



# STREET IMPROVEMENT PROJECT 841099.06

Hughes Park Area

Southwest 7th Street to Southwest 8th Avenue

Southwest Cambridge Avenue to Southwest Orleans Street

**Know what's below. Call 811 before you dig or visit us at [www.kansasonecall.com](http://www.kansasonecall.com)**

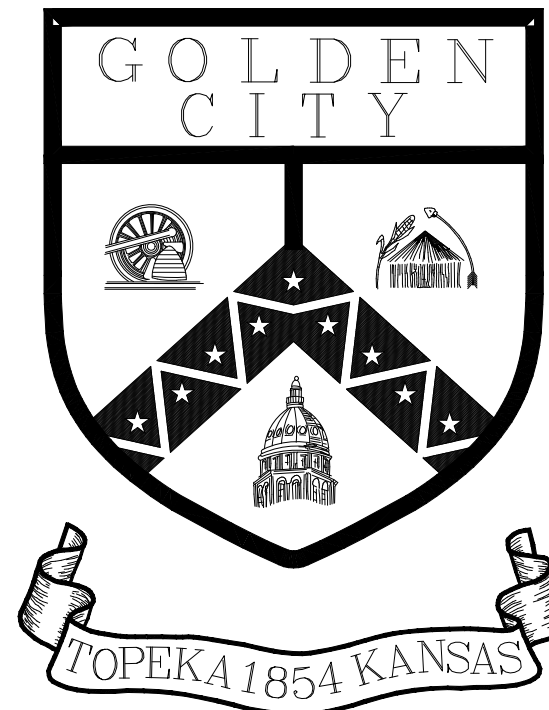
"Kansas One-Call" is the Underground Utility Notification center for the State of Kansas. Through this facility, you can notify operators of underground facilities of proposed excavations to request that the underground facilities be marked before you dig.

Kansas Statute annotated #66-1801 through #66-1815 requires anyone who engages in any type of excavation to provide advance notice of at least two full working days, but not more than 15 calendar days, excluding weekends and holidays.

The person who is doing the work is responsible for calling Kansas One-Call. If the owner contracts with a professional excavator to do the excavation, then the professional excavator is responsible for calling Kansas One-Call.

The service provided by Kansas One-Call to excavators is free of charge.

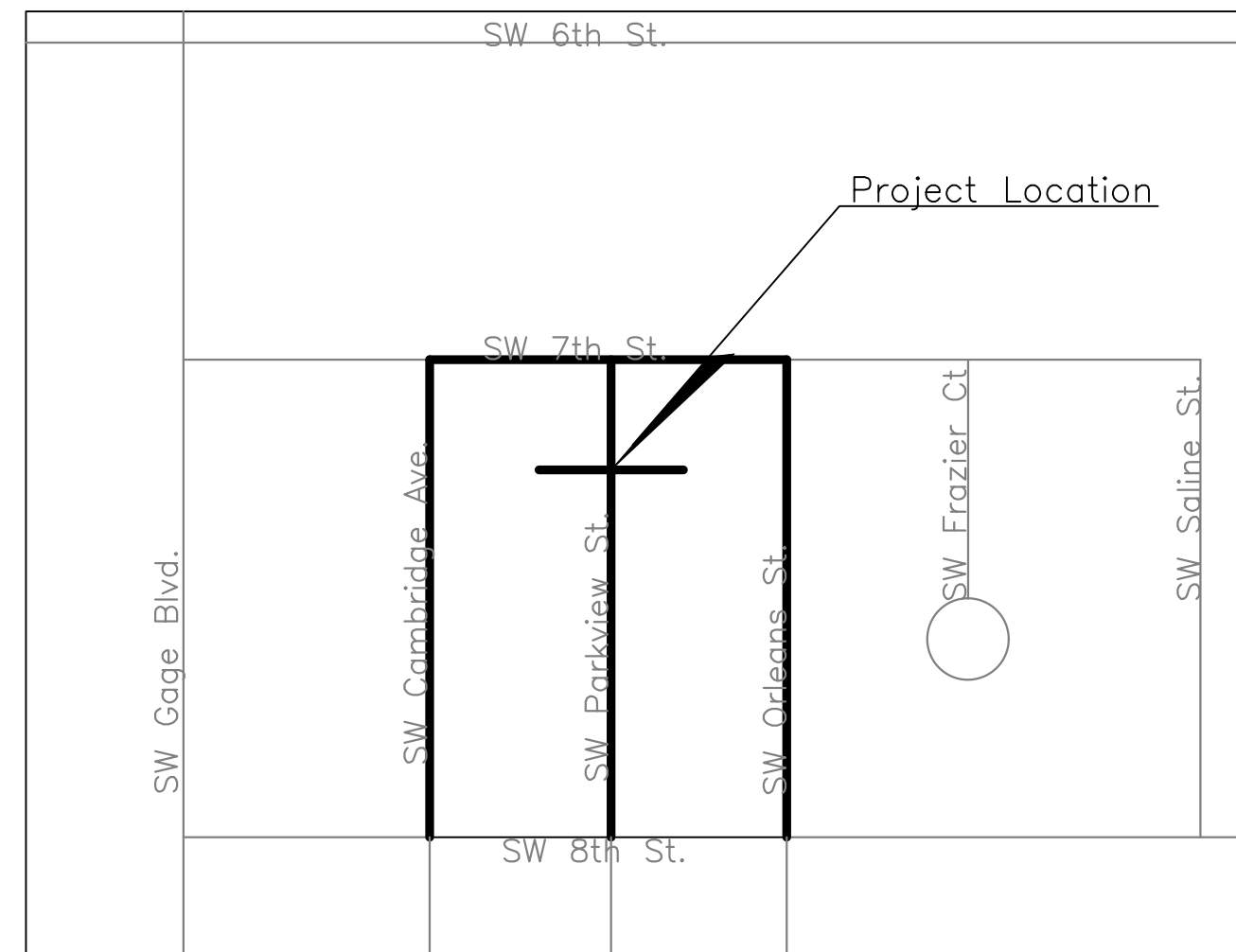
Call 785-368-3111 for emergencies with City of Topeka utilities.



### INDEX OF SHEETS

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2	GENERAL NOTES
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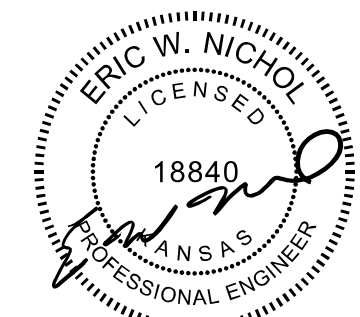
UTILITY OWNER CONTACTS		
<b>Cable TV</b> Cox Communications 931 SW Henderson Rd. Topeka, KS 66615 Dean Cape (785)320-0308(cell) dean.cape2@cox.com	<b>Gas</b> Kansas Gas Service PO Box 3538 200 E 1st St. Topeka, KS 66601 Anna Frizell (785)431-4251 (785)438-7017 (cell) anna.frizell@onegas.com For Gas Leaks 1-888-482-4950 911 must also be called immediately	<b>Sanitary/Storm Sewer</b> City of Topeka, WPC Div. 1115 NE Poplar St. Topeka, KS 66616 Darrin A. Coffland (785)368-2467 dcoffland@topeka.org
<b>Electric</b> Evergy PO Box 889 4001 NW 14th St. Topeka, KS 66603 Jenny Rohr (785)580-2123 jennifer.rohr@evergy.com	<b>Telephone</b> AT&T Corp. 220 SE 6th St., Rm 236 Topeka, KS 66603 Ezra Brown (785)596-9905 eb409q@att.com	<b>Water</b> City of Topeka, Water Dist. 3245 NW Waterworks Dr. Topeka, KS 66606 Duncan Theuri (785)368-0152 dtheuri@topeka.org
<b>Fiber Optic - City of Topeka</b> City of Topeka, Info. Tech. 620 SE Madison St., 3rd Floor Topeka, KS 66603 Wesley L. White (785)338-2633 wlwhite@topeka.org	<b>Traffic Signal</b> City of Topeka, Traffic Ops. 927 NW Harrison St. Topeka, KS 66612 Duane Morris (785)368-3913 cmorris@topeka.org	
<b>Fiber Optic - LUMEN</b> LUMEN 711 E. 19th St. Kansas City, MO 64108 Rick Redel (816)518-2804 richard.redel@lumen.com Relocations: relocations@lumen.com	<b>Fiber Optic - AT&amp;T Transmission</b> AT&T Services, Inc. 1425 Oak Street Kansas City, MO 64016 Lenny Vohs (770)335-8244 lv2121@att.com	
<b>Fiber Optic - USD 501</b> USD 501, Info. Tech. 1900 SW Hope St. Topeka, KS 66604 Joergen Laigaard (785)438-4750 jlaigaard@tps501.org	<b>Fiber Optic - Giant Communications</b> Giant Communications 515 S Kansas Ave. Suite 210 Topeka, KS 66603 Lance Lyman (785)362-3312 lancelyman@giantcomm.net	
<b>Fiber Optic - KsFiberNet</b> Kansas Fiber Network LLC 10875 Benson, Suite 250 Overland Park, KS 66210 Brad Burger (913)213-2937 bburger@ksfiber.net	<b>Telephone/Fiber Optics</b> Verizon/MCI Jeffrey Wiard (620)242-6647 Jeffrey.Wiard@verizonwireless.com	



LOCATION MAP

### LEGEND

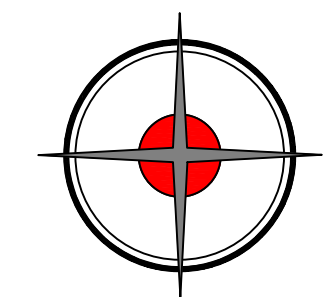
Overhead Telephone Line----	DHT	Section Corner-----	△
Underground Telephone Line-----	UT	Control Point-----	◆
Overhead Cable-----	DHCTV	Property Pin-----	•
Underground Cable-----	UCTV	Power Pole-----	■
Overhead Electric Line-----	DHE	Telephone Pole-----	⊕
Underground Electric Line---	UE	Street Light-----	☀
Water Line-----		Guy Pole-----	□
Gas Line-----		Guy Wire-----	→
Sanitary Sewer-----	SS	Fire Hydrant-----	⊕
Storm Sewer-----	STM	Water Meter-----	⊕
Fiber Optic Line-----	FO	Water Valve-----	⊕
Centerline-----		Gas Meter-----	⊕
Right-of-Way Line-----		Gas Valve-----	⊕
Property Line-----		Mail Box-----	⊕
Lot Line-----		Existing Storm Inlet-----	⊕
Chain link Fence-----		Existing Manhole-----	⊕
Wood Fence-----		Existing Traffic Manhole-----	⊕
Wire Fence-----	X	Sign-----	+
RailRoad Tracks-----		Tree-----	☁
		Stump-----	✂
		Shrub-----	✱



Jan 06, 2026



CITY OF TOPEKA, KANSAS	
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION	
RELEASED FOR CONSTRUCTION	
Mark Schreiner	1/28/2026
CITY ENGINEER	DATE
ATTEST:	
Erinda Younger	2/6/2026
CITY CLERK	DATE
REVIEWED BY	
N/A	
UTILITIES	DATE



**DRIGGS DESIGN GROUP, PA**  
 Surveying Engineering Planning  
 MANHATTAN - HAYS - EMPORIA - TOPEKA - GOODLAND

**TITLE SHEET**  
**LOCATION MAP**  
**QUANTITIES**

DATE: 12/1/2025  
 SHEET: 1 of 17  
 PROJ.: 841099.06



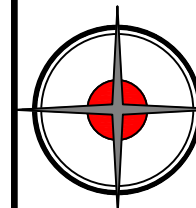
**HUGHES PARK AREA STREET IMPROVEMENTS - 7TH STREET TO 8TH AVENUE  
& SW CAMBRIDGE AVENUE TO SW ORLEANS STREET PROJECT NO.  
T-841099.06 SUMMARY OF QUANTITIES**

**ROAD QUANTITIES - CITY OF TOPEKA**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION	1.00	LS
2	TEMPORARY TRAFFIC CONTROL	1.00	LS
3	PAVEMENT REMOVAL	293	SY
4	2" COLD MILLING	4746	SY
5	2" ASPHALTIC CONCRETE PAVEMENT	4746	SY
6	COMBINED CURB AND GUTTER, TYPE I	444	LF
7	CONCRETE DRIVEWAY (6")	205	SF
8	6" AGGREGATE BASE - TYPE AB-3	293	SY
9	ADA RAMP	1	EA
10	FULL DEPTH CONCRETE REPAIR	293	SY

NO.	DATE	REVISION

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---/---/---



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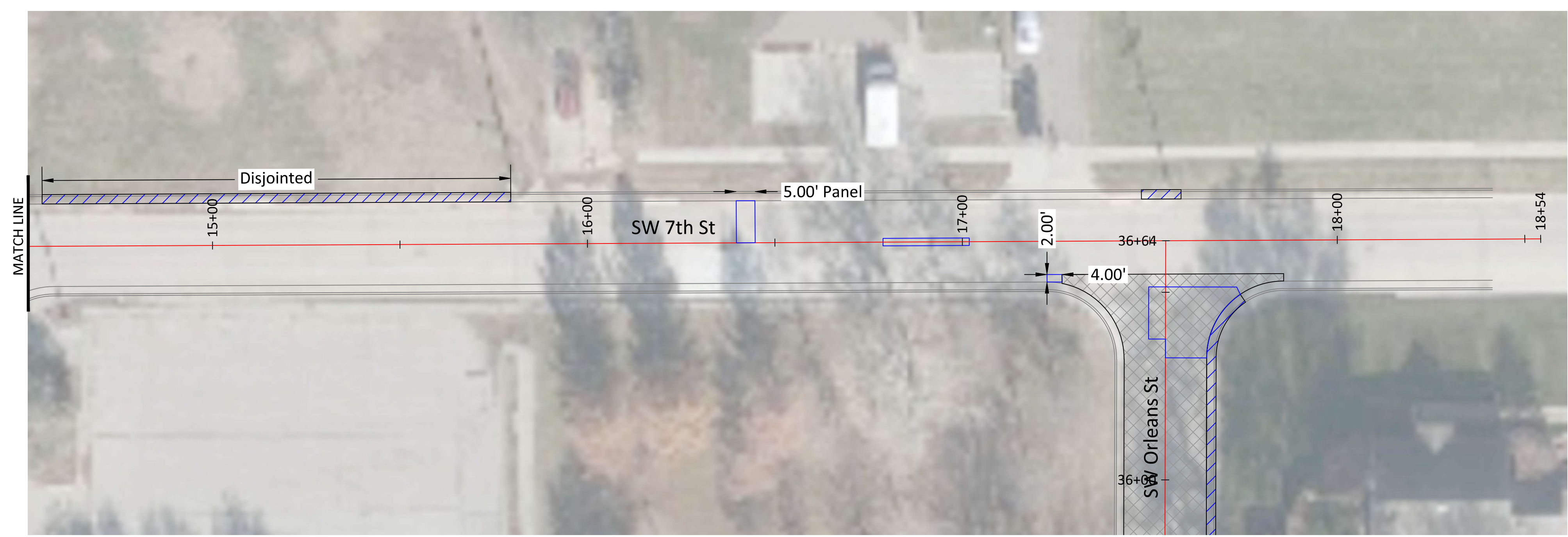
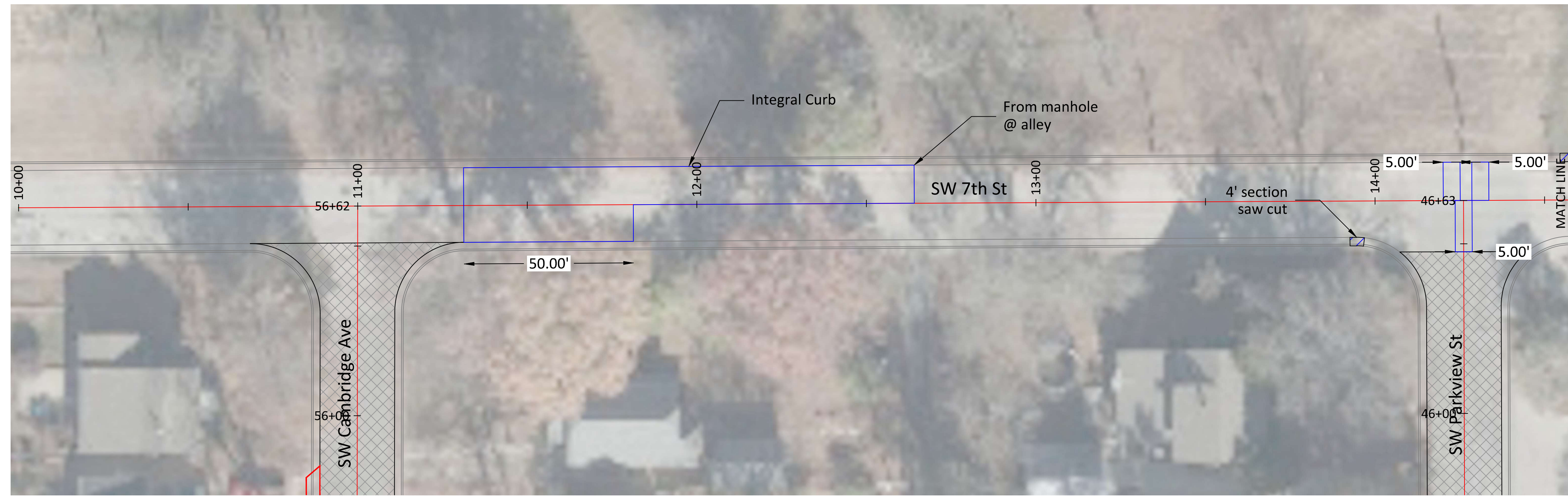
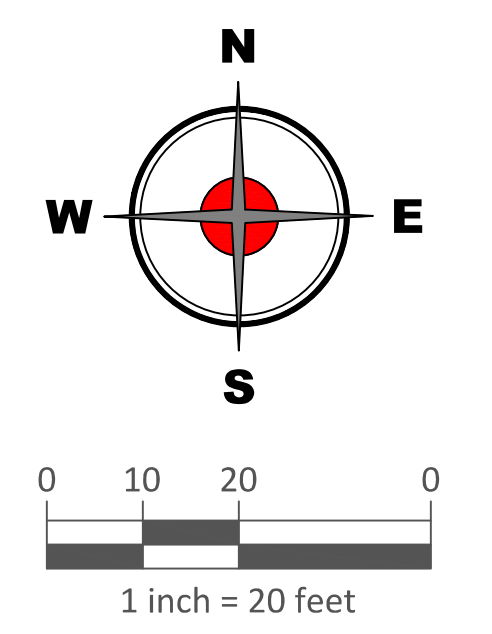


**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

**SUMMARY OF QUANTITIES**

DATE: 1/6/2026  
 SHEET: 3 of 17  
 PROJ.: 841099.06

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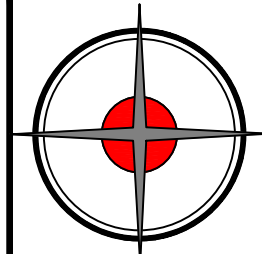


- NOTE:**
- Alignments shown are for information only.
  - Curb and Gutter location shown is approximate. Locations shall be determined in coordination with the Engineer.

LEGEND	
	CONSTRUCT CURB AND GUTTER
	MILL AND OVERLAY
	CONSTRUCT FULL DEPTH CONCRETE PATCH
	DRIVEWAY
	CONSTRUCT SIDEWALK RAMP W/ TRUNCATED DOMES

NO.	DATE:	REVISION	BY:	APP'D	PLOTTED:

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---



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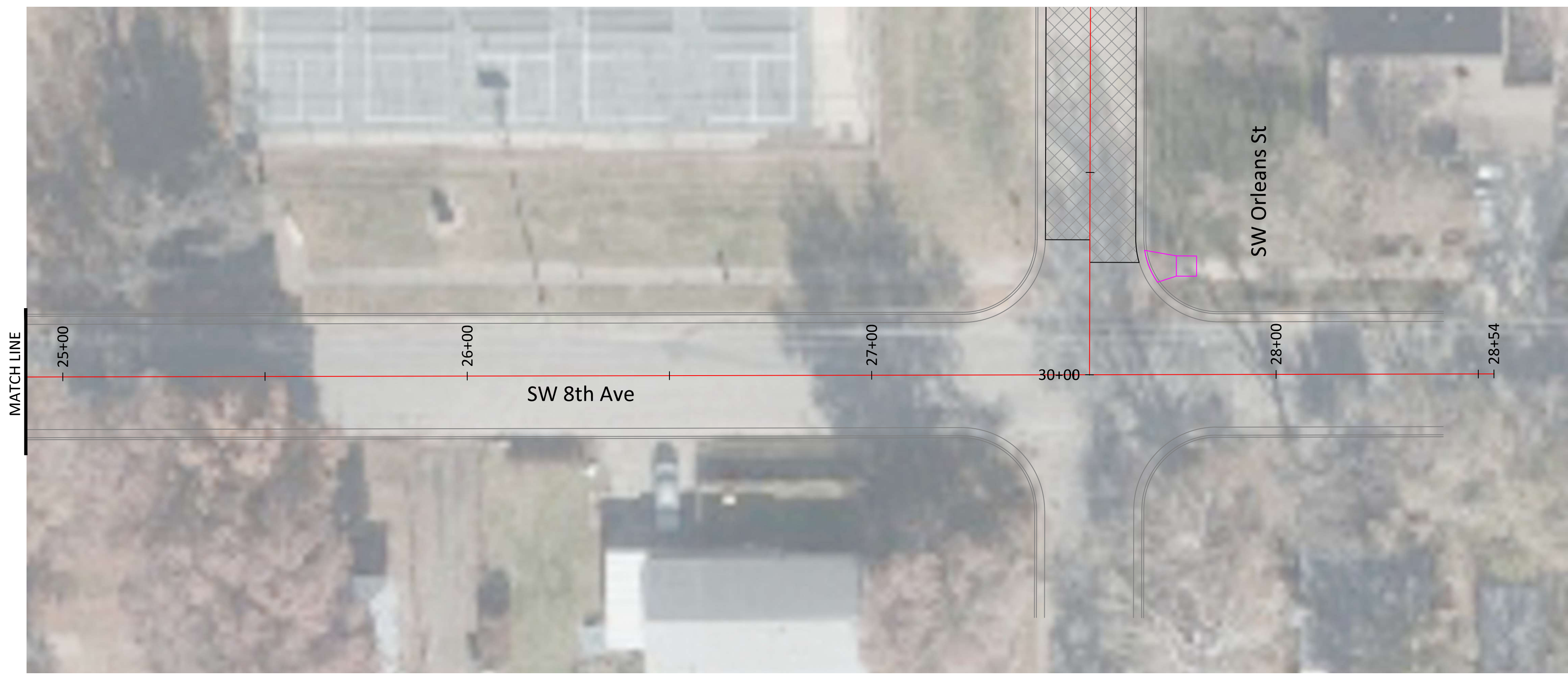
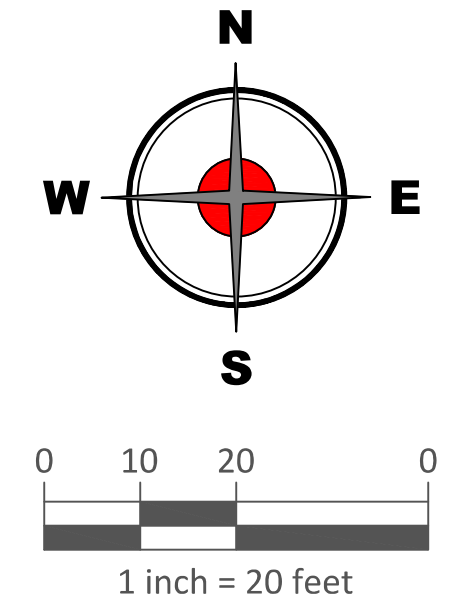
**TOPEKA**  
 Public Works  
 ENGINEERING  
 515 S. KANSAS AVENUE SUITE 301 • TOPEKA, KS 66603-3417  
 Phone: (785) 368-3842 • Fax: (785) 368-3881

**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

**SITE PLAN - 7TH ST**

DATE: 12/1/2025  
 SHEET: 4 of 17  
 PROJ.: 841099.06

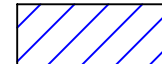




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**NOTE:**

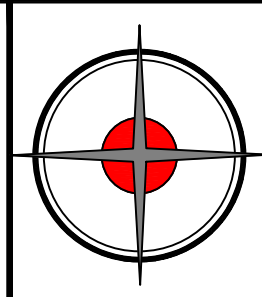
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-  DRIVEWAY
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 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---



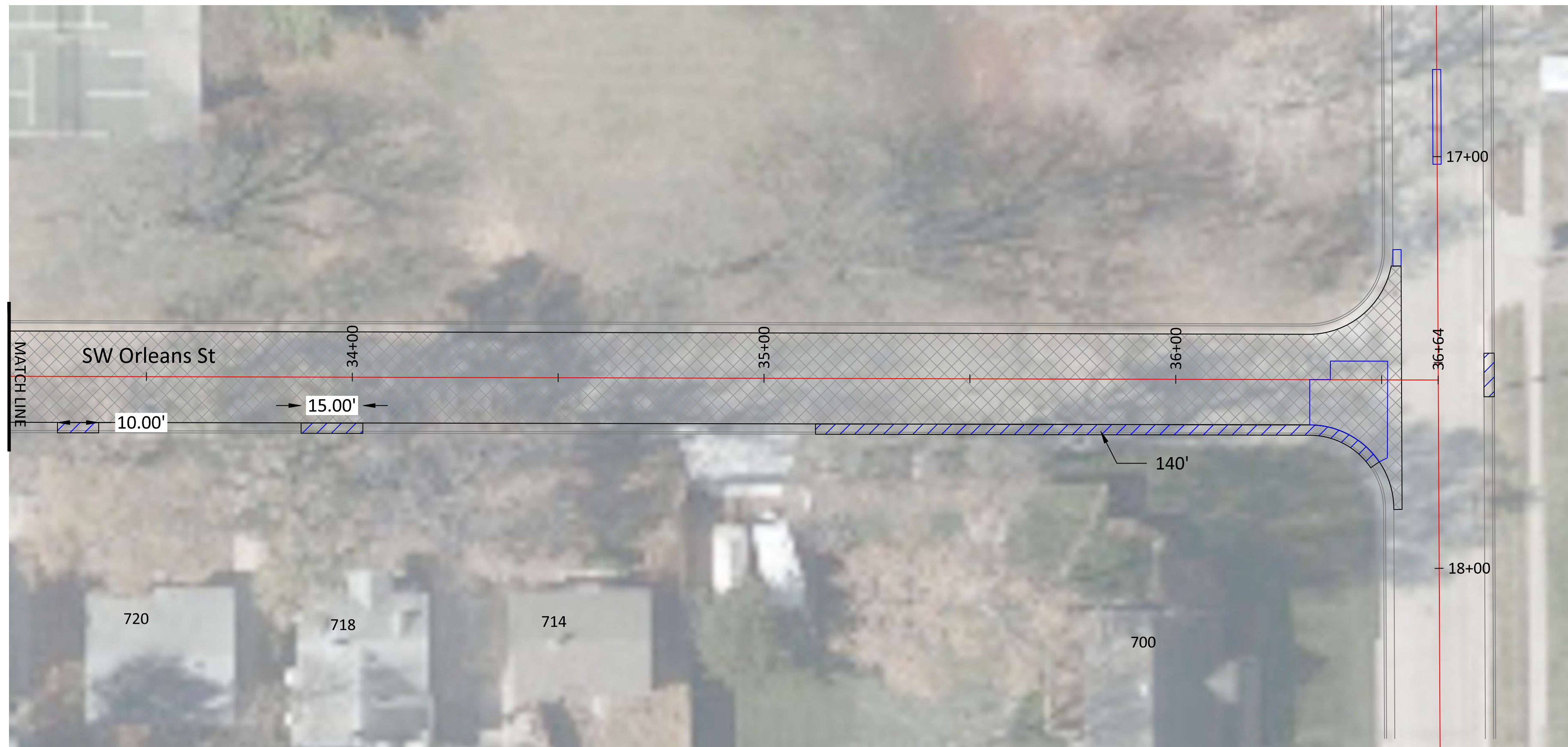
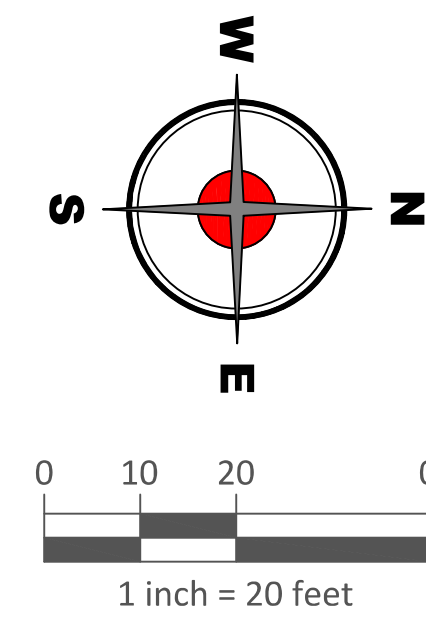
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**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

**SITE PLAN - 8TH AVE**

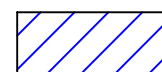

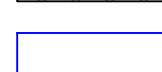


DATE: 12/1/2025  
 SHEET: 5 of 17  
 PROJ.: 841099.06



**NOTE:**

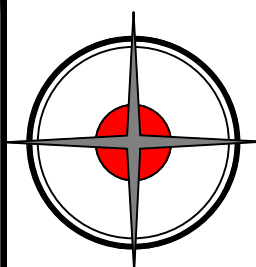
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-  MILL AND OVERLAY
-  CONSTRUCT FULL DEPTH CONCRETE PATCH
-  DRIVEWAY
-  CONSTRUCT SIDEWALK RAMP W/ TRUNCATED DOMES

NO.	DATE:	REVISION	BY:	APP'D

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 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---



