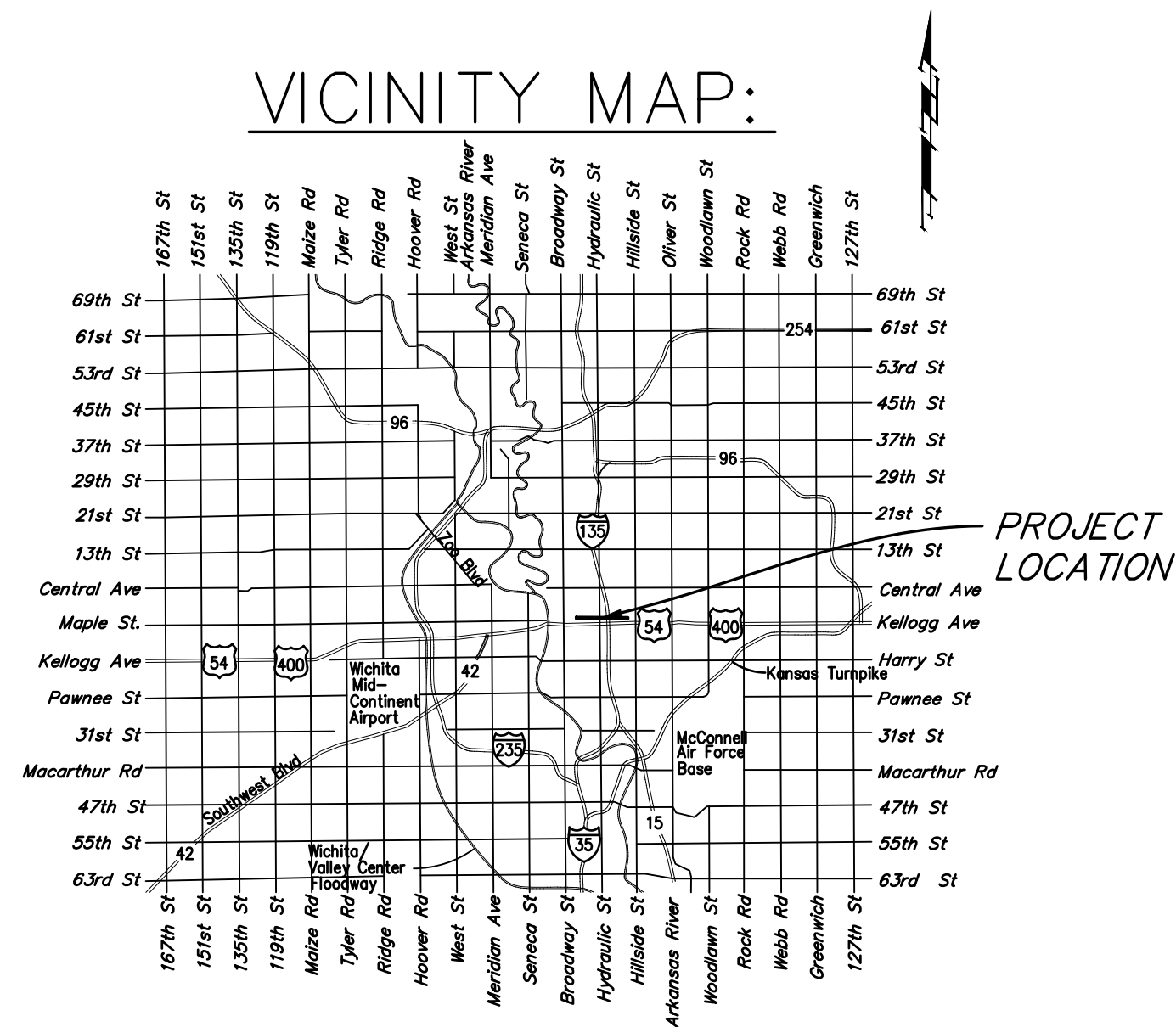


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CONSTRUCTION PLANS FOR PROPOSED DOUGLAS AVE WASHINGTON TO GROVE PILOT PROJECT

FOR
THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS
Paul Gunzelman, P.E. City Engineer

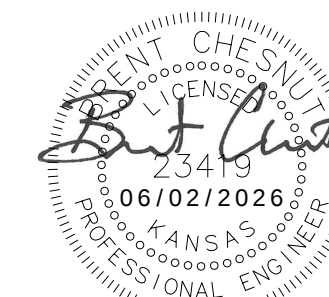
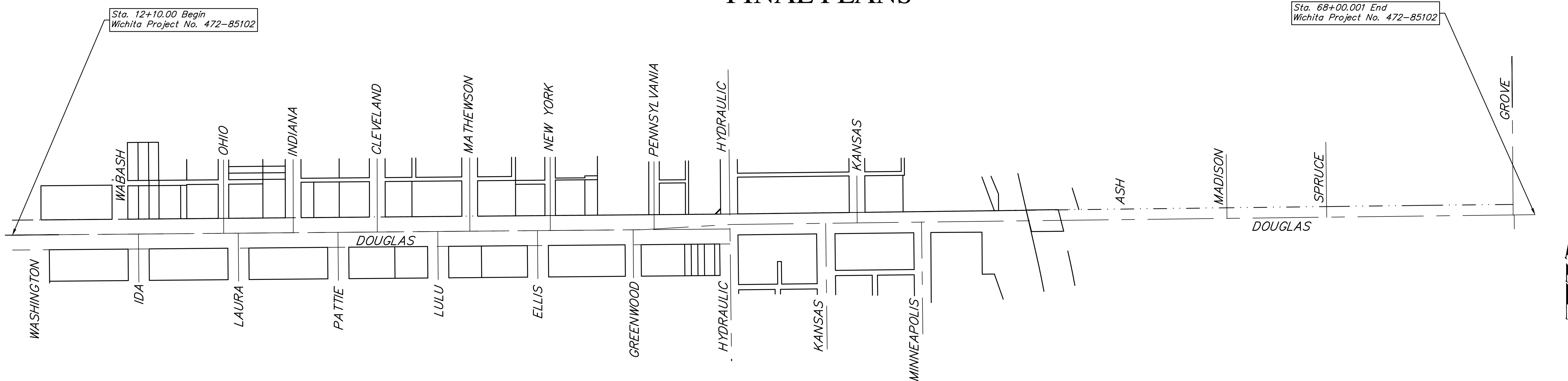
Paving Project
Project Number 472-85102
Org Code 40100713
Munis Number E3022

June 2026

FINAL PLANS

TABLE OF CONTENTS:

1	Title Sheet
2	General Notes
3-6	Pavement Marking Details
7-9	Details



GENERAL NOTES

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City of Wichita Standard Specifications and Special Provisions.*
- The Contractor Shall not begin work on the project until the Project Inspector is assigned and on-site. Any work competed without inspection will be require to be uncovered for inspection at no additional cost to the Owner.*
- Prior to bidding the project, each bidder shall visit the site and satisfy himself of surface & subsurface conditions. Each bidder shall also fully inform himself as to the extent of the scope of work to be performed. Each bidder shall also be aware that no additional compensation will be awarded for extra work that should have been evaluated prior to bidding.*
- Adjacent Buildings, Structures, Parking Lots, Driveways, etc. other than those shown for replacement shall be protected from damage during construction of this Project.*
- All construction equipment, including vehicles, materials, and debris, shall be stored outside the clear zone. Where this cannot be achieved the contractor shall place appropriate signs, object identifiers, and/or barricades in compliance with the latest addition of the MUTCD.*
- Contractor shall deliver all existing traffic signs and traffic signal equipment to the City of Wichita. Contact City Maintenance Facility Staff, Kevin Shore at (316) 268-4033 to arrange delivery.*
- Access to properties shall be maintained at all time during construction.*

PAVEMENT MARKING

- All pavement markings for shall be epoxy, intended to be temporary for a period of at least 6 months.*
- Pavement markings shall be installed per manufacture's recommendations and in accordance with KDOT's latest edition of Standard Specifications.*
- Full traffic may not be restored (and substantial project completion achieved) until all pavement markings are in place.*
- Remove Existing Markings on all pavement that will not be replaced or resurfaced. Removal costs shall be included in the Lump Sum Bid Item 'Pavement Marking Removal'. Pavement Marking Removal quantity has been estimated to be 30,000 LF.*

PROJECT CONTROL

- No direct Project Control has been established within this plan set for this project. Alternatively, the City of Wichita has contracted directly with Engineer, Baughman Company, to provide necessary project surveying / marking for installation of pavement markings and traffic items for this project.*
- Contractor shall coordinate directly with Engineer to mark limits and locations of traffic devices and pavement markings intended to achieve project outcomes.*
- Contractor shall provide 72 hours notice to Engineer prior to project start in order to schedule survey crews as needed for marking layout.*

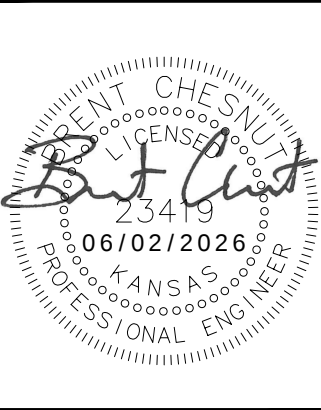
EROSION CONTROL

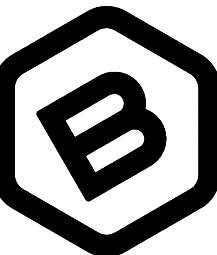
- Project is to occur on established hard surfaces and is not anticipated to disturb and soil. Therefore Erosion Control is not anticipated to be necessary and has been excluded from this project.*

TRAFFIC CONTROL

- The Contractor shall be responsible for all traffic control measures necessary to facilitate construction.*
- All construction zone markings and signage must comply with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD), as published by the U.S. Department of Transportation, Federal Highway Administration.*
- All costs associated with construction markings and signage shall be included in the Lump Sum Bid Item 'Traffic Control.'*
- The Contractor is responsible for sequencing of all construction activities.*
- The minimum lane width shall be 11 feet (measured between the centerline of pavement markings or channelizers), unless otherwise specified in the plans or directed by the Owner. A lane width of less than 11 feet may require restricted roadway width signage.*
- Existing signposts outside the identified construction limits shall not be disturbed.*
- Any additional signs, barricades, or other traffic control devices not shown on the Traffic Control Plans but requested by the Owner during construction shall not be paid for directly and will be considered SUBSIDIARY to the contract lump sum price bid for 'Traffic Control.'*
- The Contractor shall maintain access to all properties throughout the construction period.*

Summary of Quantities			
Bid Item Code	Bid Item	Quantity	Unit
Lump Sum Bid Items – Roadway			
1114000	Mobilization	1	LS
8810000	Traffic Control	1	LS
	Signing	1	LS
Measured Bid Items – Roadway			
	Pavement Marking Removal	1	LS
	Pavement Marking (White)(24")	968	LF
	Pavement Marking (White)(12")	228	LF
	Pavement Marking (White)(8")	578	LF
	Pavement Marking (White)(4")	14,340	LF
	Pavement Marking (Yellow)(8")	1,246	LF
	Pavement Marking (Yellow)(4")	11,600	LF
	Pavement Marking (Green)(24")	869	LF
	Pavement Marking Symbol(Left Turn)	53	EA
	Pavement Marking Symbol(Right Turn)	11	EA
	Pavement Marking Symbol(Bike)	34	EA
	Pavement Marking Symbol(Arrow)	34	EA
	Pavement Marking Symbol(Sharrow)	8	EA
	Pavement Marking Symbol(Merge)	4	EA
	Pavement Marking Symbol(BIKE)	4	EA
	Pavement Marking Symbol(BUS)	4	EA
	Pavement Marking Symbol(ONLY)	4	EA
	Flexible Raised Pavement Markers(4" Broken(3Ft))	713	EA
	Temporary Parking Blocks	103	EA
	Bike Lane/Box(Green)	340	SF
	Bus Stop Bay (Text)	7	EA
	Bus Stop Bay (Red)	4,200	SF
	Bulb Outs/Medians (Red)	27,835	SF





