



**GENERAL NOTES:**

All construction methods and materials used in the construction of the improvements covered by these plans shall be in accordance with the Standard Technical Specifications and addendum's to the (STS) on file in the office of the City Engineer, City of Topeka, Kansas.

**SAWCUTS:**

All sawcuts required to perform the work as described or called out, shall be SUBSIDIARY to other bid items in the project. They shall not be paid for directly. All areas called out for pavement removal of Reinforced concrete pavement shall be sawcut prior to removal. If the Contractor wishes to remove additional asphalt/ concrete adjacent to the sawcut limit, to set a form for the edge of the concrete, any additional pavement remove and replaced shall be SUBSIDIARY and not an additional expense to the City.

**EXCAVATION**

The existing pavement thickness is estimated to be 7.25". The excavation given is estimated for any differences in the pavement thickness between the existing and proposed pavement. The Contractor and inspector shall keep track of earthwork quantities in the field.

**6" SUBGRADE PREPARATION**

The subgrade below all pavement, sidewalk, & curb items shall receive 6" of subgrade preparation and shall be Type A Compaction. The Contractor shall obtain a proctor for the material. All subgrade preparations, proctor, and compaction shall be SUBSIDIARY to other bid items.

**CONTRACTOR CONSTRUCTION STAKING:**

The Contractor shall digitally obtain centerline & edge of pavement elevations prior to any pavement removal. The contractor shall conform the field dimensions, alignments and layout of sewer lines, Inlets & Manholes prior to or in coordination with preparing shop drawing. While setting forms for the concrete, the Contractor and Inspector shall use visual judgement to smooth out the alignment. Stakes shall be set every 20' in the field. The grades shall be set so that all water will drain off the pavement. All locations, where full width of the road is to be removed & replaced, shall be phased in the manner of the typical detail shown. Any work, time, or other incidentals required to complete the above described work and any other work required to match existing grades and comply to Topeka Specifications, all shall be SUBSIDIARY to the bid item "Contractor Construction Staking" and paid by the Lump Sum.

**STORMWATER POLLUTION PREVENTION PLAN**

All Inlets that will be exposed to runoff from the construction site shall receive Inlet Protection (Curb) as shown in DT-020. Any stock piles shall be protected with erosion & pollution control devices and if in place for 14 days or more shall receive temporary seeding and mulching.

**EXISTING PERMANENT SIGNS:**

The Contractor shall take care not to displace or damage existing permanent signs. Where the permanent signs must be removed for construction, the Contractor shall remove it without damaging and re-install the sign after construction. Stop Signs shall be placed on temporary stands until the work is completed. This work is SUBSIDIARY to other items of the contract. If a sign is damaged, the Contractor shall be liable for costs if it is determined the damage could have been prevented.

**EXISTING PAVEMENT:**

The existing pavement is 7.25" Reinforced Concrete Pavement with monolithic Curb & Gutter. All removal is SUBSIDIARY to the bid item "Pavement Removal."

**NEW PAVEMENT:**

The new pavement shall be 10" NRDJ Concrete Pavement. A maximum spacing of 15' shall be maintained between the Contraction Joints. The joints on C&G and Pavement shall align at all points. Refer for the Joints detail DT-017 & Special condition section. All this work is considered SUBSIDIARY to the "10" NRDJ Concrete Pavement" bid item.

The contractor shall provide a dowel joint as shown in detail DT-017 - "FULL PANEL REPAIR & UTILITY CUTS FOR CONCRETE PAVEMENT" between the old & new concrete pavements. All this work is considered SUBSIDIARY to the "10" NRDJ Concrete Pavement" bid item.

The contractor may utilize advanced equipment, such as slipform paving machines and power screeds, for the placement and finishing of the concrete pavement. Adequate curing time shall be provided to ensure the new concrete attains maximum strength prior to performing work on adjacent pavement. The contractor shall ensure that no damage occurs to the new concrete pavement as a result of saw cutting or the use of heavy equipment during the finishing process.

**CURB INLETS:**

All the existing pipes are to be connected with the new storm inlets at the existing elevations. Prior to, and in coordination with the preparation of shop drawings, the Contractor shall survey the existing sewer lines, manholes & inlets. A list of possible conflicting underground utility for each Stormwater Inlets is provided in "Pavement Detail". The Contractor should coordinate with the respective utility companies and make any necessary adjustment before starting the excavation for the project. All such work shall be considered SUBSIDIARY to the Curb Inlet bid items

The curb inlet (FID: 5188) includes an oil spillage control valve connected to the City's stormwater system. As part of this project, the Contractor shall remove the existing control valve assembly. Following installation of the new curb inlet, the control valve assembly shall be reinstalled to match the existing configuration. All such work shall be considered SUBSIDIARY to the curb inlet bid items.

**PORTABLE MESSAGE BOARD:**

Place the portable message boards at least one week prior to the construction start date at the following locations: (1) Facing SB traffic on the SW corner of Martin Dr & 41 St and (2) Facing EB traffic on the SW corner of 42nd St & Martin Dr. Each board shall display "ROAD CONSTRUCTION ON SW 42ND ST BEGINS ON "MM-DD-YYYY""

**TRAFFIC CONTROL:**

The Contractor shall maintain access to local traffic at all time during construction. Refer to Pages 5-7 of project plan set for additional details on the "Phasing Plan" & "Traffic Control Plans" The layouts and locations of all devices included in Traffic Control shall conform to the MUTCD and the applicable City of Topeka Standard Drawings. Additionally, the Contractor shall place channelizers, linked together with temporary construction fencing or caution tape, around the limits of the project. The traffic control devices shall not disrupt traffic on adjacent streets.

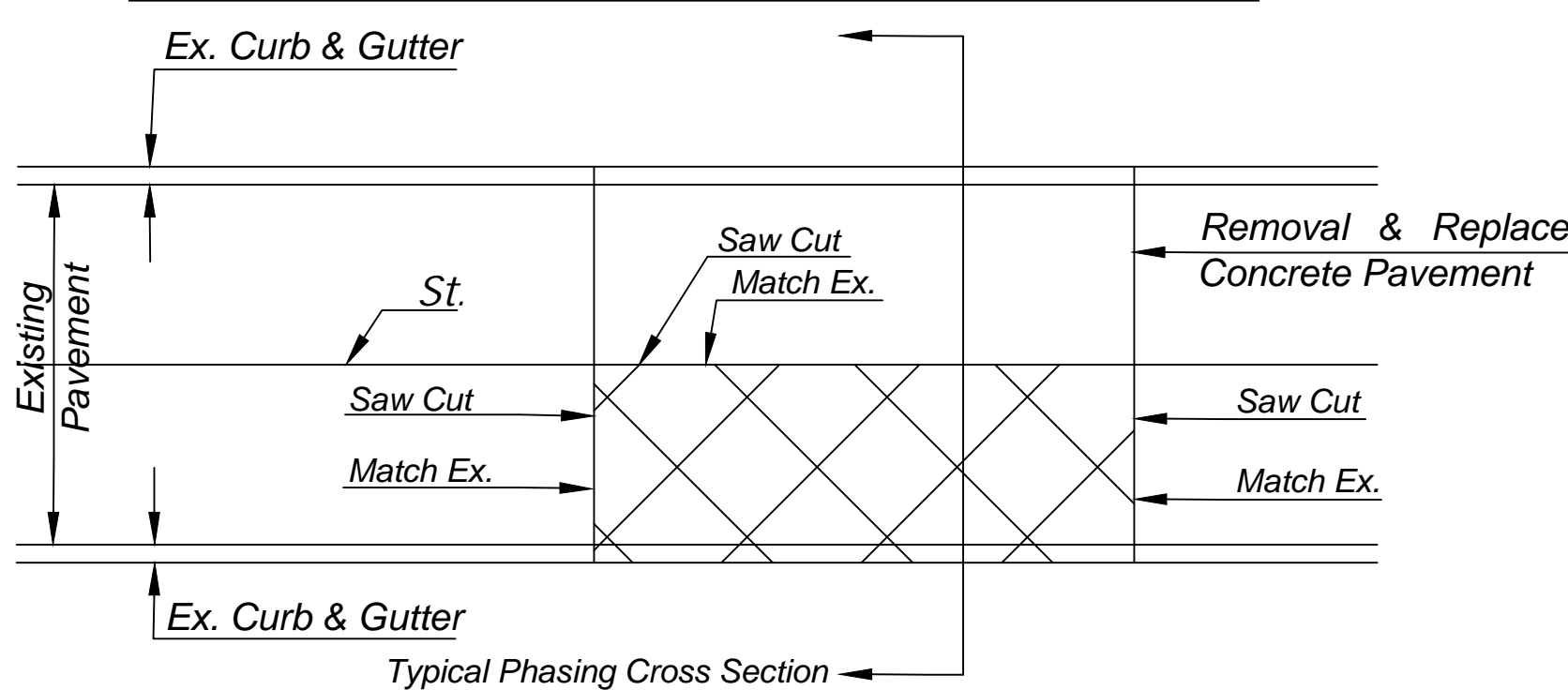
**ACCESS DURING CONSTRUCTION**

All Businesses shall be provided access all time during the construction. Refer to Page 5 of the plan set for additional details on the "Phasing Plan." The Contractor shall notify all residents and/or businesses 7 days prior to any changes in traffic conditions. This includes changes from construction phasing. When streets are to be closed, the notification and approval from the City of Topeka Traffic Department shall be required. Notice to the City shall be 72 hours prior to setting up the temporary traffic control items. The Contractor shall submit the Temporary Traffic Control Plan to the Engineer before starting the construction.

**SHAWNEE COUNTY SOLID WASTE SERVICE DURING CONSTRUCTION**

The Contractor shall be responsible for all the resident's solid waste that is within the construction project. Weekly, the Contractor must move the trash containers to the street or a location that is easily accessible to the trash truck. For this project, The Contractor is responsible for all trash services (i.e. Wastemanagement) of residents within the construction project. The work is not paid directly, but SUBSIDIARY to other items of the project.

**PHASING FOR FULL-ROAD WIDTH PAVEMENT REPLACEMENT**

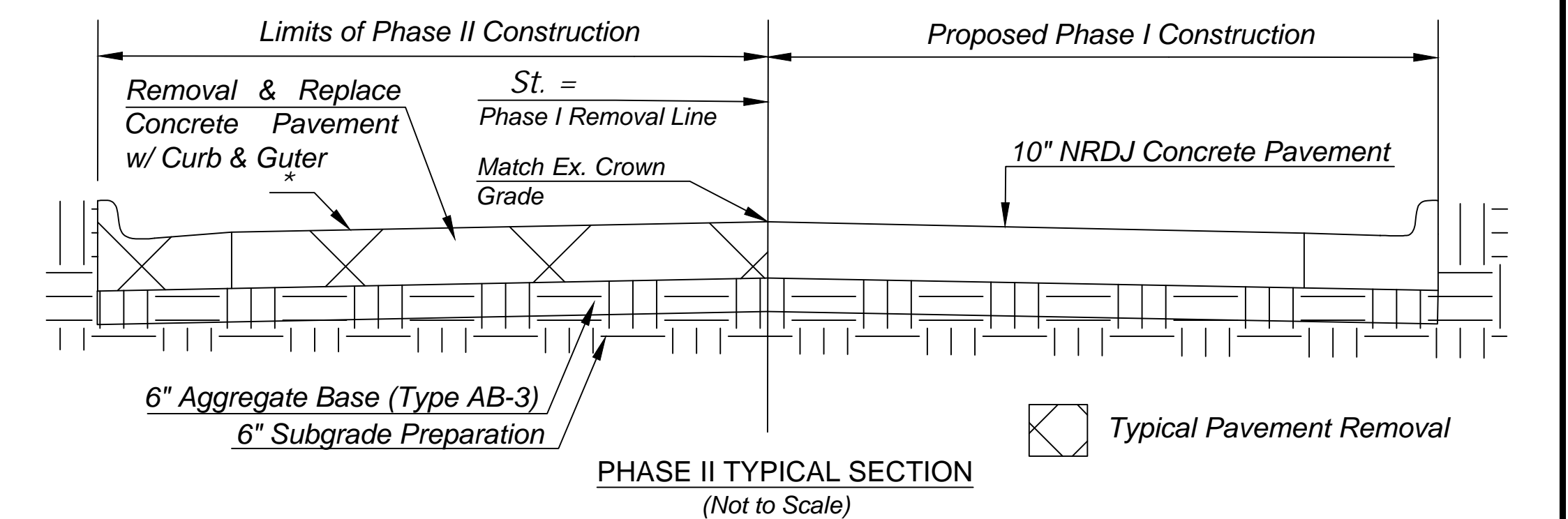
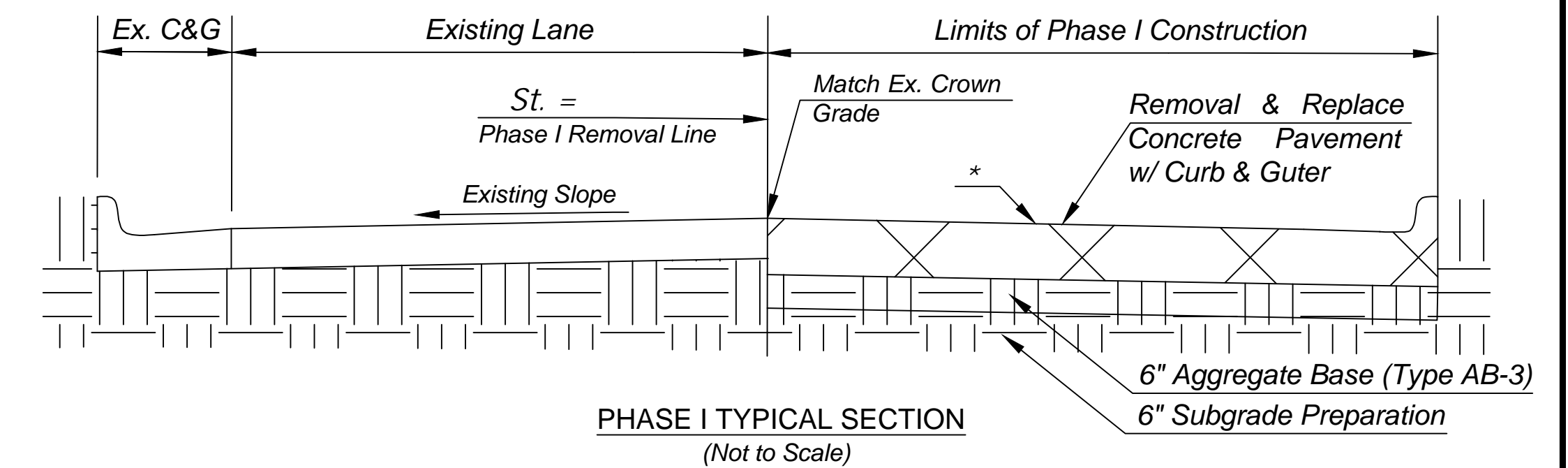


**ESTIMATE OF QUANTITIES**

Item No.	Base Bid Item	Totals	Unit
1.	Unclassified Excavation	312	CY
2.	Portable Message Board	2	EACH
3.	Project Sign, Type (A)	1	EACH
4.	Pavement Removal	4233	SY
5.	Contractor Construction Staking	1	LS
6.	Concrete Curb & Gutter (Type -1)	1770	LF
7.	10" NRDJ Concrete Pavement	3742	SY
8.	Aggregate Base Course (Type AB-3)	1452	TON
9.	Removal of Existing Structures	1	LS
10.	Curb Inlet, Type I-P, L= 10'	4	EACH
11.	Curb Inlet, Type I-P, L= 7'	4	EACH
12.	Additional Depth, Curb Inlet, Type I-P, L= 7'	4.1	VF
13.	Adjust Existing Manhole Cover	1	EACH
14.	Seeding, Fertilizing and Mulching	0.3	ACRE
15.	Inlet Protection	9	Each
16.	Traffic Control	1	LS

**Add Alternative-1**

101.	Unclassified Excavation	140	CY
102.	Pavement Removal	1808	SY
103.	Contractor Construction Staking	1	LS
104.	Concrete Curb & Gutter (Type -1)	480	LF
105.	10" NRDJ Concrete Pavement	1675	SY
106.	Aggregate Base Course (Type AB-3)	626	TON
107.	Adjust Existing Manhole Cover	1	EACH
108.	Seeding, Fertilizing and Mulching	0.1	ACRE
109.	Traffic Control	1	LS



\* Contractor shall identify existing cross slope & lane width prior to removal & match the existing

NO.	DATE:	REVISION	BY:	APP'D

DRAWN BY: UK  
 APP'D BY: REB  
 FIELD BOOK: ---  
 SURVEYED BY: -----  
 PLOTTED: ---/--/---

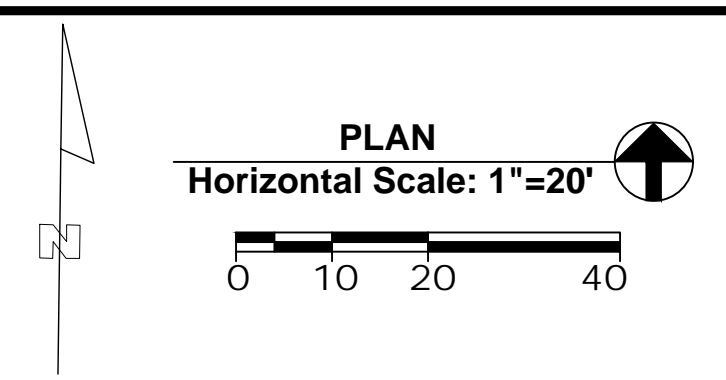


SW 42nd ST. EAST OF MARTIN DR.  
 841099.04 & 501125.04  
 DEPARTMENT OF PUBLIC WORKS

GENERAL NOTES

DATE: 2026  
 SHEET: 2 of 18  
 PROJ.: 841099.04  
 501125.04

NOTE: The Contractor shall be solely responsible for verifying all information provided regarding the City's existing underground utilities. A licensed surveyor shall be retained by the Contractor to obtain and confirm all existing field dimensions, alignments, and layouts of the underground utilities designated for replacement. The shop drawings shall accurately incorporate all verified existing conditions and survey data. All collected survey information shall be submitted to the Engineer together with the shop drawings for review. All this work is considered SUBSIDIARY to other bid items.



EXISTING CURB INLET STRUCTURES				
FID	TYPE	DEPTH	EX. SIZE	POSSIBLE UTILITY CONFLICTS
5185	I-P	5.74'	57"x124"	-
5186	I-P	5.84'	76"x124"	-
5187	I-P	4.61'	43"x124"	Underground Gas & Telephone (AT&T) Lines
5190	II-P	6.15'	66"x84"	-
5191	II-P	6.64'	66"x84"	Underground Gas Line
101854	II-P	8.62'	66"x84"	Underground Communication (COX) Line

Ex. Horizontal Curve Data:  
 $\Delta = 27^{\circ}23'50''$   
 $R = 379.77'$   
 $T = 92.56'$   
 $L = 181.59'$

BASE BID:  
 Remove existing & replace with 10" Concrete Pavement with Curb & Guter (Type- 1) on 6" Aggregate Base (Type AB-3)

NO.	DATE:	REVISION	BY:	APP'D

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 APP'D BY: REB  
 FIELD BOOK: N/A  
 SURVEYED BY: N/A  
 PLOTTED: --/--/--

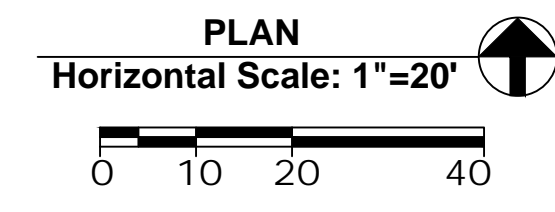


SW 42nd ST. EAST OF MARTIN DR.  
 841099.04 & 501107.08  
 DEPARTMENT OF PUBLIC WORKS

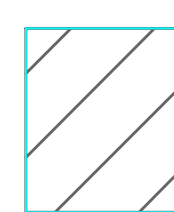
PAVEMENT PLAN-1

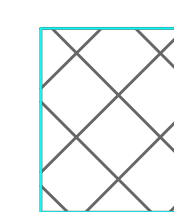
DATE: 2026  
 SHEET: 3 of 18  
 PROJ.: 841099.04  
 501125.04

NOTE: The Contractor shall be solely responsible for verifying all information provided regarding the City's existing underground utilities. A licensed surveyor shall be retained by the Contractor to obtain and confirm all existing field dimensions, alignments, and layouts of the underground utilities designated for replacement. The shop drawings shall accurately incorporate all verified existing conditions and survey data. All collected survey information shall be submitted to the Engineer together with the shop drawings for review. All this work is considered SUBSIDIARY to other bid items.



EXISTING CURB INLET STRUCTURES				
FID	TYPE	DEPTH	EX. SIZE	POSSIBLE UTILITY CONFLICTS
5188	II-P	5.12'	42"x124"	Underground Gas & Telephone (AT&T) Lines
5189	II-P	6.62'	66"x84.5"	-

 BASE BID:  
Remove existing & replace with 10" Concrete Pavement with Curb & Gutter (Type- 1) on 6" Aggregate Base (Type AB-3)

 ADD ALTERNATIVE-1:  
Remove existing & replace with 10" Concrete Pavement with Curb & Gutter (Type- 1) on 6" Aggregate Base (Type AB-3)

NO.	DATE:	REVISION	BY:	APP'D

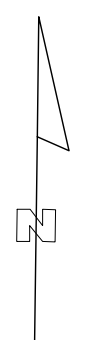
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 APP'D BY: REB  
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 SURVEYED BY: N/A  
 PLOTTED: --/--/--

**TOPEKA**  
 Public Works  
 ENGINEERING  
 620 SE MADISON ST. 2ND FL. TOPEKA, KS 66607  
 Phone: (785) 368-3842 Fax: (785) 368-3881

SW 42nd ST. EAST OF MARTIN DR.  
 841099.04 & 501107.08  
 DEPARTMENT OF PUBLIC WORKS

PAVEMENT PLAN-2

DATE: 2026  
 SHEET: 4 of 18  
 PROJ.: 841099.04  
 501125.04



 Construction Phase - I

 Construction Phase - II

 Construction Phase - III

NO.	DATE:	REVISION	BY:	APP'D

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 APP'D BY: REB  
 FIELD BOOK: ---  
 PLOTTED: --/--/--

**TOPEKA**  
*Public Works*  
 ENGINEERING

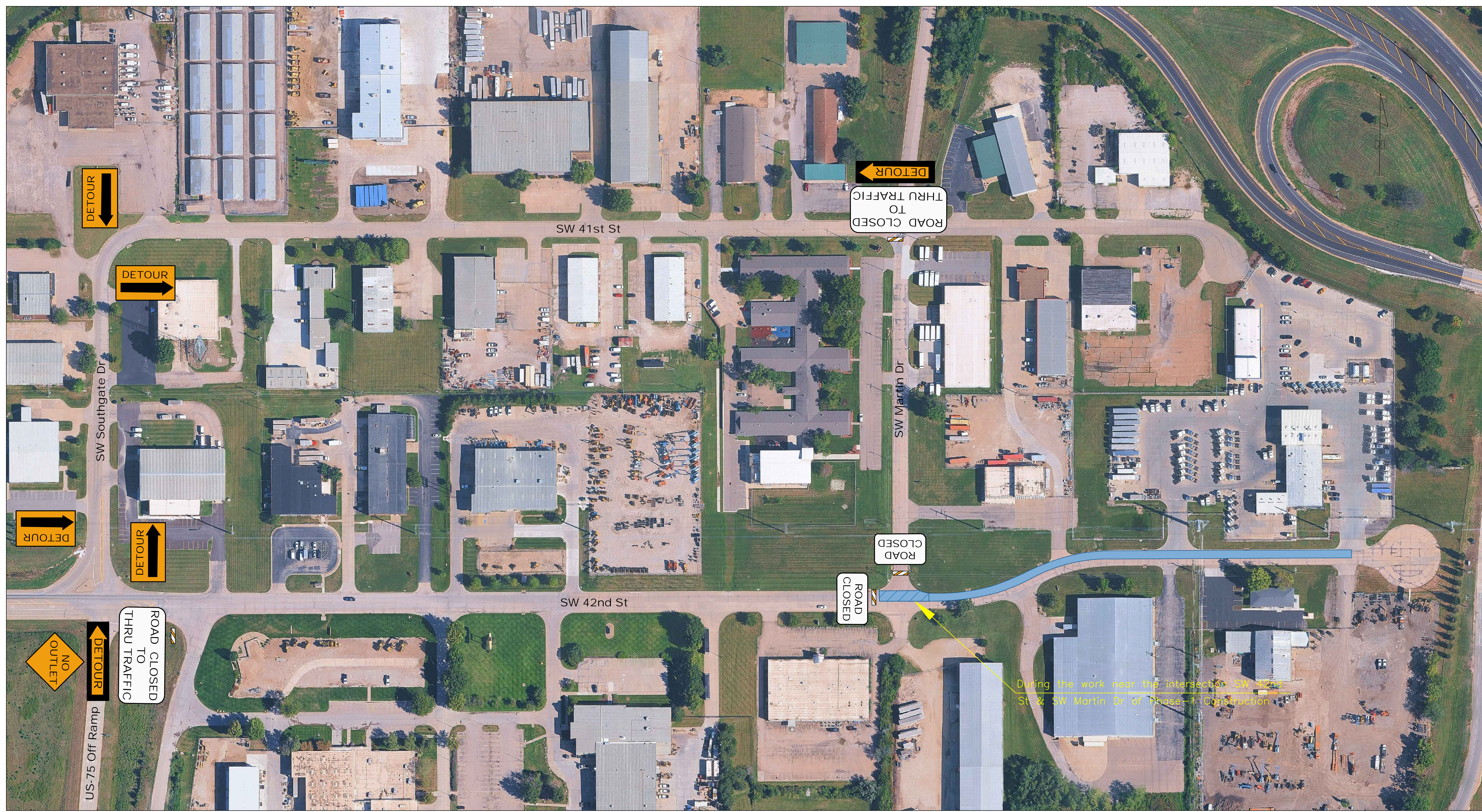
515 S. KANSAS AVENUE SUITE 301 • TOPEKA, KS 66603-3417  
 Phone: (785) 368-3842 • Fax: (785) 368-3881

SW 42nd ST. EAST OF MARTIN DR.  
 841099.04 & 501125.04  
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PHASING PLAN

DATE: 2026  
 SHEET: 5 of 18  
 PROJ.: 841099.04  
 501125.04

Note: All temporary traffic control devices show below is in addition to those indicated in traffic control setup DT-119: LANE CLOSURE ON TWO-LANE ROAD WITH LOW TRAFFIC VOLUMES. Upon the newly placed concrete in this section attaining the required strength, the intersection shall be reopened to traffic. All associated work shall be considered SUBSIDIARY to the Traffic Control bid item.



Construction Phase - I

NO.	DATE	REVISION	BY	APP'D

DRAWN BY: UV  
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 FIELD BOOK: ---  
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*Public Works*  
 ENGINEERING

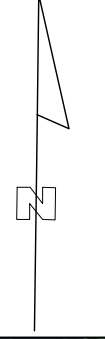
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SW 42nd ST. EAST OF MARTIN DR.  
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TRAFFIC CONTROL PLAN-1

DATE: 2026  
 SHEET: 6 of 18  
 PROJ.: 841099.04  
 501125.04

Note : If Add. Alternative -1 is awarded to the project, the following TTC devices should be installed. All this work is considered SUBSIDIARY to Traffic Control bid item.



