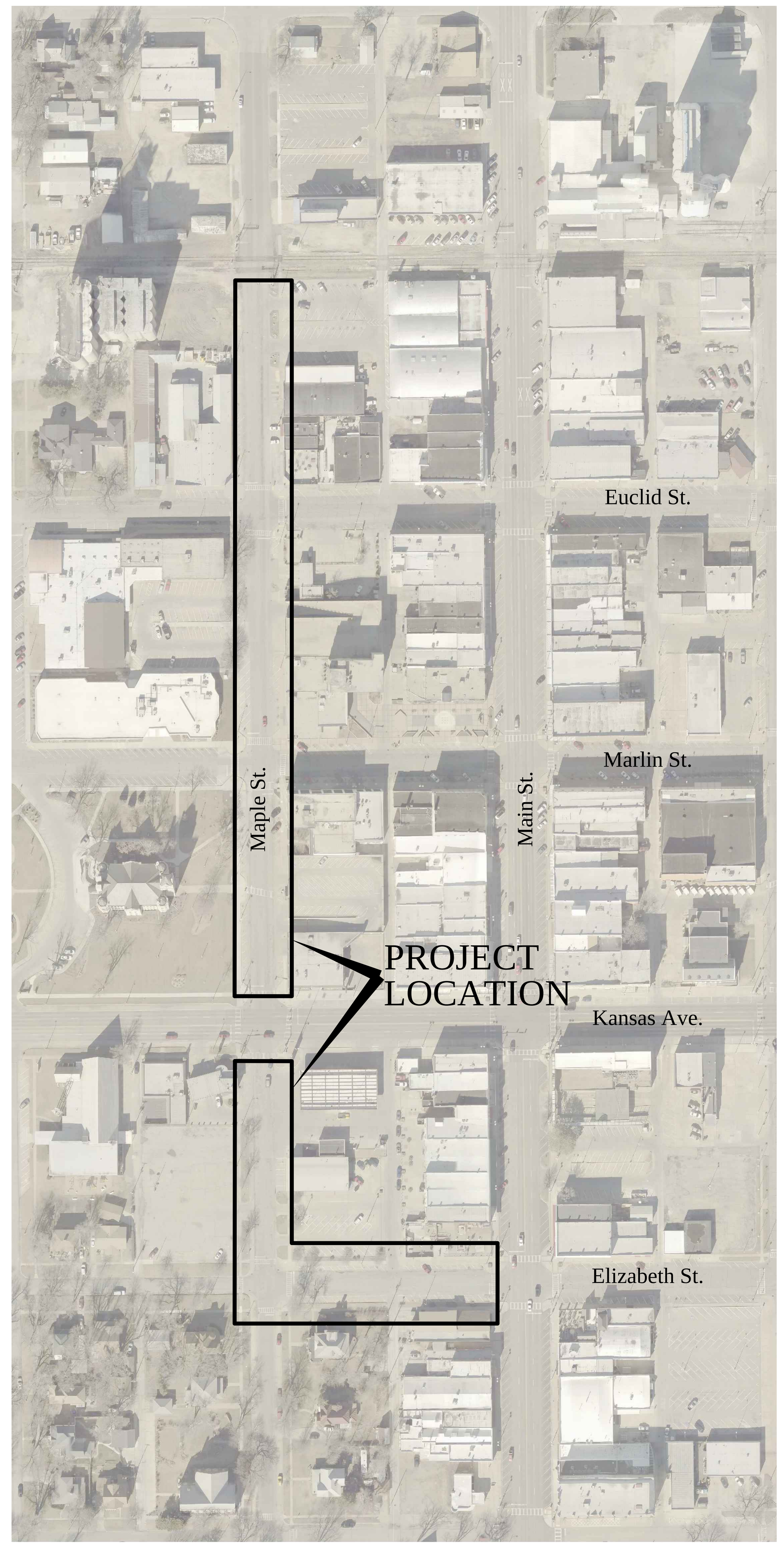
MAPLE STREET SURFACE REPLACEMENT

McPHERSON, KANSAS

EARLES ENGINEERING & INSPECTION, INC.
Engineers – Surveyors – Construction Inspectors
115 W. Iron
Salina, Kansas 67401
211 North Kansas
Liberal, Kansas 67901