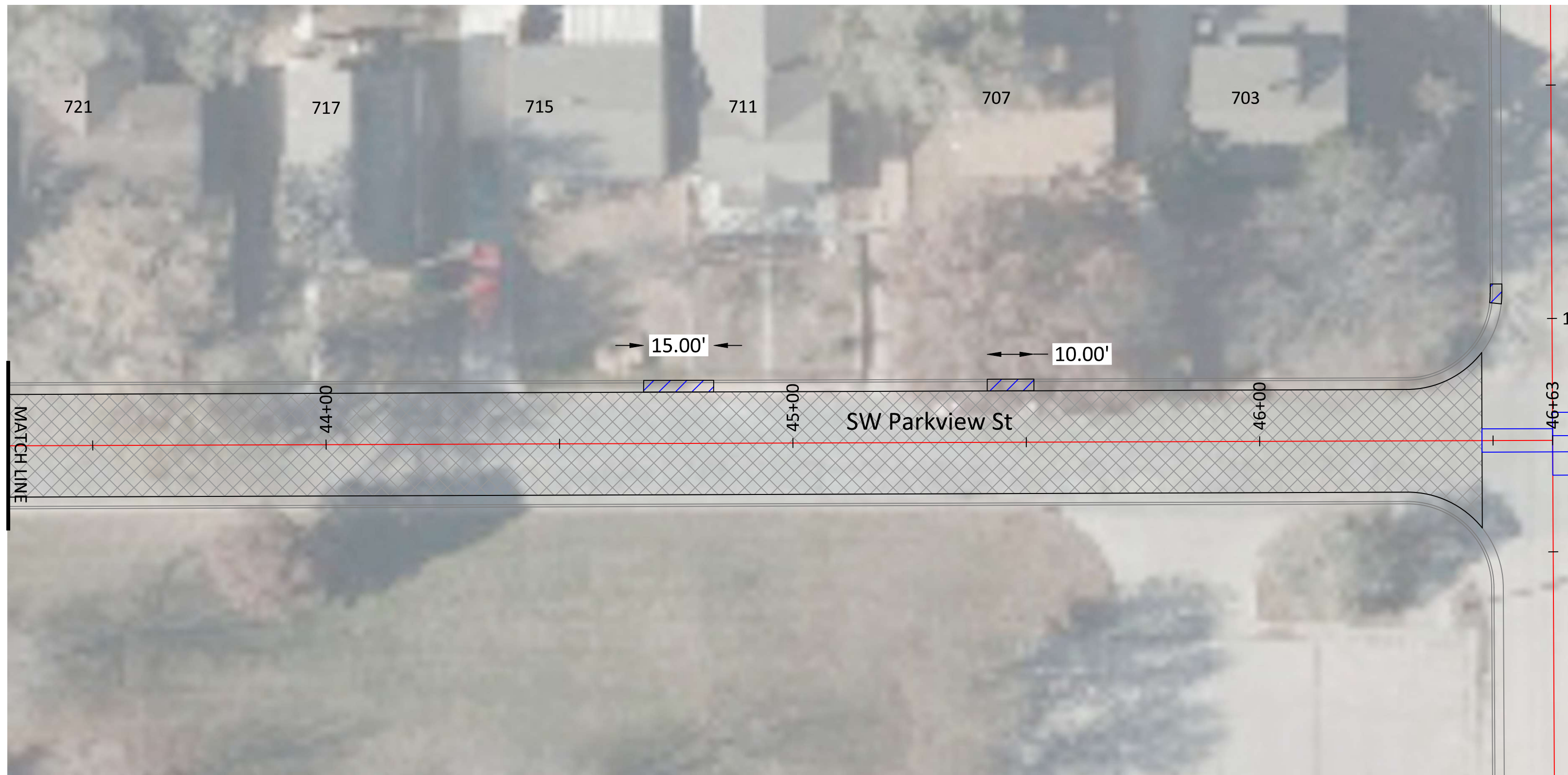
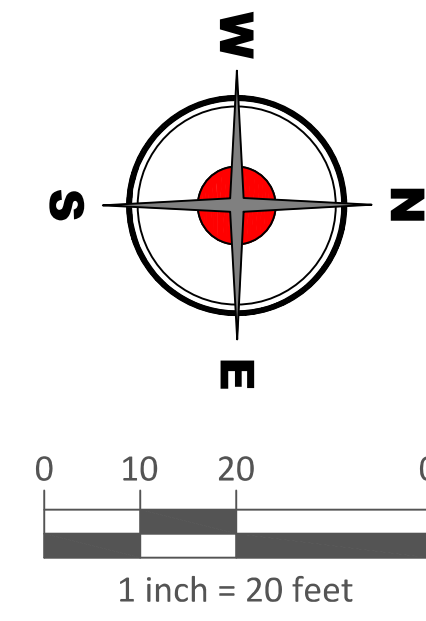
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**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

**SITE PLAN - ORLEANS ST**

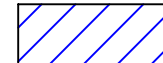




DATE: 12/1/2025  
 SHEET: 6 of 17  
 PROJ.: 841099.06



**NOTE:**

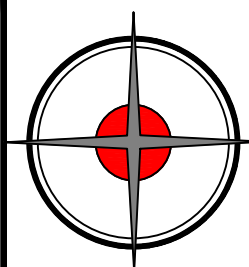
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**LEGEND**

-  CONSTRUCT CURB AND GUTTER
-  MILL AND OVERLAY
-  CONSTRUCT FULL DEPTH CONCRETE PATCH
-  DRIVEWAY
-  CONSTRUCT SIDEWALK RAMP W/ TRUNCATED DOMES

NO.	DATE:	REVISION	BY:	APP'D

DRAWN BY: ---  
 APP'D BY: ---  
 FIELD BOOK: ---  
 SURVEYED BY: ---  
 PLOTTED: ---



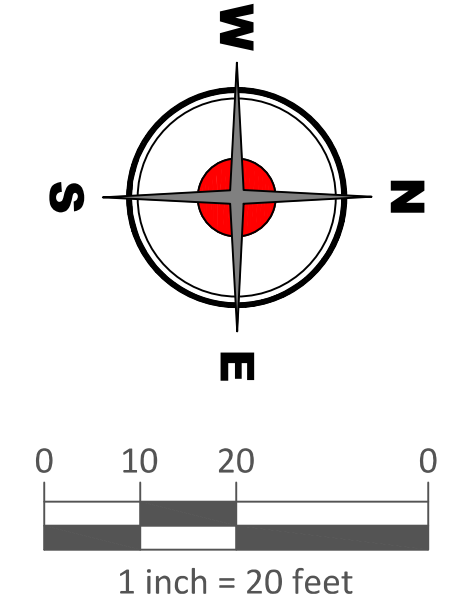
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**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

**SITE PLAN - PARKVIEW ST**

DATE: 12/1/2025  
 SHEET: 7 of 17  
 PROJ.: 841099.06



- NOTE:**
- Alignments shown are for information only.
  - Curb and Gutter location shown is approximate. Locations shall be determined in coordination with the Engineer.
  - All driveways being improved shall be saw cut 2' from curb flowline

LEGEND	
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	MILL AND OVERLAY
	CONSTRUCT FULL DEPTH CONCRETE PATCH
	DRIVEWAY
	CONSTRUCT SIDEWALK RAMP W/ TRUNCATED DOMES

NO.	DATE:	REVISION	BY:	APP'D

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---

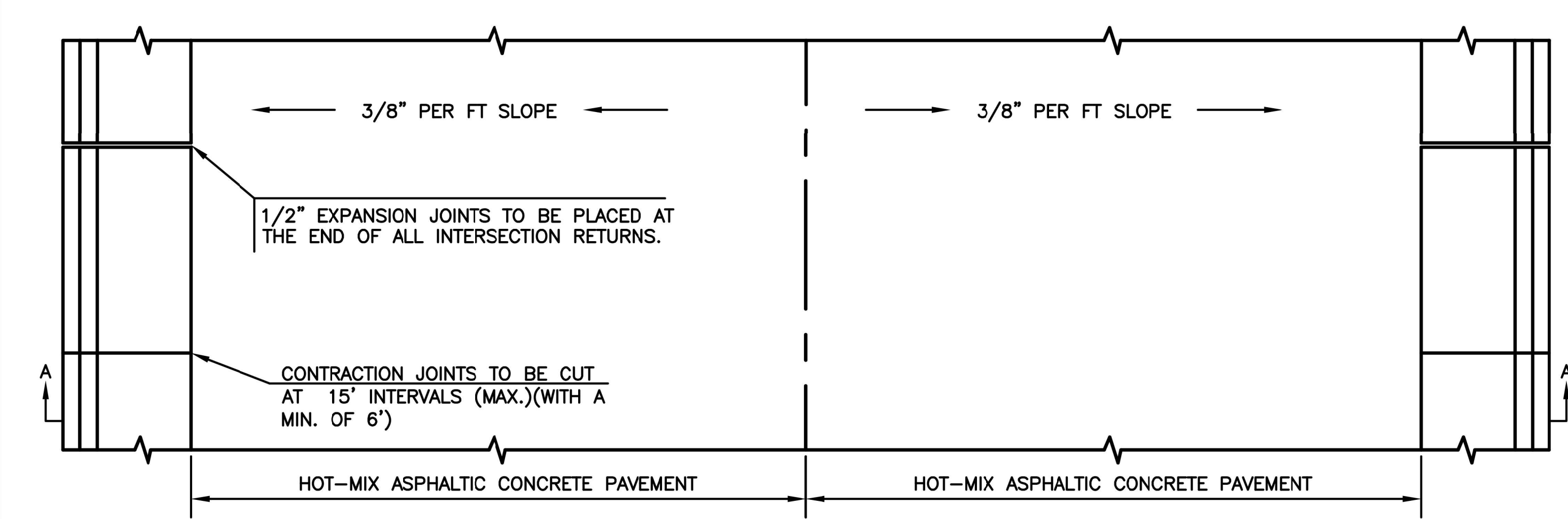
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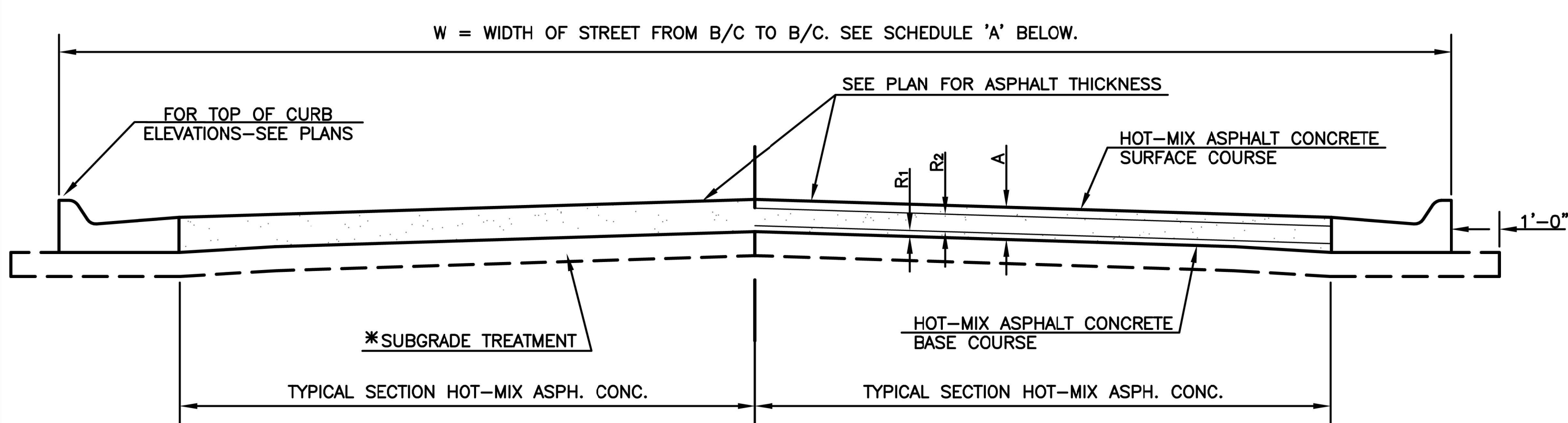
**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

**SITE PLAN - CAMBRIDGE AVE**

DATE: 12/1/2025  
 SHEET: 8 of 17  
 PROJ.: 841099.06



**PLAN**

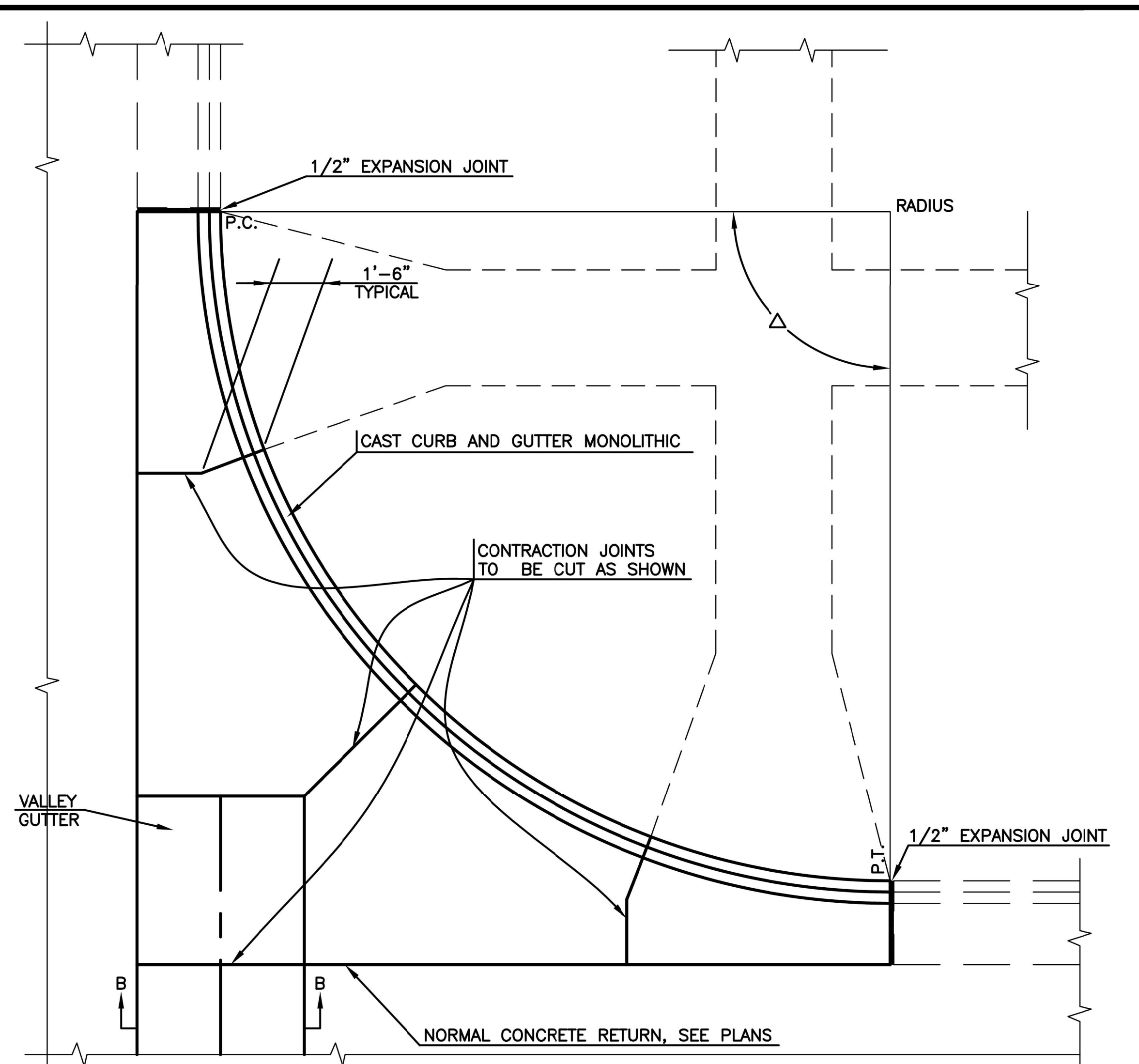


TYPICAL SECTION HOT-MIX ASPH. CONC. PAVE SECTION A-A

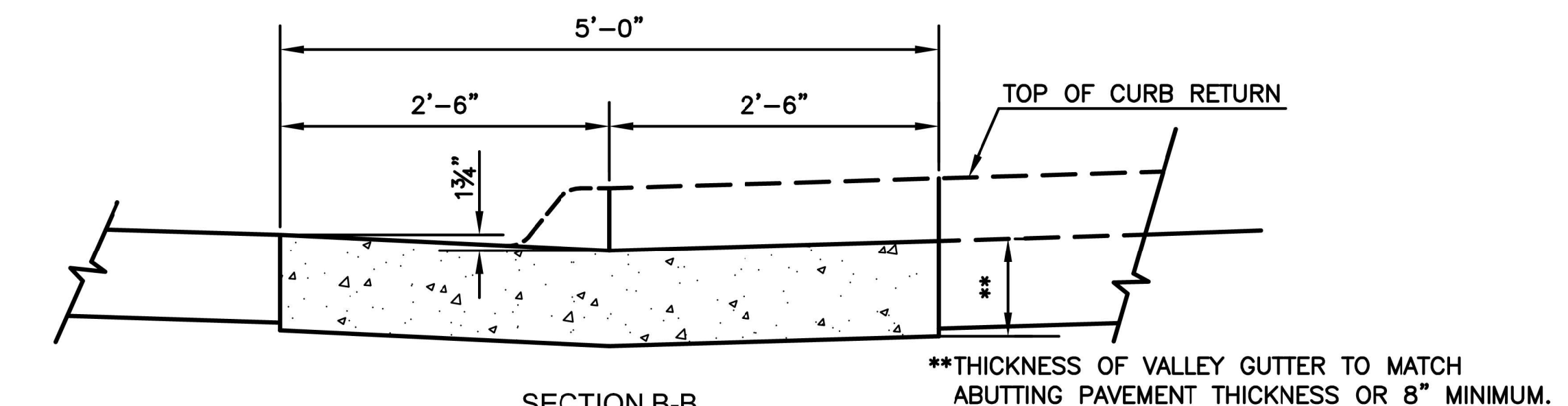
**PAVEMENT DETAILS**

\*SUBGRADE TREATMENT PER GEOTECHNICAL REPORT

SCHEDULE 'A'						
STREET	FROM	TO	W	R <sub>1</sub>	R <sub>2</sub>	A



**TYPICAL JOINTING PLAN**



**VALLEY GUTTER DETAILS**

- NOTES:
1. PAY LENGTH OF VALLEY GUTTER IS FROM P.C. TO P.C. ACROSS STREET INTERSECTION.
  2. PAY WIDTH OF VALLEY GUTTER IS 5'.
  3. PAY AREA OF VALLEY GUTTER IS PAY LENGTH X PAY WIDTH (SQ. YD.)
  4. PAY CURB AND GUTTER FROM P.C. TO P.T. AROUND RADIAL.
  5. NO ADDITIONAL PAYMENT FOR OTHER WORK AND MATERIALS REQUIRED TO COMPLETE RETURN AS DETAILED. SEE PLANS FOR TYPE OF RETURN TO BE CONSTRUCTED.
  6. SAND IS NOT AN APPROVED FILL OR SUBGRADE MATERIAL.
  7. WHERE VALLEY GUTTER ABUTS CONCRETE PAVEMENT, THE VALLEY GUTTER SECTION SHALL BE TIED TO THE CONCRETE PAVEMENT WITH 1/2" x 3'-0" DEFORMED TIE BARS AT 5'-0" CENTERS.
  8. WHERE VALLEY GUTTER IS CONSTRUCTED ADJACENT TO NEW ASPHALT PAVEMENT, THE CONTRACTOR MAY, AT THEIR OPTION, CONSTRUCT A CONTINUOUS ASPHALT PAVEMENT SECTION THROUGH THE VALLEY GUTTER AREA, FOLLOWED BY SAWCUTTING AND REMOVING THE ASPHALT STRIP FOR CONSTRUCTION OF THE VALLEY GUTTER SECTION. NO PAY ADJUSTMENT SHALL BE MADE FROM PLAN QUANTITIES FOR THE ADDITIONAL ASPHALT PAVEMENT THAT IS REMOVED. SAWCUTS SHALL BE FULL DEPTH. THE SUBGRADE MUST MEET COMPACTION REQUIREMENTS IN THE REMOVAL AREA PRIOR TO PLACEMENT OF THE VALLEY GUTTER.

NO.	DATE	REVISION	BY	APP'D

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---/---/---

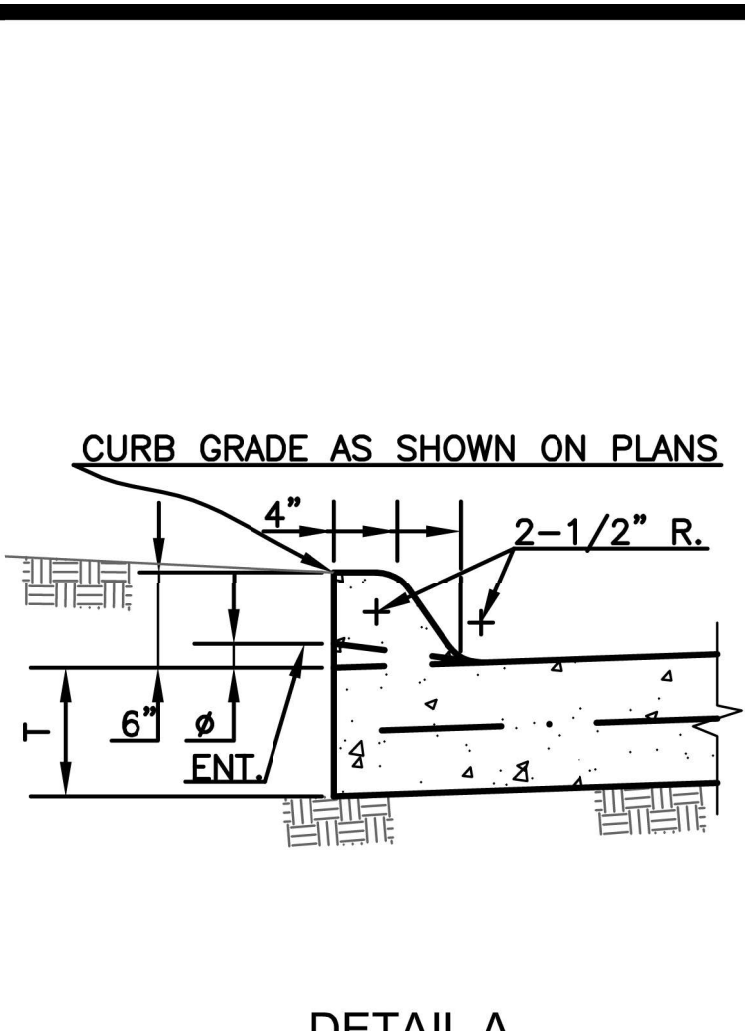
**DRIGGS DESIGN GROUP, PA**  
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**HUGHES PARK AREA STREET IMPROVEMENTS**  
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**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

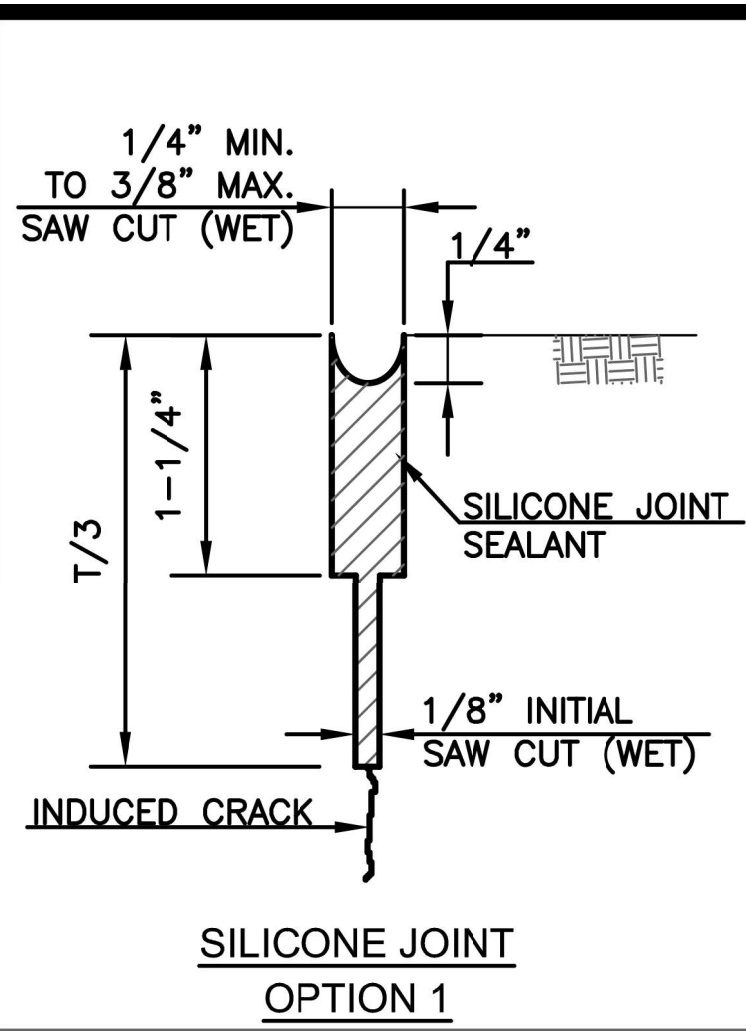
**ASPHALT CONCRETE PAVEMENT DETAILS**

DATE: 11/4/2025  
 SHEET: 9 of 17  
 PROJ.: 841099.06

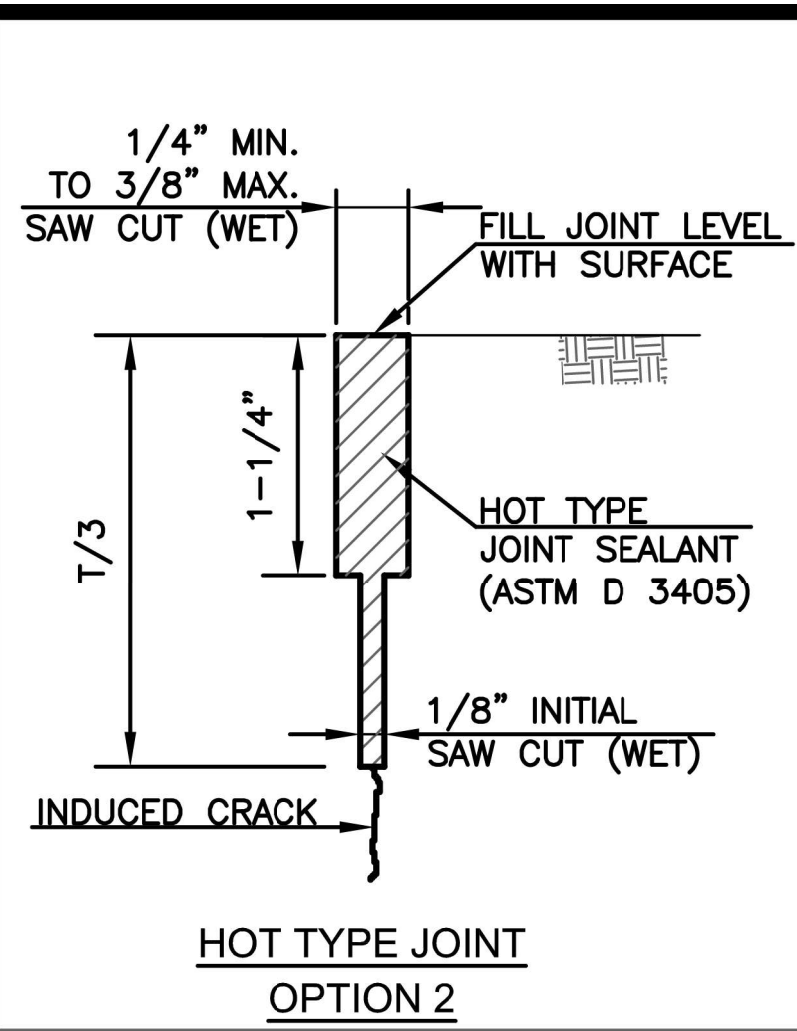


DETAIL A

6" INTEGRAL CURB  
 Ø 1-1/2" FOR DRIVE ENTRANCES  
 AND 3/4" FOR SIDEWALK RAMPS.

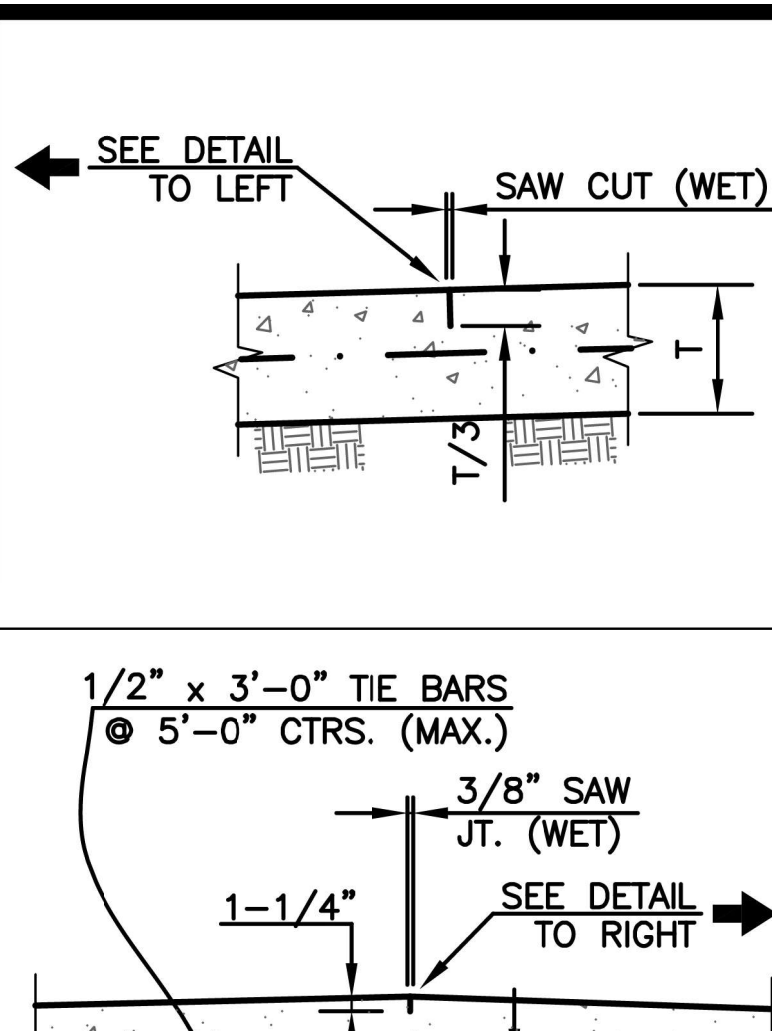


SILICONE JOINT  
OPTION 1



HOT TYPE JOINT  
OPTION 2

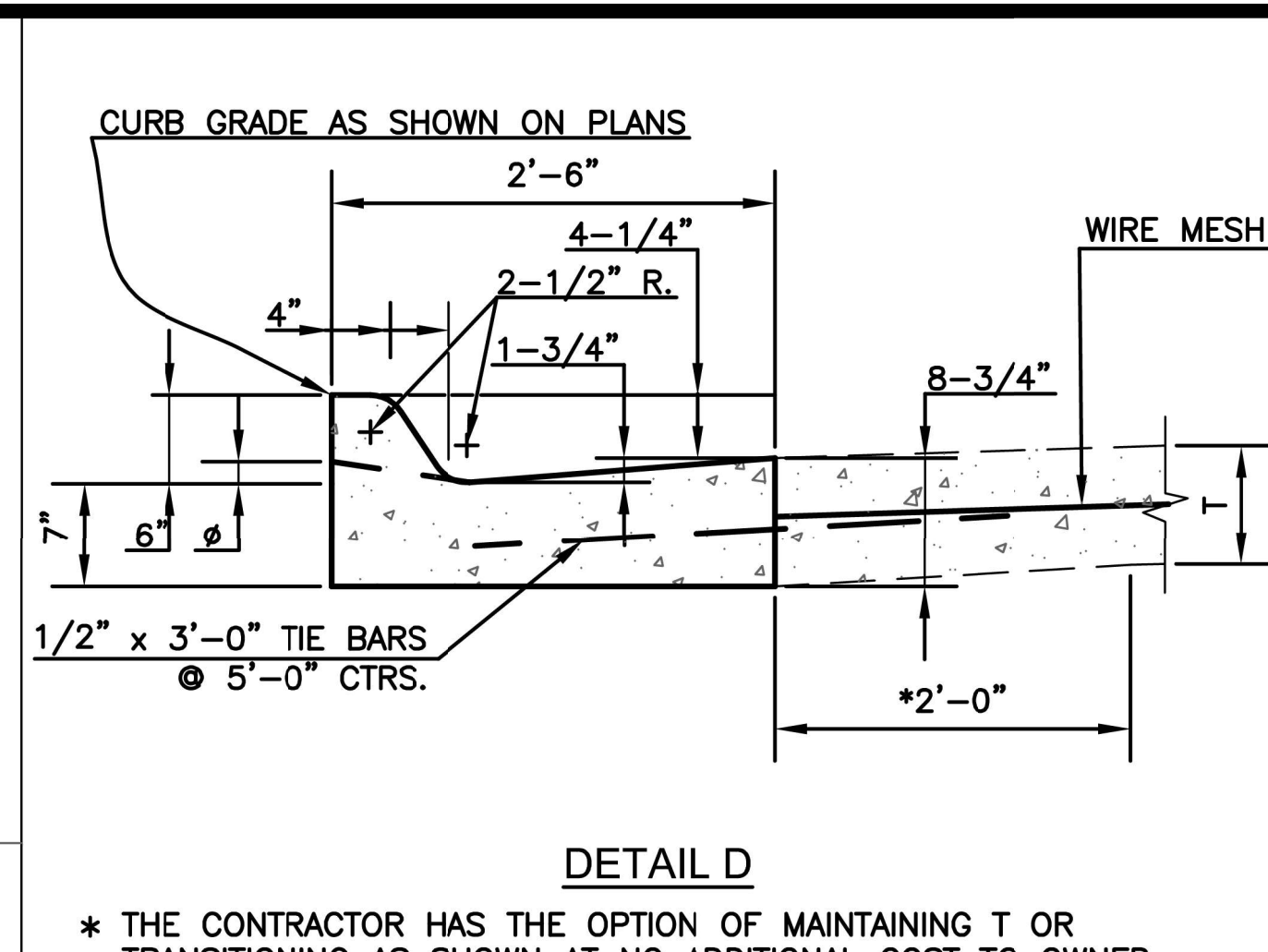
TRANSVERSE AND LONGITUDINAL CONTRACTION JOINTS



DETAIL C

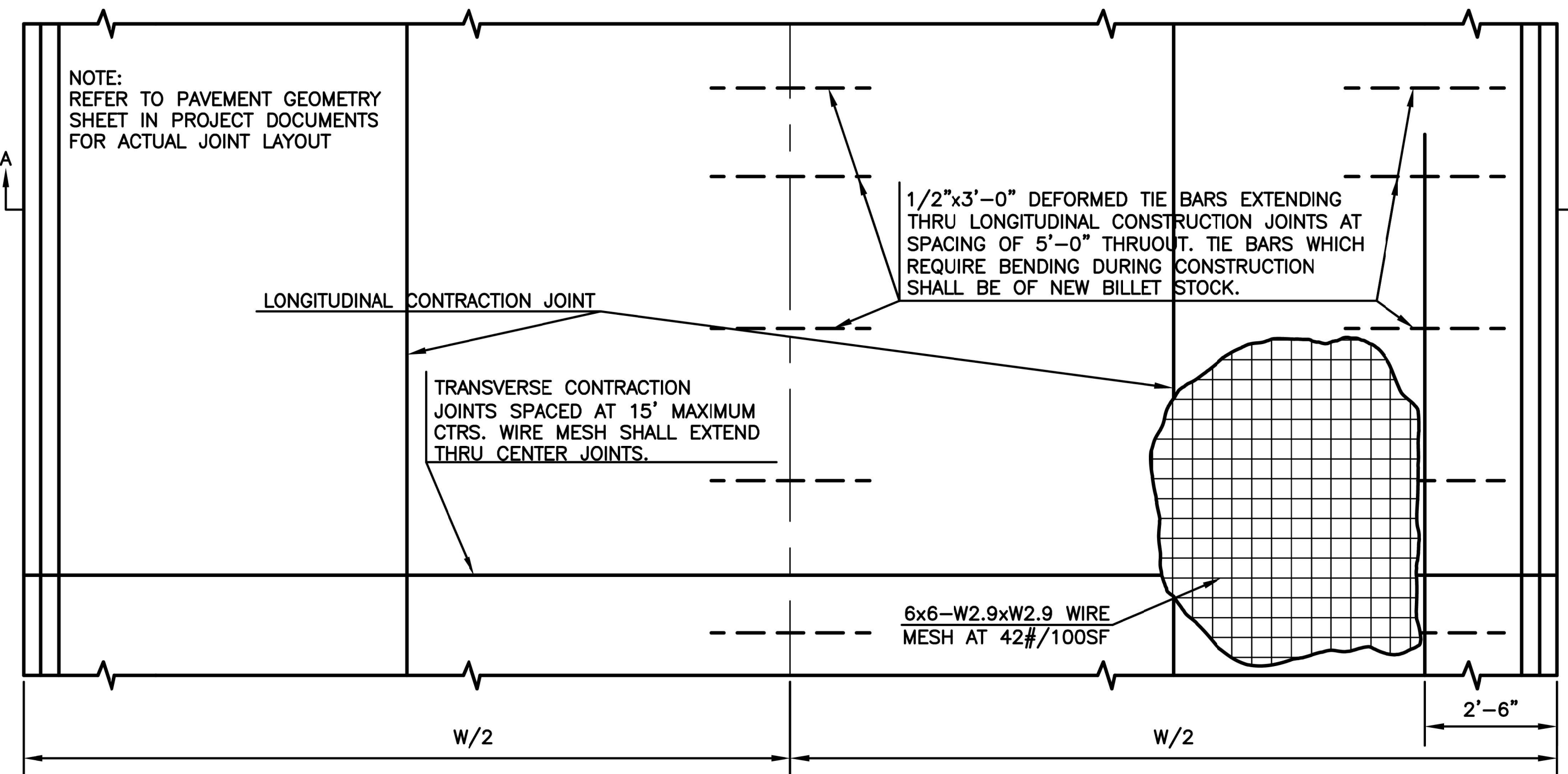
TRANSVERSE AND LONGITUDINAL BUTT JOINTS

NOTE:  
 AT THE BEGINNING AND END OF THE PAVEMENT ON ANY GIVEN PROJECT A CONSTRUCTION JOINT AS OUTLINED IN THE STANDARD SPECIFICATIONS AND SHOWN ABOVE SHALL BE USED UNLESS THE PAVEMENT ABUTS A RIGID SURFACE. THE HEADER SHALL BE REMOVED AND THE TIE BARS BENT INTO THE GROOVE AT RIGHT ANGLES TO THE CENTERLINE OF THE PAVEMENT.