BAUGHMAN
COMPANY

315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

CITY OF WICHITA
DOUGLAS-
WASHINGTON TO GROVE

GENERAL
NOTES

STREET IMPROVEMENTS

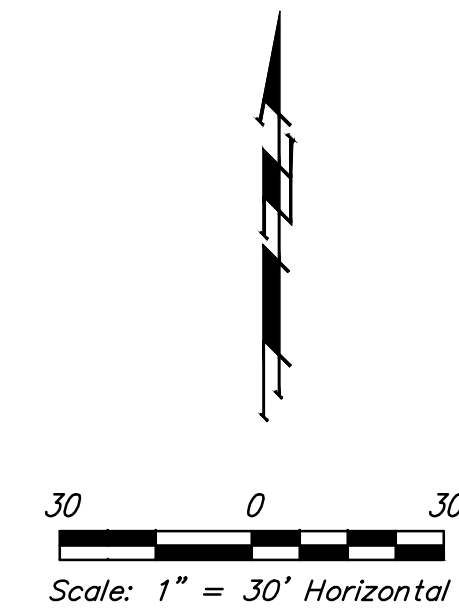
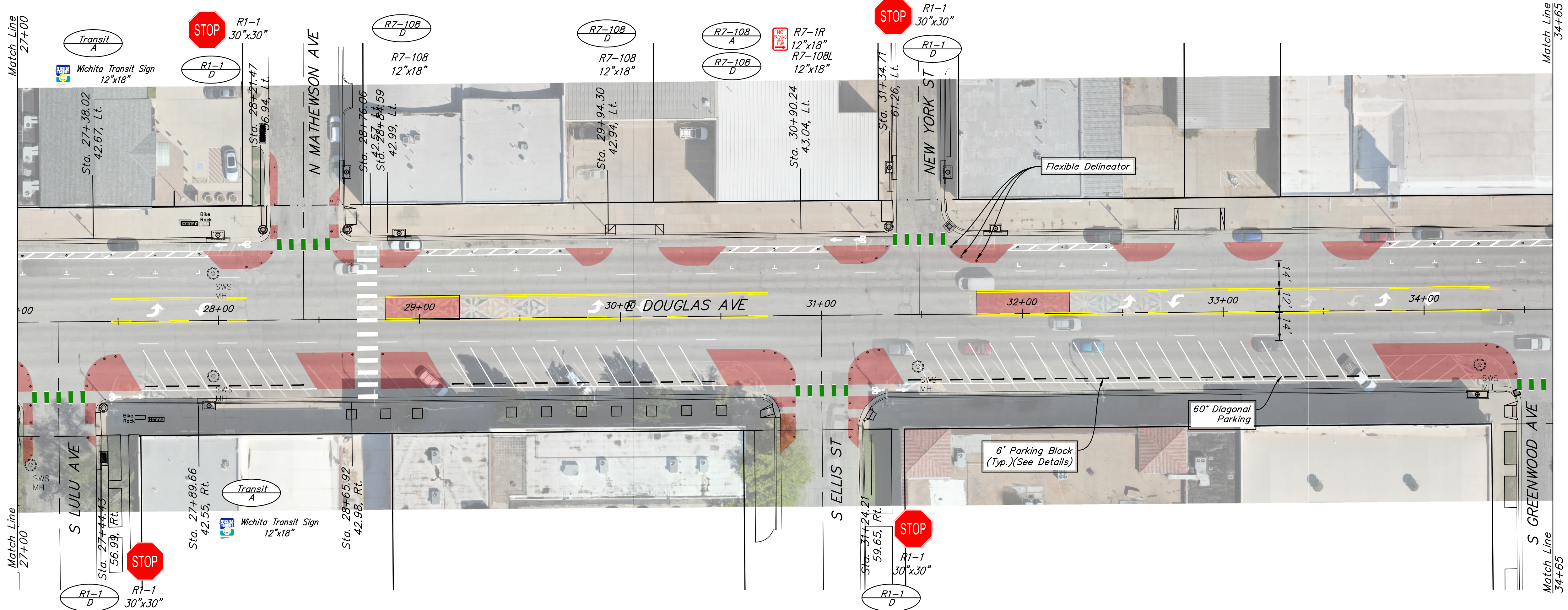
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24-06-E802

DESIGN: BDC DRAWN: LEN

DATE: June 2, 2026

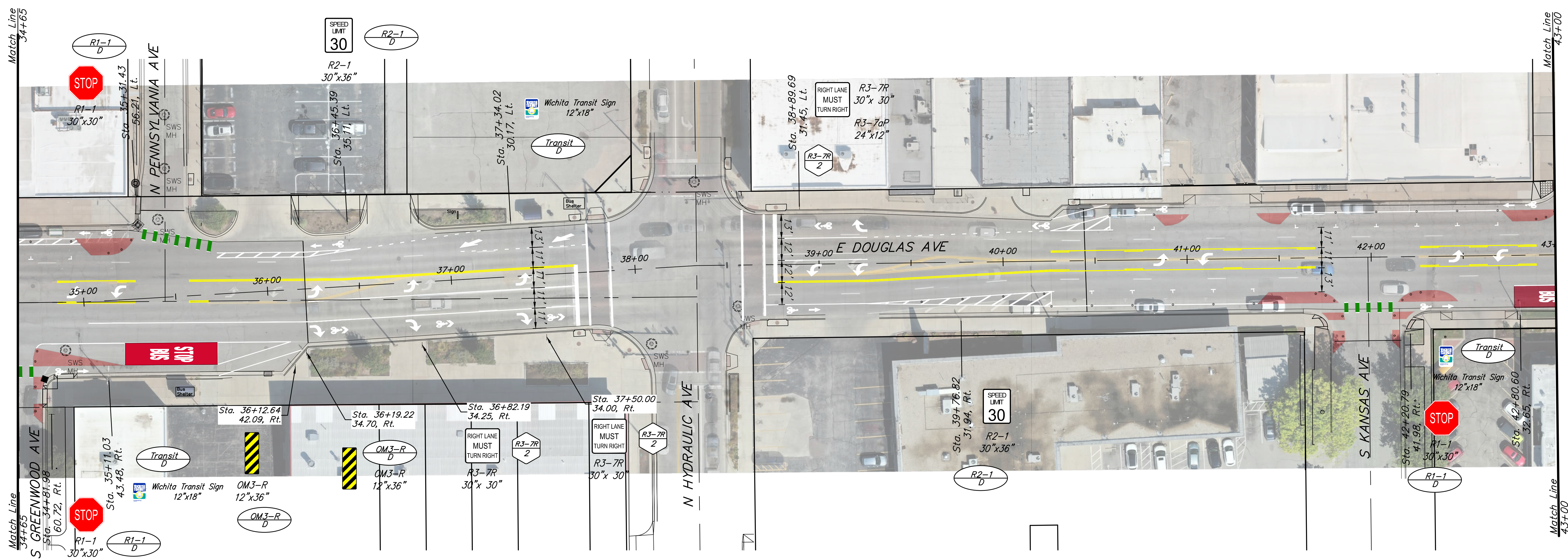
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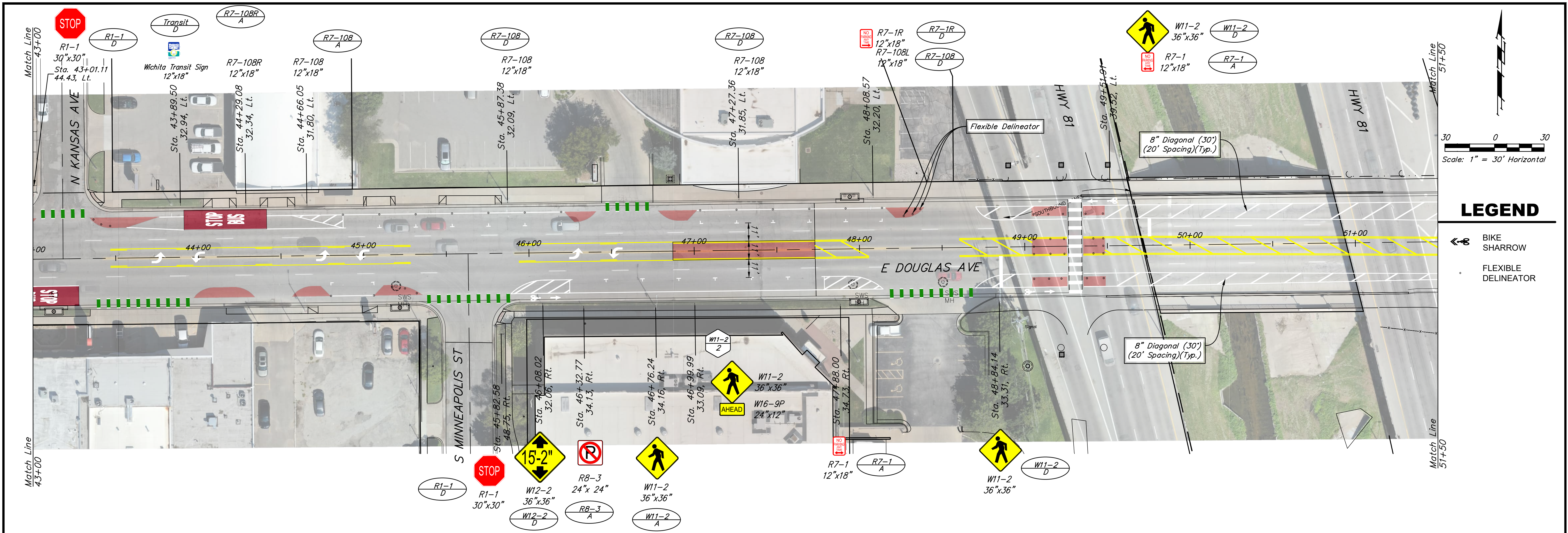
LEGEND