Construction Phase - III

NO.	DATE:	REVISION	BY:	APP'D

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 FIELD BOOK: ---  
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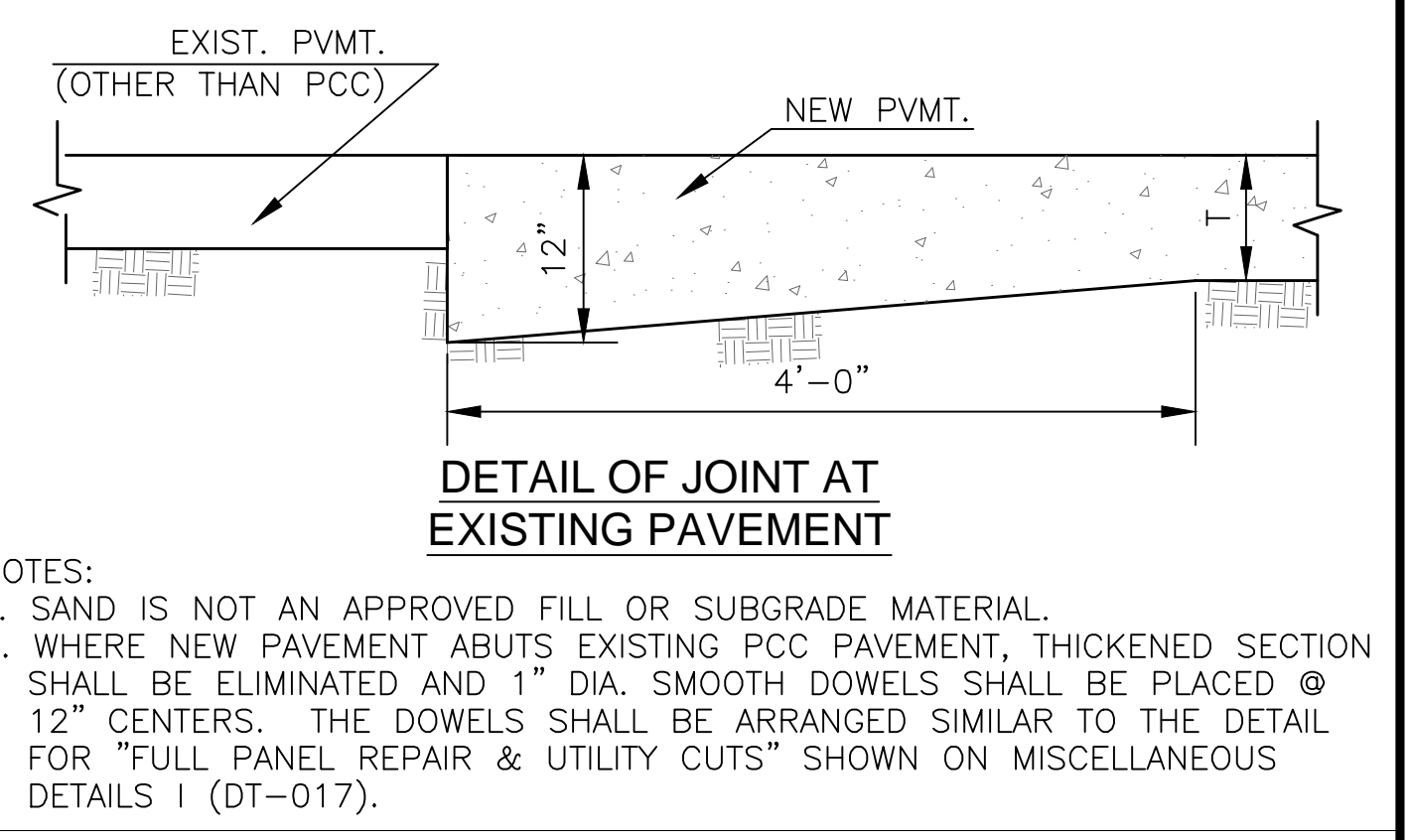
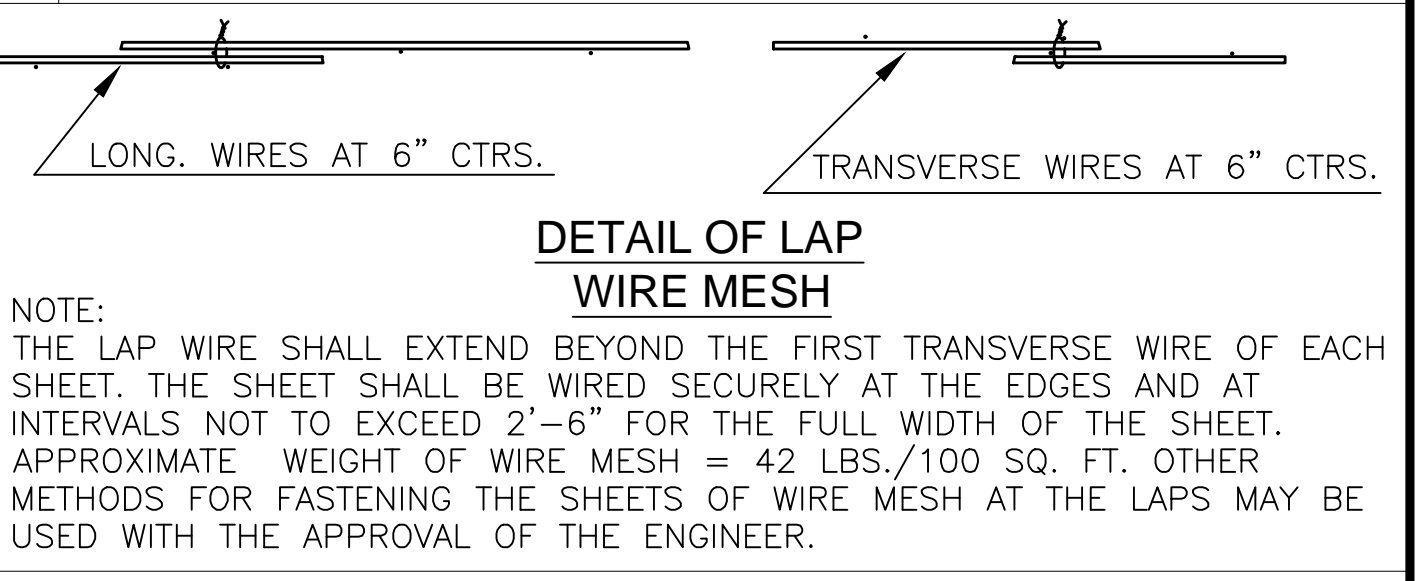
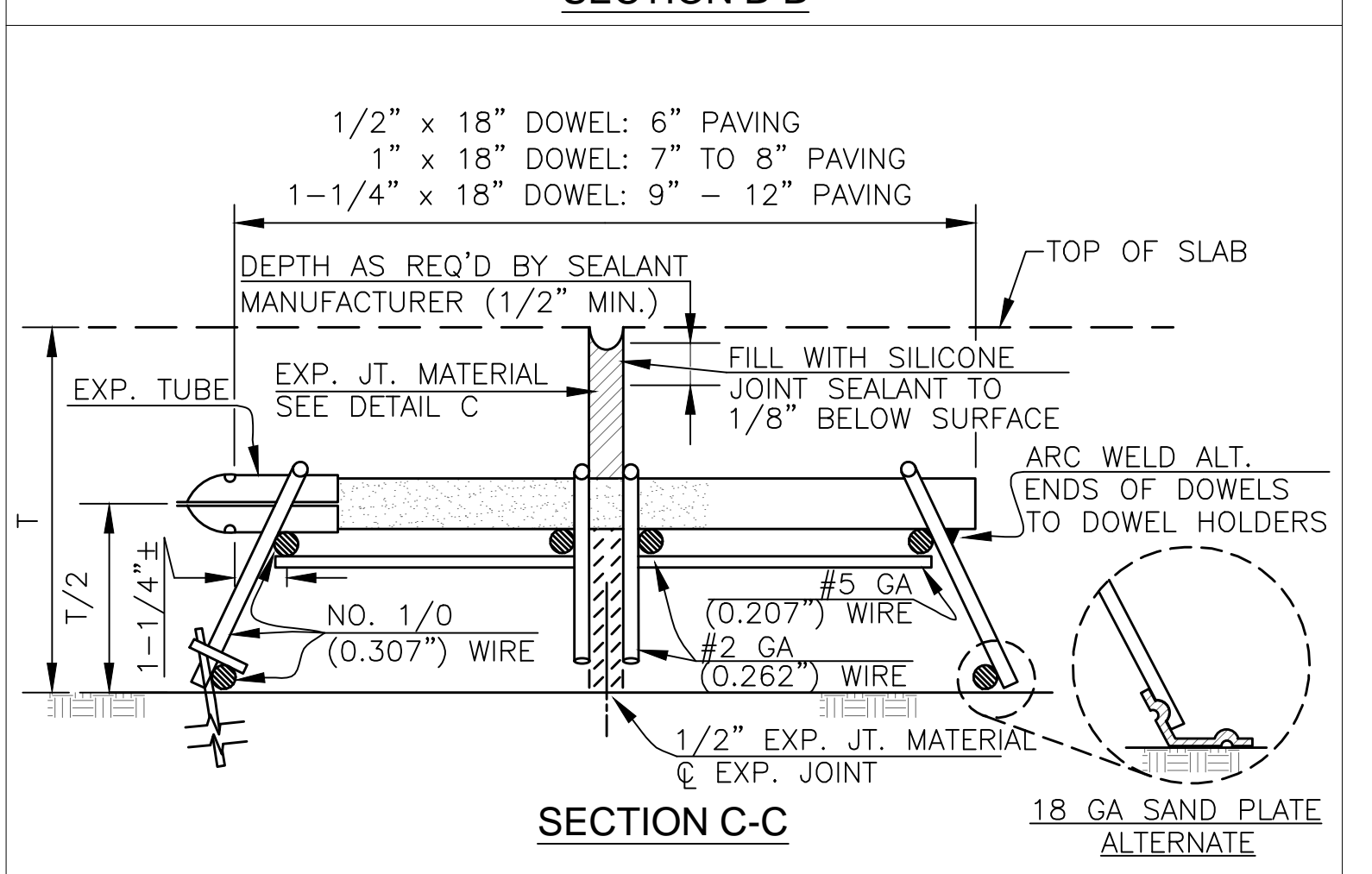
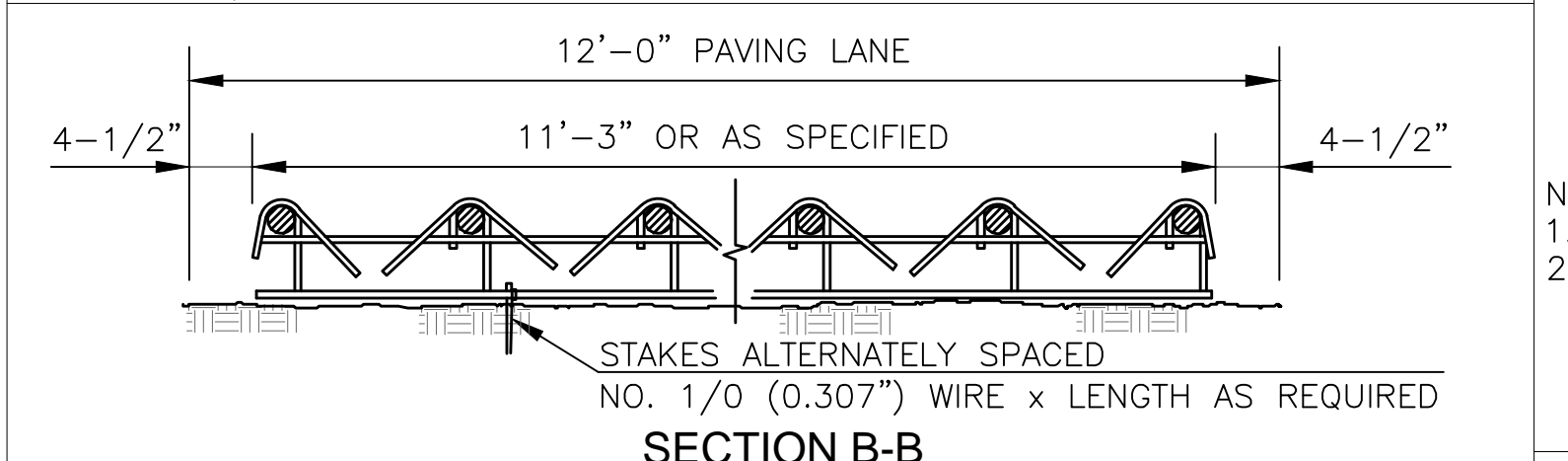
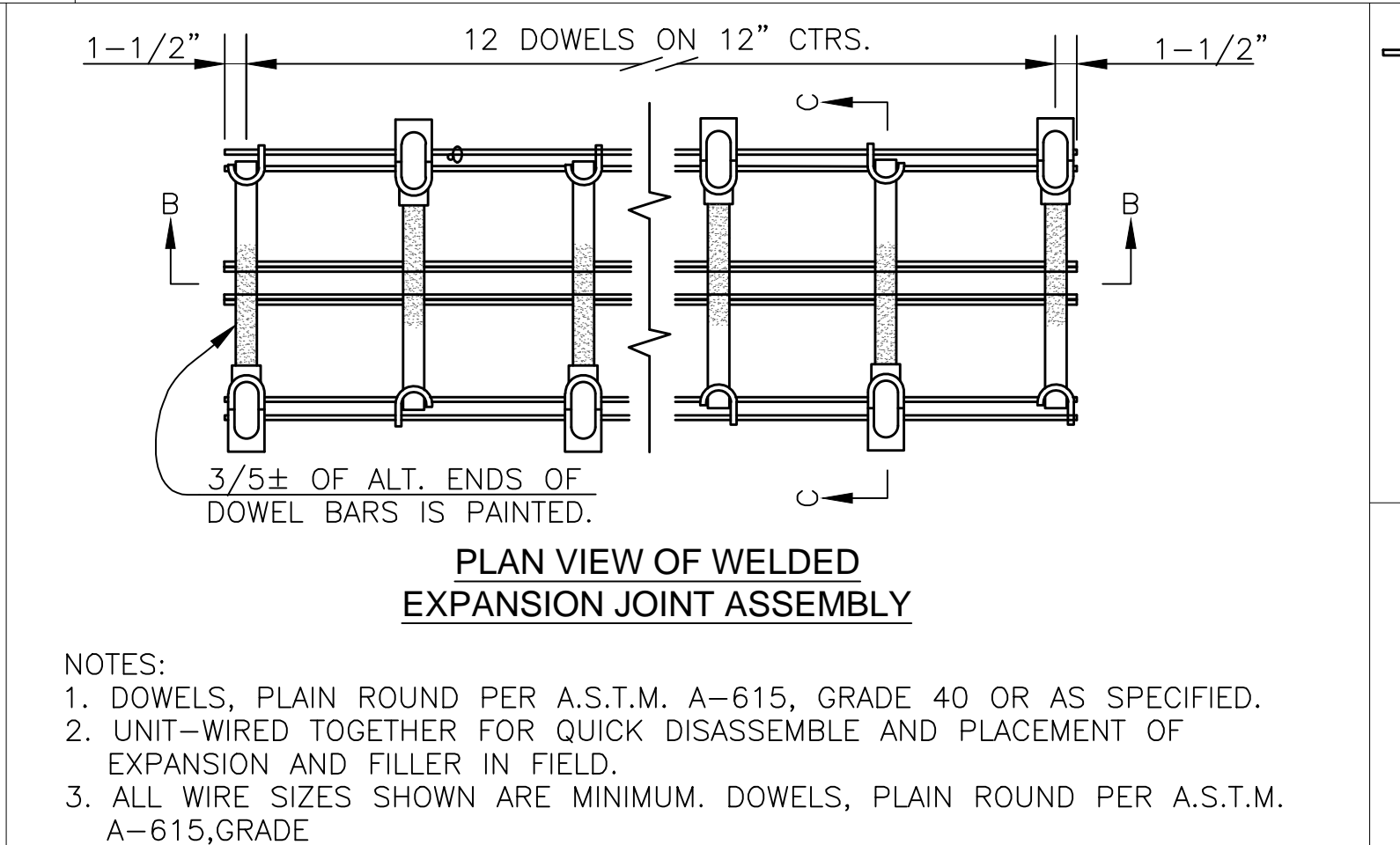
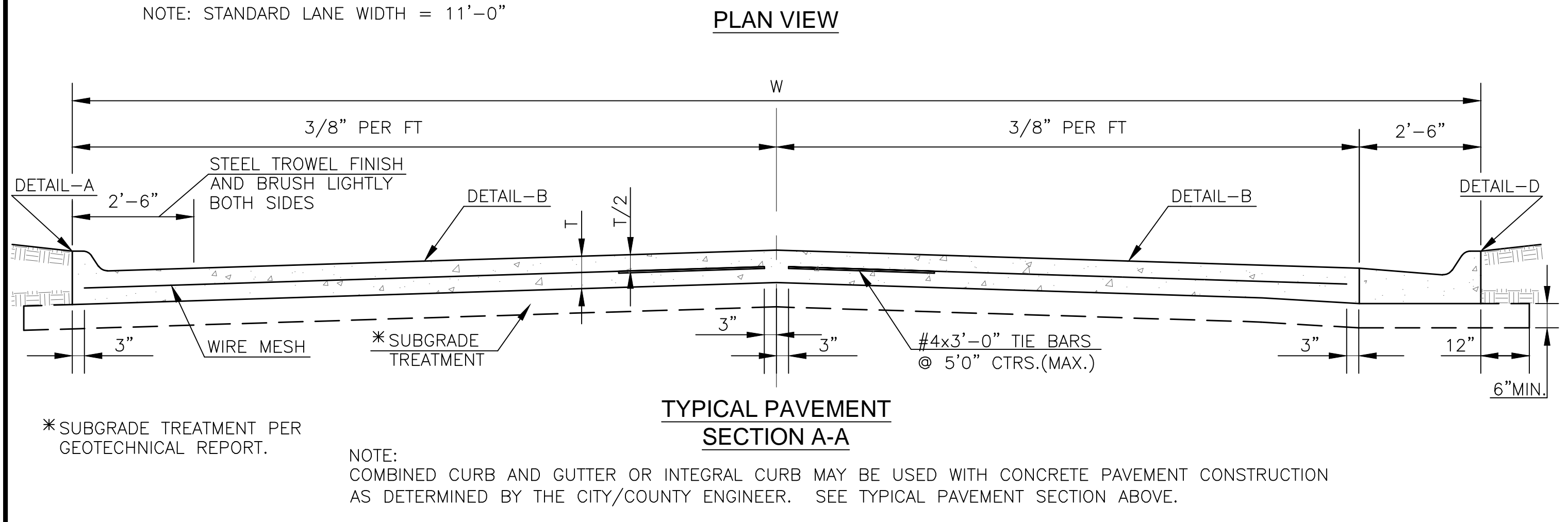
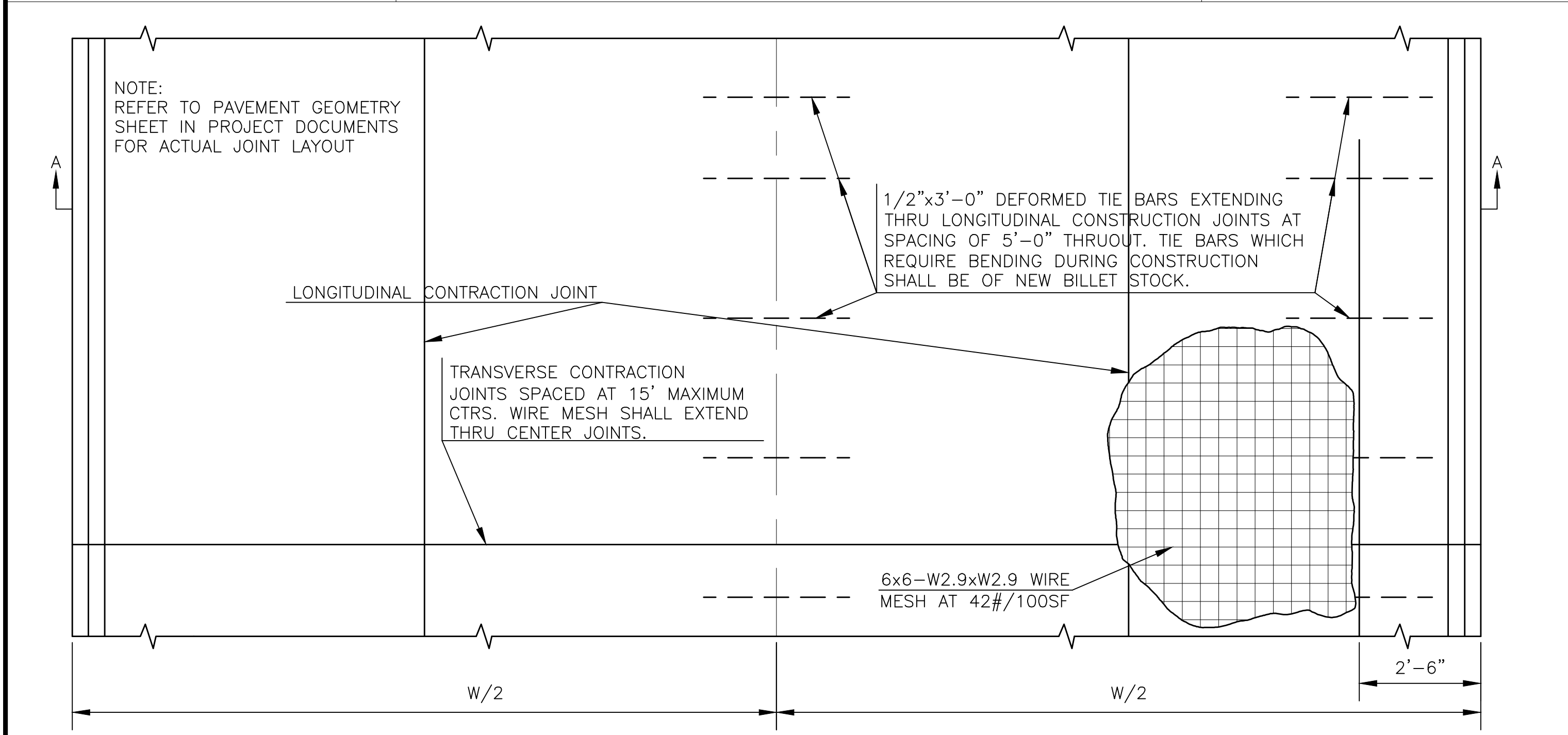
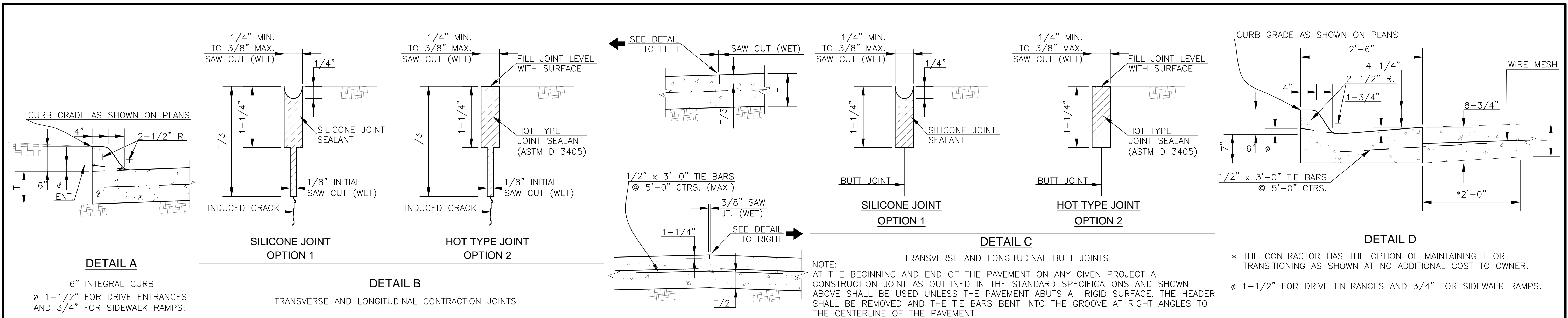
**TOPEKA**  
*Public Works*  
 ENGINEERING

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SW 42nd ST. EAST OF MARTIN DR.  
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 DEPARTMENT OF PUBLIC WORKS

TRAFFIC CONTROL PLAN-2

DATE: 2026  
 SHEET: 7 of 18  
 PROJ.: 841099.04  
 501125.04



ROAD CLASSIFICATION	MINIMUM PAVEMENT THICKNESS (T)
LOCAL	6"
COLLECTOR	7"
ARTERIAL	9"

NOTE: THE CITY ENGINEER MAY REQUIRE FURTHER ANALYSIS TO DETERMINE T FOR SPECIFIC LOCATIONS.

NO.	DATE	REVISION	BY	APP'D
6	July 2025	Added minimum pavement thicknesses	JAH	MS
5	June 2018	Eliminated sealing butt joint at curb toe	DHS	JVH
5	March 2013	Made bar size " & added ref. to DT-017	DHS	SB
4	Dec. 2012	Changed to tie bars at Detail D	DHS	SB
3	March 2010	Eliminated keyed joint at Typical Section	DHS	SB
2	Dec. 2009	Eliminated keyed joints	DHS	SB
1	Feb. 2008	Mod. Det.'s B,C&D and Sect.'s A-A&D-D	DHS	SB

DRAWN BY: *rm/mc*

APP'D BY: *R. Anthony Kany*

**SHAWNEE COUNTY, KANSAS**  
PUBLIC WORKS DEPARTMENT

1515 NW SALINE  
TOPEKA, KS 66618  
(785) 233-7702

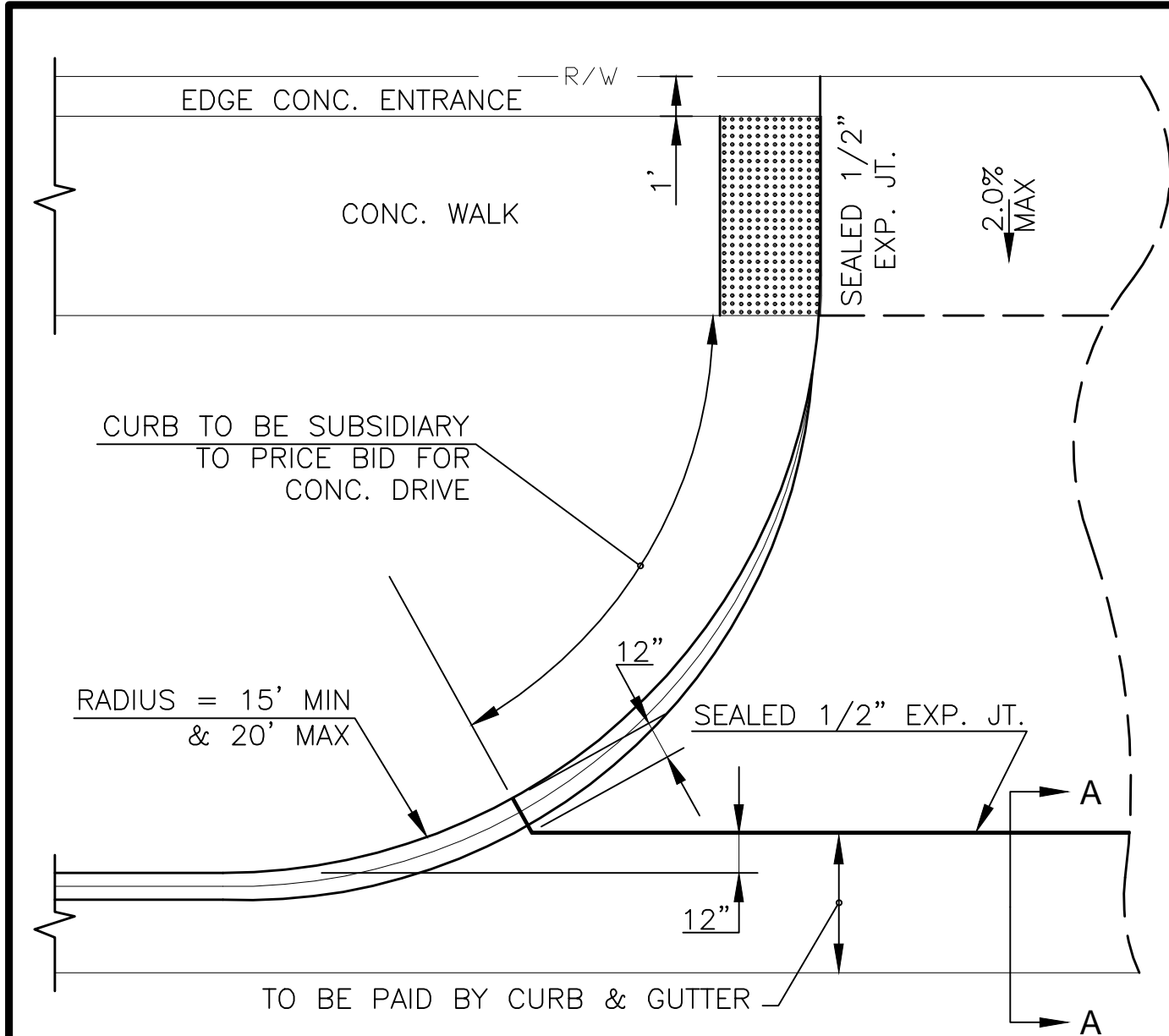
**TOPEKA**  
Public Works  
ENGINEERING

620 SE MADISON St - 2nd Floor - TOPEKA, KS 66607  
Phone: (785) 368-3842 Fax: (785) 368-3881

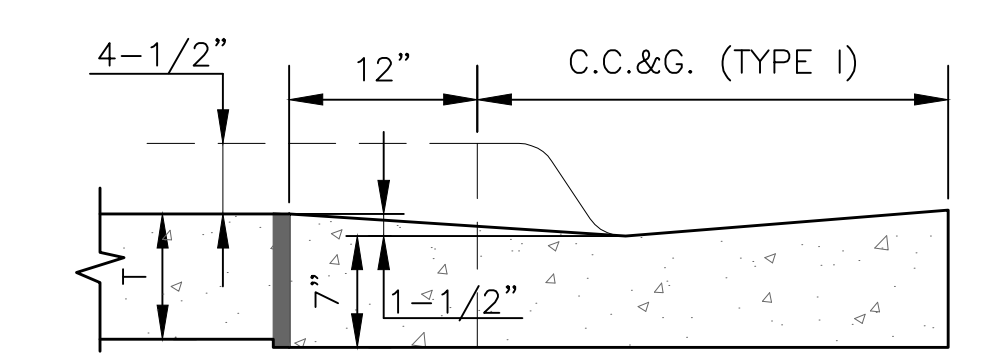
STANDARD DETAILS

CONCRETE PAVEMENT  
DETAILS  
(DT-002)

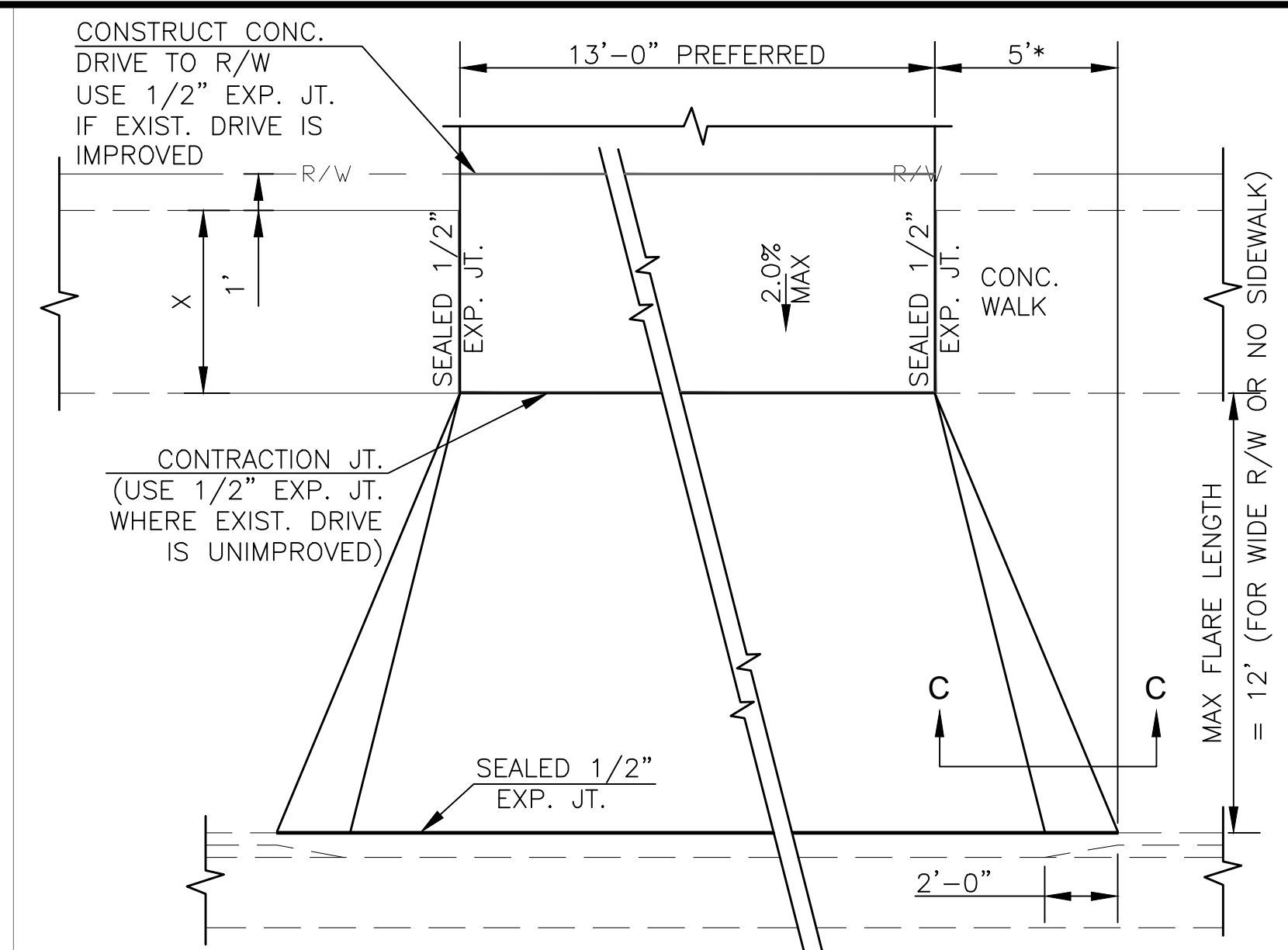
DATE: 2026  
SHEET: 8 of 18  
841099.04  
PROJ.: 501125.04



**COMMERCIAL DRIVE APPROACH**

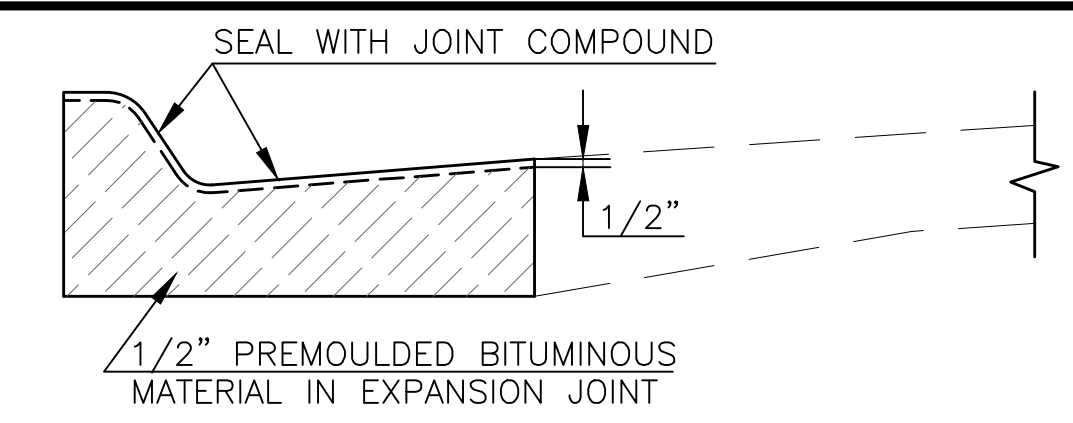
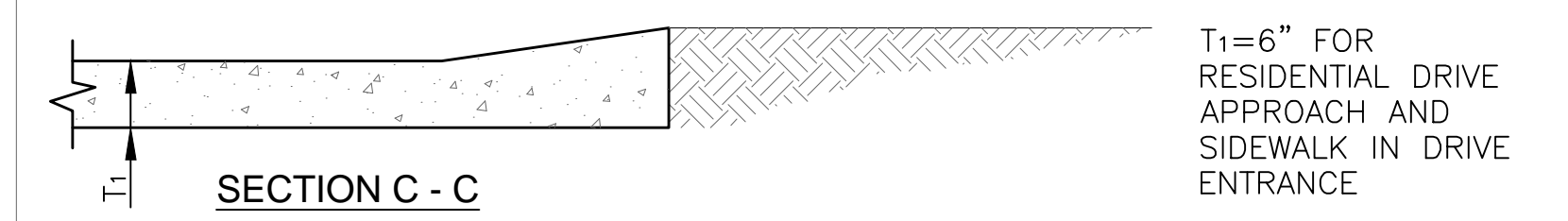


T=8" NON-REINFORCED FOR COMMERCIAL DRIVE, ALLEY APPROACH, AND SIDEWALK IN DRIVE ENTRANCE.



