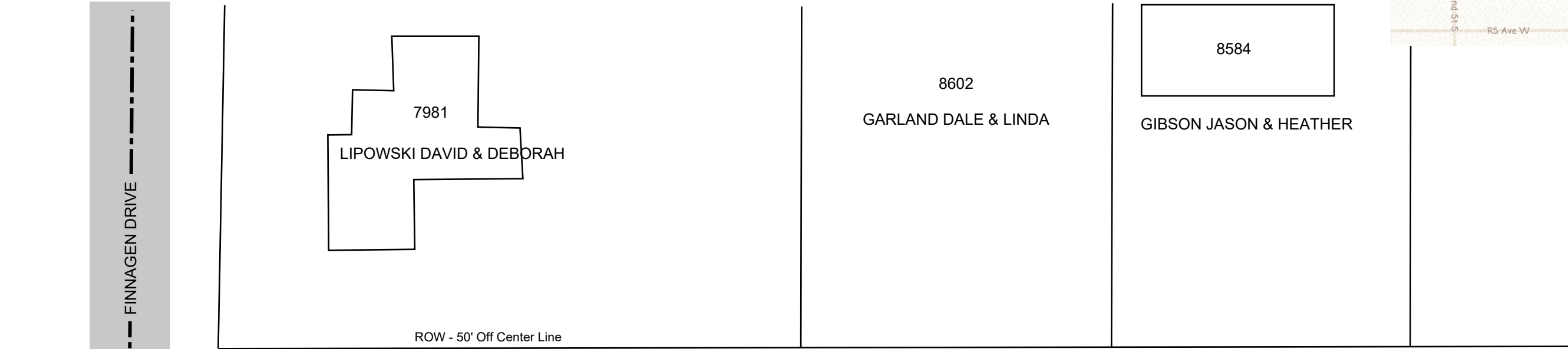
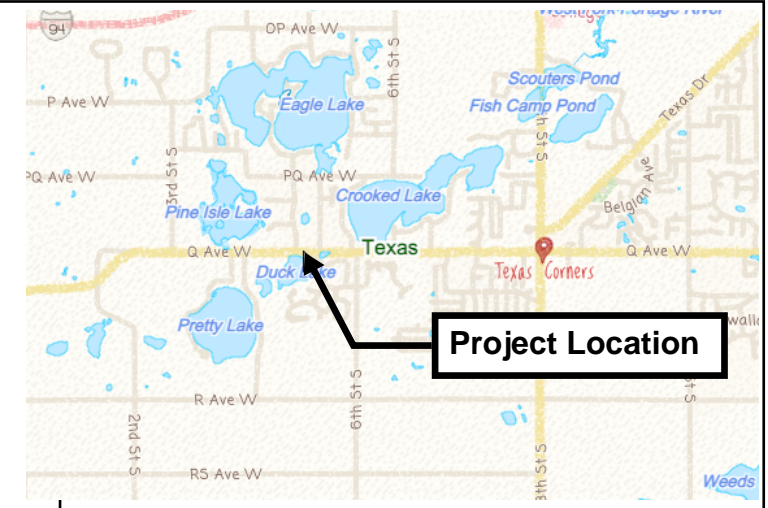
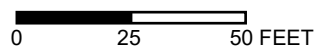
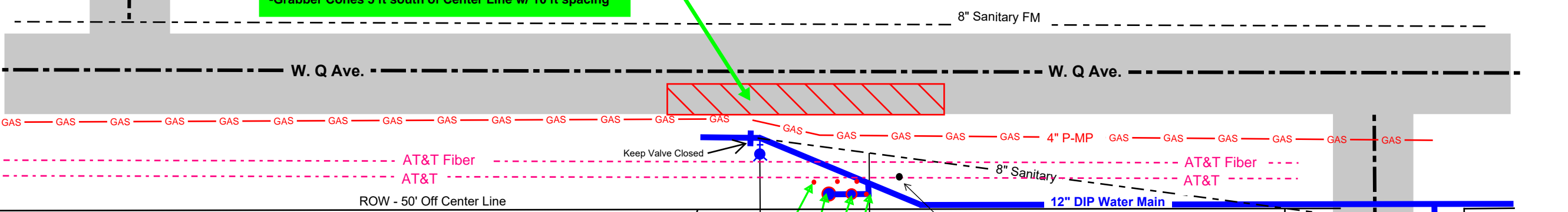


Construction Notes:

- 1) Perform all work in accordance with City of Kalamazoo Standard Specifications for Water Main and Service Installation 2021 and RCKC permit requirements
- 2) Contractor to supply all materials, labor, equipment, traffic control and SESC Measures
- 3) Restore Site to existing or better conditions
- 4) Maintain access to adjoining properties at all times
- 5) Do NOT leave excavation opened overnight
- 6) Tree removals and trimming shall be incidental
- 7) Asphalt and/or concrete removal and restoration shall be incidental
- 8) Existing utility locations are approximate and should only be used for general reference. Contractor is responsible for contacting MISSDIG prior to beginning work and ensuring existing utilities are not damaged. Contractor is responsible for repairing any damaged utilities, even if not depicted on the plans.



Proposed Road Closure/Work Area
 -Type III Barricades w/ lights on east and west ends
 -Grabber Cones 5 ft south of Center Line w/ 10 ft spacing