Project Number: 15-25

INDEX TO SHEETS



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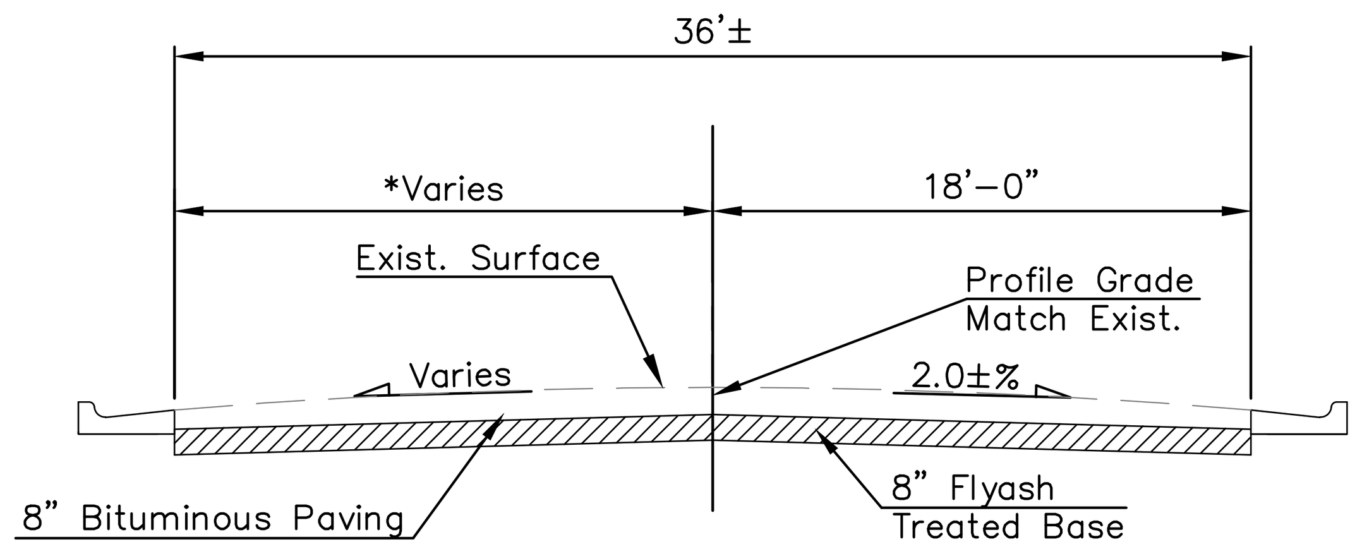
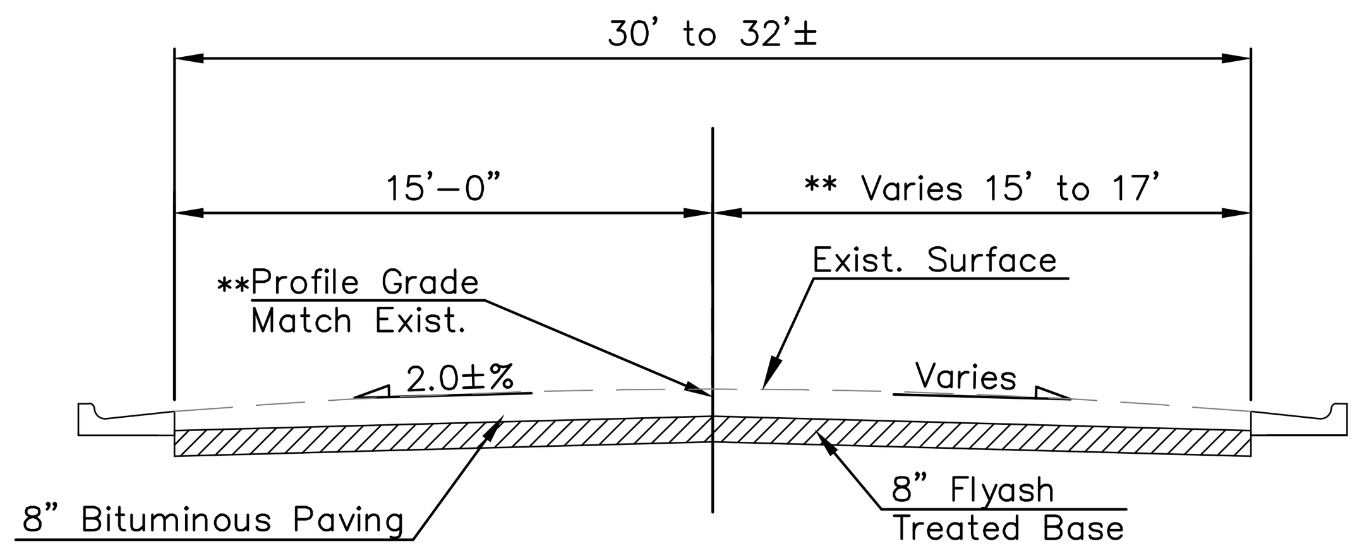
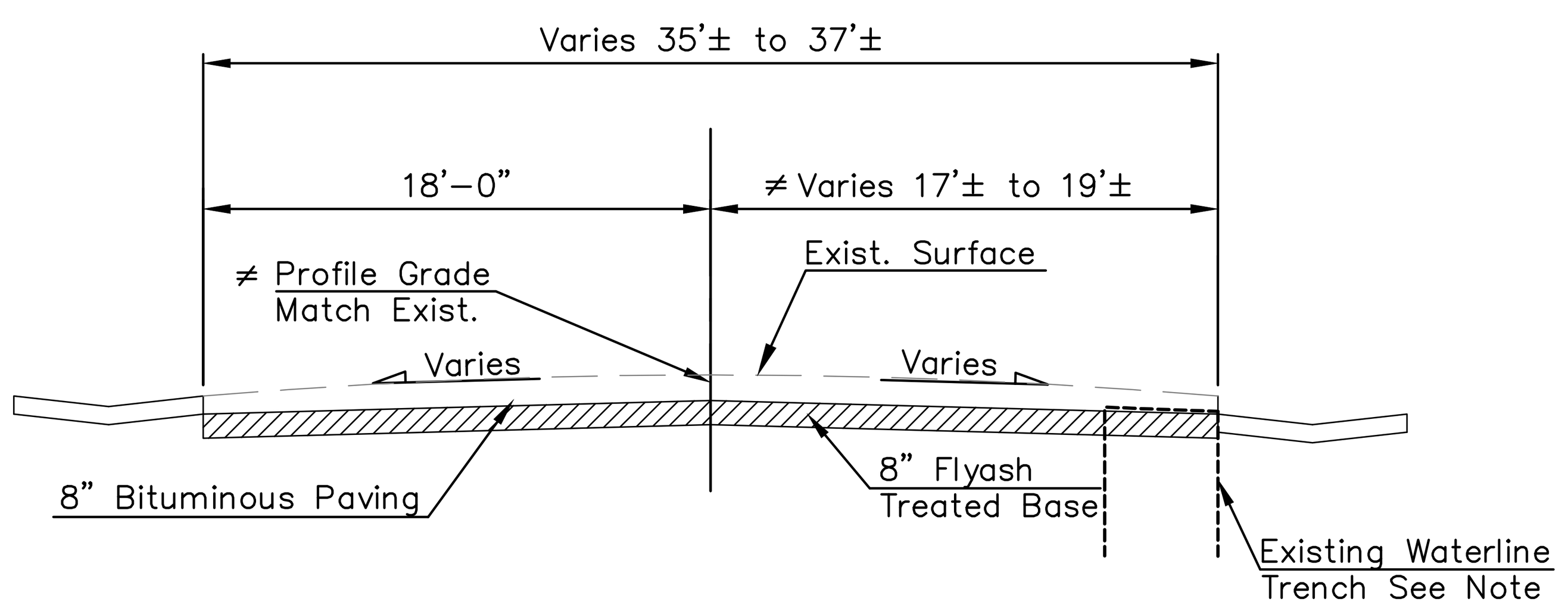


TYPICAL SECTION – STA 10+00 to 13+87
ELIZABETH STREET
Not To Scale



TYPICAL SECTION – STA 30+00 to 30+76
MAPLE STREET SOUTH OF KANSAS AVE.
Not To Scale



TYPICAL SECTION – STA 40+00 to 50+89
MAPLE STREET NORTH OF KANSAS AVE.
Not To Scale

NOTES

* Sta 10+00 to 13+88 Elizabeth St. centerline established by offsetting 18' from the South toe of curb line at the locations shown on the plan & profile sheets. Profile is set approximately 2% cross slope (0.36') above South to of curb.

** Sta 30+00 to 33+76 Maple St. South of Kansas Ave. centerline established by offsetting 15' from the West toe of curb line at the locations shown on the plan & profile sheets. Profile is set approximately 2% cross slope (0.30') above West to of curb.

≠ Sta 40+00 to 50+89 Maple St. North of Kansas Ave. centerline established by offsetting 18' from the West toe of curb line at the locations shown on the plan & profile sheets. The profile for the street was set for a best fit based on the toe of curb as shown on the profiles. Cross slope will varie from centerline shown to the toe of existing curb line.

GENERAL NOTES

There is an existing waterline trench that runs most of the length of the project. The approximate limits of the trench are shown on the drawings. The pavement patch for the trench was 6" of concrete with an asphalt overlay. The pay item for removal of the trench patch will be concrete pavement full depth removal. If the patch is removed by milling with the rest of the asphalt pavement—the millings can be hauled to the McPherson waste water plant and stored at locations designated by the city.