- BIKE SHARROW
- FLEXIBLE DELINEATOR



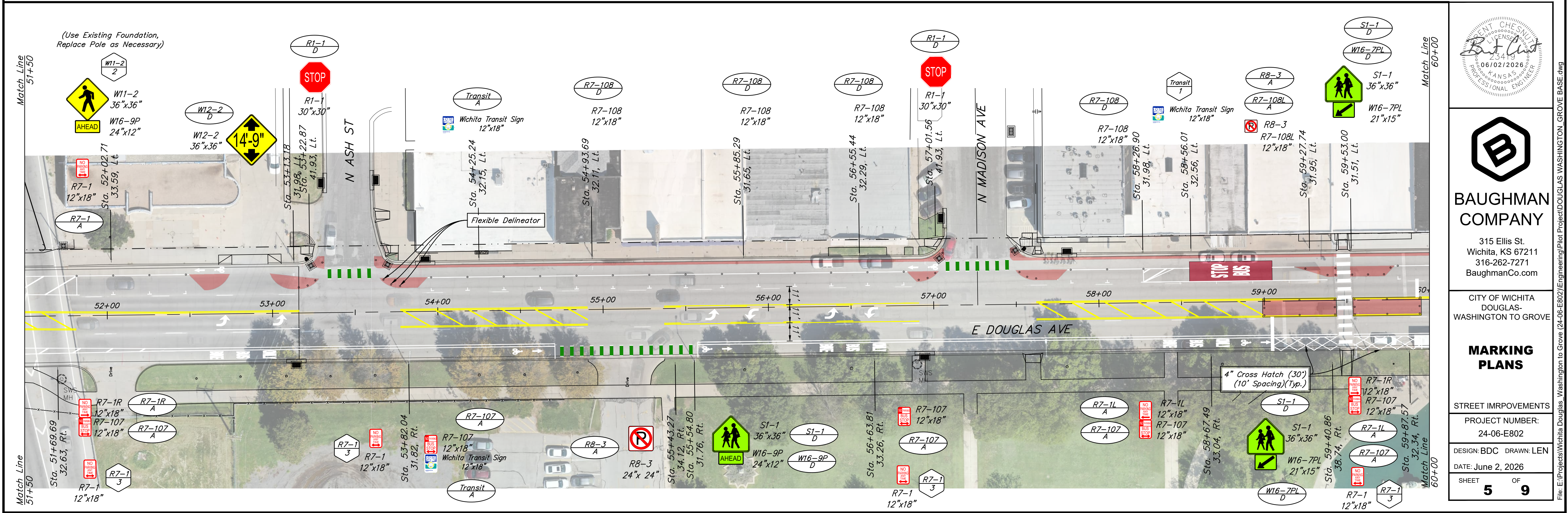
BAUGHMAN COMPANY
315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

CITY OF WICHITA DOUGLAS- WASHINGTON TO GROVE	
MARKING PLANS	
STREET IMPROVEMENTS	
PROJECT NUMBER:	24-06-E802
DESIGN: BDC	DRAWN: LEN
DATE: June 2, 2026	
SHEET	OF
4	9