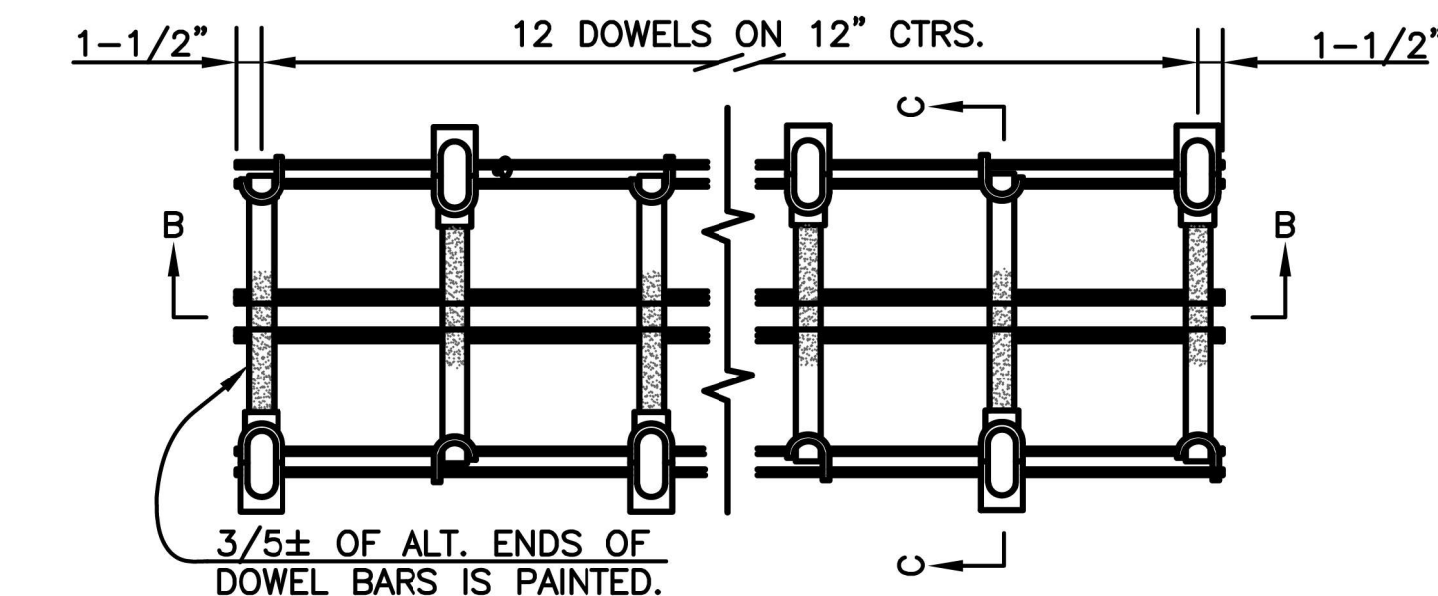
DETAIL D

\* THE CONTRACTOR HAS THE OPTION OF MAINTAINING T OR TRANSITIONING AS SHOWN AT NO ADDITIONAL COST TO OWNER.  
 Ø 1-1/2" FOR DRIVE ENTRANCES AND 3/4" FOR SIDEWALK RAMPS.



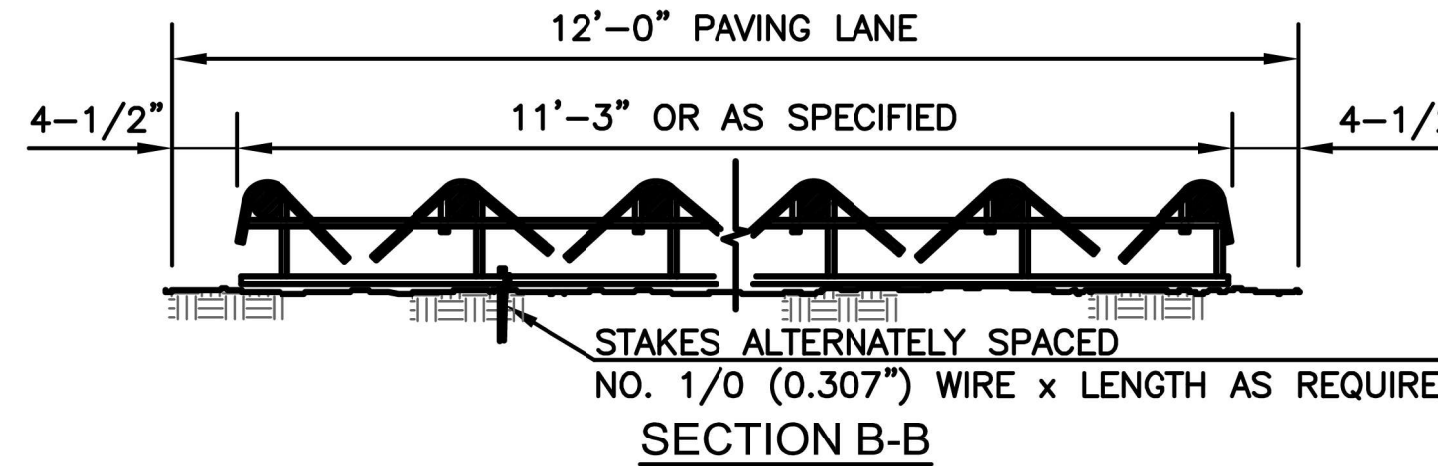
PLAN VIEW

NOTE: STANDARD LANE WIDTH = 11'-0"

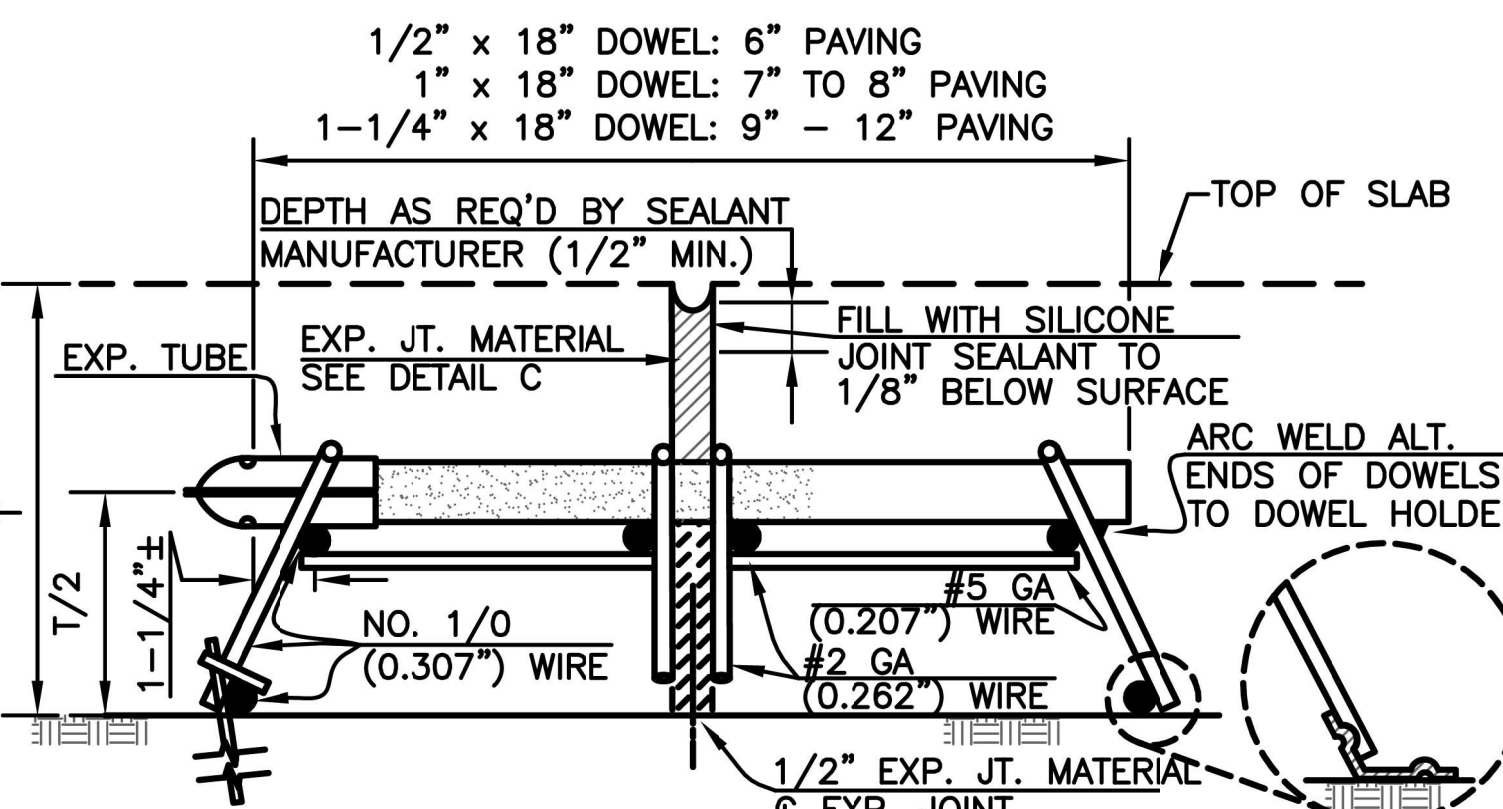


PLAN VIEW OF WELDED  
EXPANSION JOINT ASSEMBLY

NOTES:  
 1. DOWELS, PLAIN ROUND PER A.S.T.M. A-615, GRADE 40 OR AS SPECIFIED.  
 2. UNIT-WIRED TOGETHER FOR QUICK DISASSEMBLE AND PLACEMENT OF EXPANSION AND FILLER IN FIELD.  
 3. ALL WIRE SIZES SHOWN ARE MINIMUM. DOWELS, PLAIN ROUND PER A.S.T.M. A-615, GRADE



SECTION B-B



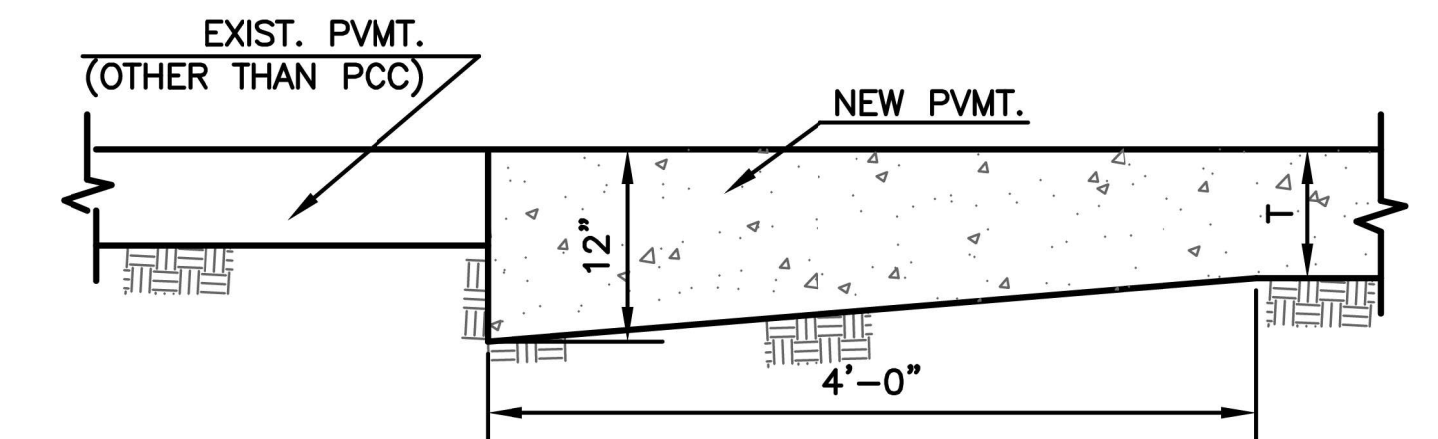
SECTION C-C

18 GA SAND PLATE  
ALTERNATE



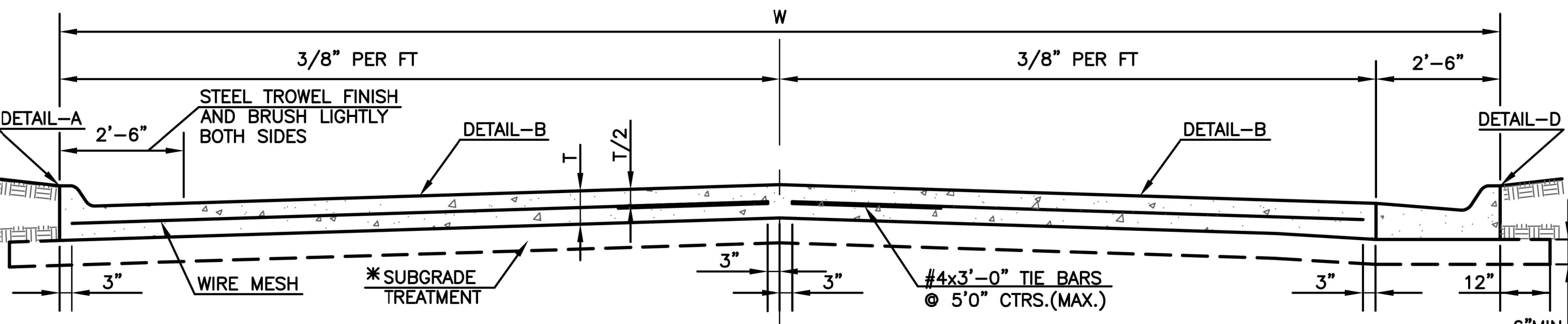
DETAIL OF LAP  
WIRE MESH

NOTE:  
 THE LAP WIRE SHALL EXTEND BEYOND THE FIRST TRANSVERSE WIRE OF EACH SHEET. THE SHEET SHALL BE WIRED SECURELY AT THE EDGES AND AT INTERVALS NOT TO EXCEED 2'-6" FOR THE FULL WIDTH OF THE SHEET. APPROXIMATE WEIGHT OF WIRE MESH = 42 LBS./100 SQ. FT. OTHER METHODS FOR FASTENING THE SHEETS OF WIRE MESH AT THE LAPS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.



DETAIL OF JOINT AT  
EXISTING PAVEMENT

NOTES:  
 1. SAND IS NOT AN APPROVED FILL OR SUBGRADE MATERIAL.  
 2. WHERE NEW PAVEMENT ABUTS EXISTING PCC PAVEMENT, THICKENED SECTION SHALL BE ELIMINATED AND 1" DIA. SMOOTH DOWELS SHALL BE PLACED @ 12" CENTERS. THE DOWELS SHALL BE ARRANGED SIMILAR TO THE DETAIL FOR "FULL PANEL REPAIR & UTILITY CUTS" SHOWN ON MISCELLANEOUS DETAILS I (DT-017).

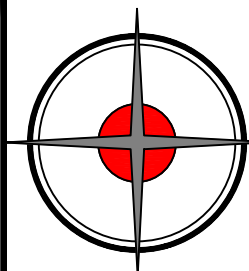


TYPICAL PAVEMENT  
SECTION A-A

\* SUBGRADE TREATMENT PER GEOTECHNICAL REPORT.

NOTE:  
 COMBINED CURB AND GUTTER OR INTEGRAL CURB MAY BE USED WITH CONCRETE PAVEMENT CONSTRUCTION AS DETERMINED BY THE CITY/COUNTY ENGINEER. SEE TYPICAL PAVEMENT SECTION ABOVE.

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---



**DRIGGS DESIGN GROUP, PA**  
 Surveying Engineering Planning  
 MANHATTAN - HAYS - EMPORIA - TOPEKA - GOODLAND

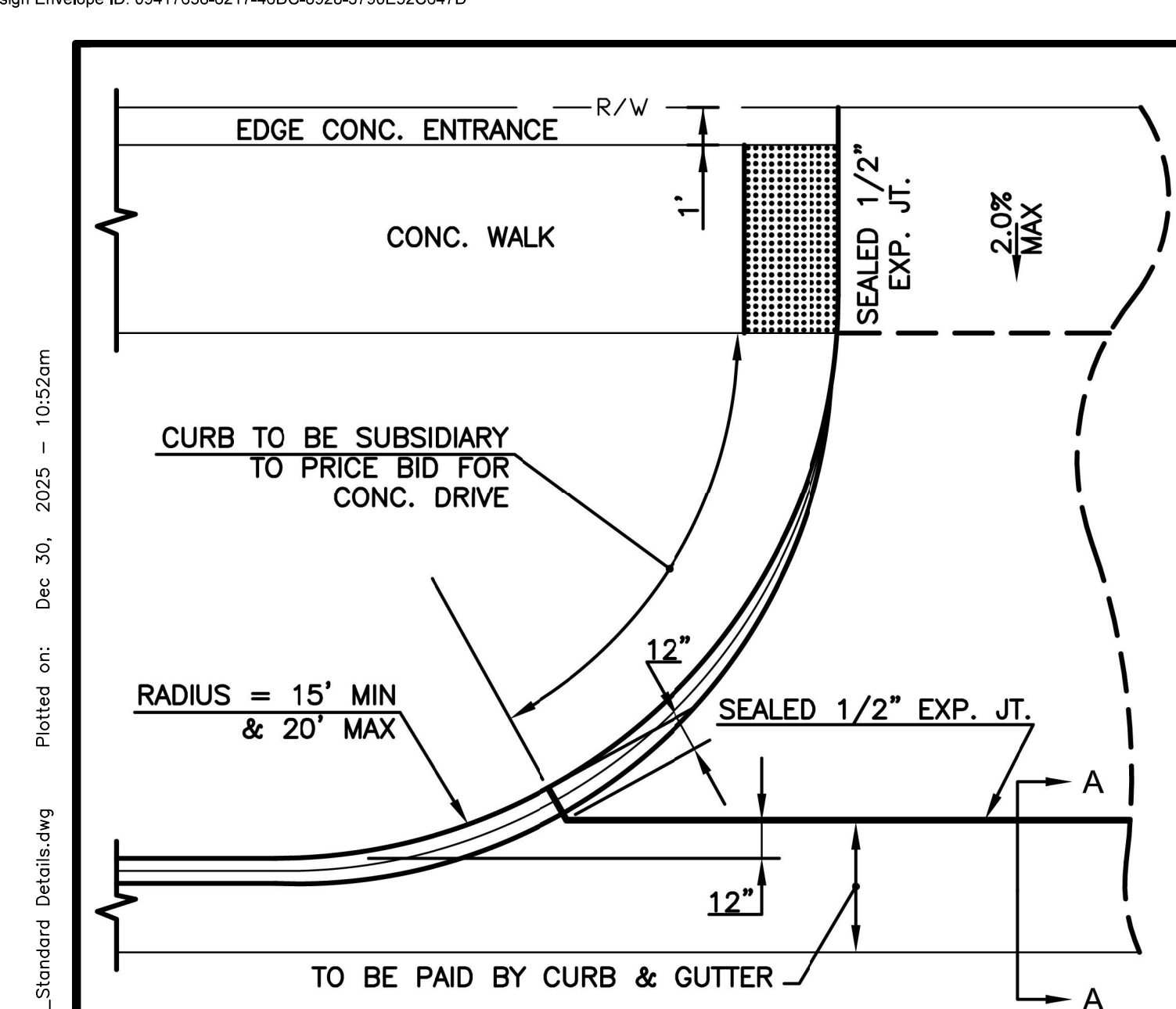
**TOPEKA**  
 Public Works  
 ENGINEERING  
 515 S. MONROE AVENUE SUITE 307 TOPEKA, KS 66603-3417  
 Phone: (785) 368-3842 • Fax: (785) 368-3881

**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

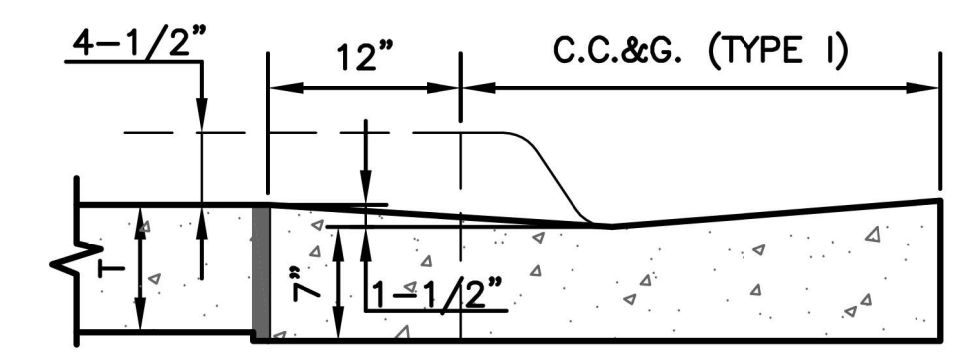
**CONCRETE  
PAVEMENT DETAILS**

DATE: 11/4/2025  
 SHEET: 10 of 17  
 PROJ.: 841099.06

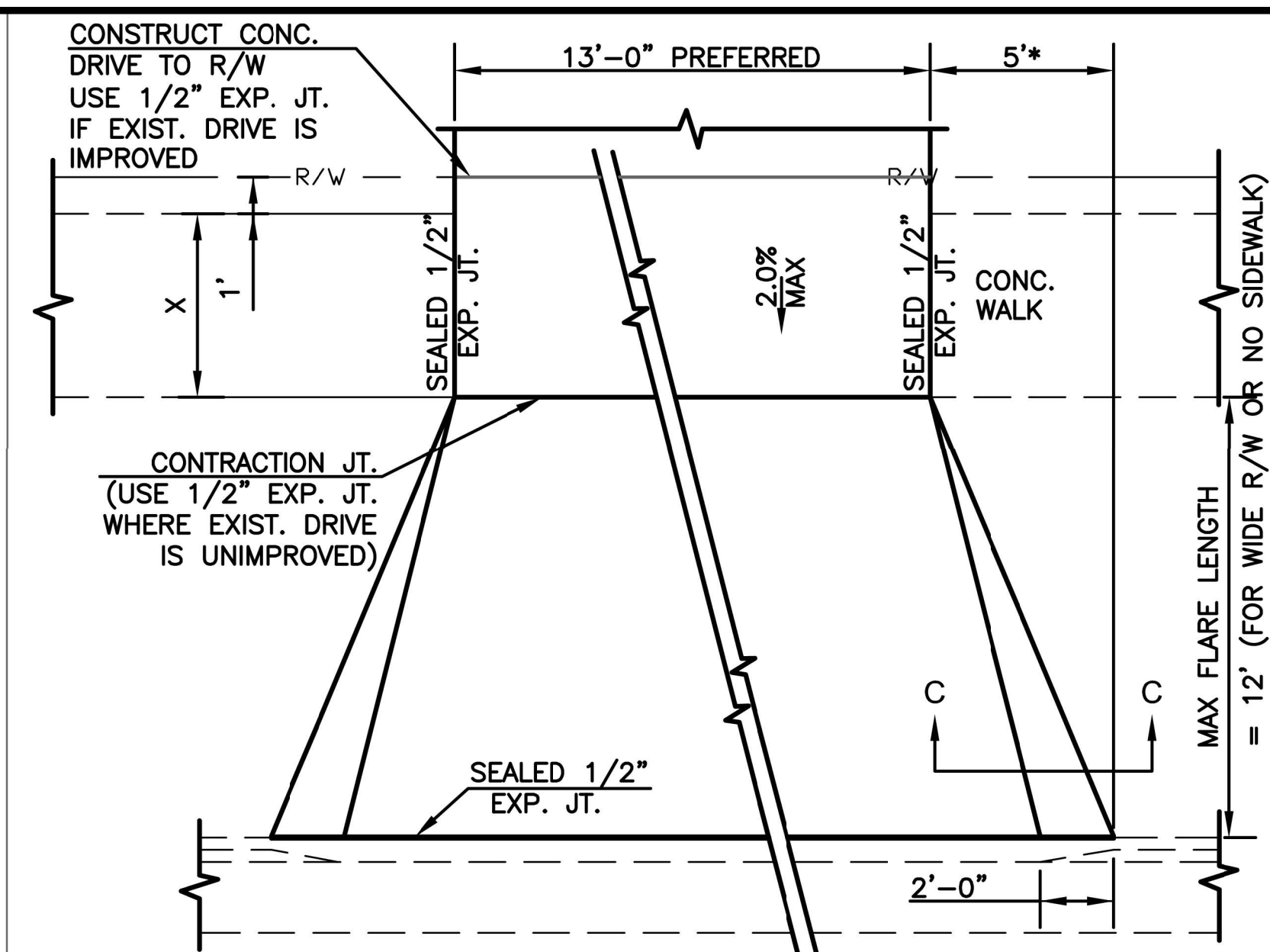
NO.	DATE:	REVISION	BY:	APP'D



**COMMERCIAL DRIVE APPROACH**

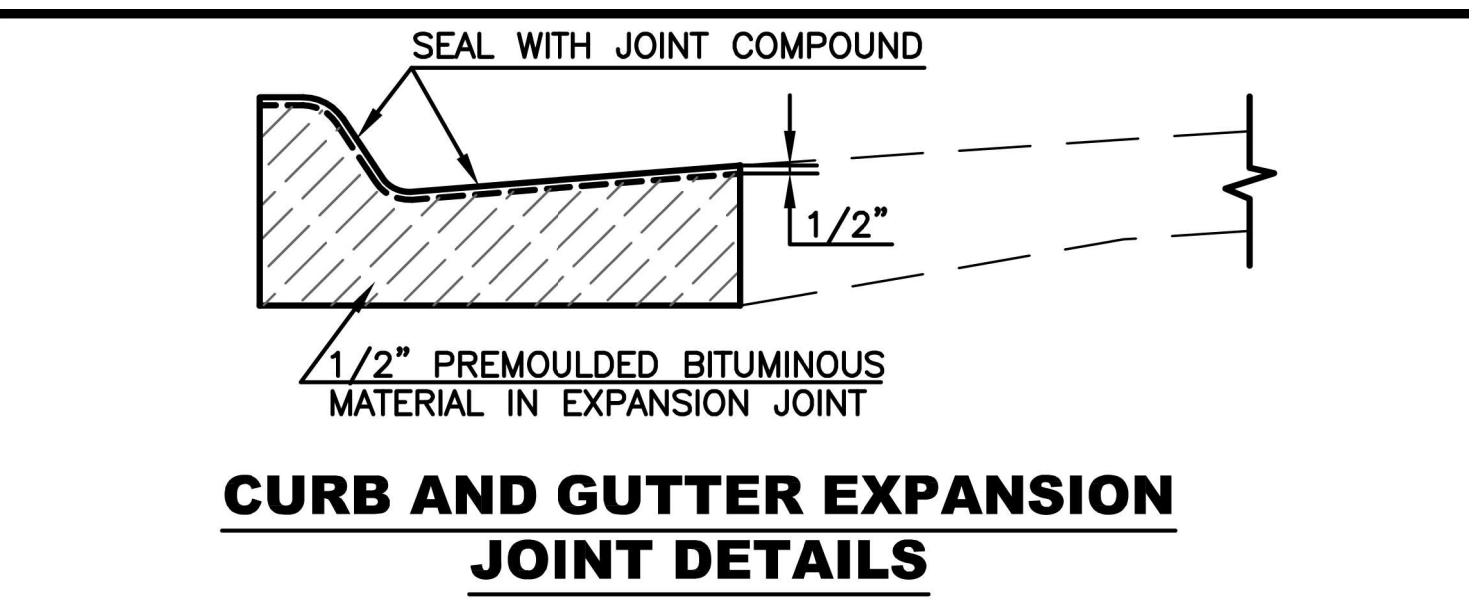
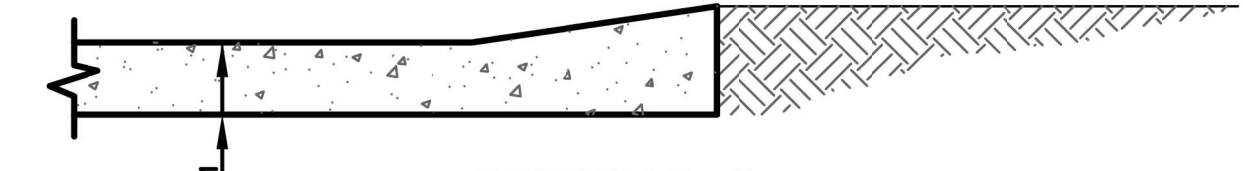


T=8" NON-REINFORCED FOR COMMERCIAL DRIVE, ALLEY APPROACH, AND SIDEWALK IN DRIVE ENTRANCE.