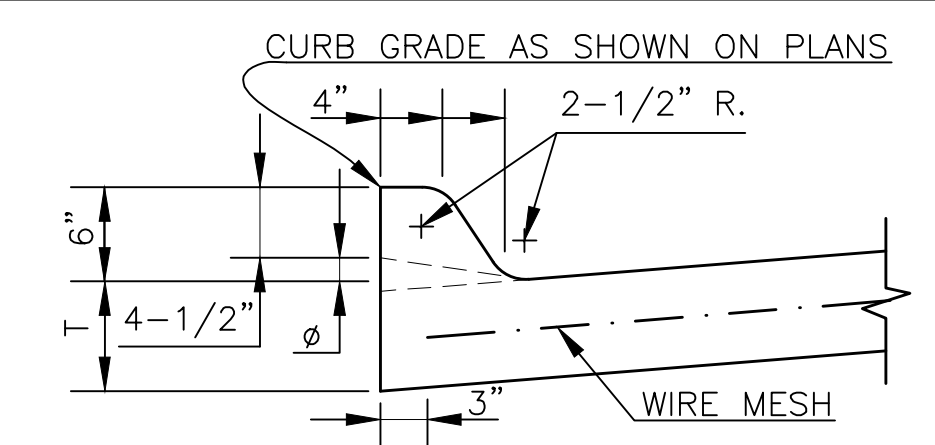
**TYPICAL PRIVATE DRIVE APPROACH**

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 L 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. WHEN DRIVEWAY IS ADJACENT TO PROPERTY LINE, REDUCE FLARE LENGTH TO KEEP FLARE AT BACK OF CURB WITHIN THE PROPERTY LINE.

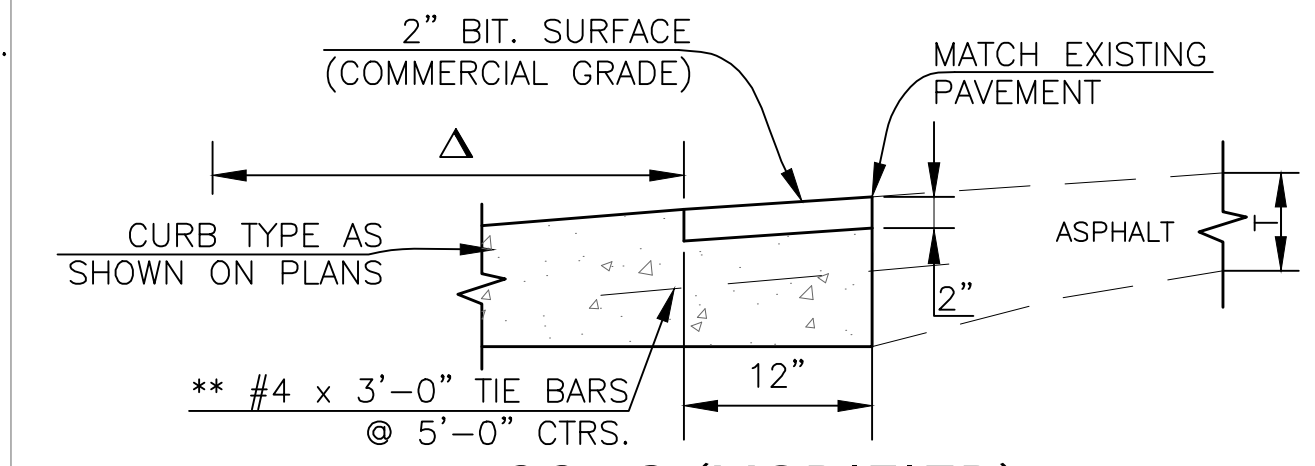


**CURB AND GUTTER EXPANSION JOINT DETAILS**

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.

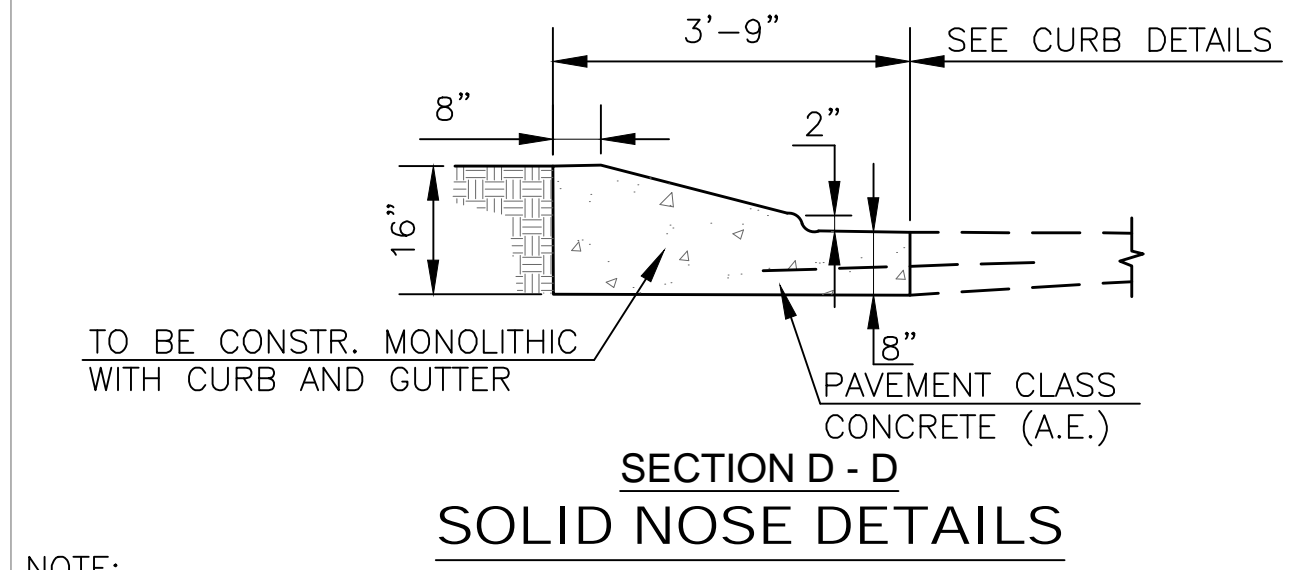
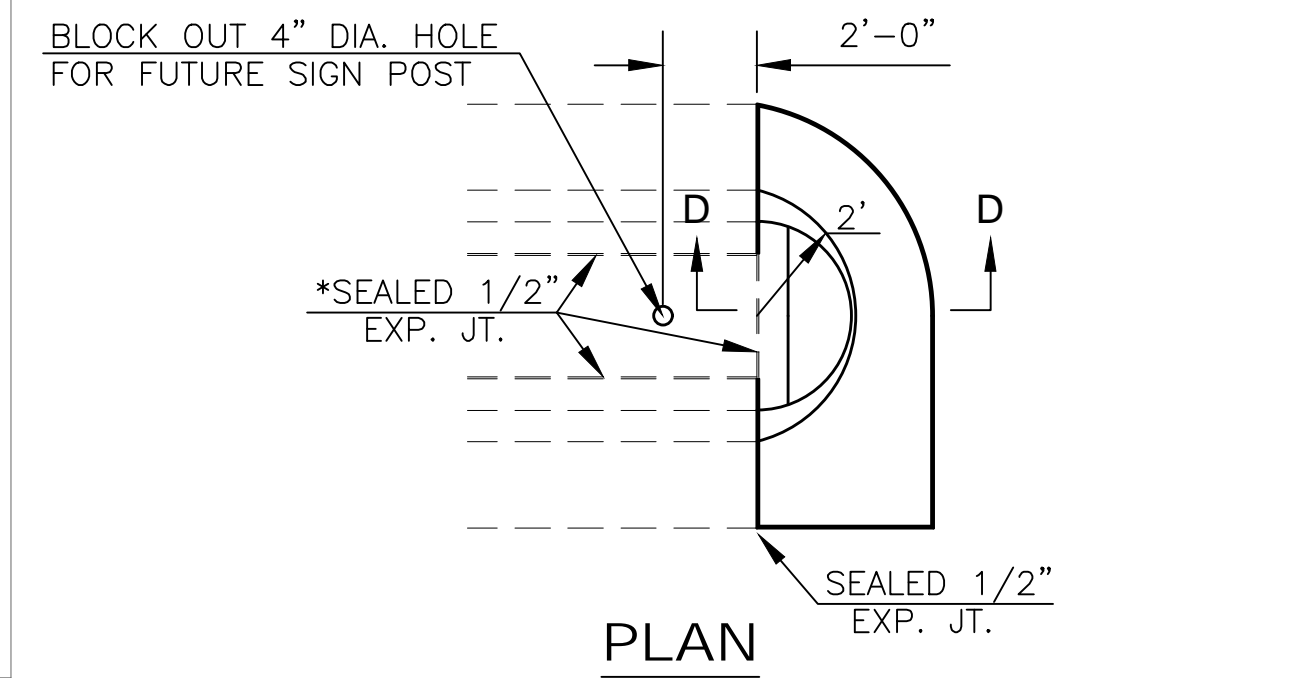


**6" INTEGRAL CURB**



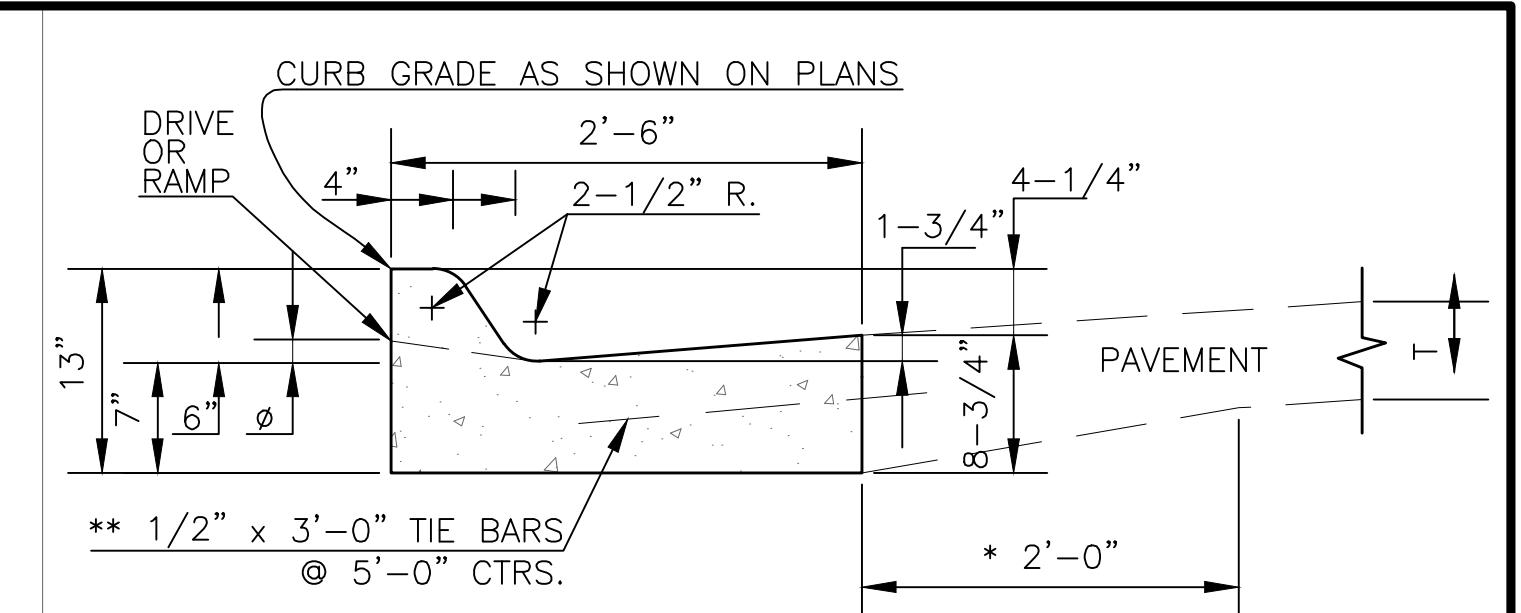
NOTE:  
CURB AND GUTTER ABUTTING EXISTING ASPHALT

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

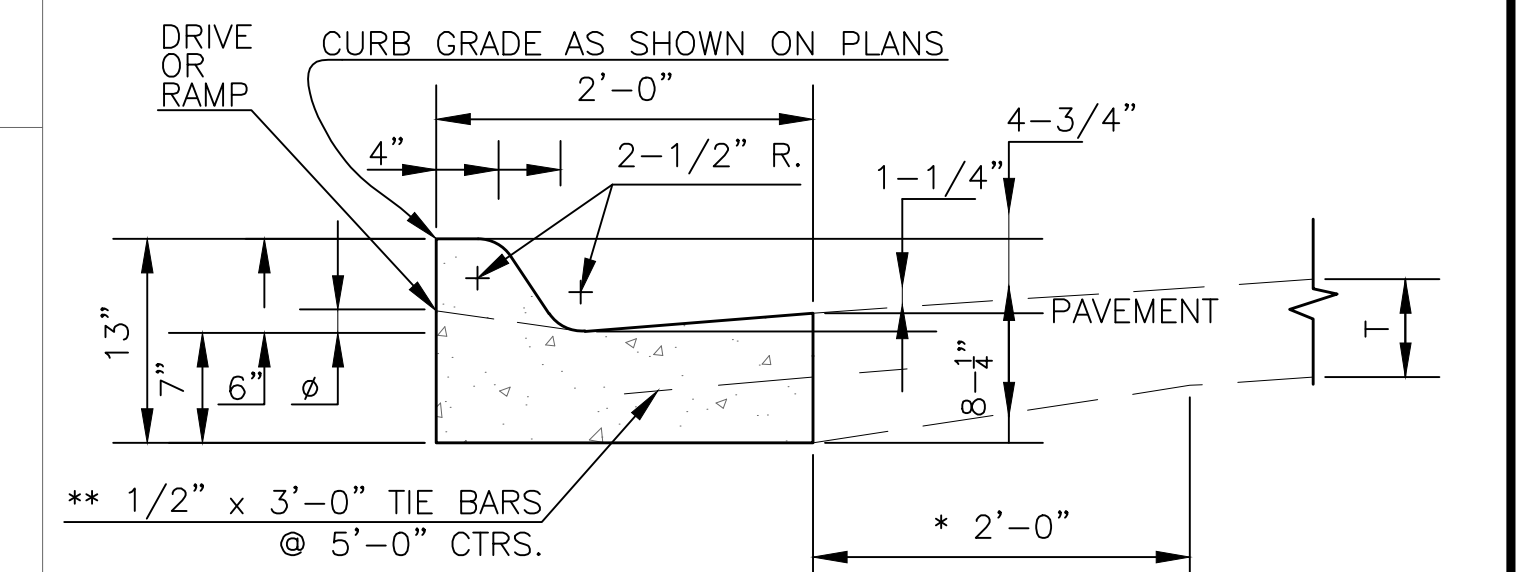


NOTE:  
PAVEMENT CLASS CONCRETE (AE) NEEDED TO COMPLETE THE MEDIAN NOSE SHALL BE SUBSIDIARY TO THE BID ITEM FOR COMBINED CURB AND GUTTER TYPE III.

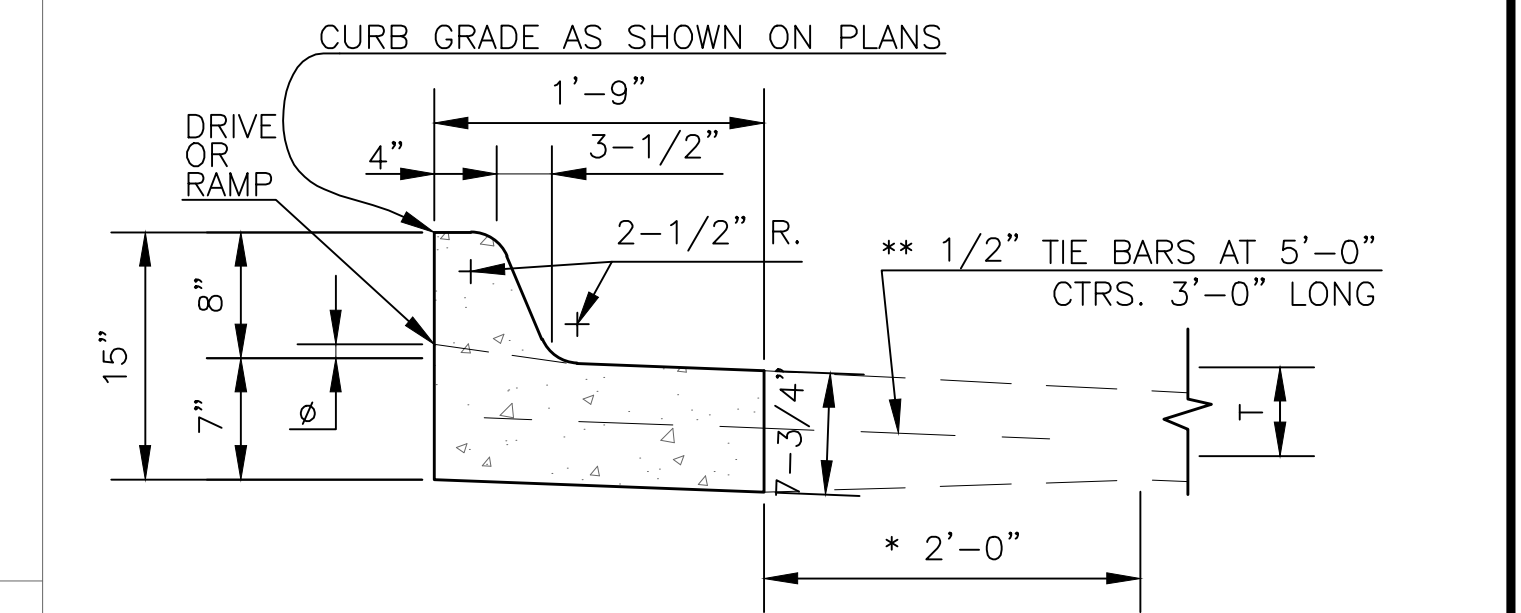
\* OMIT SEALED 1/2" EXPANSION JOINT WHEN SURFACE MATERIAL USED IN MEDIAN IS OTHER THAN CONCRETE.



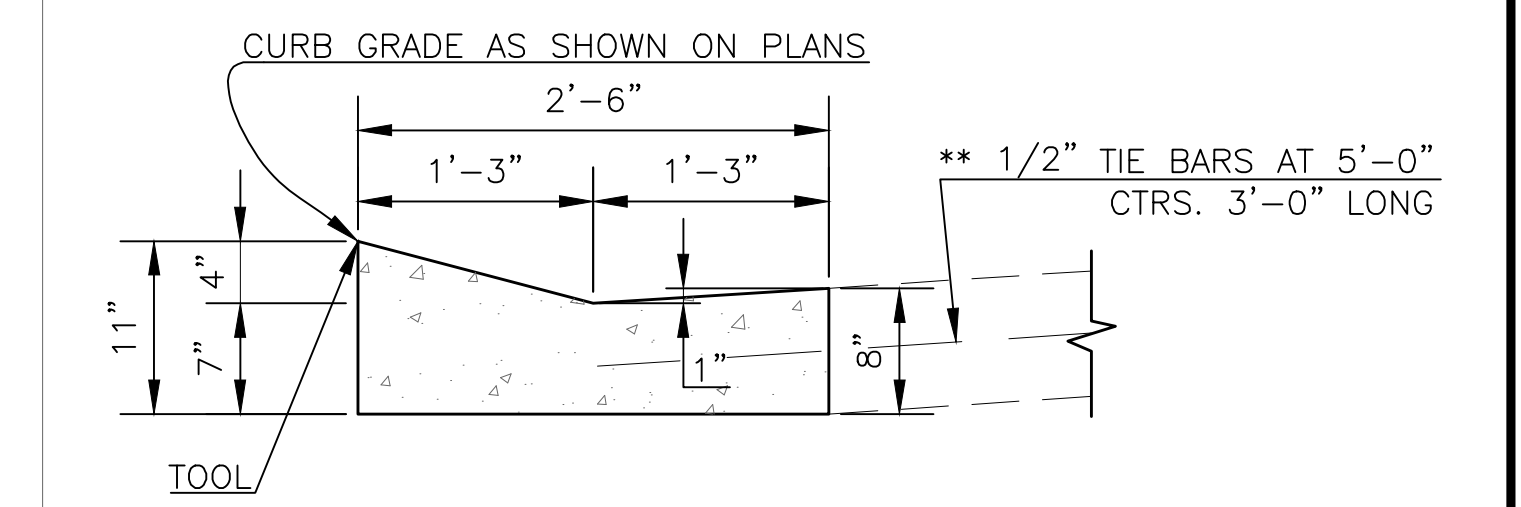
**COMBINED CURB & GUTTER-TYPE I**



**COMBINED CURB & GUTTER-TYPE II**



**COMBINED CURB & GUTTER-TYPE III**



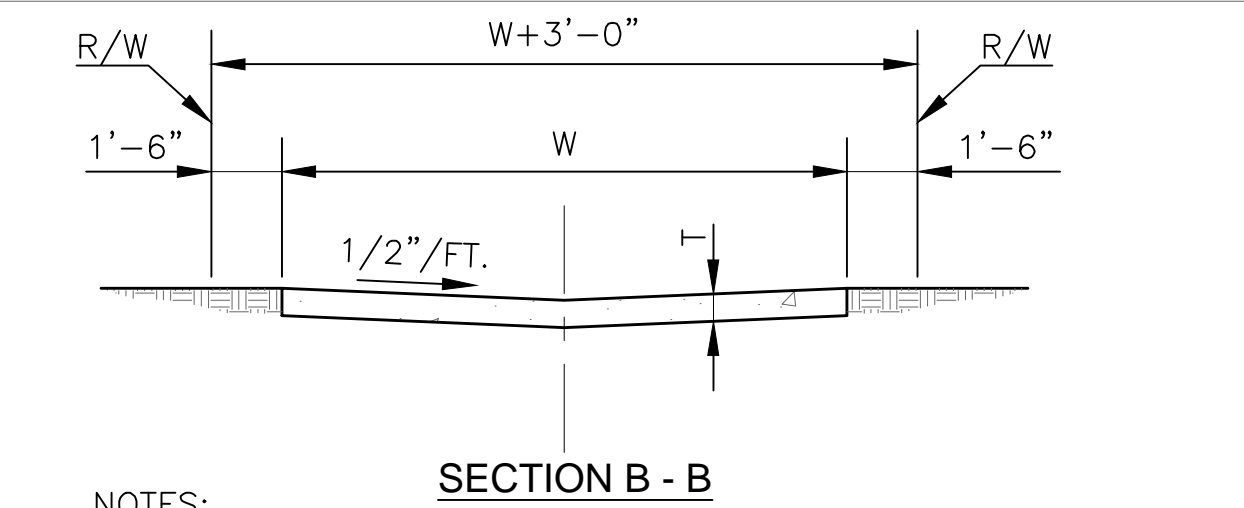
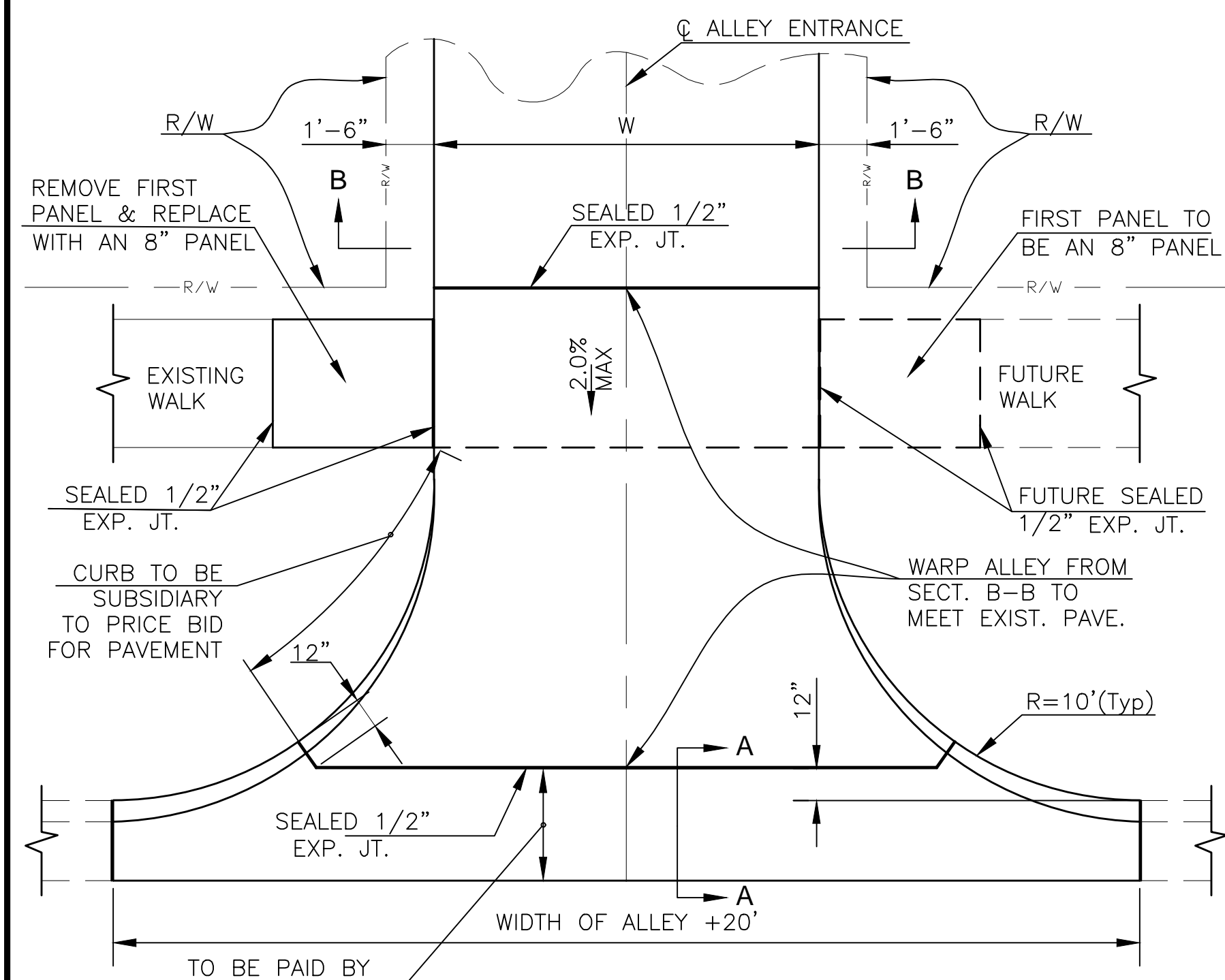
**LAYBACK CURB & GUTTER-TYPE IV**

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

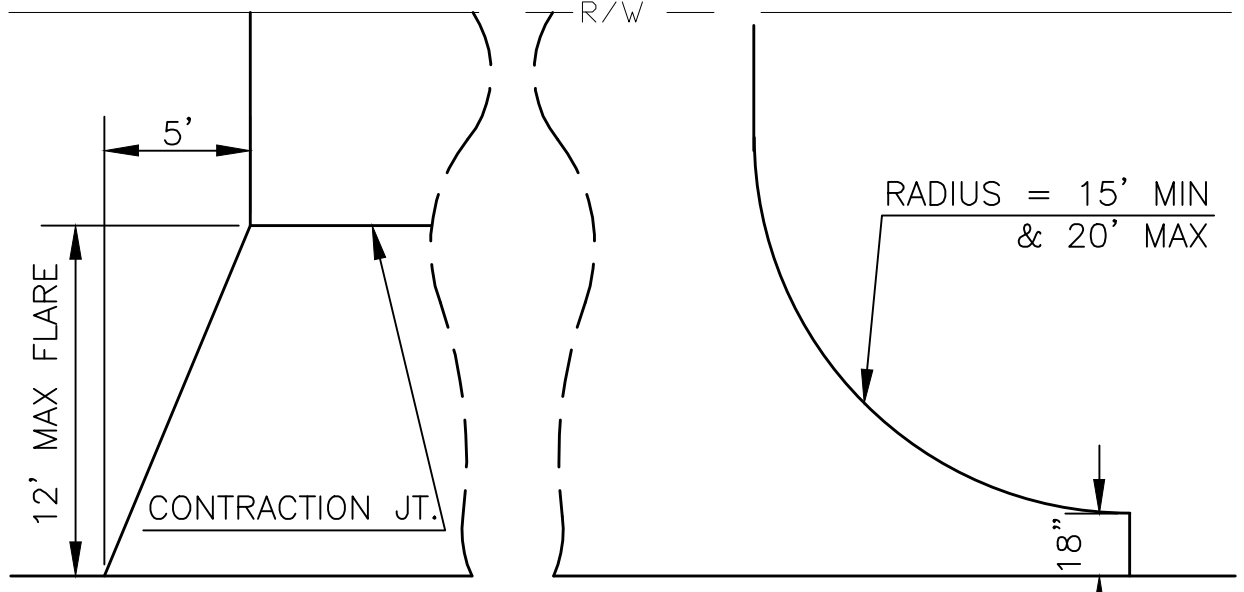
\* THE CONTRACTOR HAS THE OPTION OF MAINTAINING OR TRANSITIONING AS SHOWN AT NO ADDITIONAL COST.

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

Ø 1-1/2" FOR DRIVE ENTRANCES AND 3/4" FOR SIDEWALK RAMP



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.  
5. PREFERRED TO NOT HAVE A LONGITUDINAL JOINT.