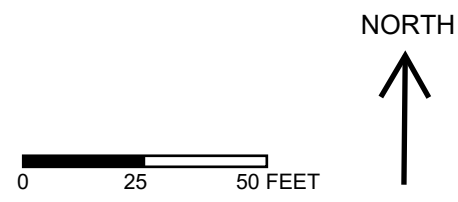
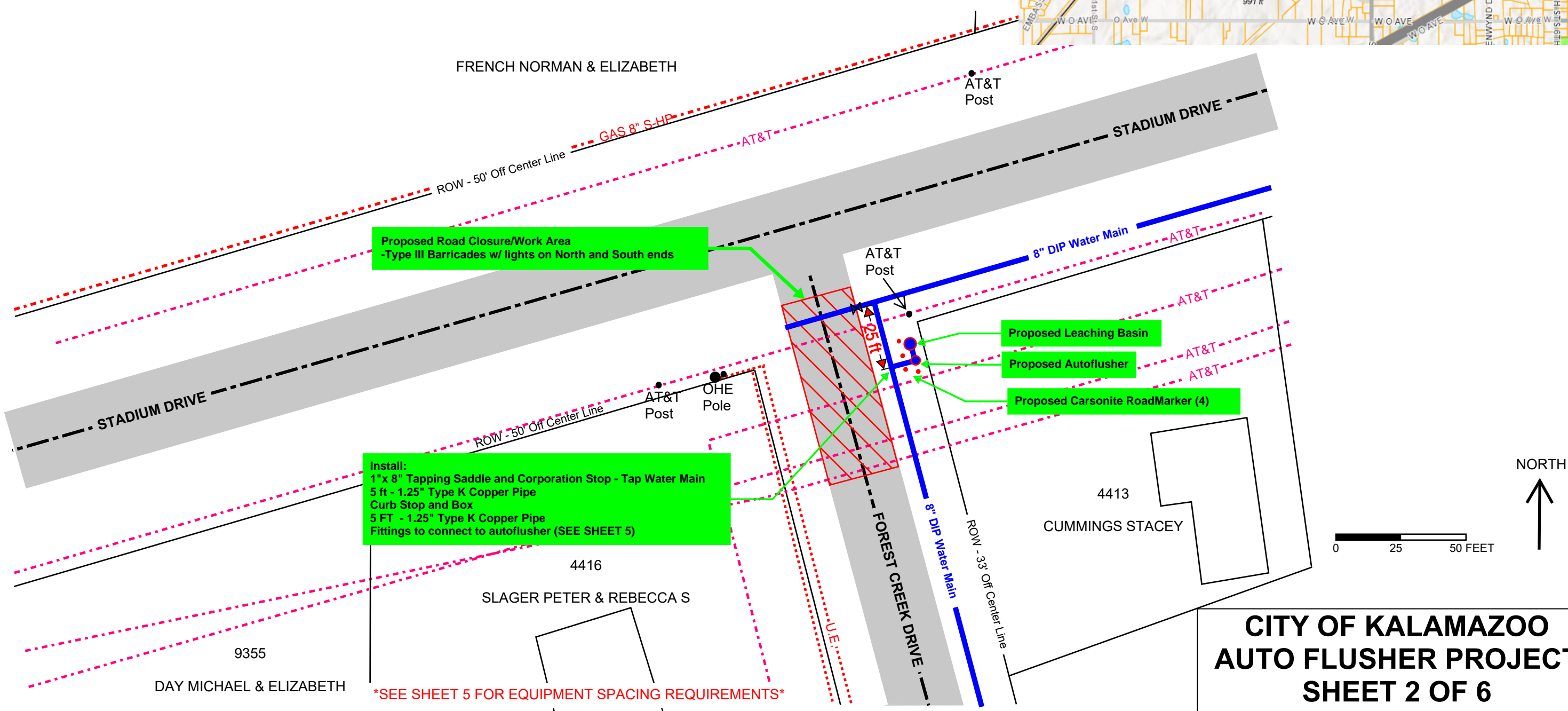
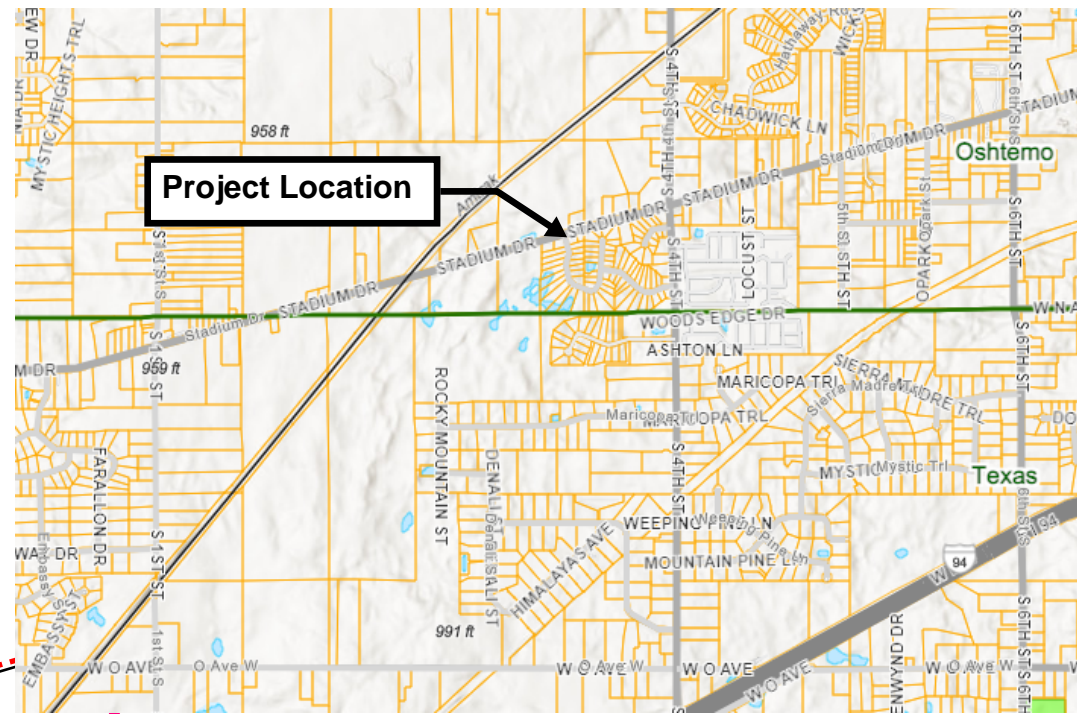


Proposed Carsonite RoadMarker (4)
Proposed Leaching Basin
Proposed Autoflusher

Install:
 1" x 12" Tapping Saddle and Corporation Stop - Tap Water Main
 5 ft of 1.25" Type K Copper Pipe
 Curb Stop and Box 5 FT East of Autoflusher
 5 ft of 1.25" Type K Copper Pipe from Curb Stop to Autoflusher
 Fittings to connect to autoflusher (SEE SHEET 5)