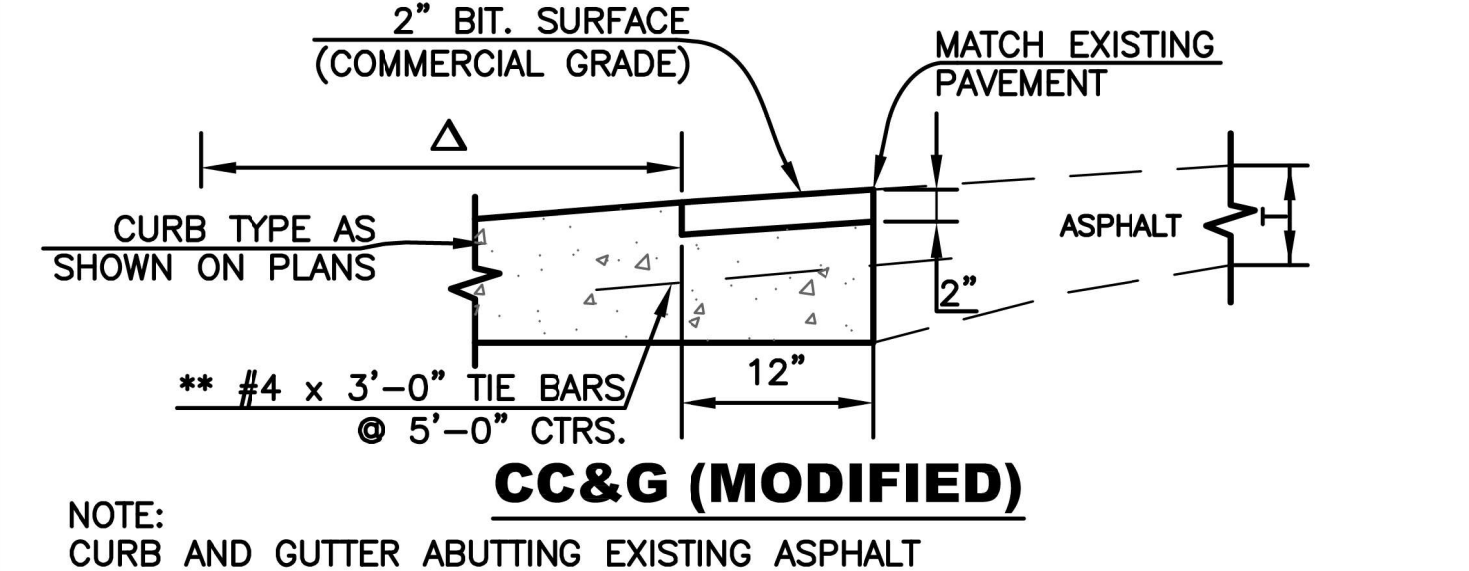
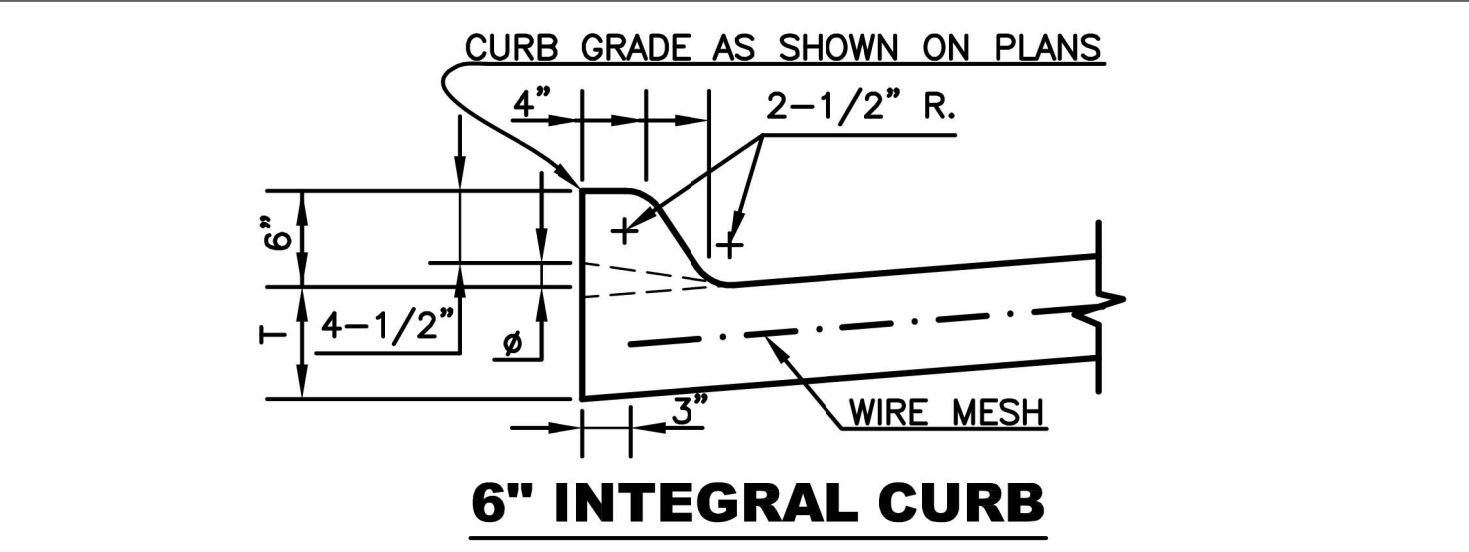


**TYPICAL PRIVATE DRIVE APPROACH**

NOTES:  
 1. A SPECIAL DETAIL WILL BE PROVIDED WHEN SIDEWALK IS CLOSER THAN 6'-0" FROM BACK OF CURB.  
 2. THEORETICAL CURB HEIGHT OF 6" ABOVE  $\bar{E}$  SHALL BE OBTAINED IN ENTRANCE PAVEMENT.  
 \* FLARE SHALL BE 5 FEET WIDE IN NEW CONSTRUCTION. VARIANCES MAY BE MADE WITH APPROVAL OF THE CITY ENGINEER IN SPECIAL CIRCUMSTANCES FOR THE REPLACEMENT OF EXISTING DRIVEWAYS.

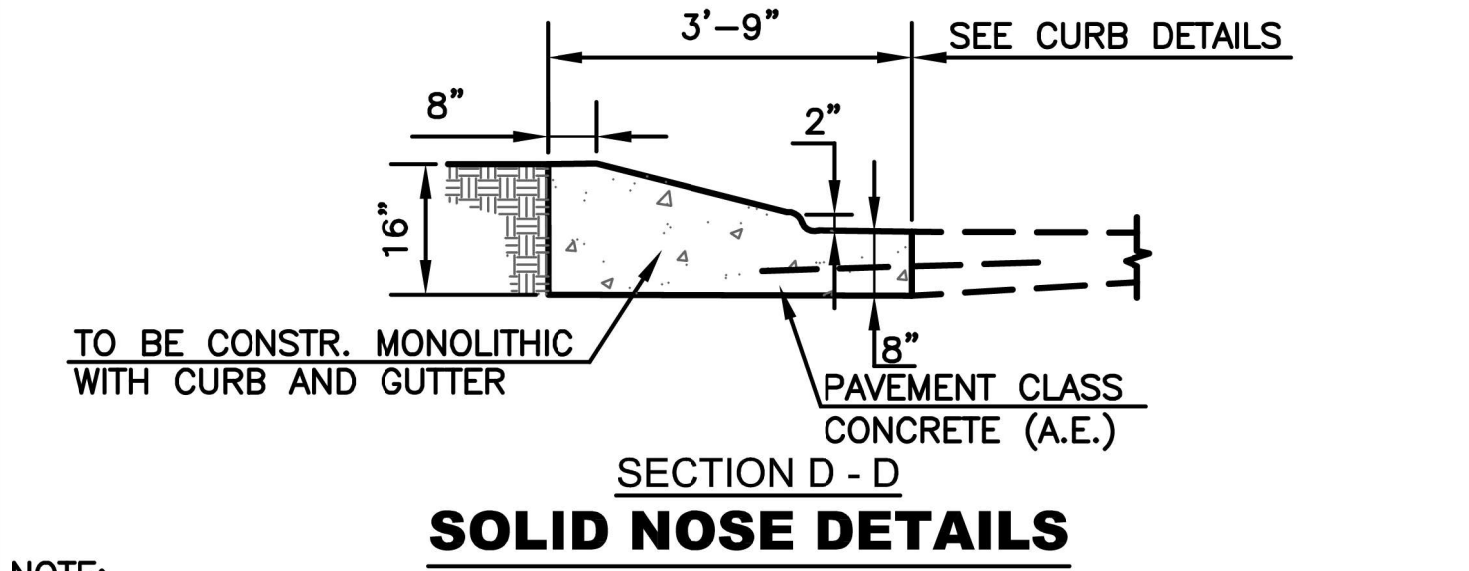
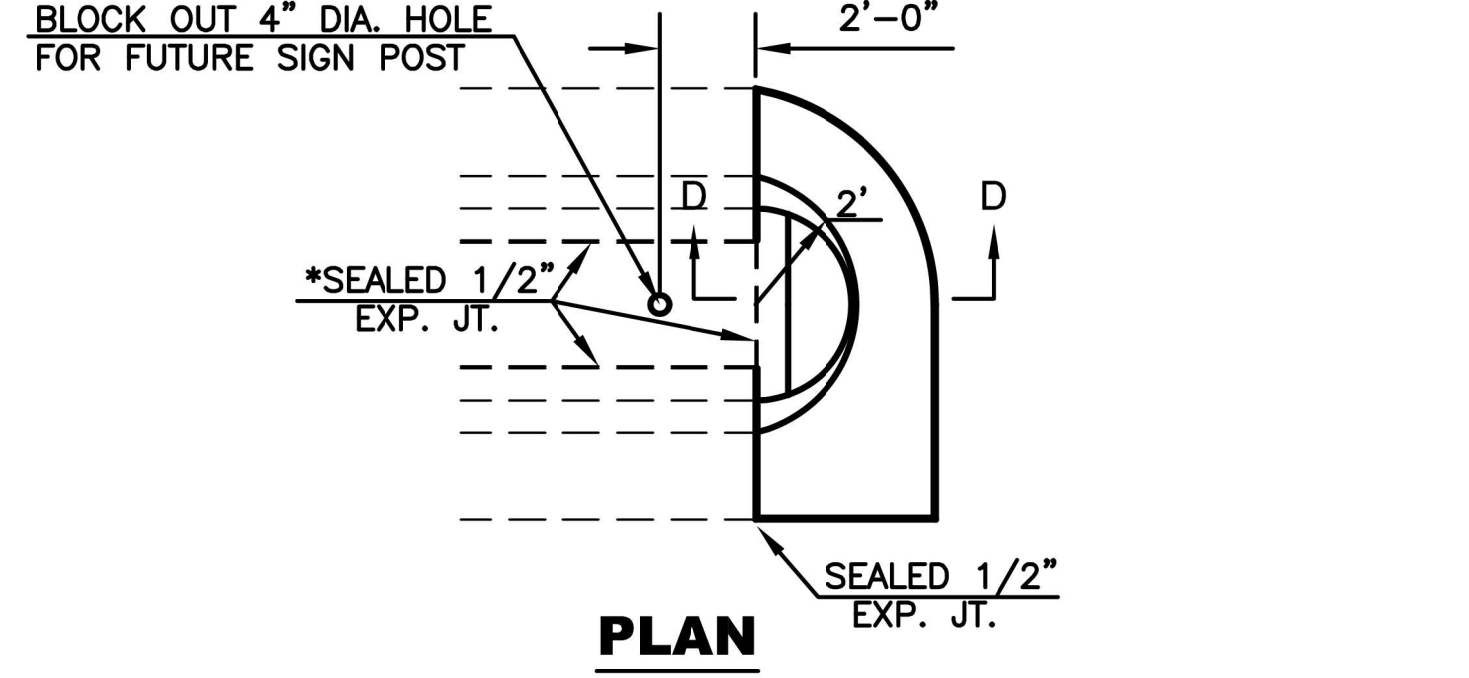


NOTES:  
 1. 1/2" EXPANSION JOINTS TO BE PLACED AT THE END OF ALL INTERSECTION RETURNS.  
 2. SAND IS NOT AN APPROVED FILL OR SUBGRADE MATERIAL.  
 3. ALL EXPANSION JOINTS SHALL BE SEALED WITH APPROVED MATERIAL.



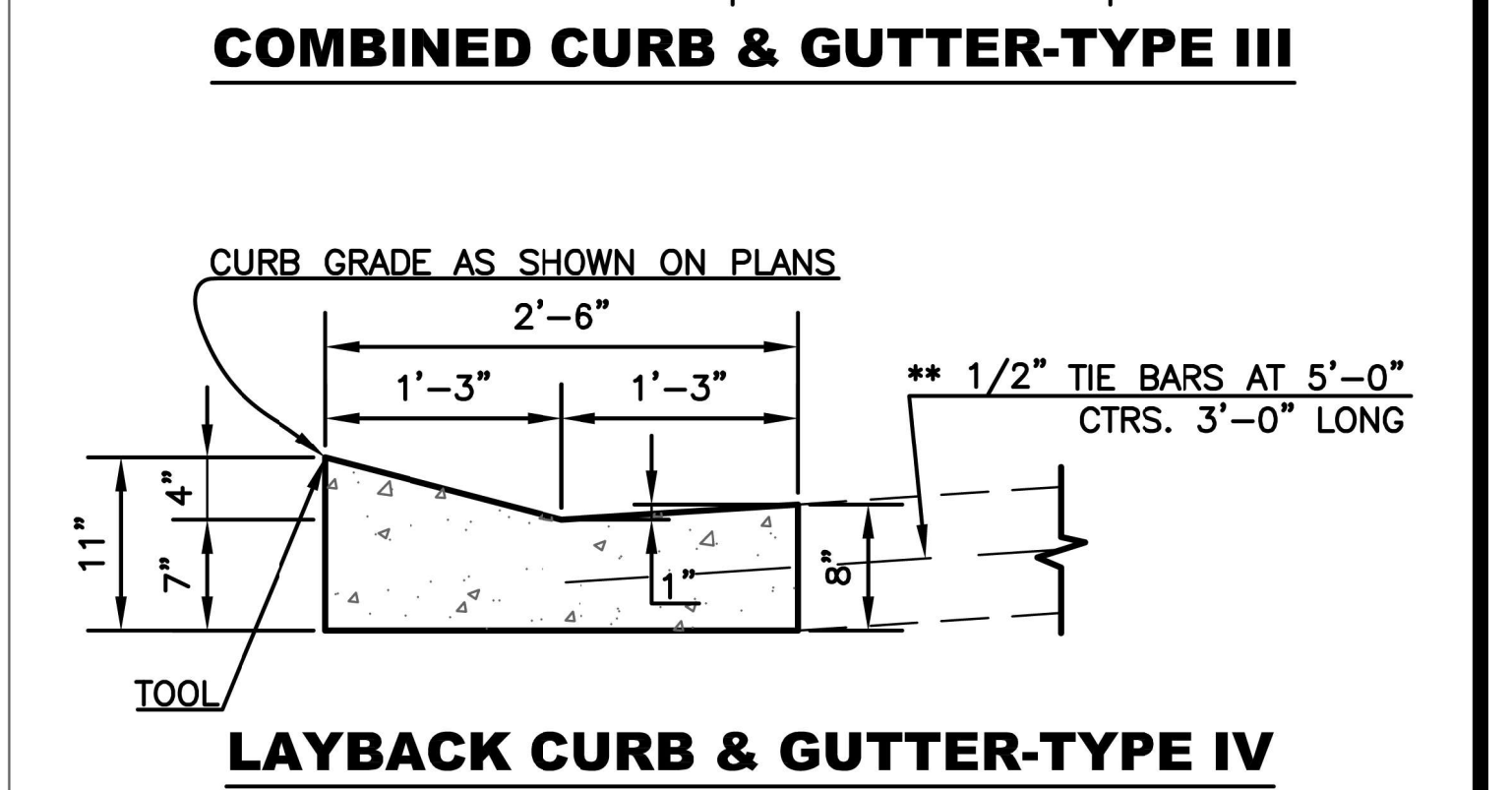
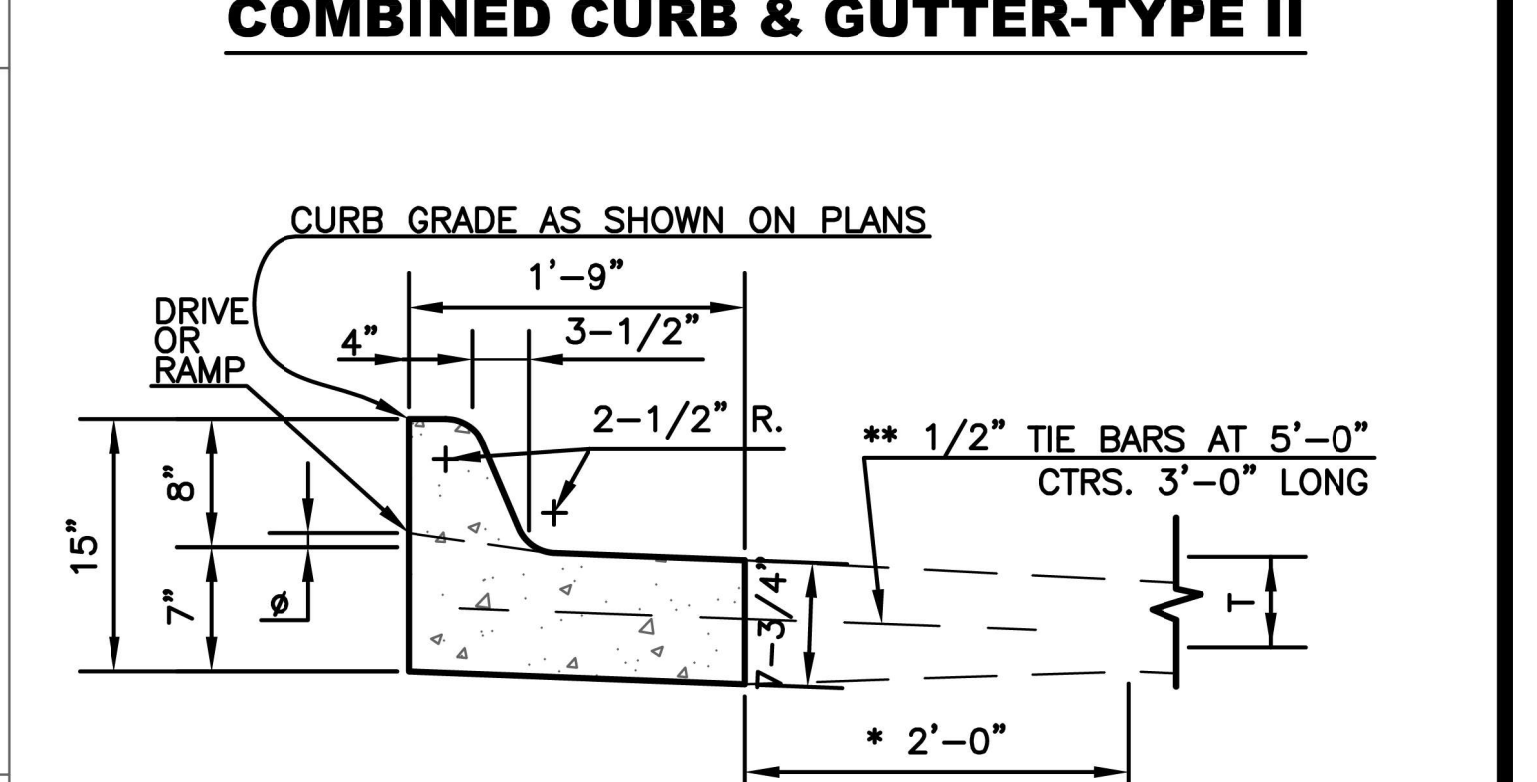
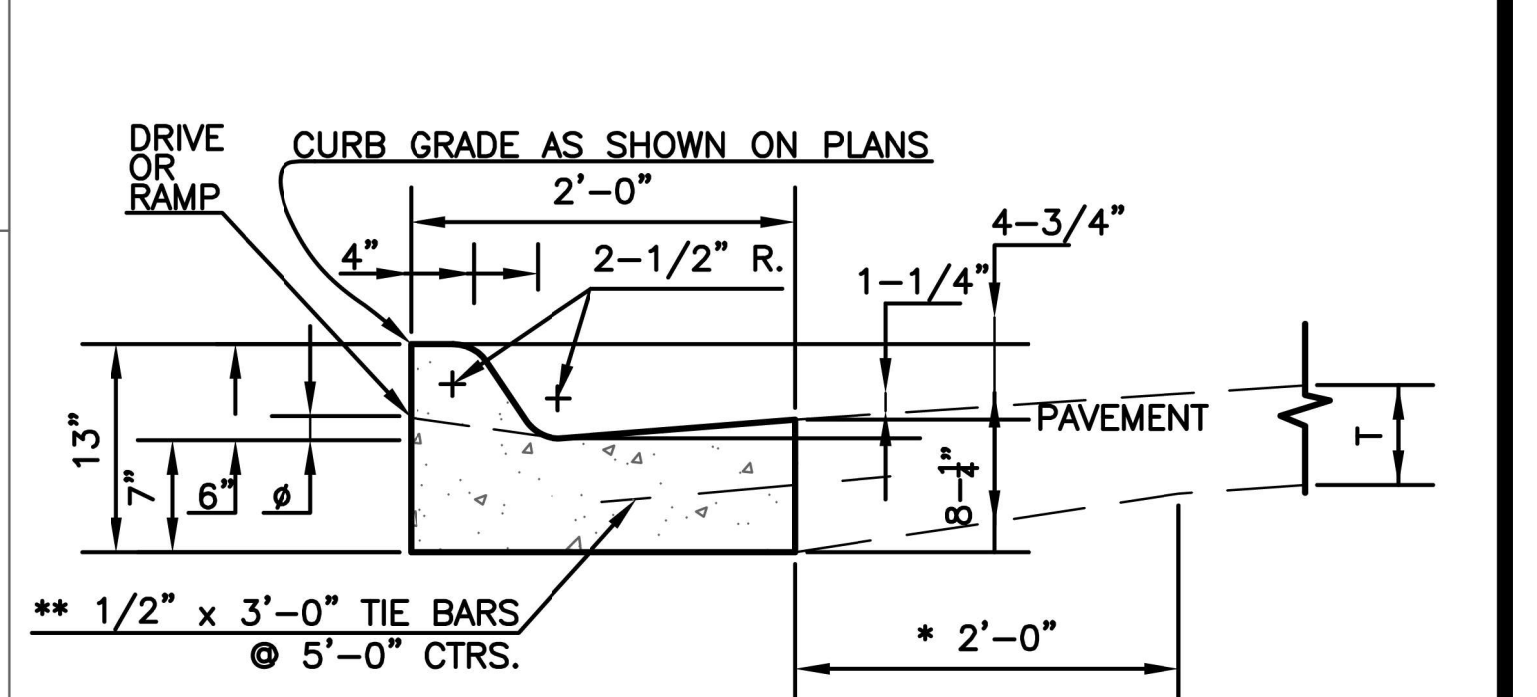
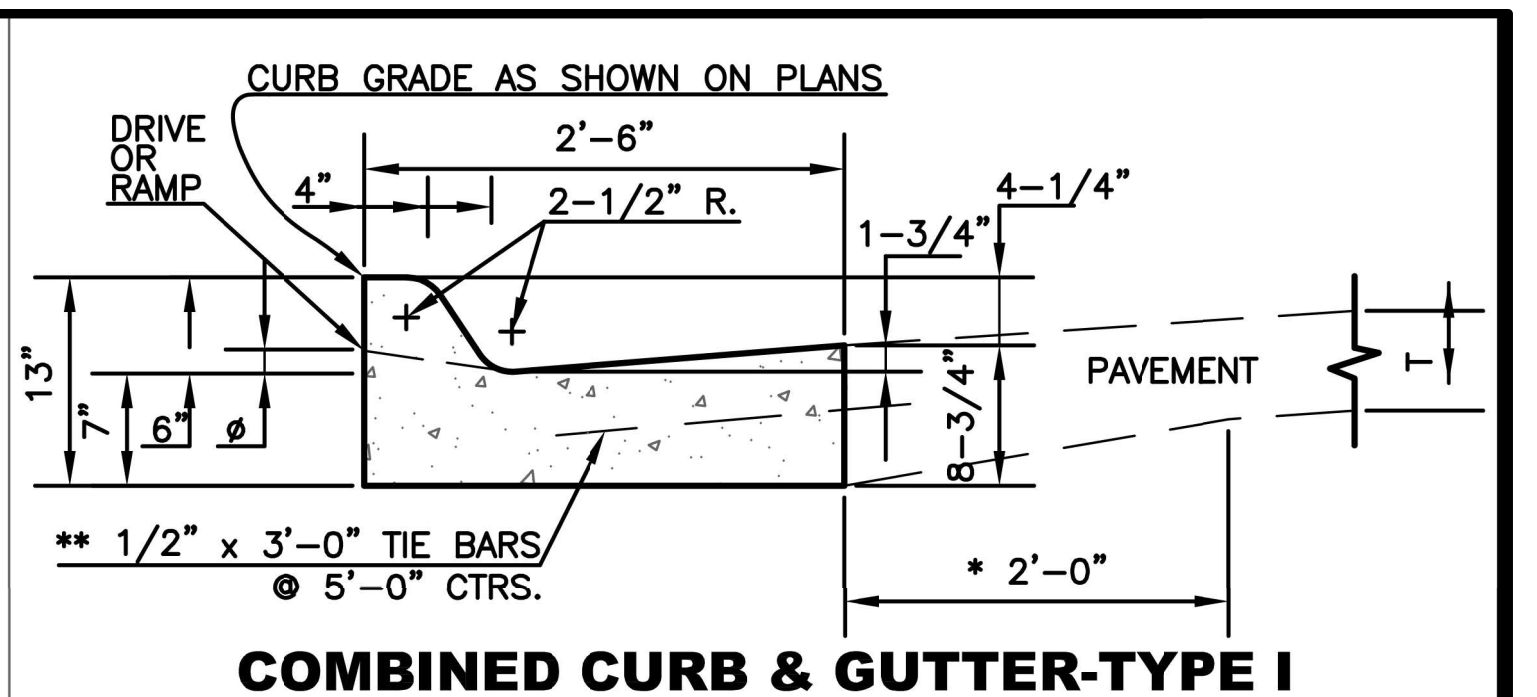
NOTE:  
 CURB AND GUTTER ABUTTING EXISTING ASPHALT

$\Delta$  DIMENSION IS FROM BACK OF CURB TO TOE, SEE APPROPRIATE DETAIL FOR CURB TYPE AS SHOWN ON PLANS



NOTE:  
 PAVEMENT CLASS CONCRETE (AE) NEEDED TO COMPLETE THE MEDIAN NOSE SHALL BE SUBSIDIARY TO THE BID ITEM FOR COMBINED CURB AND GUTTER TYPE III.

\* OMIT SEALED 1/2" EXPANSION JOINT WHEN SURFACE MATERIAL USED IN MEDIAN IS OTHER THAN CONCRETE.

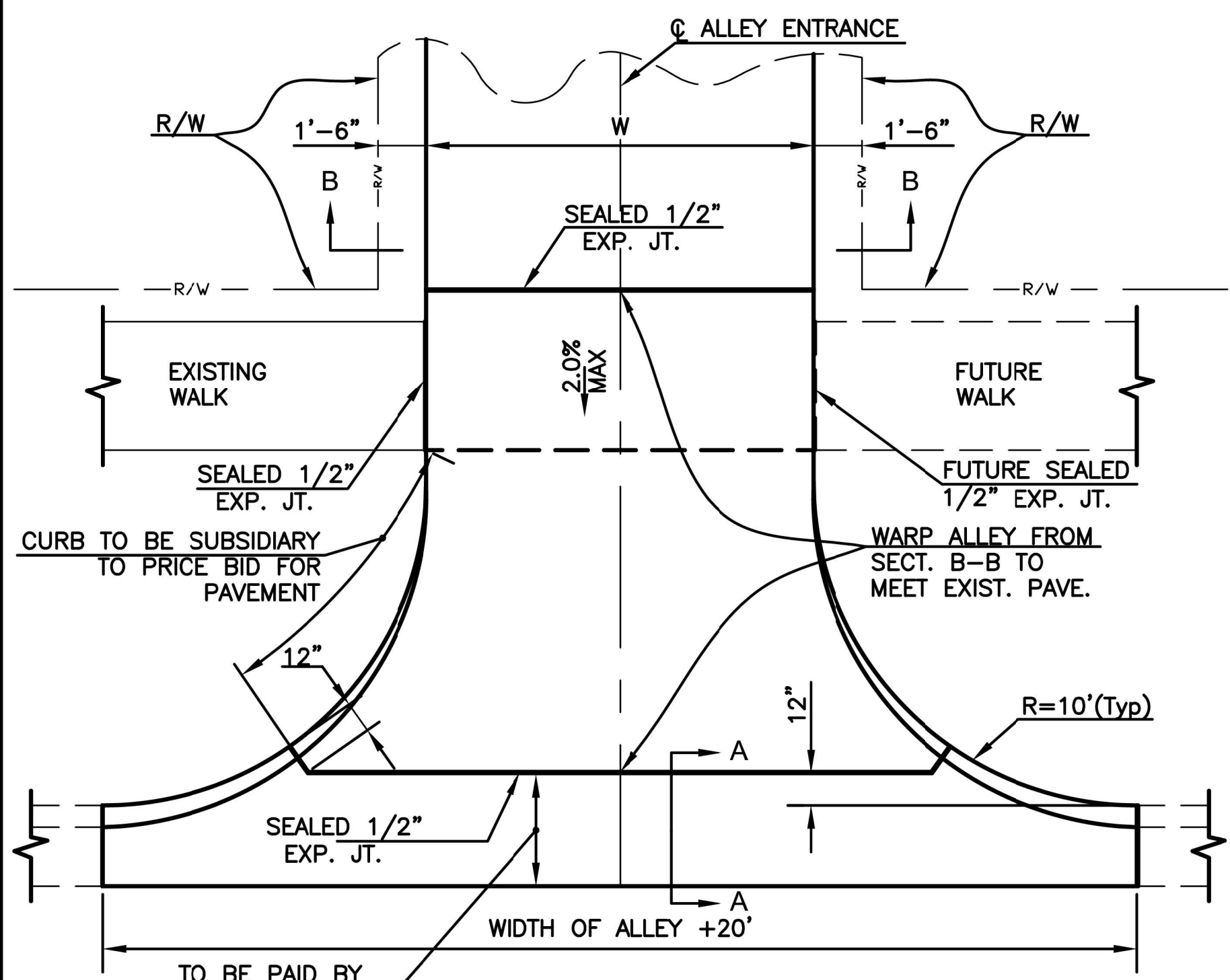


NOTES:  
 1. USE OF LAYBACK CURB AND GUTTER IS RESTRICTED TO STREET CLASSIFICATION OF SUB-COLLECTOR AND LOCAL. LAYBACK CURB AND GUTTER SHALL NOT BE USED IN INTERSECTION CURB RETURNS.  
 2. FOR CURB AND GUTTER ABUTTING EXISTING ASPHALT, REFER TO CC&G MODIFIED DETAIL.