If the trench patch is removed by breaking the pavement and removing the concrete/ asphalt pavement in rubble. The rubble shall be disposed of at locations provided by the contractor off of the project. The city will take clean concrete rubble free of asphalt or reinforcing steel wire at the wastewater treatment plant.

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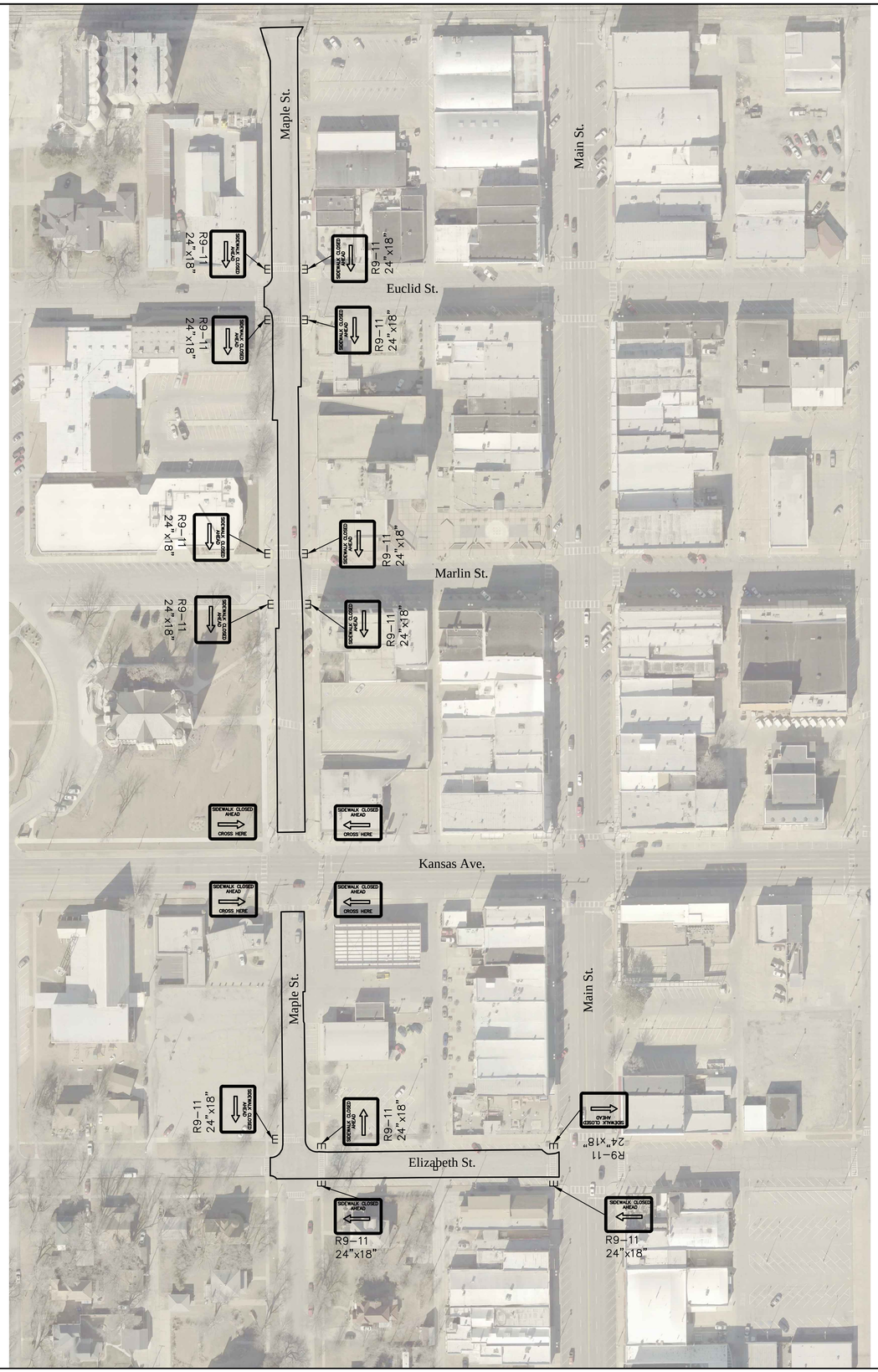
Email: earlesinc@earleseng.com

DESIGN: GDK	TYPICAL SECTIONS AND DETAILS
DRAWN BY: JMR	
CHECKED BY: JSM	
DATE: 7-14-15	
FILE NO: 15-25	
SHEET 2 OF 9	McPherson, KS

EARLES ENGINEERING & INSPECTION, INC.
Engineers – Surveyors – Construction Inspectors
Filename: Maple St. Master
Last Revision:
Project: 15-25
Description: Maple St. Surface Replacement
Title: Typical Section
Path: F:\...\2015\15-25



SCALE: 1" = 80'

GENERAL NOTES

1. The CONTRACTOR shall erect warning signs, flashing lights, and barricades in compliance with the Manual on Uniform Traffic Control Devices to ensure safety.

2. The CONTRACTOR will be required to notify all of the utility companies prior to the beginning of construction and should request that any existing lines be flagged.

3. The utilities (water, gas, telephone, electrical, etc.) as located on the plans, are approximate locations only. The CONTRACTOR shall exercise extreme caution to avoid damaging these lines. If any lines are damaged, they shall be replaced at the CONTRACTOR'S expense.

4. The CONTRACTOR shall notify the utility companies 24 hours prior to the beginning of any construction work near buried utility lines.

5. Positive drainage shall be provided for all areas on or near spoil areas. Natural drainage ways shall be maintained. Spoils shall not be stored at project site.

6. Asphalt Pavement shall be milled and the millings delivered to the McPherson Waste Water Treatment Site. The Millings will remain the property of the City of McPherson.

7. Clean concrete Rubble can be delivered to the McPherson Waste Water Treatment Site and stockpiled at locations as directed by the City. Concrete Rubble with dirt or asphalt mixed with it shall be disposed of offsite at locations provided by the contractor.

8. Excess dirt excavation that is clean dirt can be stockpiled at the McPherson Waste Water Treatment Site at locations as directed by the City. Dirt with concrete rubble or asphalt mixed with it shall be disposed of offsite at locations provided by the contractor.

GENERAL NOTES

All traffic and road closings shall be in accordance with the Manual of Uniform Traffic Control Devices.

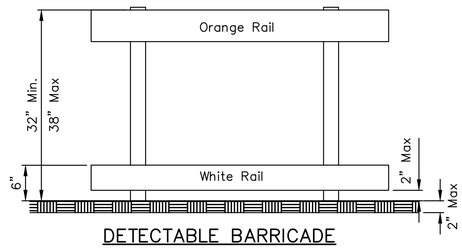
1. Maple & Elizabeth Streets will be closed during construction.

2. To the extent possible the east west streets shall be kept open to cross traffic by providing temporary driving surfacing with Millings to allow traffic to cross. The east west cross streets will be closed during the fly ash stabilization of the sub base to allow for more uniform mixing and curing of the subgrade.