6	Dec. 2025	Added driveway flare/property line note	JAH	MS
5	March 2013	C&G payment @ alley appr. & bars to	DHS	SB
4	Dec. 2012	Changed to tie bar from rebar	DHS	SB
3	March 2010	Eliminated keyed jt. at Com. Drive Appr.	DHS	SB
2	Dec. 2009	Added Dr. Appr. on Unimpr. Rdwy., added	DHS	SB
1	Feb. 2008	Mod. Com. Dr. & Alley Appr.	DHS	SB
NO.	DATE:	REVISION	BY:	APP'D

DRAWN BY: *rm/mc*

APP'D BY: *R. Anthony Kemp*

SHAWNEE COUNTY, KANSAS  
PUBLIC WORKS DEPARTMENT

1515 NW SALINE  
TOPEKA, KS 66618  
(785) 233-7702

**TOPEKA**  
Public Works  
ENGINEERING

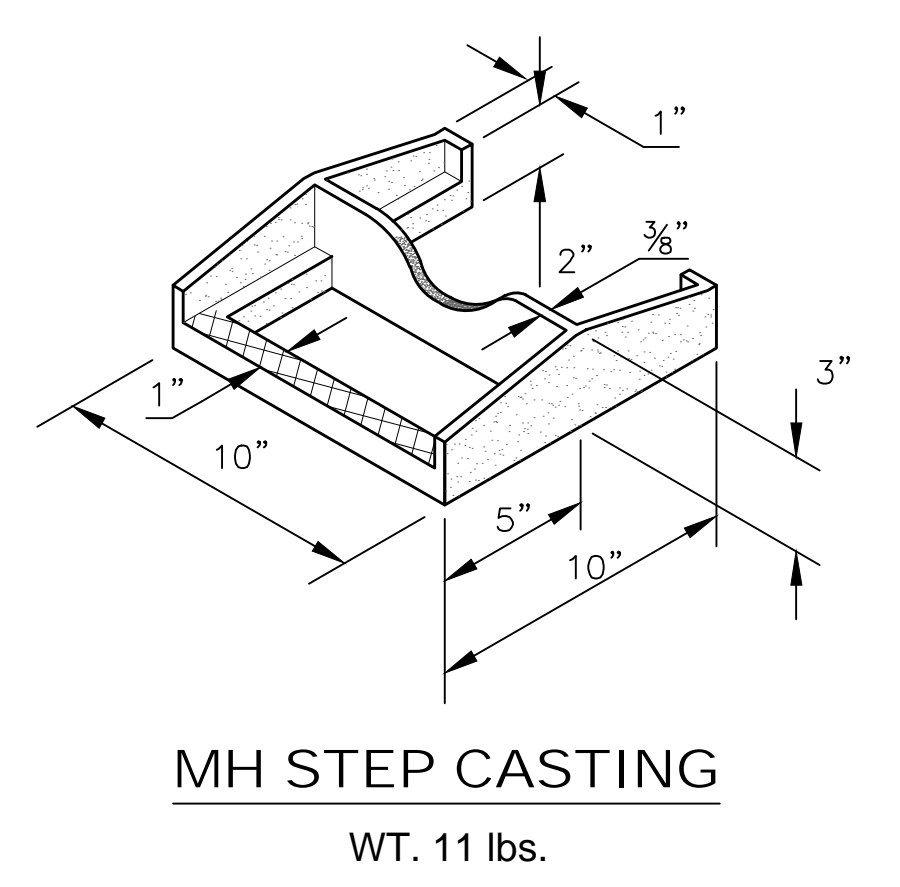
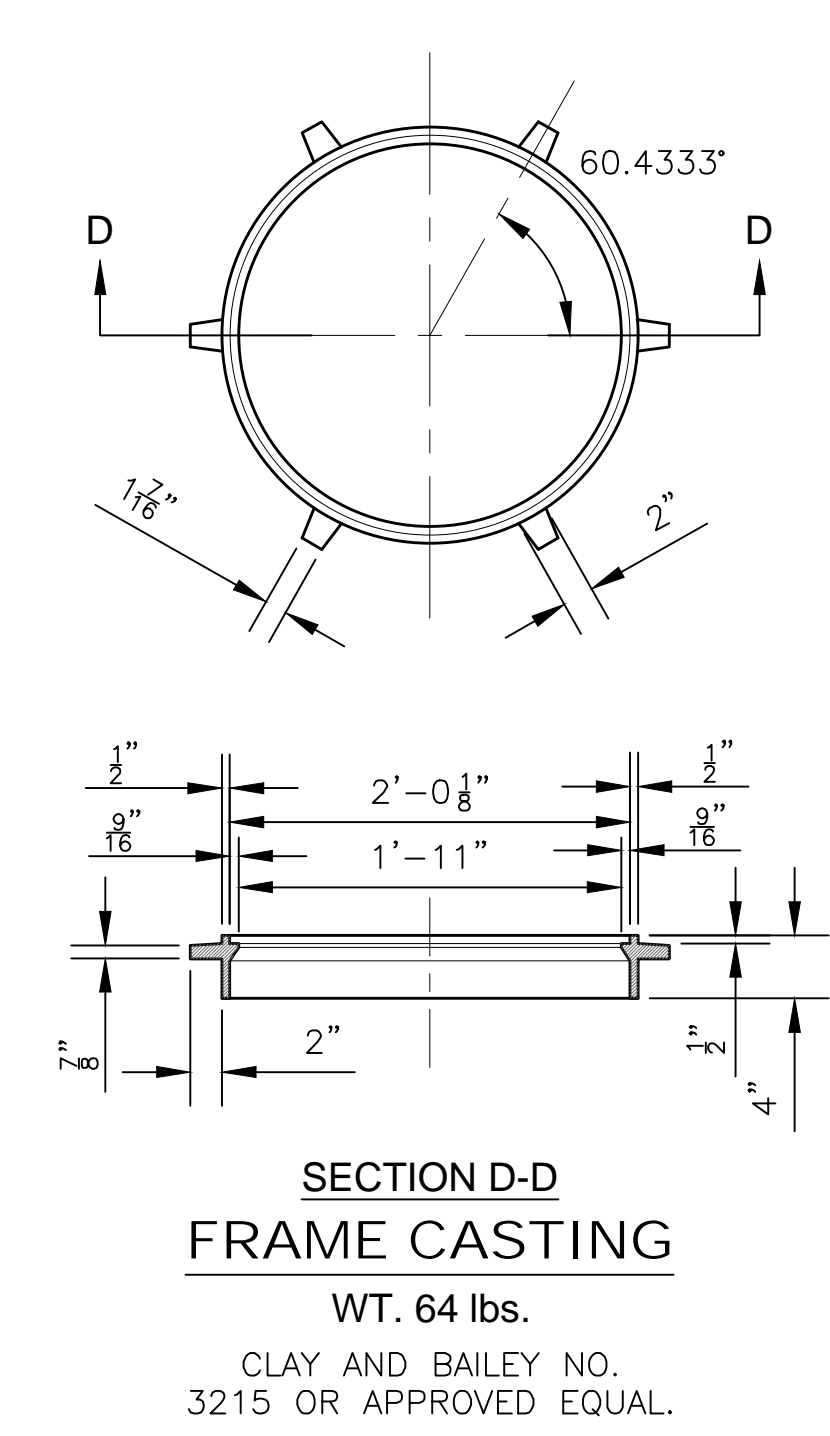
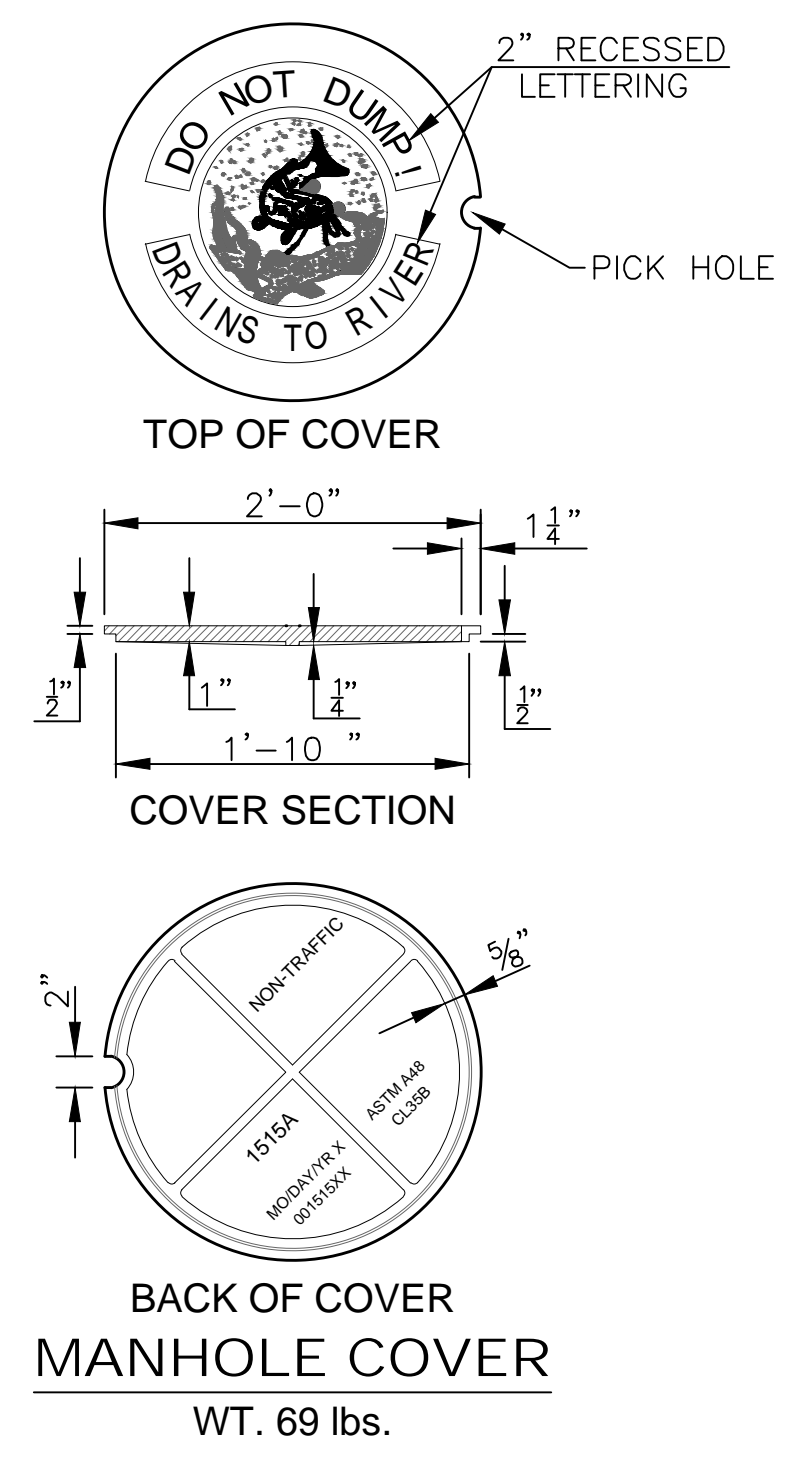
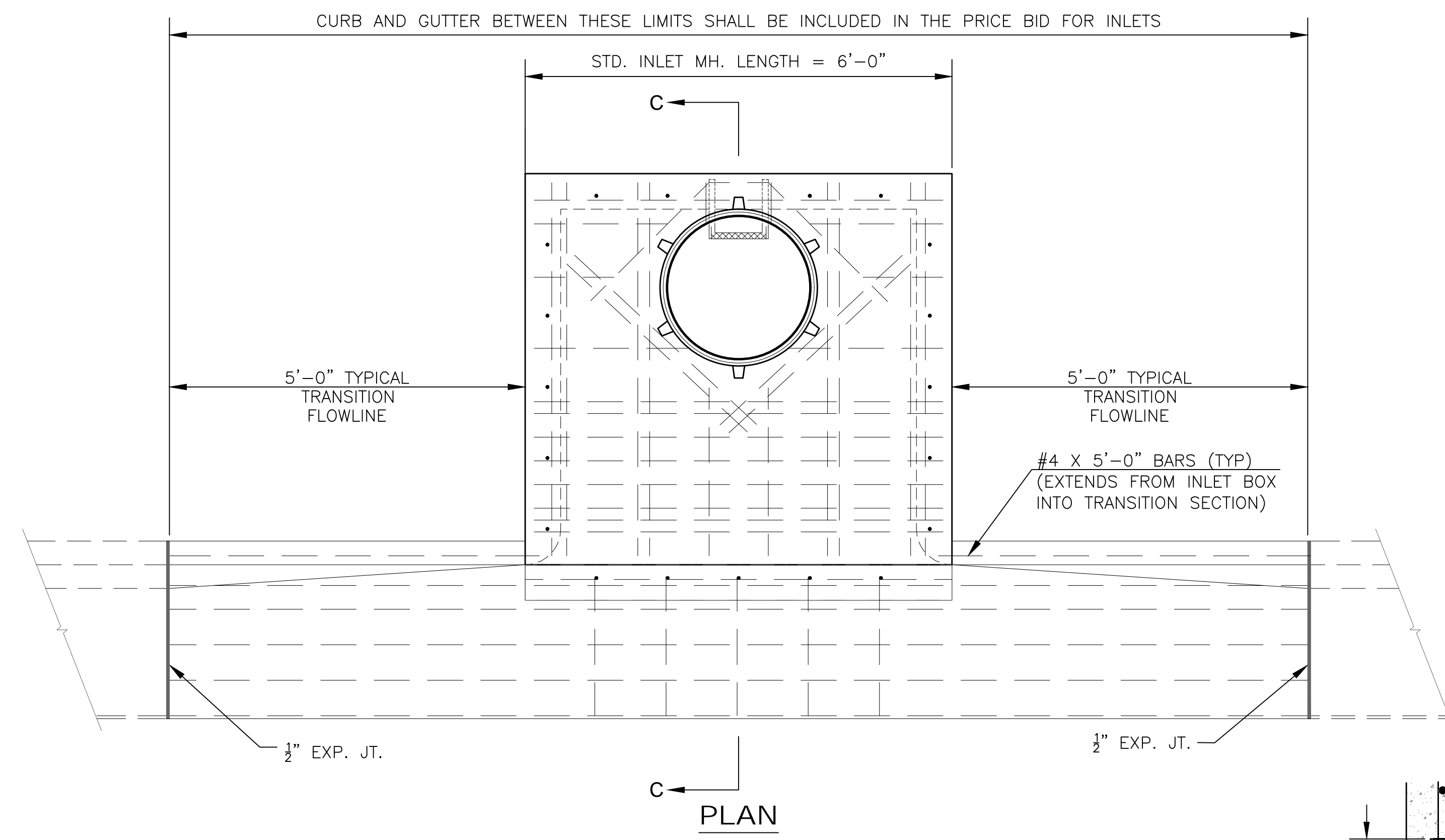
620 SE MADISON St - 2nd Floor - TOPEKA, KS 66607  
Phone: (785) 368-3842 - Fax: (785) 368-3881

STANDARD DETAILS

CURB & GUTTER AND APPROACH DETAILS (DT-003)

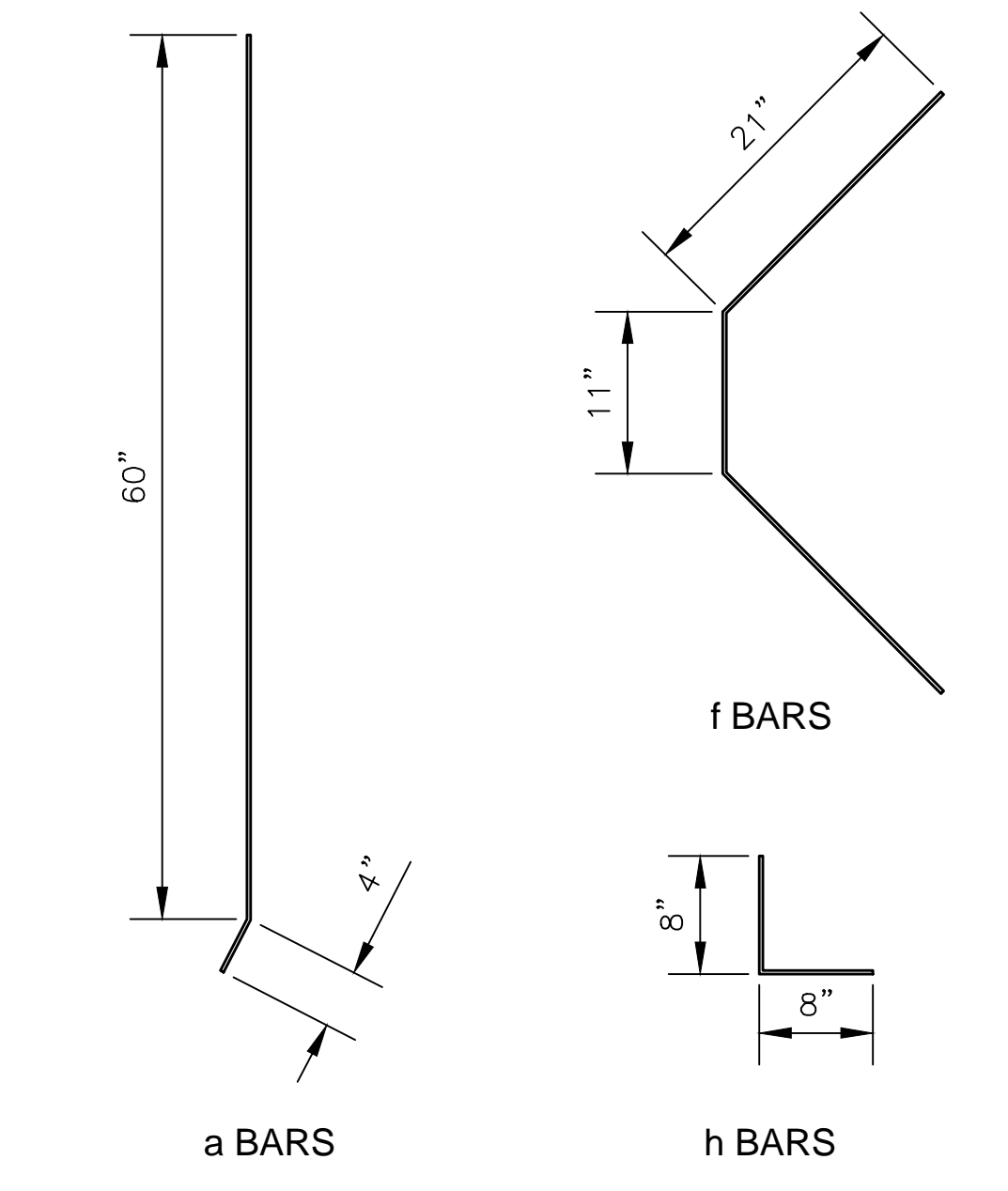
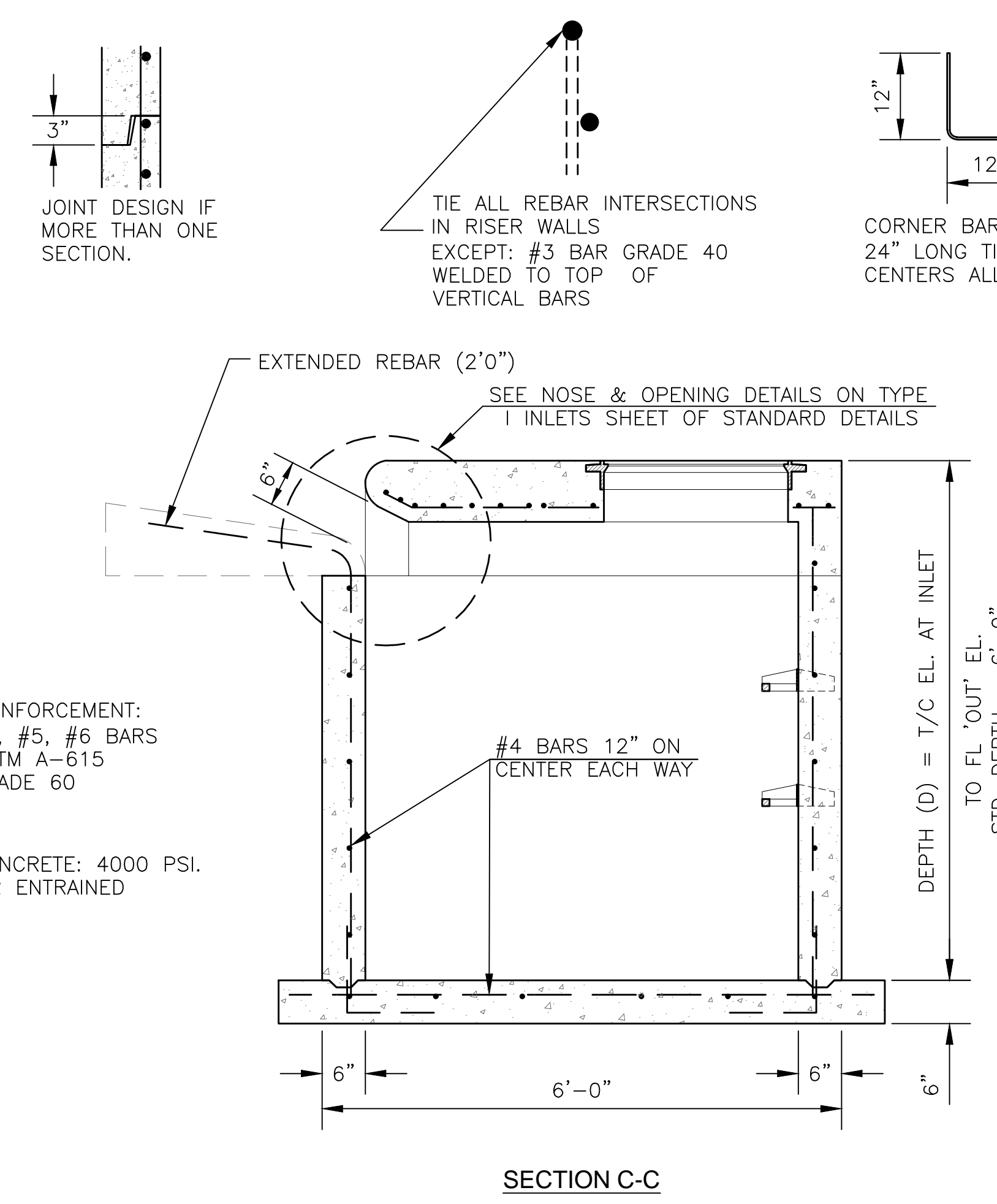
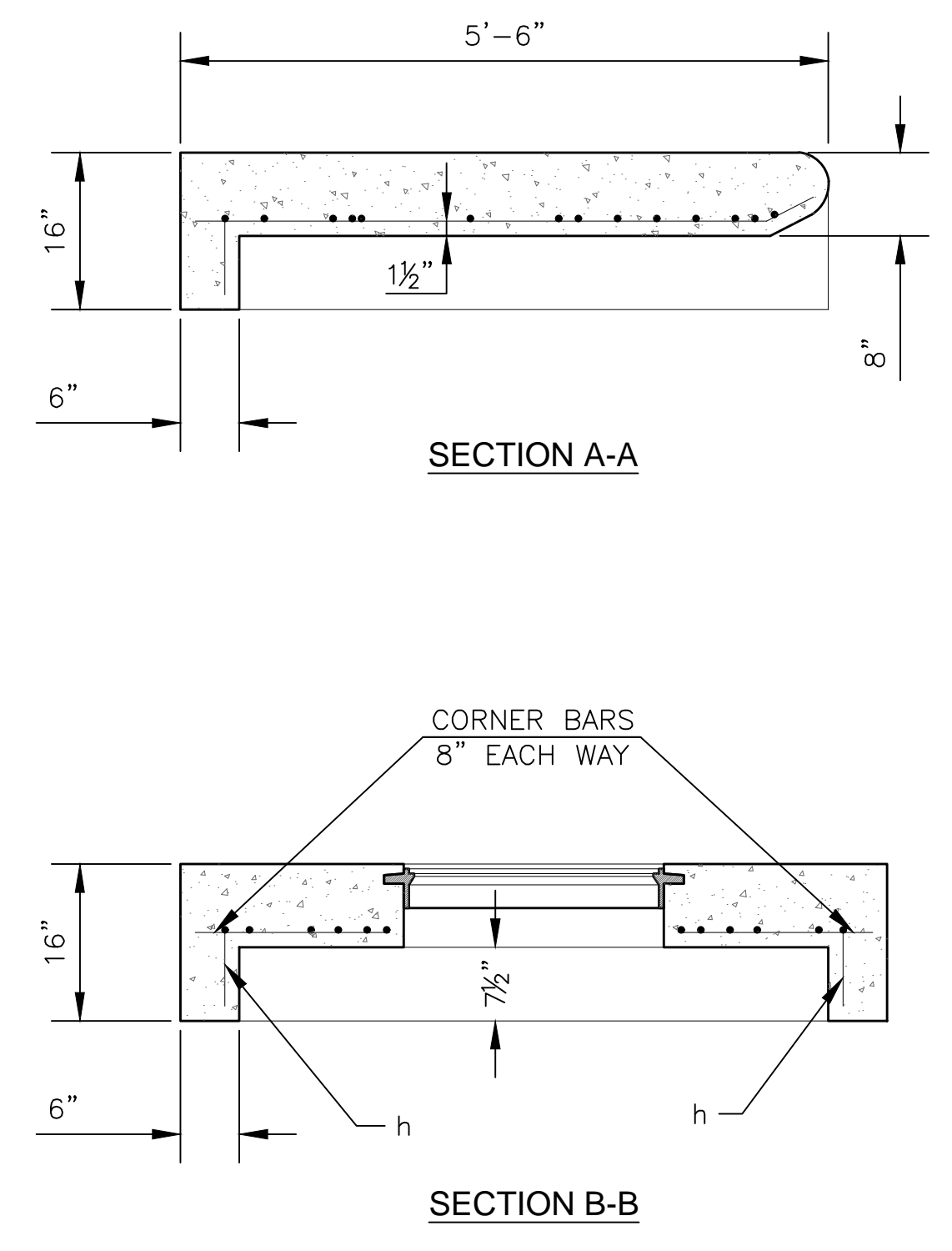
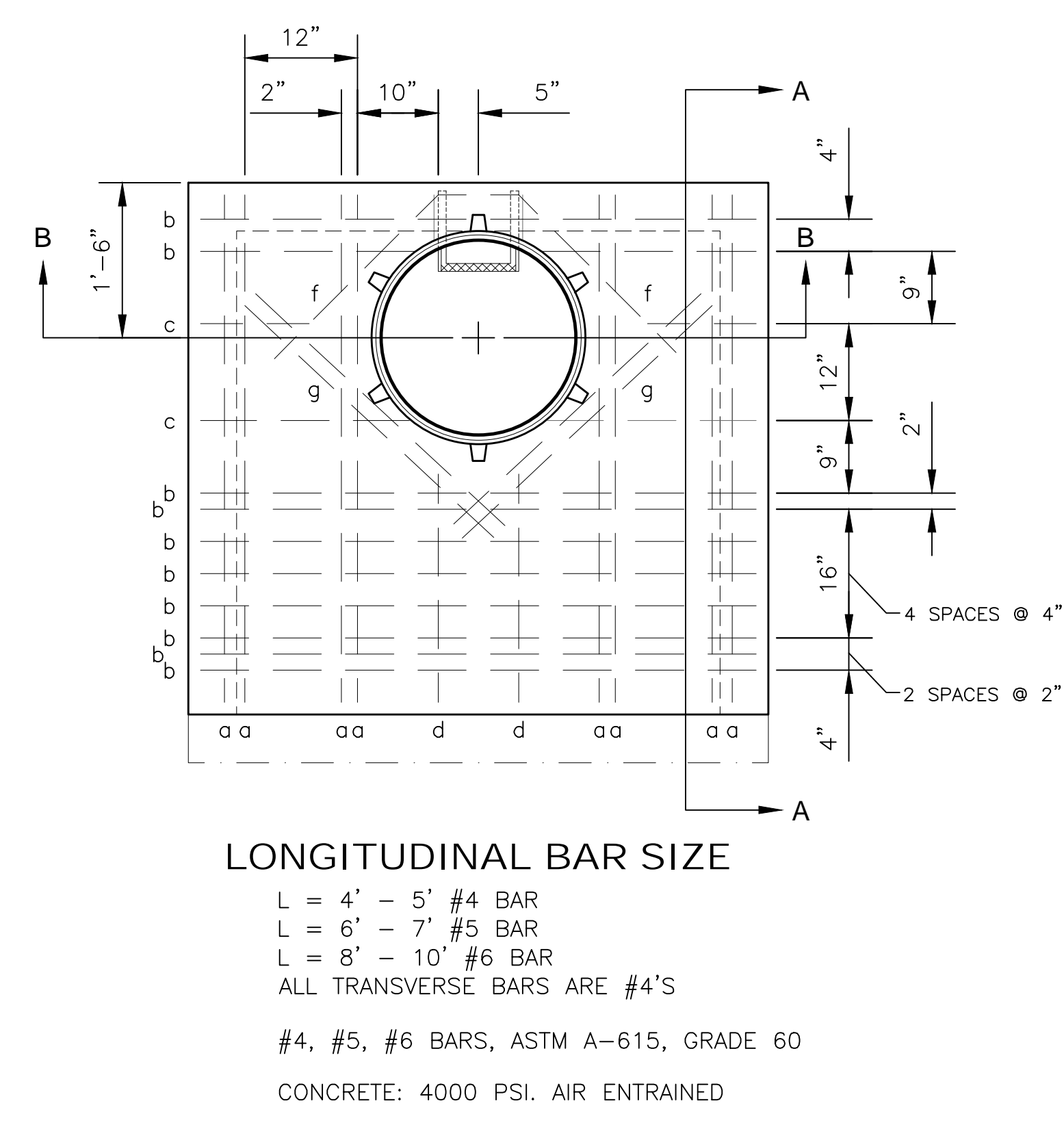
DATE: 2026  
SHEET: 9 of 18  
841099.04  
PROJ.: 501125.04





CLOW-NATIONAL NO. F-3650 CLAY AND BAILEY NO. 2113 NEENAH R-1980-E OR EQUAL

COPOLYMER POLYPROPYLENE PLASTIC STEP, PS1-PF or PS2-PF, MANUFACTURED BY M.A. IND. INC. OR APPROVED EQUAL MAY BE USED AS AN ALTERNATE TO DETAILED CASTING. THIS STEP MAY BE CAST IN PLACE OR INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDED INSTALLATION PROCEDURE.



- NOTES:
- STEPS SHALL BE INSTALLED IN ALL INLETS OVER 4' DEEP AND LOCATED UNDER MANHOLE RING AND COVER.
  - SUPPLIERS SHALL GRIND ALL BURRS SMOOTH ON CASTINGS.
  - THE INLET TOP SHALL SIT SQUARELY ON TOP OF THE INLET BOTTOM SECTION. THE INLET WALLS SHALL NOT BE OFFSET MORE THAN ONE INCH BETWEEN TOP AND BOTTOM SECTIONS.
  - MAXIMUM PIPE INTRUSION INTO STRUCTURE IS 6". UNIQUE STRUCTURES MIGHT REQUIRE ADDITIONAL ANALYSIS. ENGINEER APPROVAL REQUIRED.