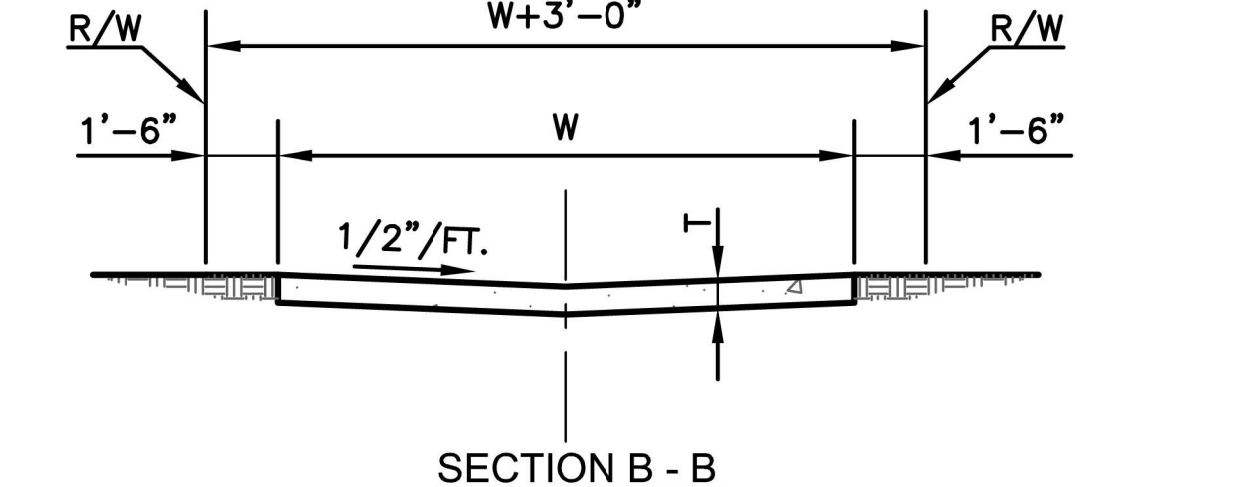
\* THE CONTRACTOR HAS THE OPTION OF MAINTAINING OR TRANSITIONING AS SHOWN AT NO ADDITIONAL COST.

\*\*THE TIE BARS MAY BE ELIMINATED WITH ASPHALTIC CONCRETE PAVEMENT CONSTRUCTION.

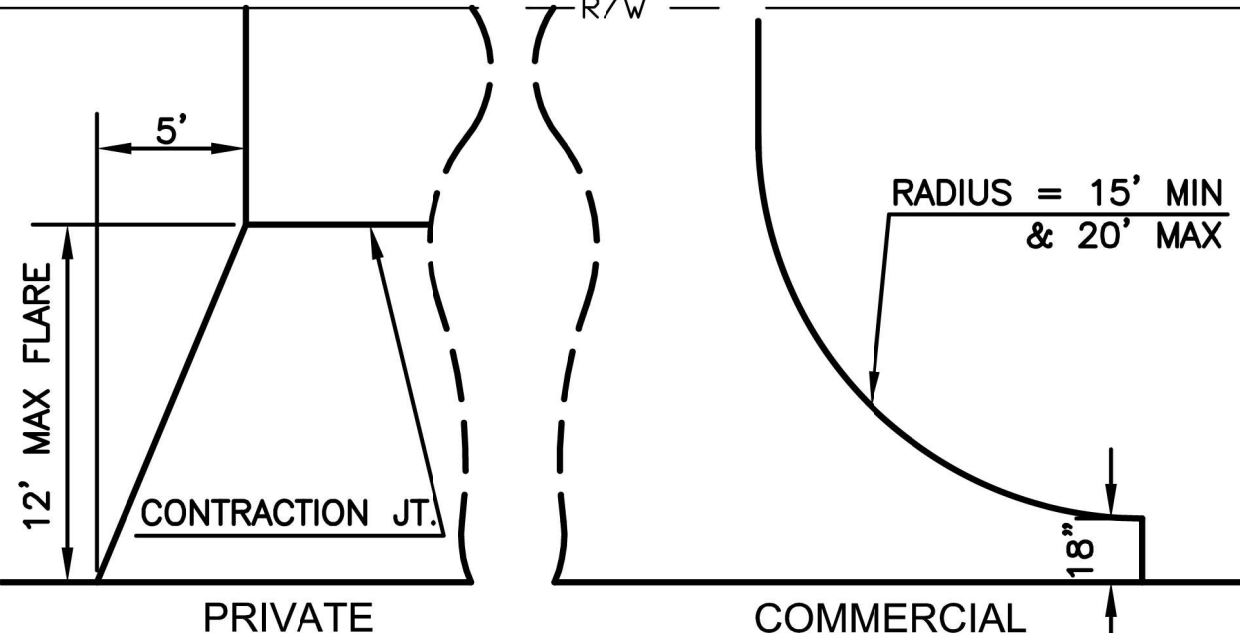
$\phi$  1-1/2" FOR DRIVE ENTRANCES AND 3/4" FOR SIDEWALK RAMP



**ALLEY APPROACH**



NOTES:  
 1. T=7" REINFORCED CONCRETE  
 2. WIDTH OF W WILL BE USED THROUGHOUT ON ALL ALLEY PAVING PROJECTS.  
 3. ALLEY RETURNS SHALL BE THE SAME THICKNESS AS THE ADJACENT STREET THICKNESS.  
 4. 1/2" EXP. JOINT AT EACH END OF ALLEY RETURN.



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 Dec 30, 2025 - 10:52am  
 S:\Engineering\Driggs Design Projects\DDC Transportation Projects\ET2026-01 Topoka Street Improvement - Hughes Park Area\Engineering Design\6-Street Plan Sheets\Roadway\Hughes Park Area\_Standard Details.dwg  
 Plotted on:

NO.	DATE:	REVISION	BY:	APP'D	PLOTTED:

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---

**DRIGGS DESIGN GROUP, PA**  
 Surveying Engineering Planning  
 MANHATTAN - HAYS - EMPORIA - TOPEKA - GOODLAND

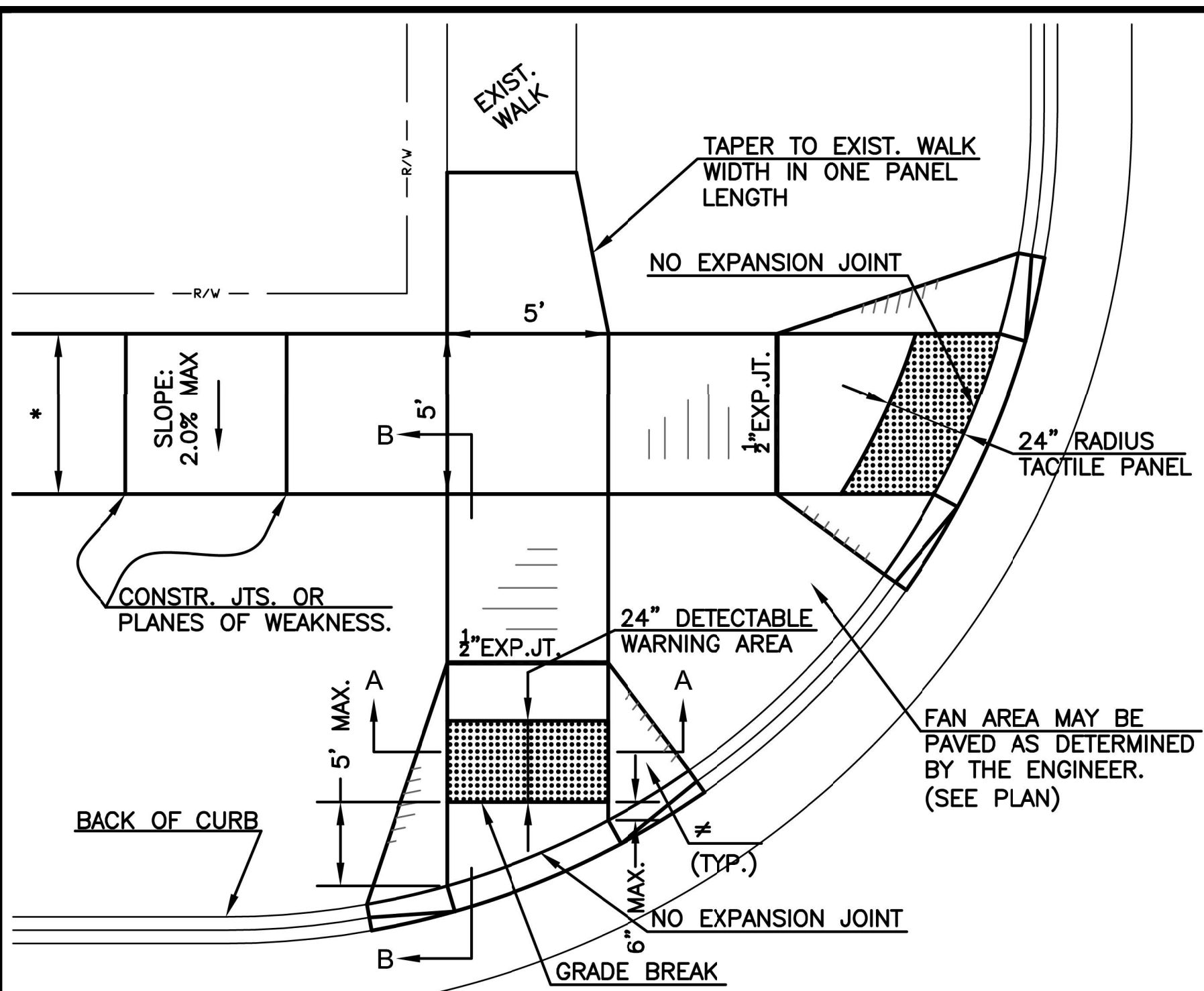
**TOPEKA**  
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**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

**CURB AND GUTTER AND APPROACH DETAILS**

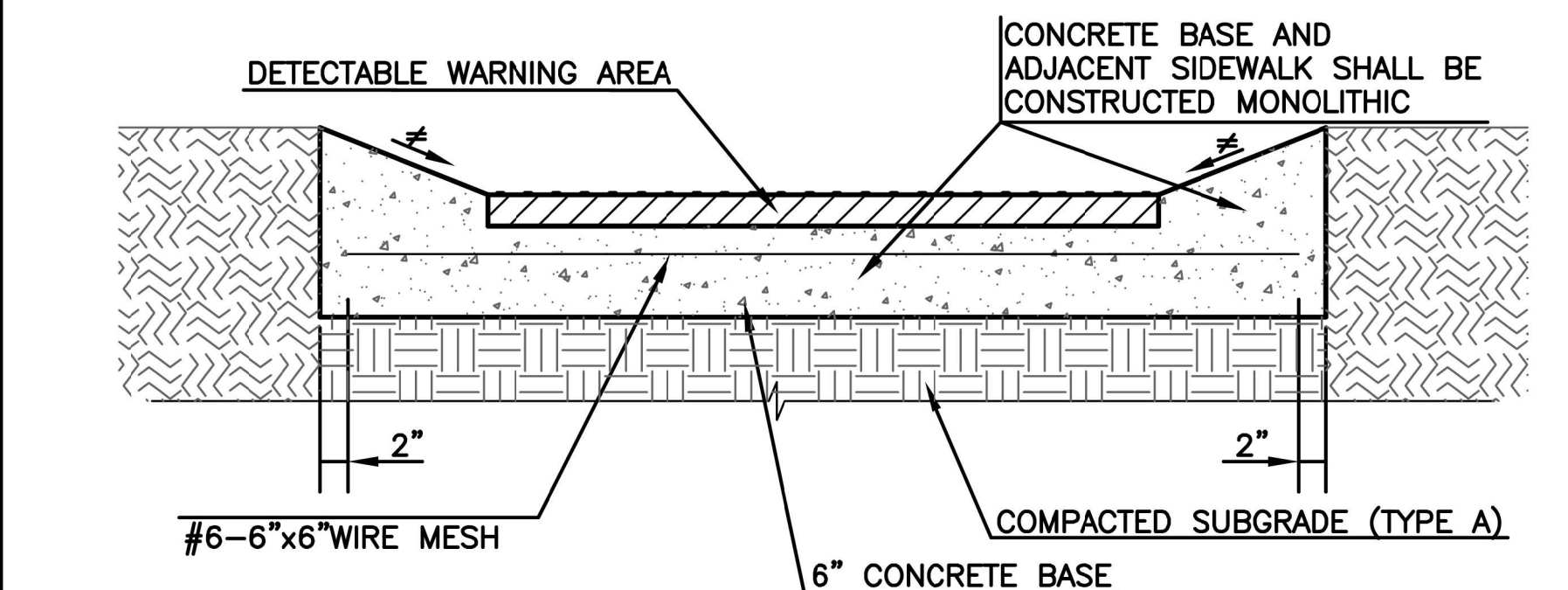
DATE: 11/4/2025  
 SHEET: 11 of 17  
 PROJ.: 841099.06

S:\Engineering\Driggs Design Projects\DDC Transportation Projects\ET2026-01 Topeka Street Improvement - Hughes Park Area\Engineering Design\6-Street Plan Sheets\Roadway\Hughes Park Area\_Standard Details.dwg  
 Plotted on: Dec 30, 2025 - 10:52am  
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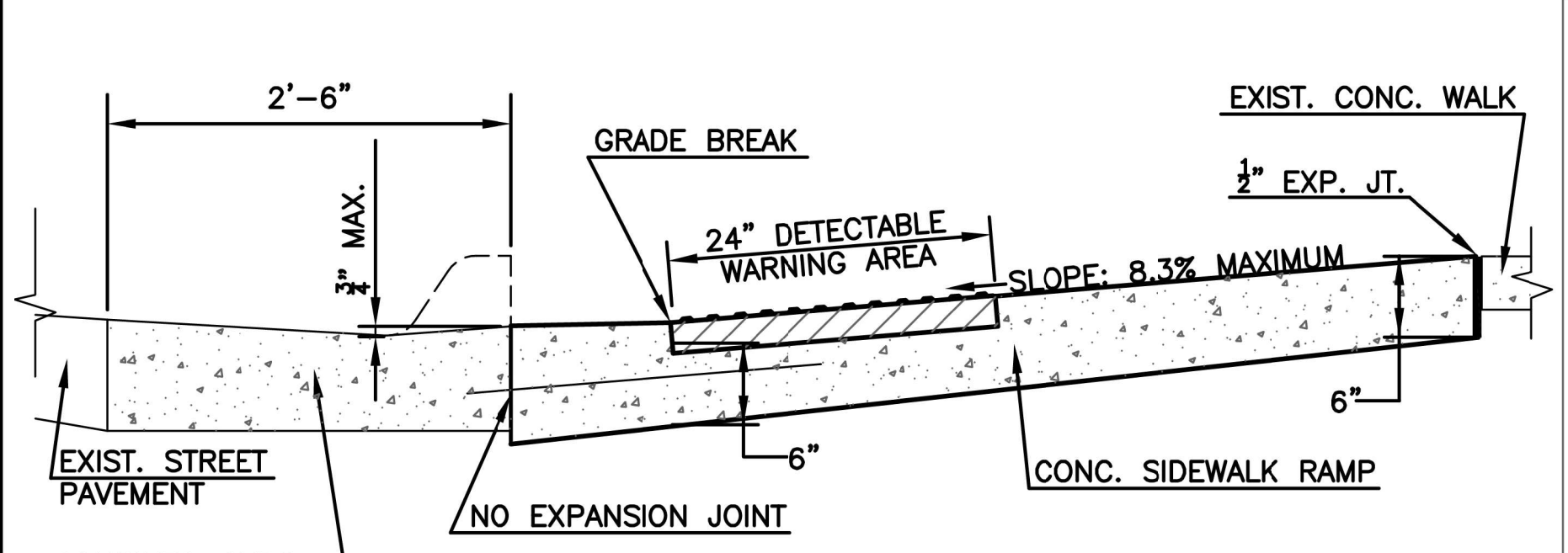
**SIDEWALK DETAILS**

- NOTES:  
 1. FAN AREA PAVEMENT TO BE PAID FOR AS 6" CONCRETE.  
 2. EXPANSION JOINTS SHALL BE THE CONSTRUCTION LIMITS OF 6" CONCRETE IN RAMP.  
 \* 5' - PRINCIPAL ARTERIALS, MINOR ARTERIALS, COLLECTORS  
 4' - SUB-COLLECTORS, LOCALS  
 ≠ 10:1 MAXIMUM AT PAVED FAN AREA, 4:1 AT STANDARD RAMP



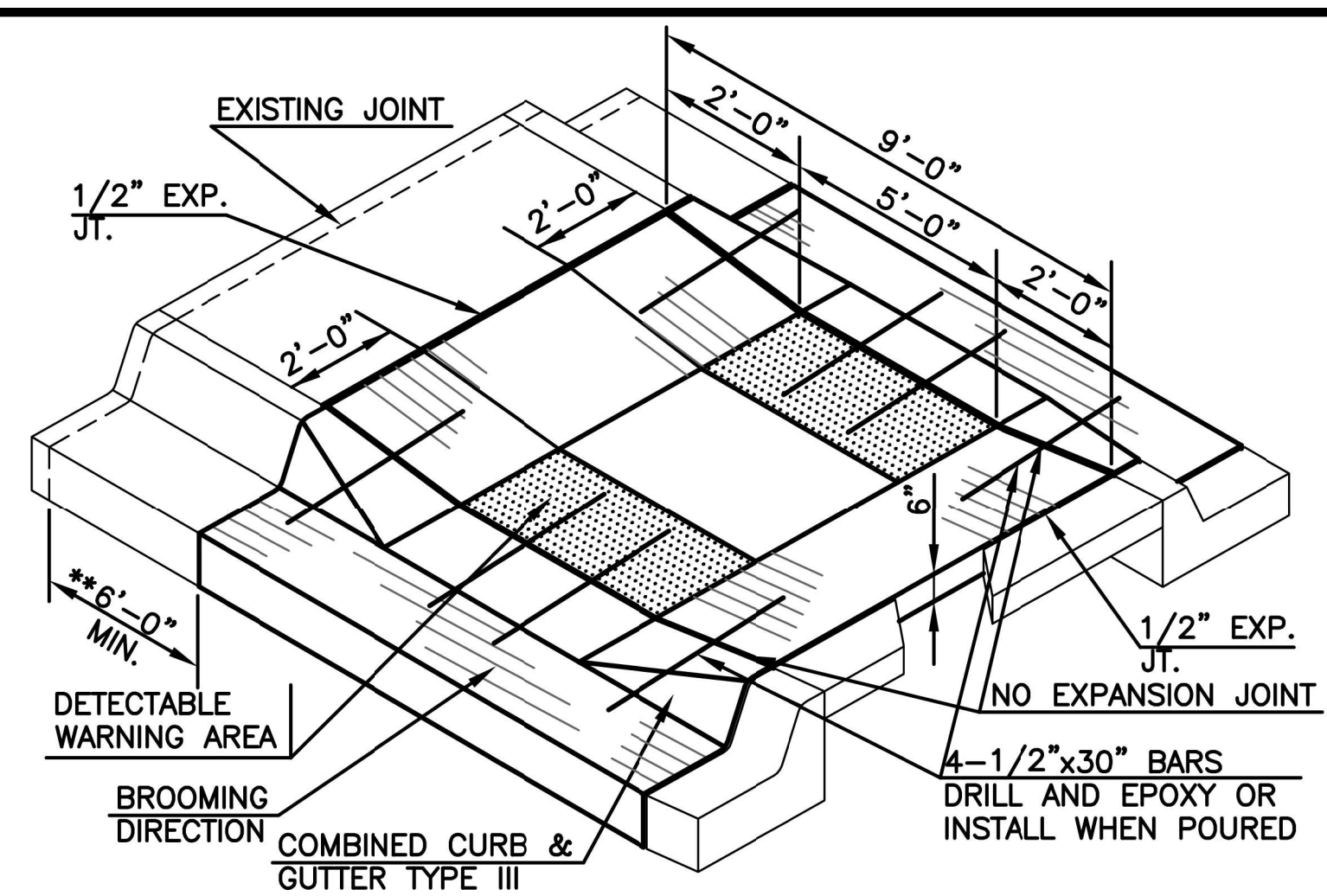
**TYPICAL SECTION OF DETECTABLE WARNING SYSTEM**

- ≠ 10:1 MAXIMUM AT PAVED FAN AREA, 4:1 AT STANDARD RAMP



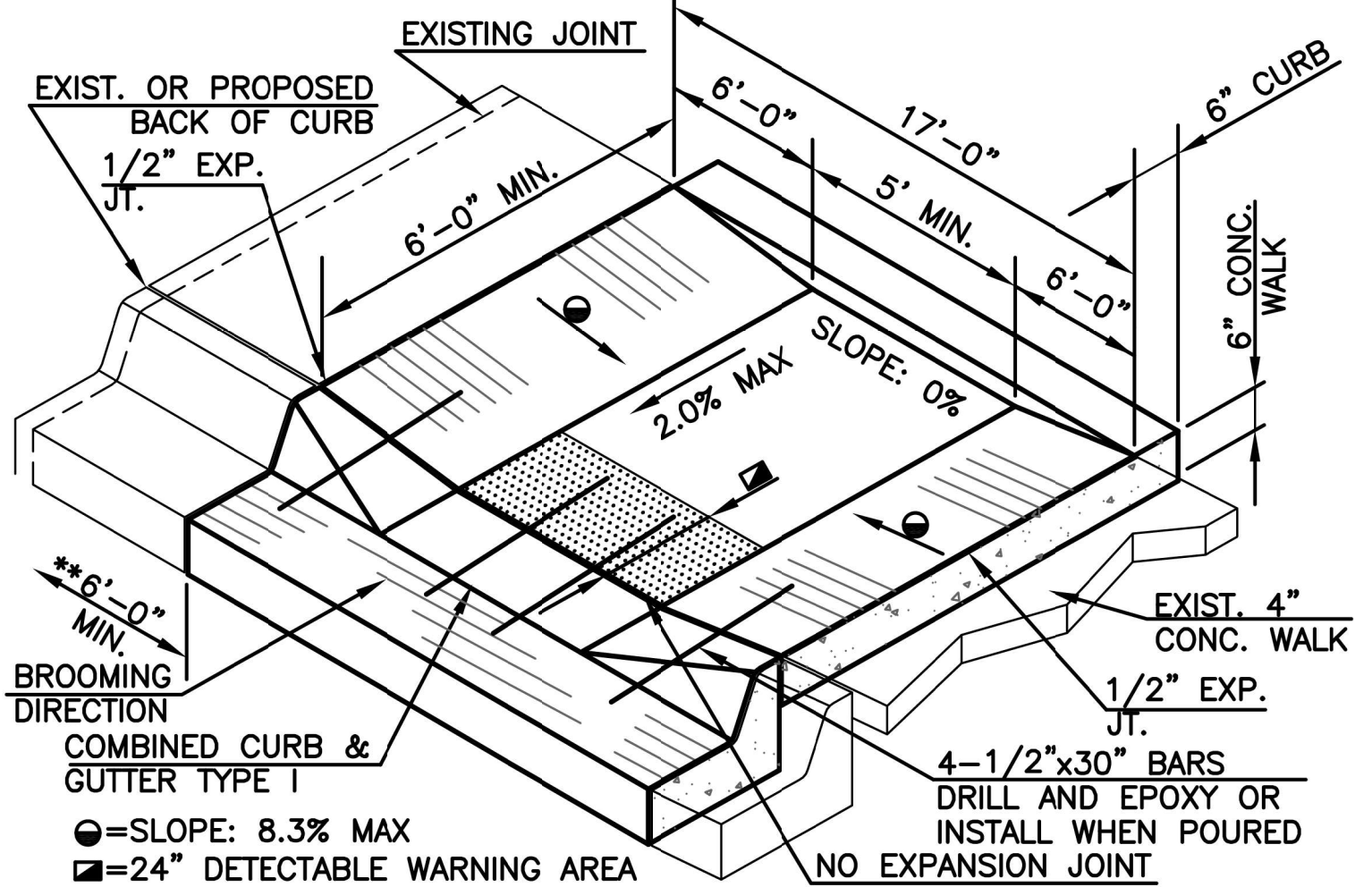
**SIDEWALK RAMP DETAILS**

- NOTES:  
 1. RAMP TO BE PAID FOR AS SIDEWALK RAMP. CURB AND GUTTER TO BE INCLUDED IN THE PRICE BID FOR COMBINED CURB AND GUTTER TYPE I.  
 2. SIDEWALK RAMP SHALL OBTAIN A MINIMUM OF 6" ABOVE  $\bar{\ell}$  FOR NEW SIDEWALK CONSTRUCTION.



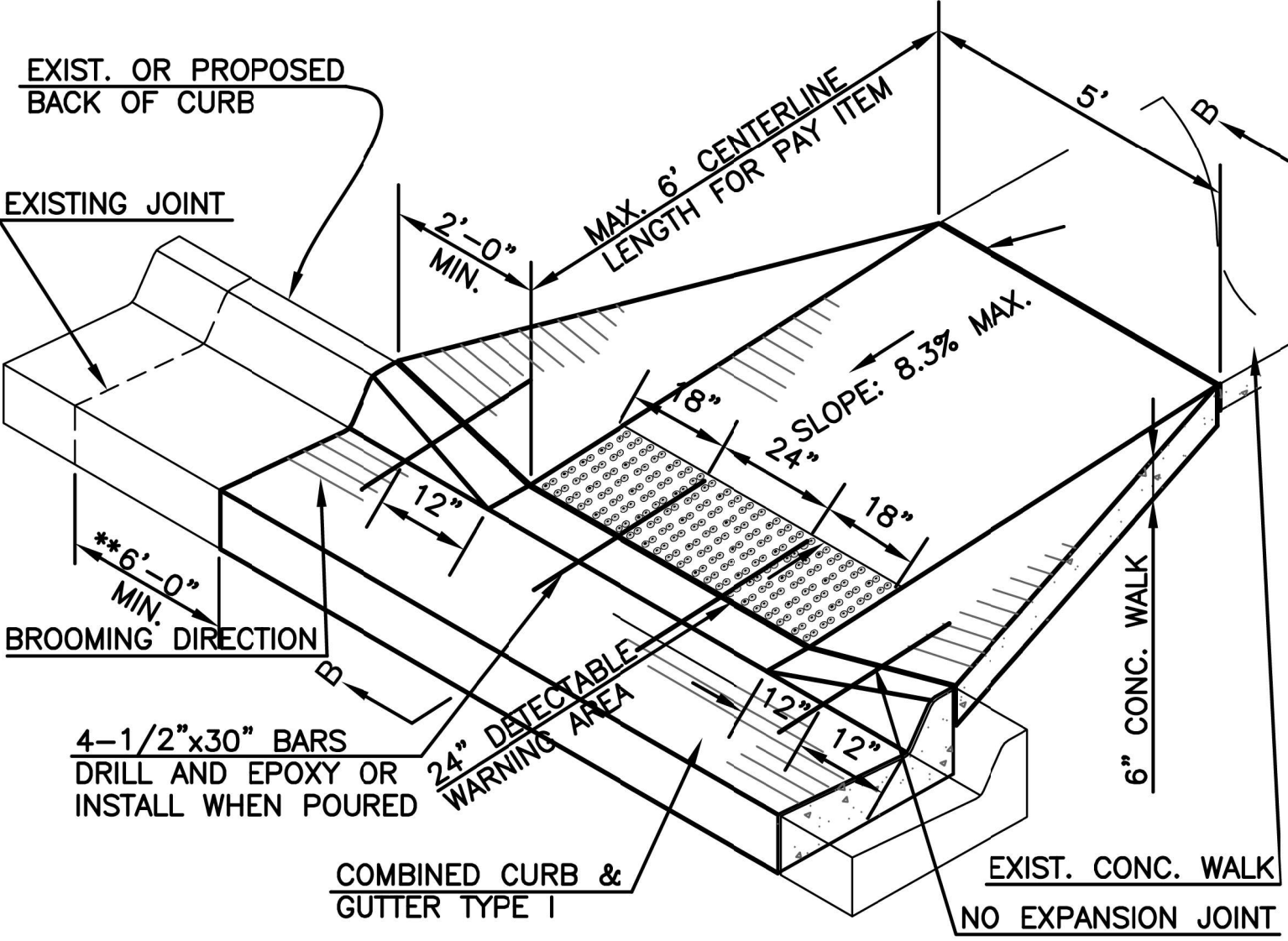
**ISOMETRIC OF MEDIAN RAMP CROSSING**

- NOTE:  
 MEDIAN RAMP CROSSING SHALL BE BUILT AT LOCATIONS SHOWN ON THE PLANS. CONCRETE MEDIAN CROSSINGS TO BE PAID FOR AS SIDEWALK RAMP.

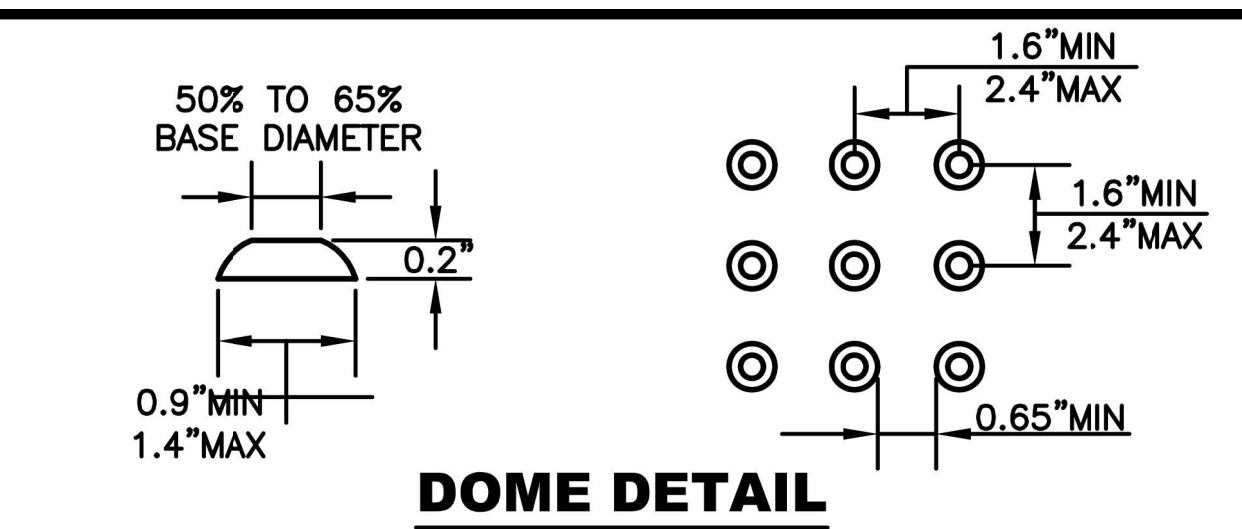


**ISOMETRIC OF RAMP WITH ADJACENT WALK SHOWN**

- \*\* IF CURB AND GUTTER AND/OR SIDEWALK TO BE REMOVED IS WITHIN 6'-0" OF AN EXISTING JOINT, REMOVE CURB AND GUTTER AND/OR SIDEWALK BACK TO EXISTING JOINT. JOINTS ARE TO BE PLACED AS PER SECTION 5, SUBSECTION 8 OF CITY/COUNTY STANDARD TECHNICAL SPECIFICATIONS.