3. During the Paving operations, the contractor shall close two consecutive east west cross streets.

LEGEND

UGT	Existing Underground Telephone
UTV	Existing Underground Cable Television
UGE	Existing Underground Electrical
Gas	Existing Gas Line
W	Existing Water Line
SS	Existing Sanitary Sewer Line
STM	Existing Storm Sewer Line
	Existing Water Valve
	Existing Fire Hydrant
WM	Existing Water Meter
	Existing Manhole



DETECTABLE BARRICADE

NOTES:

1. Support device shall not project beyond the detection plate into the pathway.
2. Barricades shall be used to close the entire width of the pathway.
3. Do not use warning lights on pedestrian barricades.
4. Do not use warning lights on audibles devices.

GLENN DAVID KNOX — 15/15 — KANSAS PROFESSIONAL ENGINEER

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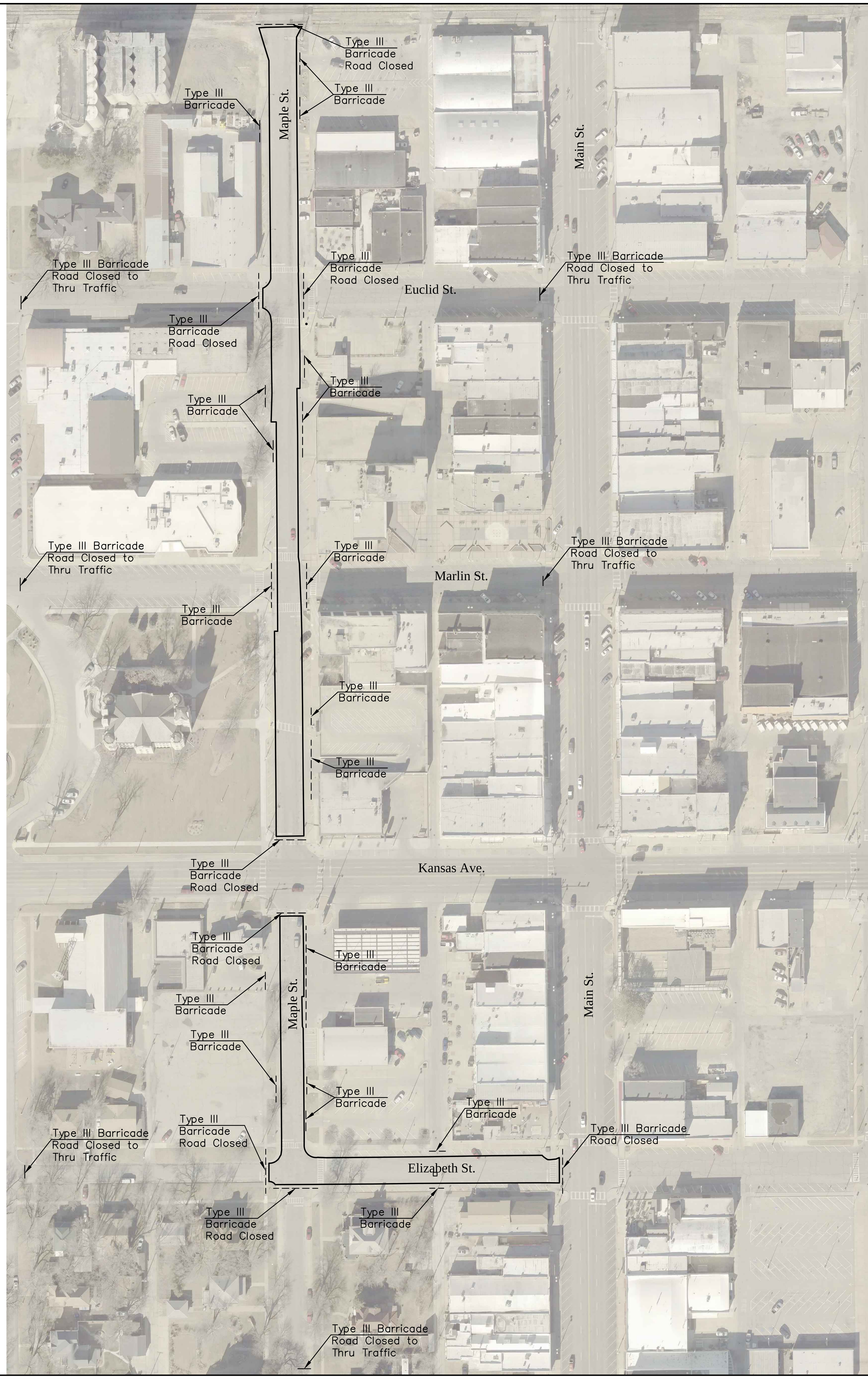
DESIGN: GDK	PEDESTRIAN TRAFFIC CONTROL PLAN
DRAWN BY: JMR	
CHECKED BY: JSM	
DATE: 7-12-15	
FILE NO: 15-25	
SHEET 3 OF 9	McPherson, KS

EARLES ENGINEERING & INSPECTION, INC. Engineers – Surveyors – Construction Inspectors
Filename: Maple St. Master
Last Revision:
Project: 15-25
Description: Maple St. Surface Replacement
Title: Traffic Control
Path: F:\...2015\15-25\