NO.	DATE:	REVISION	BY:	APP'D
4	June 2018	Added maximum pipe intrusion note	DHS	JVH
3	March 2013	Changed Inlet top thickness to 8"	DHS	SB
2	Dec. 2009	Added #4 bar to PLAN & 3. to NOTES	DHS	SB
1	Feb. 2008	Mod. MH Cover	DHS	SB

DRAWN BY: *rm/mc*

APP'D BY: *R. Anthony Kemp*

SHAWNEE COUNTY, KANSAS  
PUBLIC WORKS DEPARTMENT

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TOPEKA  
Public Works  
ENGINEERING

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Phone: (785) 368-3842 Fax: (785) 368-3881

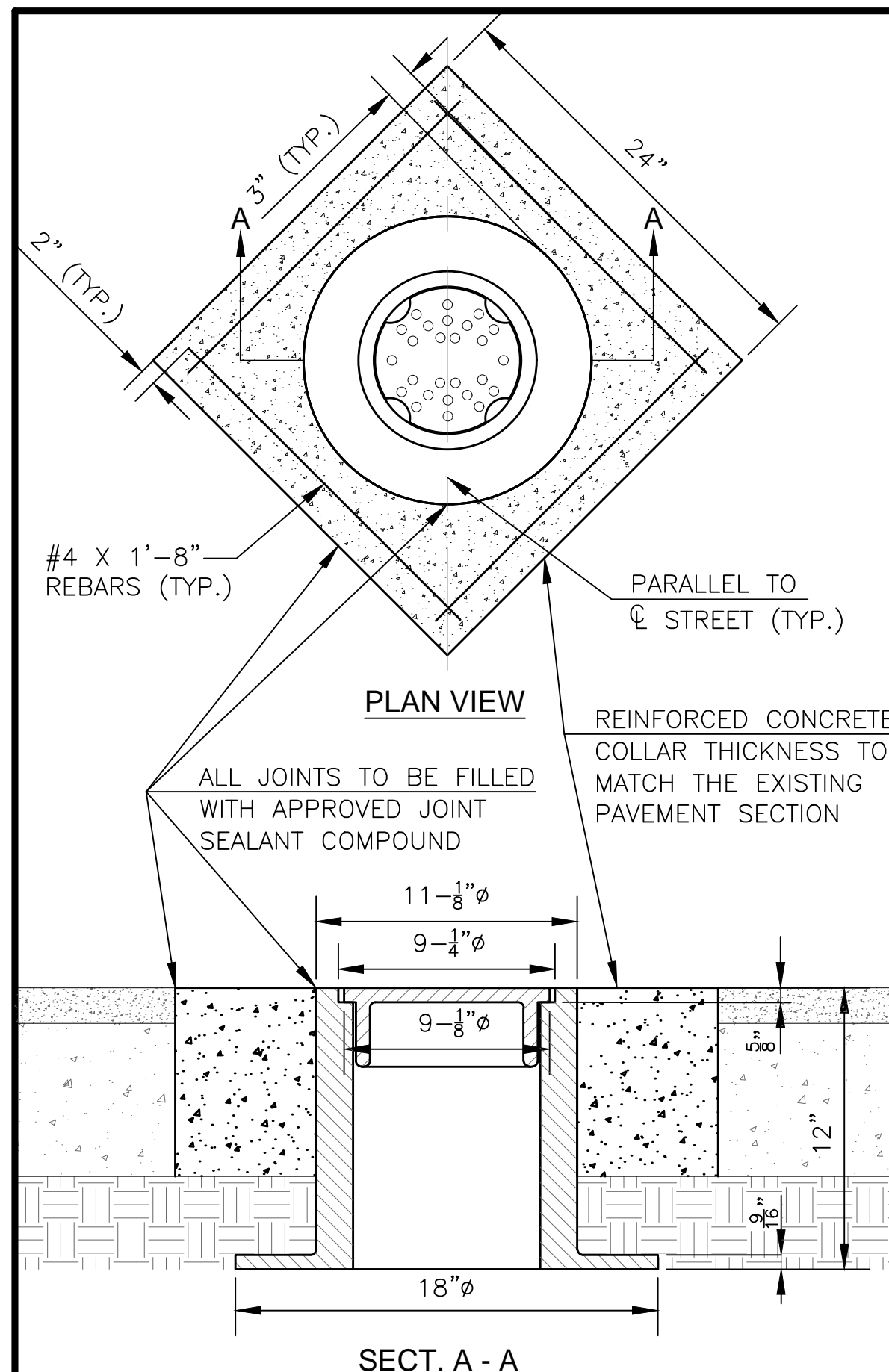
STANDARD DETAILS

TYPE I-P INLETS  
(PRECAST)  
(DT-010)

DATE: 2026

SHEET: 11 of 18

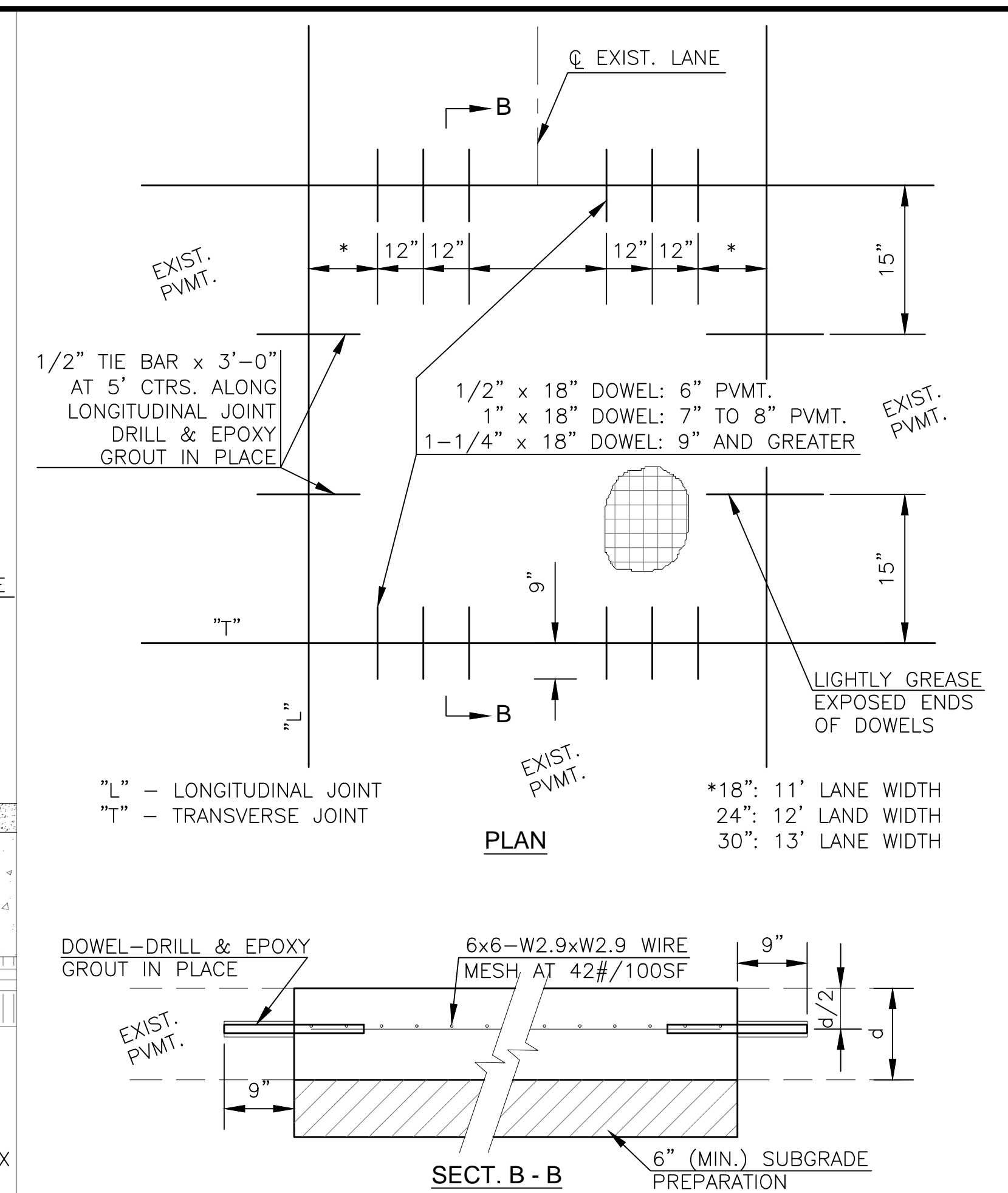
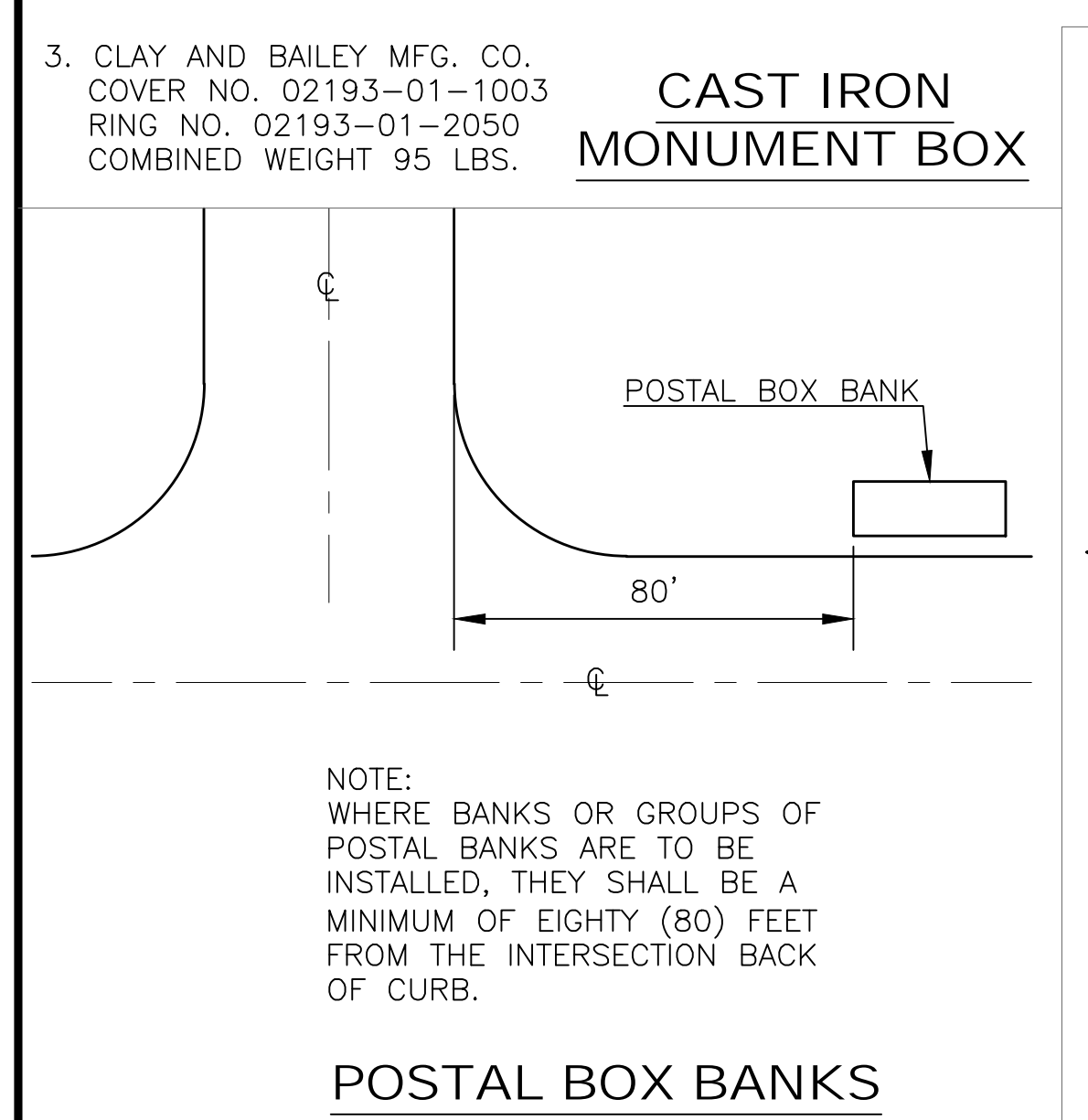
841099.04  
PROJ.: 501124.04



**PLAN VIEW**  
 #4 X 1'-8" REBARS (TYP.)  
 PARALLEL TO C STREET (TYP.)  
 ALL JOINTS TO BE FILLED WITH APPROVED JOINT SEALANT COMPOUND  
 REINFORCED CONCRETE COLLAR THICKNESS TO MATCH THE EXISTING PAVEMENT SECTION

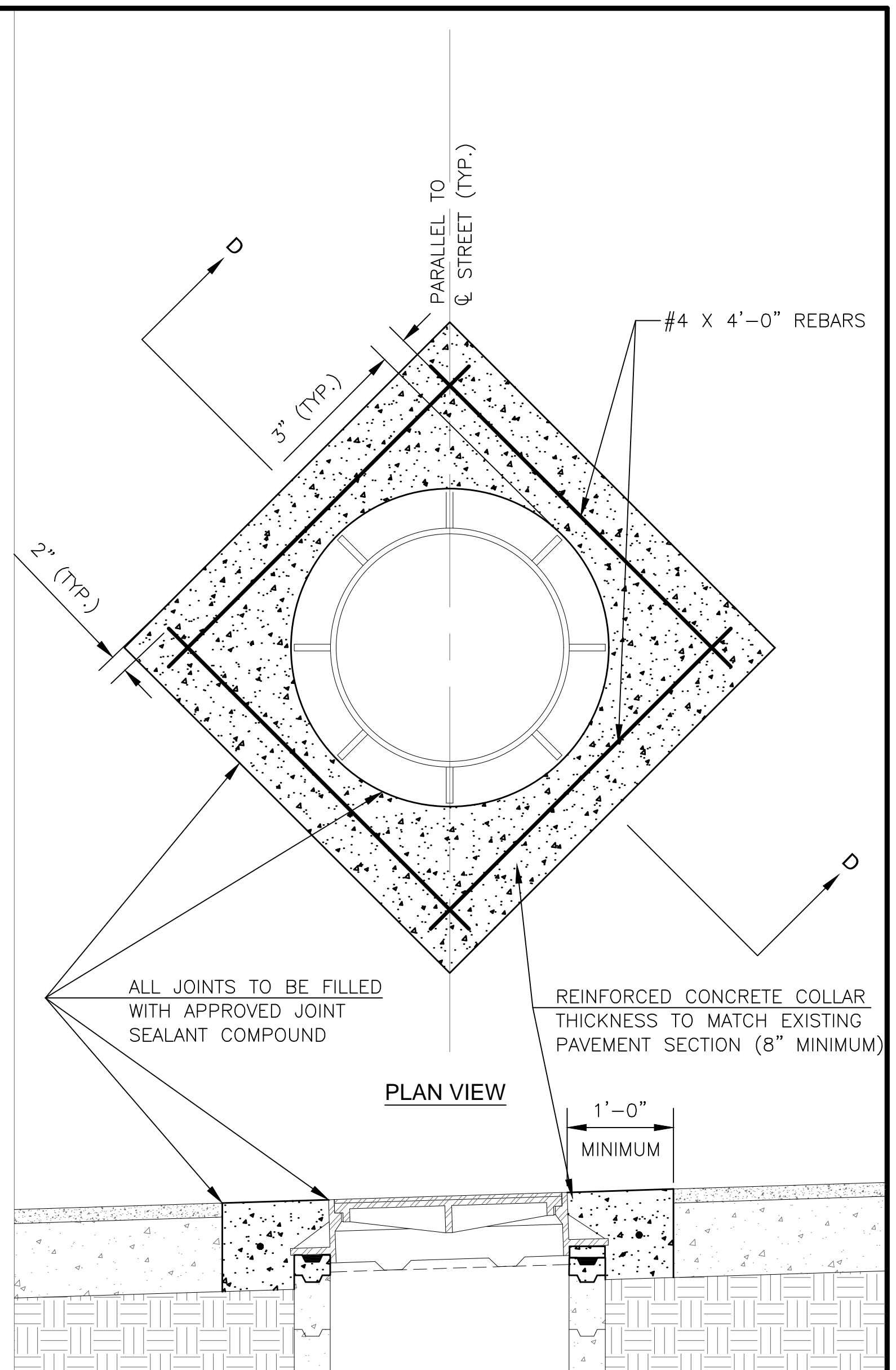
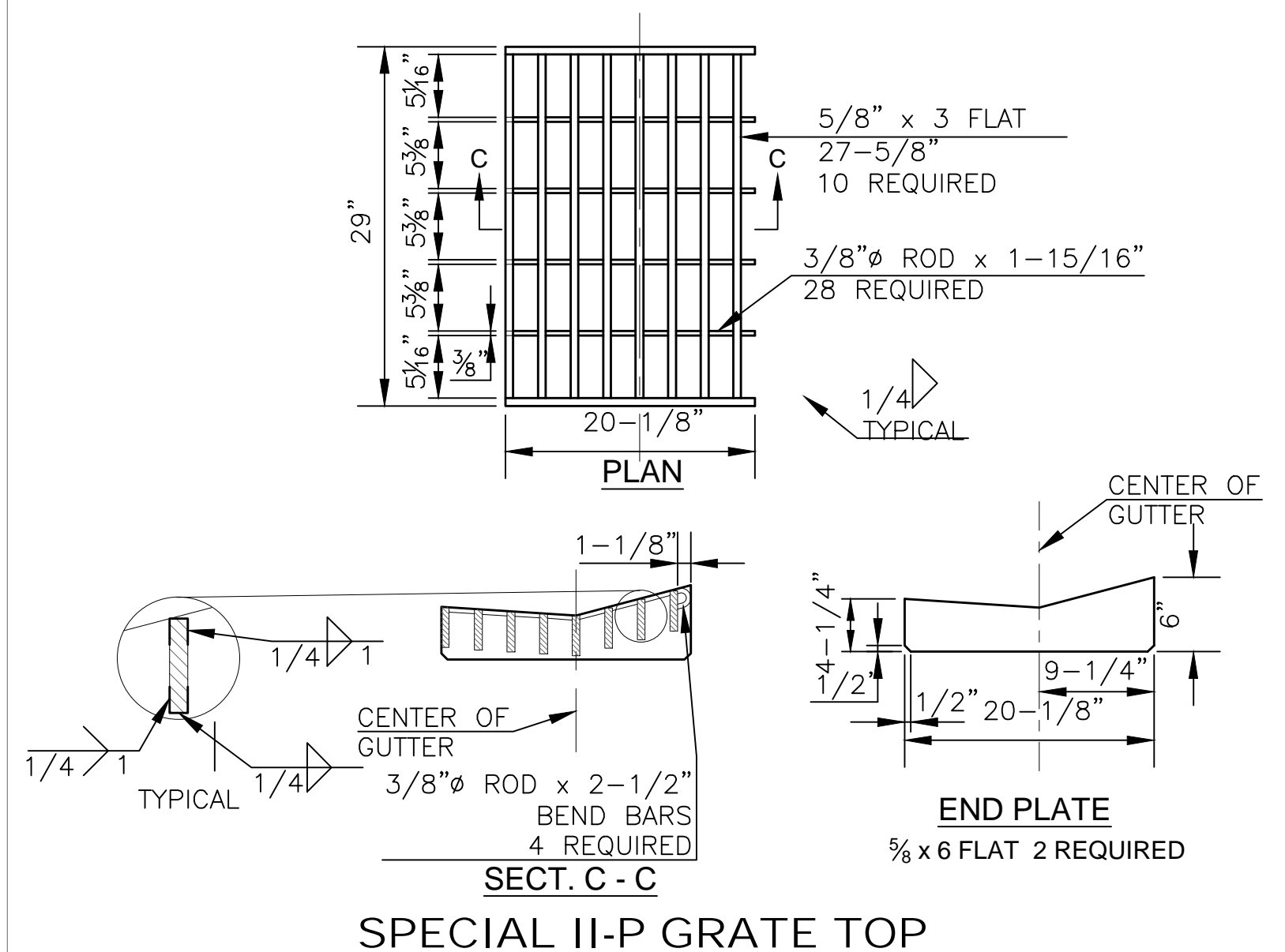
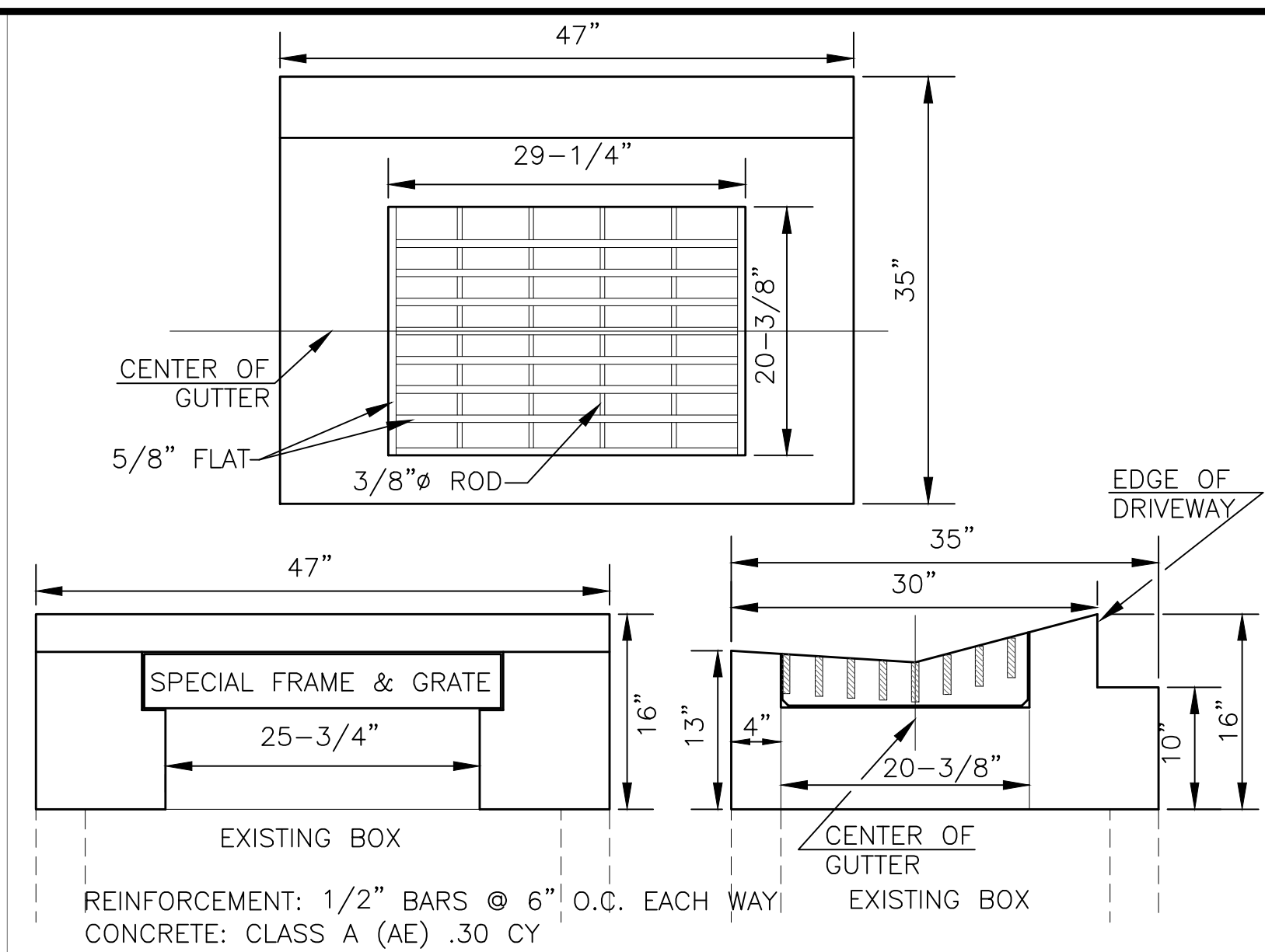
**SECT. A - A**  
 12"  
 18"Ø  
 9-3/4"Ø  
 11-1/8"Ø

**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. ALTERNATE INSTALLATION: 24" DIAMETER CORE DRILL CENTERED AROUND THE MONUMENT WITH #4 REBAR HOOPS MAINTAINING A 3" CLEARANCE FROM MONUMENT AND EDGE OF CONCRETE COLLAR.  
 3. CLAY AND BAILEY MFG. CO. COVER NO. 02193-01-1003 RING NO. 02193-01-2050 COMBINED WEIGHT 95 LBS.



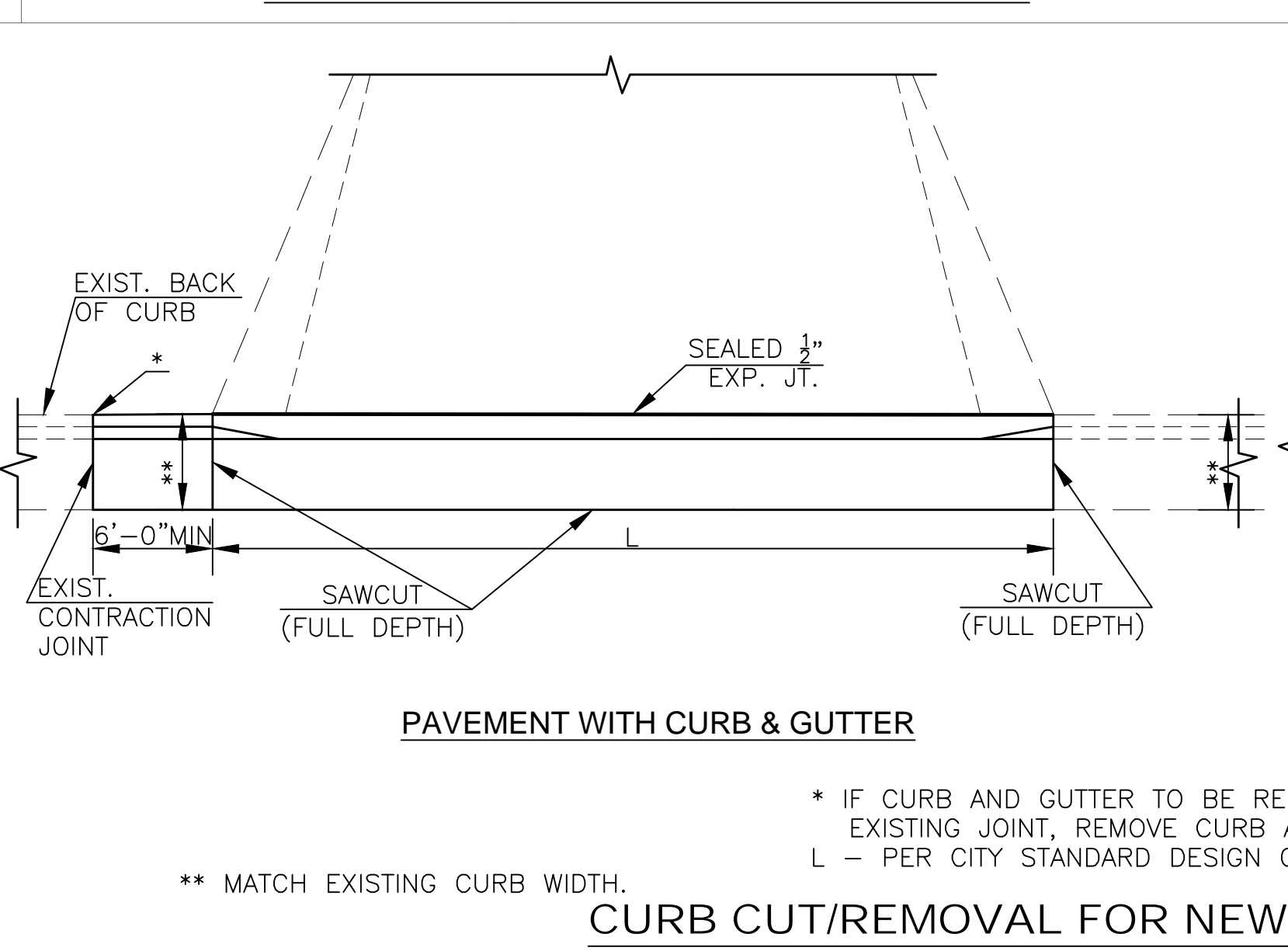
**NOTES:**  
 1. ALL MATERIAL AND METHODS SHALL BE IN ACCORDANCE WITH CITY OF TOPEKA STANDARD TECHNICAL SPECIFICATIONS, LATEST EDITION.  
 2. DOWEL HOLE SIZE = O.D. OF DOWEL + 1/8".  
 3. EPOXY GROUTING PER SEC. 830, KDOT STANDARD SPECIFICATIONS FOR STATE ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.

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



**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".

**MANHOLE ADJUSTMENT**



NO.	DATE:	REVISION	BY:	APP'D
8	Oct. 2020	Updated cast iron monument box	JOT	BDF
7	Oct. 2017	Updated cast iron monument box	DHS	JPS
6	March 2013	Added grease to dowels & bar size to "	DHS	SB
5	Jan. 2013	Added Manhole Adjustment detail	DHS	SB
4	Jan. 2013	Removed Brick S/W & Stone Curb details	DHS	SB
3	Dec. 2012	Changed to tie bar from dowel	DHS	SB
2	Dec. 2009	Dowel size & # pvmt range and curb det	DHS	SB
NO.	DATE:	REVISION	BY:	APP'D

DRAWN BY: *it/rm*  
 APP'D BY: \_\_\_\_\_

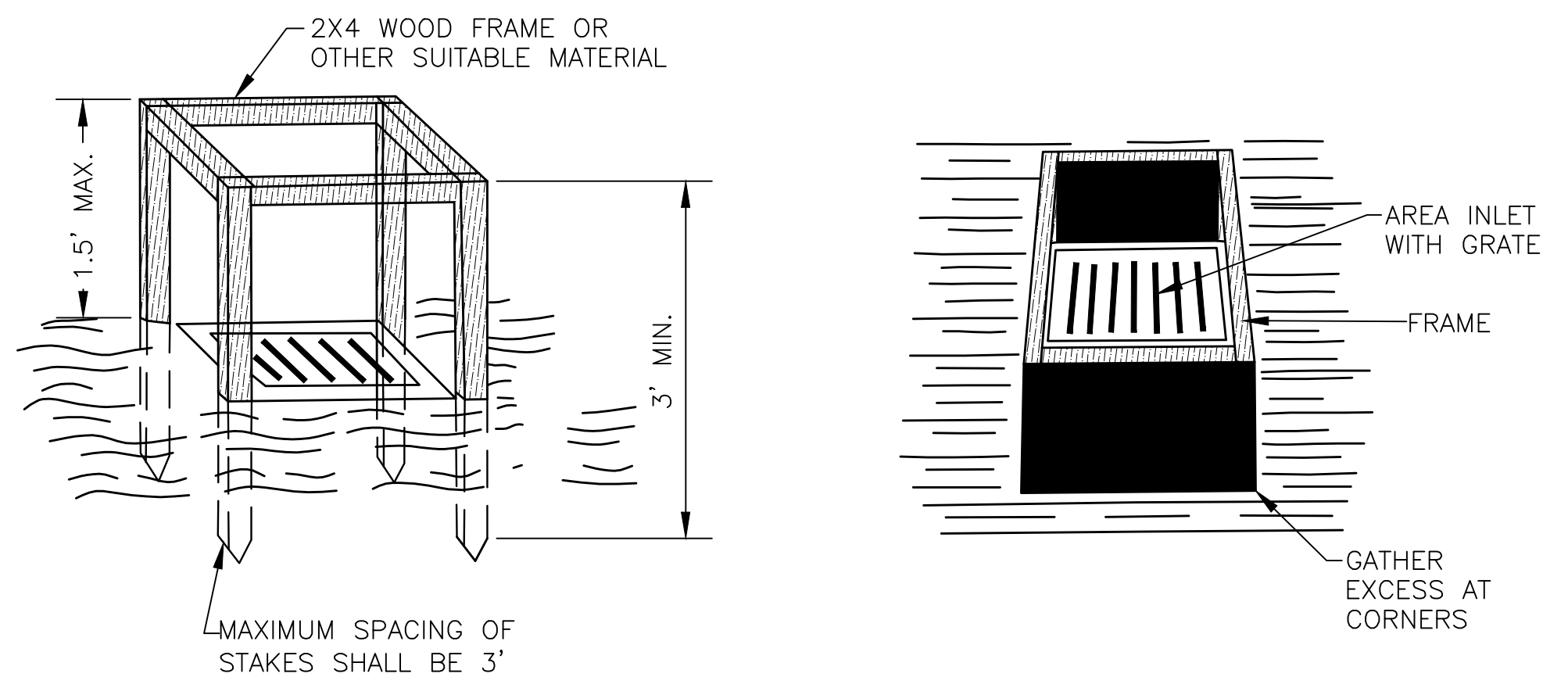
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 TOPEKA, KS 66618  
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**TOPEKA**  
 Public Works  
 ENGINEERING  
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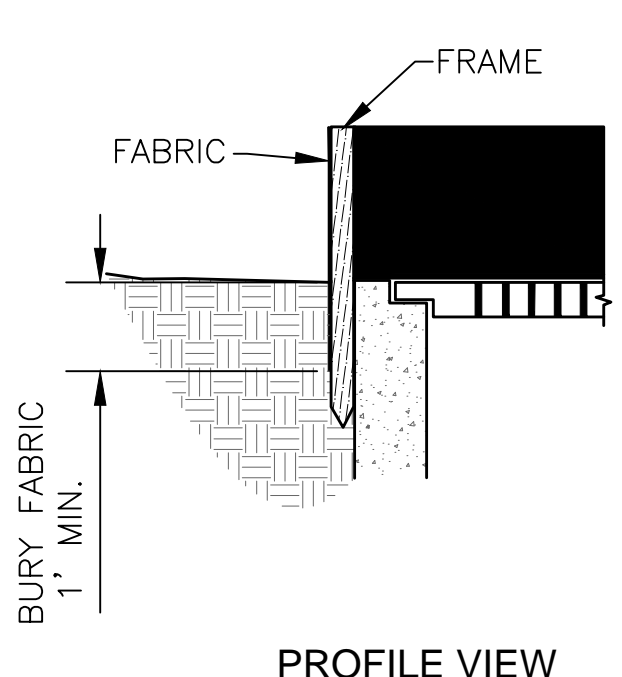
STANDARD DETAILS

MISCELLANEOUS  
 DETAILS I  
 (DT-017)

DATE: 2026  
 SHEET: 12 of 18  
 841099.04  
 PROJ.: 501125.04



TOP VIEWS



PROFILE VIEW

- NOTES:
1. BASE OF FABRIC SHALL BE BURIED AT LEAST 1' BELOW GROUND SURFACE AND BACKFILLED WITH CRUSHED STONE OR COMPACTED MATERIAL.
  2. WIRE MESH FENCE MAY BE USED TO SUPPORT FABRIC. TOP OF FENCE SHOULD BE LEVEL WITH FRAME AND BOTTOM BURIED 6" BELOW GROUND.
  3. MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON DOWN-SLOPE SIDE OF STRUCTURE TO PREVENT BYPASS FLOW.
  4. STRAW BALES OR GRAVEL FILLED FILTER BAGS MAY BE USED IN LIEU OF FABRIC. IF STRAW BALES ARE USED, TWO 4' (MINIMUM) LONG, 2' X 2' HARDWOOD STAKES SHALL BE DRIVEN THROUGH EACH BALE AND SET BACK 12" TO 24" FROM INLET. IF FILTER BAGS ARE USED, PLACE BAGS SUCH THAT NO GAPS ARE EVIDENT.