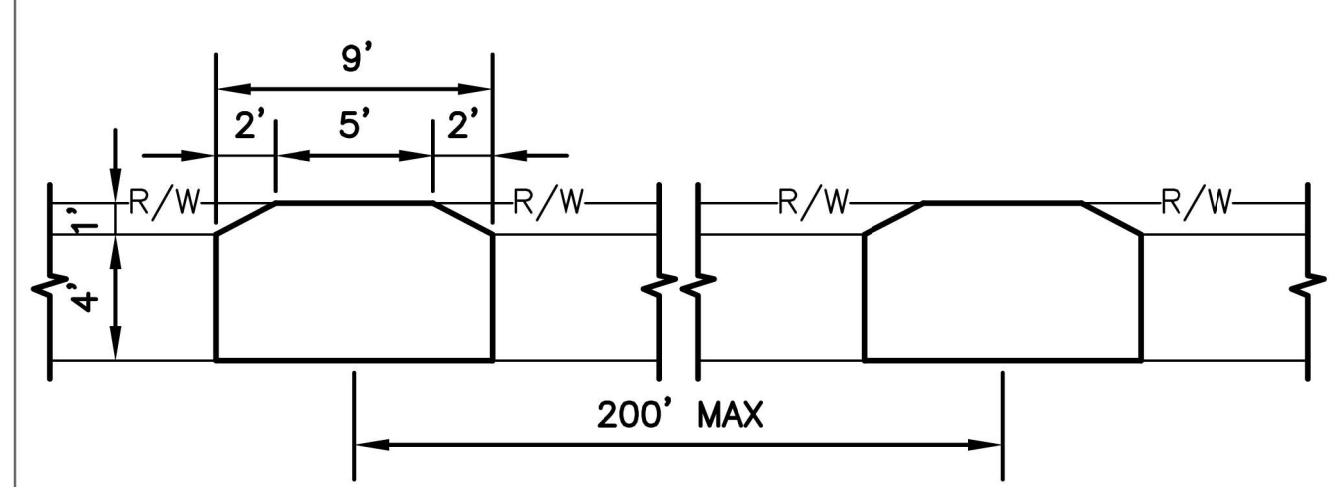
**ISOMETRIC OF RAMP WITH PERPENDICULAR WALK SHOWN**



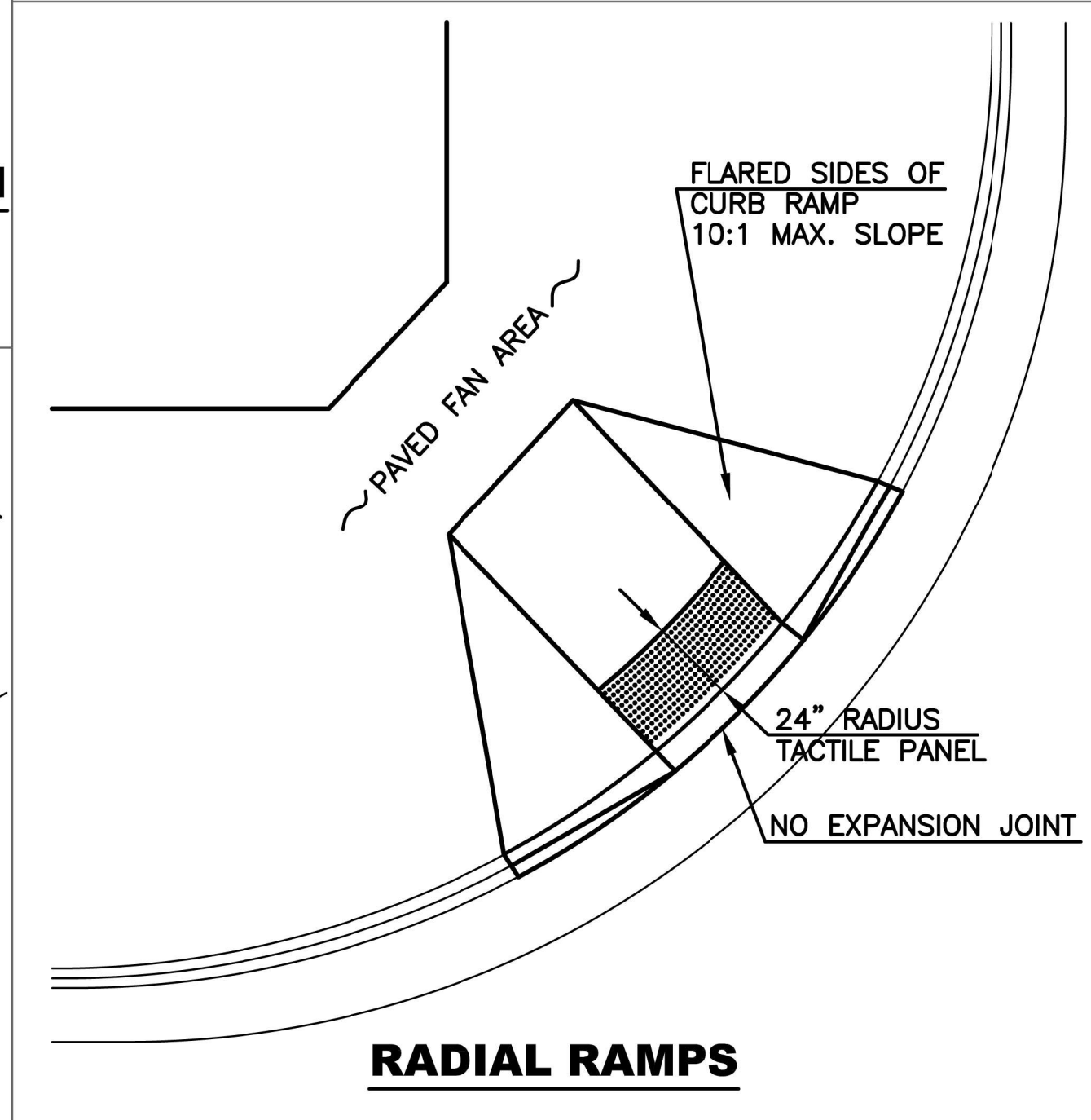
**DOMES DETAIL**

**RUNNING BOND/PARALLEL ALIGNMENT AND JOINT DETAIL**

Installation pattern for detectable warning paving bricks

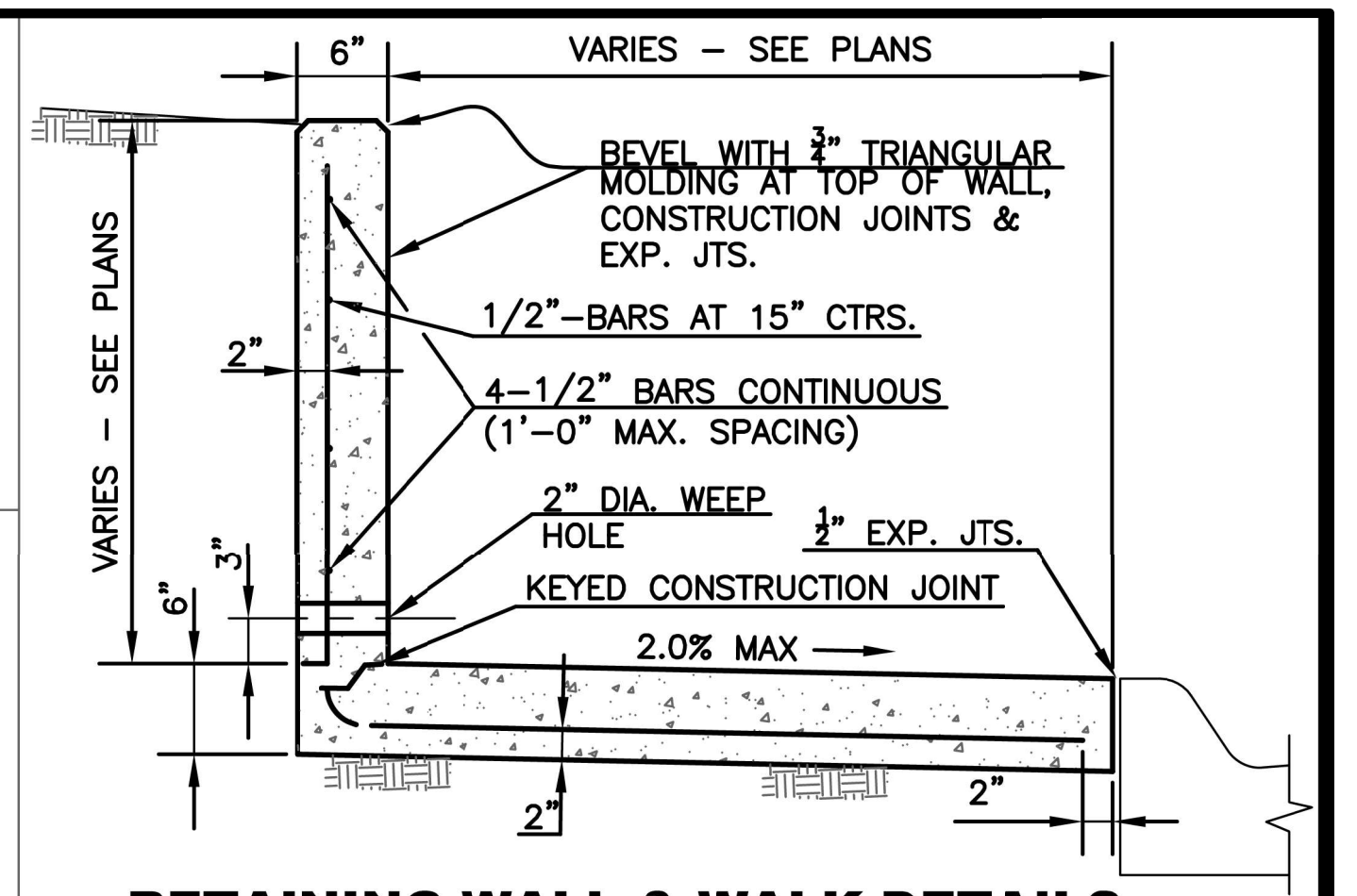


**TYPICAL WHEELCHAIR PASSING ZONE FOR SUB-COLLECTOR AND LOCAL STREETS**



**RADIAL RAMPS**

- NOTE:  
 RADIAL RAMPS WILL NOT BE PERMITTED IN NEW TRAFFICWAY IMPROVEMENT PROJECTS, AND WILL ONLY BE ALLOWED AS DIRECTED BY THE ENGINEER IN RETRO-FIT CONSTRUCTION WHEN PERPENDICULAR RAMPS CANNOT BE CONSTRUCTED.



**RETAINING WALL & WALK DETAILS**

- NOTE:  
 ► THIS TYPE OF WALL MAY BE USED TO A MAXIMUM HEIGHT OF 3'-0".  
 ► WEEP HOLES AT A MAXIMUM OF 15' CENTER TO CENTER WITH COARSE AGGREGATE PLACED AT EACH WEEP HOLE 18" IN ALL DIRECTIONS ABOVE FLOW LINE.  
 ► CONCRETE SHALL BE CLASS "A" THROUGHOUT WITH GRADE 40 REINFORCING.  
 ► PLACE 1/2" HARDWARE SCREEN AT WEEP HOLES TO RETAIN AGGREGATE.

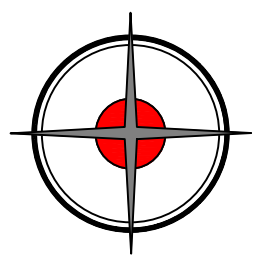
**SIDEWALK (RESIDENTIAL AND COMMERCIAL) CONSTRUCTION**

- SIDEWALKS SHALL BE CONSTRUCTED USING 4" THICK CONCRETE, EXCEPT AT DRIVEWAY CROSSINGS, WHERE IT SHALL BE 6" THICK PAVEMENT CLASS CONCRETE, 4000 PSI (RESIDENTIAL) OR 8" THICK PAVEMENT CLASS CONCRETE, 4000 PSI (COMMERCIAL).  
 ► FINE GRADING MATERIAL SHALL BE CRUSHED ROCK AB-3. ALLOWABLE MAXIMUM COMPACTED THICKNESS OF AB-3 SHALL BE 6".  
 ► SAND IS NOT AN APPROVED FILL, SUBGRADE, OR FINE GRADING MATERIAL UNDER PAVEMENT, SIDEWALKS, RAMPS, OR DRIVEWAYS.  
 ► ALL SIDEWALKS AND RAMPS WITHIN PUBLIC RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).

**SPECIAL REQUIREMENTS FOR SIDEWALK RAMP CONSTRUCTION**

- SIDEWALK RAMPS SHALL BE CONSTRUCTED USING 6" THICK PAVEMENT CLASS CONCRETE (4000 PSI) AS DETAILED IN THE STANDARD TECHNICAL SPECIFICATIONS.  
 ► EXPANSION JOINTS SHALL BE SEALED WITH APPROVED JOINT SEALANT WHERE SIDEWALKS AND DRIVE ENTRANCES (COMMERCIAL AND RESIDENTIAL) INTERSECT WITH PAVEMENT CURB.  
 ► DETECTABLE WARNING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.  
 ► THE TRUNCATED DOME AREA SHALL BE A MAXIMUM WIDTH OF THE SIDEWALK RAMP OR MEDIAN RAMP. WIDER MEDIAN ISLANDS WILL RESULT IN A GAP BETWEEN THE TRUNCATED DOME AREAS.  
 ► THE TRUNCATED DOME AREA SHALL BE A CONTRASTING COLOR TO THE ADJACENT SURFACES.  
 ► DETECTABLE WARNING PANELS SHALL NOT BE CUT. BRICKS MAY BE SAW CUT BUT ANY BRICK SHALL NOT BE LESS THAN 25% OF A FULL BRICK.  
 ► THE ADA SOLUTIONS CAST IN PLACE DETECTABLE WARNING PANELS, ARMORCAST DETECTABLE WARNING PANELS, PAVESTONE DETECTABLE WARNING PAVERS OR APPROVED EQUAL SHALL BE USED IN ALL SIDEWALK RAMPS.  
 ► DETECTABLE WARNING SYSTEMS SHALL BE PLACED ALONG THE BACK OF CURB OR AT A MAXIMUM DISTANCE OF 5 FEET FROM BACK OF CURB.  
 ► TRUNCATED DOMES SHALL BE ALIGNED WITH THE DIRECTION OF TRAVEL, OR MAY BE PLACED ON RADIAL LINES IN RADIAL TACTILE PATTERNS.  
 ► MORTAR SAND SHALL MEET THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS.  
 ► THE SIDEWALK RAMP WILL BE BID AS "SIDEWALK RAMP" AND PAYMENT FOR THIS WORK WILL BE MEASURED BY THE SQUARE FOOT, MAXIMUM 6 FEET CENTERLINE PAY LENGTH.  
 ► ALL MATERIALS AND LABOR TO INSTALL THE SIDEWALK RAMP SHALL BE SUBSIDIARY TO THE BID ITEM "SIDEWALK RAMP".

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---



**DRIGGS DESIGN GROUP, PA**  
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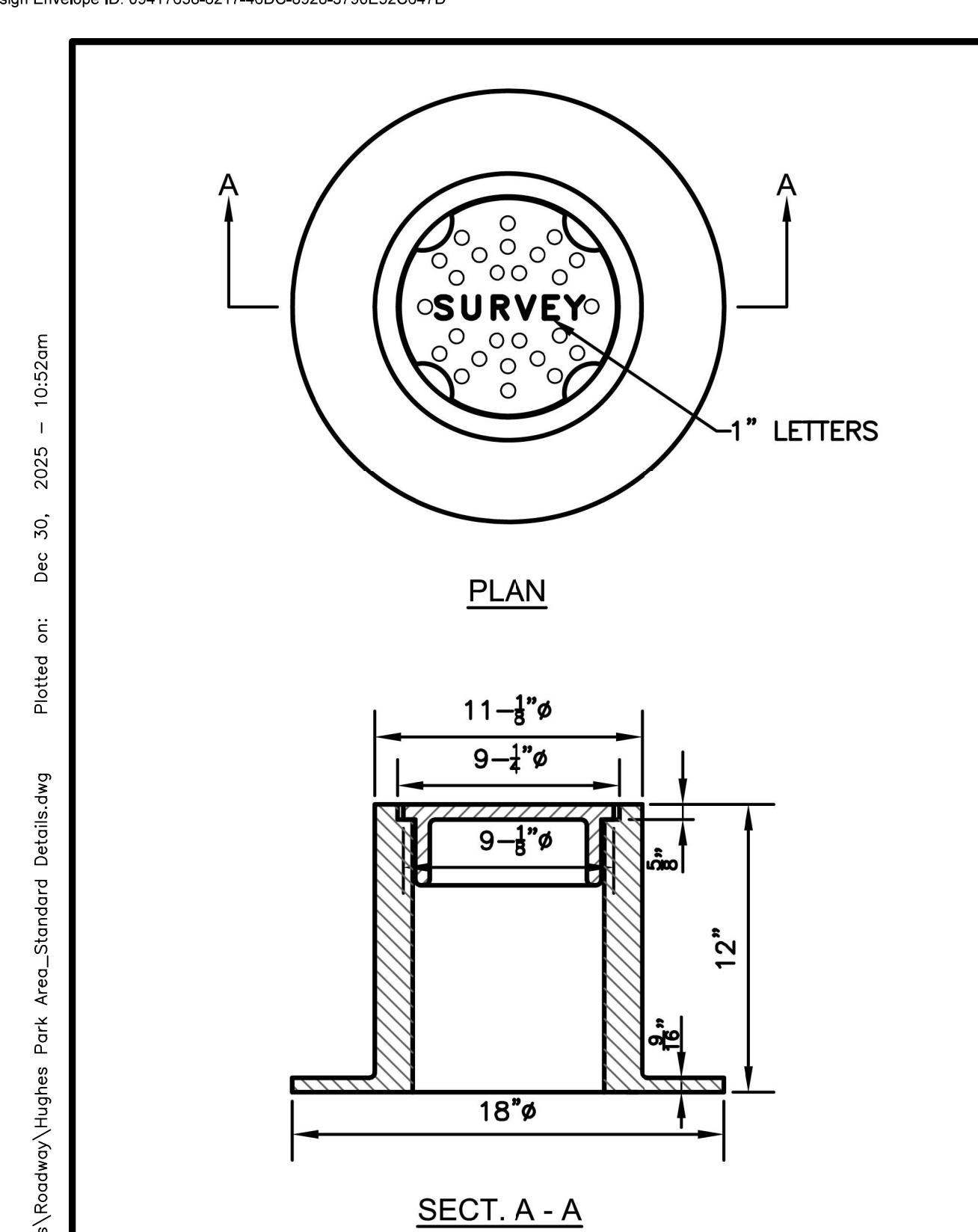


**HUGHES PARK AREA STREET IMPROVEMENTS**  
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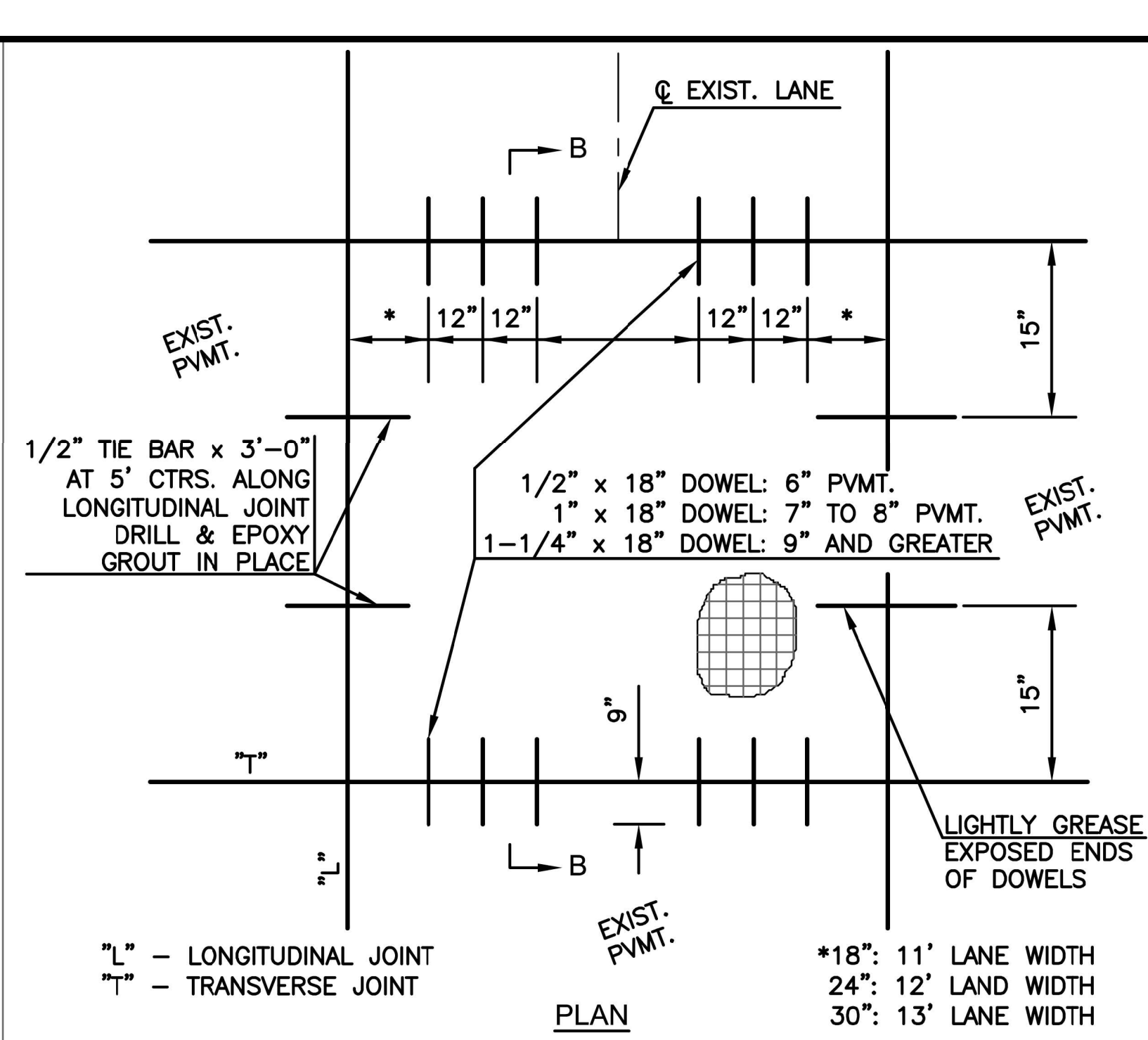
**RAMP AND WALK DETAILS**

DATE: 11/4/2025  
 SHEET: 12 of 17  
 PROJ.: 841099.06

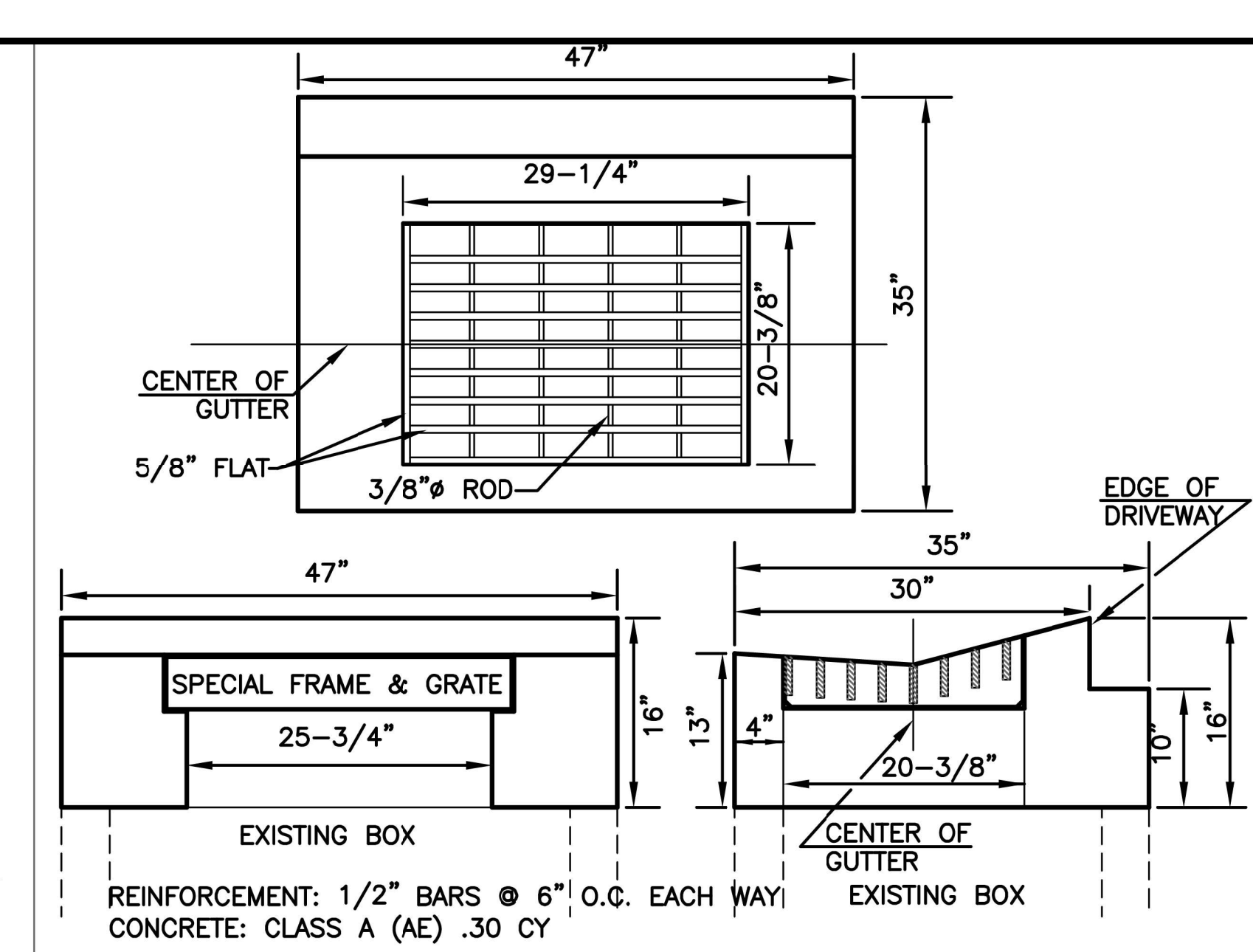
NO.	DATE:	REVISION	BY:	APP'D



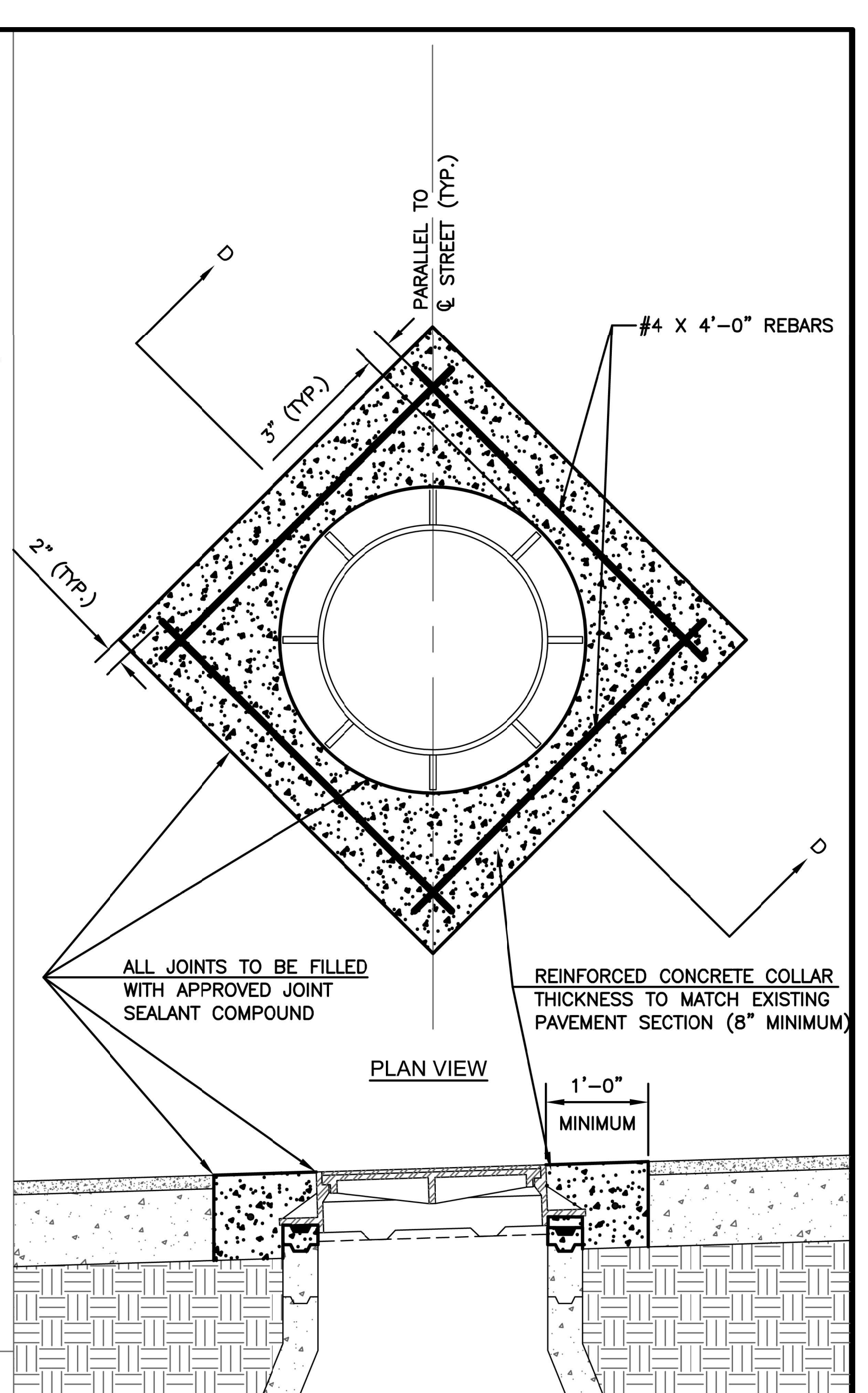
**CAST IRON MONUMENT BOX**



**FULL PANEL REPAIR & UTILITY CUTS FOR CONCRETE PAVEMENT**



**SPECIAL II-P GRATE TOP**



**MANHOLE ADJUSTMENT**

**NOTES:**  
 1. THE TOP OF THE MONUMENTATION WITHIN THE MONUMENT BOX WILL BE BELOW THE BOTTOM OF THE MONUMENT BOX AND PAVEMENT ELEVATION TO ACCOMMODATE FREE PAVEMENT MOVEMENT WITHOUT DISPLACEMENT OF THE MONUMENT. ALL MONUMENTS IN CONCRETE WILL BE PLACED IN SUCH A WAY THAT THE TOP OF CONCRETE IS A MINIMUM OF 3" CLEAR OF THE BOTTOM OF THE MONUMENT BOX AND PAVEMENT, TO ALLOW DRAINAGE PERCOLATION OF SURFACE SEEPAGE AWAY FROM THE BOX.  
 2. CLAY AND BAILEY MFG. CO. COVER NO. 2193-01-1003 RING NO. 2093-01-2050 COMBINED WEIGHT 95 LBS.

**NOTES:**  
 1. ALL MATERIAL AND METHODS SHALL BE IN ACCORDANCE WITH CITY OF TOPEKA STANDARD TECHNICAL SPECIFICATIONS, LATEST EDITION.  
 2. DOWEL HOLE SIZE = O.D. OF DOWEL + 1/8"  
 3. EPOXY GROUTING PER SEC. 830, KDOT STANDARD SPECIFICATIONS FOR STATE ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.

REINFORCEMENT: 1/2" BARS @ 6" O.C. EACH WAY  
 CONCRETE: CLASS A (AE) .30 CY

5/8" x 3 FLAT  
 27-5/8"  
 10 REQUIRED

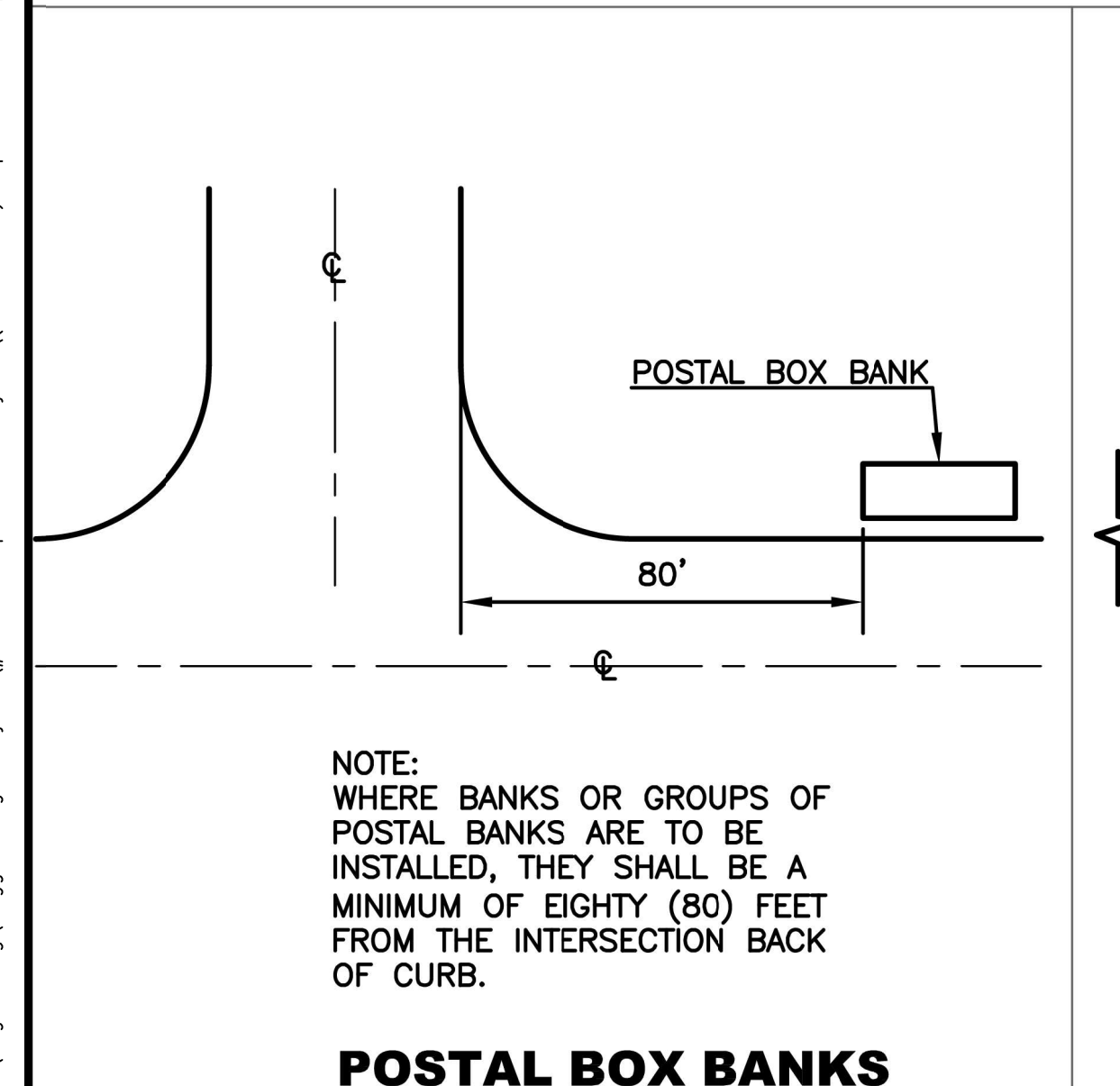
3/8" ROD x 1-15/16"  
 28 REQUIRED

1/4" TYPICAL

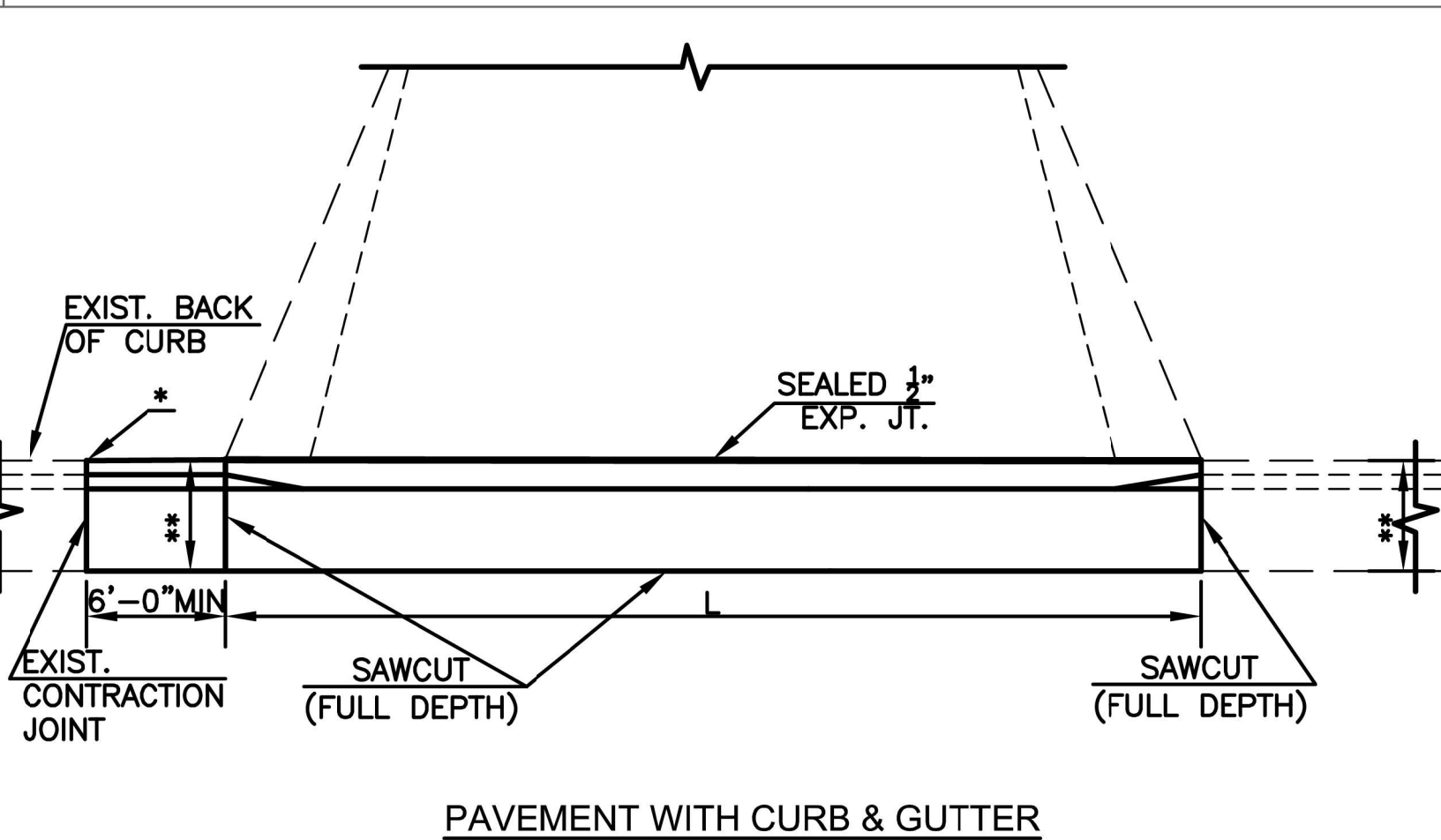
3/8" ROD x 2-1/2"  
 BEND BARS  
 4 REQUIRED

END PLATE  
 5/8" x 6 FLAT 2 REQUIRED

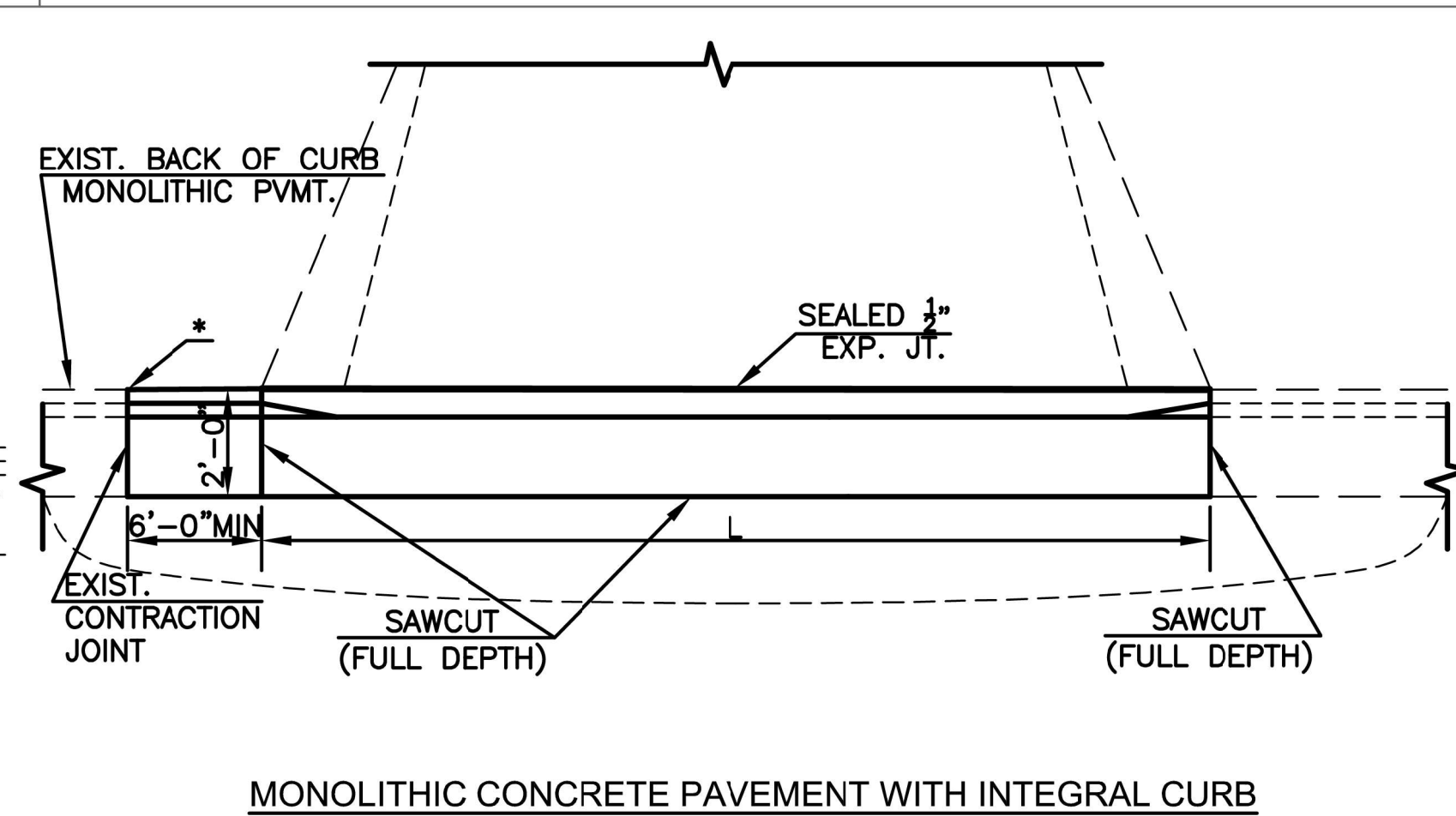
**NOTES:**  
 1. PAVEMENT SHALL BE REMOVED BY FULL DEPTH SAW CUTTING WHILE PROTECTING NEW PAVEMENT.  
 2. THE ORIENTATION OF THE REINFORCED CONCRETE COLLAR SHALL BE AS SHOWN OR FIELD DETERMINED BY ENGINEER.  
 3. ADJUST MANHOLE RING TO MATCH PAVEMENT CROSS SLOPE USING APPROVED CONCRETE MANHOLE GRADE ADJUSTMENT RINGS AND CONCRETE BLOCKS OR APPROVED HIGH-DENSITY POLYETHYLENE MANHOLE ADJUSTMENT RINGS.  
 4. SET MANHOLE RING WITH 2 RINGS OF 3/4" PREFORMED MASTIC SEALANT.  
 5. ALL TIME AND MATERIAL NECESSARY TO PERFORM THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE BID ITEM "MANHOLE ADJUSTMENT".



**POSTAL BOX BANKS**



**PAVEMENT WITH CURB & GUTTER**



**MONOLITHIC CONCRETE PAVEMENT WITH INTEGRAL CURB**

**CURB CUT/REMOVAL FOR NEW RESIDENTIAL DRIVE APPROACH**

\* IF CURB AND GUTTER TO BE REMOVED IS WITHIN 6'-0" OF AN EXISTING JOINT, REMOVE CURB AND GUTTER BACK TO EXISTING JOINT.  
 L - PER CITY STANDARD DESIGN CRITERIA.

\*\* MATCH EXISTING CURB WIDTH.

NO.	DATE:	REVISION	BY:	APP'D

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---

**DRIGGS DESIGN GROUP, PA**  
 MANHATTAN - HAYS - EMPORIA - TOPEKA - GOODLAND

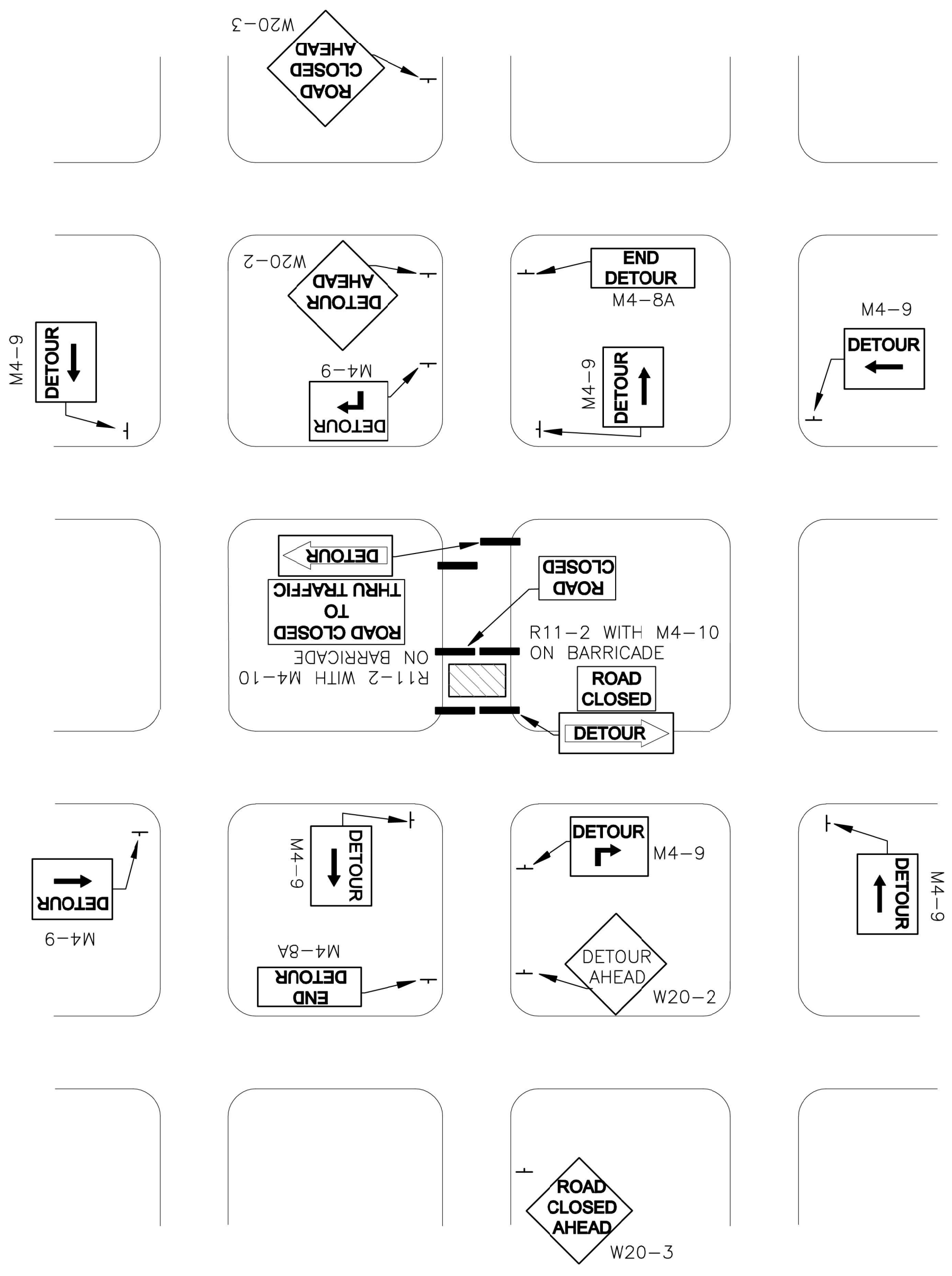
**TOPEKA**  
 Public Works  
 ENGINEERING

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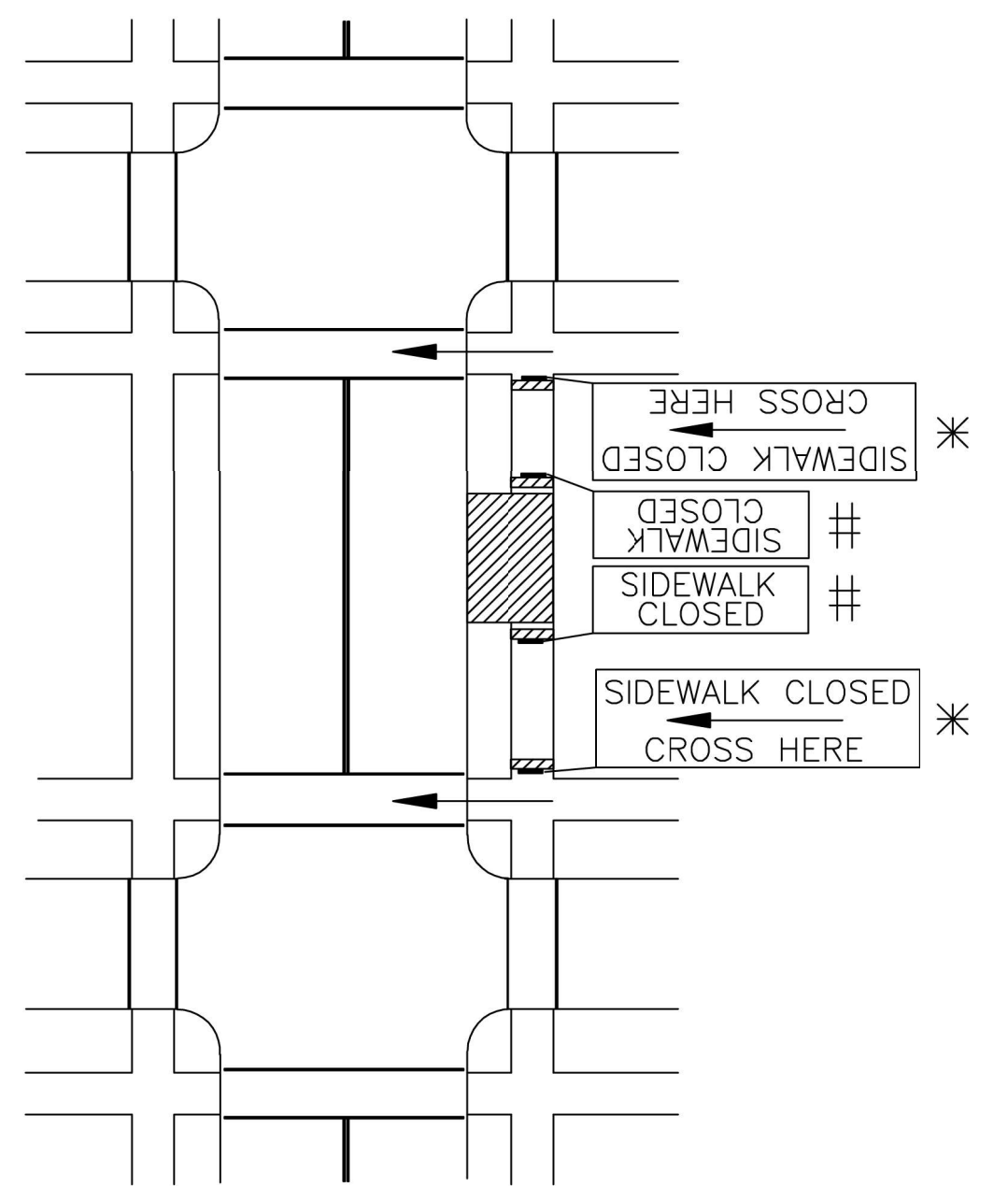
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 SHEET: 13 of 17  
 PROJ.: 841099.06

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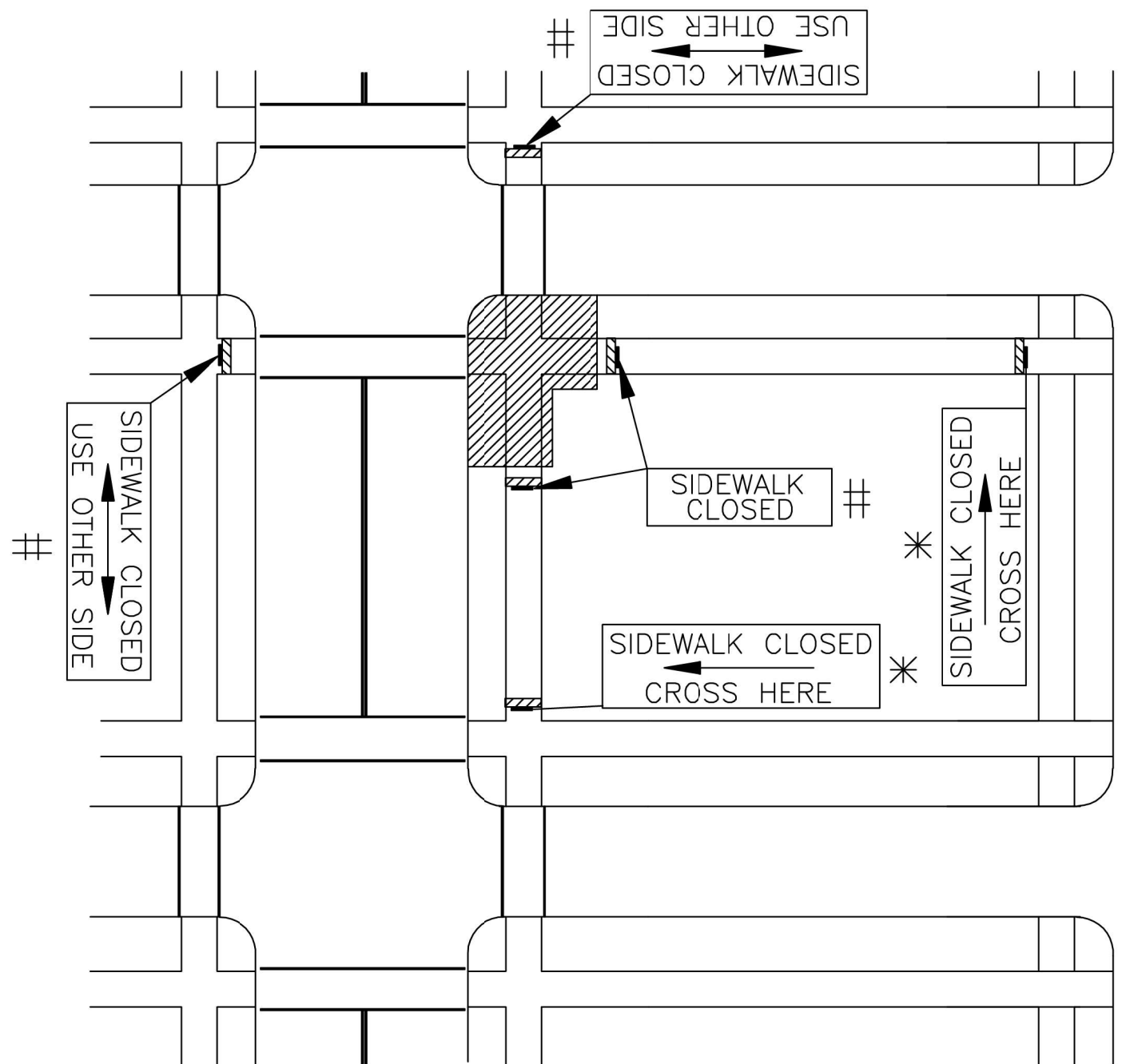


**DETOUR SIGNING-STREET CONSTRUCTION IN A STREET GRID**

STREET NAME SIGN (D-3) TO BE PLACED ABOVE THE DETOUR SIGN (M4-9) TO INDICATE THE NAME OF THE ROADWAY FOR WHICH THE DETOUR WAS ESTABLISHED.



**MID-BLOCK SIDEWALK CLOSURE WITH PEDESTRIAN DETOUR**



**CORNER SIDEWALK CLOSURE WITH PEDESTRIAN DETOUR**

\* ADVANCE SIGNS TO BE PLACED ON TYPE I OR TYPE II BARRICADES. PLACE SO THAT AT LEAST 48" OF SIDEWALK IS AVAILABLE FOR PEDESTRIAN USE.

# SIGNS TO BE PLACED ON CONTINUOUS DETECTABLE DEVICES. DEVICE CAN BE TYPE I, TYPE II, TYPE III OR OTHER TYPE WALLS OR RAILS AS PER MUTCD. THEY WILL HAVE ORANGE AND WHITE STRIPES. THE BOTTOM EDGING WILL BE AT LEAST 6 INCHES IN WIDTH AND PLACED A MAXIMUM OF 2 1/2 INCHES ABOVE THE SIDEWALK, SO AS TO BE DETECTABLE BY PEDESTRIANS WITH LONG CANE.

**GENERAL NOTES:**

ALL DEVICES SHALL COMPLY WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

72-HOUR NOTICE TO CITY IS REQUIRED BEFORE WORK IS STARTED. CONTACT 785-368-3842 FOR TRAFFIC DISRUPTION PERMIT.

72-HOUR NOTICE IS REQUIRED IF TRAFFIC SIGNALS ARE TO BE MODIFIED AS PART OF TRAFFIC CONTROL. CONTACT 785-368-3913.

UNLESS OTHERWISE NOTED, ALL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR.

SIGNS AND TRAFFIC CONTROL DEVICES NEED TO BE PROPERLY MAINTAINED FOR CLEANLINESS, VISIBILITY, AND CORRECT POSITIONING.

CONTRACTOR SHALL OBTAIN UTILITY LOCATES PRIOR TO INSTALLING SIGNPOSTS.

SIGNS LEFT IN PLACE THREE OR FEWER DAYS CAN BE MOUNTED AT ONE FOOT. SIGNS LEFT IN PLACE GREATER THAN THREE DAYS NEED TO BE MOUNTED AT SEVEN FEET. IF THERE ARE NO SIDEWALKS, NO PEDESTRIANS, AND NO PARKING, MOUNTING MOUNTING HEIGHT CAN BE REDUCED TO FIVE FEET. IF SECONDARY SIGN IS NEEDED MINIMUM MOUNTING HEIGHT MAY BE ONE FOOT LOWER.

ALL SIGNS SHALL TO BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC WHEN NOT IN USE.

CONTRACTOR MAY BE REQUIRED TO ADD SNOW FENCE TO PROHIBIT PEDESTRIANS FROM ENTERING THE WORK AREA. FENCING SHOULD NOT CREATE A SIGHT DISTANCE RESTRICTION FOR ROAD USERS.

ALL WORKERS SHALL WEAR HIGH VISIBILITY APPAREL MEETING ANSI 107-2004 CLASS 2 OR 3.

TRAFFIC CONTROL DEVICES SHALL MEET NCHRP REPORT 350 (AND SUPPLEMENTS) OR MASH 2009. NCHRP TESTED DEVICES ARE GRANDFATHERED. NEW DEVICES WILL BE MASH 2009 TESTED.

WHEN ROAD WORK CREATES A DIFFERENCE IN ELEVATION BETWEEN ADJACENT LANES THAT ARE OPEN TO TRAVEL, UNEVEN LANE SIGNS, (W8-11) 36"x36" SHALL BE ADDED. THEY SHALL BE PLACED AT BEGINNING AND AT INTERVALS EQUAL TO APPROXIMATELY 1000', BOTH DIRECTIONS IF APPLICABLE.

A BUMP SIGN (W8-1) 36"x36" SHALL BE INSTALLED TO GIVE WARNING OF A 2" OR MORE RISE OR DEPRESSION IN THE PROFILE OF THE ROADWAY. USE AT BEGINNING AND END OF MILLING EVEN IF WEDGE IS IN PLACE.

**FORMULAS FOR DETERMINING TAPER LENGTH**

SPEED (S)	TAPER LENGTH (L) IN FEET
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR MORE	$L = WS$

WHERE: L = TAPER LENGTH IN FEET  
 W = WIDTH OF OFFSET IN FEET  
 S = POSTED SPEED LIMIT PRIOR TO WORK STARTING

SPEED LIMIT	TAPER (L)	SIGN SPACING (X)
20	80'	100'
25	125'	100'
30	180'	100'
35	245'	100'
40	320'	100'
45	540'	350'

BASED ON W=12'

EXCEPT AS NOTED (DOWNSTREAM TAPER, FLAGGER OPERATIONS, YIELD OPERATION), SPACE CHANNELIZER @ SPEED LIMIT. IF SPEED LIMIT IS 40mph SET DEVICES AT 40'.