LEGEND

- BIKE SHARROW
- FLEXIBLE DELINEATOR



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CITY OF WICHITA
DOUGLAS- WASHINGTON TO GROVE

MARKING PLANS

STREET IMPROVEMENTS

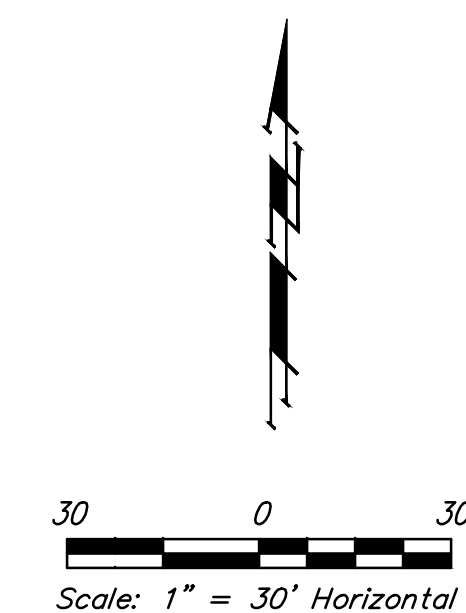
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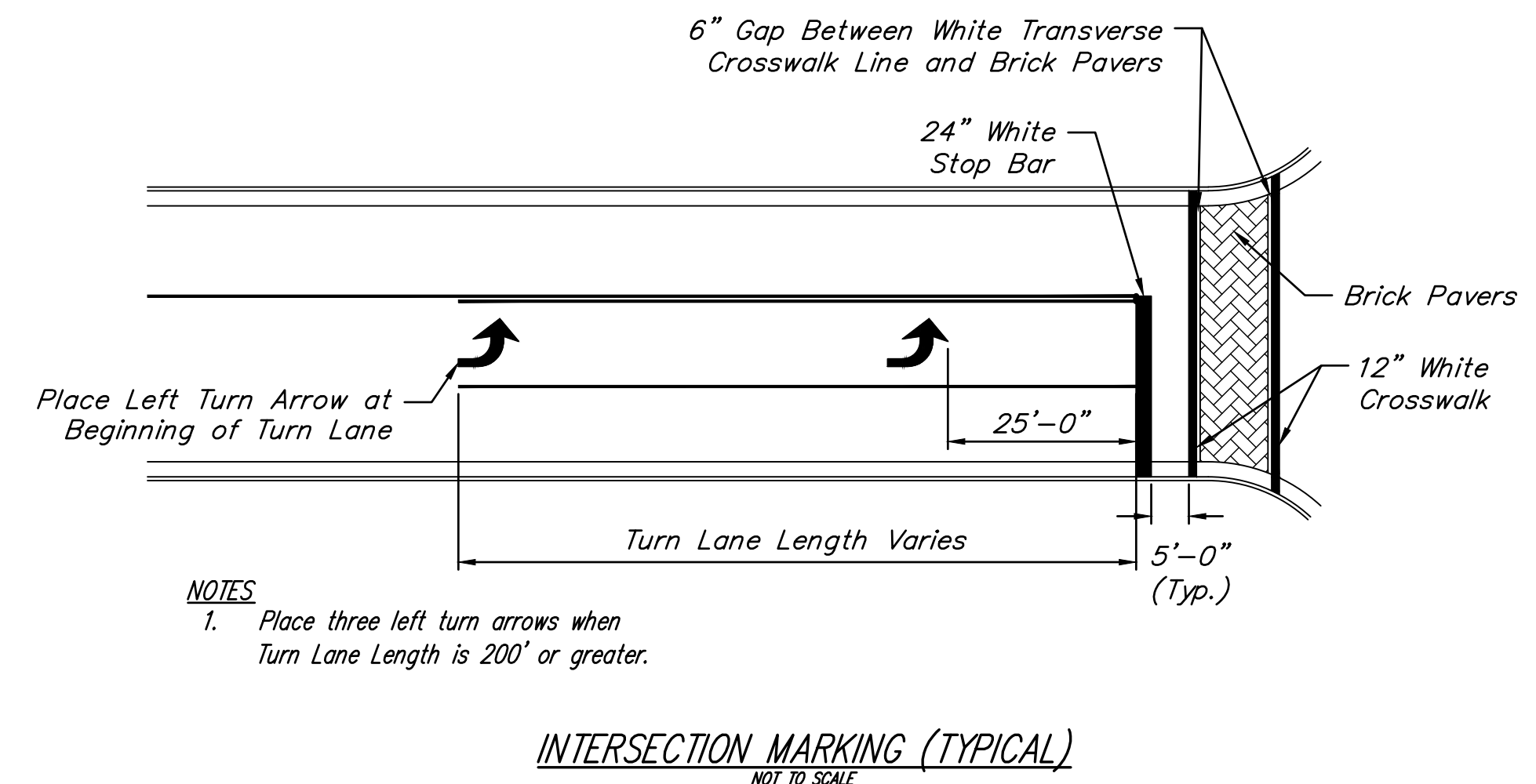
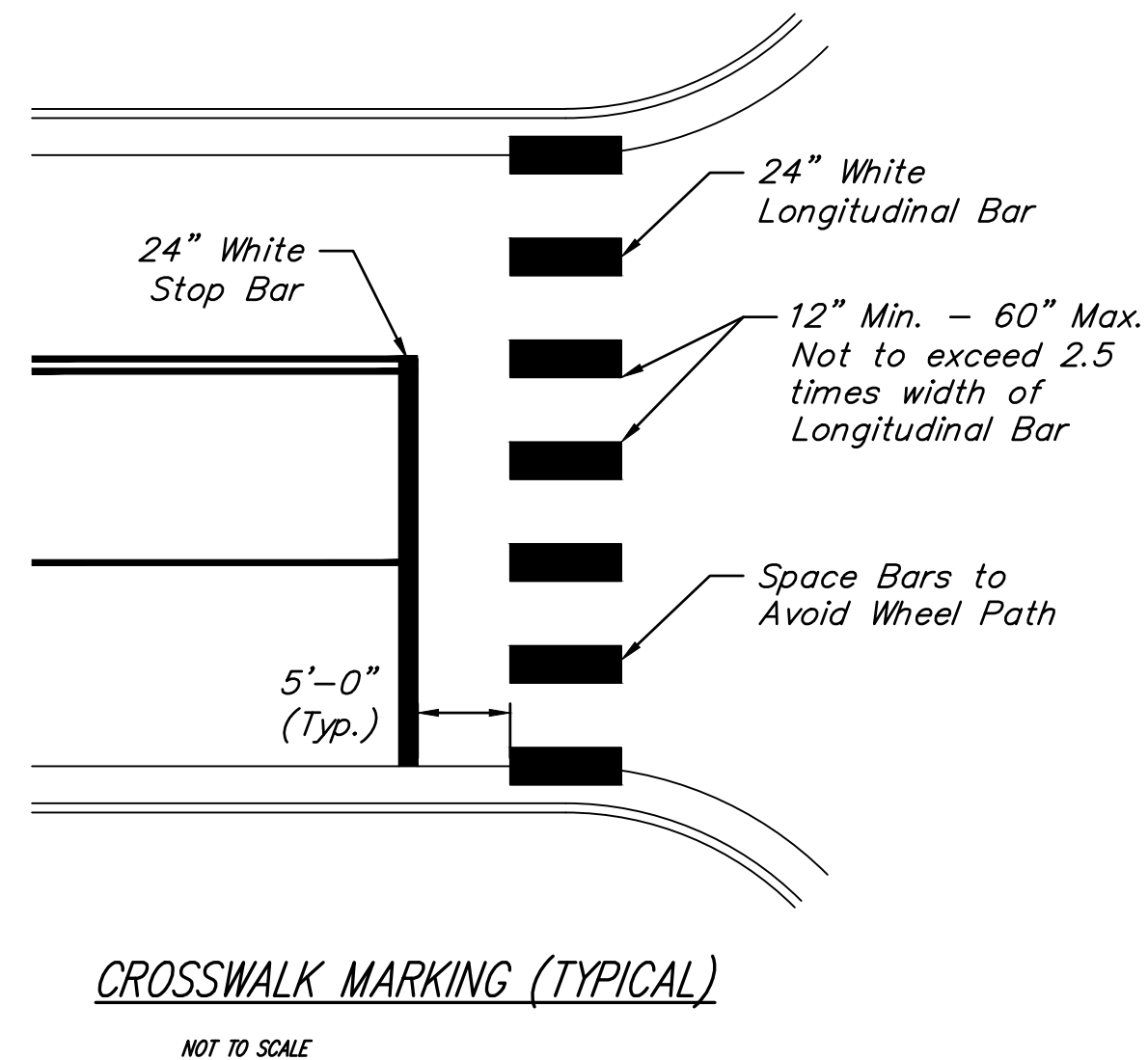
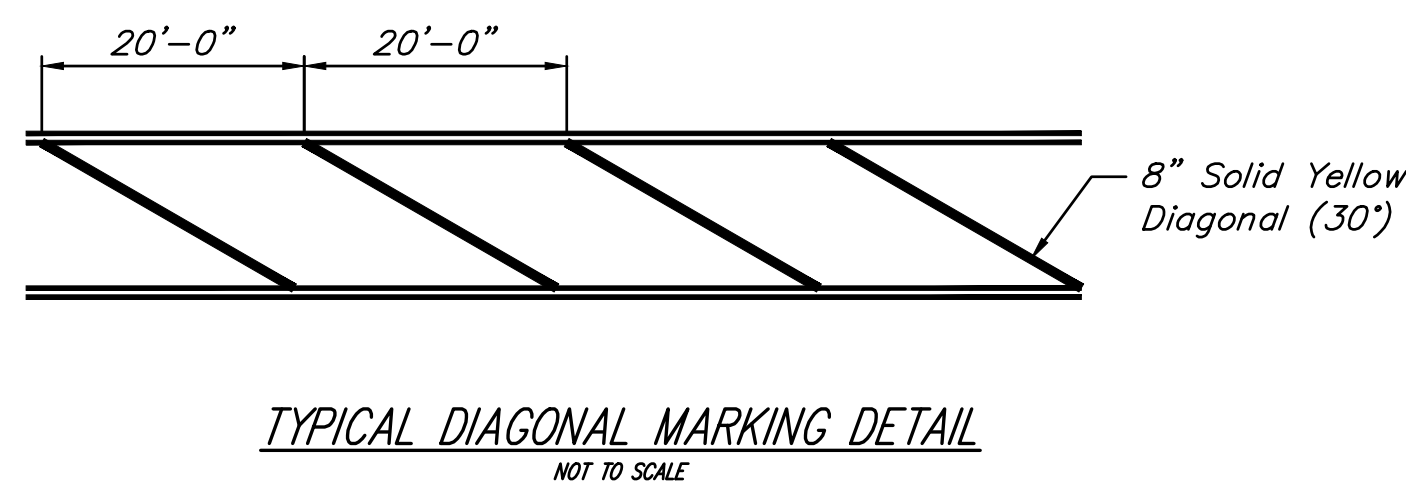
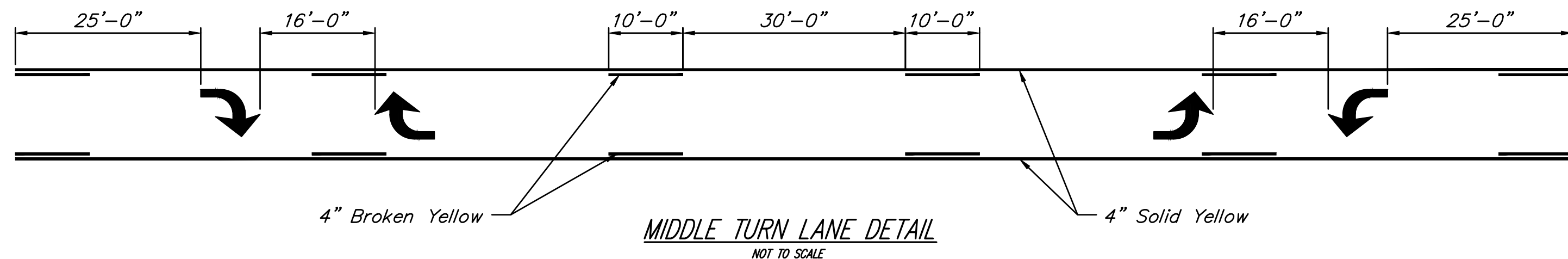
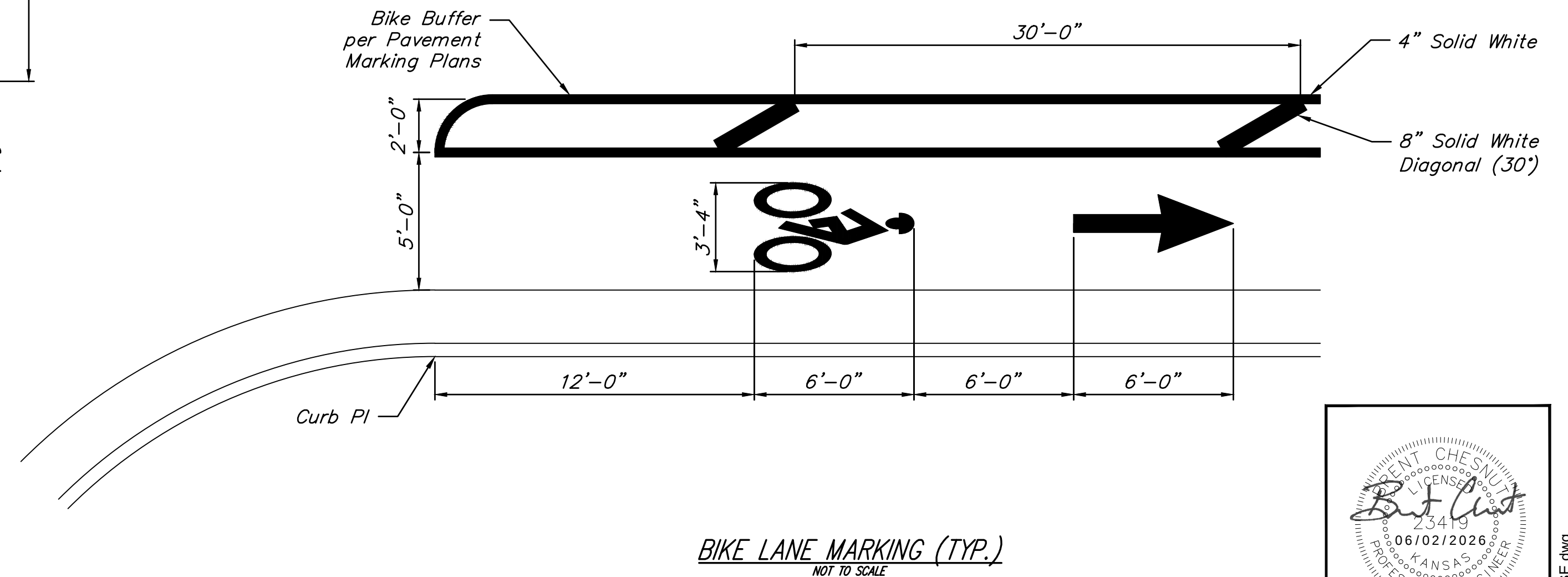
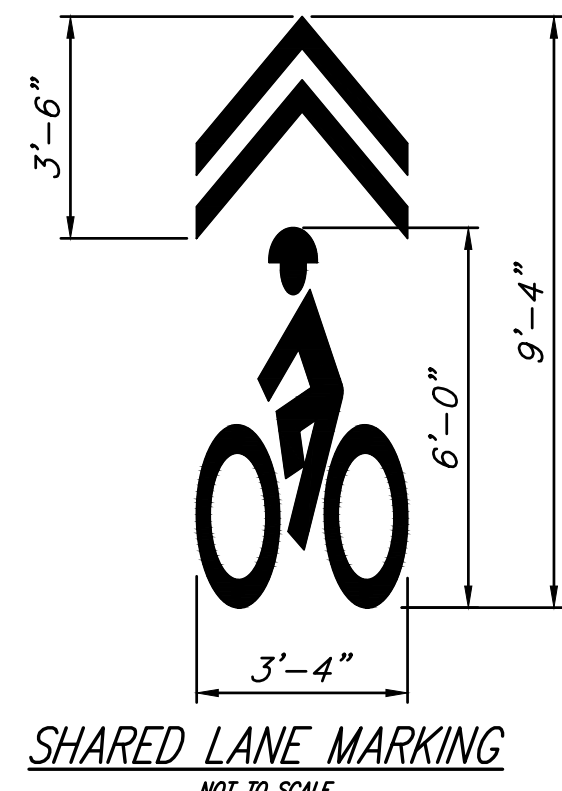
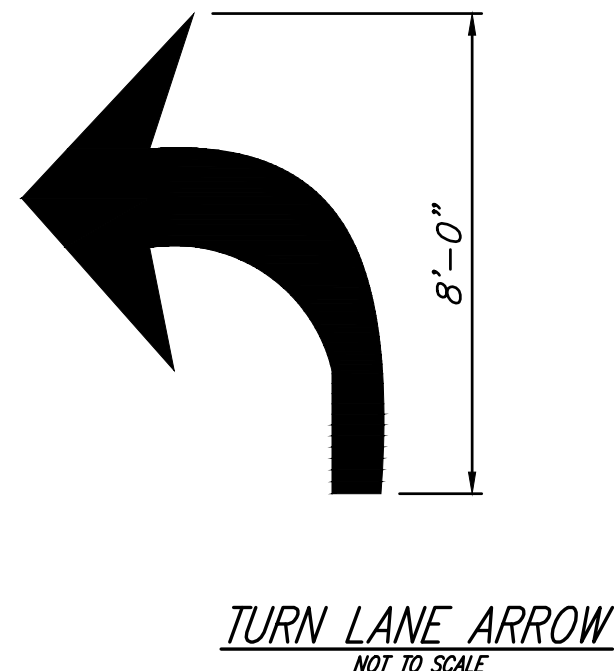
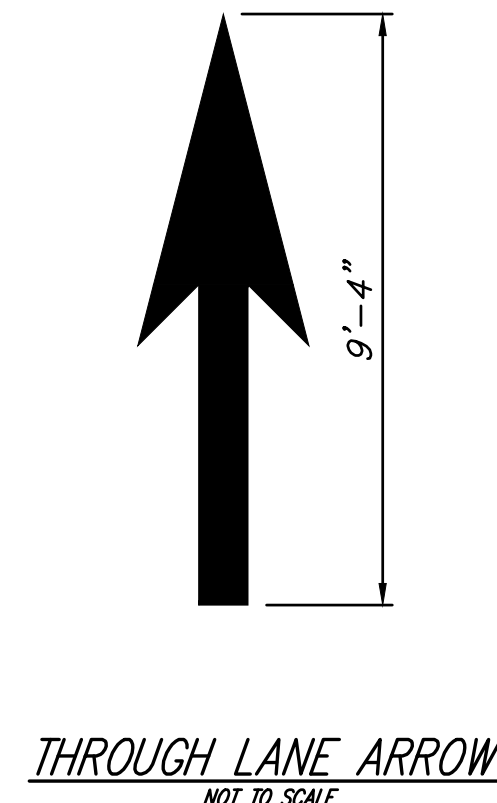
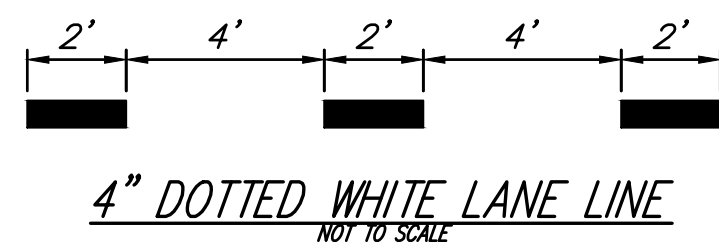
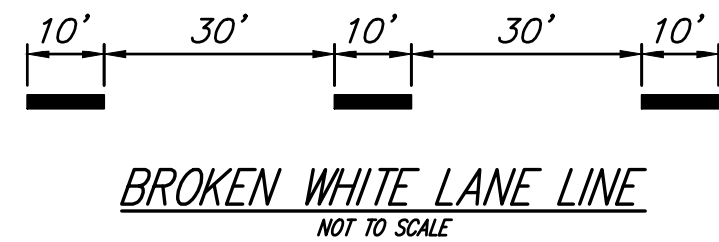
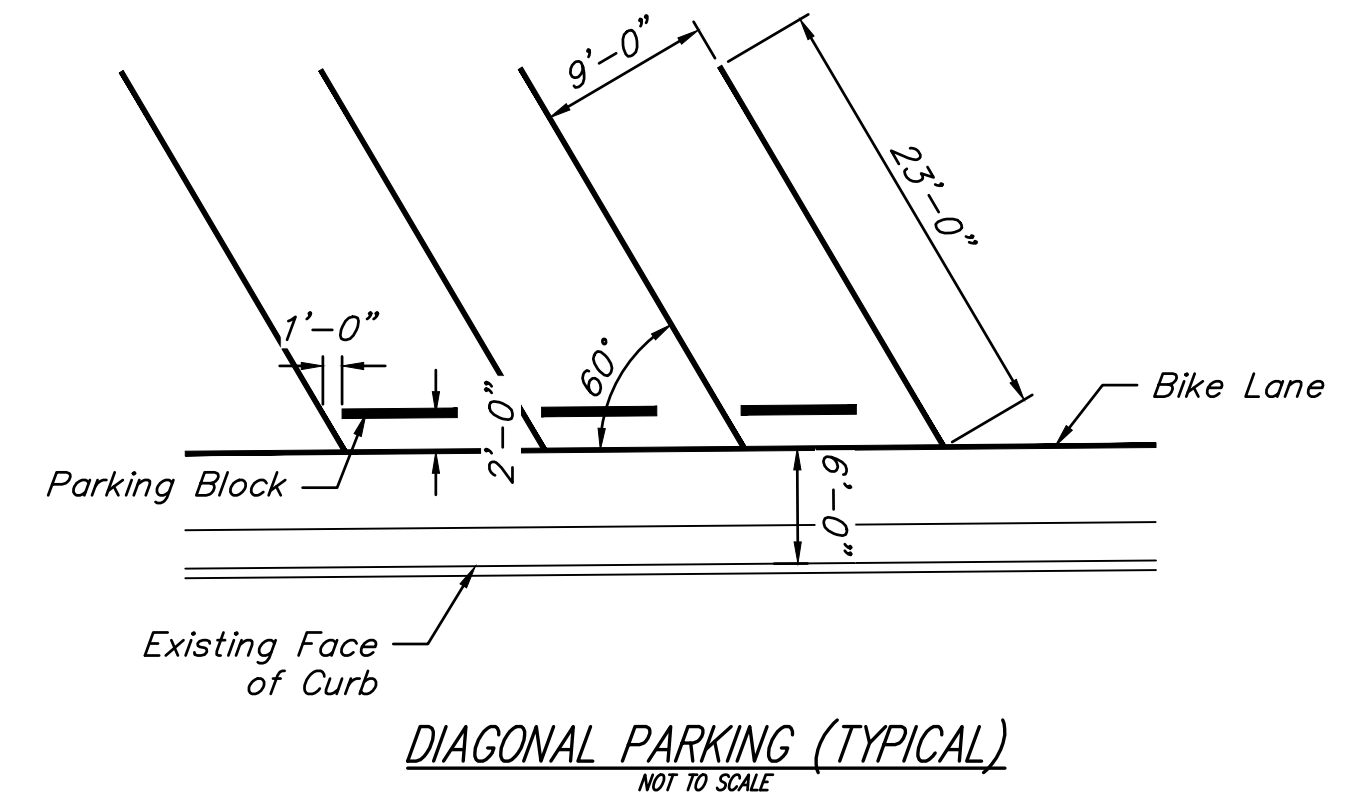
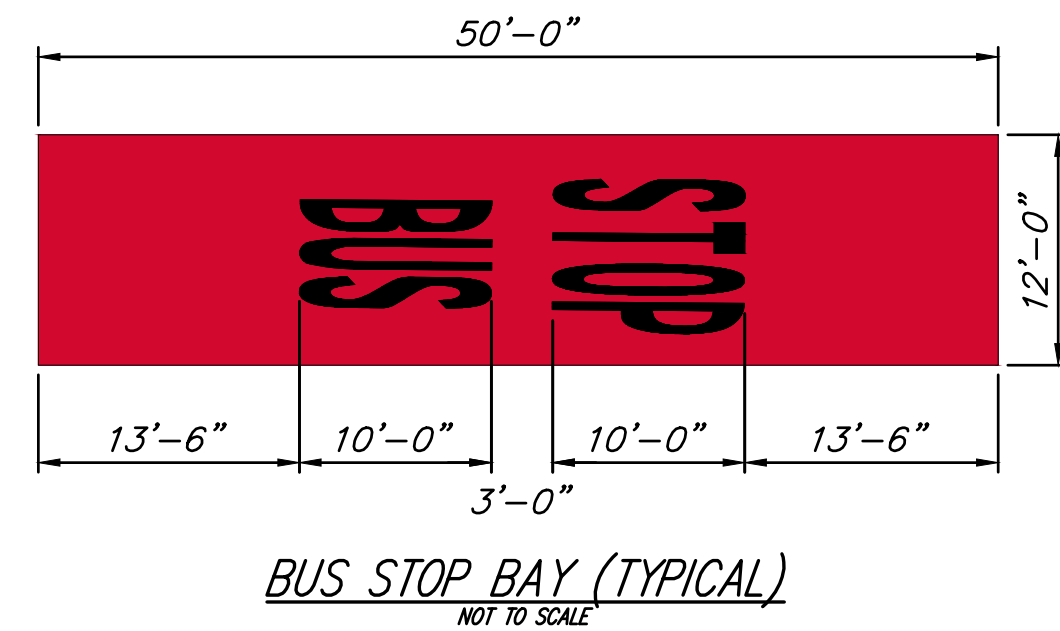
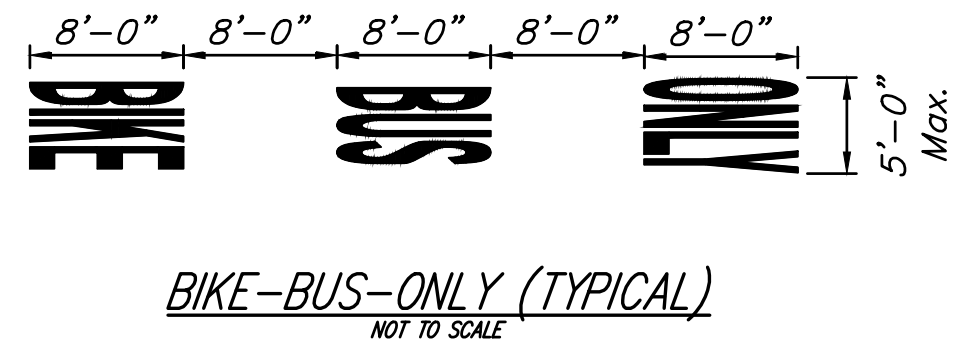
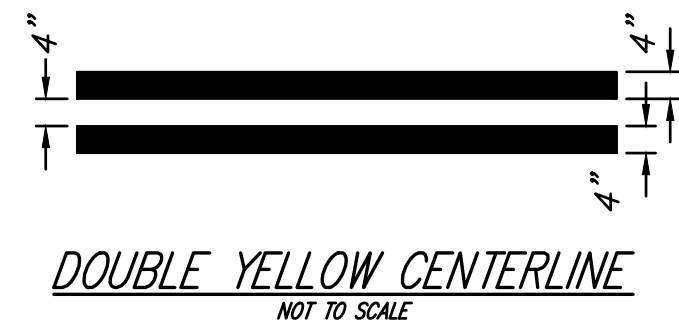
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DATE: June 2, 2026

SHEET 5 OF 9

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CITY OF WICHITA
DOUGLAS-
WASHINGTON TO GROVE

PAVEMENT MARKING DETAILS

STREET IMPROVEMENTS

PROJECT NUMBER:
24-06-E802

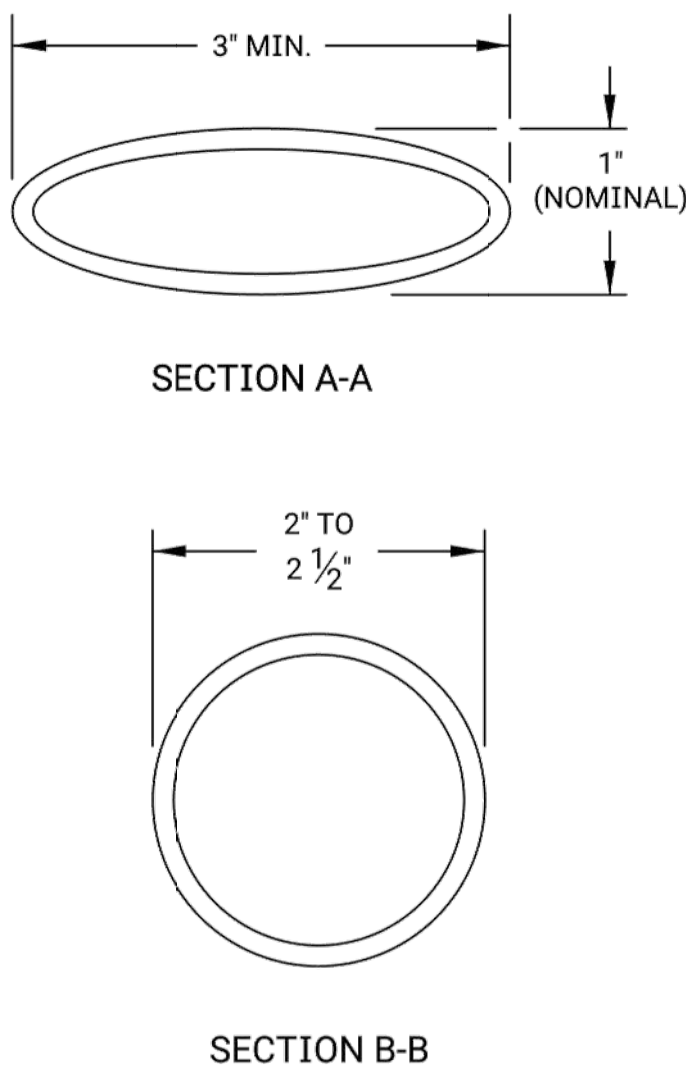
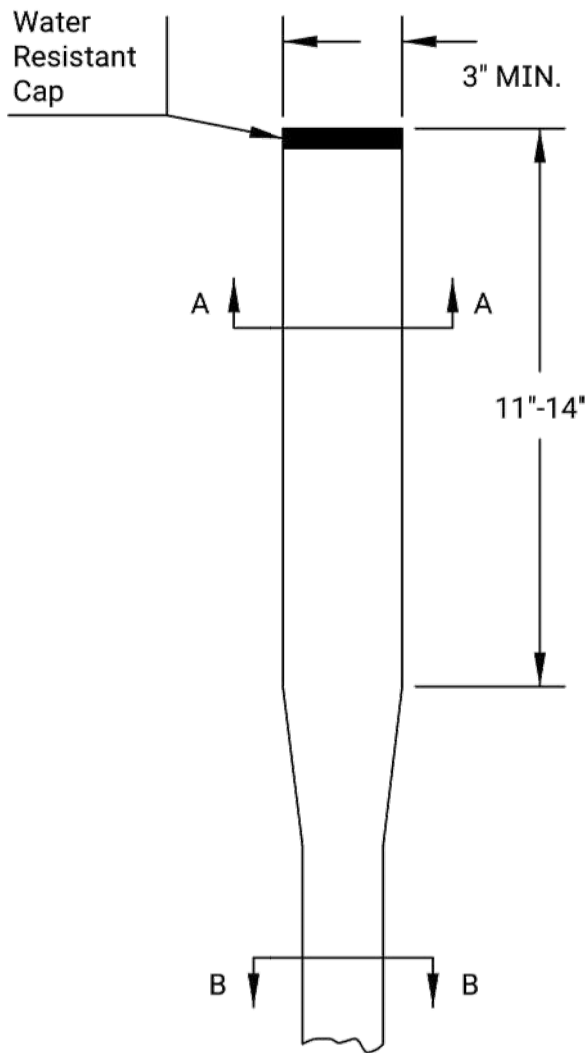
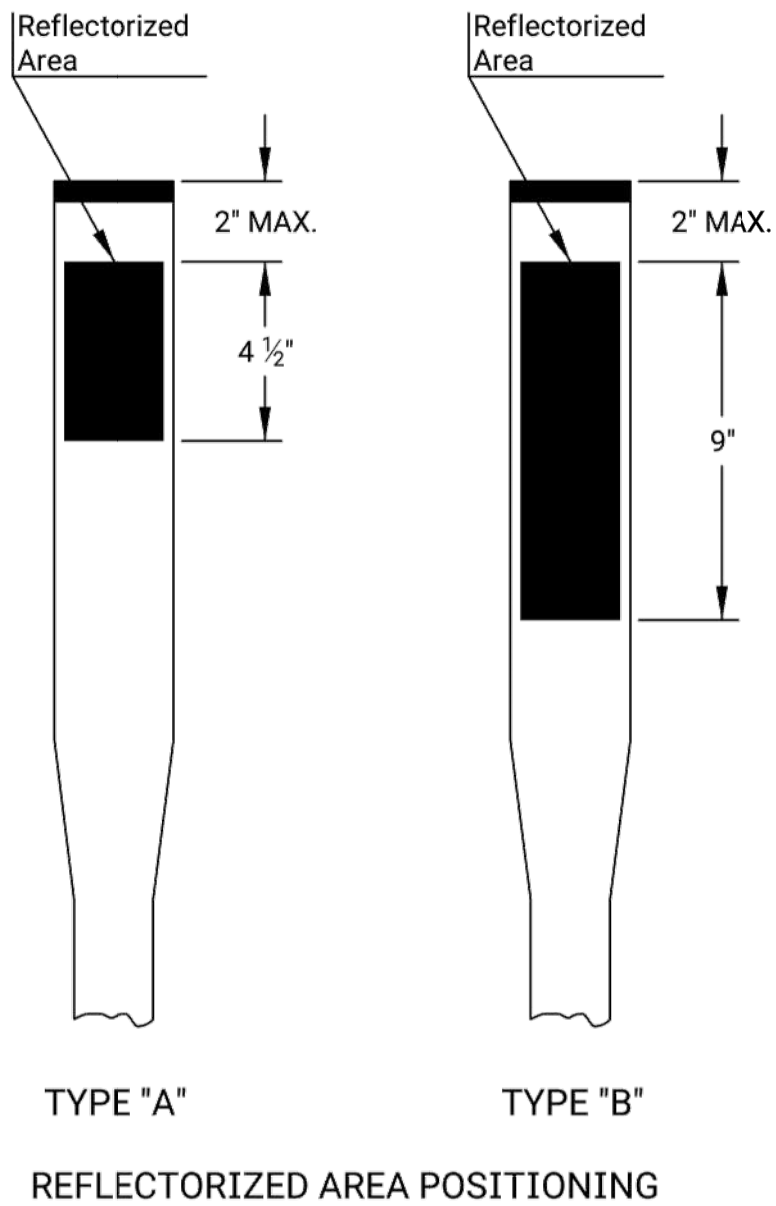
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DATE: June 2, 2026

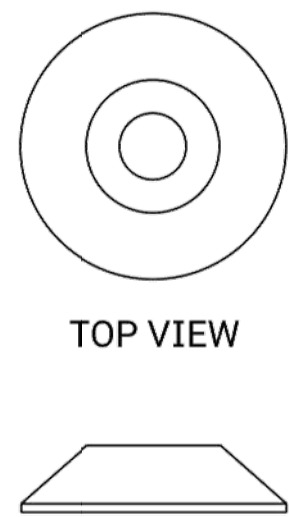
SHEET 7 OF 9

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File : te412.dgn

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	0	0	0	0



TYPE I



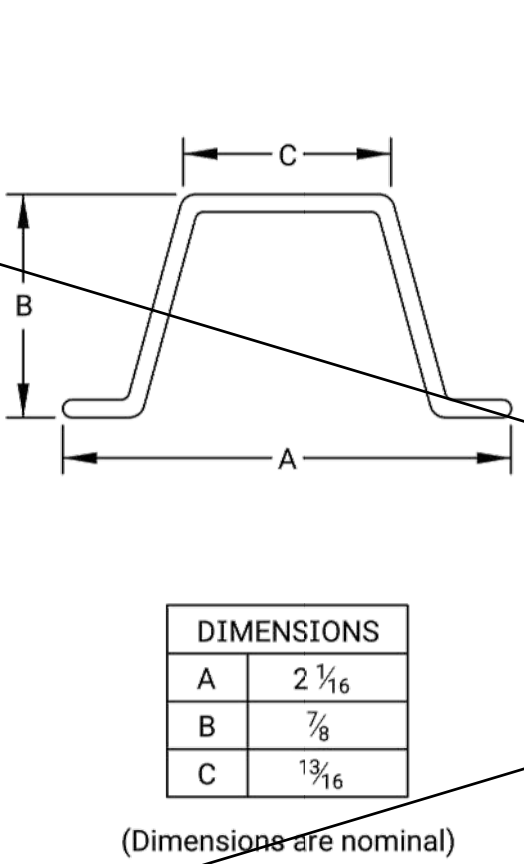
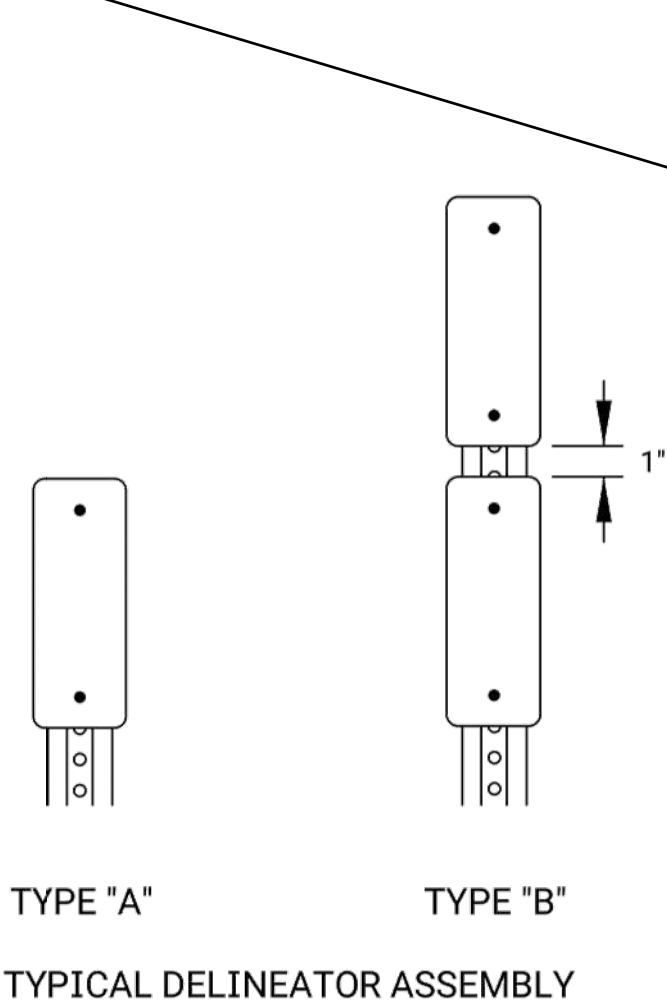
TYPE III

ANCHORING DEVICES

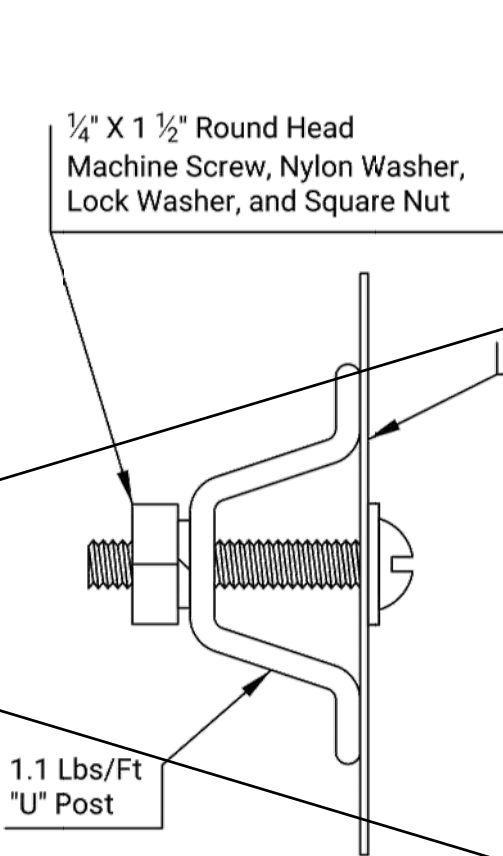
GENERAL NOTE:
See the "Design Details for Positioning of Delineators" standard and/or plan sheets for the delineator spacing, type, and color. The delineators shall be covered with Type XI High Intensity white or yellow retroreflective sheeting.

FLEXIBLE POST DELINEATORS:
The total length of the flexible delineator post shall be determined by the contractor, as per location and anchoring device. The reflectorized area for flexible delineators shall be a minimum of 3" in width.

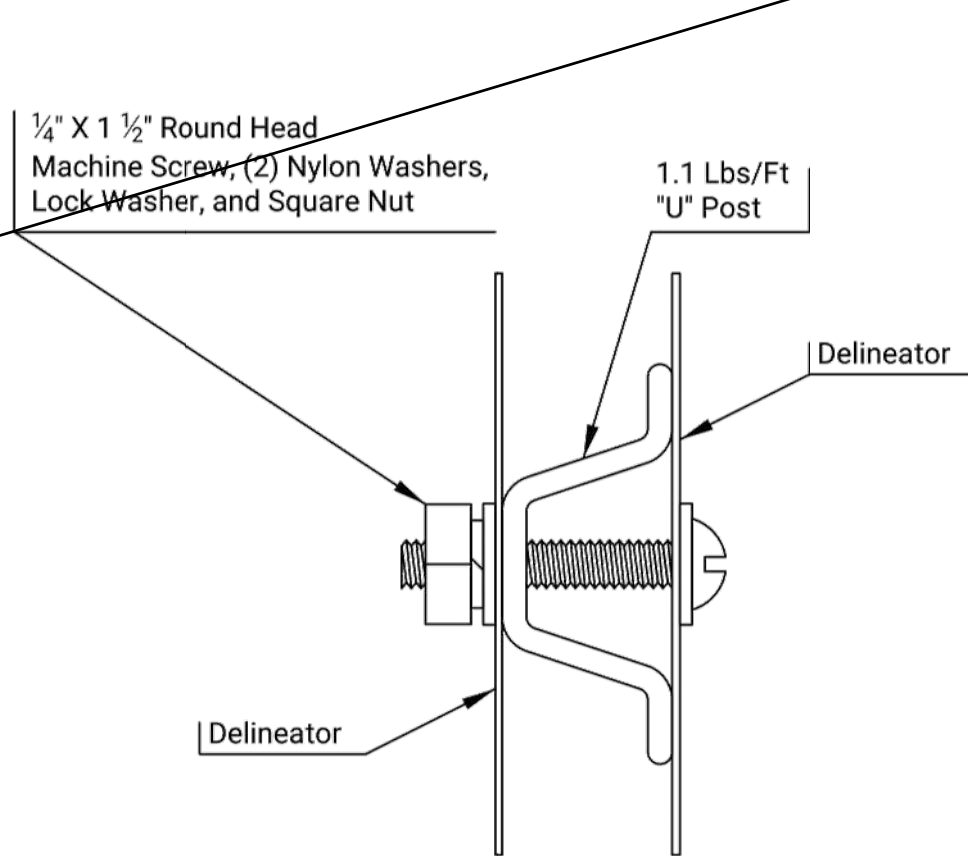
STEEL POST DELINEATORS:
See flat sheet sign blank standard sheets for the 3" x 8" delineators details.



PUNCHING DETAILS



MOUNTING DETAILS (TYPICAL)



MOUNTING DETAILS (BACK TO BACK)

STEEL POST DELINEATOR INSTALLATION

All dimensions are in inches unless otherwise noted.
See standard plan sheet TE590 for detailed specifications.

NO.	DATE	REVISIONS	BY	APP'D
02	10-01-19	Changed drawings and notes	D.D.G.	E.W.N.
01	07-23-10	Changed Sheeting Type	D.D.G.	D.B.
KANSAS DEPARTMENT OF TRANSPORTATION				
DELINEATOR DESIGN DETAILS				
STEEL POST MOUNT & FLEXIBLE POST MOUNT				
07-01-03				
FHWA APPROVAL				
DESIGNED	D.D.G.	DETAILED	W.S.B.	QUANTITIES
DESIGN CK	S.A.B.	DETAIL CK	D.D.G.	QUAN CK
KDOT Graphics Certified				
Sh. No. 0				

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CITY OF WICHITA
DOUGLAS-
WASHINGTON TO GROVE

PAVEMENT MARKING DETAILS

STREET IMPROVEMENTS

PROJECT NUMBER:
24-06-E802

DESIGN: BDC DRAWN: LEN

DATE: June 2, 2026

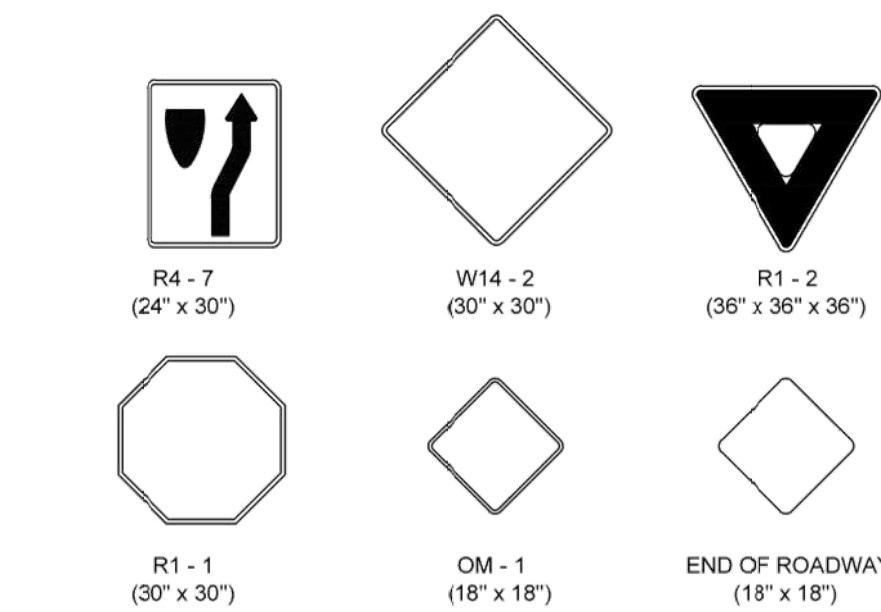
SHEET 8 OF 9

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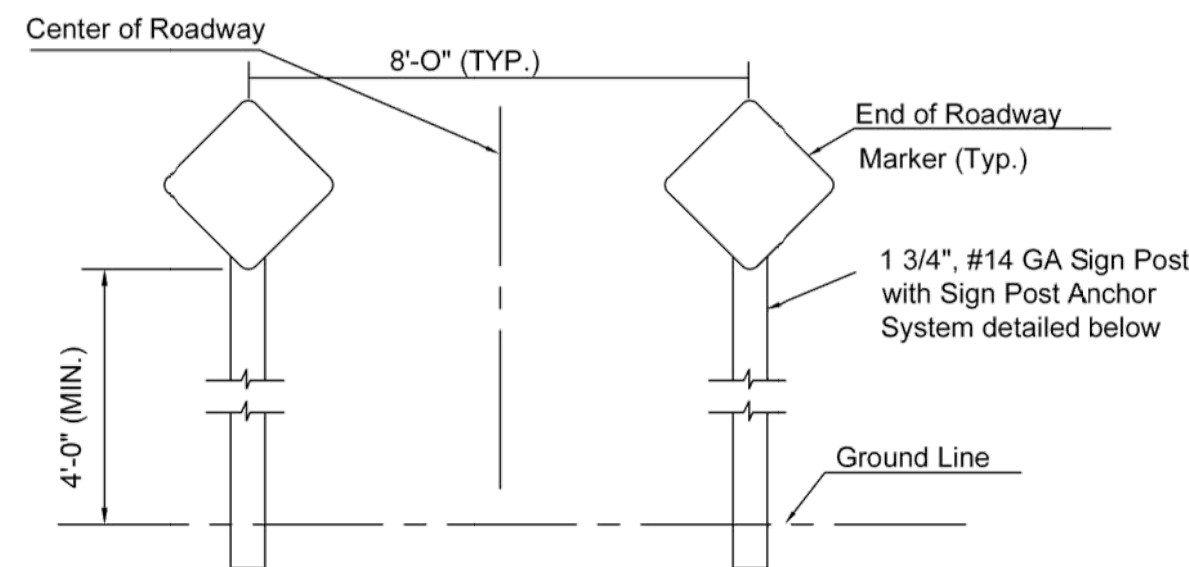
Proposed Sign

Existing Sign

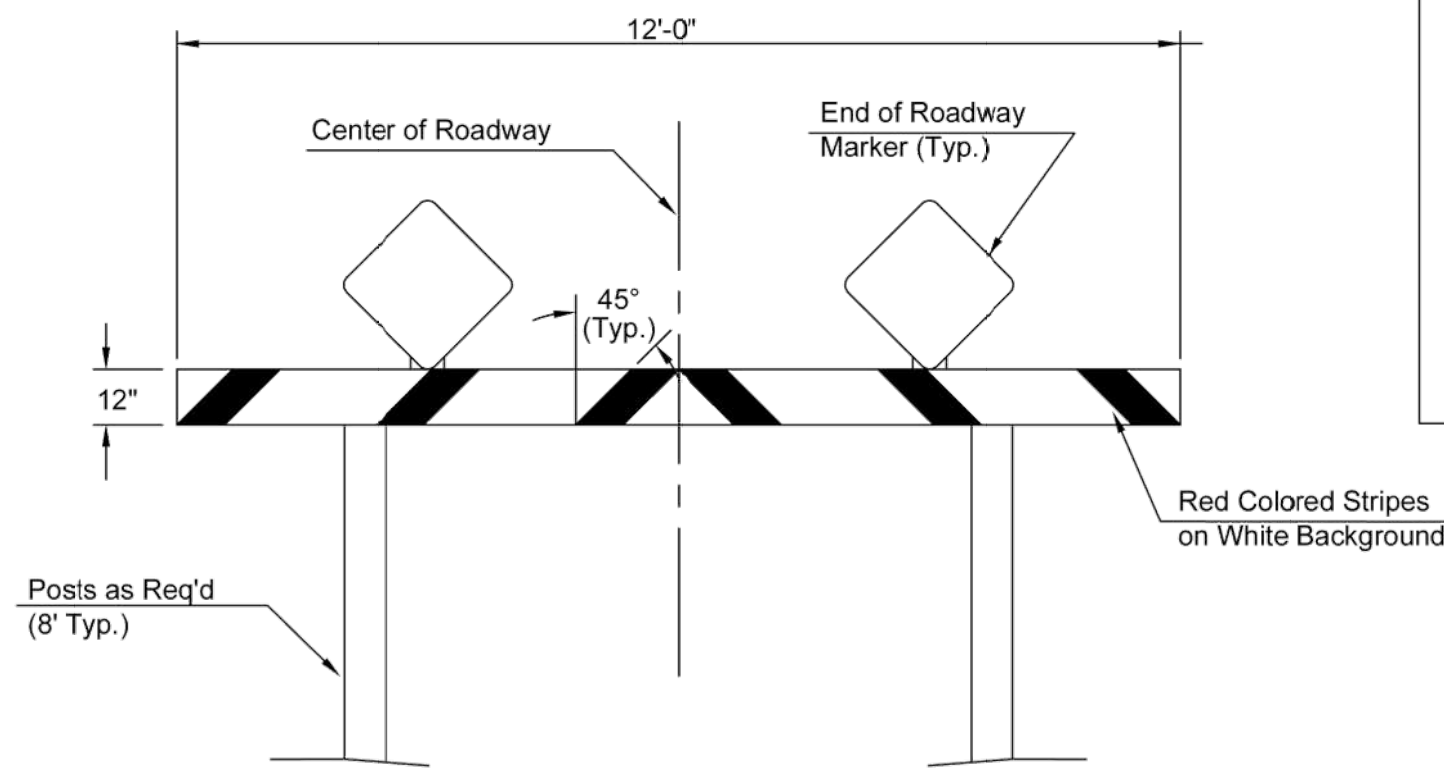
1. *Save & Reset Sign on Existing Sign Post*
2. *Bottom of signs to be installed 7' above ground and set 5' behind curb.*
3. *Bottom of Sign to be installed 5' above ground and set 5' behind curb.*



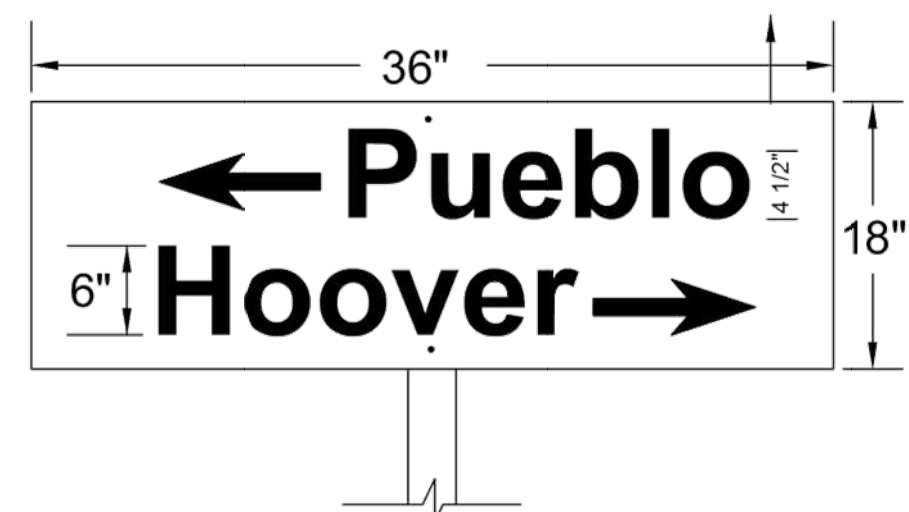
* IN NO CASE SHALL THE SPECIFICATIONS BE LESS THAN REQUIRED BY THE CURRENT MUTCD.



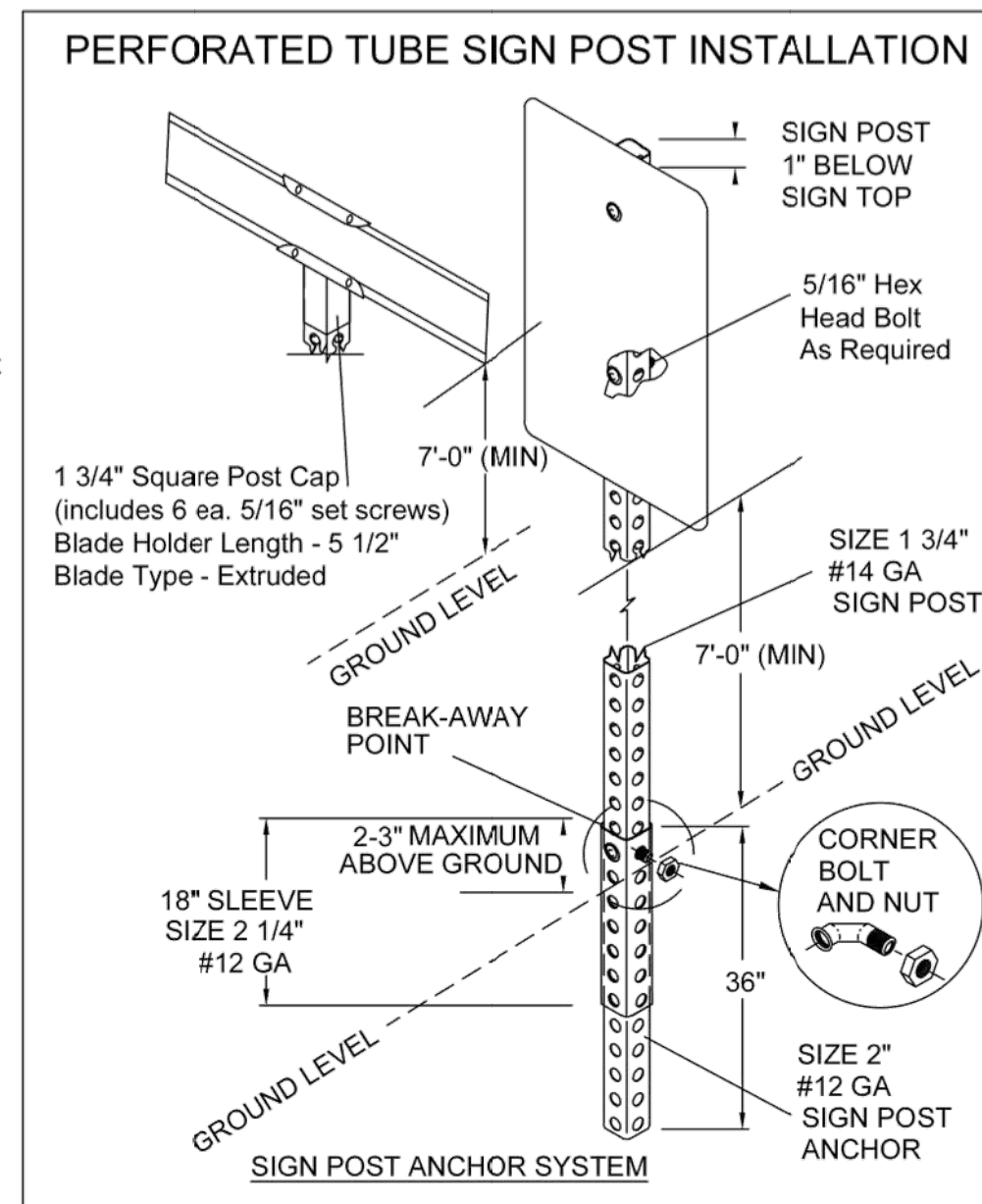
TYPICAL END OF ROADWAY SIGN MOUNTING INSTALLATION



TYPE I BARRICADE DETAIL W/ E.O.R. MARKERS

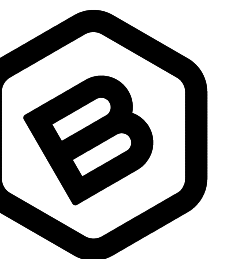


FLAT PLATE STREET NAME SIGN

[illegible][illegible]

NOTE: REFERENCES BELOW TO "STANDARD SPECIFICATIONS" DENOTE "STANDARD SPECIFICATION FOR STATE ROAD AND BRIDGE CONSTRUCTION EDITION 2015" BY THE KANSAS DEPARTMENT OF TRANSPORTATION.

1. **FABRICATION AND INSTALLATION OF ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE MUTCD.**
- 1a. POST ANCHORS: POSTS SHALL BE ANCHORED WITH A YIELDING BASE POST SUPPORT AS DETAILED.
2. POSTS FOR TRAFFIC CONTROL SIGNS: POSTS SHALL BE GALVANIZED AND CONFORM TO THE REQUIREMENTS OF SUBSECTION 1620 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT ALL POSTS SHALL WEIGH 3 LBS./FT. MINIMUM.
3. POSTS FOR STREET NAME SIGNS (SNS): POSTS SHALL BE 9 FEET LONG, CONSTRUCTED FROM #14 GALVANIZED STEEL PIPE AND SHALL BE 1 3/4" SQUARE WEIGHING A MINIMUM OF 3 LBS./FT. POSTS SHALL BE POSITIONED SO THAT THE BOTTOM BLADE IS 7 FEET ABOVE GRADE.
4. POSTS FOR END OF ROADWAY SIGN TO BE 8' LONG AND INSTALLED A MINIMUM OF 4' FROM ROADWAY TO BOTTOM OF SIGN.
5. SIGN BLANKS FOR TRAFFIC CONTROL SIGNS: SIGN BLANKS SHALL BE FABRICATED FROM 0.080" ALUMINUM ALLOY 6063-T6 CONFORMING TO THE REQUIREMENTS OF SUBSECTION 1627 OF THE STANDARD SPECIFICATIONS.
6. SIGN BLADES FOR STREET NAME SIGNS: EXTRUDED ALUMINUM BLADES SHALL BE ALUMINUM ALLOY CONFORMING TO 6063-T6 OR 5052-H38 (ASTM SPECIFICATION B221, LATEST ISSUE). BLADES SHALL HAVE AN ALDINE OR PHOSPHATE ETCHED FINISH. BLADES SHALL HAVE SQUARE CORNERS AND NO HOLES. MINIMUM BLADE LENGTH SHALL BE 24". MAXIMUM BLADE LENGTH SHALL BE 48". LENGTH VARIES BY INCREMENTS OF 6". BLADES BEARING THE STREET NAMES SHALL BE FIRMLY ATTACHED TO THE MOUNTING BRACKETS USING ALLEN-TYPE CONICAL SET SCREWS. THE BLADES SHALL BE ORIENTED PARALLEL TO THE STREET.
7. MOUNTING BRACKETS FOR SIGNS: DIE-CAST ALUMINUM BRACKETS SHALL BE ALUMINUM ALLOY 360 HAVING A TENSILE STRENGTH OF 44,000 PSI. THE BRACKETS SHALL BE SMOOTHLY FINISHED FREE OF PITS, BURRS, AND FLAWS. EACH BRACKET SHALL BE TAPPED AND DRILLED FOR 5/16" ZINC-PLATED ALLEN-TYPE SET SCREWS HAVING SELF-LOCKING SAW-TOOTH ENDS.
8. FASTENERS: ALL STEEL FASTENERS FOR TRAFFIC CONTROL SIGNS SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1614 OF THE STANDARD SPECIFICATIONS.
9. REFLECTIVE SHEETING: REFLECTIVE SHEETING SHALL BE A MINIMUM OF HIGH INTENSITY PRISMATIC.
10. PROCESS INK: ALL PROCESS INK SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 2202 OF THE STANDARD SPECIFICATIONS.
11. DETAILS - SNS: THE REFLECTIVE SHEETING FOR THE 9" STANDARD SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVER-WHITE #2 COPY WITH 6" UPPER CASE AND 4 1/2" LOWER CASE PRIMARY COPY AND SUFFIX COPY. BOTH SERIES "C". FACES TO TRIM TO A 8 1/2". (SEE DETAIL A.)
THE REFLECTIVE SHEETING FOR THE 9" METRO SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVER-WHITE #2 COPY WITH 6" UPPER CASE AND 4 1/2" LOWER CASE PRIMARY COPY AND SUFFIX COPY, BOTH SERIES "C". THE CARDINAL DIRECTION CENTERED DIRECTLY BEHIND THE BLOCK NUMBER SHALL BE AN UPPER CASE, 3" SERIES "C" LETTER. FACES TO TRIM TO A 8 1/2" WIDTH. (SEE DETAIL B.)
FOR CUL-DE-SAC STREETS, A 9" METRO SIZE BLADE SHALL BE USED WITH THE BLOCK NUMBERS DISPLAYED BENEATH THE STREET NAME. IF BLOCK NUMBERS ARE NOT SHOWN ON THE PLANS THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEER AT 288-4501 PRIOR TO MANUFACTURING THE SIGN.
SHOP DRAWINGS OF LAYOUT FOR SNS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEERING DIVISION OF THE CITY OF WICHITA FOR APPROVAL PRIOR TO FABRICATION. THE FINISHED SIGNS AS SUPPLIED SHALL BE OF GOOD APPEARANCE, FREE FROM RAGGED EDGES, CRACKS, SCALES OR BLISTERS AND SHALL BE CLEAN-CUT. SIGNS SHALL BE PACKED IN SUCH MANNER AS TO PREVENT DAMAGE OR DEFAECMENT DURING SHIPMENT OR STORAGE.
12. PERMANENT TRAFFIC CONTROL AND SNS: PERMANENT TRAFFIC CONTROL AND SNS SHALL BE MEASURED AND PAID FOR AT THE LUMP SUM PRICE FOR SIGNING. THE PAYMENT AS SET FORTH ABOVE SHALL BE COMPENSATION FOR ALL MATERIALS, LABOR, EQUIPMENT, EXCAVATION, BACKFILLING, POSTS, ANCHORS, FASTENERS, MATERIALS, LABOR, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

BAUGHMAN
COMPANY

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Wichita, KS 67211
316-262-7271
BaughmanCo.com

CITY OF WICHITA
DOUGLAS-
WASHINGTON TO GROVE

SIGNING DETAILS

STREET IMPROVEMENTS | 5

PROJECT NUMBER:
24-06-E802

DESIGN: BDC DRAWN: LEN

DATE: June 2, 2026

SHEET **9** OF **9**



SIGN DETAILS

TRAFFIC ENGINEER APP'D 01/27/22
MIKE ARMOUR, P.E.

PROJECT NUMBER	ORG NUMBER	DATE
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CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET

TR-112