**AREA INLET PROTECTION**

- GENERAL NOTES:
1. ANY EROSION AND SEDIMENT CONTROL MEASURES INTENDED TO CONTROL EROSION OF AN EARTH DISTURBANCE OPERATION SHALL BE INSTALLED BEFORE ANY EARTH DISTURBANCE OPERATIONS TAKE PLACE.
  2. THE CONTRACTOR SHALL INSPECT THE LAND DISTURBANCE SITE AFTER EACH SIGNIFICANT RAINFALL EVENT WITHIN A 24-HOUR PERIOD AND ASSURE THAT ALL EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING CONDITION PRIOR TO ANY FORECASTED RAINFALL. SEDIMENT REMOVAL AND ALL NECESSARY REPAIRS SHALL BE MADE TO MAINTAIN THE INTEGRITY OF THE EROSION AND SEDIMENT CONTROL MEASURES. SEDIMENT SHALL BE REMOVED ONCE IT REACHES HALF OF THE INSTALLED HEIGHT OF MEASURE.
  3. THE CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING ALL PHASES OF CONSTRUCTION UNTIL OWNER ACCEPTS WORK AS COMPLETE. THE CONTRACTOR SHALL PROVIDE TEMPORARY SEEDING, BERMS, SILT FENCE, SEDIMENT TRAPS OR OTHER MEANS TO PREVENT SEDIMENT FROM REACHING STREAMS, PUBLIC RIGHT-OF-WAY OR ADJACENT PROPERTY.
  4. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED ONCE 70 PERCENT OF THE PERMANENT COVER IS ESTABLISHED.
  5. THE CONTRACTOR SHALL TEMPORARILY SEED AND MULCH ALL DISTURBED AREAS IF THERE HAS BEEN NO CONSTRUCTION ACTIVITY ON THEM FOR A PERIOD OF 14 CALENDAR DAYS. IF THE ENGINEER DETERMINES THAT A SITE HAS A POTENTIAL FOR EROSION, STABILIZATION OF SOIL MAY BE REQUIRED. TEMPORARY SEED MIXTURE SHALL BE APPROVED BY THE ENGINEER OR AS FOLLOWS:

TYPE:	APPLICATION RATE:	
	WINTER WHEAT	120 LBS PER ACRE
	RYEGRASS	75 LBS PER ACRE

REPAIRS AND RESEEDING SHALL BE PERFORMED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER. IF VEGETATIVE MEASURES ARE NOT EFFECTIVE, NON-VEGETATIVE OPTION MAY BE REQUIRED.

NO.	DATE:	REVISION	BY:	APP'D
2	May 2015	Added & Updated Notes	DHS	JDH
1	March 2013	Revised Notes	DHS	JDH

DRAWN BY: DHS  
APP'D BY: JDH



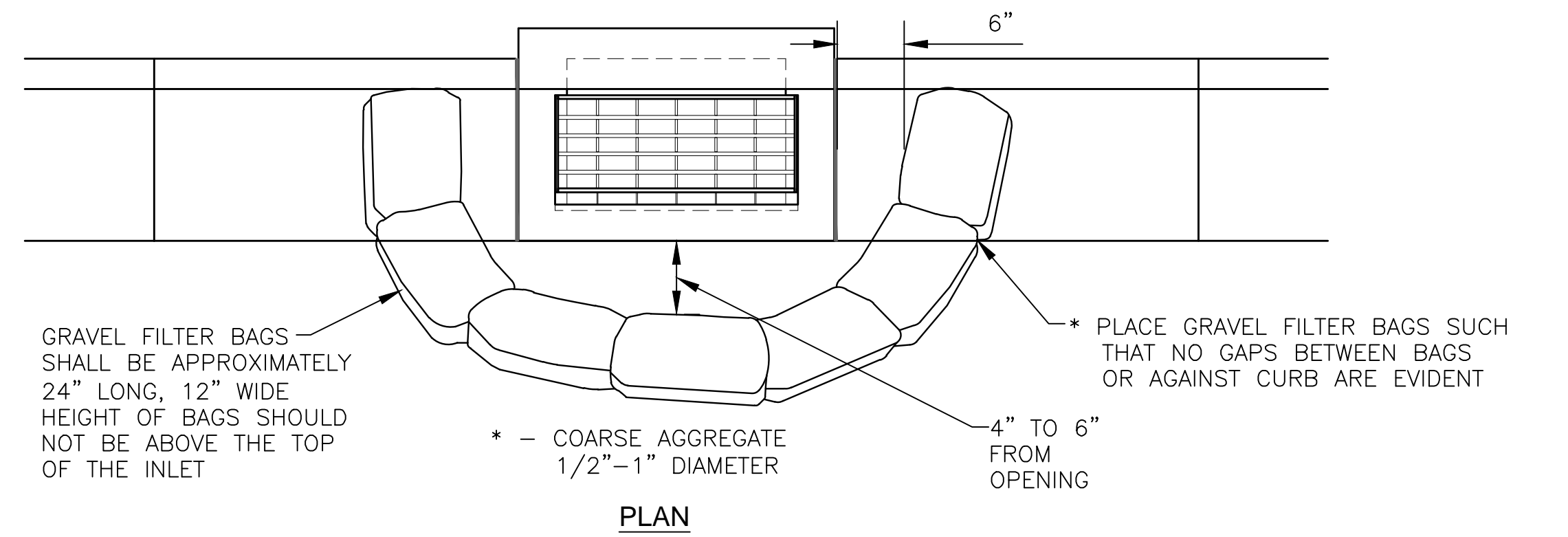
SHAWNEE COUNTY, KANSAS  
PUBLIC WORKS DEPARTMENT  
COUNTY ENGINEER  
1515 NW SALINE  
TOPEKA, KS 66618  
(785) 233-7702



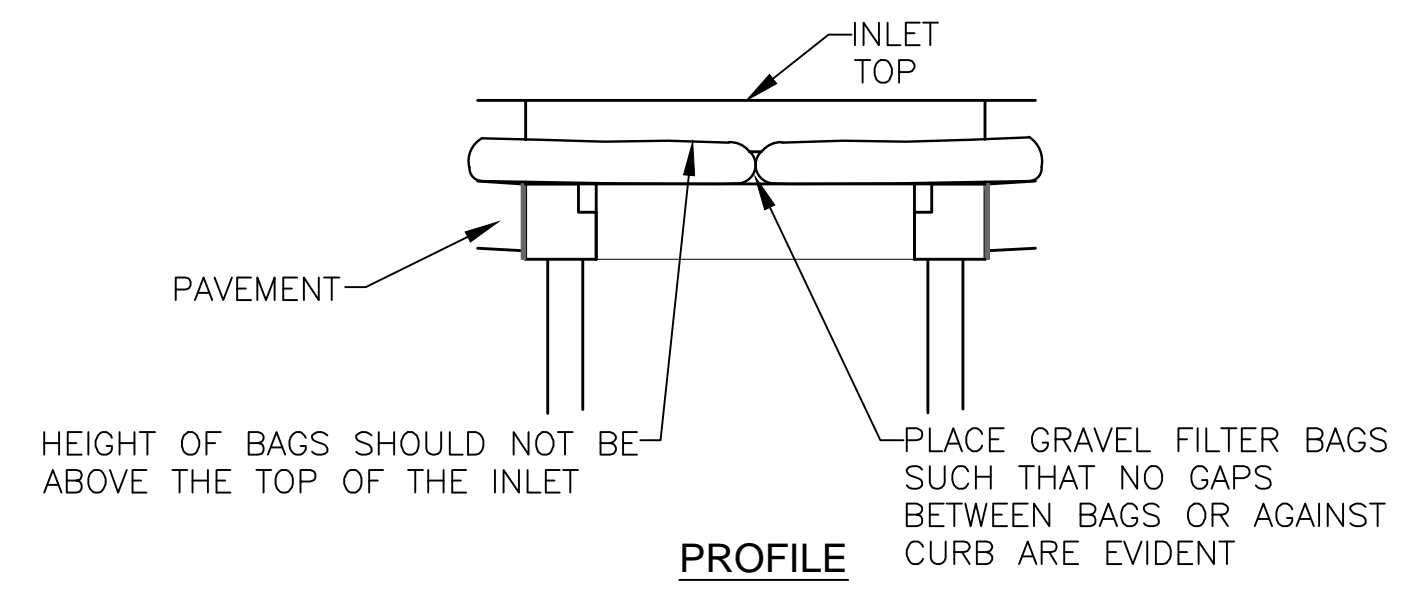
STANDARD DETAILS

EROSION & POLLUTION CONTROL  
INLET PROTECTION AND GENERAL NOTES  
(DT-020)

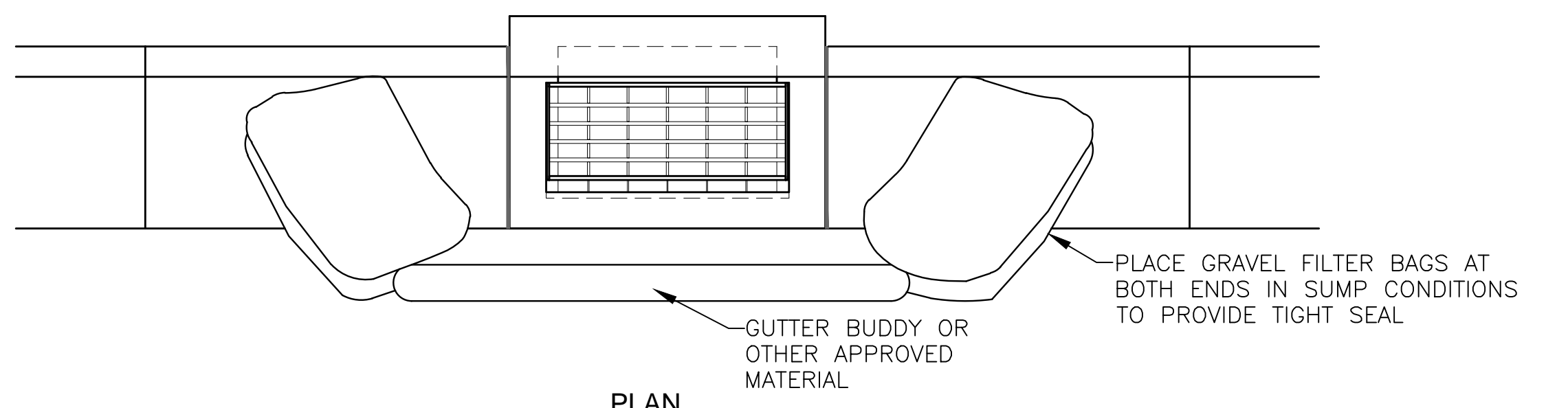
DATE: 2026  
SHEET: 13 of 18  
841099.04  
PROJ.: 501125.04



PLAN



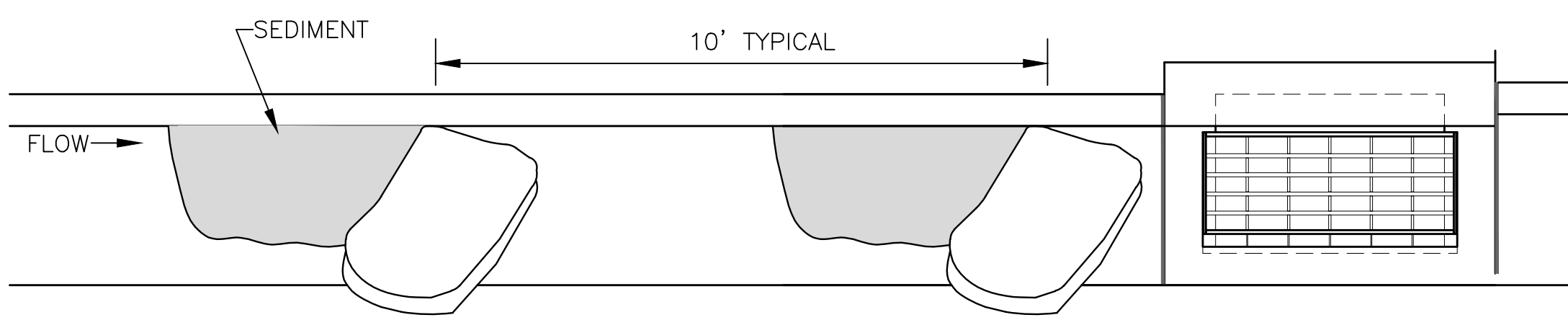
PROFILE



PLAN

SUMP CONDITIONS

NOTE:  
DO NOT BLOCK INLET OPENING - STORMWATER MUST BE ALLOWED TO FLOW TO DRAIN AND NOT BYPASS TO DOWNSTREAM.

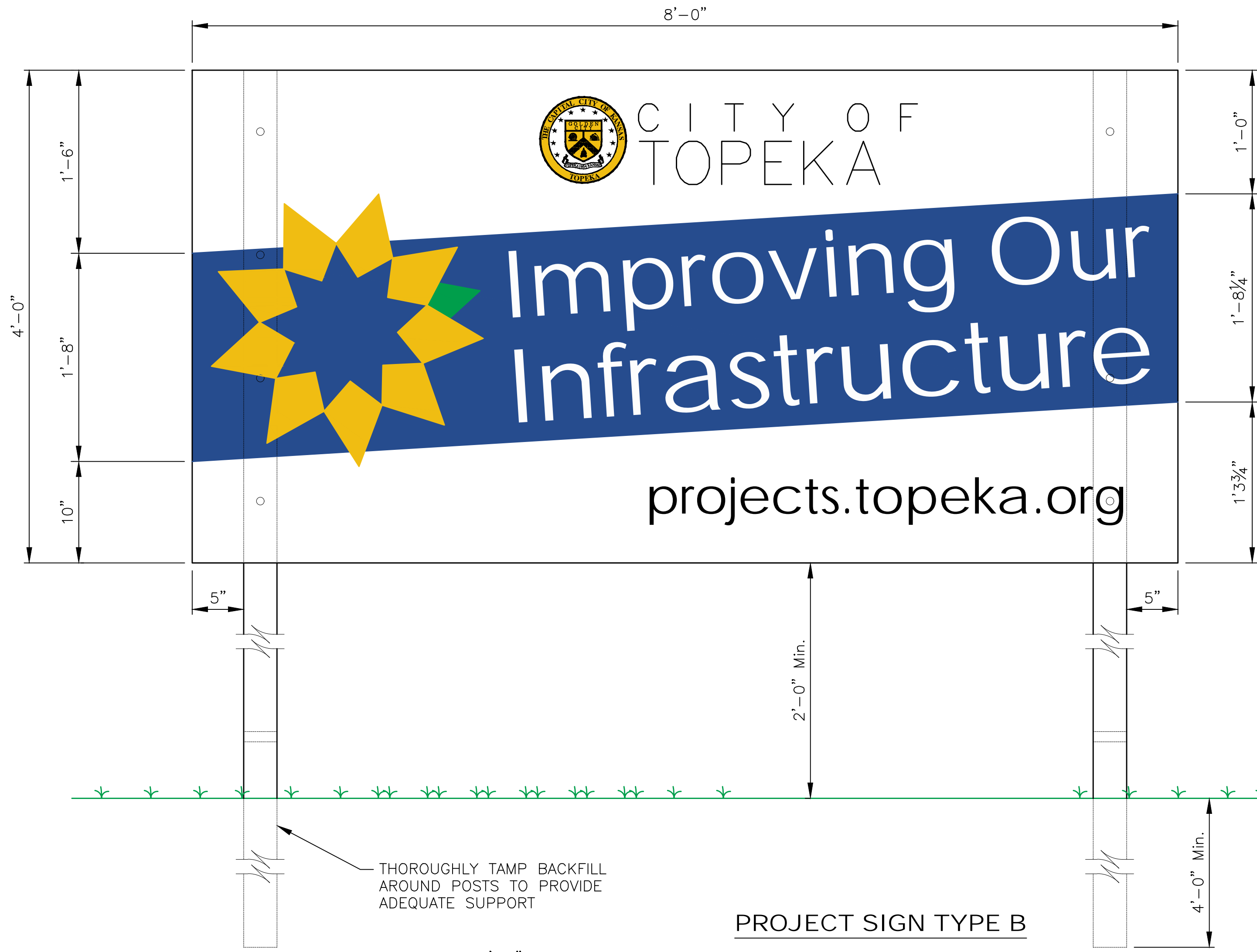


PLAN

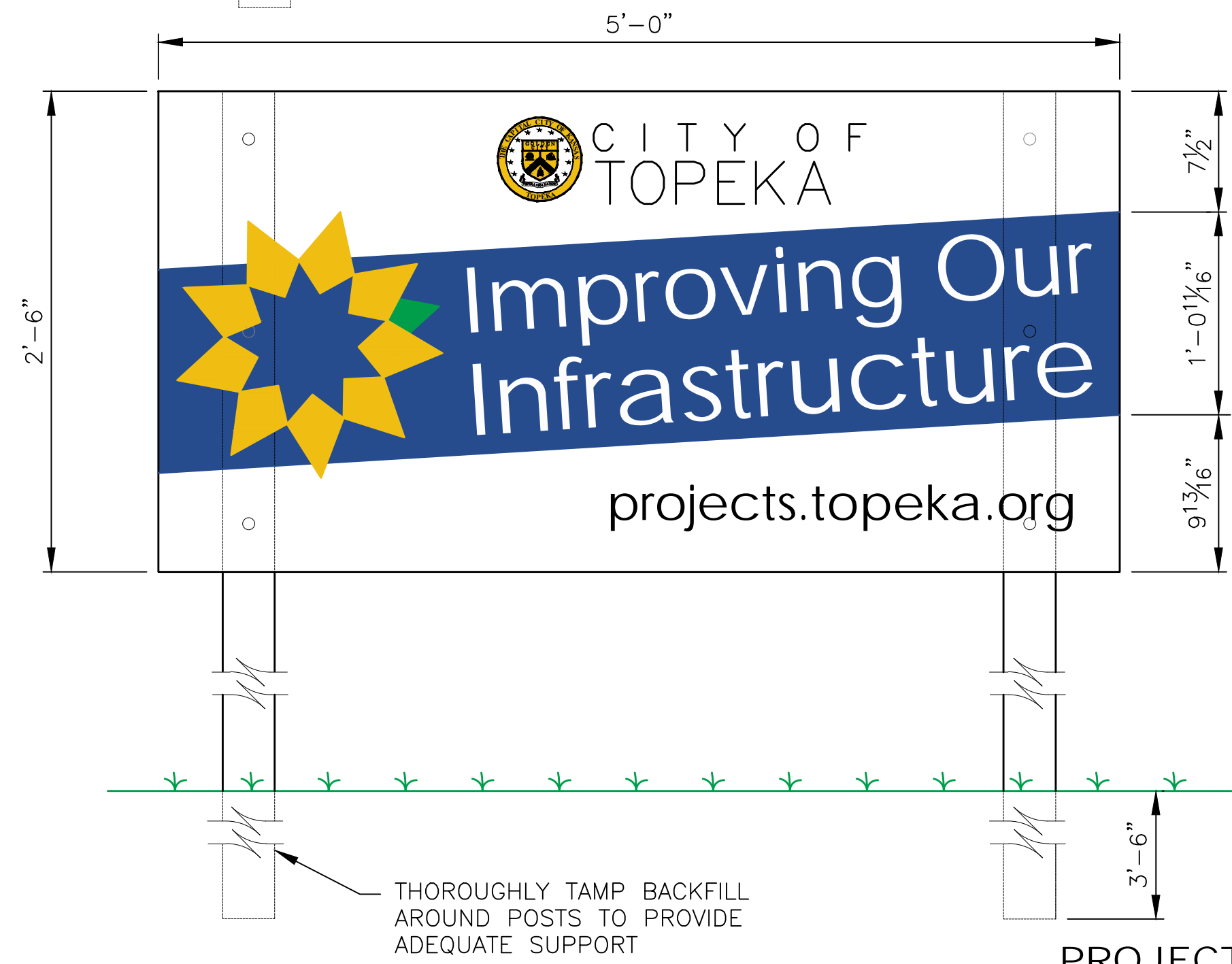
IN GRADE CONDITIONS

- NOTES:
1. OTHER APPROVED CURB INLET SEDIMENT FILTERS MAY BE USED.
  2. IMMEDIATELY FOLLOWING INLET CONSTRUCTION AND PRIOR TO CONSTRUCTION OF CURB AND INLET THROAT, PROTECT INLET OPENING AROUND PERIMETER. SEE AREA INLET DETAIL THIS PAGE.
  3. CONTRACTOR TO CLEAN OUT SEDIMENT AFTER EACH SIGNIFICANT RAINFALL EVENT.
  4. DURING CONSTRUCTION GRAVEL FILTER BAGS SHALL BE REPLACED PRIOR TO DEGRADATION.
  5. ANY SEDIMENT OR GRAVEL DEPOSITED IN INLET SHALL BE REMOVED PROMPTLY.

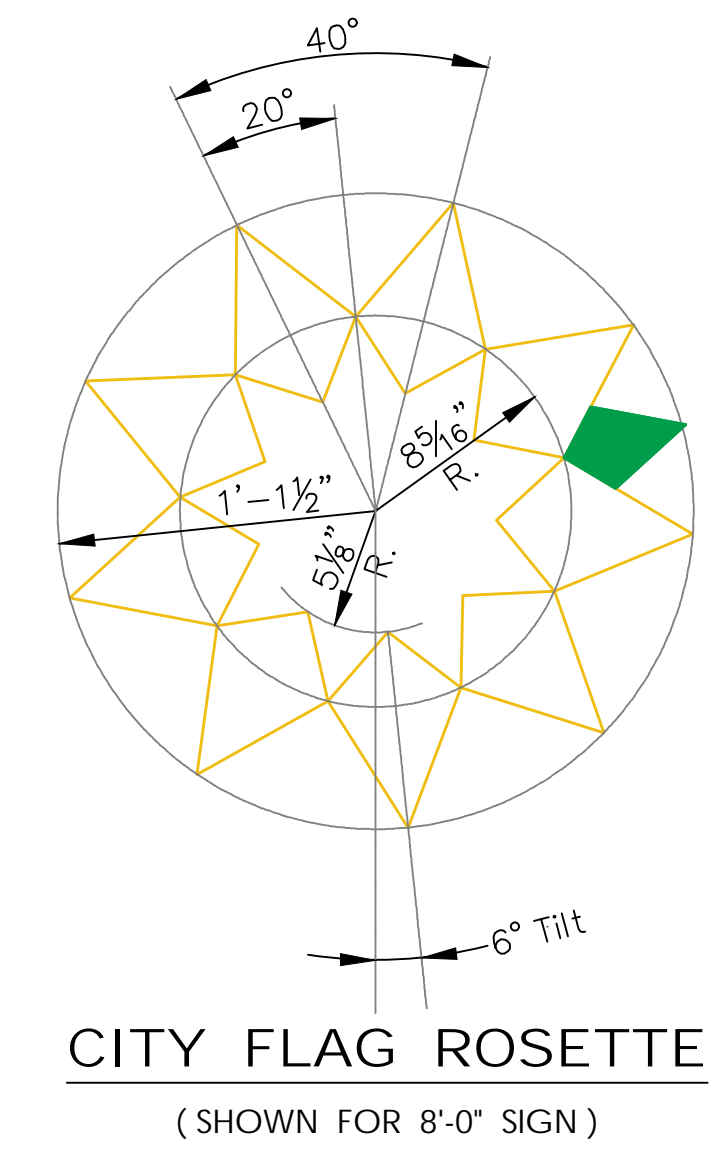
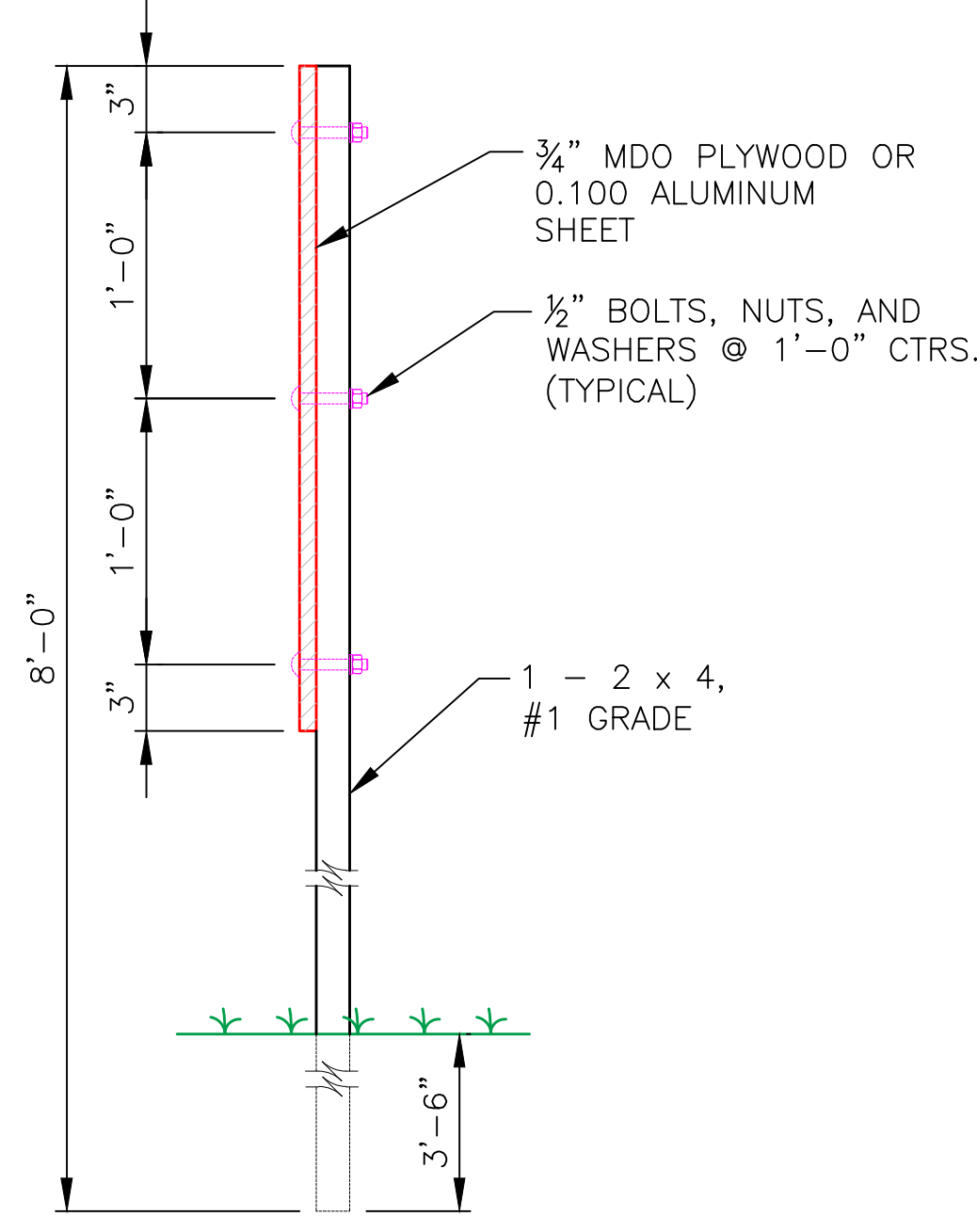
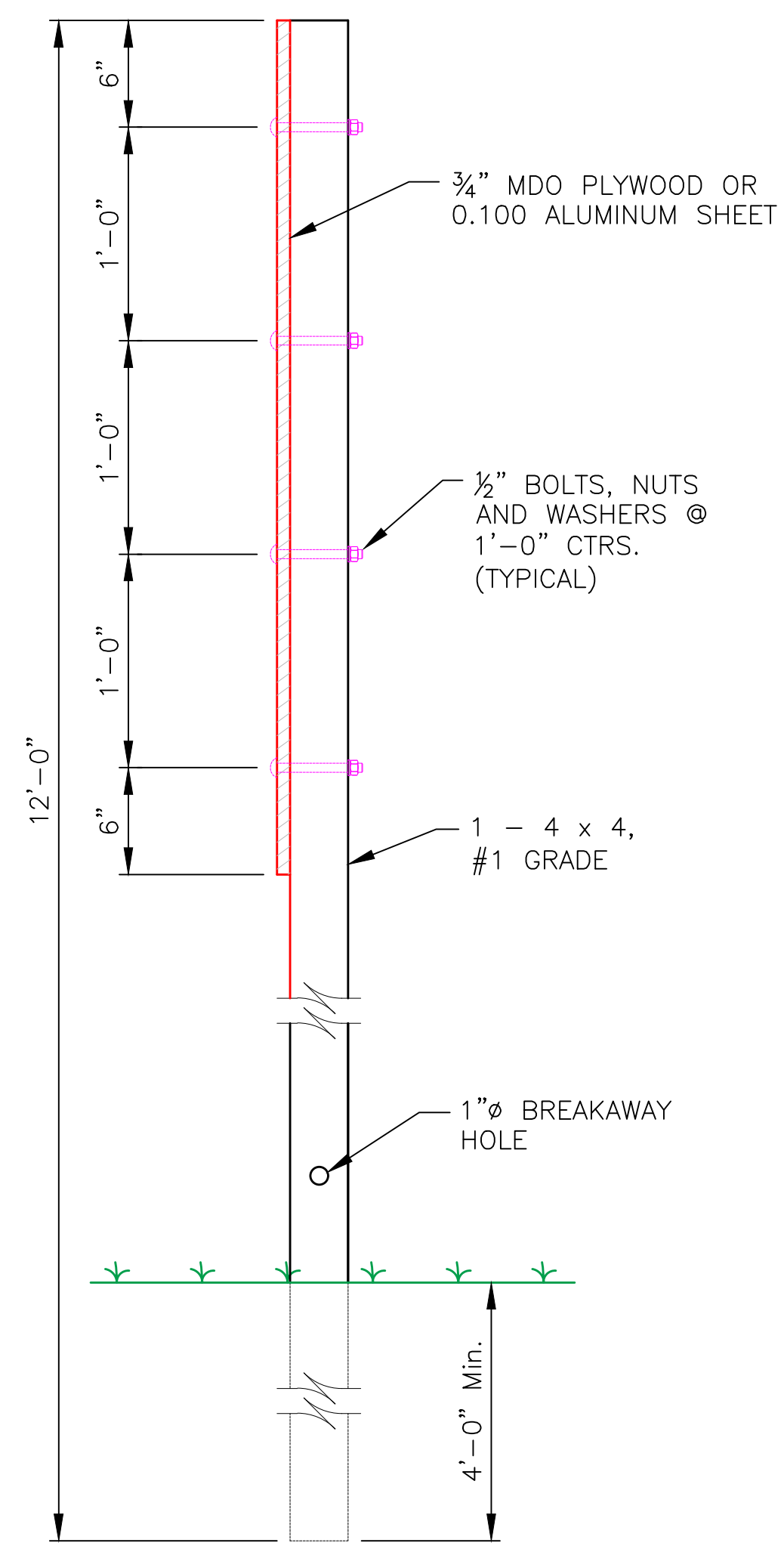
CURB INLET SEDIMENT PROTECTION



PROJECT SIGN TYPE B



PROJECT SIGN TYPE A



- NOTES:
- LETTERING FOR 8'-0" WIDE SIGN SHALL USE THE FOLLOWING FONTS:  
 C I T Y O F - BASIC SANS SF - BLACK (2 3/8")  
 TOPEKA - BASIC SANS HEAVY SF - BLACK (4 3/16")  
 Improving Our - CENTURY GOTHIC BOLD - WHITE (6 3/16")  
 Infrastructure - CENTURY GOTHIC BOLD - WHITE (7 3/16")  
 projects.topeka.org - CENTURY GOTHIC - BLACK (3 1/2")
  - LETTERING FOR 5'-0" WIDE SIGN SHALL USE THE FOLLOWING FONTS:  
 C I T Y O F - BASIC SANS SF - BLACK (1 5/8")  
 TOPEKA - BASIC SANS HEAVY SF - BLACK (2 2/8")  
 Improving Our - CENTURY GOTHIC BOLD - WHITE (4 1/8")  
 Infrastructure - CENTURY GOTHIC BOLD - WHITE (4 1/2")  
 projects.topeka.org - CENTURY GOTHIC - BLACK (2 3/16")

- LETTERING SHALL BE VINYL COMPUTER CUT SCOTCHCAL OR APPROVED EQUAL IN THE COLORS LISTED ABOVE. CITY LOGO SYMBOL SHALL BE BLACK ON GOLD (RGB 240,189,18). BACKGROUND STRIPE SHALL BE NAVY BLUE (RGB 38,76,142). CITY FLAG ROSETTE SHALL BE GOLD (RGB 240,189,18) MATCHING THE GOLD USED IN THE CITY OF TOPEKA LOGO, AND GREEN (RGB 0,158,75)
- RGB VALUES ARE APPROXIMATE. VARIATIONS FROM THE LISTED RGB VALUES MUST BE REQUESTED FOR APPROVAL.
  - ONE SIDE OF SIGN ONLY.
  - WOOD SIGN AND POSTS SHALL BE PAINTED WITH TWO (2) COAT EXTERIOR WHITE PRIMER AND ONE (1) COAT EXTERIOR WHITE SEMI-GLOSS FINISH.
  - ALTERNATIVE TO WOOD PANEL, CONTRACTOR MAY USE 3MM MIN. ALUMINUM COMPOSITE MATERIAL (ACM), REINFORCED ON THE BACK SIDE WITH 2X4 PRESSURE TREATED AND PAINTED STRINGERS TO PREVENT SAG OR BOW. FOR ACM PANELS, DIGITALLY PRINTED GRAPHICS ARE ALLOWED, AND SHALL REQUIRE A UV OVER-LAMINATE.
  - LOCATION OF PROJECT SIGN TO BE DETERMINED BY THE CITY ENGINEER.
  - SIGN SHALL BE ERECTED PRIOR TO ANY CONSTRUCTION ACTIVITY, AND MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. SIGN SHALL BE REMOVED UPON PROJECT COMPLETION.
  - PROJECT SIGNAGE NOT REQUIRED ON PROJECTS TO BE CONSTRUCTED OUTSIDE THE CITY LIMITS UNLESS SPECIFIED BY THE COUNTY ENGINEER.
  - IF METAL POSTS ARE USED INSTEAD OF WOOD POSTS, THEY MUST BE BREAKAWAY POSTS AS SHOWN ON CoT TRAFFIC ENGINEERING'S DT-112.
  - NOTE FOR AUTOCAD: SET MERGE CONTROL TO "LINES OVERWRITE", PLOT IN TRUE COLOR PEN TABLES.
  - PDF and AUTOCAD files can be found at:  
<https://www.topeka.org/engineering/design-right-of-way/>