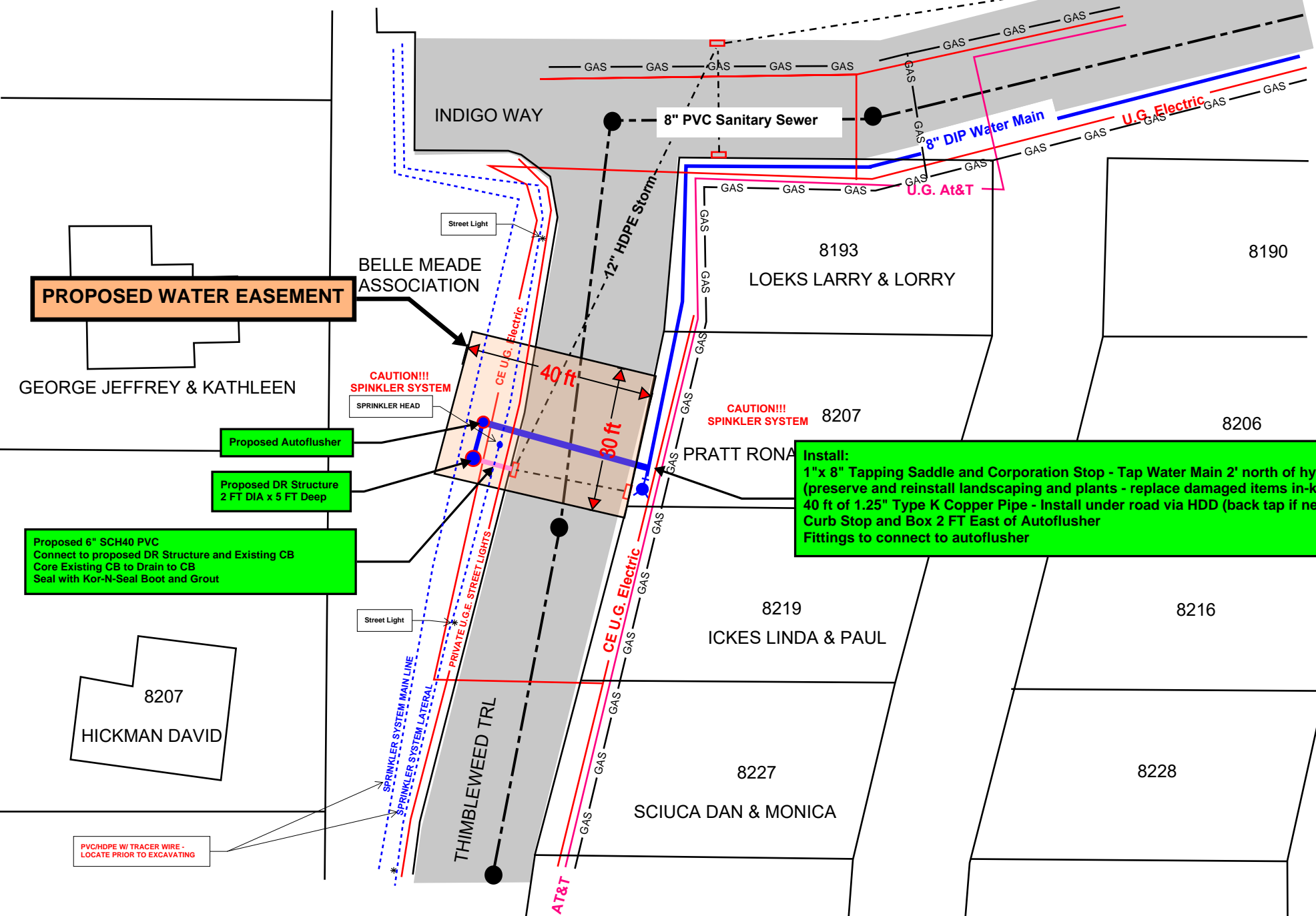
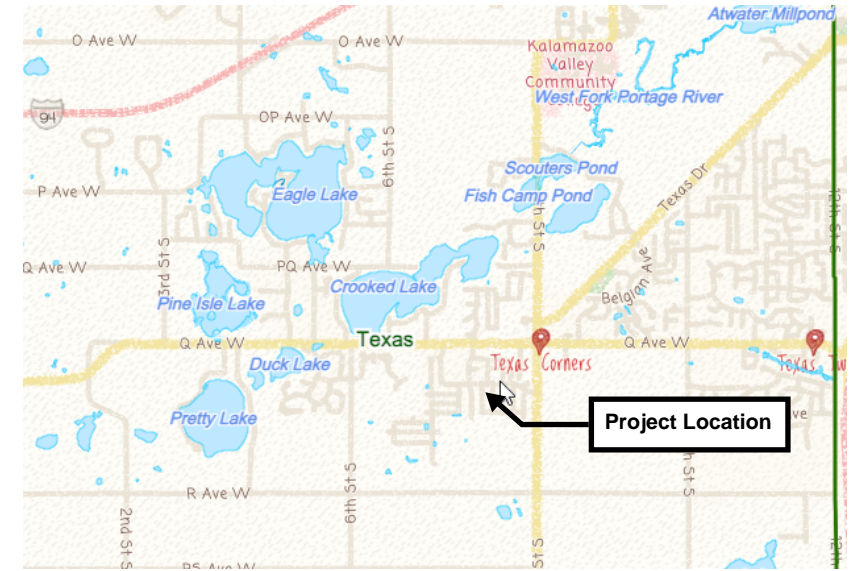
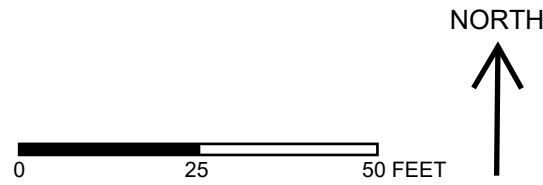
SEE SHEET 5 FOR EQUIPMENT SPACING REQUIREMENTS

- Construction Notes:**
- 1) Perform all work in accordance with City of Kalamazoo Standard Specifications for Water Main and Service Installation 2021 and RKC permit requirements
 - 2) Contractor to supply all materials, labor, equipment, traffic control and SESC Measures
 - 3) Restore Site to existing or better conditions
 - 4) Maintain access to adjoining properties at all times
 - 5) Do NOT leave excavation opened overnight
 - 6) Tree removals and trimming shall be incidental
 - 7) Asphalt and/or concrete removal and restoration shall be incidental
 - 8) Existing utility locations are approximate and should only be used for general reference. Contractor is responsible for contacting MISSDIG prior to beginning work and ensuring existing utilities are not damaged. Contractor is responsible for repairing any damaged utilities, even if not depicted on the plans.