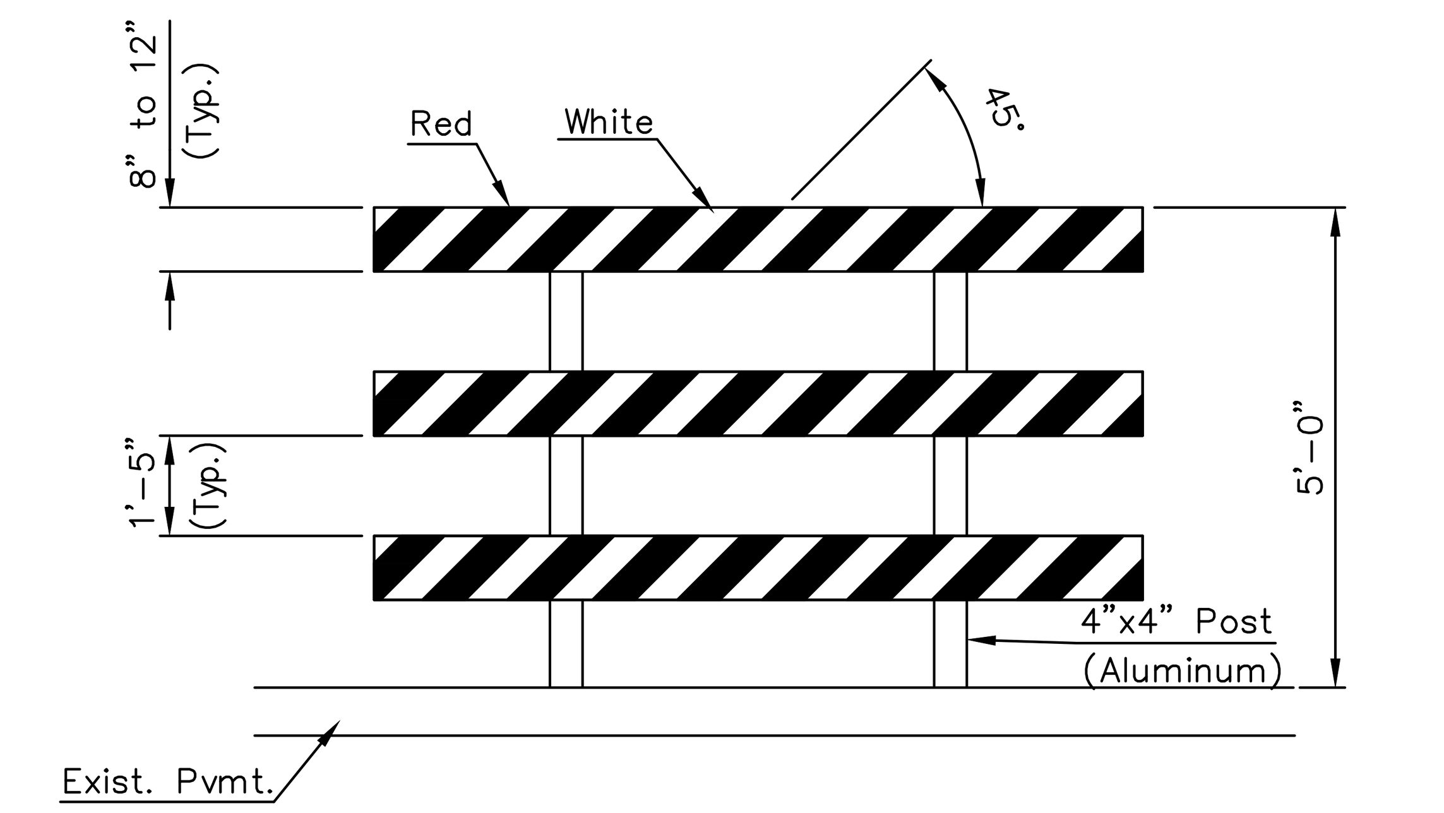


R11-2
48"x 30"

TYPE III BARRICADE ROAD CLOSED

R11-4
30"x 60"

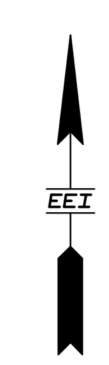
TYPE III BARRICADE ROAD CLOSED TO THRU TRAFFIC



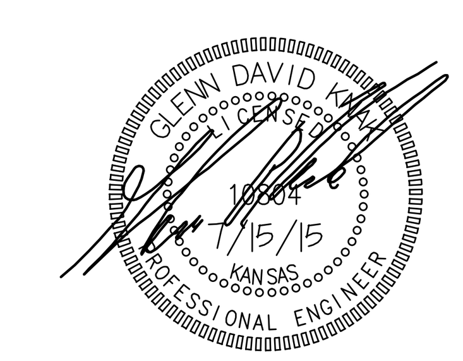
- For Wooden Barricades, Normal lumber dimensions will be satisfactory.
- The entire area of barricade rails shall be fully reflectorized with Type II High Performance Retro-reflective Sheeting.
- All traffic control devices, their installation and maintenance shall comply with the requirements of the Manual on Uniform Traffic Control Devices for Streets and Highways.

TYPE III BARRICADE

Not To Scale



SCALE: 1" = 80'



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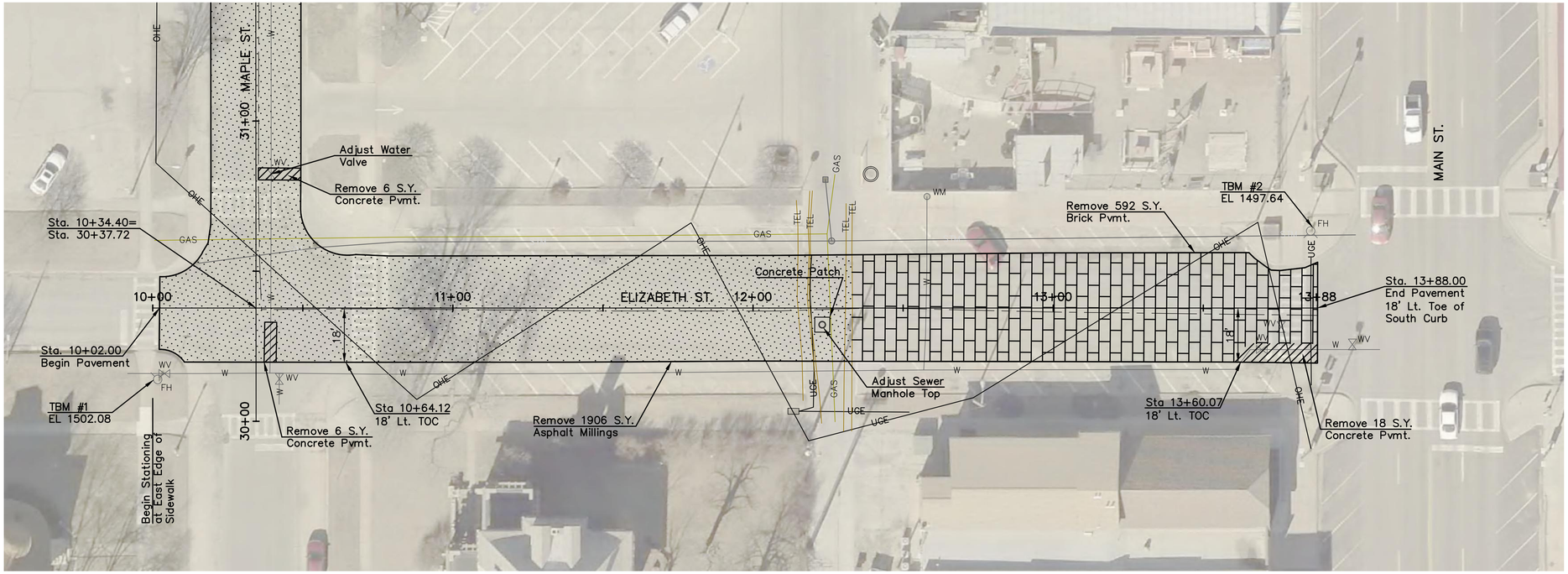
DESIGN: GDK	TRAFFIC CONTROL PLAN
DRAWN BY: JMR	
CHECKED BY: JSM	
DATE: 7-14-15	
FILE NO: 15-25	
SHEET 4 OF 9	McPherson, KS

EARLES ENGINEERING & INSPECTION, INC.
Engineers – Surveyors – Construction Inspectors
Project: 15-25
Description: Maple St. Surface Replacement
Filename: Maple St. Master
Title: Traffic Control
Last Revision:
Path: F:\...\2015\15-25