LEGEND	
	= SIGN
	= TYPE III BARRICADE
	= REFLECTORIZED DRUMS OR FLUORESCENT ORANGE CONES OR SLIMLINE CHANNELIZERS
	= ARROW PANEL BOARD
	= WORK SPACE
	= FLAGGER

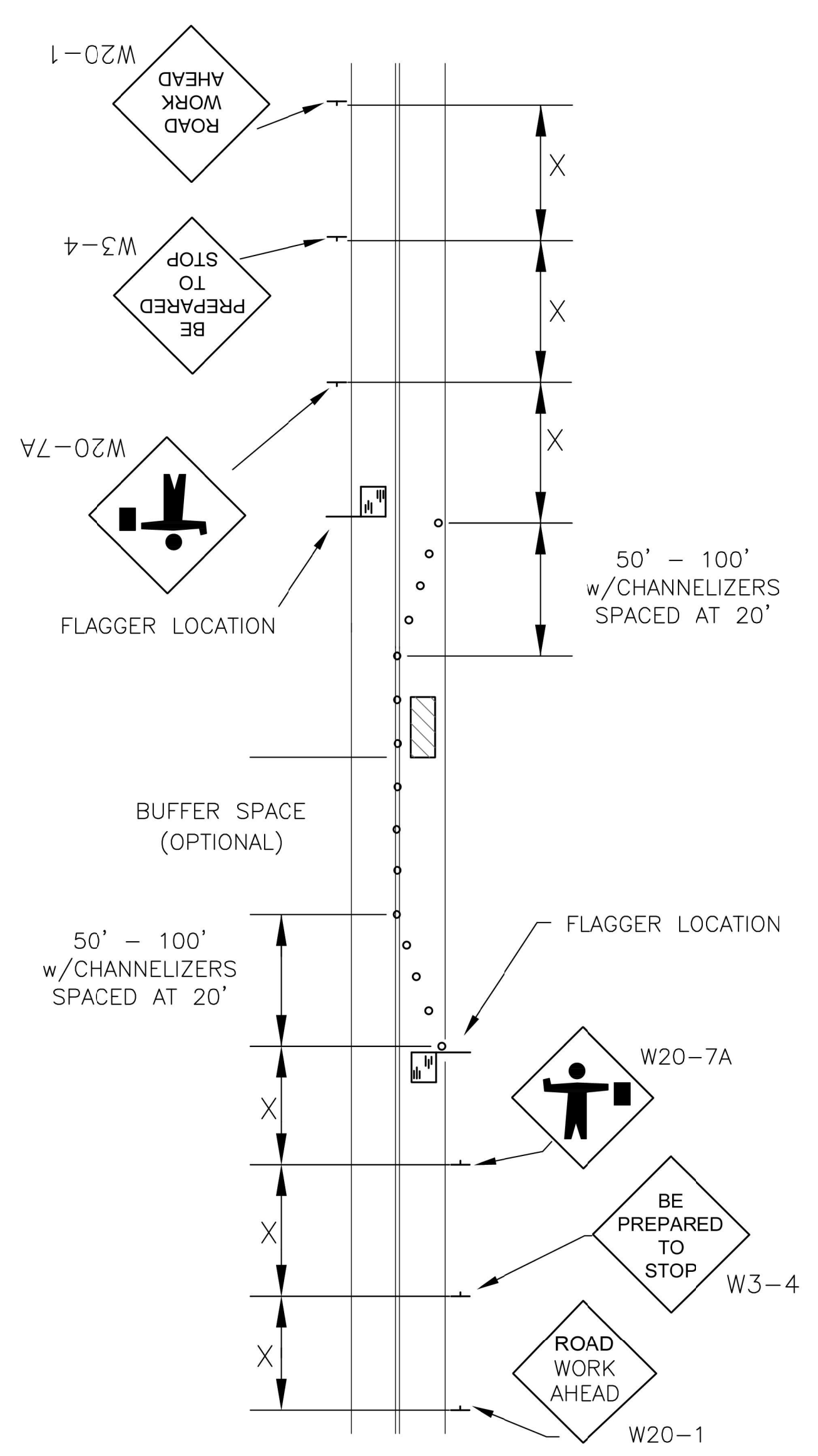
NO.	DATE:	REVISION	BY:	APP'D	PLOTTED:

**DRIGGS DESIGN GROUP, PA**  
 MANHATTAN - HAYS - EMPORIA - TOPEKA - GOODLAND

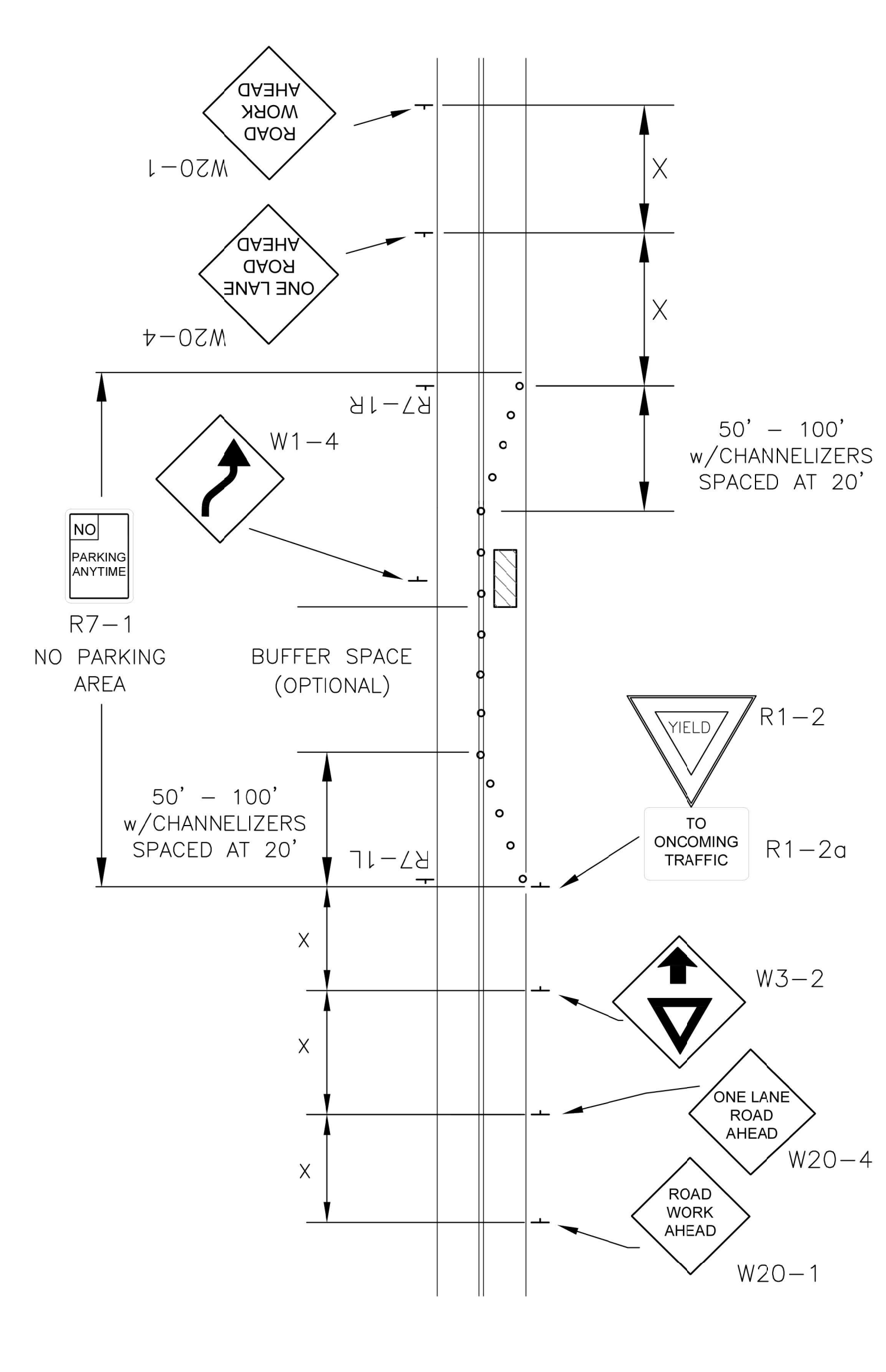
**TOPEKA Public Works ENGINEERING**

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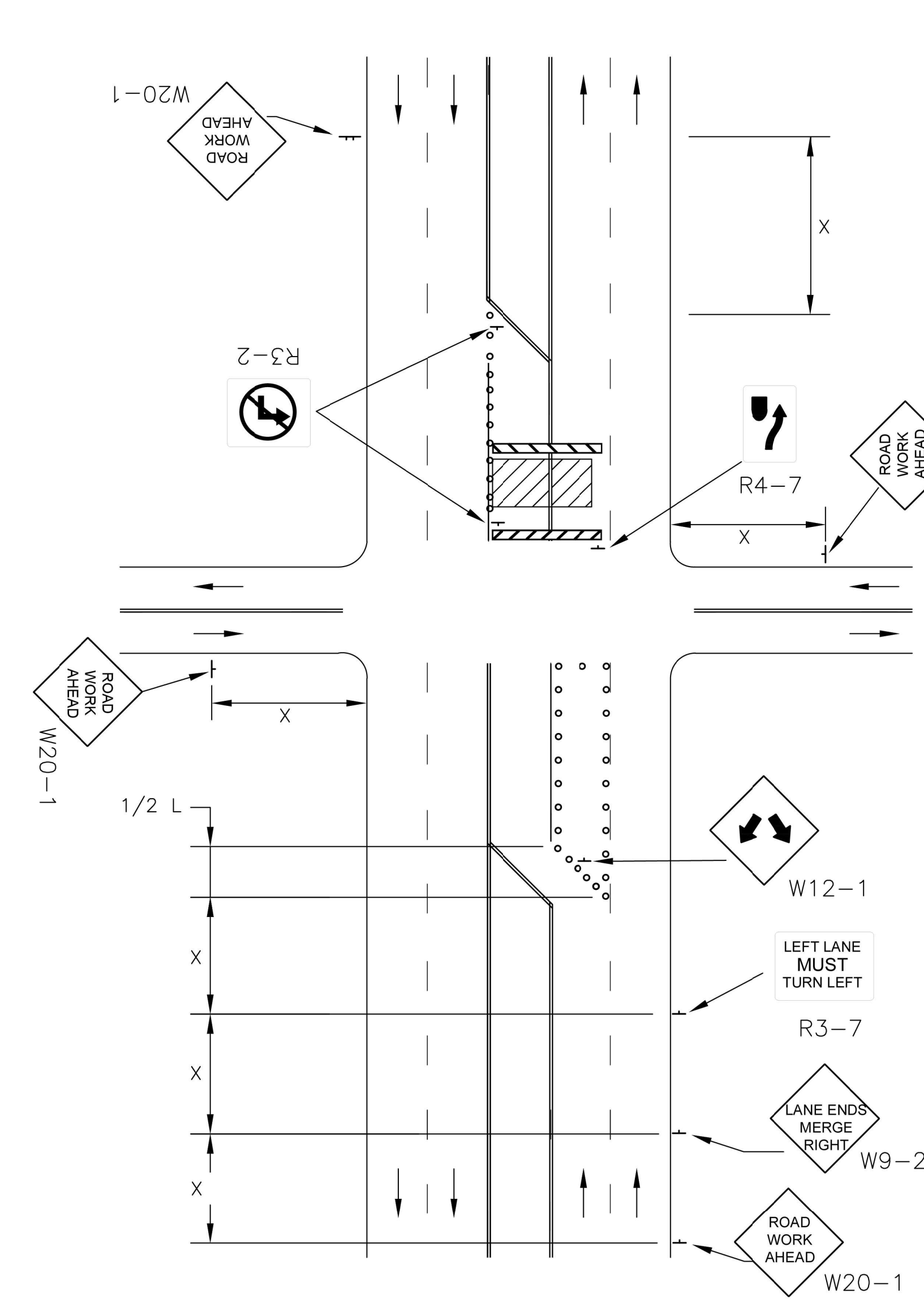
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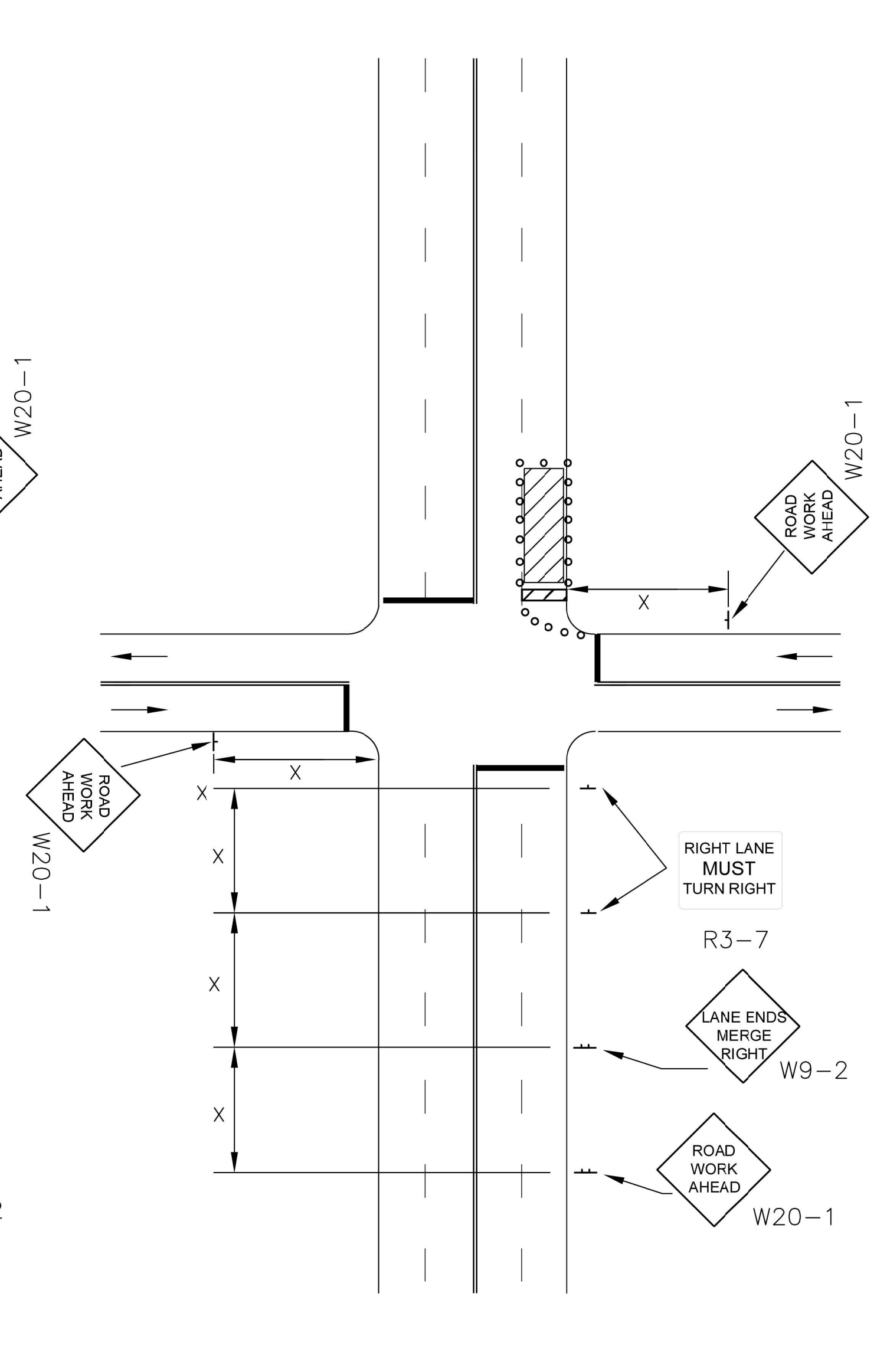
**LANE CLOSURE ON TWO-LANE ROAD  
W/ FLAGGER, DAYTIME ONLY**



**LANE CLOSURE ON TWO-LANE ROAD  
WITH LOW TRAFFIC VOLUMES  
(PRIOR APPROVAL REQUIRED)**



**MULTIPLE LANE CLOSURE AT AN  
INTERSECTION**



**RIGHT -HAND LANE CLOSURE ON THE  
FAR SIDE OF AN INTERSECTION**

NO.	DATE:	REVISION	BY:	APP'D

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---

**DRIGGS DESIGN GROUP, PA**  
 Surveying Engineering Planning  
 MANHATTAN - HAYS - EMPORIA - TOPEKA - GOODLAND

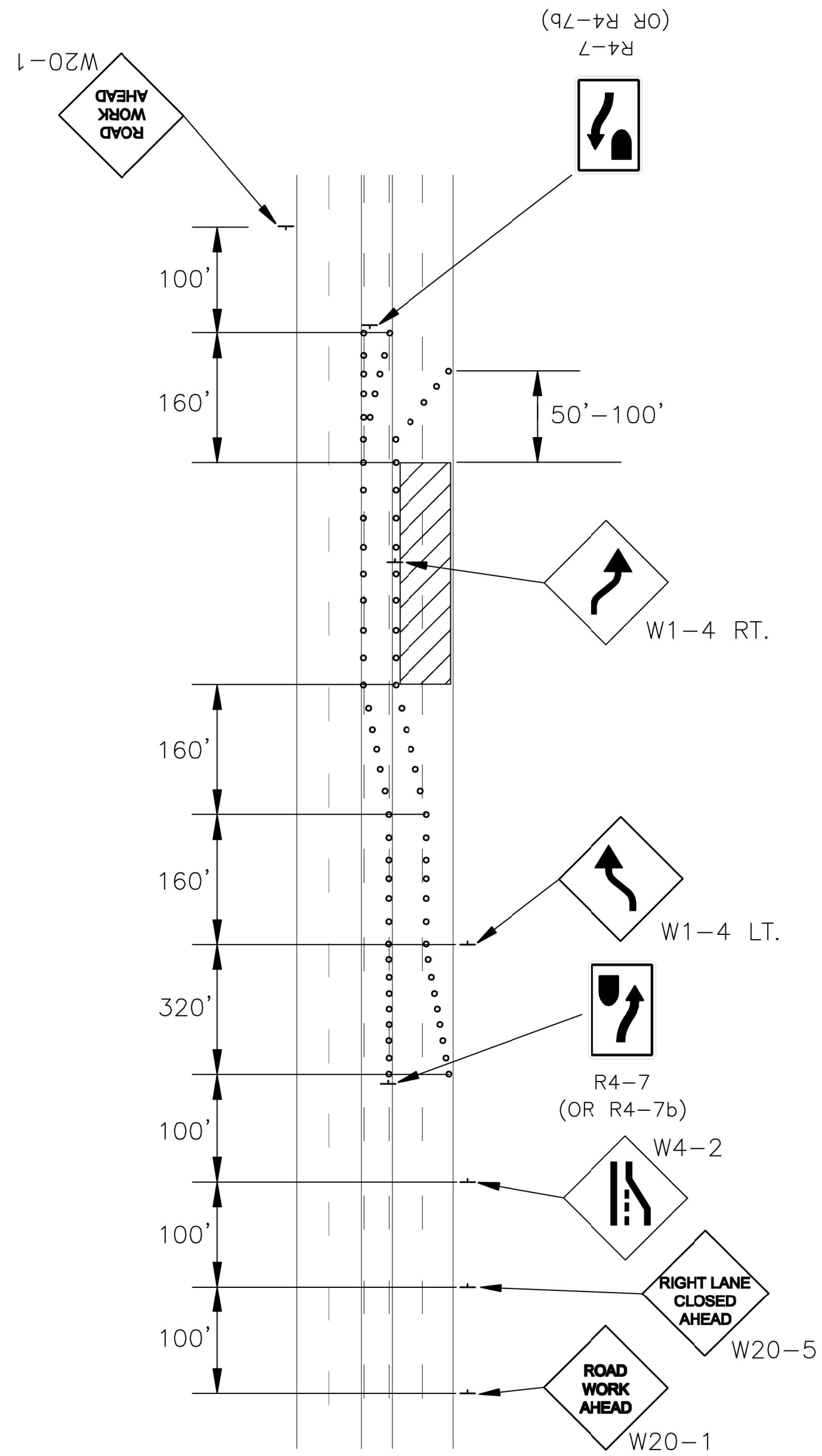
**TOPEKA**  
 Public Works  
 ENGINEERING  
 515 S. KANSAS AVENUE SUITE 301 TOPEKA, KS 66603-3417  
 Phone: (785) 368-3842 • Fax: (785) 368-3881

**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

**TRAFFIC CONTROL  
(2)**

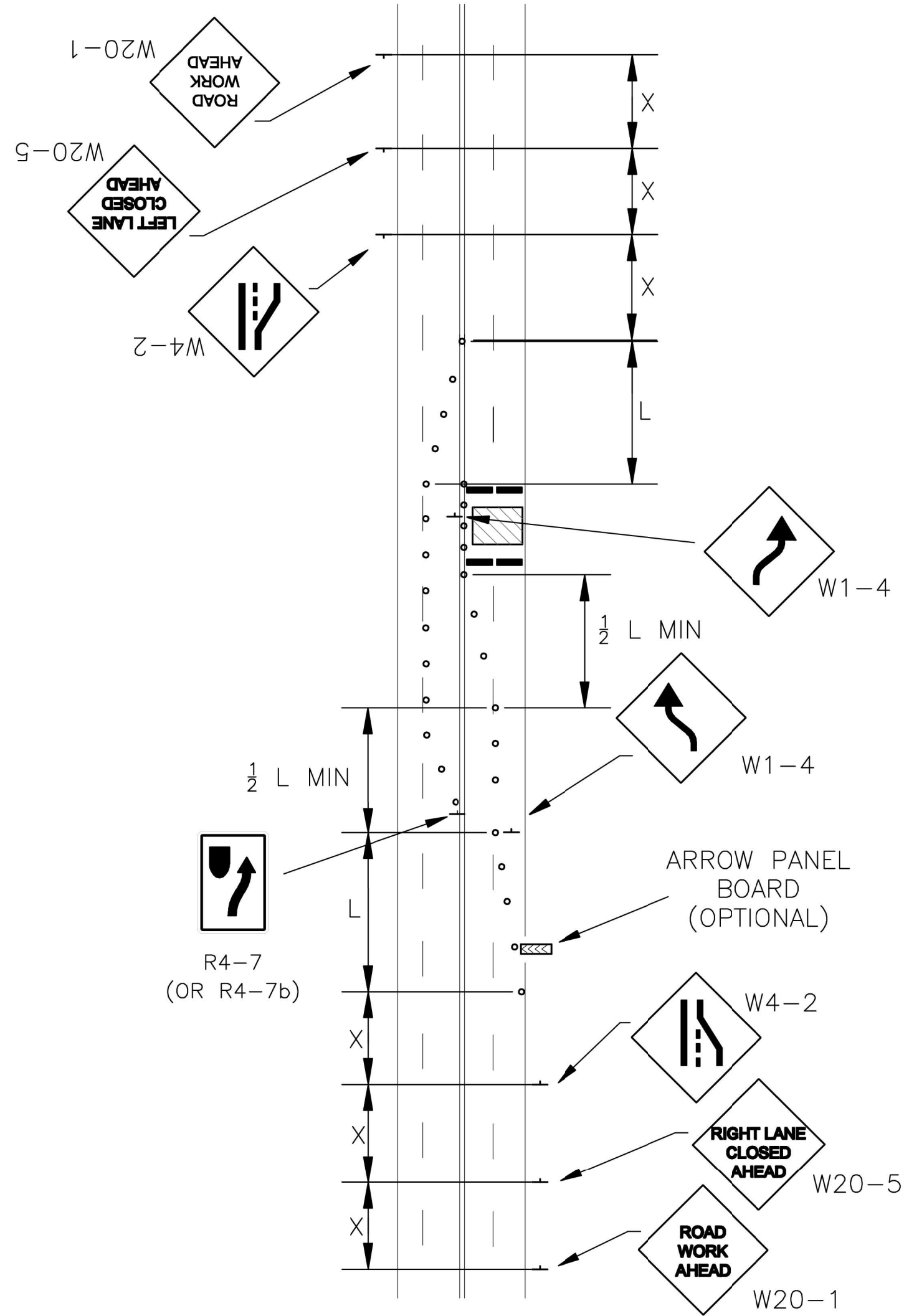
DATE: 11/4/2025  
 SHEET: 15 of 17  
 PROJ.: 841099.06

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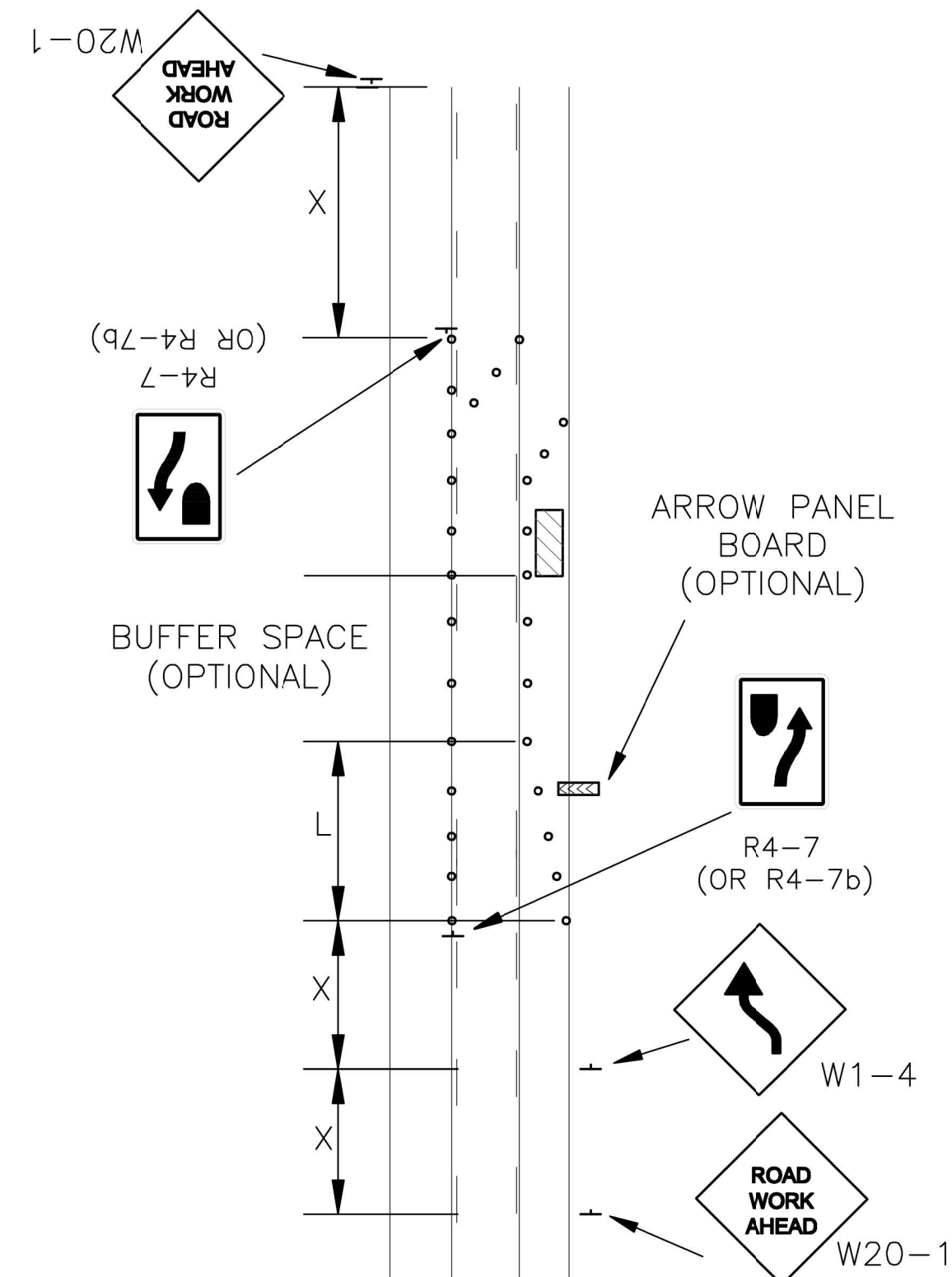


**FIVE LANE ROADWAY  
w/ TWO LANES CLOSED**

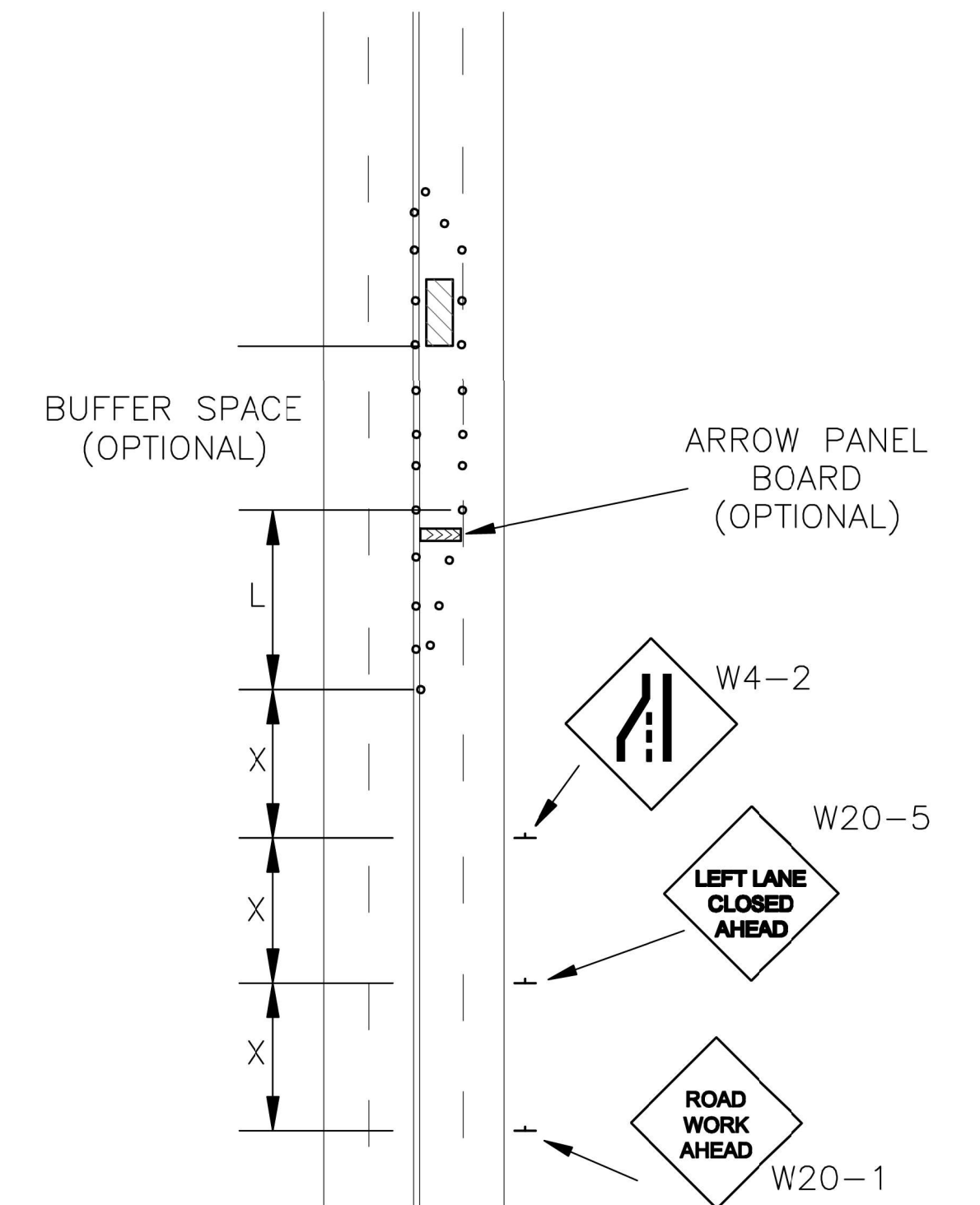
(BASED ON SPEED LIMIT OF 40mph  
AND LANE WIDTH OF 12')



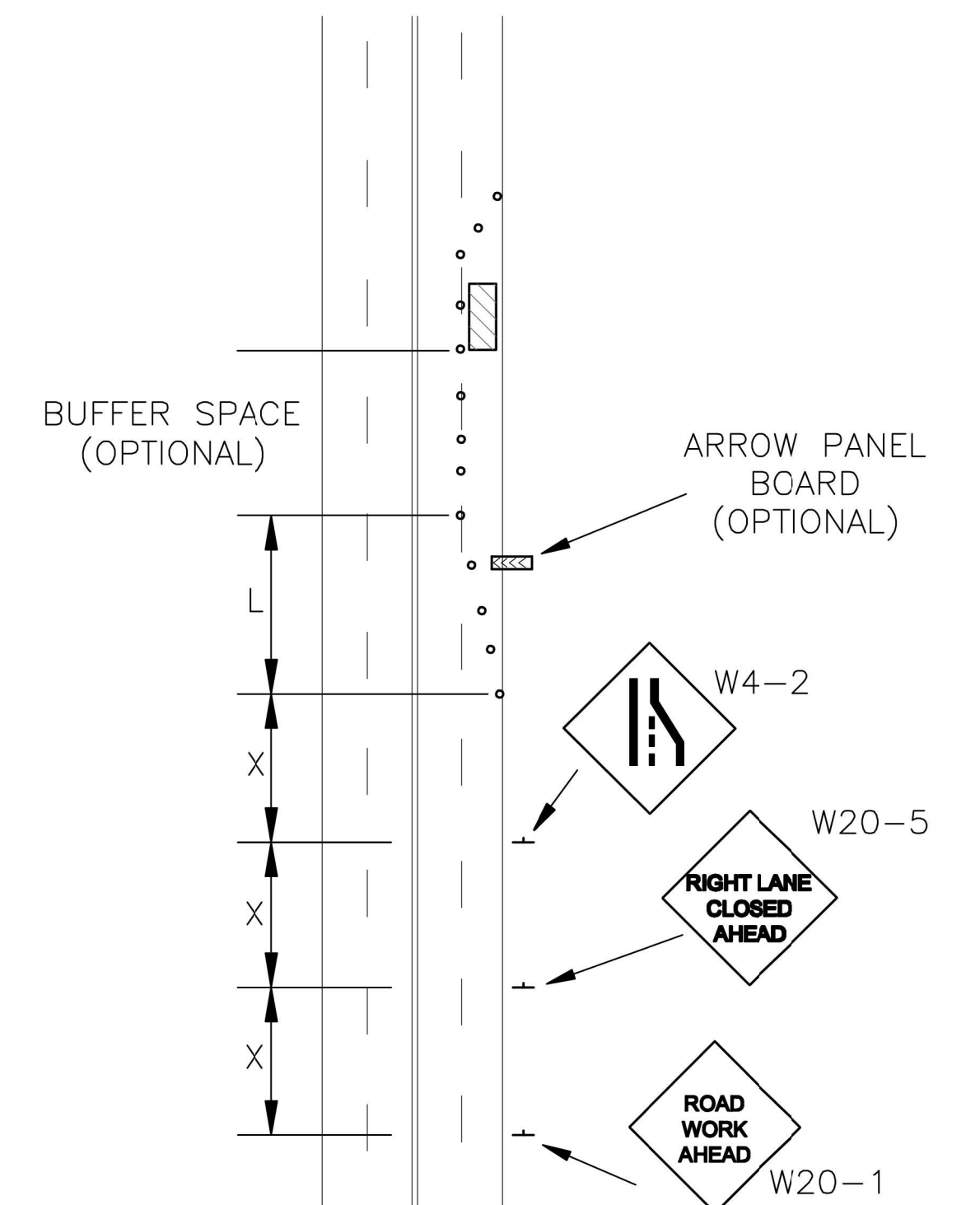
**4-LANE UNDIVIDED ROADWAY-HALF  
ROADWAY IS CLOSED**



**LANE CLOSURE WITH  
TWO-WAY  
LEFT TURN LANE**



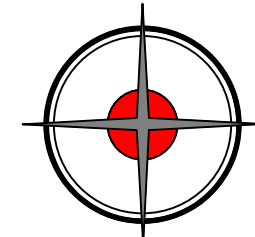
**LEFT LANE CLOSURE  
ON 4-LANE ROADWAY**



**RIGHT LANE CLOSURE  
ON 4-LANE ROADWAY**

NO.	DATE:	REVISION	BY:	APP'D

DRAWN BY: E. CHAVEZ  
 APP'D BY: E. NICHOL  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: ---



**DRIGGS DESIGN GROUP, PA**  
 Surveying Engineering Planning  
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**HUGHES PARK AREA STREET IMPROVEMENTS**  
 841099.06  
**SW 7TH - 8TH & CAMBRIDGE - ORLEANS**

**TRAFFIC CONTROL  
(3)**

DATE: 11/4/2025  
 SHEET: 16 of 17  
 PROJ.: 841099.06