NO.	DATE:	REVISION	BY:	APP'D
4	March 2022	ALL NEW SIGN TEXT - 2022	MJM	LH
3	March 2013	Added breakaway metal post, sign & ht.	DHS	SB
2	Dec. 2009	All new sign text	DHS	SB
1	Jan. 2007	Changed Logo	DHS	SB

DRAWN BY: *rm/mc*  
 APP'D BY: *R. Anthony Kemp*

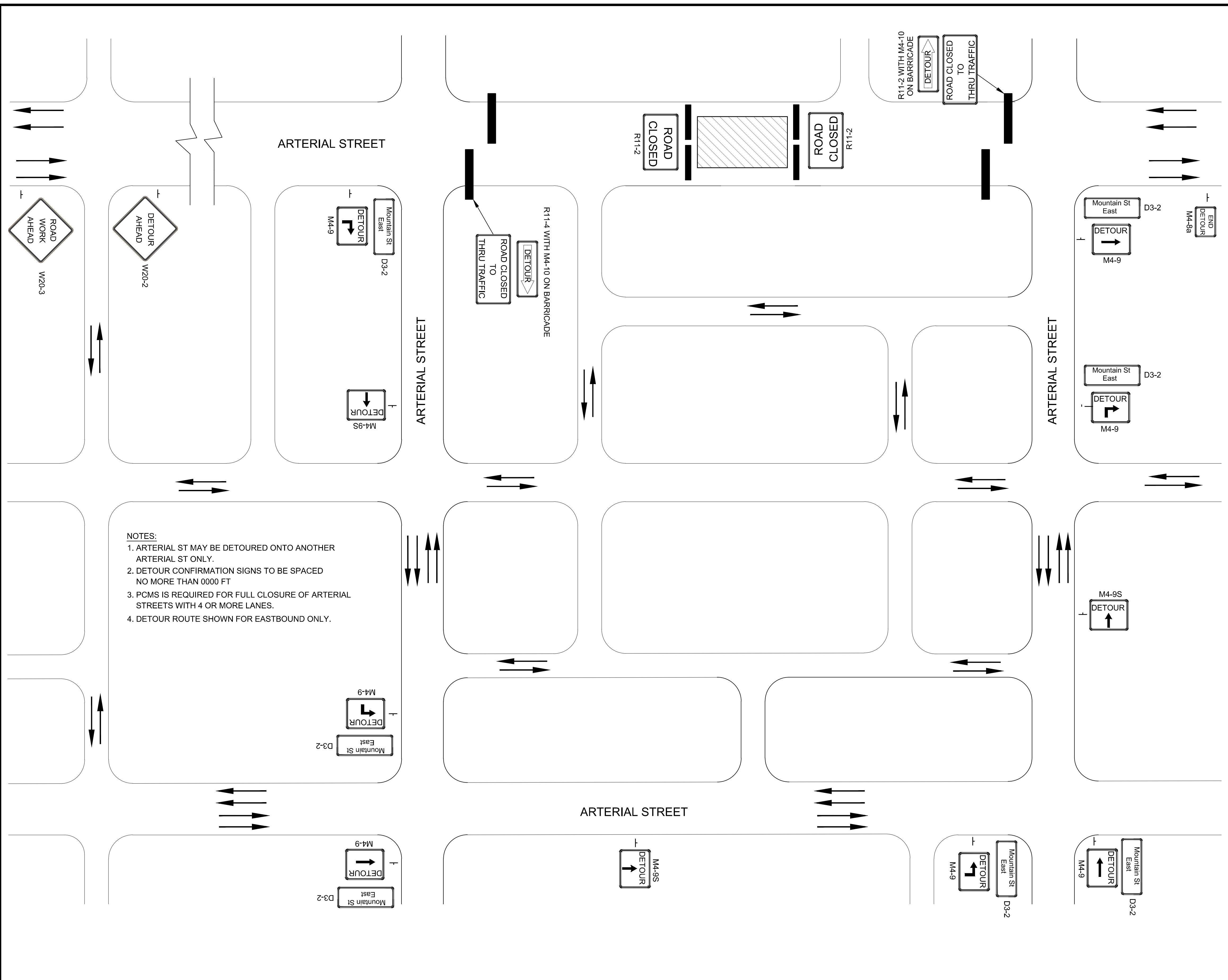
SHAWNEE COUNTY, KANSAS  
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TOPEKA  
 Public Works  
 ENGINEERING  
 620 SE MADISON St - 2nd Floor - TOPEKA, KS 66607  
 Phone: (785) 368-3842 - Fax: (785) 368-3881

STANDARD DETAILS

TYPICAL  
 PROJECT SIGNING  
 THROUGH CONSTRUCTION AREAS  
 (DT-019)

DATE: 2026  
 SHEET: 14 of 18  
 841099.04  
 PROJ.: 501125.04



**NOTES:**  
 1. ARTERIAL ST MAY BE DETOURED ONTO ANOTHER ARTERIAL ST ONLY.  
 2. DETOUR CONFIRMATION SIGNS TO BE SPACED NO MORE THAN 0000 FT  
 3. PCMS IS REQUIRED FOR FULL CLOSURE OF ARTERIAL STREETS WITH 4 OR MORE LANES.  
 4. DETOUR ROUTE SHOWN FOR EASTBOUND ONLY.

**GENERAL NOTES:**

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.

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

ALL WORKERS SHALL WEAR HIGH VISIBILITY APPAREL MEETING ANSI 107-2015 CLASS 2 OR 3.

FOR OPERATIONS OF LESS THAN 60 MINUTES, ALL SIGNS AND CHANNELIZING DEVICES MAY BE ELIMINATED IF A VEHICLE WITH HIGH INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS IS USED. VEHICLE WARNING FLASHERS SHALL NOT BE USED IN LIEU OF ROTATING FLASHING BEACONS LONGER THAN 15 MINUTES.

**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 LANE OR OFFSET IN FEET  
 S = POSTED SPEED LIMIT PRIOR TO WORK STARTING

SPEED LIMIT	TAPER (L) 12' LANE	SIGN SPACING (X)	BUFFER SPACE
20mph	80'	100'	115'
25mph	125'	100'	155'
30mph	180'	100'	200'
35mph	245'	100'	250'
40mph	320'	100'	305'
45mph	540'	350'	360'

TABLE 118 A (1)

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

**LEGEND**

- T — = SIGN
- = TYPE III BARRICADE
- O = CHANNELIZING DEVICES
- ◀◀◀◀ = ARROW PANEL BOARD
- ▨ = WORK SPACE
- ⏏ = FLAGGER

NO.	DATE:	REVISION	BY:	APP'D
1	10/30/20	MAJOR REVISION	SU	KRE

DRAWN BY: Shoeb Uddin  
 APP'D BY: Kristi Ericksen



**STANDARD DETAILS**  
**DT - 118 A**

**TRAFFIC CONTROL**  
**Arterial Street Closure**

DATE: 2026  
 PAGE: 15 OF 18  
 841099.04  
 PROJECT: 501125.04

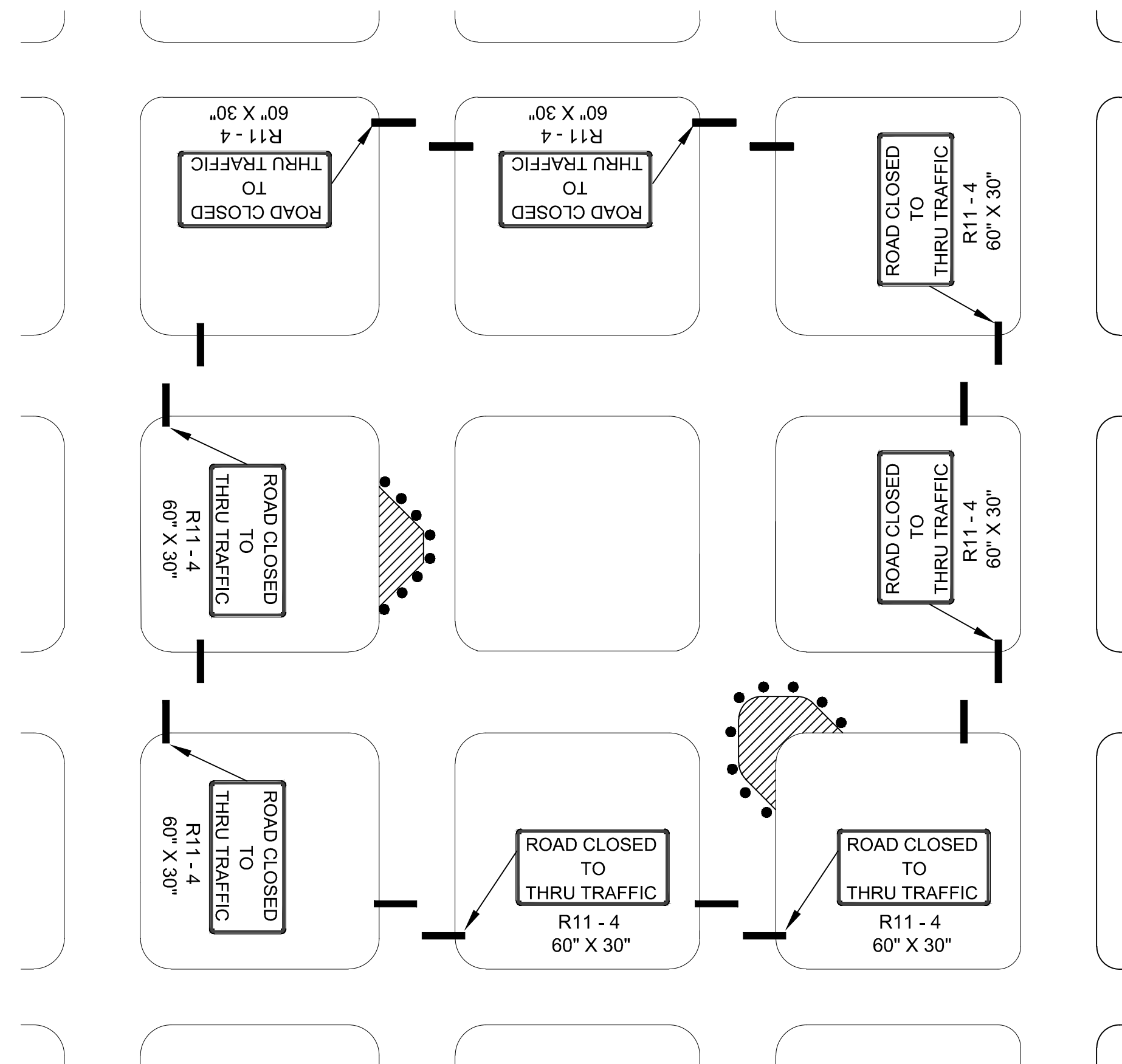
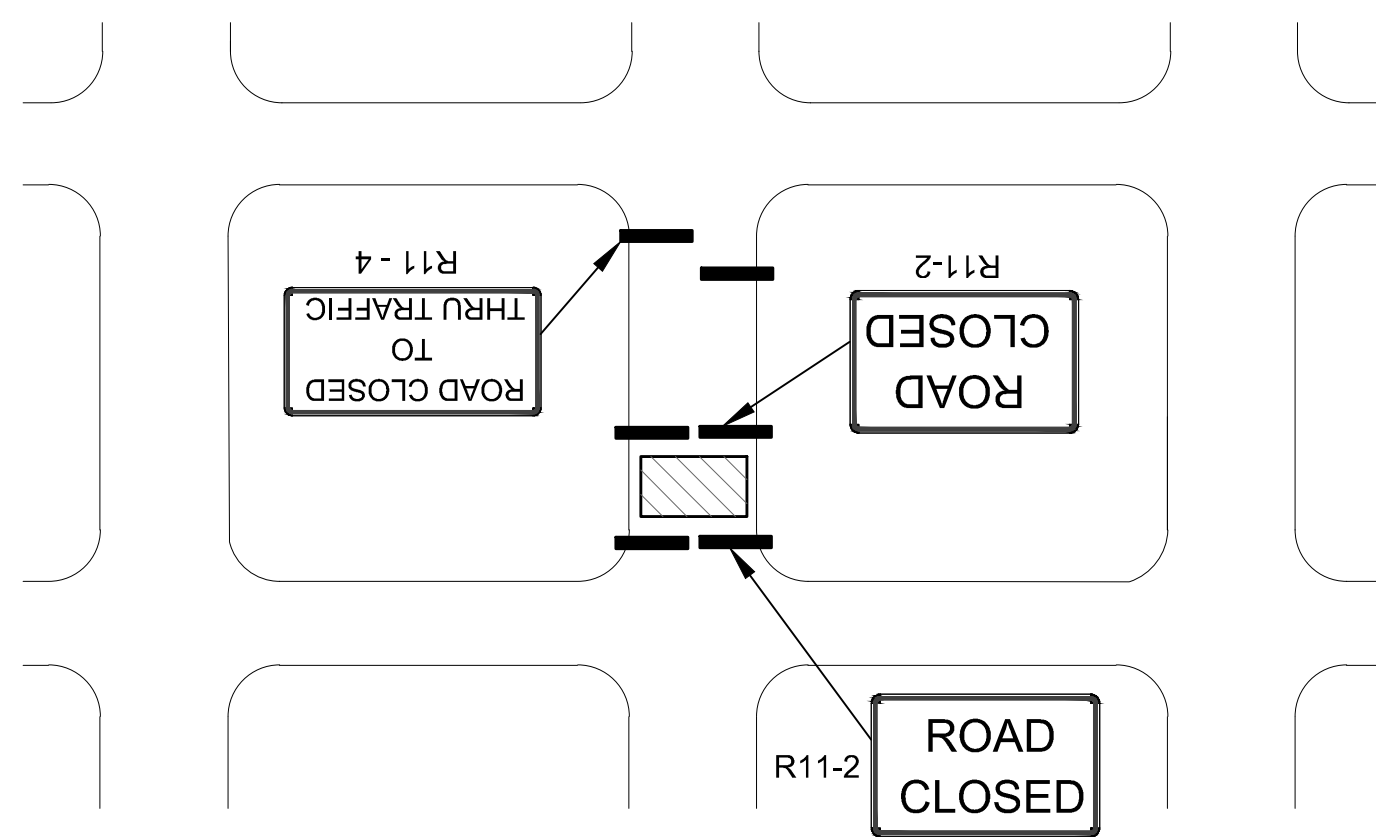


FIGURE - 118 B (1)  
CONSTRUCTION WORK ON RESIDENTIAL / LOCAL STREETS



Need for Detour will be determined by the Engineer. Collector Streets cannot be detoured onto local or residential streets.

FIGURE - 118 B (2)  
CLOSURE OF RESIDENTIAL / LOCAL STREETS

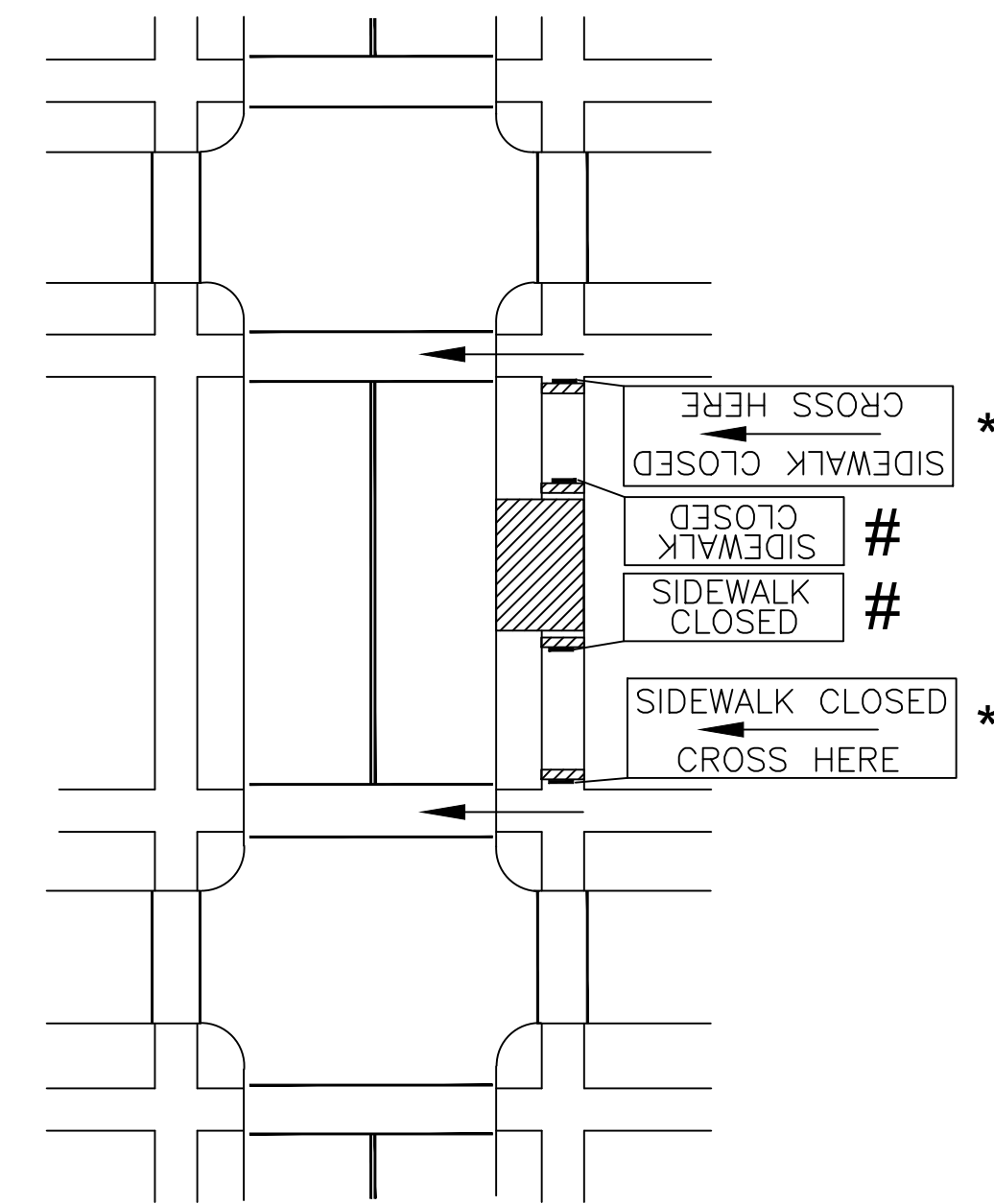


FIGURE - 118 B (3)  
MID-BLOCK SIDEWALK CLOSURE  
WITH PEDESTRIAN DETOUR

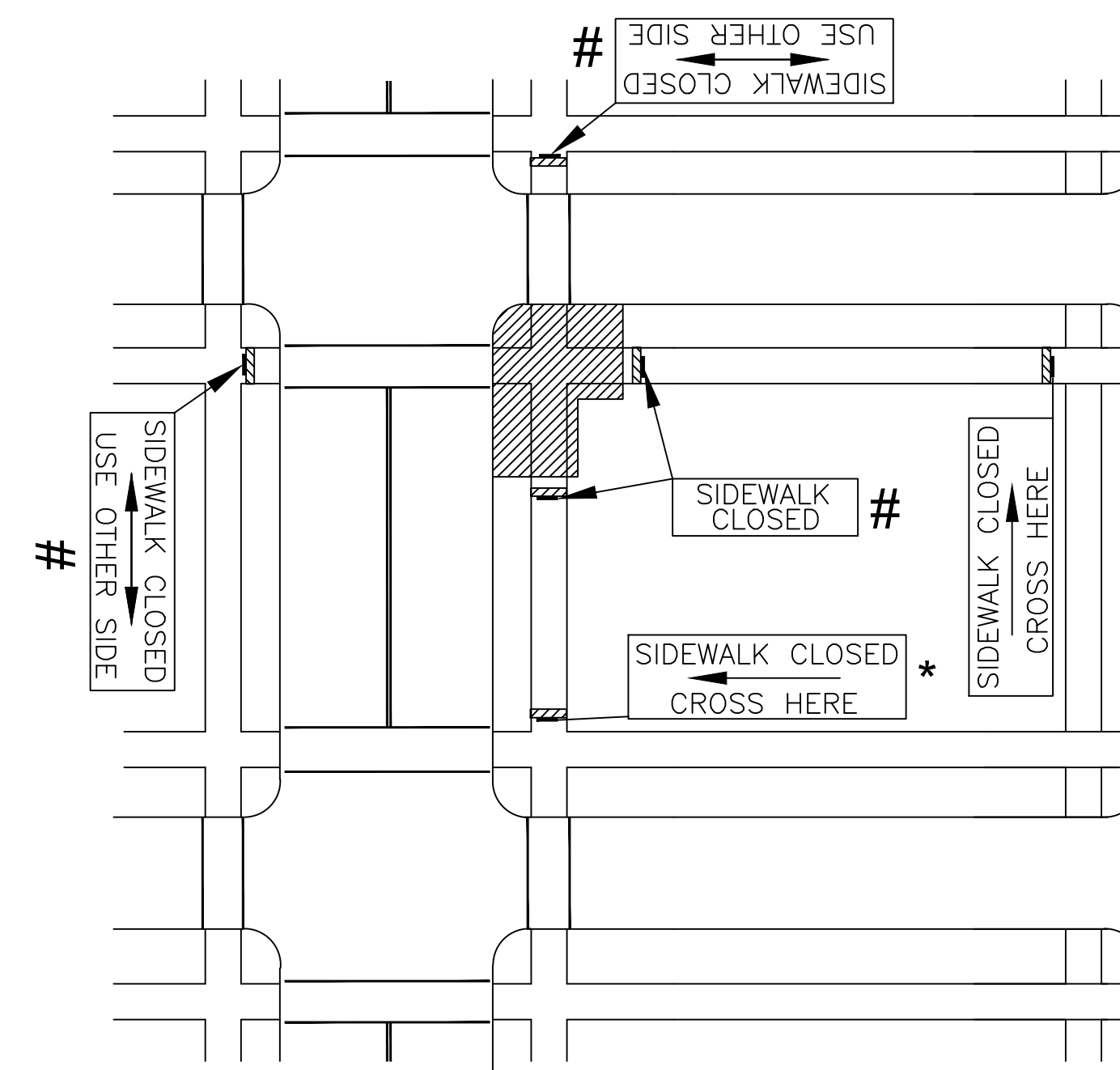


FIGURE - 118 B (4)  
CORNER SIDEWALK CLOSURE  
WITH PEDESTRIAN DETOUR

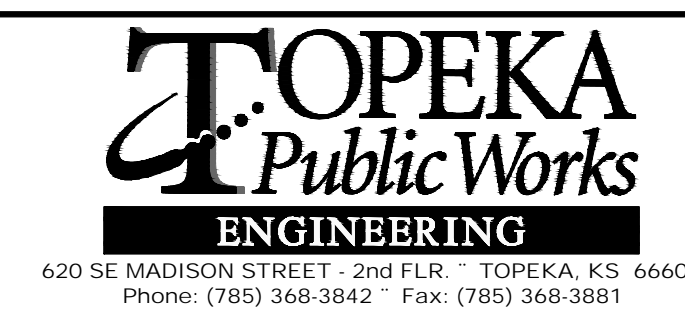
\* ADVANCE SIGNS TO BE PLACED ON TYPE I OR TYPE II BARRICADES OR POST MOUNTED. PLACEMENT SHALL BE SUCH THAT SO THAT AT LEAST 48" OF SIDEWALK IS AVAILABLE FOR PEDESTRIAN USE.

# SIGNS TO BE PLACED ON CONTINUOUS DETECTABLE DEVICES.

LEGEND	
— = SIGN	◀◀◀◀ = ARROW PANEL BOARD
— = TYPE III BARRICADE	▨ = WORK SPACE
○ = CHANNELIZING DEVICES	⏏ = FLAGGER

NO.	DATE	REVISION	BY	APP'D
1	10/20/30	MAJOR REVISION	SU	KRE

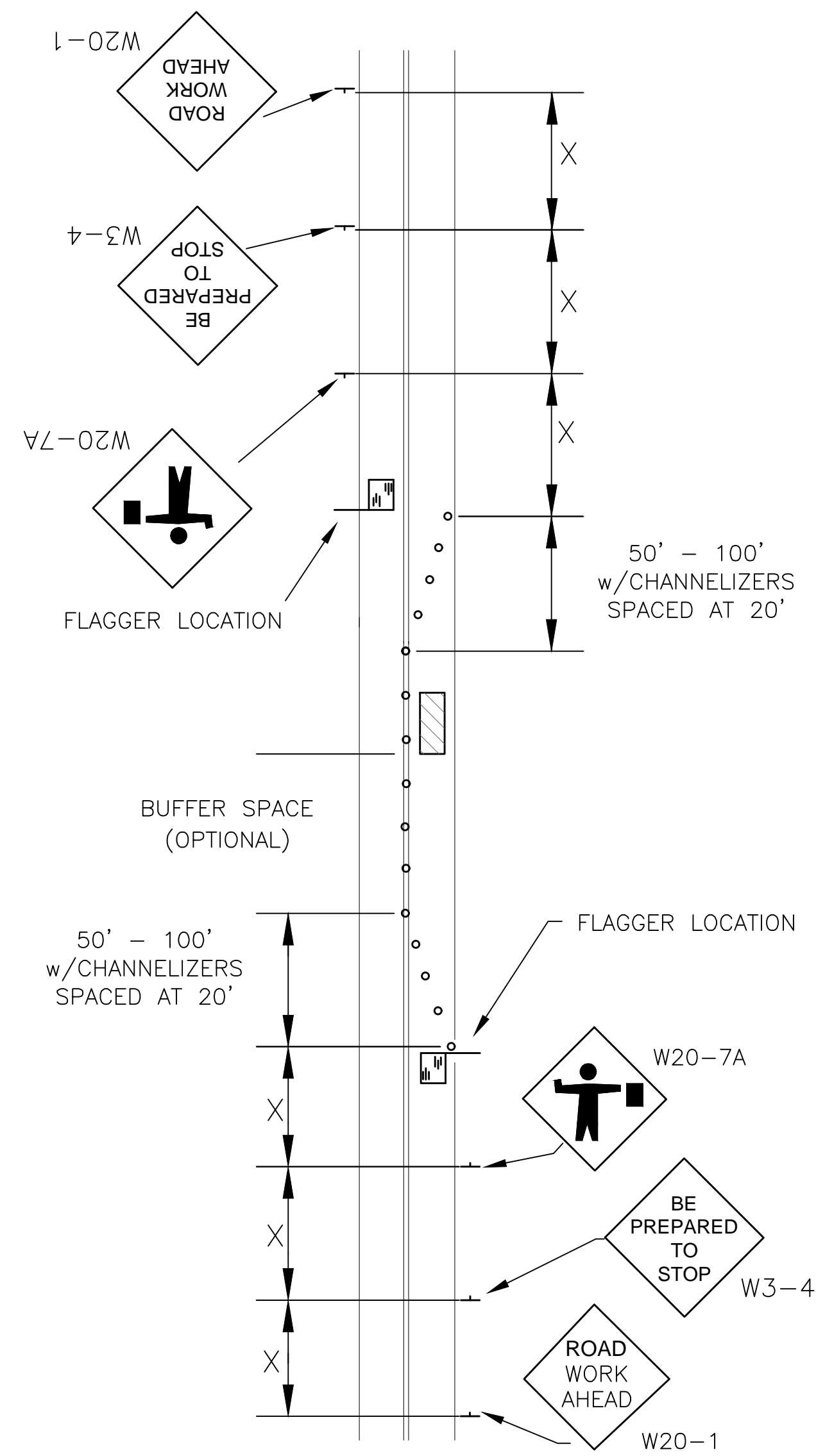
DRAWN BY: Shoeb Uddin  
APP'D BY: Kristi Ericksen



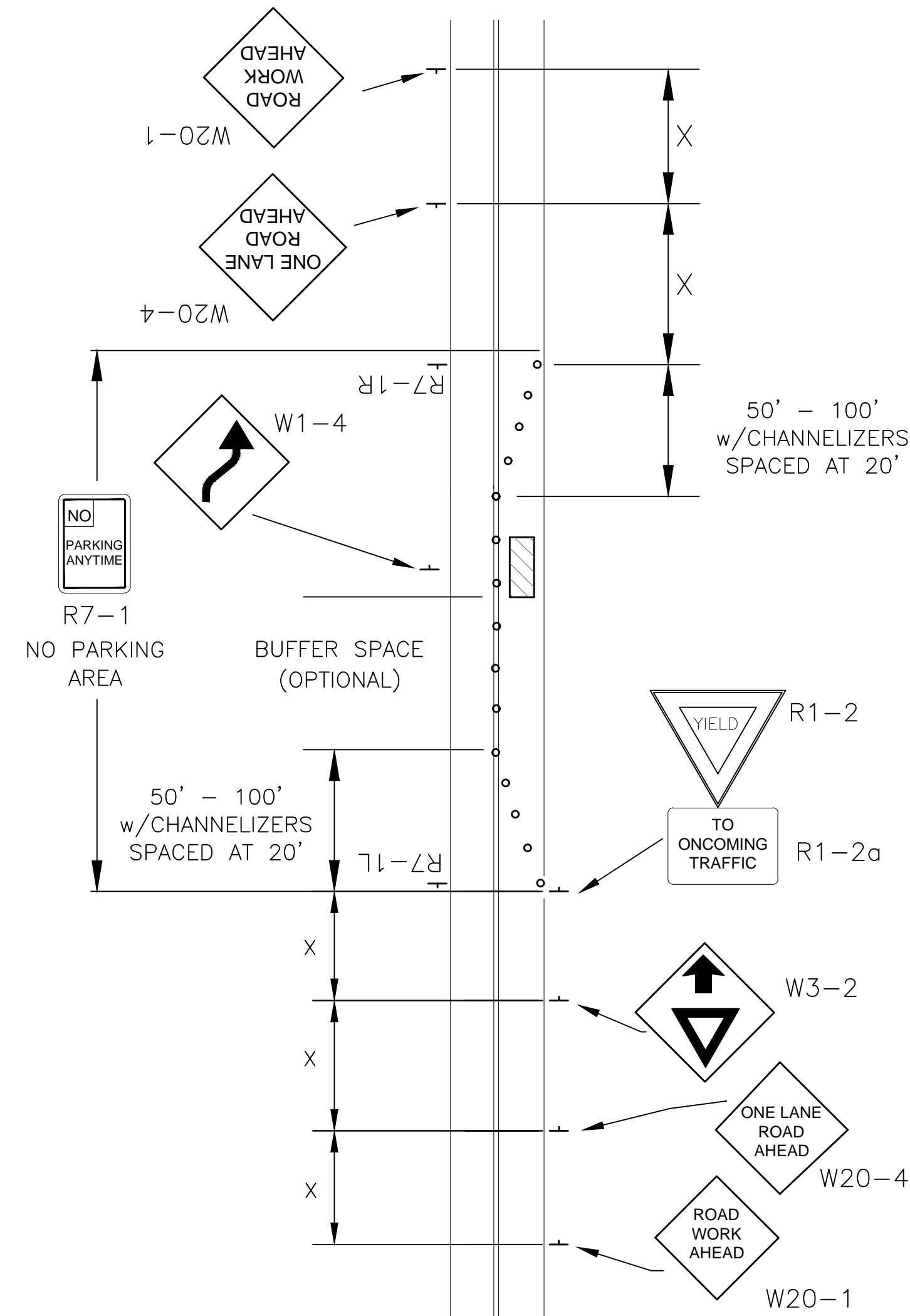
STANDARD DETAILS  
DT - 118 B

TRAFFIC CONTROL  
LOCAL STREET / SIDEWALK CLOSURES

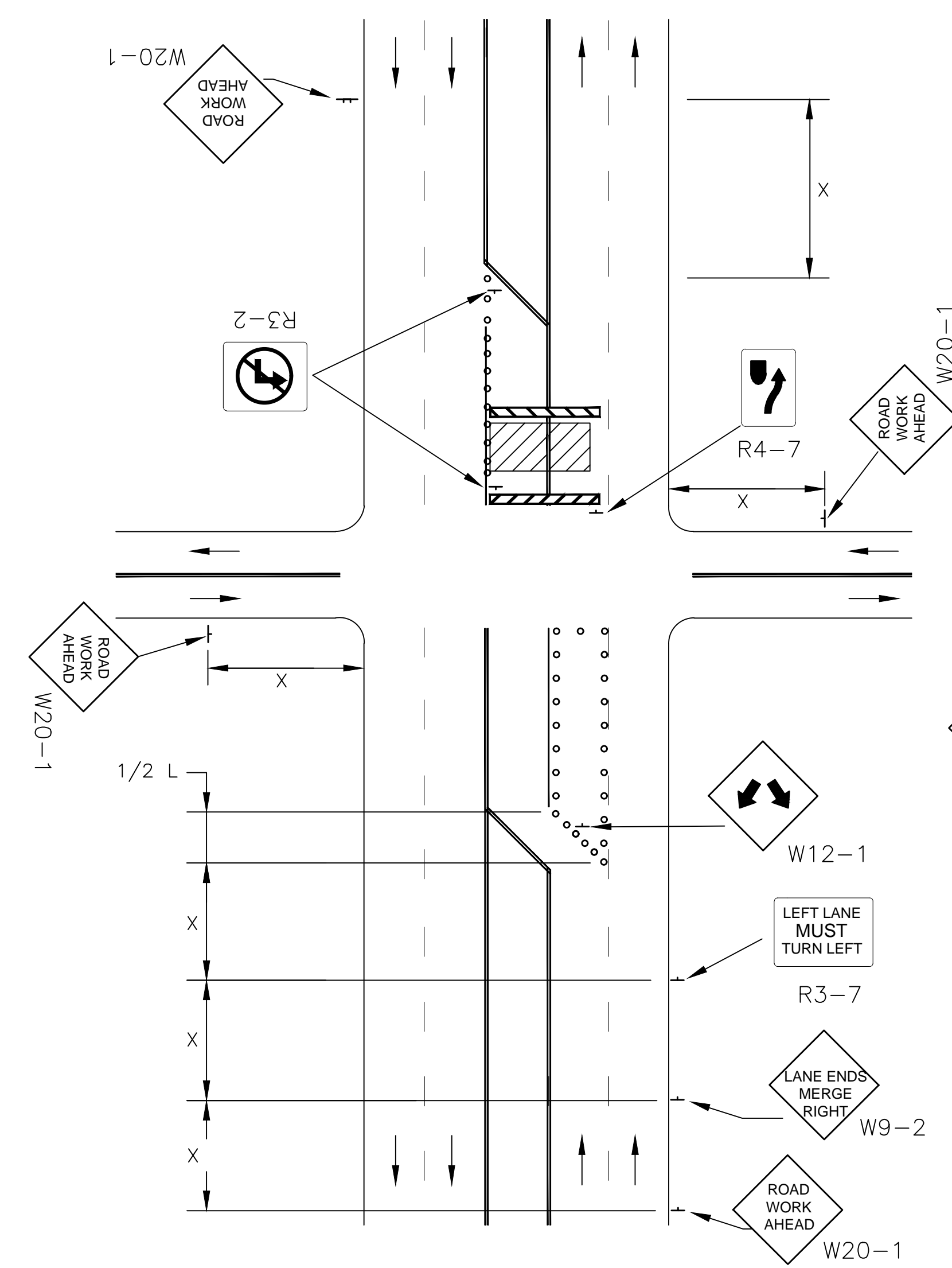
DATE: 2026  
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PROJECT: 841099.04 501125.04



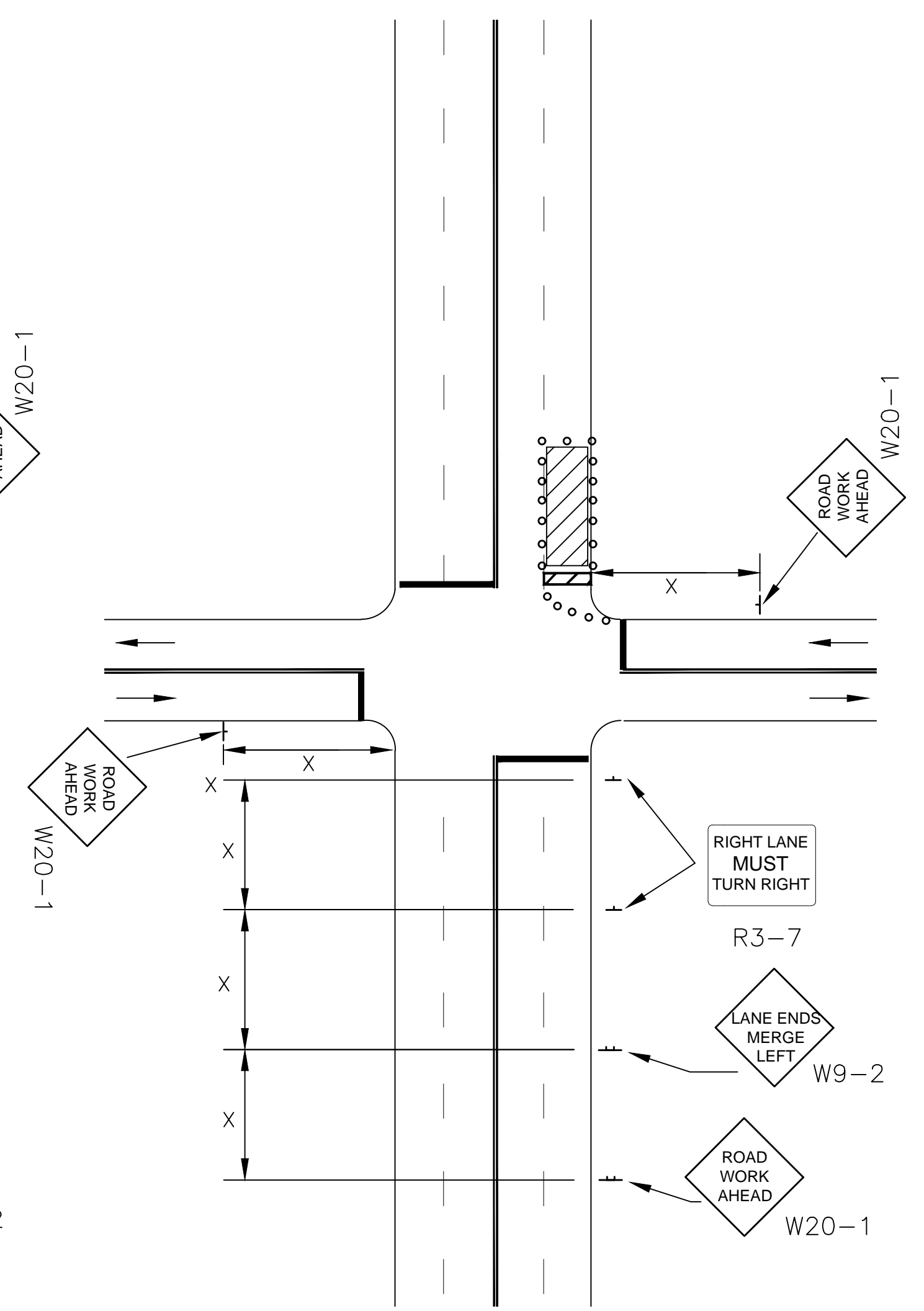
LANE CLOSURE ON TWO-LANE ROAD  
W/ FLAGGER, DAYTIME ONLY



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

REFER TO SHEET DT-118 FOR TAPER LENGTH(L) AND SIGN SPACING(X) VALUES

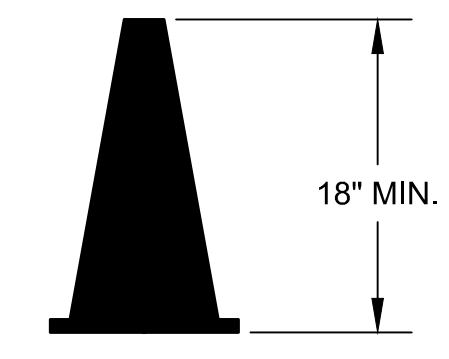
NO.	DATE:	REVISION	BY:	APP'D
3	08/15/23	UPDATE W9-2 SIGN TEXT	AMR	
2	08/06/15	REMOVE W4-7 & REPLACE WITH W9-2	KAP	TLC
1	01/30/12	UPDATE SPECIFICATIONS	KAP	LGV

DRAWN BY: K.PELTON  
APP'D BY: T. CODER

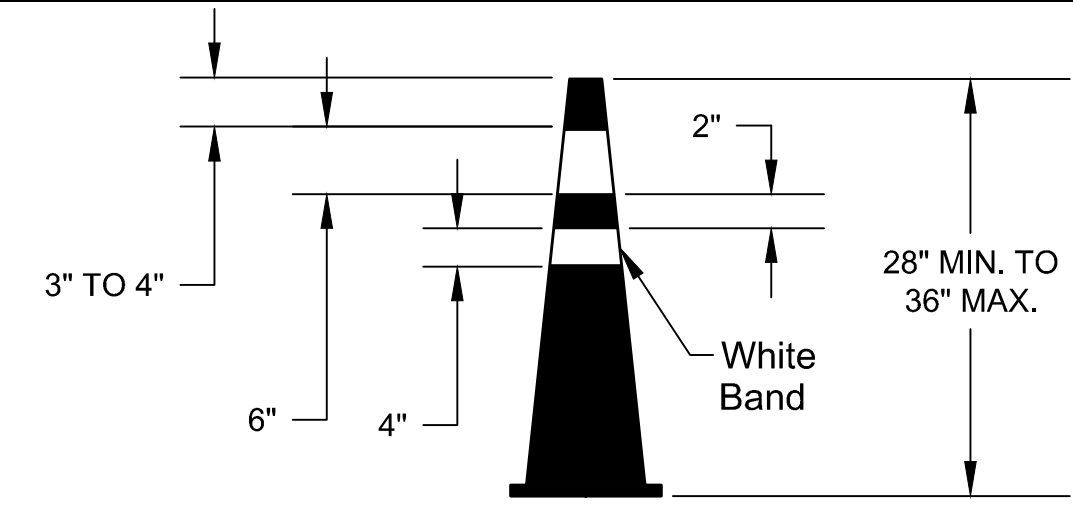
**TOPEKA**  
*Public Works*  
**ENGINEERING**  
620 SE MADISON STREET - 2nd FLR - TOPEKA, KS 66607  
Phone: (785) 368-3842 Fax: (785) 368-3881

**TRAFFIC CONTROL**

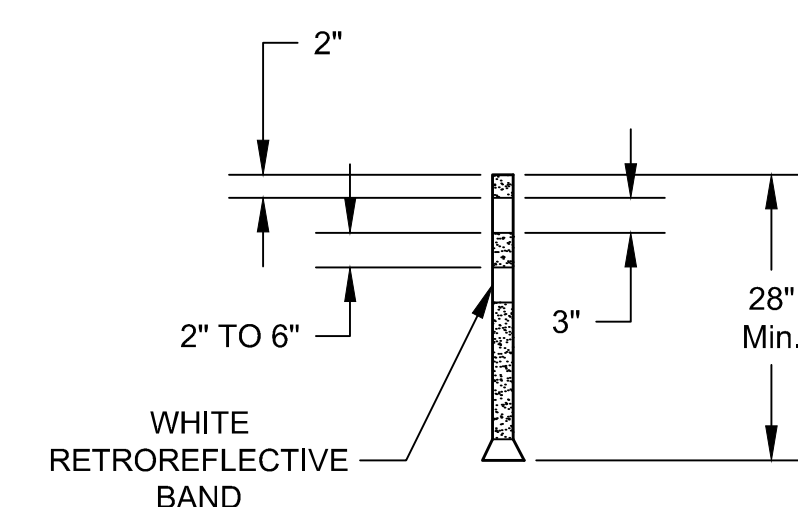
DATE: 2026  
PAGE: 17 OF 18  
DRAWING: DT-119  
841099.04  
PROJECT: 501125.04



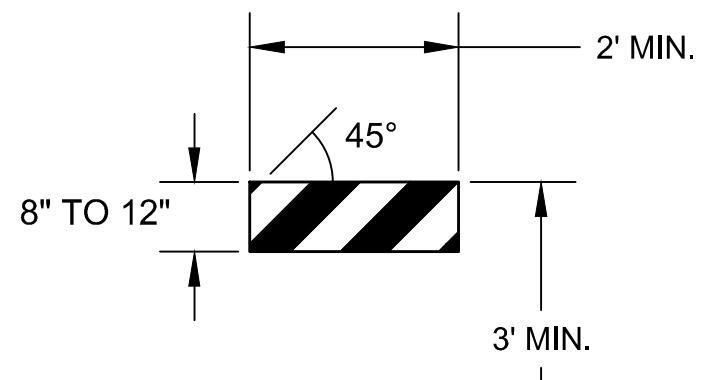
**CONES**  
DAY TIME USE ONLY  
(≤ 40 MPH)



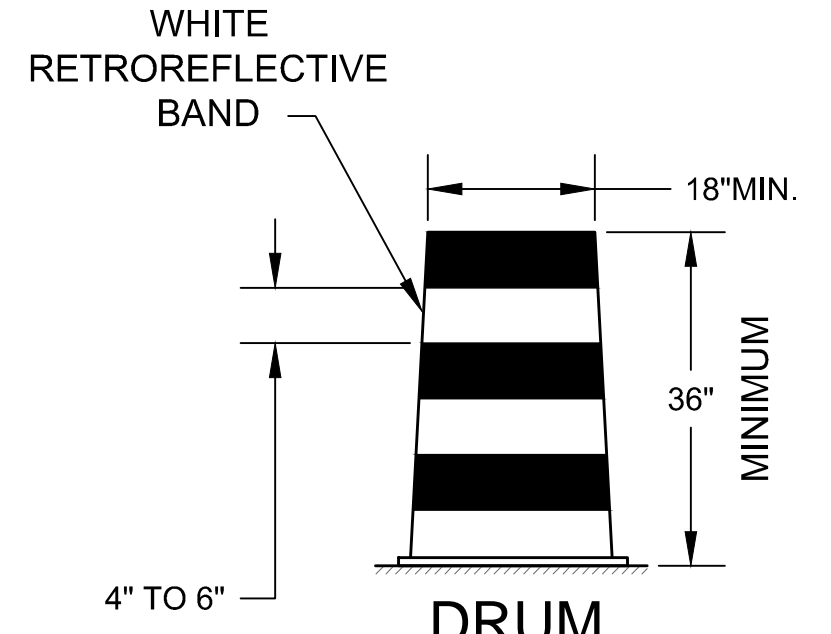
**CONES**  
FLUORESCENT ORANGE CONE  
w/ WHITE RETROREFLECTIVE BANDS



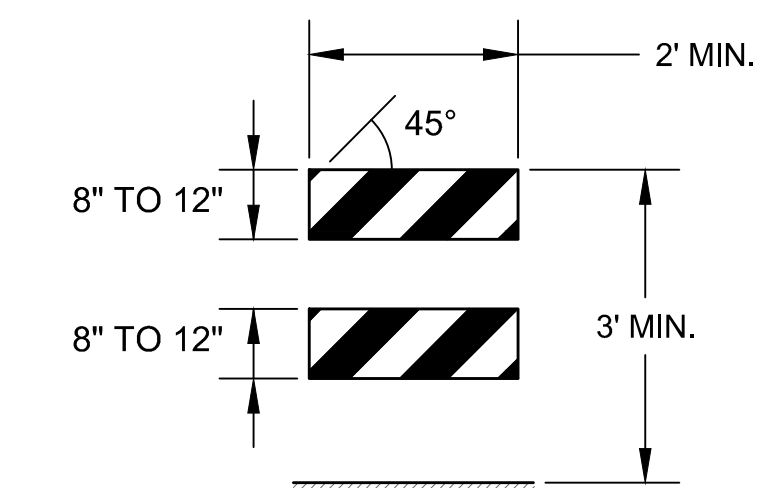
**TUBULAR MARKERS**



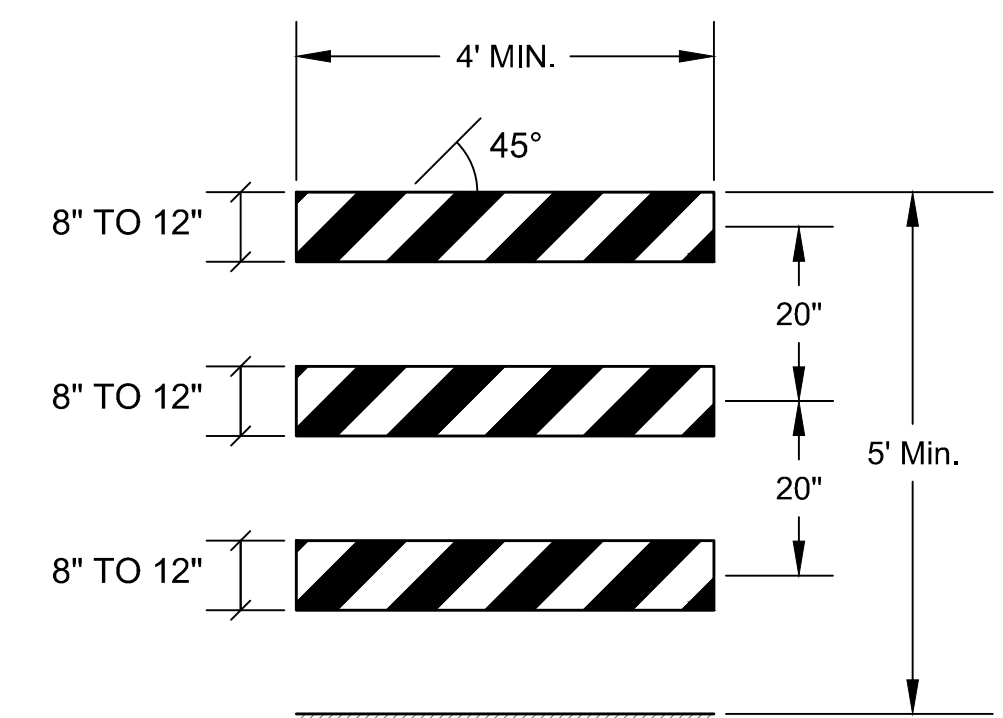
**TYPE I BARRICADE**



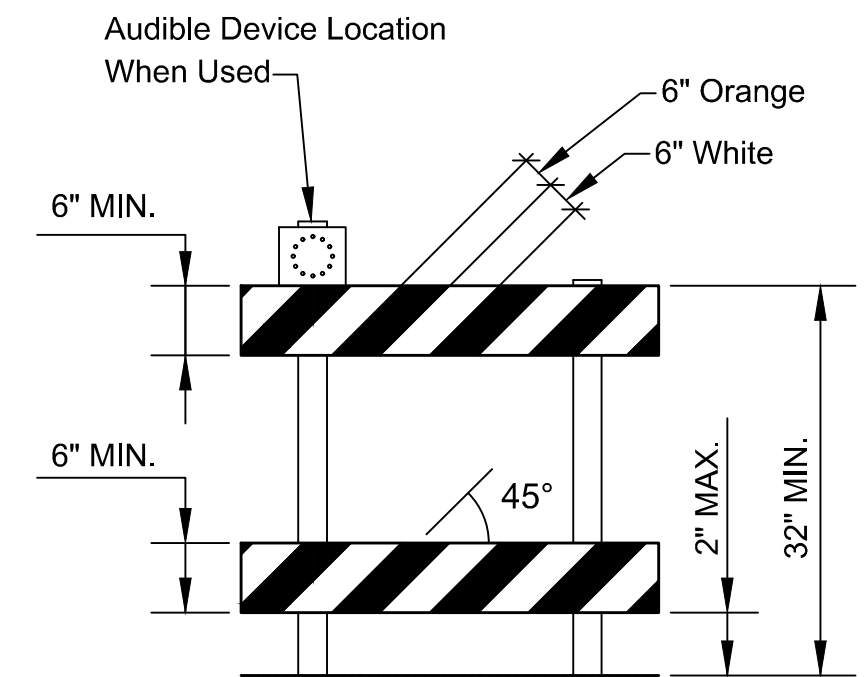
**DRUM**



**TYPE II BARRICADE**

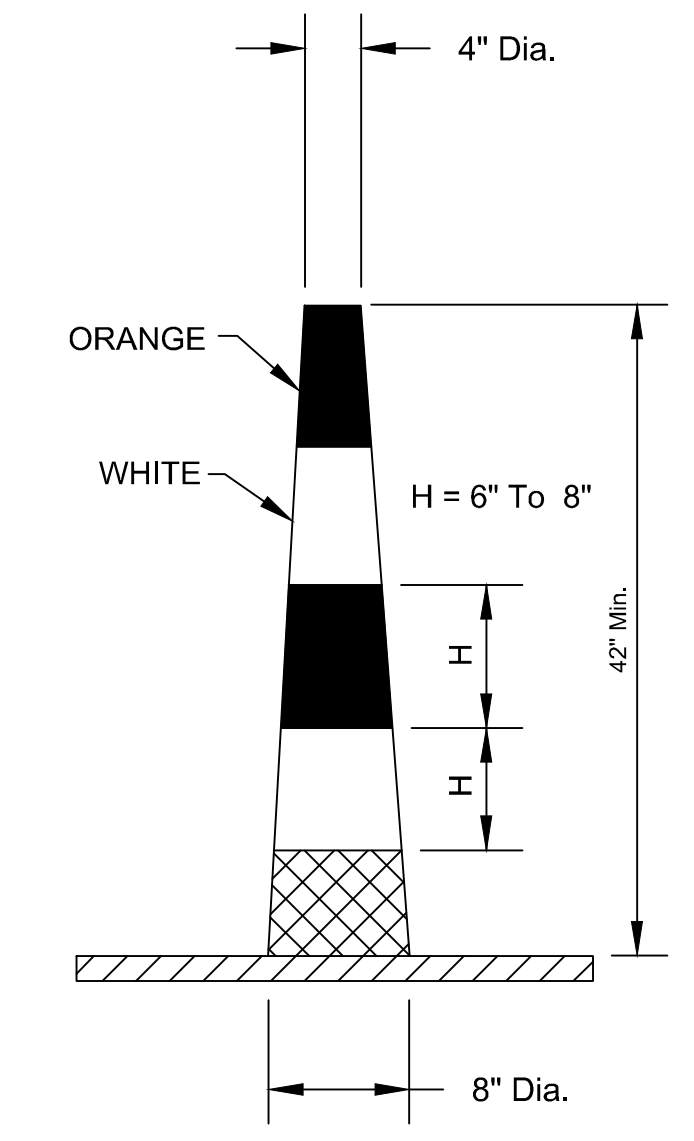


**TYPE III BARRICADE**

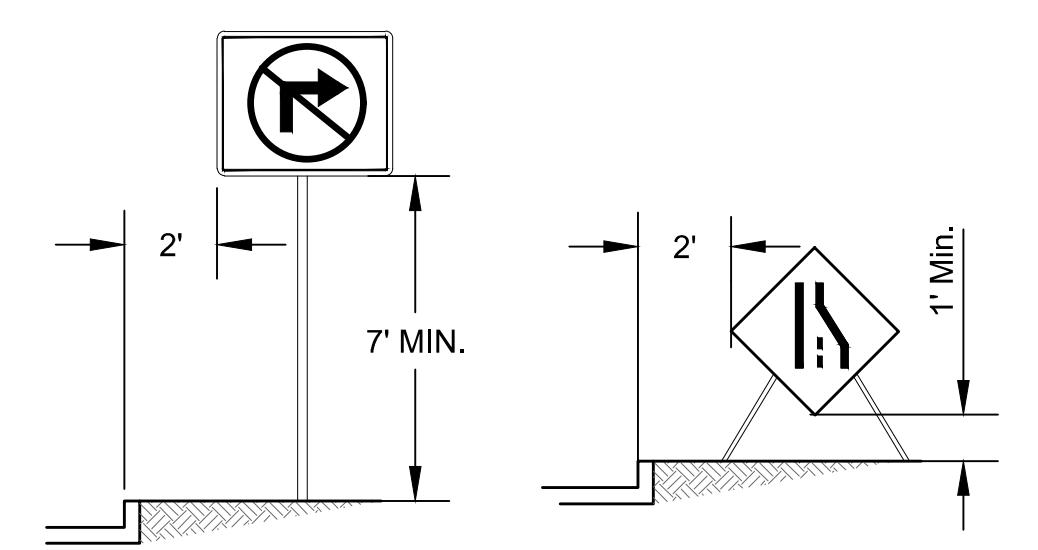


**DETECTABLE PEDESTRIAN BARRICADE/CHANNELIZER**

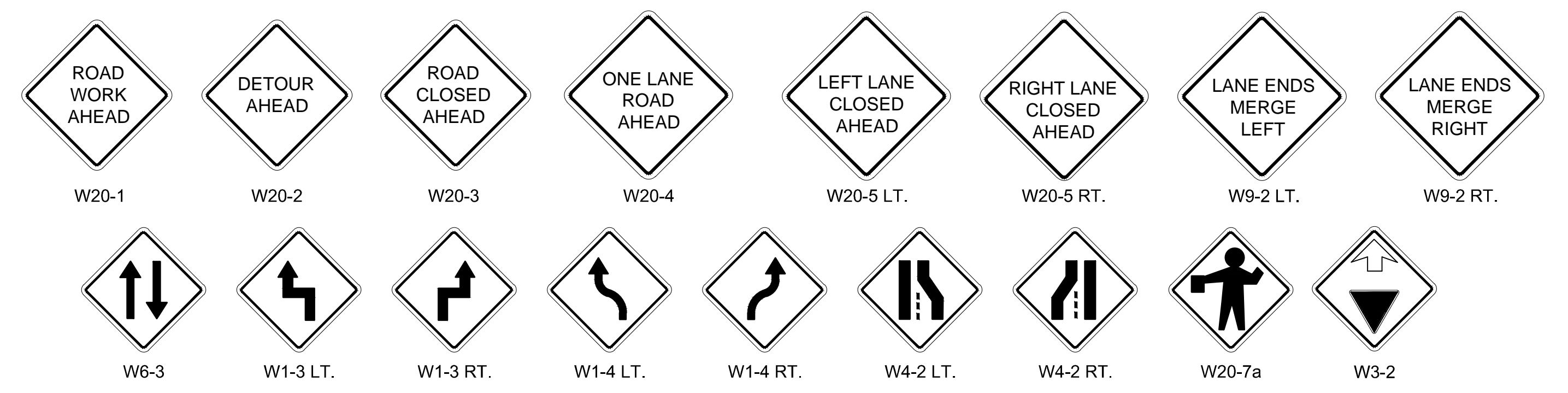
- NOTES:**
1. Barricades (Type 2 or 3) shall be used to close the entire width of the pathway.
  2. Do not use warning lights on pedestrian barricades or on audible devices.
  3. Upper rail shall be continuously smooth.
  4. Adjacent sections of barricades shall be interlocked together, and shall have the same base color (orange or yellow).
  5. Stripes are optional. As an alternate, the top rail may be orange and the bottom rail may be white.



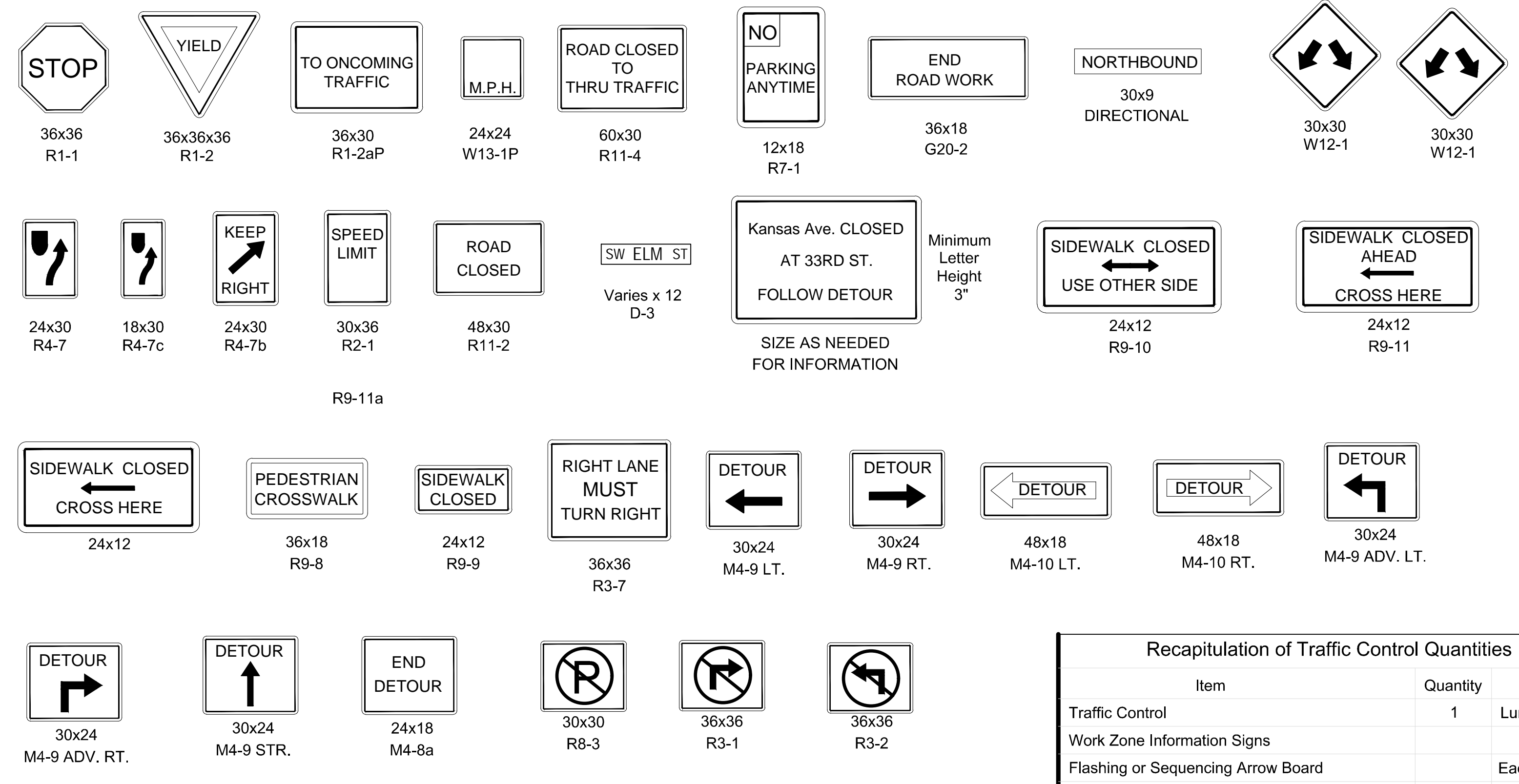
**CONICAL DELENEATOR**



**HEIGHT AND LOCATION OF SIGNS**



UNLESS OTHERWISE NOTED ALL WARNING SIGNS SHALL BE 36"x36"



Recapitulation of Traffic Control Quantities		
Item	Quantity	Unit
Traffic Control	1	Lump Sum
Work Zone Information Signs		Each
Flashing or Sequencing Arrow Board		Each Week
Portable Changeable Message Sign		Each Week
Temporary Traffic Signal		Lump Sum
Temporary Pavement Marking (*) (**) (***)		LF
Surface Drop off Treatment		LF

(\*) Type Pavement Marking: Type I, Type II, Masking  
(\*\*) Color  
(\*\*\*) Width

**Minimum Size:**  
Refer to Table 6F-1 of the most recent edition of MUTCD for minimum sizes of all Traffic Control Signs.

**TYPICAL TRAFFIC CONTROL SIGNS USED IN CITY PROJECTS**

NO.	DATE:	REVISION	SU	KRE
1	10/30/20	MAJOR REVISION		

DRAWN BY: Shoeb Uddin  
APP'D BY: Kristi Ericksen



STANDARD DETAILS  
DT - 121A

TRAFFIC CONTROL  
DEVICES AND RECAP OF QUANTITIES

DATE: 2026  
PAGE: 18 OF 18  
PROJECT: 501125.04