EARLES ENGINEERING & INSPECTION, INC.
Engineers – Surveyors – Construction Inspectors

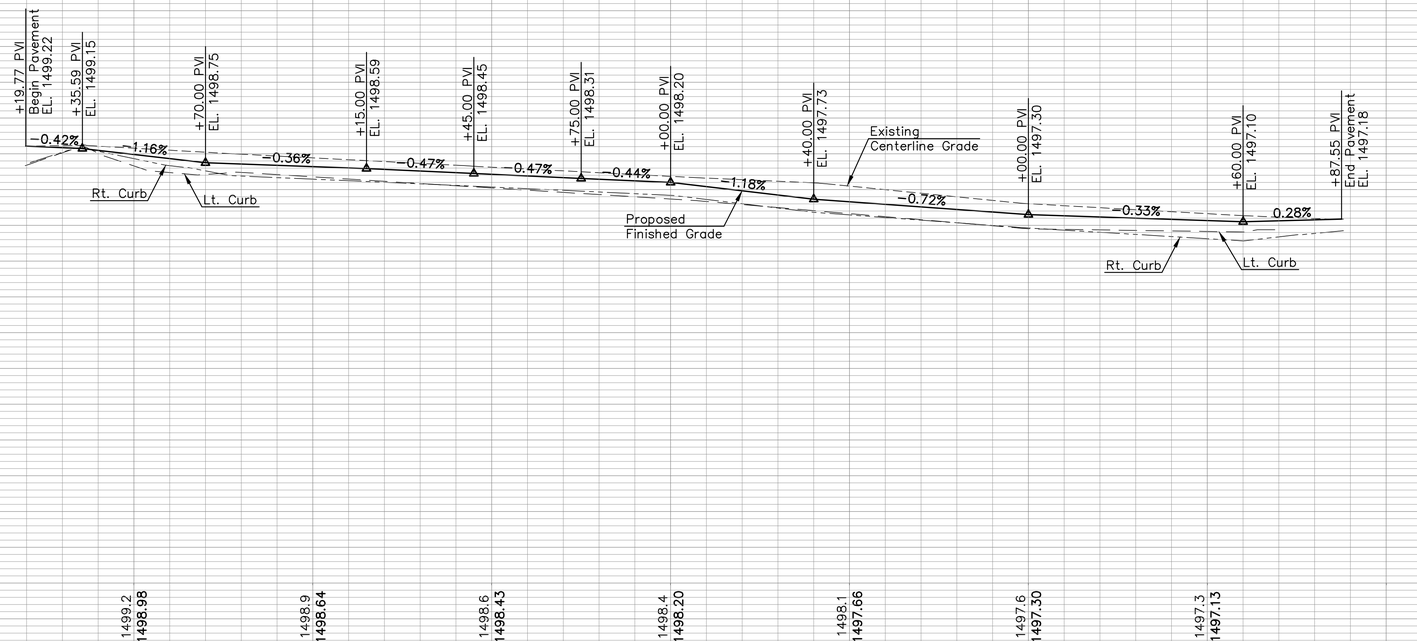
Last Revised On Date:	7-14-15	Drawn By:	AWB/JMR	Approved By:	GDK



REMOVAL LEGEND

- Mill Existing Asphalt Pavement Full Depth
- Concrete Removal Full Depth
- Brick Pavers with Asphalt Overlay Removal Full Depth

SCALE:
PLAN: 1" = 20'
PROFILE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



Project:	15-25
Description:	Maple St. Re-Surfacing
Title:	Elizabeth St. P&P
Path:	F:\...\2015\15-25
Filename:	Maple St. Master
Last Revision:	

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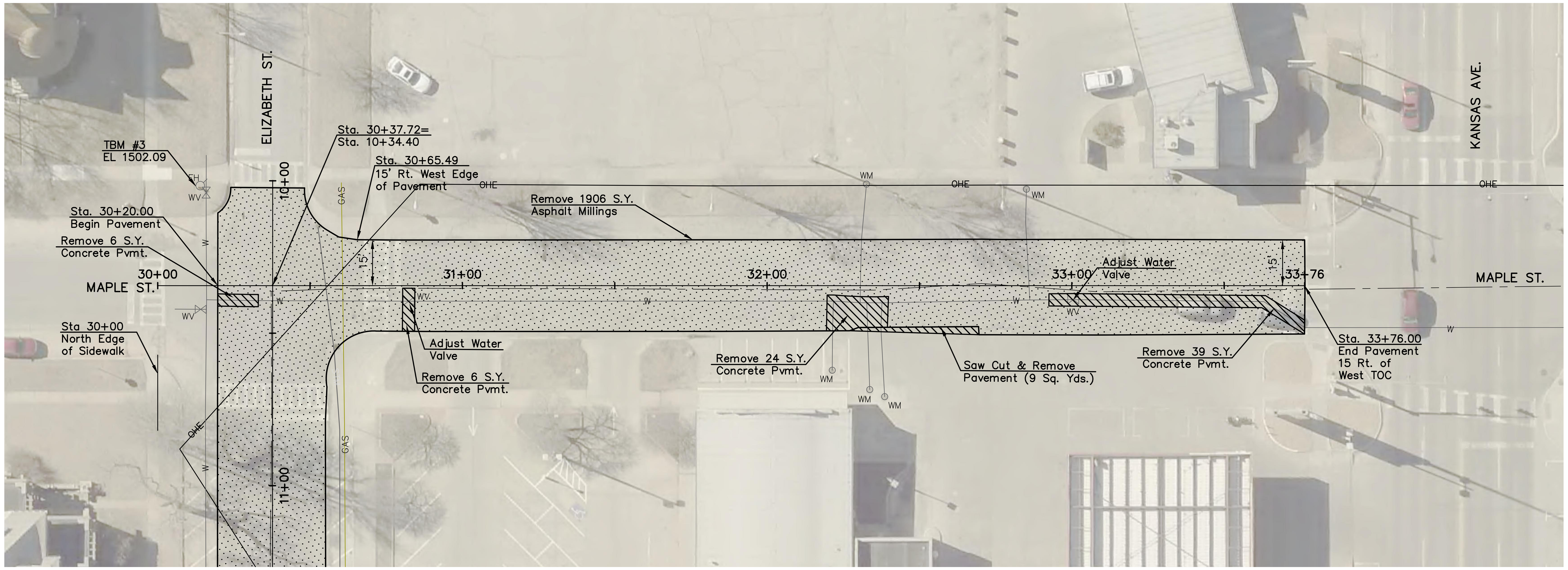
Last Revised On Date: 7–14–15 | Drawn By: AWB/JMR | Approved By: GDK



REMOVAL LEGEND

Mill Existing Asphalt Pavement Full Depth

Concrete Removal Full Depth

SCALE:
PLAN: 1" = 20'
PROFILE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

MAPLE ST. PP1

Project: 15–25
Description: Maple St. Re–Surfacing
Title: Elizabeth St. P&P
Path: F:\...\2015\15–25