**CITY OF KALAMAZOO
AUTO FLUSHER PROJECT
SHEET 2 OF 6**

SEE SHEET 5 FOR EQUIPMENT SPACING REQUIREMENTS



PROPOSED WATER EASEMENT

GEORGE JEFFREY & KATHLEEN

Proposed Autoflusher

Proposed DR Structure
2 FT DIA x 5 FT Deep

Proposed 6" SCH40 PVC
Connect to proposed DR Structure and Existing CB
Core Existing CB to Drain to CB
Seal with Kor-N-Seal Boot and Grout

8207
HICKMAN DAVID

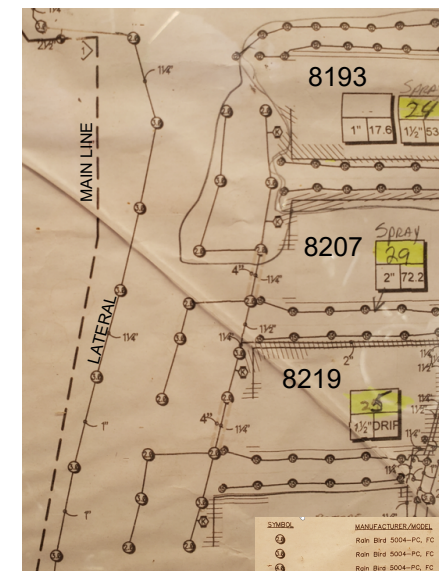
PVC/HDPE W/ TRACER WIRE -
LOCATE PRIOR TO EXCAVATING

Install:
1" x 8" Tapping Saddle and Corporation Stop - Tap Water Main 2' north of hydrant valve
(preserve and reinstall landscaping and plants - replace damaged items in-kind)
40 ft of 1.25" Type K Copper Pipe - Install under road via HDD (back tap if necessary and run under water main)
Curb Stop and Box 2 FT East of Autoflusher
Fittings to connect to autoflusher

CAUTION!!!
SPINKLER SYSTEM



Place Mock Rock Over 8" DIP and 2" HDPE to Conceal Autoflusher Discharge
<https://allmockrocks.com/>
Minimize Mock Rock Size to Maximum Extent



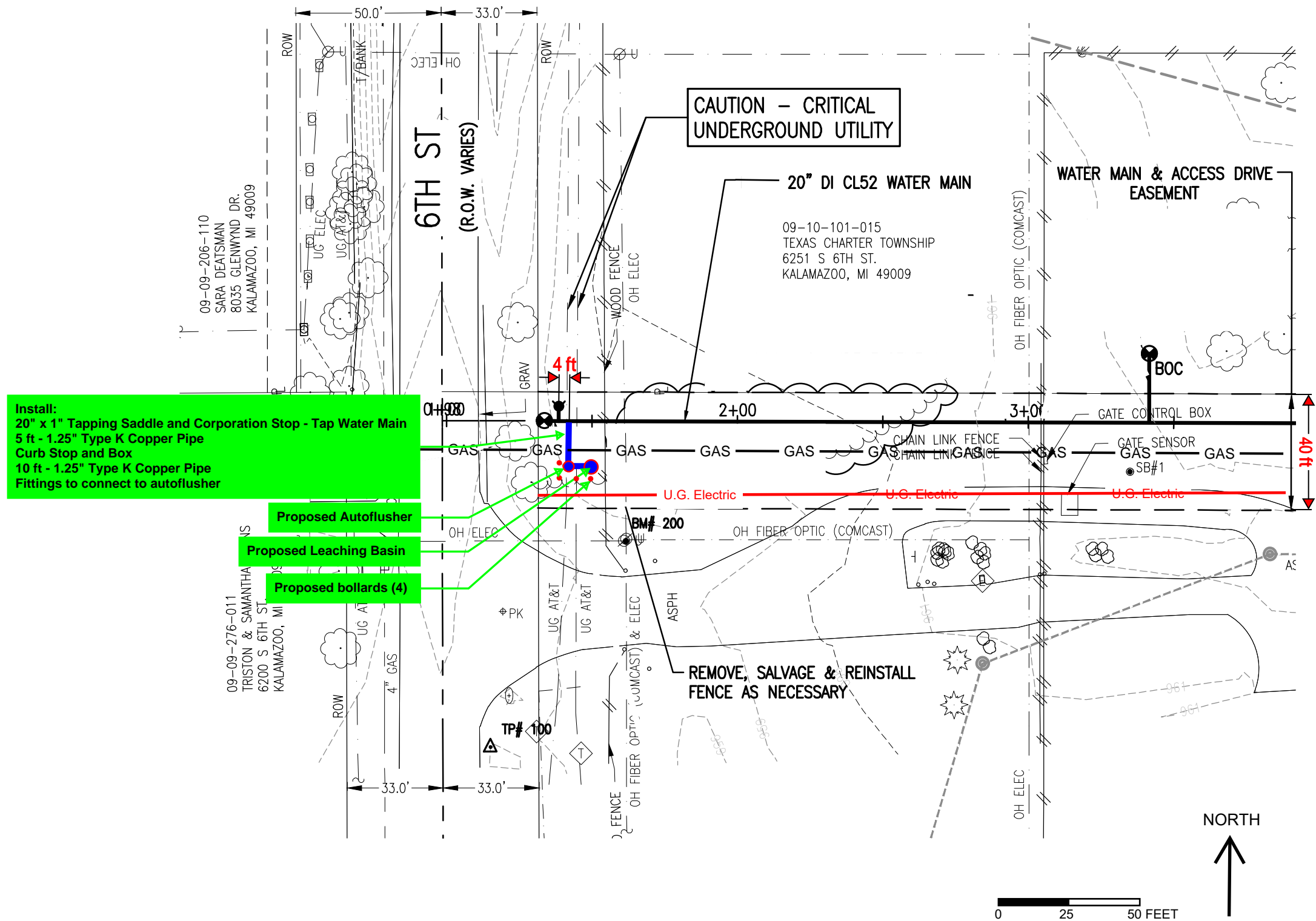
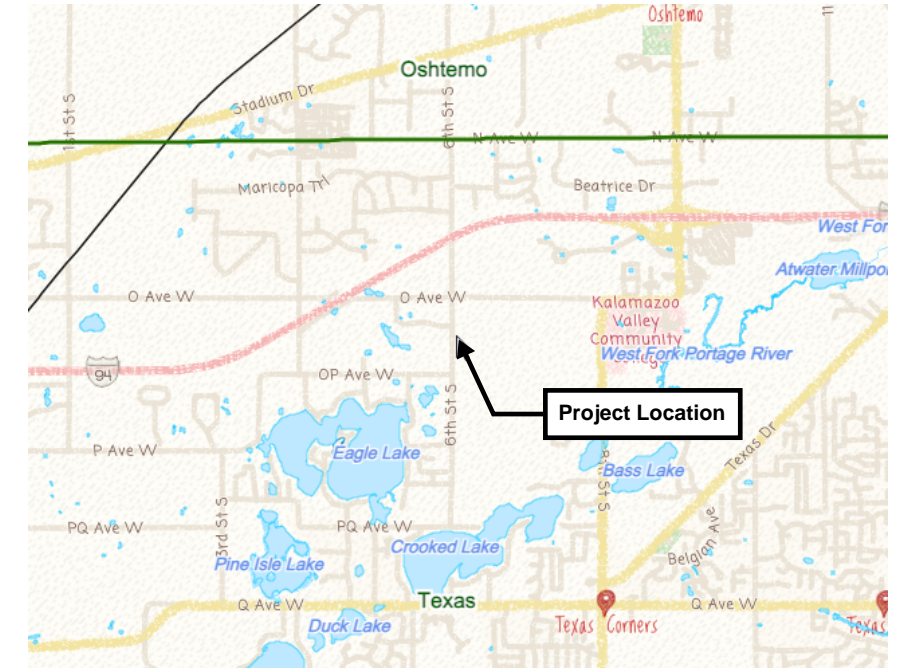
SPRINKLER SYSTEM LAYOUT

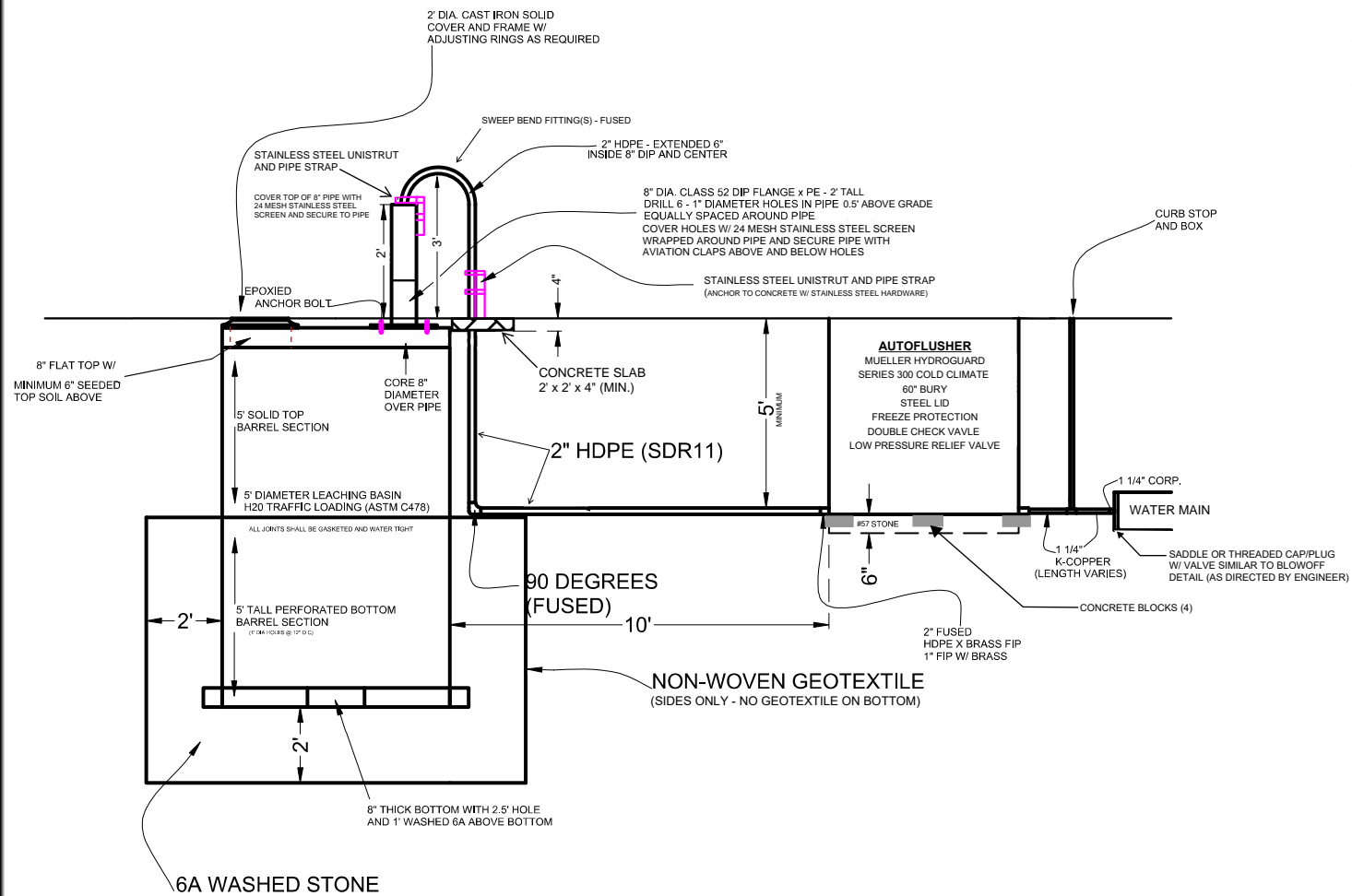
- Construction Notes:**
- 1) Perform all work in accordance with City of Kalamazoo Standard Specifications for Water Main and Service Installation 2021
 - 2) Contractor to supply all materials, labor, equipment, traffic control and SESC Measures
 - 3) Restore Site to existing or better conditions
 - 4) Maintain access to adjoining properties at all times
 - 5) Do NOT leave excavations opened overnight
 - 6) Tree trimming shall be incidental - **Tree Removals Not Allowed!**
 - 7) Asphalt and/or concrete removal and restoration shall be incidental
 - 8) Existing utility locations are approximate and should only be used for general reference. Contractor is responsible for contacting MISSDIG prior to beginning work and ensuring existing public and private utilities are located and not damaged, including but not limited to: irrigation, sprinkler, electrical, etc.. Contractor is responsible for repairing any damaged utilities, even if not depicted on the plans.
 - 9) **CONTRACTOR SHALL VACCUM EXCAVATE ALL EXCAVATIONS TO LOCATE AND EXPOSE EXISTING PUBLIC AND PRIVATE UTILITIES!!!**

**CITY OF KALAMAZOO
AUTO FLUSHER PROJECT
SHEET 3 OF 6**

Construction Notes:

- 1) Perform all work in accordance with City of Kalamazoo Standard Specifications for Water Main and Service Installation 2021 and RCKC permit requirements
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- 3) Restore Site to existing or better conditions
- 4) Maintain access to adjoining properties at all times
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- 8) Existing utility locations are approximate and should only be used for general reference. Contractor is responsible for contacting MISSDIG prior to beginning work and ensuring existing utilities are not damaged. Contractor is responsible for repairing any damaged utilities, even if not depicted on the plans.

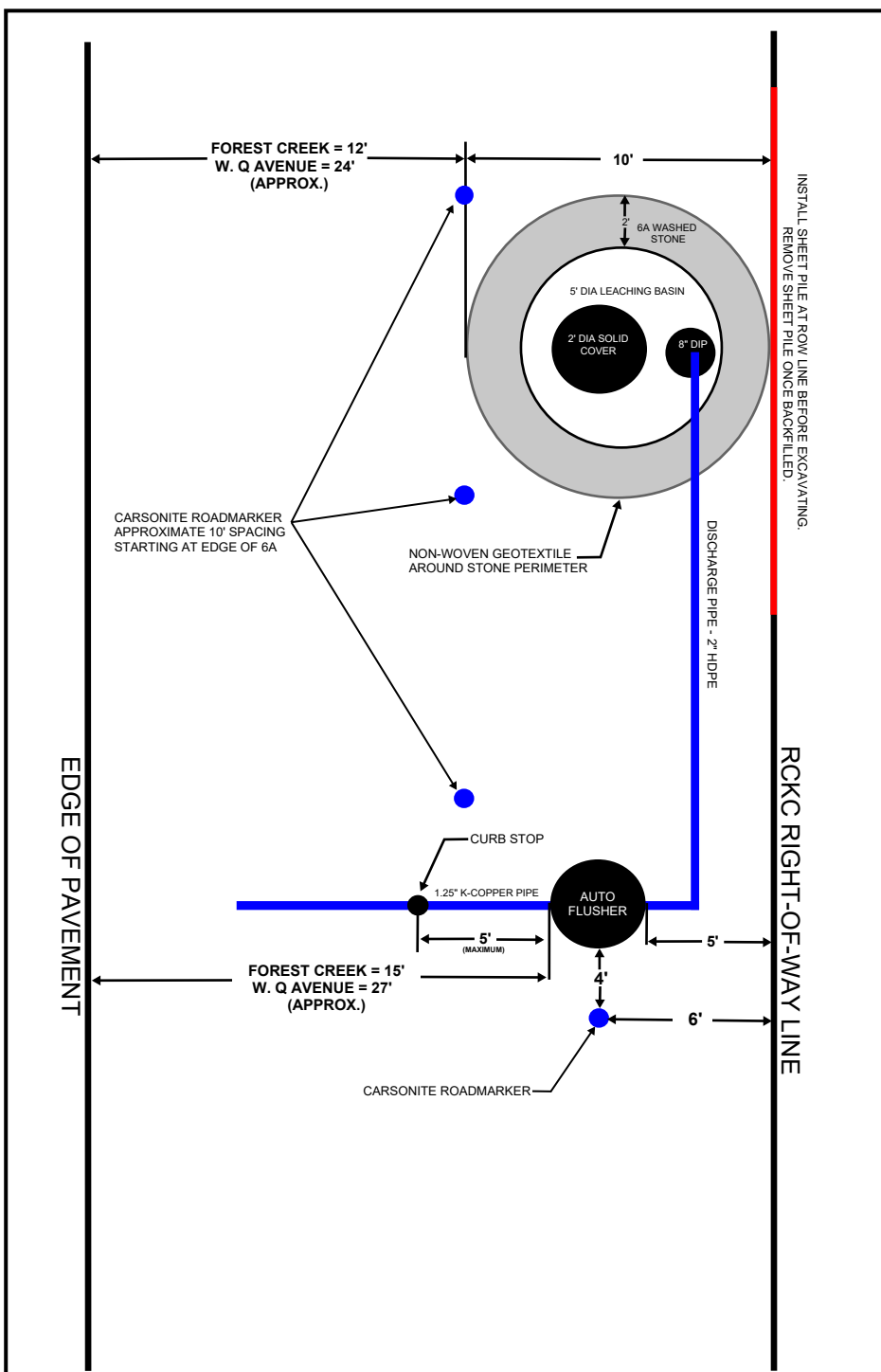




NOT TO SCALE

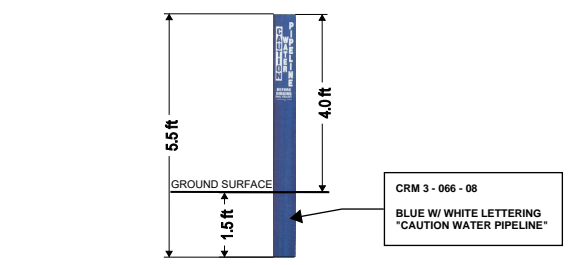
THIMBLEWEED (EXCEPTION SEE SHEET 3)
 -INSTALL 2 FT DIA X 5 FT DEEP SOLID DR STRUCTURE INSTEAD OF LEACHING BASIN
 -CONNECT DR STRUCTURE TO EXSTING CATCH BASIN USING 6" SCH40 PVC
 -SLOPE 6" PVC TO DRAIN TO EXISTING CB
 -SEAL WITH KOR-N-SEAL BOOT AND GROUT
NO CASTING

	CITY OF KALAMAZOO Department Of Public Services	RECOMMENDED BY _____	DATE _____
	<h1>AUTO-FLUSHER</h1>	APPROVED BY _____	
		APPROVED BY _____	
		ACCEPTED BY _____	

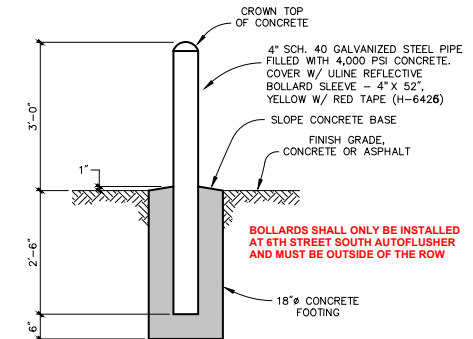


Not to Scale *ADJUST K-COPPER LENGTHS SPECIFIED ON SHEETS 1 AND 2 AS NECESSARY TO ACCOMODATE THIS DETAIL*

AUTO-FLUSHER PLAN VIEW FOR THOSE PLACED WITHIN RCKC RIGHT-OF-WAY

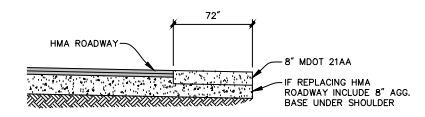


CARSONITE ROADMARKER DETAIL



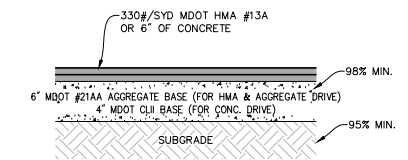
PIPE BOLLARD DETAIL

BOLLARDS SHALL NOT BE INSTALLED WITHIN RCKC ROW



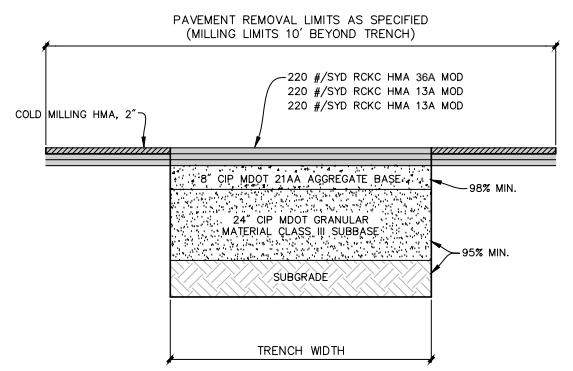
AGGREGATE SHOULDER DETAIL

SCALE : NONE



DRIVEWAY SECTION

SCALE : NONE

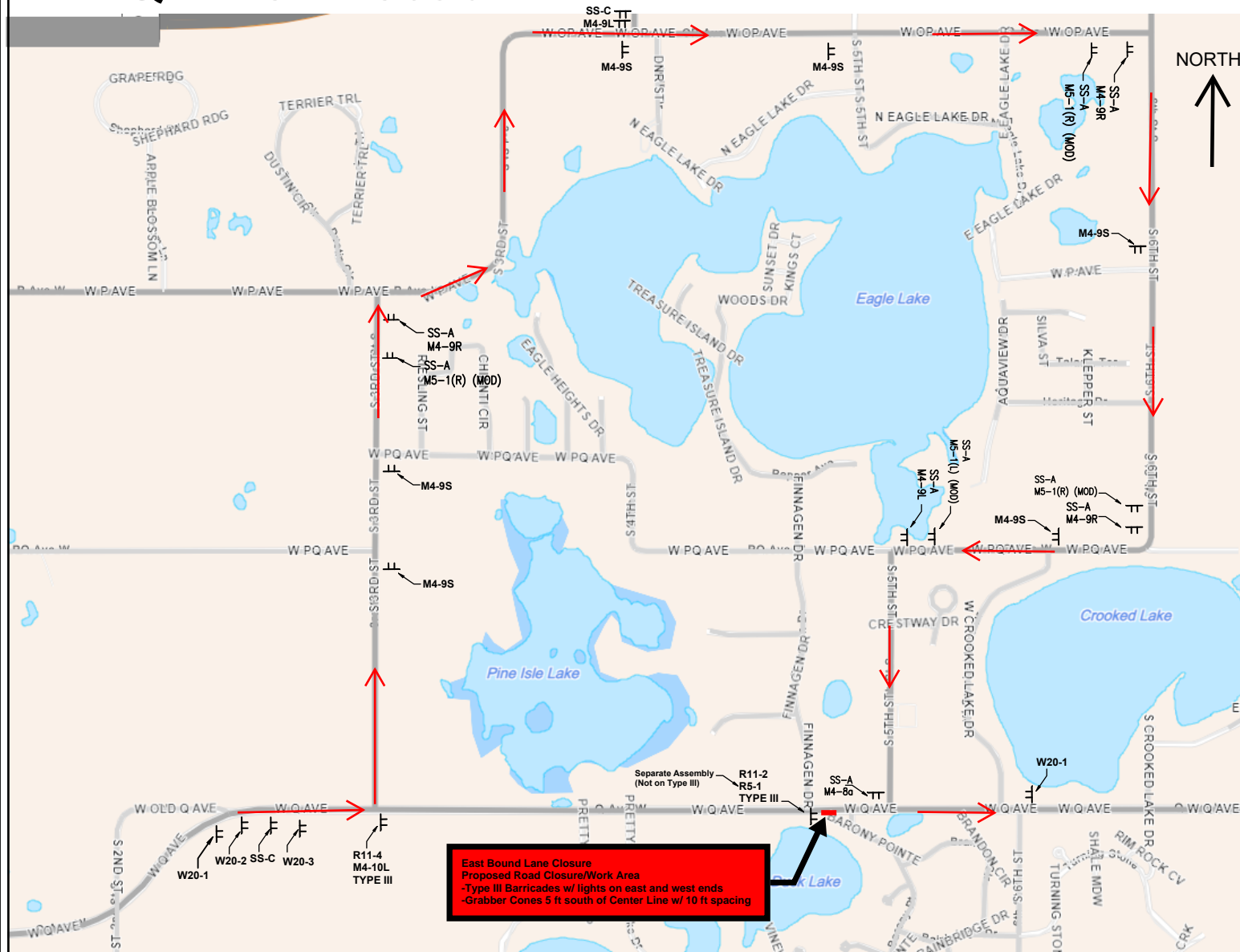


ROAD HMA SECTION

SCALE : NONE

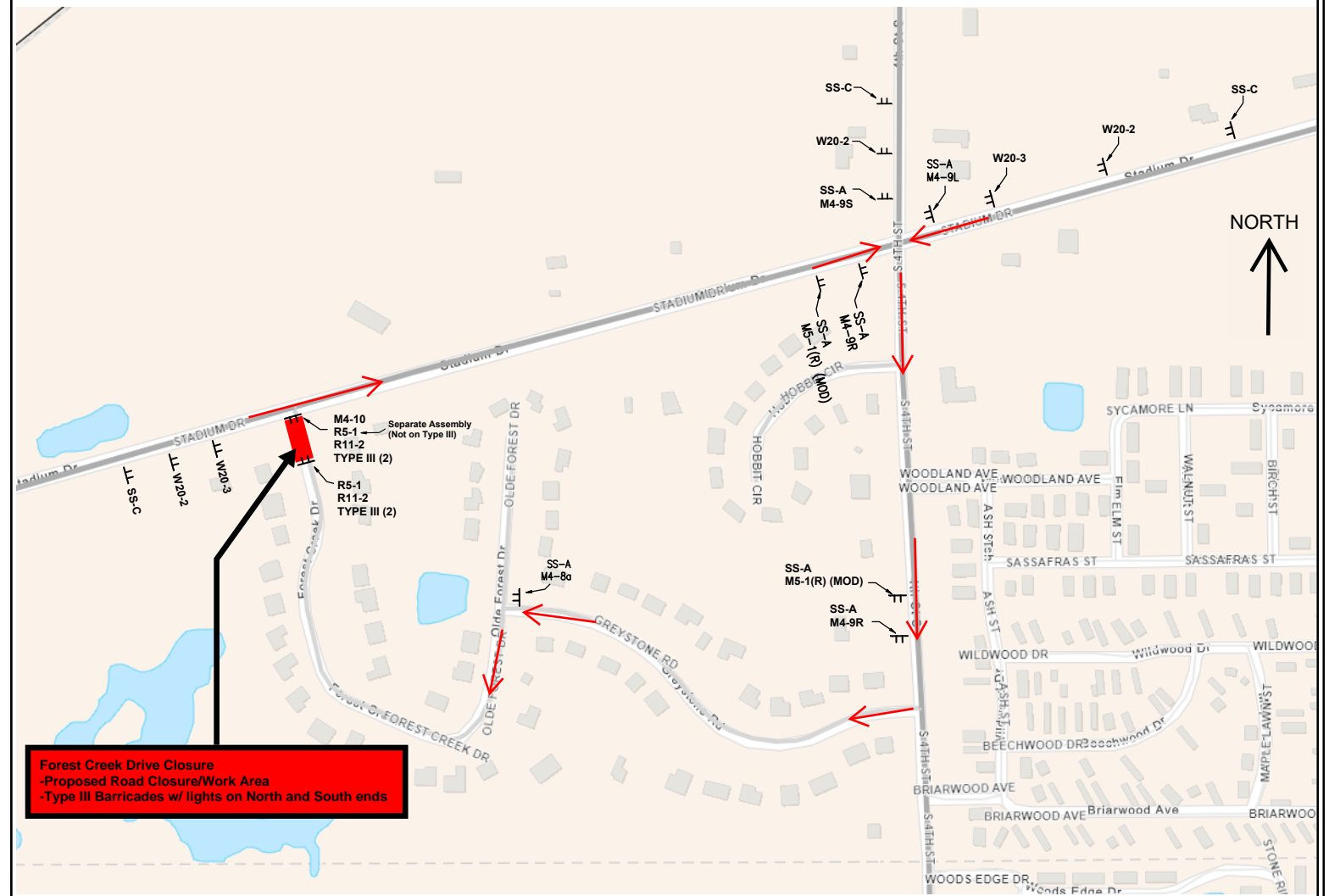
CITY OF KALAMAZOO AUTO FLUSHER PROJECT SHEET 5 OF 6

W. Q Ave. Detour



	M4-8a	24"x18"		R11-4	60"x30"
	M4-9L	30"x24"		W20-1	48"x48"
	M4-9R	30"x24"		W20-2	48"x48"
	M4-9S	30"x30"		W20-3	48"x48"
	M4-10L	48"x18"		SS-A	24"x12"
	M5-1(L) (MOD)	30"x21"		SS-C	66"x36"
	M5-1(R) (MOD)	30"x21"			
	R5-1	48"x48"			
	R11-2	48"x30"			

Forest Creek Drive Detour



	M4-8a	24"x18"		R11-4	60"x30"
	M4-9L	30"x24"		W20-1	48"x48"
	M4-9R	30"x24"		W20-2	48"x48"
	M4-9S	30"x30"		W20-3	48"x48"
	M4-10L	48"x18"		SS-A	24"x12"
	M5-1(L) (MOD)	30"x21"		SS-C	66"x36"
	M5-1(R) (MOD)	30"x21"			
	R5-1	48"x48"			
	R11-2	48"x30"			

ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS AND BARRICADES SHALL MEET THE "ACCEPTABLE" REQUIREMENTS OF AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), "QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES - CURRENT EDITION". COPIES OF THIS PUBLICATION ARE AVAILABLE DIRECTLY FROM ATSSA. ALL TRAFFIC CONTROL DEVICES SHALL BE IN LIKE-NEW CONDITION.

TEMPORARY SIGNS SHALL BE SPACED A MINIMUM OF 250' APART, OR AS DIRECTED BY THE ENGINEER.

ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE 2011 MMUTCD. ALL CONSTRUCTION SIGNING SHALL BE BLACK LETTERS ON FLORESCENT ORANGE BACKGROUND UNLESS SPECIFIED OTHERWISE.

THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL TRAFFIC CONTROL DEVICES WITHIN THE PROJECT LIMITS. ANY TRAFFIC CONTROL DEVICES DAMAGED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR WILL BE CHARGED FOR ANY DAMAGED TRAFFIC CONTROL DEVICES DUE TO THE CONTRACTOR'S OPERATION, WHICH ARE REPAIRED OR REPLACED BY RCKC.

**CITY OF KALAMAZOO
AUTO FLUSHER PROJECT
SHEET 6 OF 6**