EARLES ENGINEERING & INSPECTION, INC.
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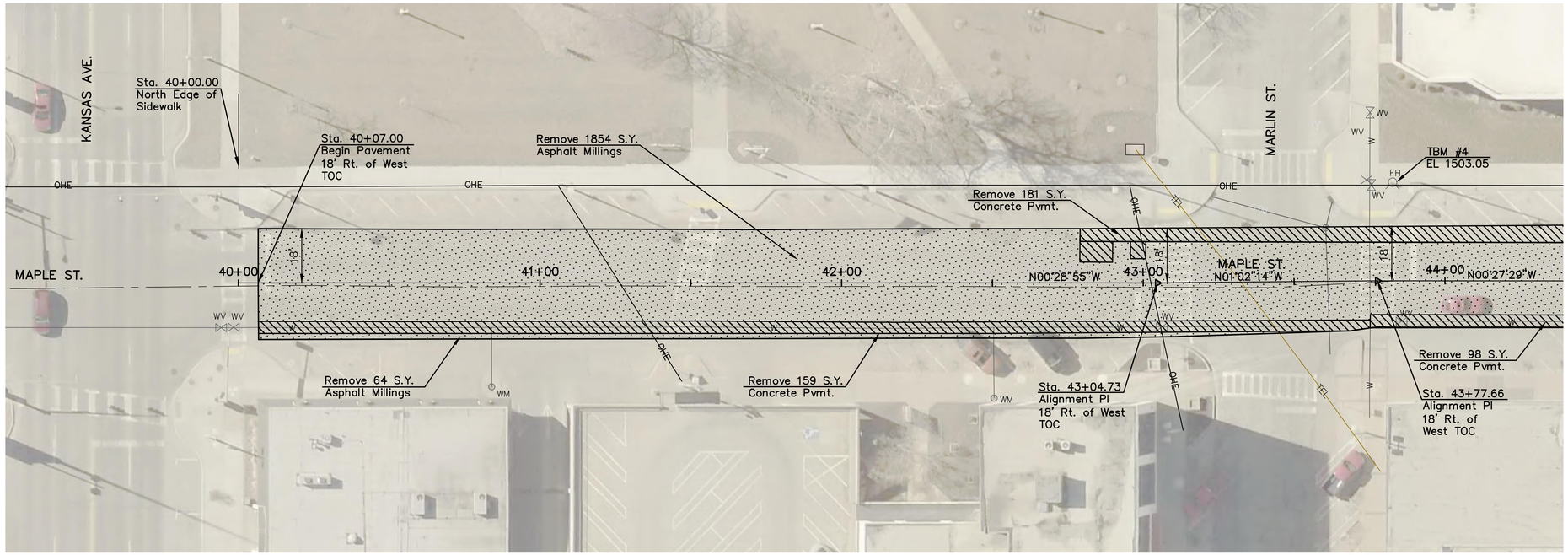
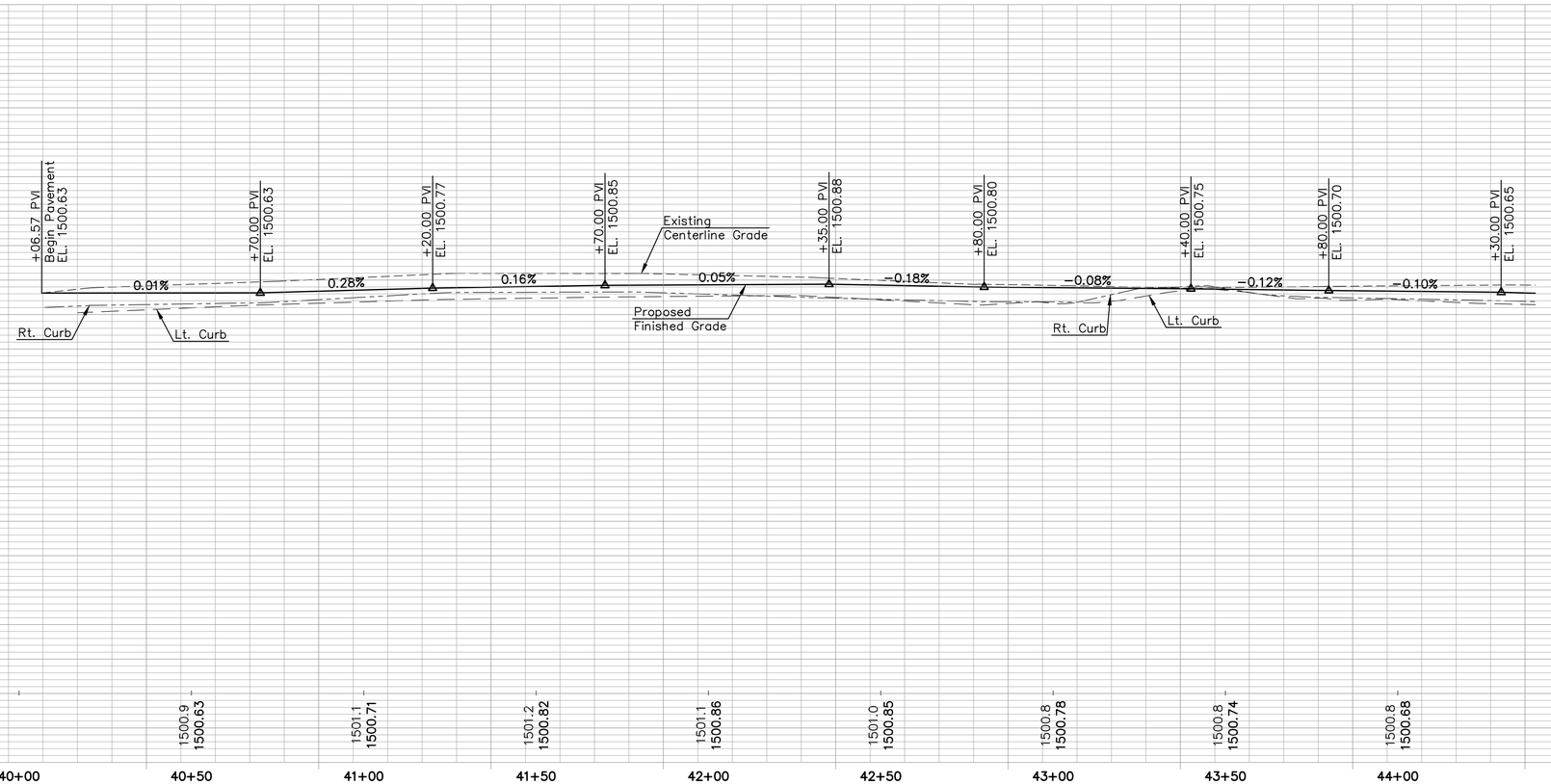


REMOVAL LEGEND

- Mill Existing Asphalt Pavement Full Depth
- Concrete Removal Full Depth

SCALE:
PLAN: 1" = 20'
PROFILE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'



MAPLE ST. PP2

Sht. 7 of 9

Project: 15-25
Description: Maple St. Re-Surfacing
Title: Elizabeth St. P&P
Path: F:\...\2015\15-25
Filename: Maple St. Master
Last Revision:

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Engineers – Surveyors – Construction Inspectors

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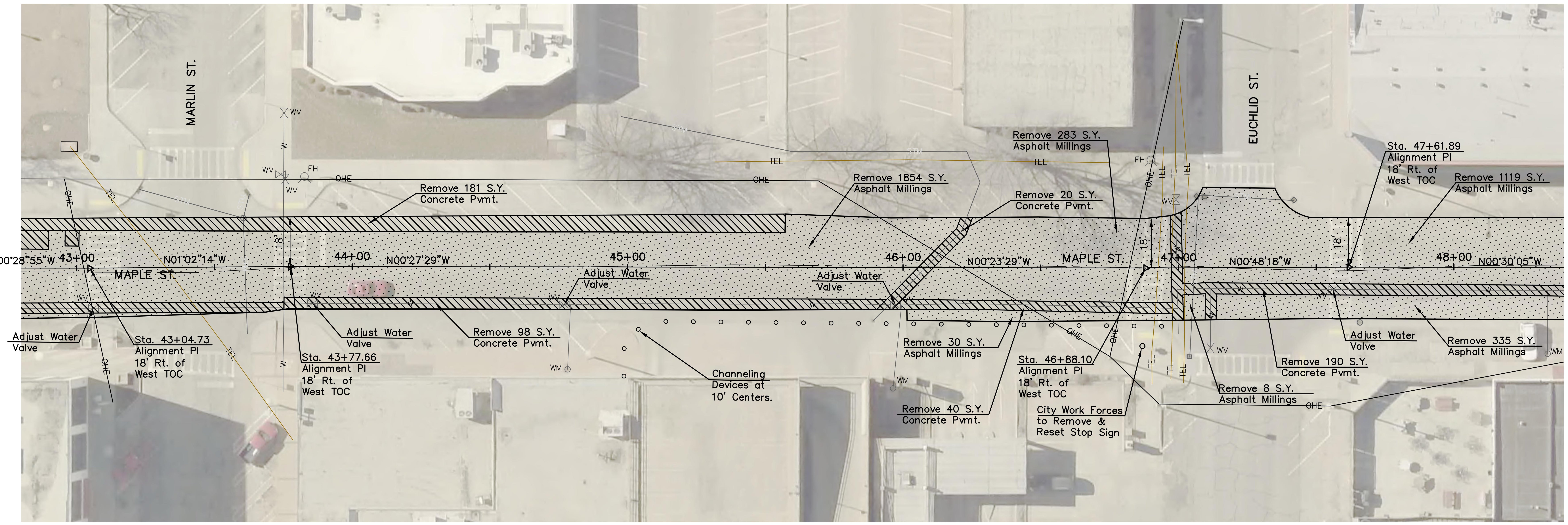

REMOVAL LEGEND

- Mill Existing Asphalt Pavement Full Depth
- Concrete Removal Full Depth

GLENN DAVID K... KANSAS PROFESSIONAL ENGINEER 7/15/15

SCALE:
PLAN: 1" = 20'
PROFILE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

MAPLE ST. PP3

Project: 15-25
Description: Maple St. Re-Surfacing
Title: Elizabeth St. P&P
Path: F:\...\2015\15-25

EARLES ENGINEERING & INSPECTION, INC.
Engineers – Surveyors – Construction Inspectors
Filename: Maple St. Master
Last Revision:

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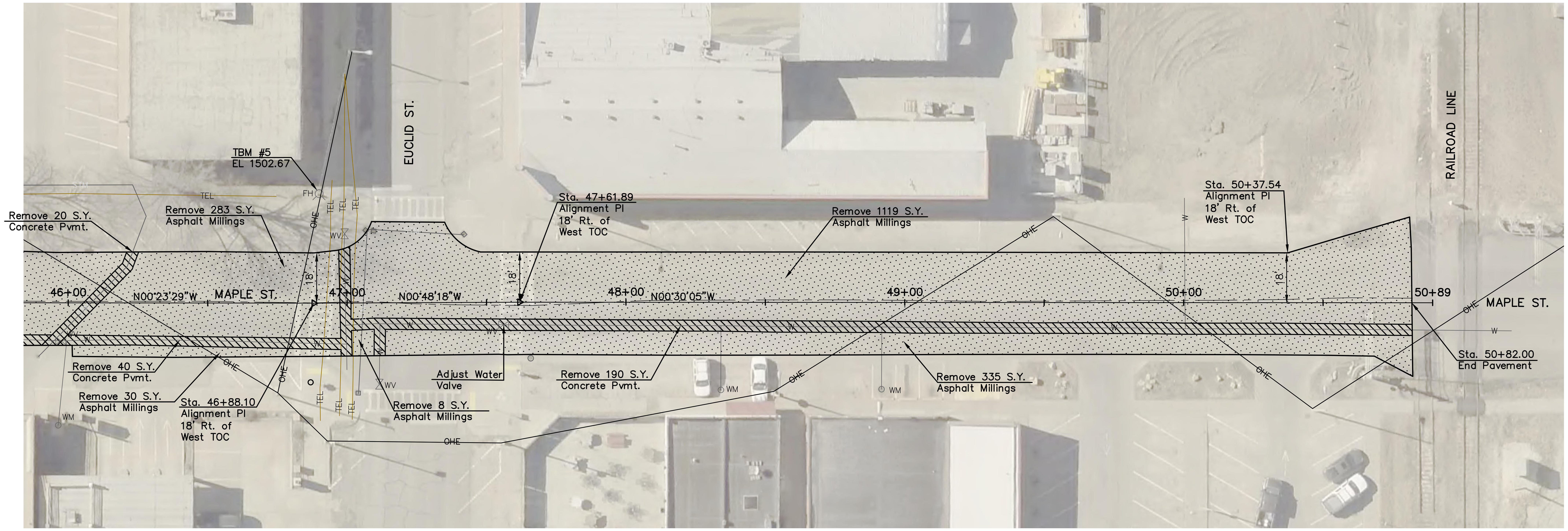
Engineers – Surveyors – Construction Inspectors

Last Revised On Date:	Drawn By:	Approved By:
7-14-15	AWB/JMR	GDK



REMOVAL LEGEND

Mill Existing Asphalt Pavement Full Depth

Concrete Removal Full Depth

SCALE:
PLAN: 1" = 20'
PROFILE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

MAPLE ST. PP4

Project: 15-25
Description: Maple St. Re-Surfacing
Title: Elizabeth St. P&P
Path: F:\...\2015\15-25
EARLES ENGINEERING & INSPECTION, INC.
Engineers – Surveyors – Construction Inspectors
Filename: Maple St. Master
Last Revision: