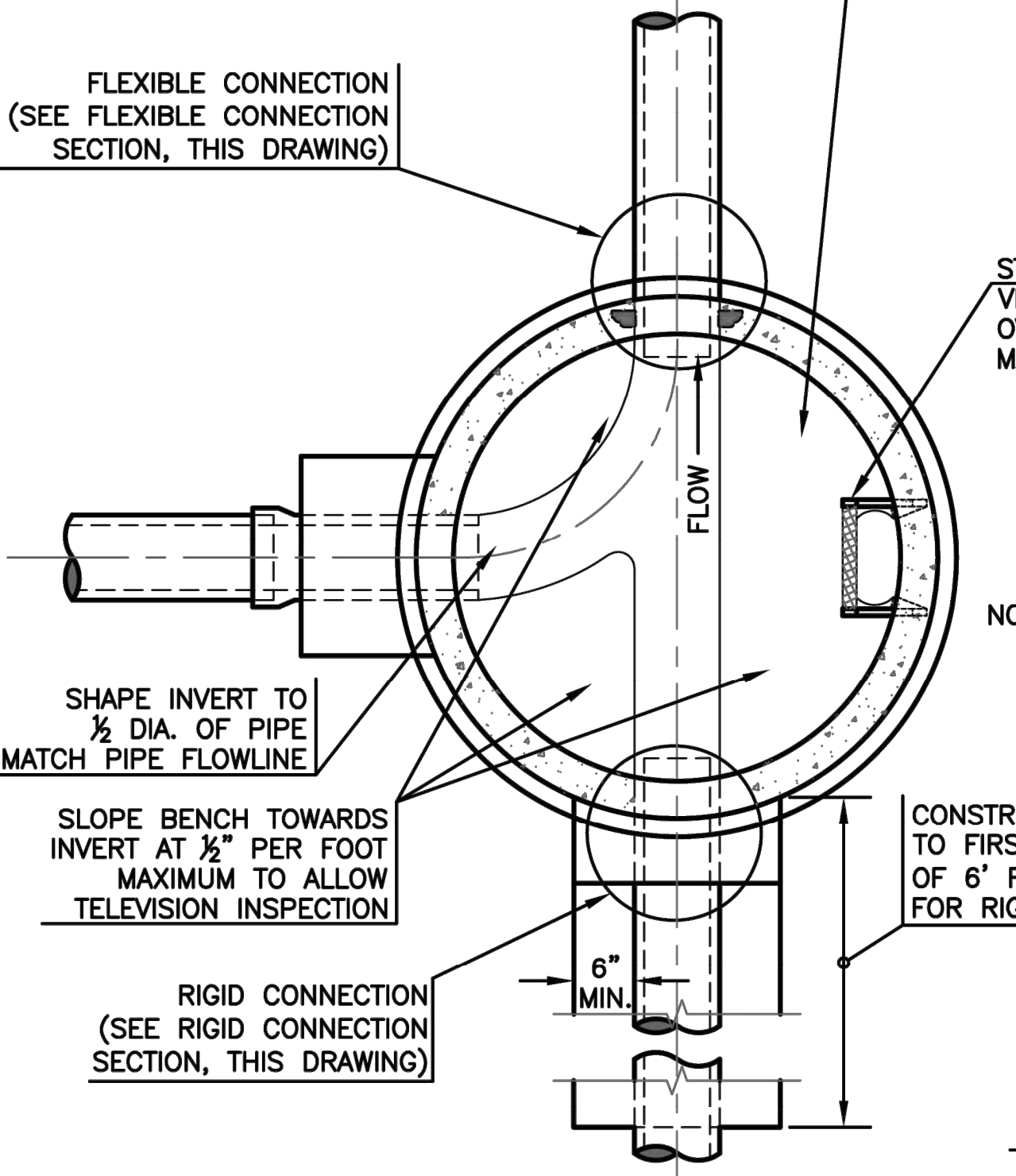


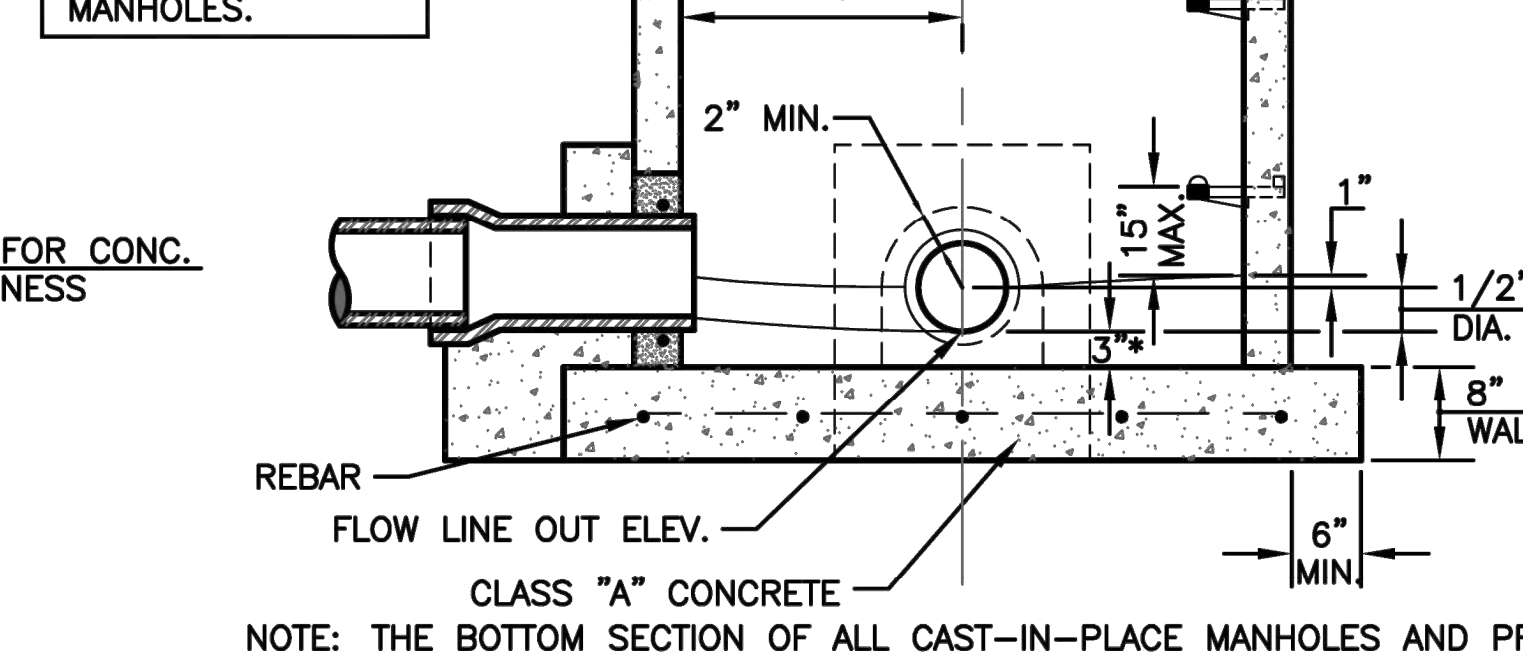
STANDARD MANHOLE TYPE II

PIPE CUT TO SECTION REQUIRED TO BE USED FOR CHANNEL THRU MANHOLE OR A NEATLY FORMED CHANNEL CONFORMING TO SECTION OF PIPE MAY BE USED.



MANHOLE BOTTOM PLAN

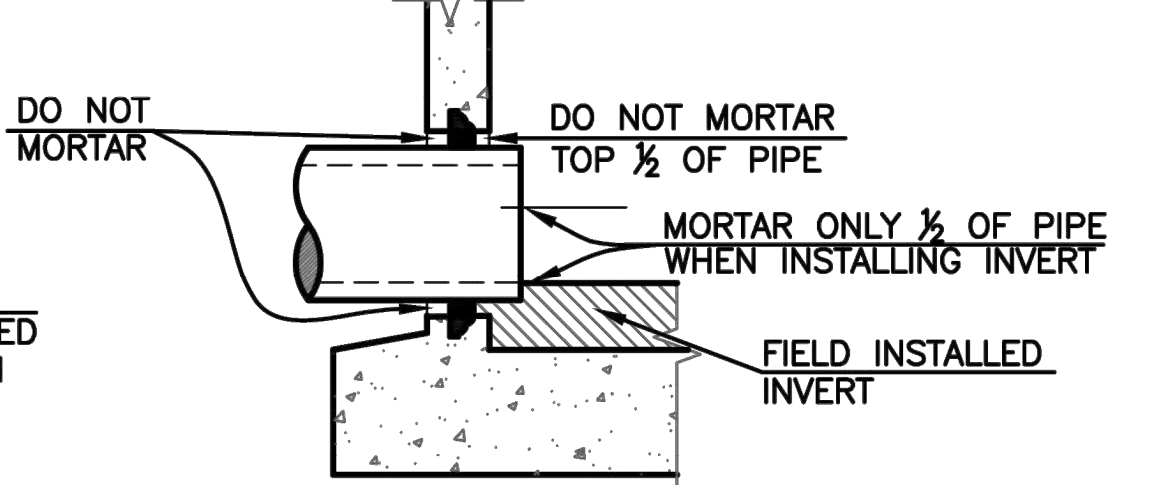
NOTE: DEADEND MANHOLES SHALL HAVE A POURED INVERT. MUST USE BOND BREAKER BETWEEN INVERT AND FLOOR.



NOTE: THE BOTTOM SECTION OF ALL CAST-IN-PLACE MANHOLES AND PRECAST MANHOLES NOT BUILT MONOLITHICALLY WITH THE BASE SHALL BE SET INTO A STEEL REINFORCED (#4 @ 12\"/>

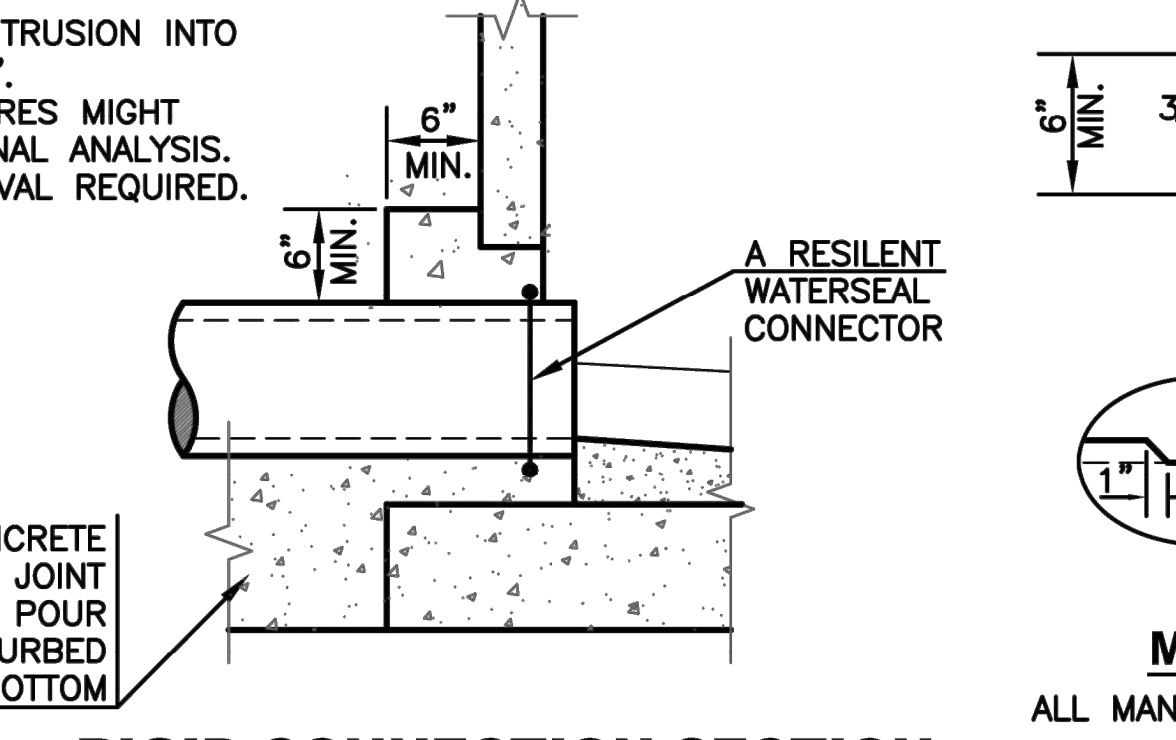
PRE-CAST STANDARD MANHOLE TYPE I

*THIS 3\"/>



FLEXIBLE CONNECTION SECTION

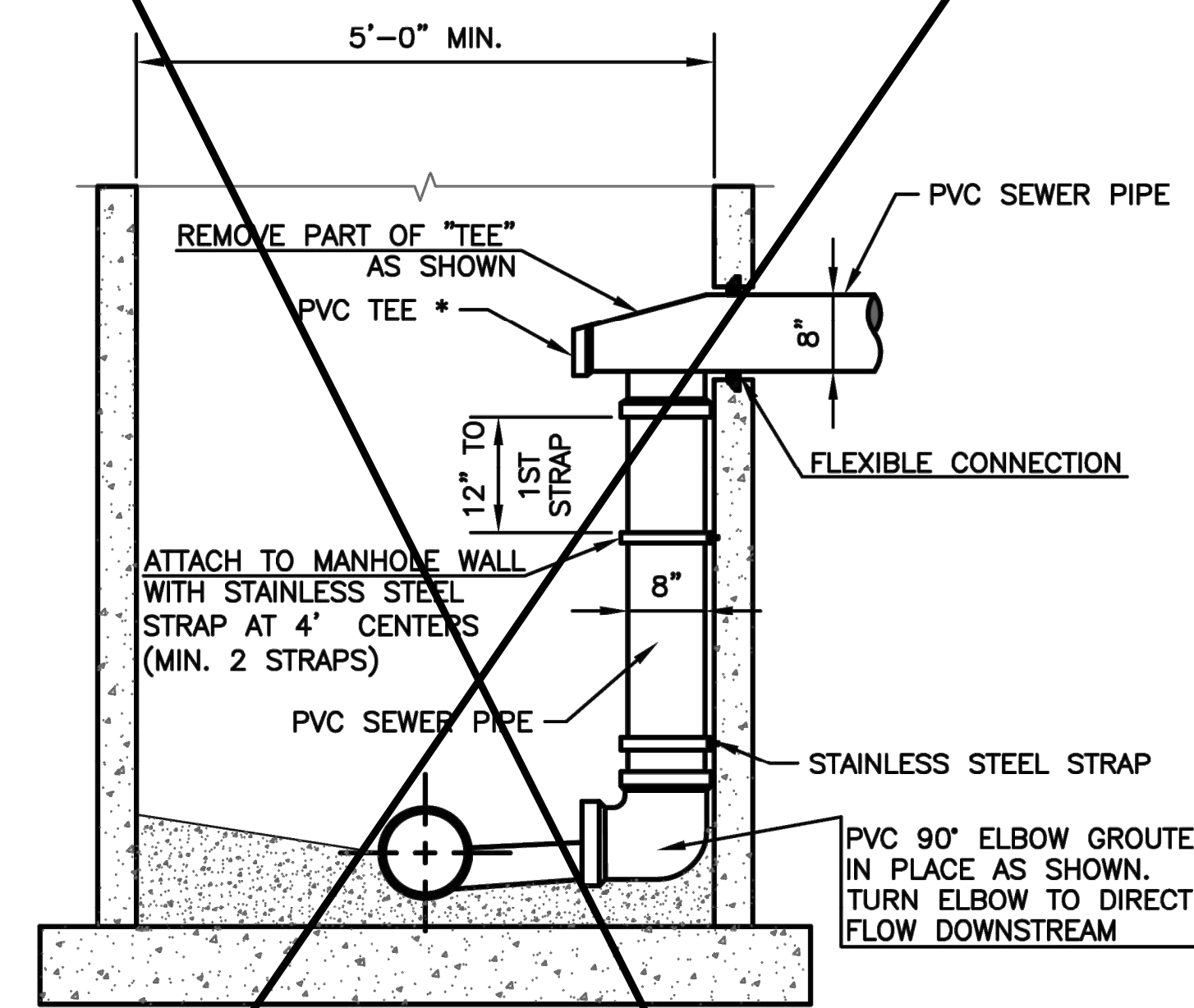
FLEXIBLE CONNECTIONS SHALL BE USED FOR ALL SEWER PIPE TYPES.



RIGID CONNECTION SECTION

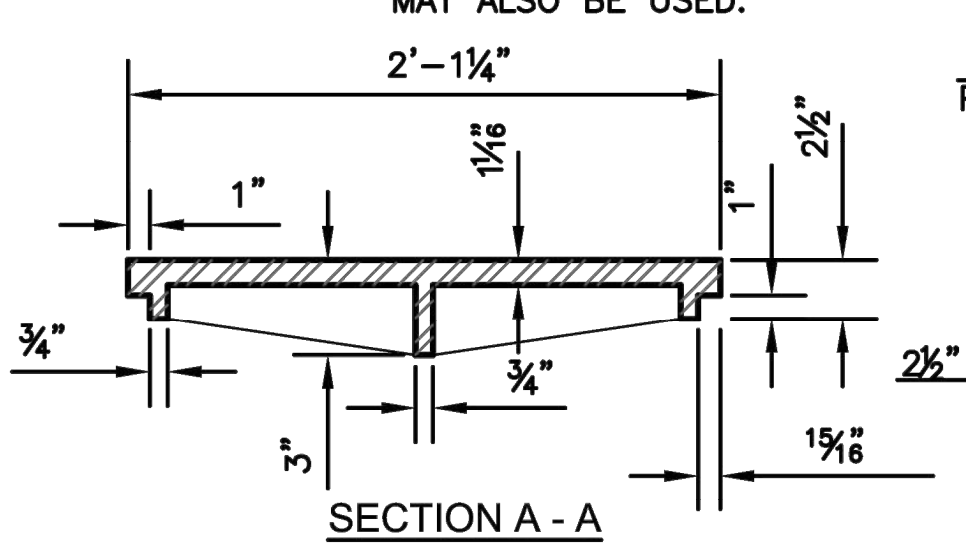
RIGID CONNECTIONS SHALL BE USED FOR CERTAIN EXISTING MANHOLE CONNECTIONS AT ENGINEER'S DISCRETION.

NOTES:
 1. STAINLESS STEEL STRAPS (11 GAUGE - .1196\"/>

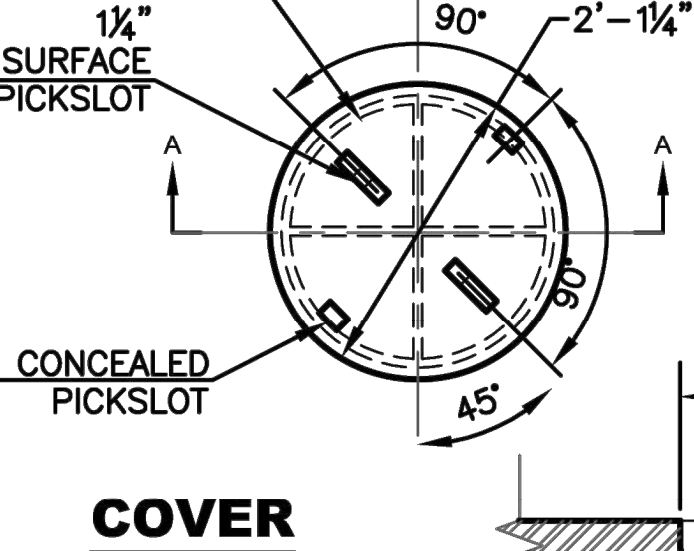


INSIDE DROP-TYPE A

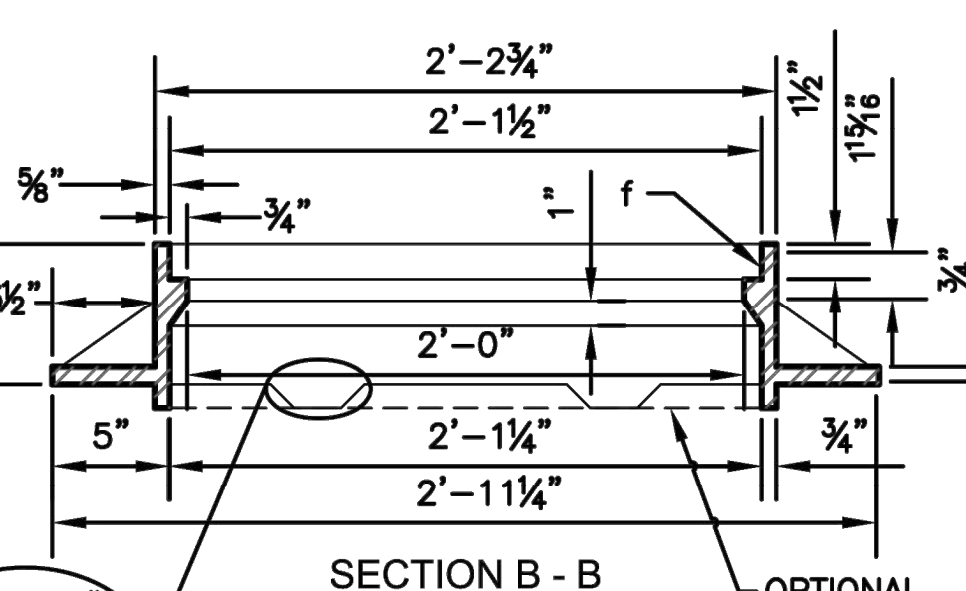
NOTE: INSIDE DROP-TYPE A IS REQUIRED WHEN FLOWLINE IN AND FLOWLINE OUT ELEVATIONS DIFFER BY 1.0' OR MORE. A BOWL SYSTEM BY RELINER/DURAN INC. MAY ALSO BE USED.



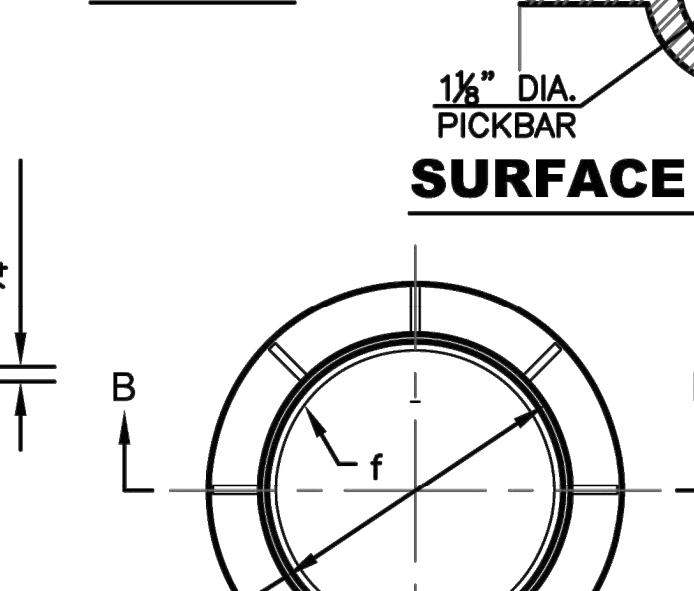
SECTION A - A



COVER



SECTION B - B



SURFACE PICKSLOT



RING

MANHOLE CONSTRUCTION NOTES

ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
 TOP OF 8\"/>

DETAIL OF MANHOLE CASTINGS

CASTINGS SHALL CONFORM TO THE REQUIREMENTS OF \"SPECIFICATIONS FOR GRAY IRON CASTINGS\" IN ACCORDANCE WITH A.S.T.M. A 48, CLASS 35B.

MINIMUM TENSILE STRENGTH OF EACH CASTING SHALL BE AT LEAST 30,000 PSI.

AVERAGE WT. COVER 185 LBS., RING 220 LBS. VARIATION IN WEIGHT WILL NOT EXCEED THE SPECIFIED WEIGHTS BY MORE THAN 4%.

CASTINGS ARE TO BE MANUFACTURED TRUE TO PATTERN AND WITH SATISFACTORY FIT OF COMPONENT PARTS. CASTINGS SHALL BE FREE OF DEFECTS. DIMENSIONS AS DETAILED ON PLAN SHALL NOT DEVIATE BY MORE THAN 1/16\"/>

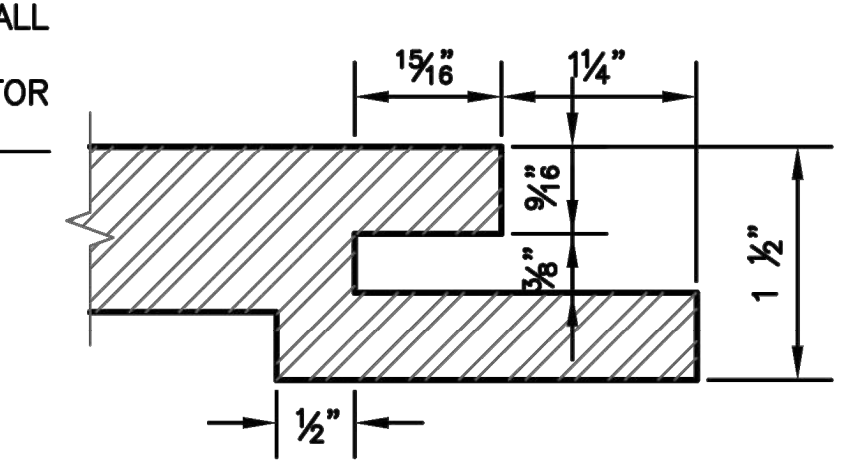
SEATING SURFACES OF CASTINGS SHALL BE MACHINED AS REQUIRED TO PREVENT ROCKING.

ALL CASTINGS SHALL BE FURNISHED IN BARE METAL AND SHALL HAVE MANUFACTURER'S NAME CAST INTO CASTING.

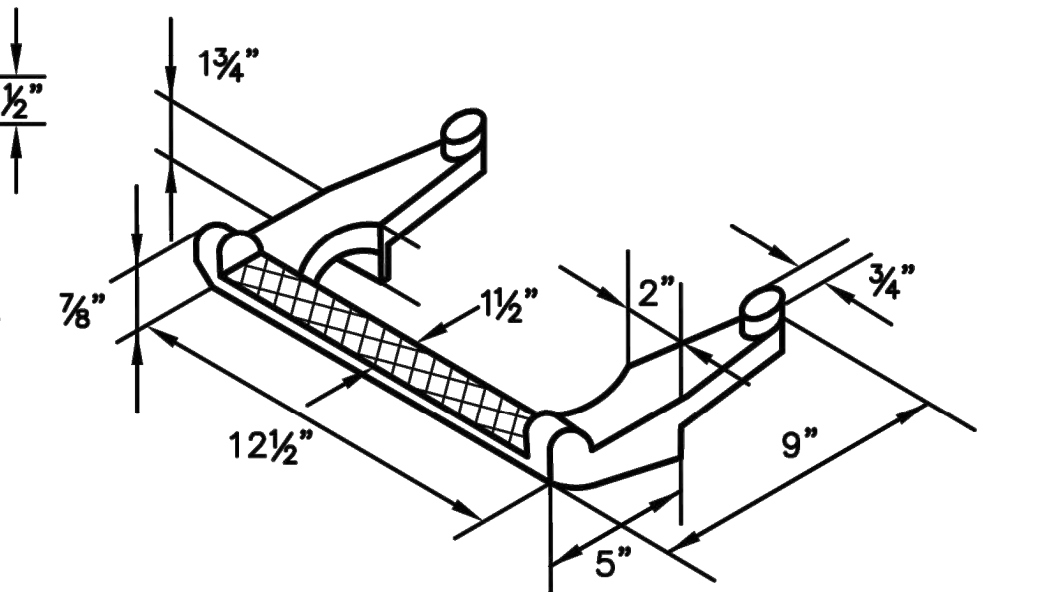
CASTINGS SHALL CONFORM TO THE PROVISIONS OF UNITED STATES CUSTOMS REGULATIONS. CASTING MANUFACTURER SHALL CARRY AT LEAST \$3,000,000 PRODUCT LIABILITY INSURANCE.

TO INSURE CONFORMANCE TO TENSILE STRENGTH REQUIREMENTS, THE FOLLOWING PROCEDURE WILL BE FOLLOWED FOR EACH LOT OF CASTINGS USED ON CITY OF TOPEKA PROJECTS.

- A. ALL CASTINGS SHALL BE JULIAN HEAT DATED.
- B. TWO TEST BAR SPECIMENS MUST BE POURED WHEN PRODUCING CITY OF TOPEKA CASTINGS. TEST BAR SPECIMENS SHALL BE DELIVERED TO PURCHASER.
- C. TEST REPORT FROM A CITY APPROVED INDEPENDENT LABORATORY VERIFYING TENSILE STRENGTH CHEMISTRY OR BRINELL HARDNESS SHALL ACCOMPANY EACH SHIPMENT OF CASTINGS. IF REQUESTED TEST REPORT SHALL BE PAID FOR BY THE SUPPLIER. THE HEAT DATE(S) ON CASTINGS SHALL CORRESPOND TO THE TENSILE STRENGTH REPORT(S).



CONCEALED PICKSLOT DETAIL



DETAIL OF CAST IRON MANHOLE STEP

(FOR PRECAST MANHOLE TO BE USED IN STORM SEWER SYSTEMS ONLY)

VESTAL MANUFACTURING NO. 918-P, CLAY AND BAILEY NO. 2115, NEEHAH NO. R-1981-1 OR EQUAL AS FURNISHED BY MANUFACTURER OF PRECAST MANHOLE.

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.

NO.	DATE:	REVISION	BY:	APP'D
5	June 2018	Ext pipe into Mhs, Added max intr note	DHS JVH	
4	March 2014	Added rebar to cast-in-place base dwg	DHS JH	
3	March 2013	Cleaned up text at Pre-Cast MH detail	DHS SB	
2	Dec. 2009	Mod. drop notes & added Storm. to MH	DHS SB	
1	Feb. 2008	Mod. MH Bot. Plan, Rigid Sect. & Inside Dr.	DHS SB	

DRAWN BY: *m/mc*
 APP'D BY: *R. Christy*



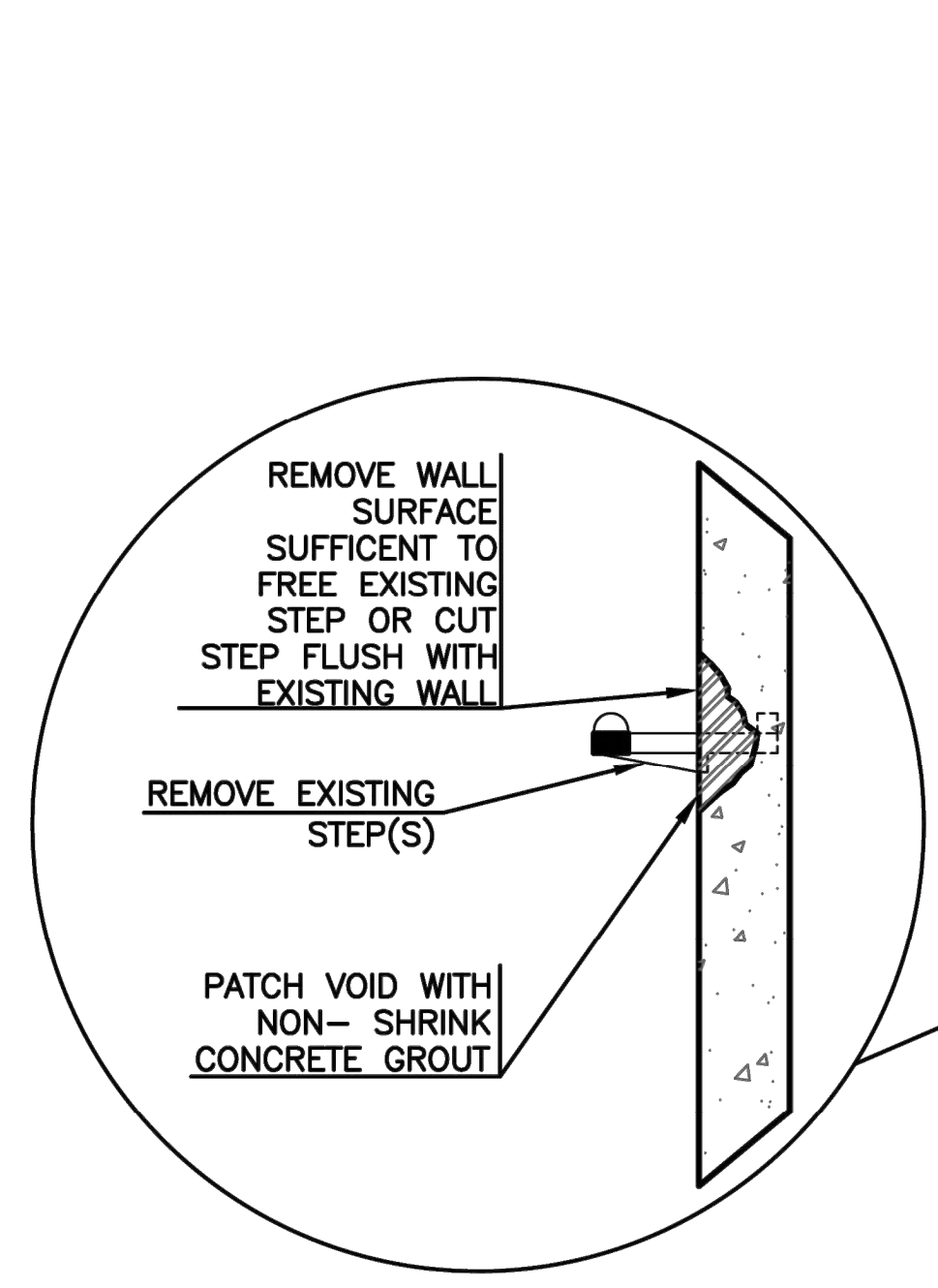
SHAWNEE COUNTY, KANSAS
PUBLIC WORKS DEPARTMENT
 1515 NW SALINE
 TOPEKA, KS 66618
 (785) 233-7702



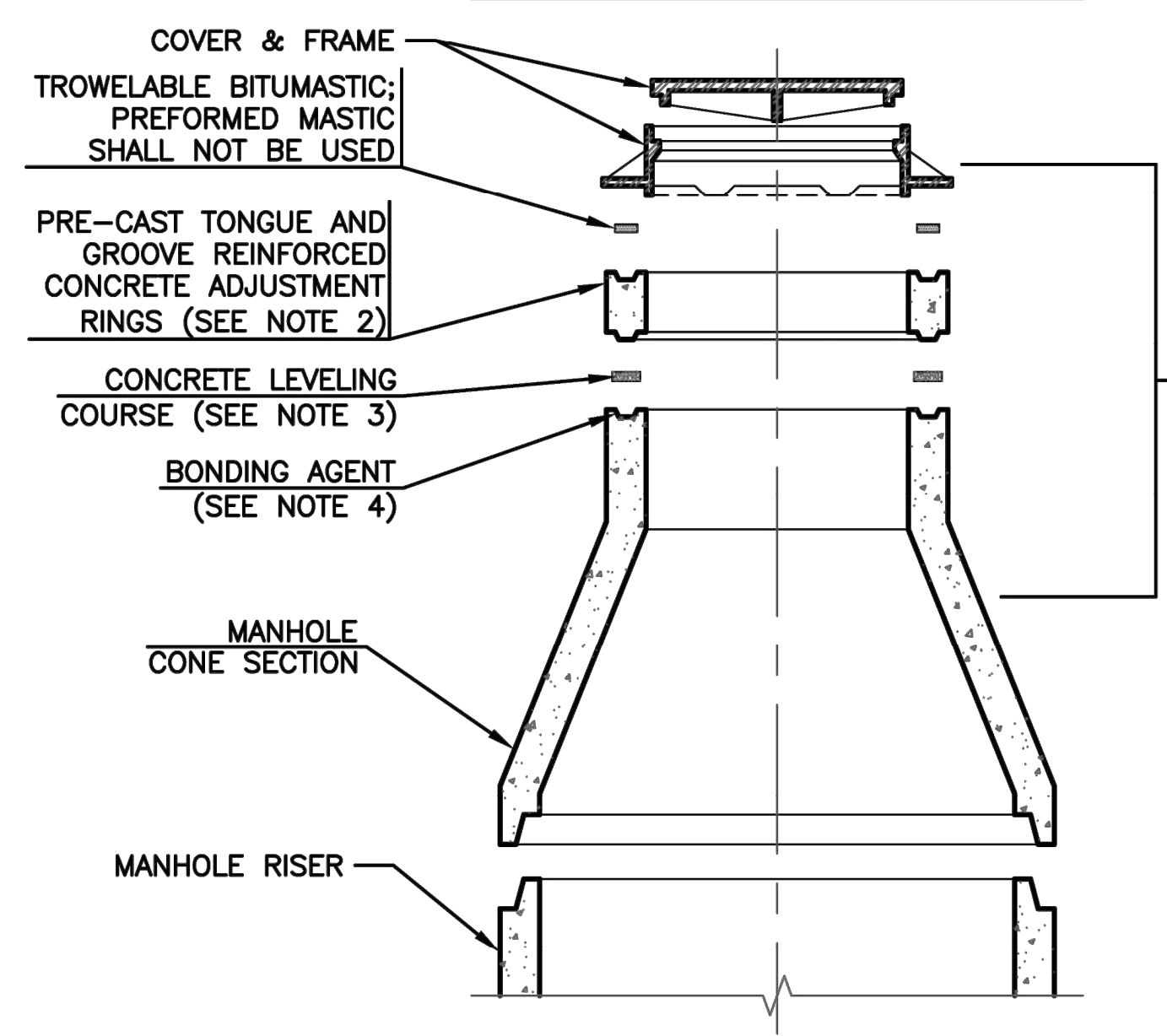
STANDARD DETAILS

STANDARD MANHOLE DETAILS
 (DT-005)

DATE: APRIL 2026
 SHEET: 23
 PROJ.: 250987-000



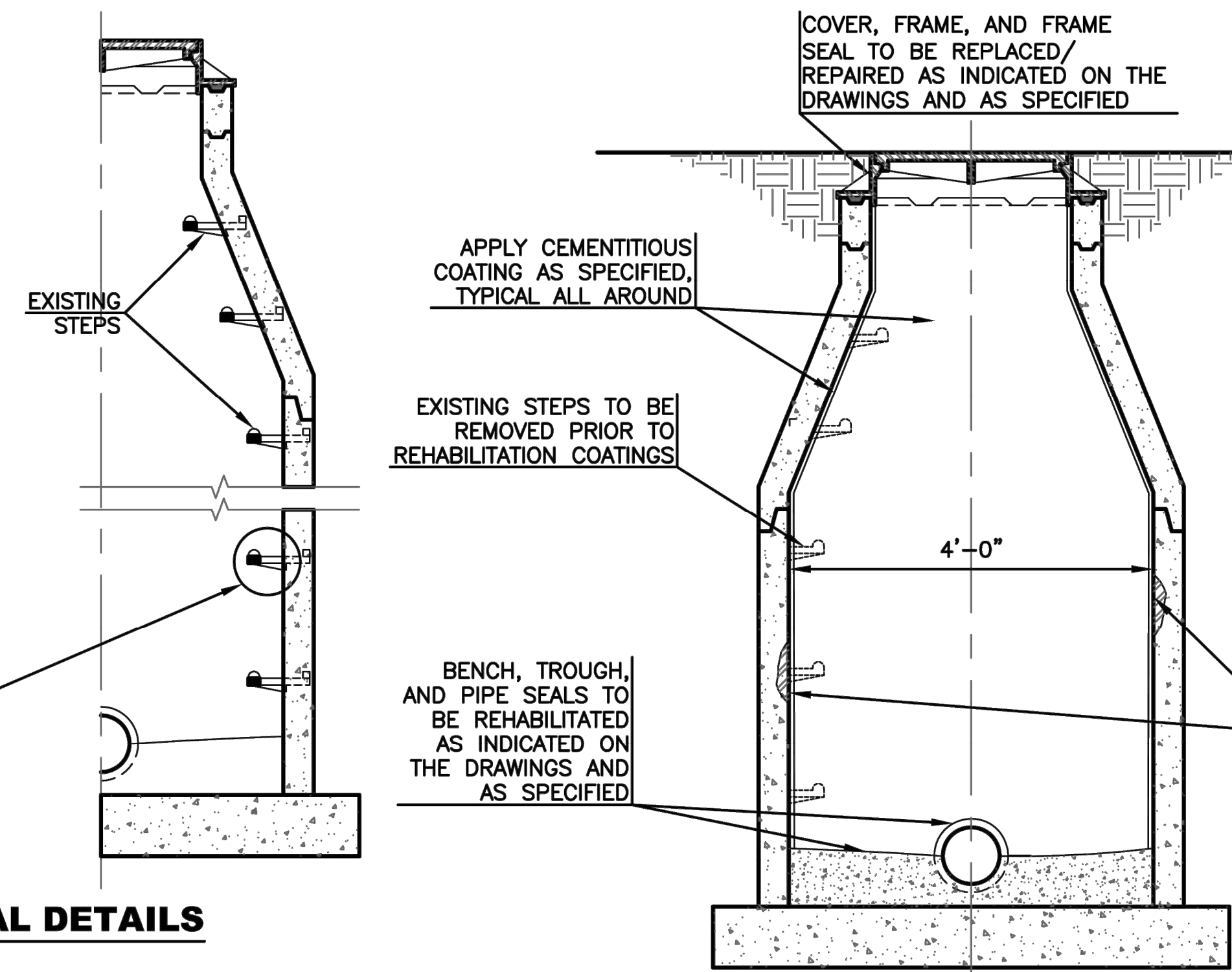
STEP REMOVAL DETAILS



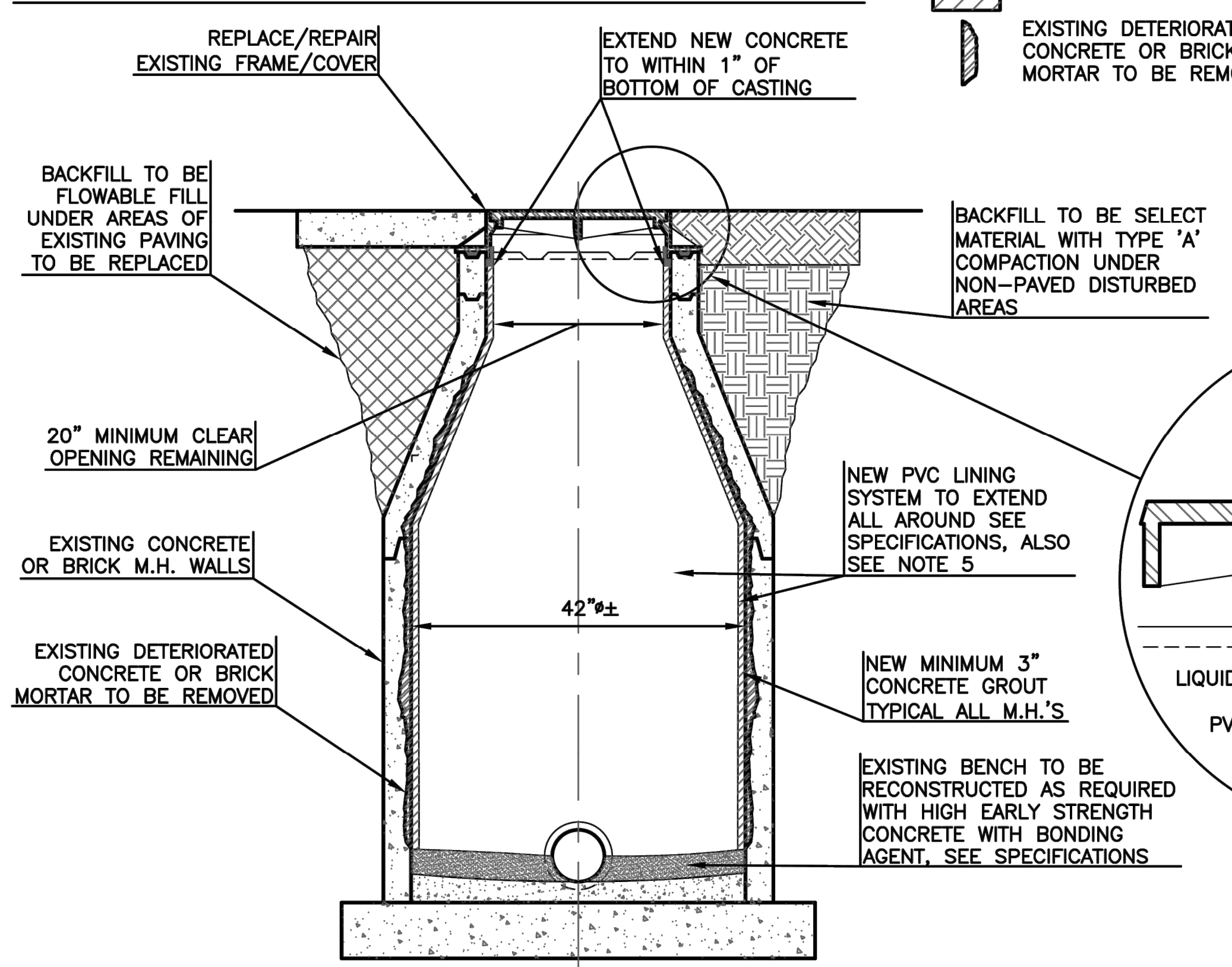
COVER, FRAME, FRAME SEAL, GRADE ADJUSTMENT DETAILS

NOTES:

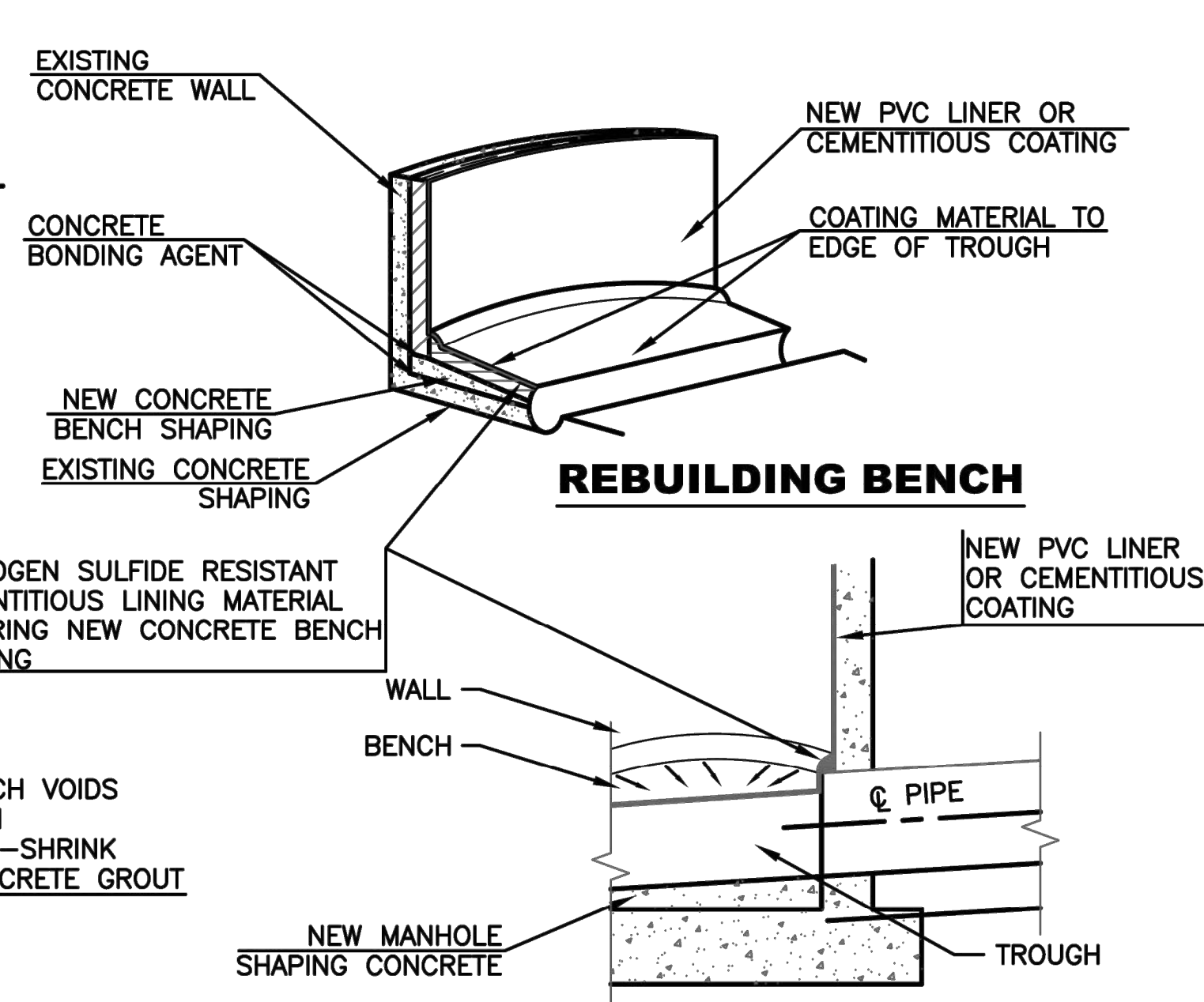
- FOR COLD OR WET WEATHER CONDITIONS, USE TNEMEC 465 BLACK, SERIES 46, H.B. TNEMECOL.
- IF MULTIPLE RINGS ARE USED, BITUMASTIC SEALER SHALL BE USED BETWEEN RINGS.
- ALL LEVELING FOR SLOPED STREETS OR GRADES SHALL BE ACCOMPLISHED WITH THE CONCRETE LEVELING COURSE. BITUMASTIC SHALL NOT BE USED TO ACCOMPLISH LEVELING.
- CONCRETE BONDING AGENT SHALL BE 'WELD-CRETE' (R) BY LARSEN PRODUCTS CORP. OF JESSUP, MD., OR EQUAL.
- OVERLAPPING OR OPEN JOINTS WHERE 2 SHEETS OF PVC MEET, OR WHERE PVC HAS BEEN CUT, SHALL HAVE HEAT FUSION WELD STRIPS APPLIED.



DETAIL OF REHABILITATION WITH CEMENTITIOUS COATING ON 4' DIAMETER EXISTING MANHOLES



DETAIL OF MANHOLE REHABILITATION WITH CAST-IN-PLACE CONCRETE AND PVC LINER ON 4' DIAMETER EXISTING MANHOLES

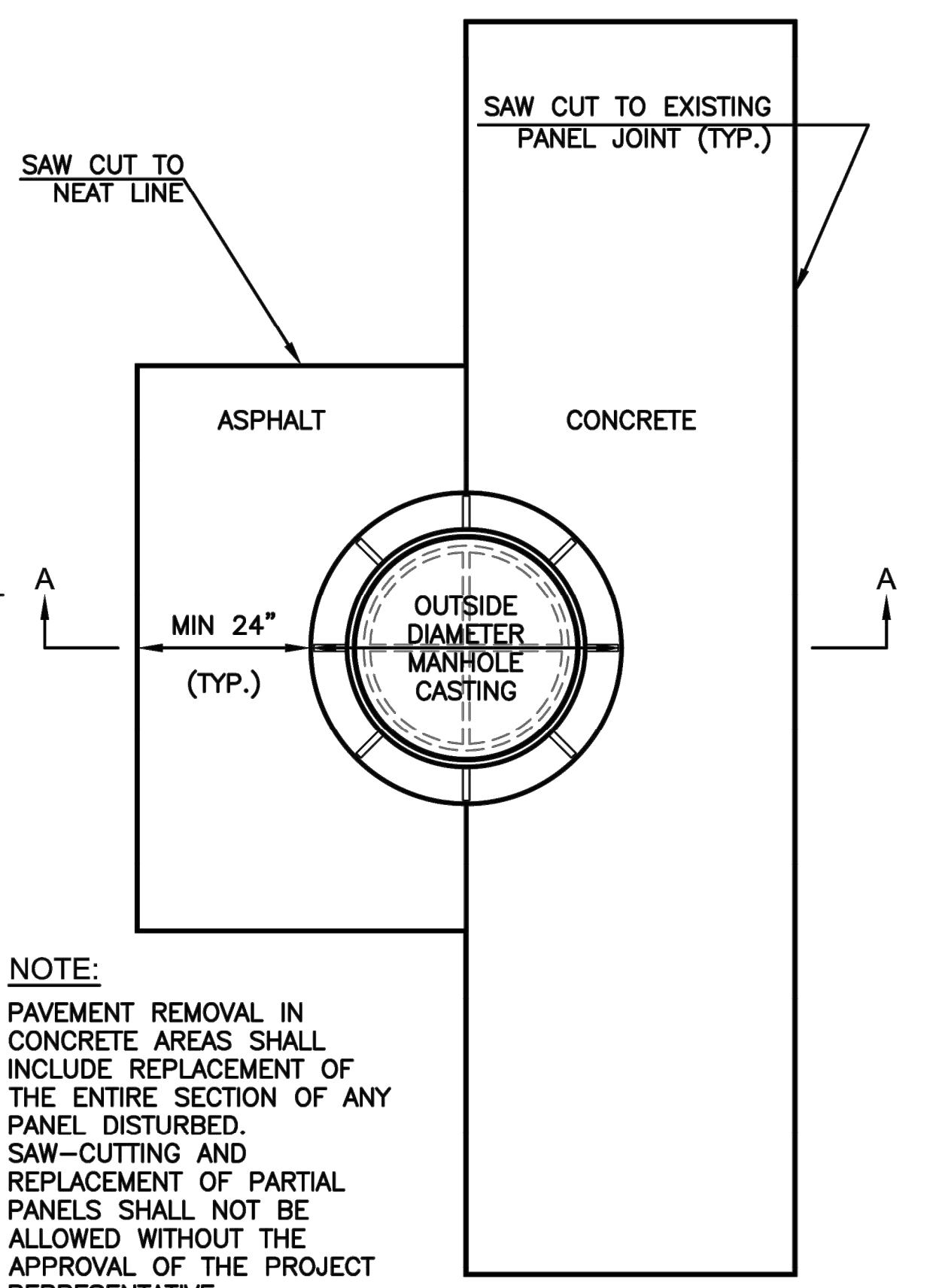


REBUILDING BENCH

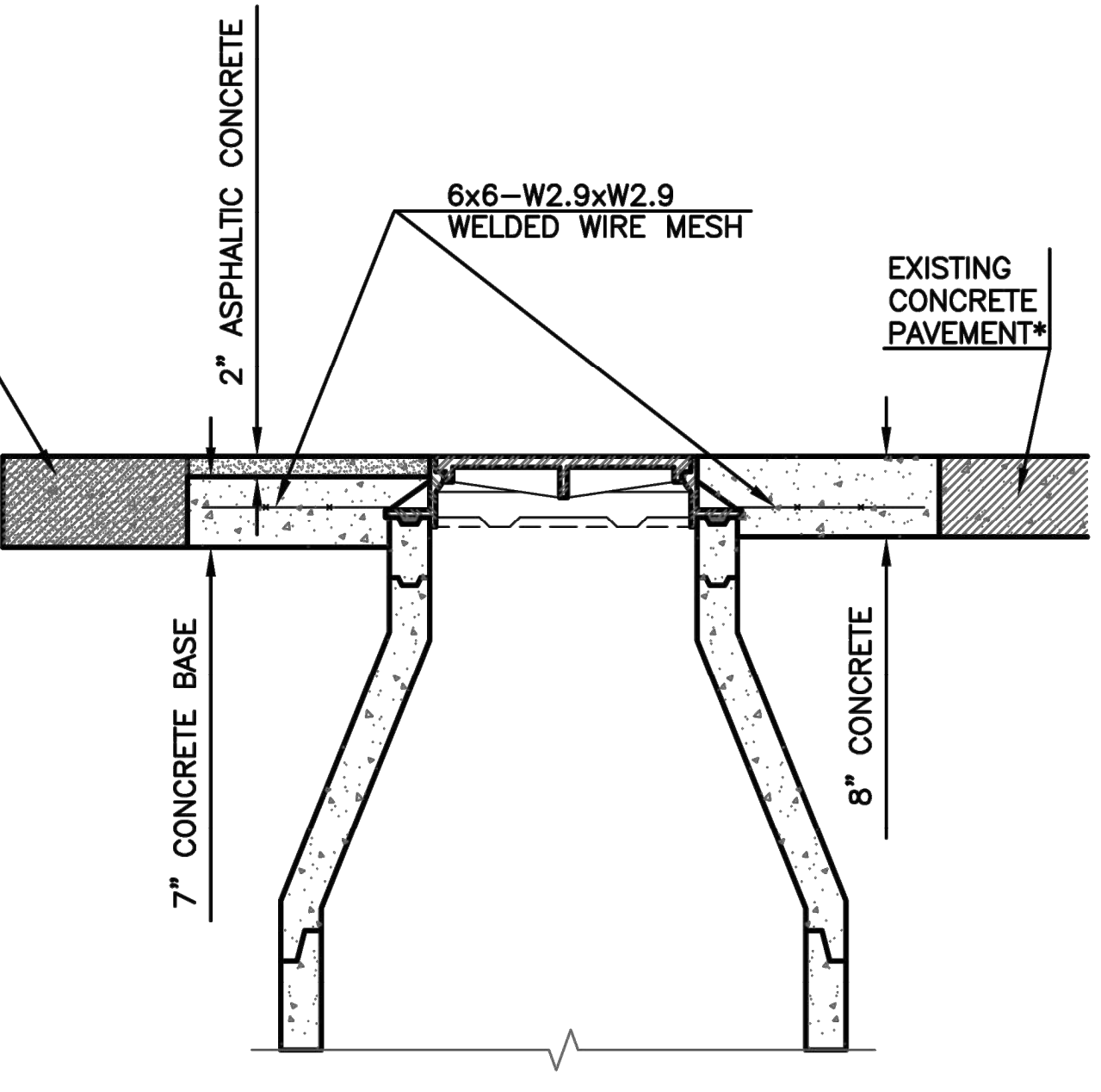
REPAIR BENCH / TROUGH / PIPE SEAL DETAILS

LEGEND

- LIQUID EPOXY
- CAST-IN-PLACE CONCRETE
- EXISTING DETERIORATED CONCRETE OR BRICK MORTAR TO BE REMOVED
- SELECT MATERIAL WITH TYPE 'A' COMPACTION
- COMPACTED TOPSOIL
- FLOWABLE FILL



PLAN VIEW



SECTION A-A

PAVEMENT REMOVAL AND REPLACEMENT DETAILS

* ANY EXISTING PANEL OF CONCRETE PAVEMENT PARTIALLY REMOVED OR DISTURBED DURING CONSTRUCTION ACTIVITIES SHALL BE COMPLETELY REMOVED AND REPLACED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND/OR TYPICAL CITY/COUNTY STANDARD SPECIFICATIONS.

NO.	DATE:	Update REVISION	DHS BY:	SB APP'D
1	Feb. 2008			

DRAWN BY: *m/mc*
 APP'D BY: *R. Clumley*



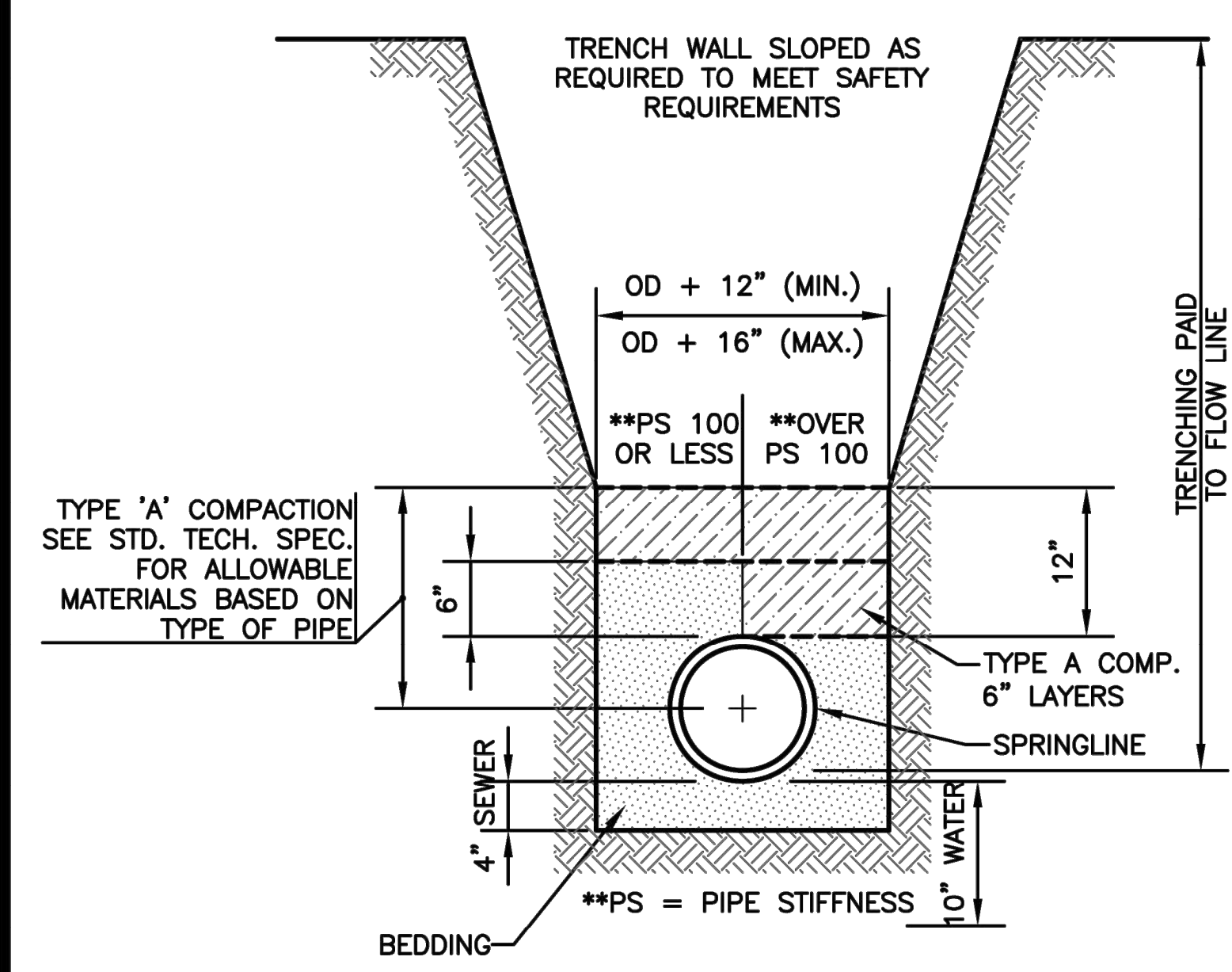
SHAWNEE COUNTY, KANSAS
PUBLIC WORKS DEPARTMENT
 1515 NW SALINE
 TOPEKA, KS 66618
 (785) 233-7702



STANDARD DETAILS

MANHOLE REHABILITATION DETAILS
 (DT-006)

DATE: APRIL 2026
 SHEET: 24
 PROJ.: 250987-000



TRENCHING DETAILS

STANDARDS FOR SETTING LINE AND GRADE FOR SEWER & WATER CONSTRUCTION:

1. STAKES, SPIKES, SHINERS, OR CROSSES SET BY TRANSIT AT THE SURFACE ON AN OFFSET FROM THE SEWER CENTER LINE.
2. STAKES ARE TO BE SET IN THE TRENCH BOTTOM ON THE SEWER LINE AS THE ROUGH GRADE FOR SEWER IS COMPLETED.
3. ELEVATIONS GIVEN FOR THE FINISHED TRENCH GRADE AND SEWER INVERT, WHILE SEWER LAYING PROGRESSES.

INSTALLATION OF SEWER UNDER EXISTING PAVEMENT

STANDARD METHODS FOR TRANSFERRING LINE AND GRADE TO SEWER TRENCH BOTTOM:

1. ELECTRONIC LASER EQUIPMENT—STAKING SHALL BE AT 25' INTERVALS FOR THE FIRST 100' AND EVERY 100' THEREAFTER UNTIL THE NEXT MANHOLE IS REACHED.
2. BATTER BOARDS AND BATTER BOARD SUPPORTS—STAKING SHALL BE EVERY 25'.

PAVEMENT PLACEMENT SCHEDULE

SCHEDULE TO BE USED UNLESS OTHERWISE NOTED ON PLANS.

ORIGINAL SURFACE	NEW PAVEMENT
CONCRETE	8" REINFORCED CONCRETE 4,000psi
BRICK OVER CONCRETE	7" REINFORCED CONC.BASE 4,000psi PLUS ONE-COURSE RELAID BRICK.
ASPHALT	MATCH EXISTING PAVEMENT THICKNESS WITH A MINIMUM OF 6" HOT-MIX ASPHALTIC CONCRETE.
ASPHALT OVER CONCRETE	7" REINFORCED CONCRETE BASE 4000 psi PLUS 2" HOT MIX ASPHALTIC CONCRETE. 7" REINFORCED CONCRETE BASE SHALL BE JOINED TO ADJACENT PAVEMENT. SEE "FULL PANEL REPAIR & UTILITY CUTS FOR CONCRETE PAVEMENT" DETAIL AS SHOWN ON MISCELLANEOUS DETAILS I (DT-017). THE WEARING SURFACE WILL CONFORM TO CITY/COUNTY STANDARD SPECIFICATIONS.
BRICK OVER BRICK/SUBGRADE	7" HOT-MIX ASPHALTIC CONCRETE PLUS ONE-COURSE RE-LAID BRICK.

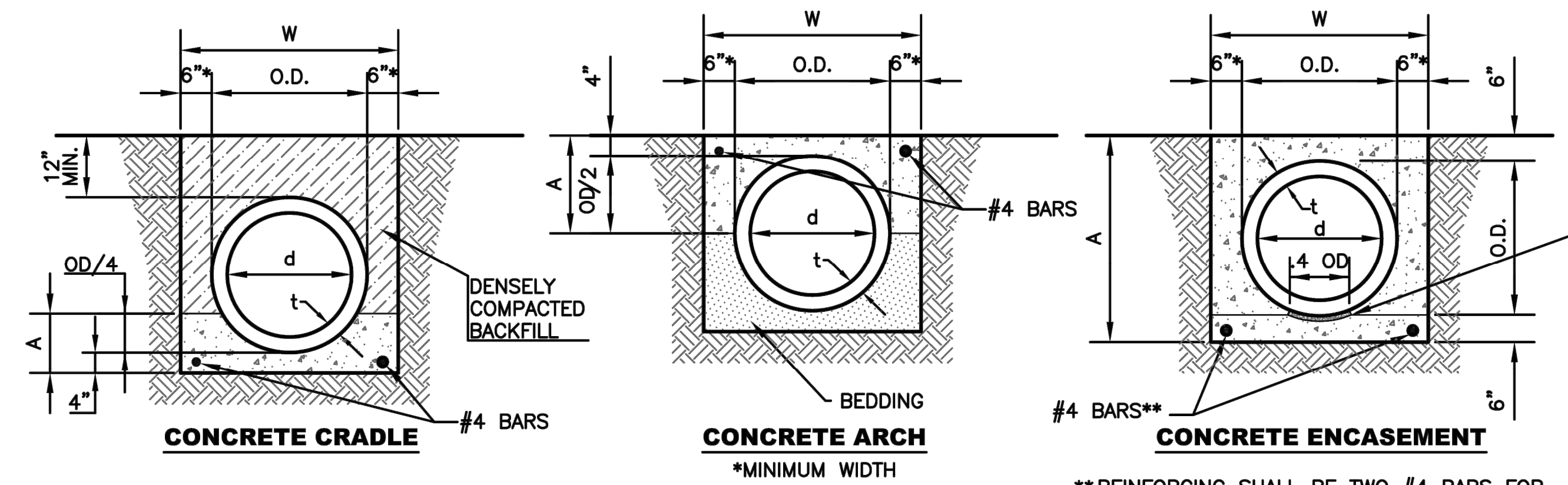
PAVEMENT SHALL BE SAWS AND REMOVED WITHOUT DAMAGE TO ADJACENT PAVEMENT.

* SECOND PAVEMENT CUT TO BE MADE AND PAVEMENT REMOVED AFTER TRENCH IS PROPERLY BACKFILLED.

** CONCRETE PAVEMENT SHALL BE JOINED TO ADJACENT CONCRETE PAVEMENT AS PER "FULL PANEL REPAIR AND UTILITY CUTS FOR CONCRETE PAVEMENT" AS SHOWN ON MISCELLANEOUS DETAILS I (DT-017).

NOTES:

1. THE TRENCH SHALL BE EXCAVATED TO 4" BELOW BOTTOM OF THE PIPE BARREL & BACKFILLED AS SHOWN ABOVE WITH AN APPROVED BEDDING MATERIAL.
2. WHEN THE SEWER IS TO BE INSTALLED IN ROCK, THE TRENCH IS TO BE EXCAVATED TO A MINIMUM DEPTH OF 4" BELOW THE BOTTOM OF THE PIPE AND BACKFILLED IN 6" COMPACTED LAYERS WITH AN APPROVED BEDDING MATERIAL AS SHOWN. THE ROCK EXCAVATED TO BE PAID AS A SEPARATE BID ITEM. THE EMBEDMENT, IN ALL CASES, TO BE INCLUDED IN THE PRICE BID PER TRENCH, EXCAVATION, AND BACKFILL.



d	O.D.	t	W	CRADLE		ARCH		ENCASE.	
				IN.	CY/FT	IN.	CY/FT	IN.	CY/FT
8	9.50	.750	24	6.4	.036	8.8	.039	21.5	.102
10	11.75	.875	24	6.9	.038	9.9	.047	23.8	.117
12	14	1.00	26	7.5	.043	11.0	.054	26.0	.134
15	17.5	1.25	29.5	8.4	.051	12.8	.066	29.5	.162
18	21	1.50	33	9.3	.061	14.5	.078	33.0	.191
21	24.5	1.75	36.5	10.1	.071	16.3	.093	36.5	.222
24	28	2.00	40	11.0	.085	18.0	.106	40.0	.256
27	31.5	2.25	43.5	11.9	.095	19.8	.121	43.5	.286
30	35	2.50	47	12.8	.106	21.5	.136	47.0	.321
36	41.5	2.75	53.5	14.4	.129	24.8	.167	53.5	.388

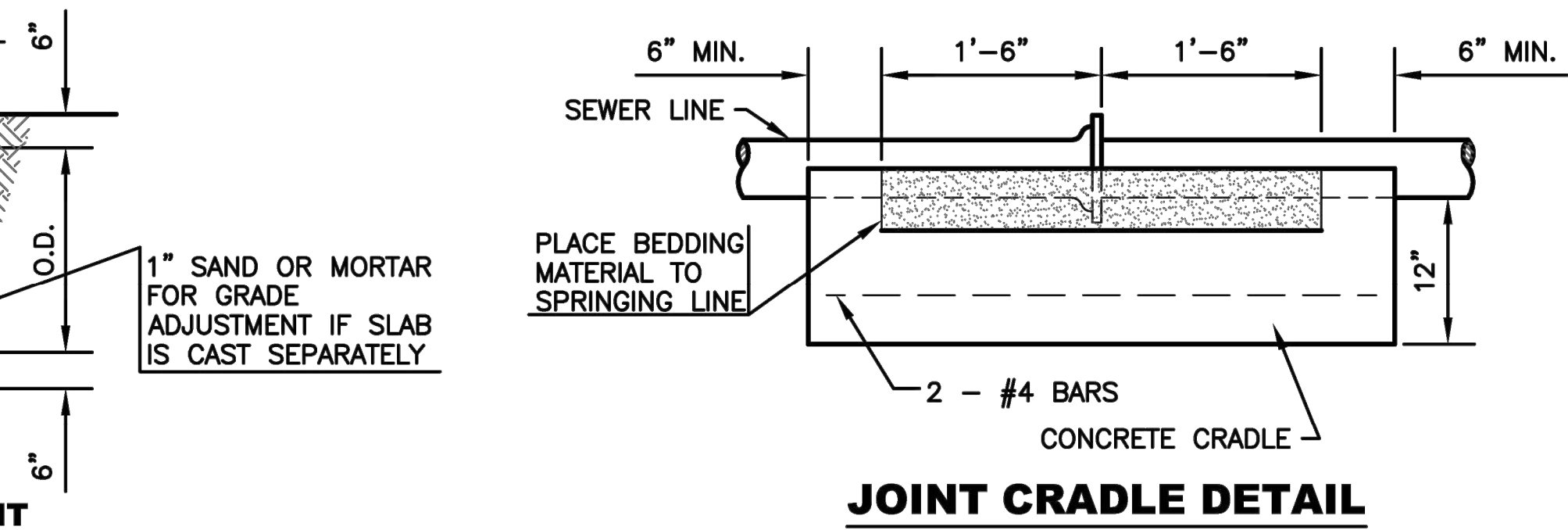
SCHEDULE FOR CONCRETE CRADLE, CONCRETE ARCH AND CONCRETE ENCASEMENT FOR SANITARY SEWERS
NOTE: MIN. 2500 PSI CONCRETE USED FOR CRADLING.

NOTE: MAXIMUM PIPE INTRUSION INTO STRUCTURE IS 4". UNIQUE STRUCTURES MIGHT REQUIRE ADDITIONAL ANALYSIS. ENGINEER APPROVAL REQUIRED.

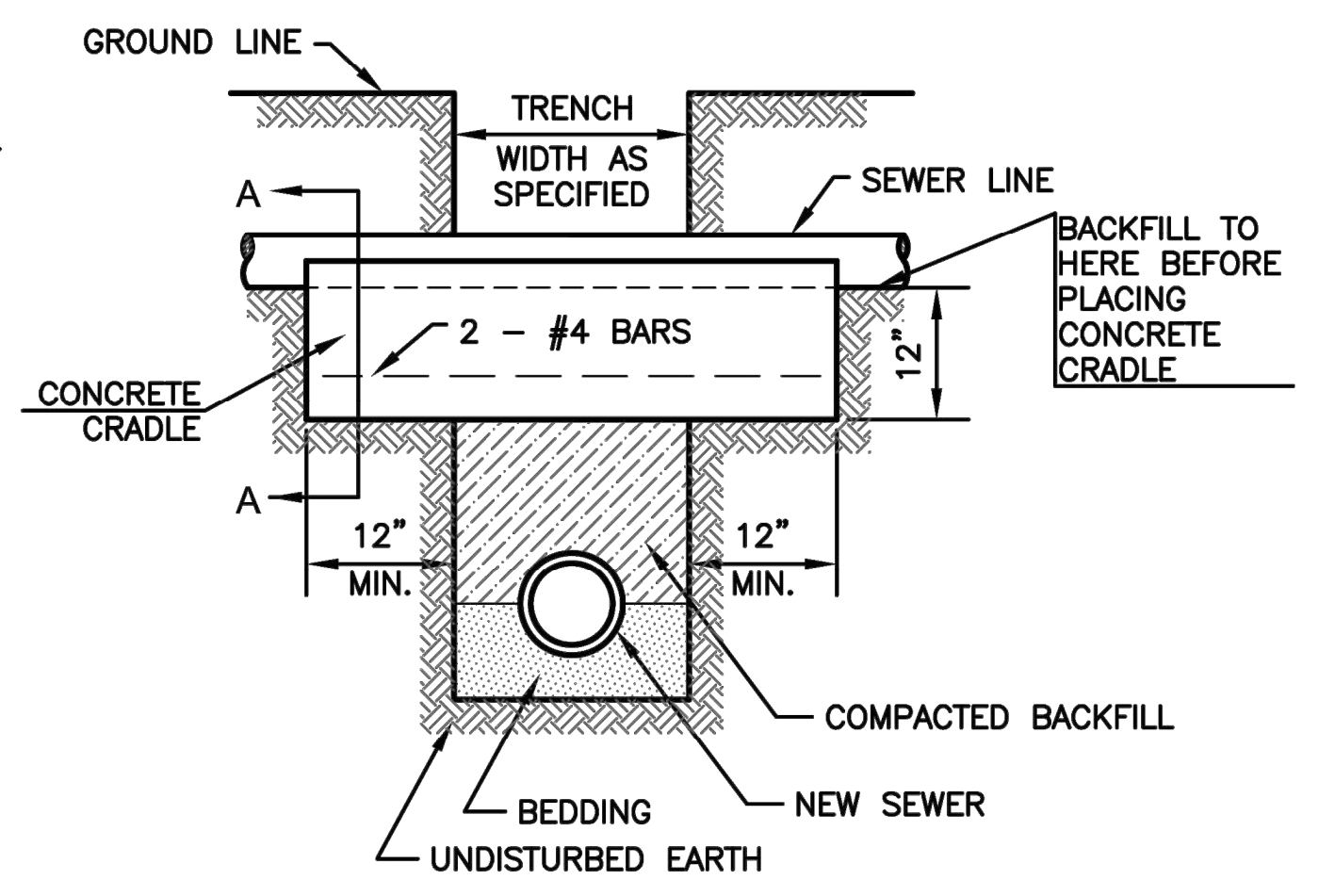
** REINFORCING SHALL BE TWO #4 BARS FOR PIPE UP TO 8" DIA; FOUR #4 BARS FOR 10" THROUGH 24" DIA; AND AS APPROVED BY THE ENGINEER FOR LARGER THAN 24" DIA.

INSTALL APPROVED PLUGGING DEVICE AT PROPERTY LINE

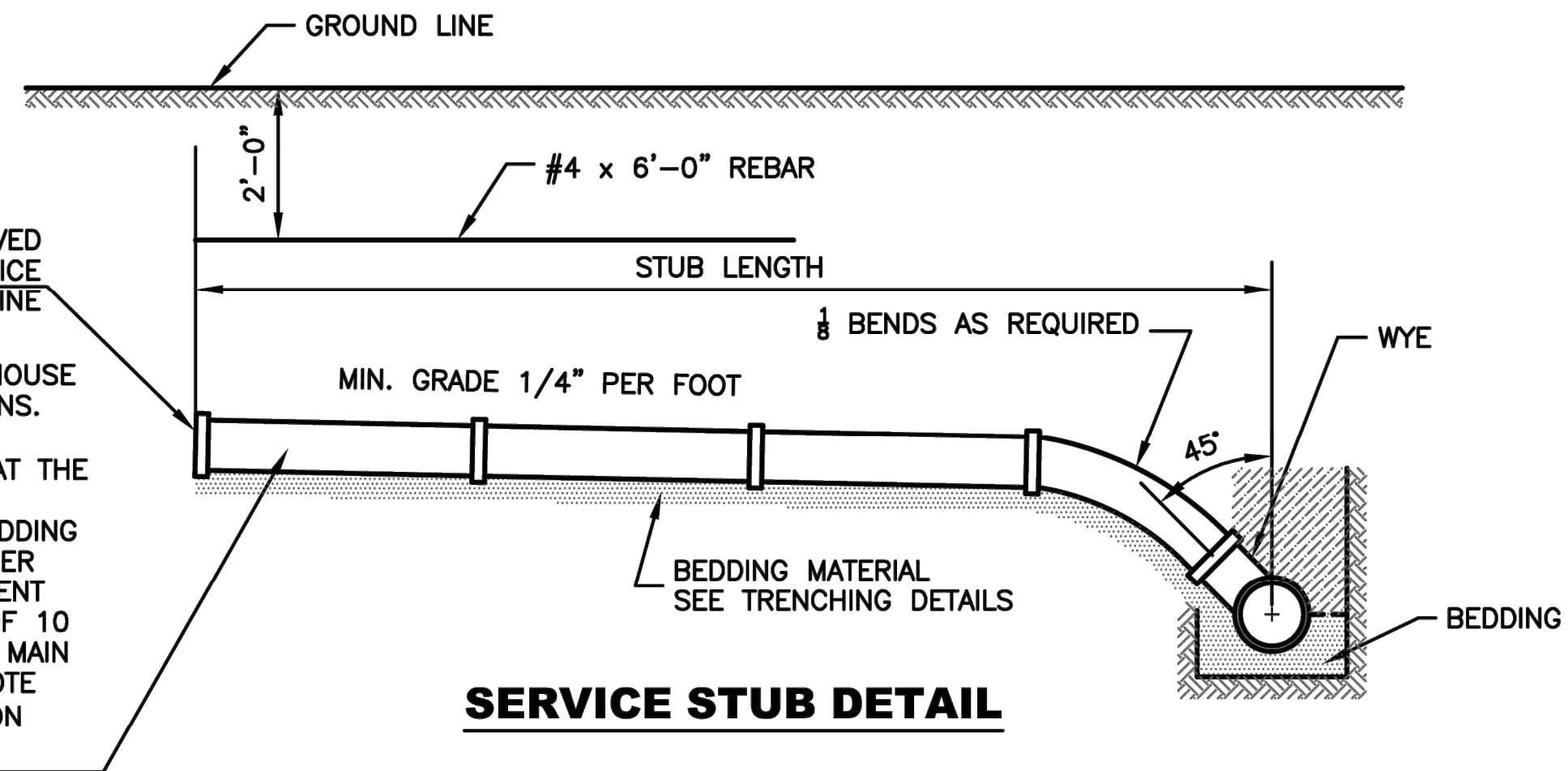
MAXIMUM DEPTH AT PLUG LOCATION SHALL BE 14' BELOW TOP OF HOUSE FOUNDATION. LENGTH AND ELEVATION SHALL BE AS SHOWN ON PLANS. LINES SHALL BE PLACED AT RIGHT ANGLES FROM MAIN. ALIGNMENT CHANGES MUST BE MADE BY THE USE OF 1/8 BENDS CONNECTED AT THE WYE. UNIT PRICE BID PER LINEAL FOOT FOR SERVICE STUBS SHALL INCLUDE - TRENCHING, LAYING, BACKFILLING, PIPE, FITTINGS AND BEDDING MATERIAL. AT POINTS WHERE SEWERS CROSS WATER MAINS, THE SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON, PLASTIC PIPE WITH SOLVENT WELDED JOINTS, OR PIPE ENCASED IN CONCRETE FOR A DISTANCE OF 10 FEET IN EACH DIRECTION FROM THE CROSSING UNLESS THE WATER MAIN IS AT LEAST 2 FEET ABOVE THE SEWER. FOR SIZING DATA SEE NOTE ELSEWHERE, THIS SHEET. ALSO SEE "SANITARY SEWER CAP" DETAIL ON MISCELLANEOUS DETAILS II (DT-018).



JOINT CRADLE DETAIL



CRADLE DETAILS



SERVICE STUB DETAIL

NO.	DATE	REVISION	BY	APP'D
4	June 2018	Added maximum pipe intrusion note	DHS	JVH
3	March 2013	Mod. Pvmt. Place. Sch. & Bedding Amt.	DHS	SB
2	Feb. 2008	Mod. Cradle & Arch and Pvmt. Place Sch.	DHS	SB
1	Dec. 2004	Mod. Serv. Note	DHS	JH

DRAWN BY: *m/mc*
APP'D BY: *R. Christy*



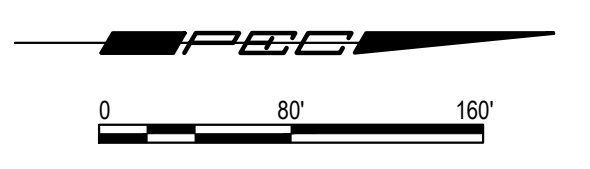
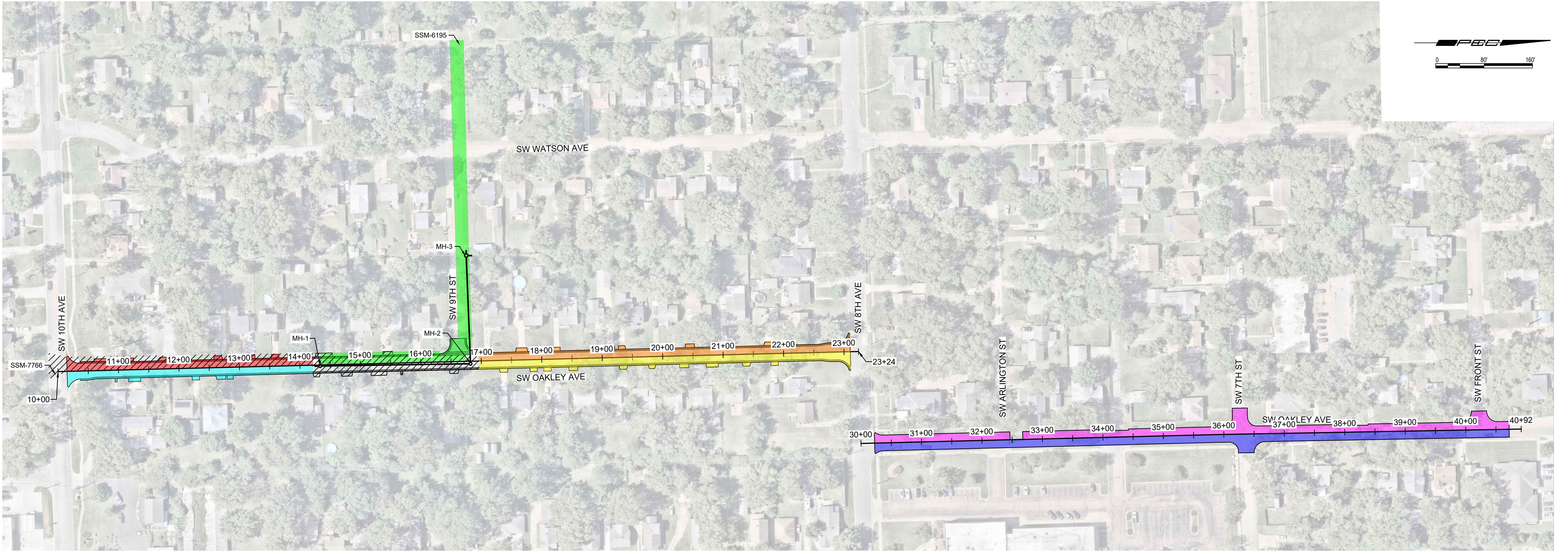
**SHAWNEE COUNTY, KANSAS
PUBLIC WORKS DEPARTMENT**
1515 NW SALINE
TOPEKA, KS 66618
(785) 233-7702











STANDARD DETAILS

SANITARY SEWER DETAILS
(DT-007)

DATE: APRIL 2026
SHEET: 25
PROJ.: 250987-000



	 PHASE 1A	 PHASE 1B	 PHASE 2A	 PHASE 2B	 PHASE 3A	 PHASE 3B	 PHASE 4	 PHASE 5
CONSTRUCTION SEQUENCE	<ol style="list-style-type: none"> CONSTRUCT SANITARY SEWER IMPROVEMENTS FROM MH-1 TO MH-2. BYPASS PUMPING SETUP 1. CONSTRUCT ALL LANES, CURB & GUTTER, AND DRIVEWAYS OF SW OAKLEY AVE FROM STA. 14+21.32 TO STA. 16+95.89. BYPASS PUMPING CONTRACTOR SHALL COORDINATE PROTECTION OF BYPASS PUMPING SETUP WITH TRAFFIC CONTROL. 	<ol style="list-style-type: none"> CONSTRUCT SANITARY SEWER IMPROVEMENTS FROM MH-2 TO MH-3. BYPASS PUMPING SETUP 2. CONSTRUCT ALL LANES, CURB & GUTTER, AND DRIVEWAYS OF SW 9TH AVE. BYPASS PUMPING CONTRACTOR SHALL COORDINATE PROTECTION OF BYPASS PUMPING SETUP WITH TRAFFIC CONTROL. 	<ol style="list-style-type: none"> CONSTRUCT NORTHBOUND LANE AND CURB & GUTTER OF SW OAKLEY AVE FROM SW 10TH AVE TO JUST BEFORE SANITARY SEWER IMPROVEMENTS (STA. 10+15.05 TO STA. 14+21.32). CONSTRUCT ALL DRIVEWAYS ON EAST SIDE UP TO STA. 14+21.32. 	<ol style="list-style-type: none"> CONSTRUCT SOUTHBOUND LANE AND CURB & GUTTER OF SW OAKLEY AVE FROM SW 10TH AVE TO JUST BEFORE SANITARY SEWER IMPROVEMENTS (STA. 10+15.05 TO STA. 14+21.32). CONSTRUCT ALL DRIVEWAYS ON WEST SIDE UP TO STA. 14+21.32. 	<ol style="list-style-type: none"> CONSTRUCT NORTHBOUND LANE AND CURB & GUTTER OF SW OAKLEY AVE FROM SW 9TH AVE TO SW 8TH AVE (STA. 16+95.89 TO STA. 23+10.30). CONSTRUCT ALL DRIVEWAYS ON EAST SIDE. 	<ol style="list-style-type: none"> CONSTRUCT SOUTHBOUND LANE AND CURB & GUTTER OF SW OAKLEY AVE FROM SW 9TH AVE TO SW 8TH AVE (STA. 16+95.89 TO STA. 23+10.30). CONSTRUCT ALL DRIVEWAYS ON WEST SIDE. 	<ol style="list-style-type: none"> MILL AND OVERLAY NORTHBOUND LANE OF SW OAKLEY AVE FROM SW 8TH AVE TO SW FRONT ST (STA. 30+22.47 TO STA. 40+71.89). 	<ol style="list-style-type: none"> MILL AND OVERLAY SOUTHBOUND LANE OF SW OAKLEY AVE FROM SW 8TH AVE TO SW FRONT ST (STA. 30+22.47 TO STA. 40+71.89).
TRAFFIC CONTROL	<ol style="list-style-type: none"> CLOSE SW OAKLEY AVE TO THRU TRAFFIC. CLOSE SW 10TH AVE TO THRU TRAFFIC. ALLOW LOCAL ACCESS ONLY TO RESIDENCES ALONG SW 9TH AVE. TRAFFIC FOR SW OAKLEY AVE TO BE DETOURED VIA SW MACVICAR AVE. TRAFFIC FOR SW 10TH AVE TO BE DETOURED VIA SW GAGE BLVD, SW 6TH AVE, AND SW TOPEKA BLVD. 	<ol style="list-style-type: none"> CLOSE SW OAKLEY AVE TO THRU TRAFFIC. CLOSE SW WATSON AVE TO THRU TRAFFIC. ALLOW LOCAL ACCESS ONLY TO RESIDENCES ALONG SW 9TH AVE. TRAFFIC FOR SW OAKLEY AVE TO BE DETOURED VIA SW MACVICAR AVE. TRAFFIC FOR SW WATSON AVE TO BE DETOURED VIA SW WARREN AVE. 	<ol style="list-style-type: none"> CLOSE EXISTING NORTHBOUND SW OAKLEY AVE LANE. TRAFFIC REDUCED TO THE SOUTHBOUND LANE: 1-LANE, 1-WAY TRAFFIC ON SW OAKLEY AVE. 	<ol style="list-style-type: none"> CLOSE EXISTING SOUTHBOUND SW OAKLEY AVE LANE. TRAFFIC REDUCED TO THE NORTHBOUND LANE: 1-LANE, 1-WAY TRAFFIC ON SW OAKLEY AVE. 	<ol style="list-style-type: none"> CLOSE EXISTING NORTHBOUND SW OAKLEY AVE LANE. TRAFFIC REDUCED TO THE SOUTHBOUND LANE: 1-LANE, 1-WAY TRAFFIC ON SW OAKLEY AVE. 	<ol style="list-style-type: none"> CLOSE EXISTING SOUTHBOUND SW OAKLEY AVE LANE. TRAFFIC REDUCED TO THE SOUTHBOUND LANE: 1-LANE, 1-WAY TRAFFIC ON SW OAKLEY AVE. 	<ol style="list-style-type: none"> CLOSE EXISTING NORTHBOUND SW OAKLEY AVE LANE. TRAFFIC REDUCED TO THE SOUTHBOUND LANE: 1-LANE, 1-WAY TRAFFIC ON SW OAKLEY AVE. 	<ol style="list-style-type: none"> CLOSE EXISTING SOUTHBOUND SW OAKLEY AVE LANE. TRAFFIC REDUCED TO THE NORTHBOUND LANE: 1-LANE, 1-WAY TRAFFIC ON SW OAKLEY AVE.

NO.	DATE:	REVISION

DRAWN BY: CTS
 DESIGNED BY: MKS
 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH

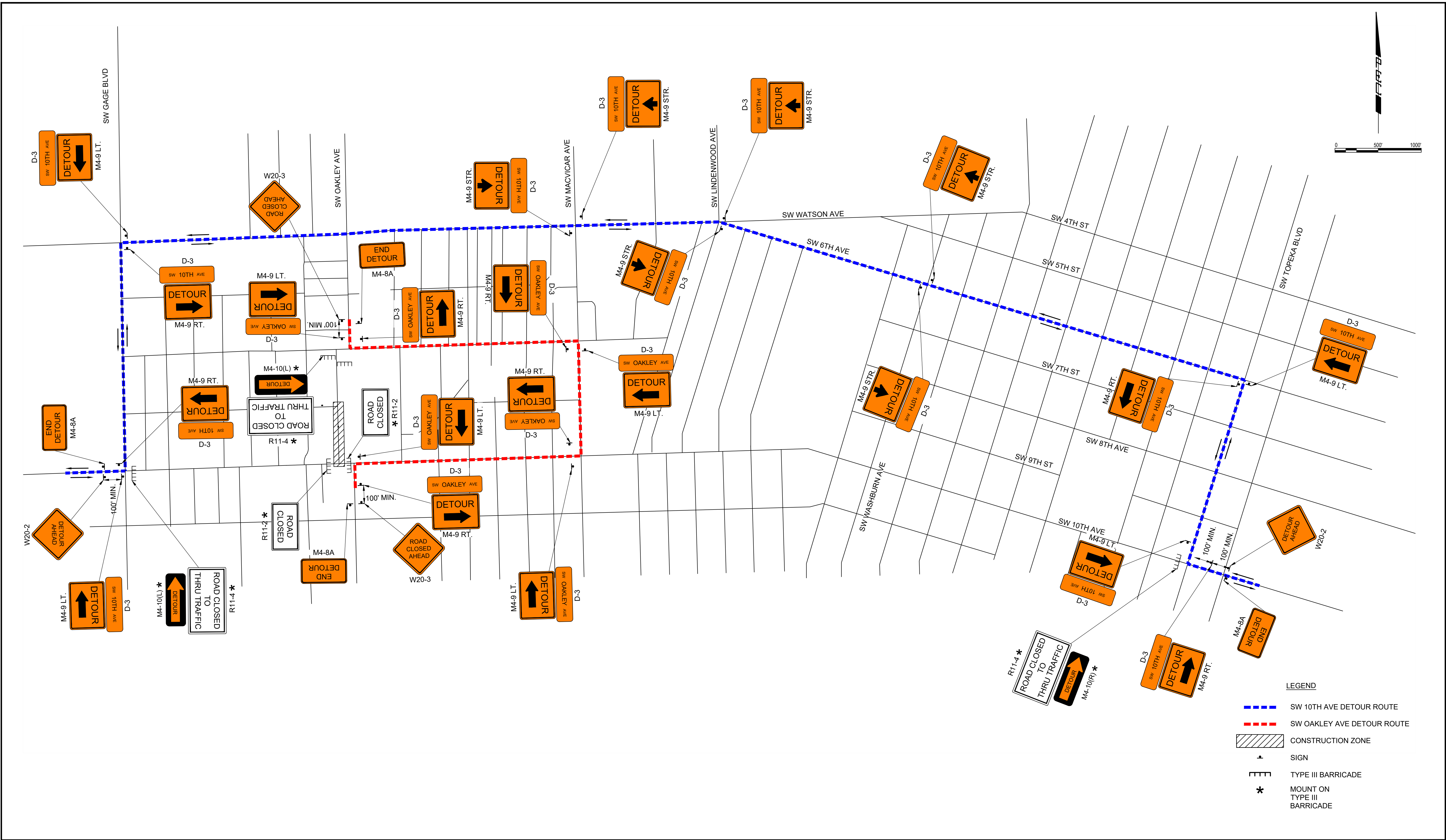
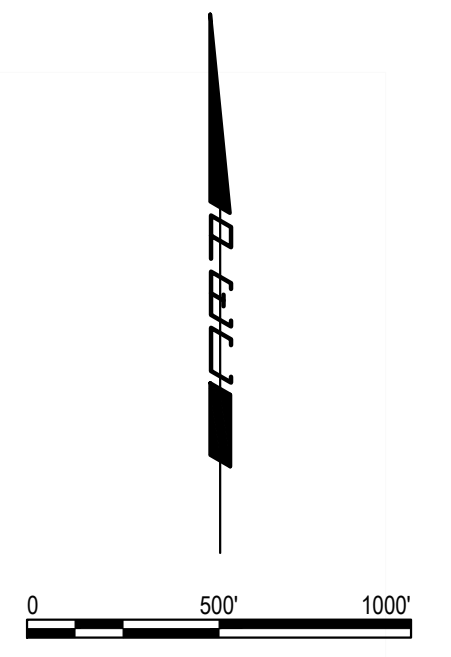


TOPEKA
 Public Works
 ENGINEERING
 620 SE MADISON St. • 2nd Floor • TOPEKA, KS 66607
 Phone: (785) 368-3842 • Fax: (785) 368-3881

SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

CONSTRUCTION SEQUENCING

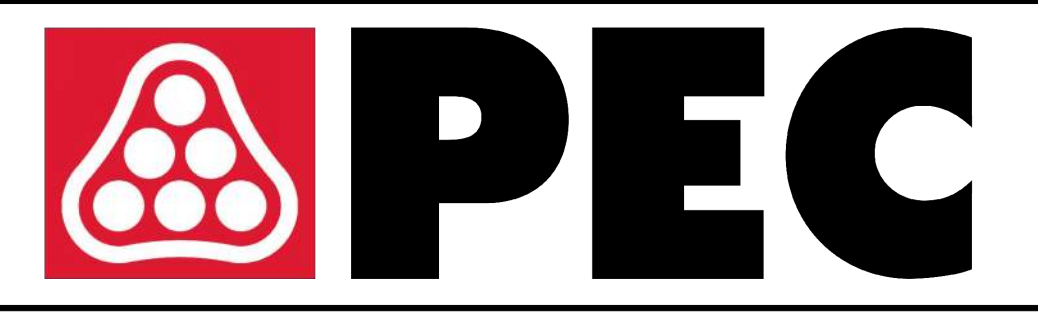
DATE: APRIL 2026
 SHEET: 26 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



- LEGEND**
- SW 10TH AVE DETOUR ROUTE
 - SW OAKLEY AVE DETOUR ROUTE
 - CONSTRUCTION ZONE
 - SIGN
 - TYPE III BARRICADE
 - MOUNT ON TYPE III BARRICADE

NO.	DATE:	REVISION

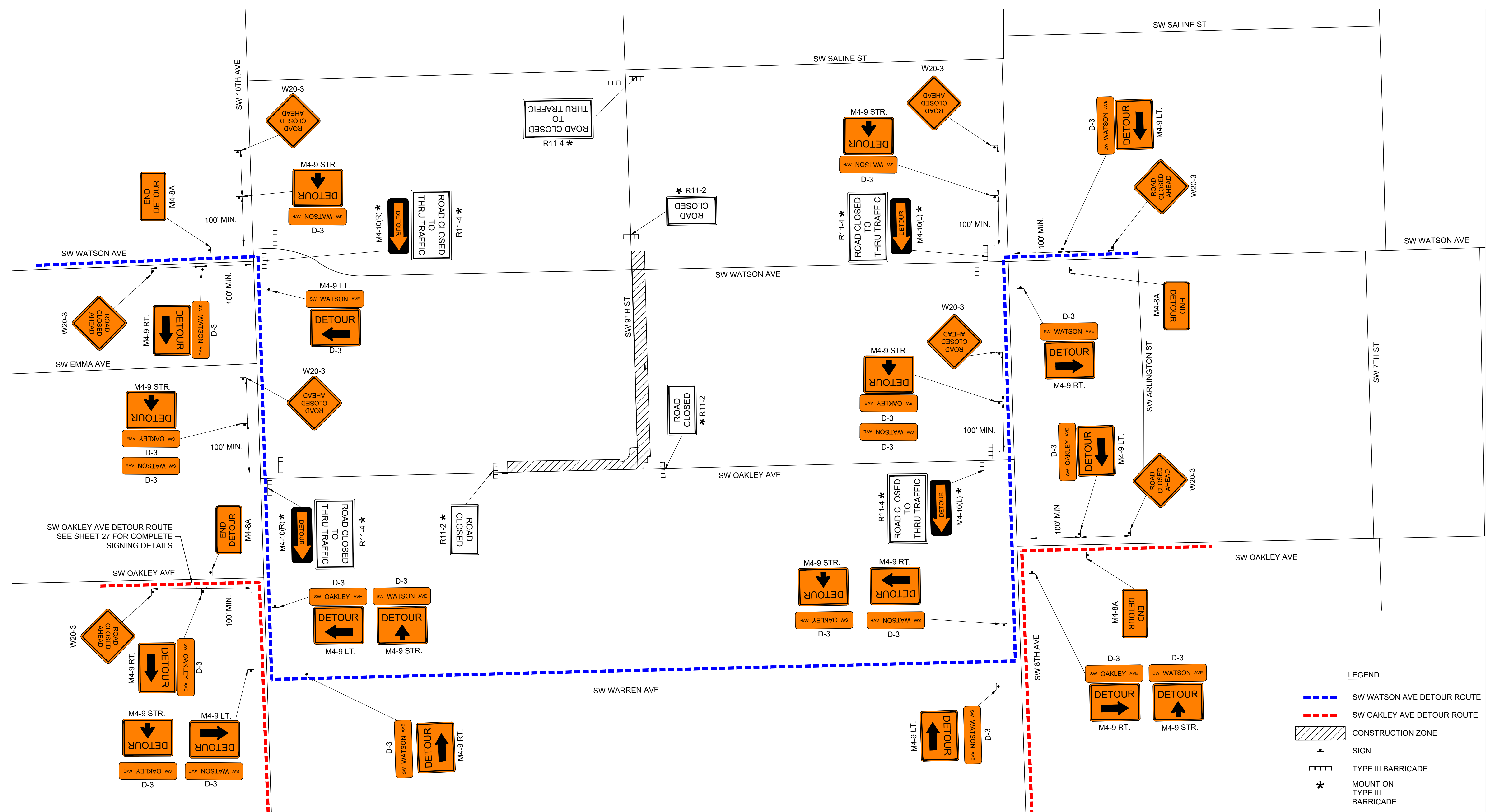
DRAWN BY: CTS
 DESIGNED BY: MKS
 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

DETOUR PLAN
 PHASE 1A

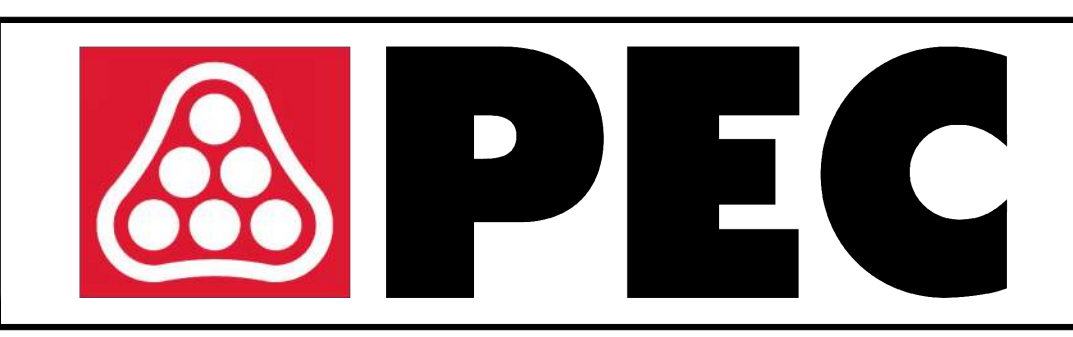
DATE: APRIL 2026
 SHEET: 27 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



- LEGEND**
- SW WATSON AVE DETOUR ROUTE
 - SW OAKLEY AVE DETOUR ROUTE
 - CONSTRUCTION ZONE
 - SIGN
 - TYPE III BARRICADE
 - MOUNT ON TYPE III BARRICADE

NO.	DATE	REVISION

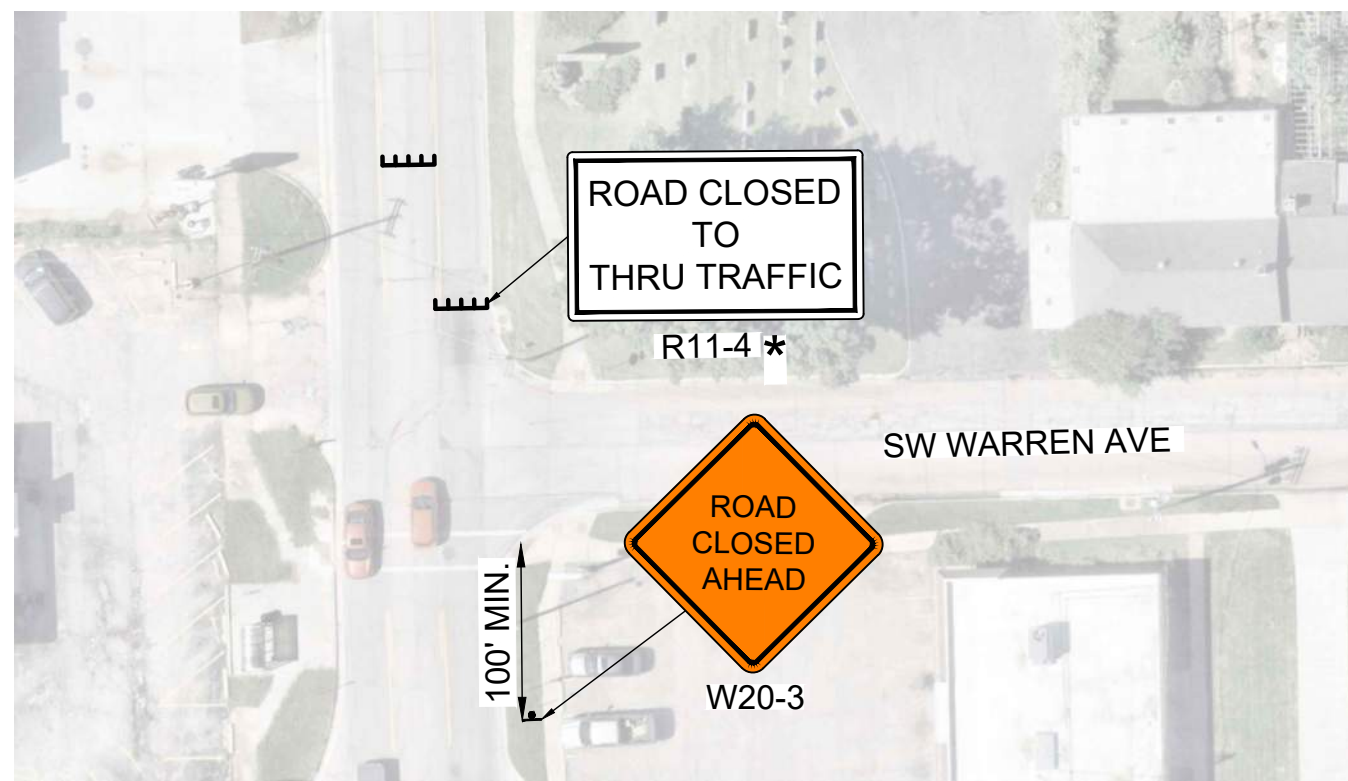
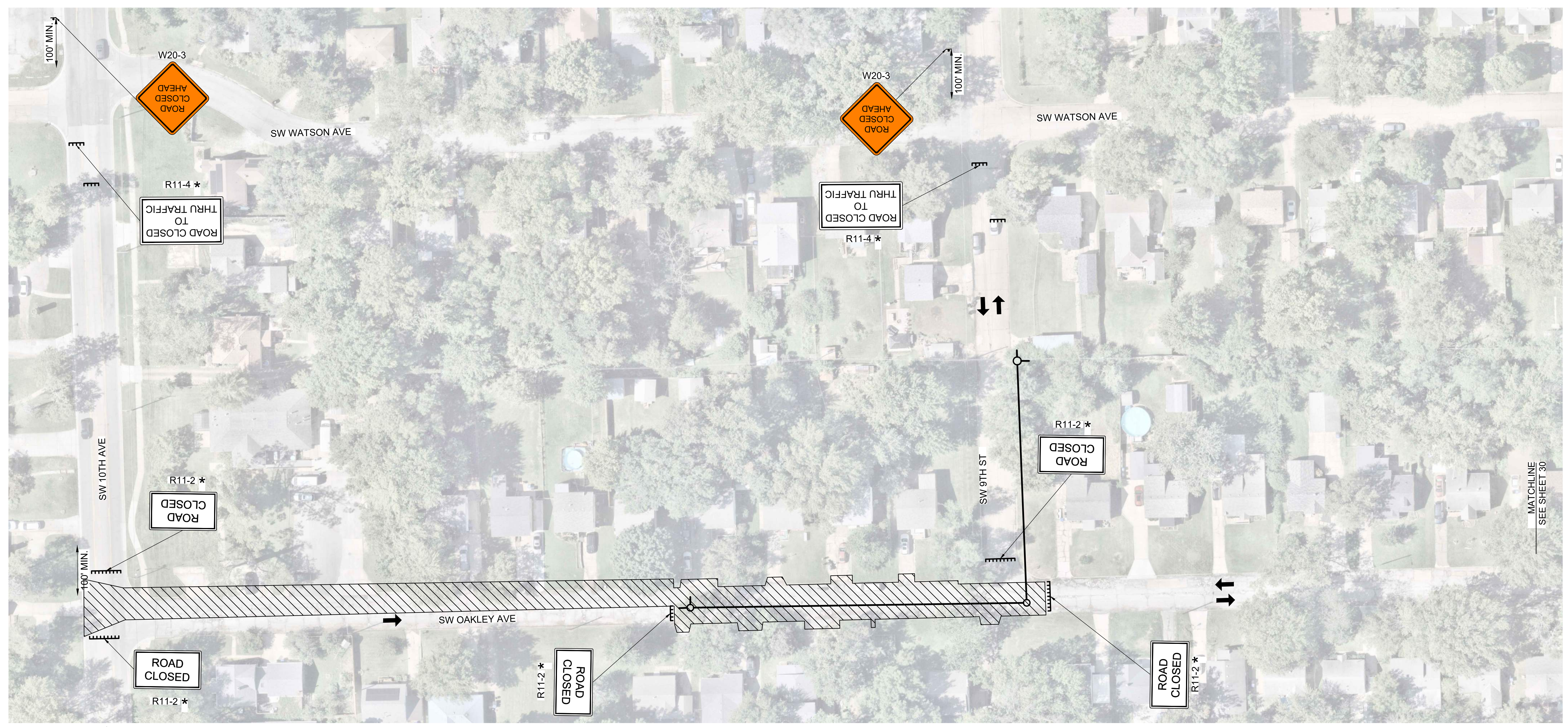
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 DESIGNED BY: MKS
 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

DETOUR PLAN
 PHASE 1B

DATE: APRIL 2026
 SHEET: 28 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000

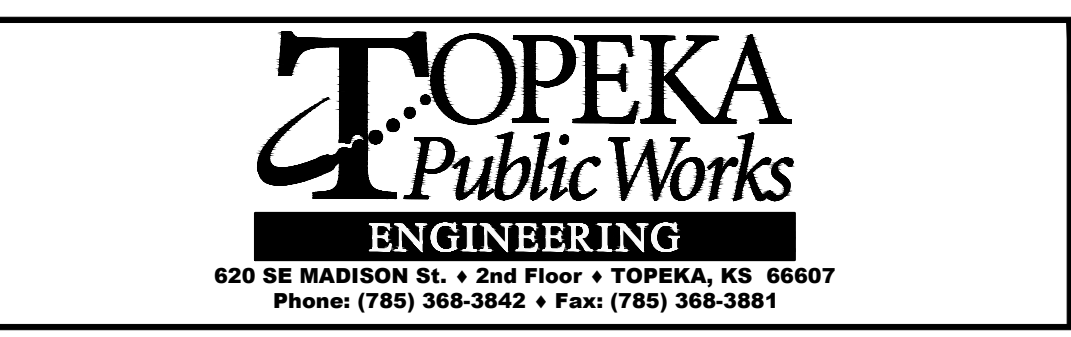


- NOTES:
1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION.
 2. SEE SHEET NO. 20 FOR BYPASS PUMPING REQUIREMENTS.

LEGEND	
	CONSTRUCTION ZONE
	SIGN
	TYPE III BARRICADE
	MOUNT ON TYPE III BARRICADE
	TYPE II BARRICADE
	MOUNT ON TYPE II BARRICADE

NO.	DATE	REVISION

DRAWN BY: CTS
 DESIGNED BY: MKS
 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 1A SHEET 1

DATE: APRIL 2026
 SHEET: 29 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



NOTES:

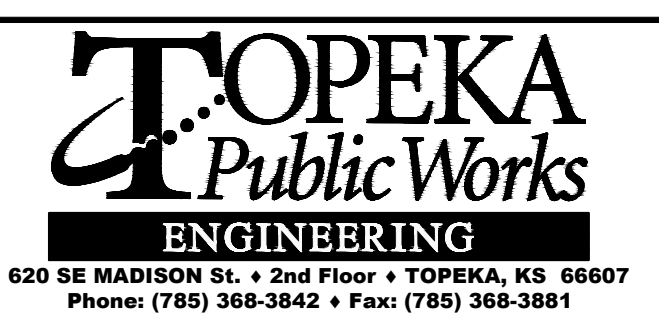
1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION.
2. SEE SHEET NO. 20 FOR BYPASS PUMPING REQUIREMENTS.

LEGEND

- CONSTRUCTION ZONE
- SIGN
- TYPE III BARRICADE
- MOUNT ON TYPE III BARRICADE
- TYPE II BARRICADE
- MOUNT ON TYPE II BARRICADE

NO.	DATE:	REVISION

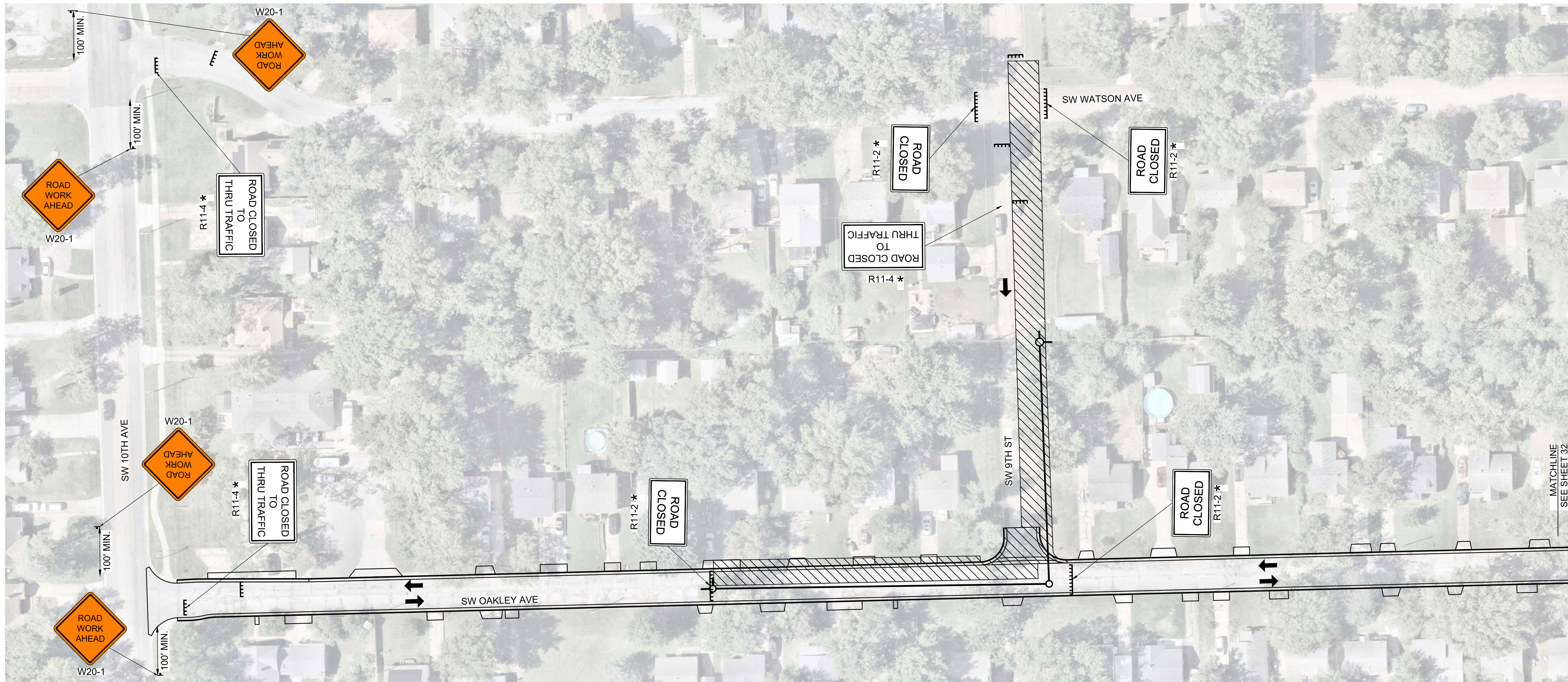
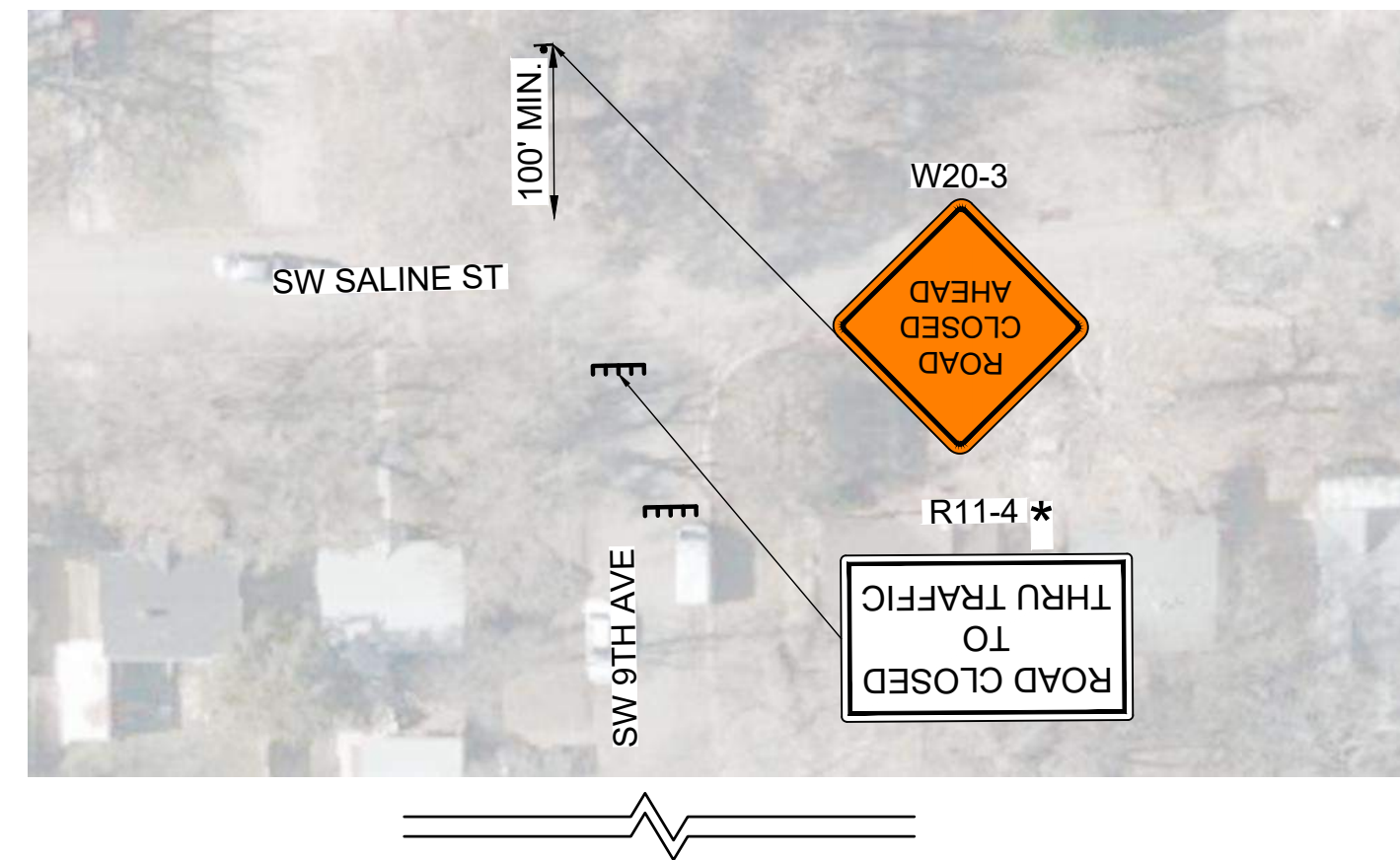
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 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

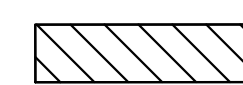





TRAFFIC CONTROL
 PHASE 1A SHEET 2

DATE: APRIL 2026
 SHEET: 30 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



MATCHLINE
SEE SHEET 32

LEGEND

-  CONSTRUCTION ZONE
-  SIGN
-  TYPE III BARRICADE
-  MOUNT ON TYPE III BARRICADE
-  TYPE II BARRICADE
-  MOUNT ON TYPE II BARRICADE

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION.
2. SEE SHEET NO. 20 FOR BYPASS PUMPING REQUIREMENTS
3. CONTRACTOR TO COORDINATE WITH RESIDENTS AT 900 SW WATSON TO MAINTAIN ACCESS DURING CONSTRUCTION.

NO.	DATE	REVISION

DRAWN BY: CTS
 DESIGNED BY: MKS
 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 1B SHEET 1

DATE: APRIL 2026
 SHEET: 31 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION.
2. SEE SHEET NO. 20 FOR BYPASS PUMPING REQUIREMENTS
3. CONTRACTOR TO COORDINATE WITH RESIDENTS AT 900 SW WATSON TO MAINTAIN ACCESS DURING CONSTRUCTION.

LEGEND

- CONSTRUCTION ZONE
- SIGN
- TYPE III BARRICADE
- MOUNT ON TYPE III BARRICADE
- TYPE II BARRICADE
- MOUNT ON TYPE II BARRICADE

NO.	DATE:	REVISION

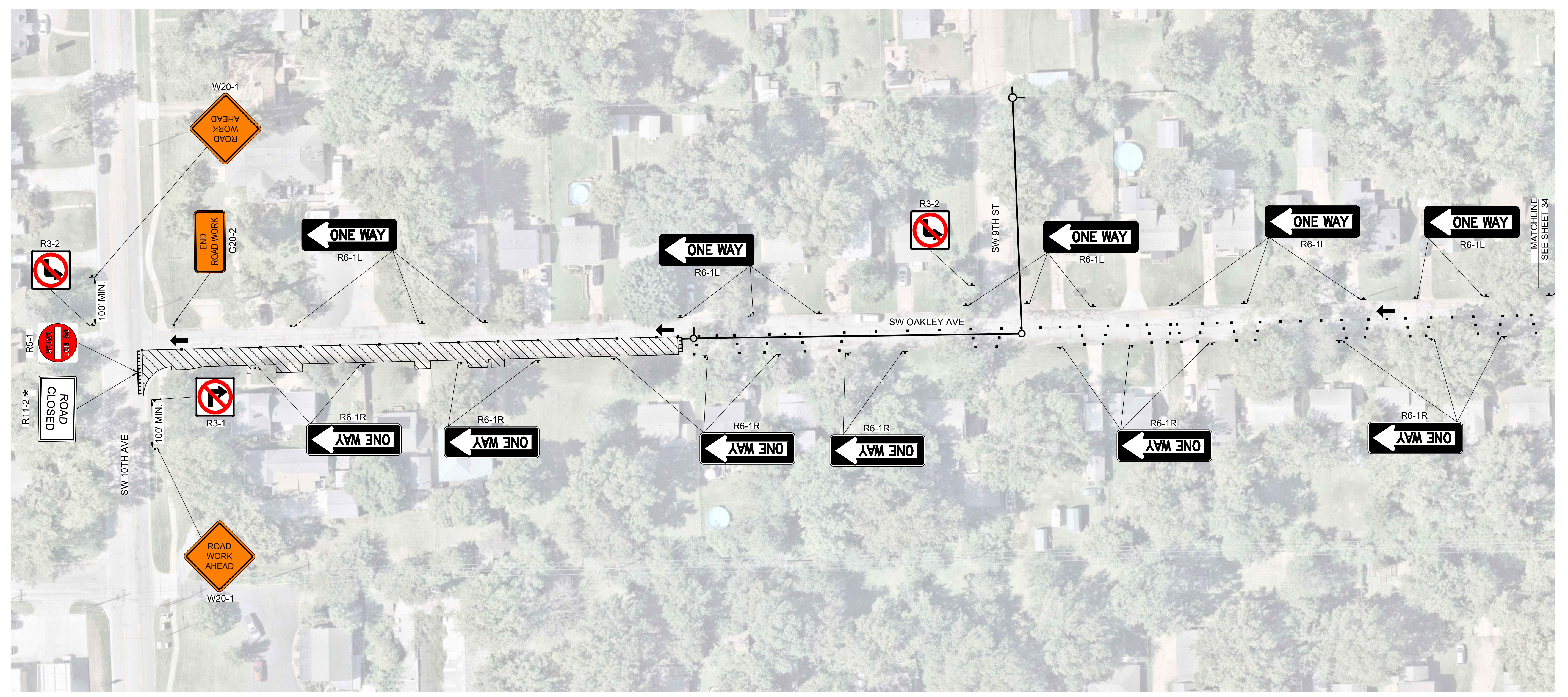
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 APPROVED BY: FSA
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 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 1B SHEET 2

DATE: APRIL 2026
 SHEET: 32 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



MATCHLINE
SEE SHEET 34

LEGEND

- CONSTRUCTION ZONE
- SIGN
- TYPE III BARRICADE
- MOUNT ON TYPE III BARRICADE
- TYPE II BARRICADE
- MOUNT ON TYPE II BARRICADE

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE:	REVISION

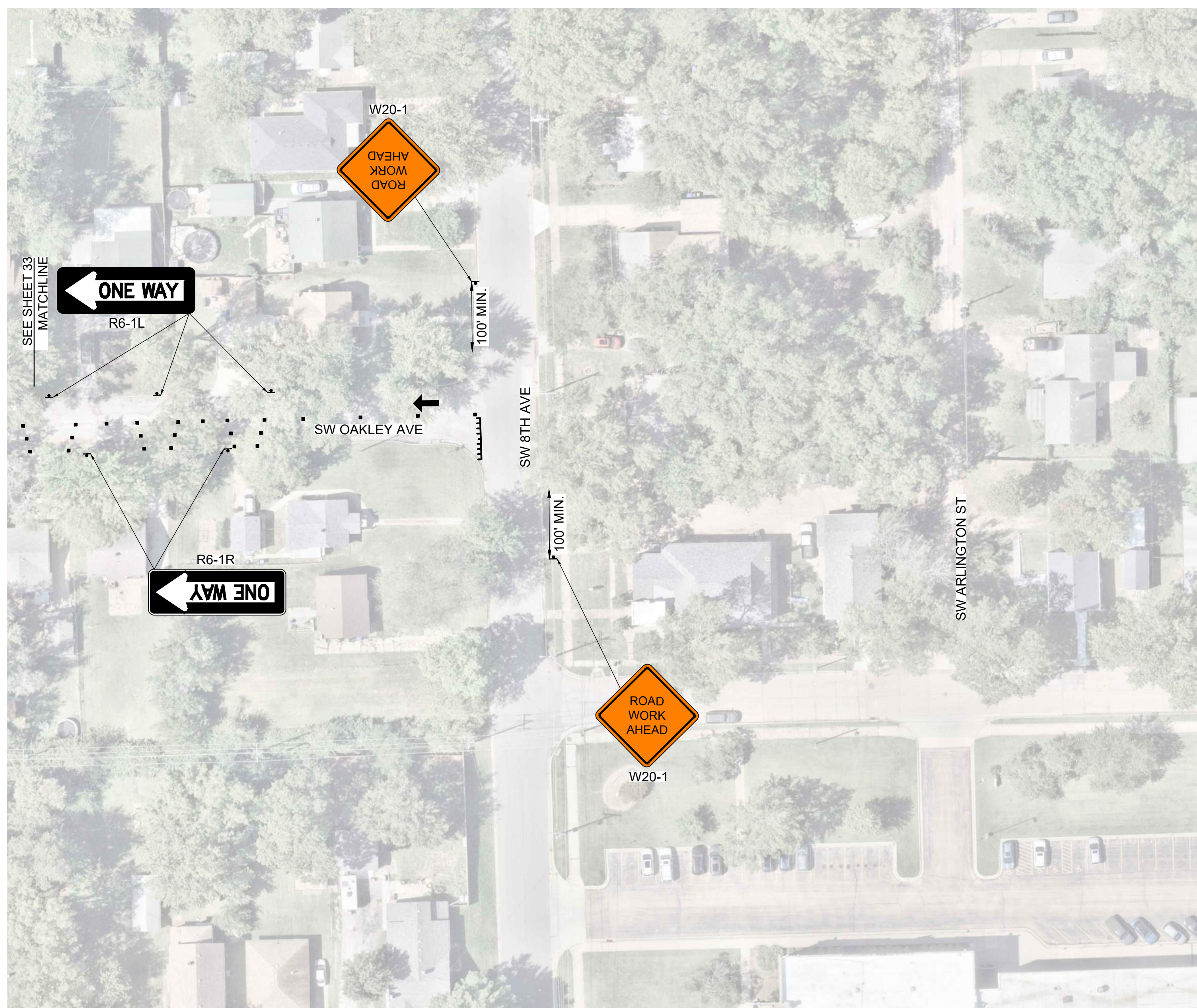
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 TOPEKA PM: JH



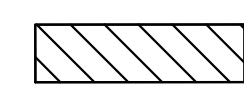





SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 2A SHEET 1

DATE: APRIL 2026
 SHEET: 33 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



LEGEND

-  CONSTRUCTION ZONE
-  SIGN
-  TYPE III BARRICADE
-  MOUNT ON TYPE III BARRICADE
-  TYPE II BARRICADE
-  MOUNT ON TYPE II BARRICADE

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE:	REVISION

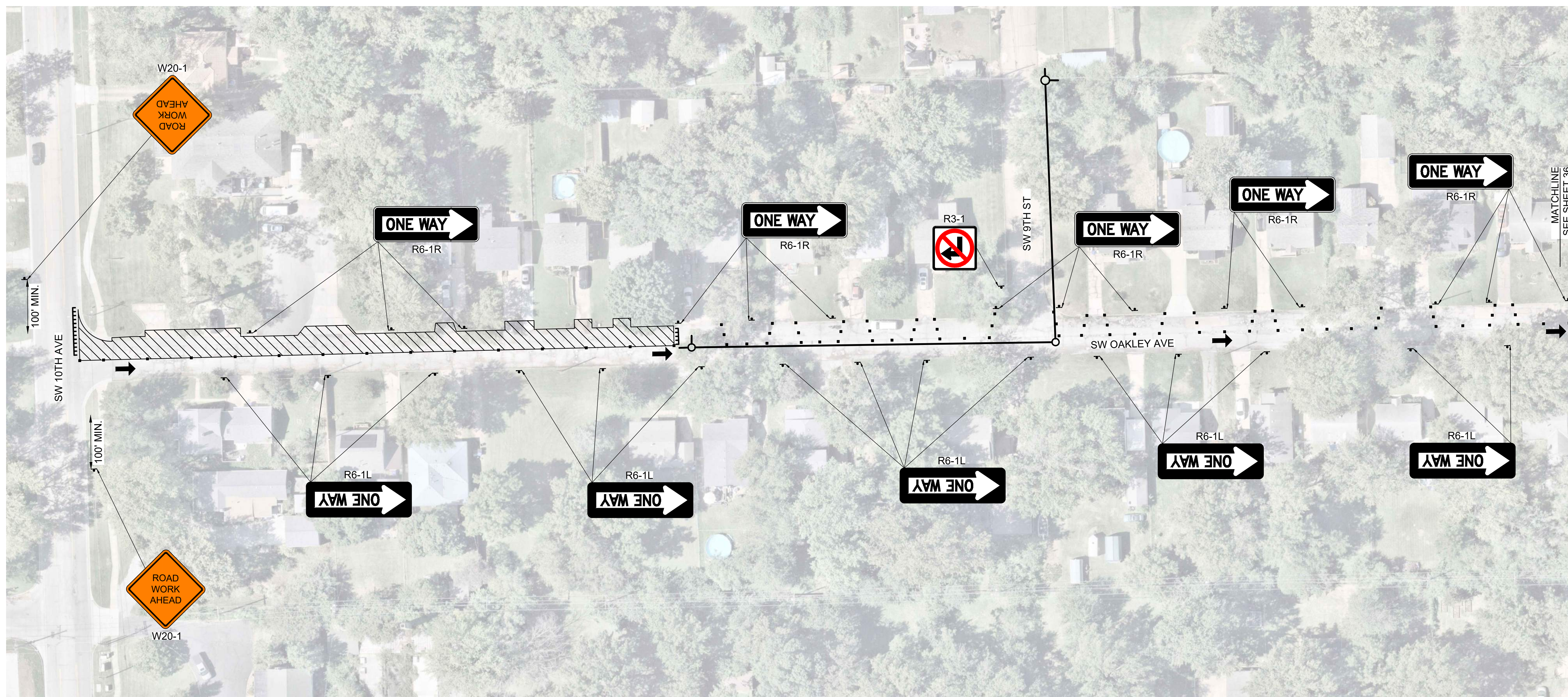
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 SURVEYED BY: COT
 TOPEKA PM: JH









SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 2A SHEET 2

DATE: APRIL 2026
 SHEET: 34 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



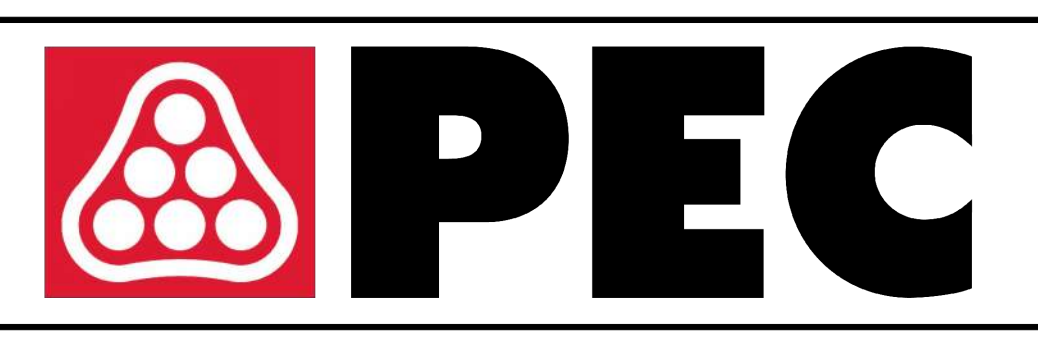
LEGEND

	CONSTRUCTION ZONE
	SIGN
	TYPE III BARRICADE
	MOUNT ON TYPE III BARRICADE
	TYPE II BARRICADE
	MOUNT ON TYPE II BARRICADE

NOTES:
 1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE	REVISION

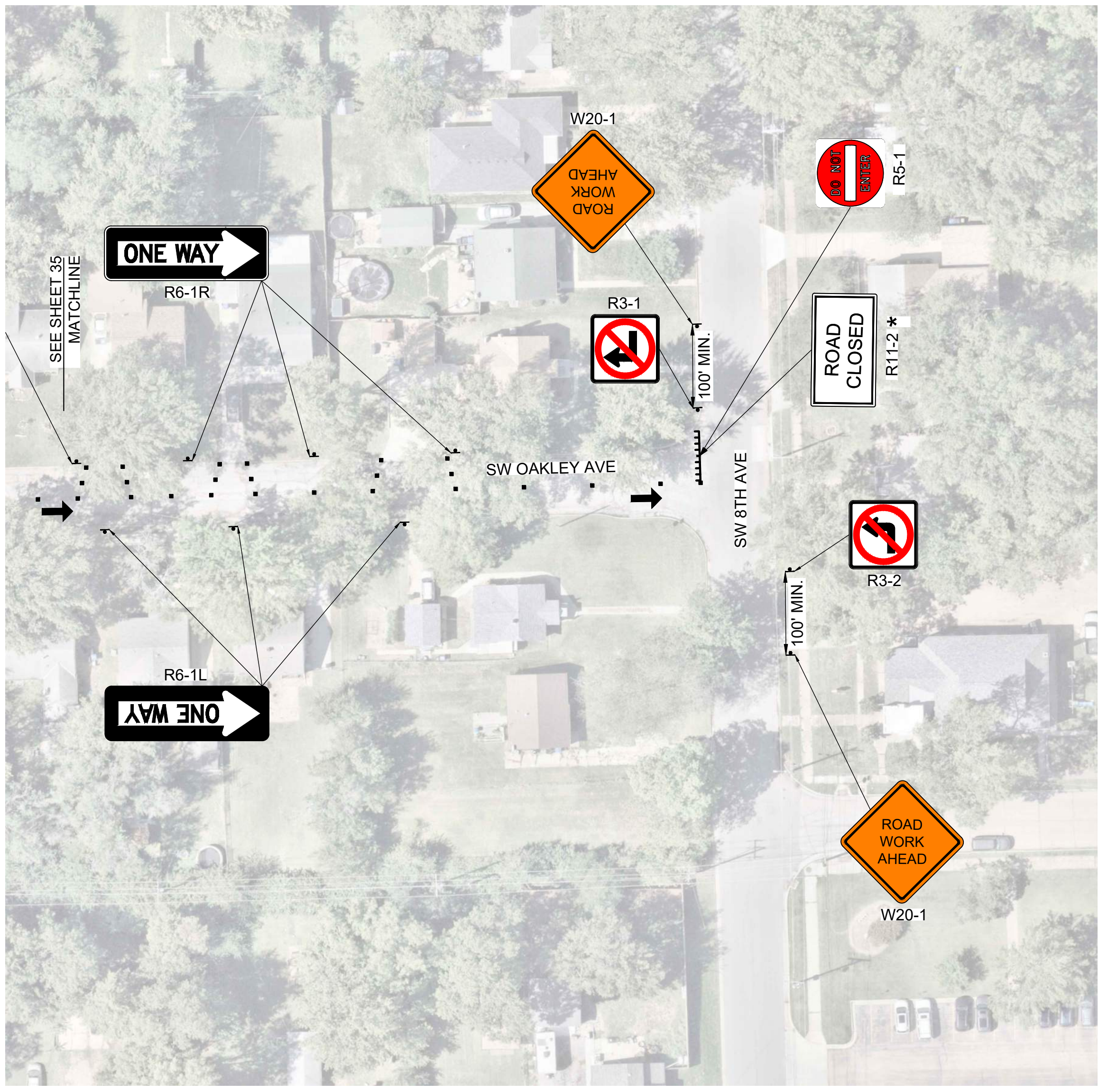
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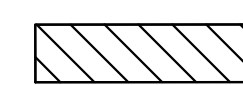





SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 2B SHEET 1

DATE: APRIL 2026
 SHEET: 35 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



LEGEND

-  CONSTRUCTION ZONE
-  SIGN
-  TYPE III BARRICADE
-  MOUNT ON TYPE III BARRICADE
-  TYPE II BARRICADE
-  MOUNT ON TYPE II BARRICADE

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE:	REVISION

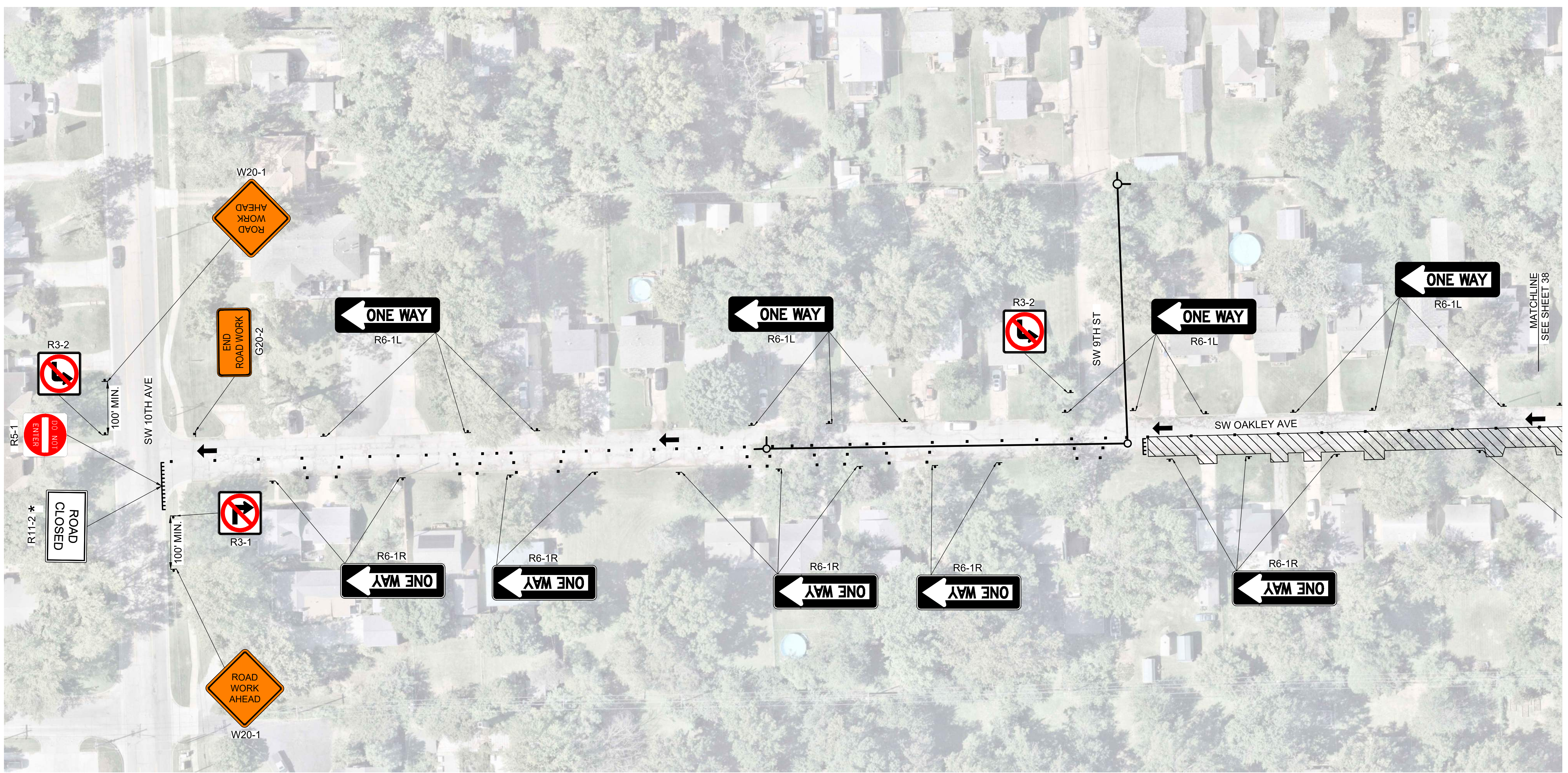
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 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

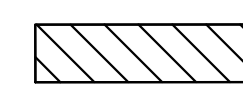





DATE: APRIL 2026
 SHEET: 36 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000

TRAFFIC CONTROL
 PHASE 2B SHEET 2



MATCHLINE
SEE SHEET 38

LEGEND

-  CONSTRUCTION ZONE
-  SIGN
-  TYPE III BARRICADE
-  MOUNT ON TYPE III BARRICADE
-  TYPE II BARRICADE
-  MOUNT ON TYPE II BARRICADE

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE:	REVISION

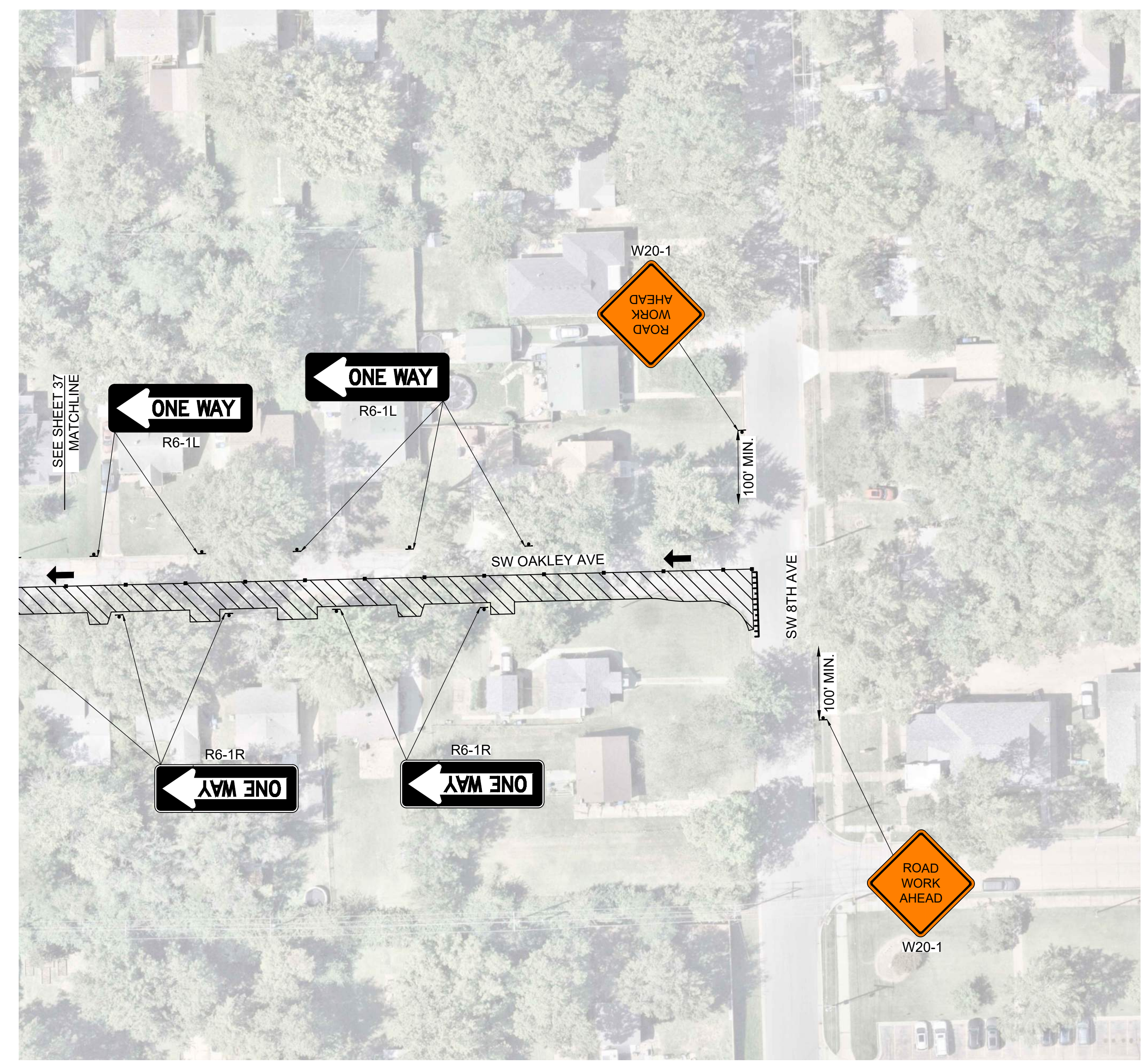
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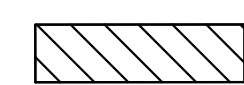





SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 3A SHEET 1

DATE: APRIL 2026
 SHEET: 37 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



LEGEND

	CONSTRUCTION ZONE
	SIGN
	TYPE III BARRICADE
	MOUNT ON TYPE III BARRICADE
	TYPE II BARRICADE
	MOUNT ON TYPE II BARRICADE

NOTES:
 1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE	REVISION

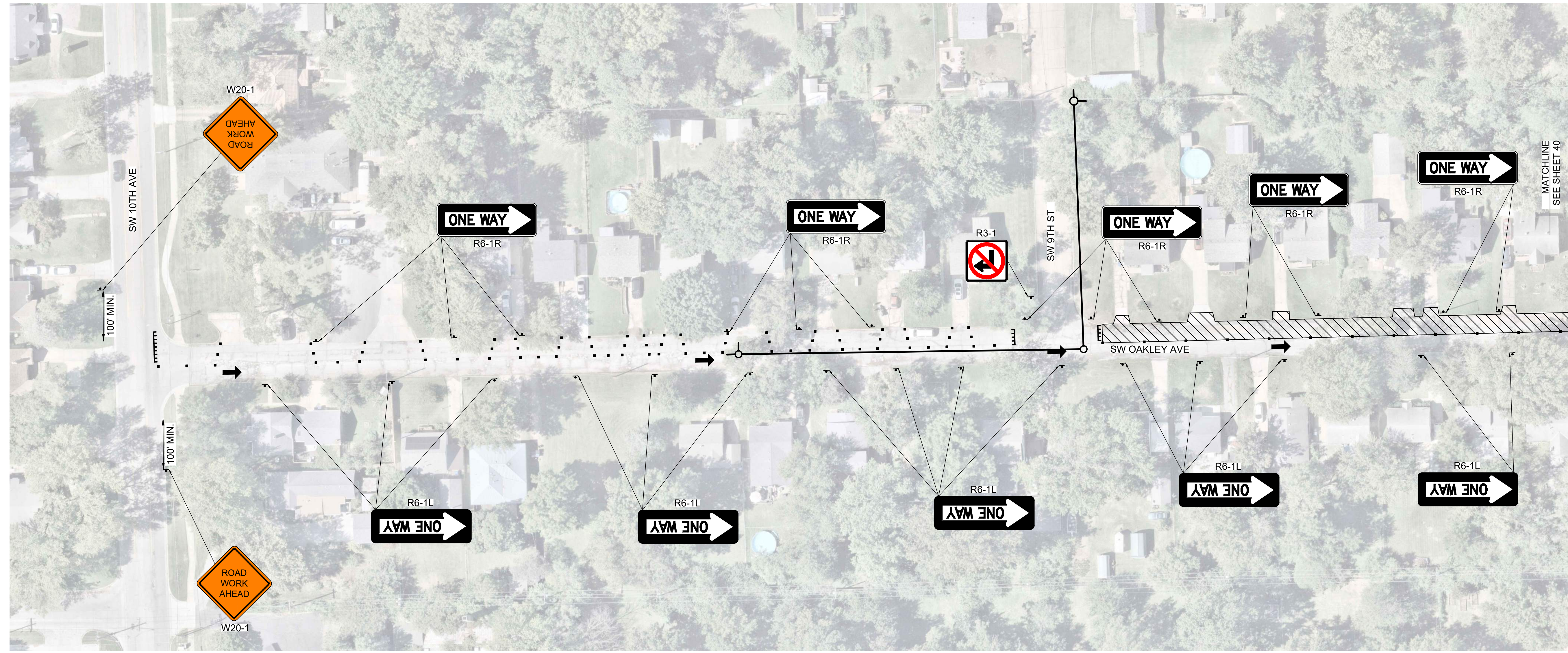
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 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 3A SHEET 2

DATE: APRIL 2026
 SHEET: 38 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

LEGEND

- CONSTRUCTION ZONE
- SIGN
- TYPE III BARRICADE
- MOUNT ON TYPE III BARRICADE
- TYPE II BARRICADE
- MOUNT ON TYPE II BARRICADE

NO.	DATE:	REVISION

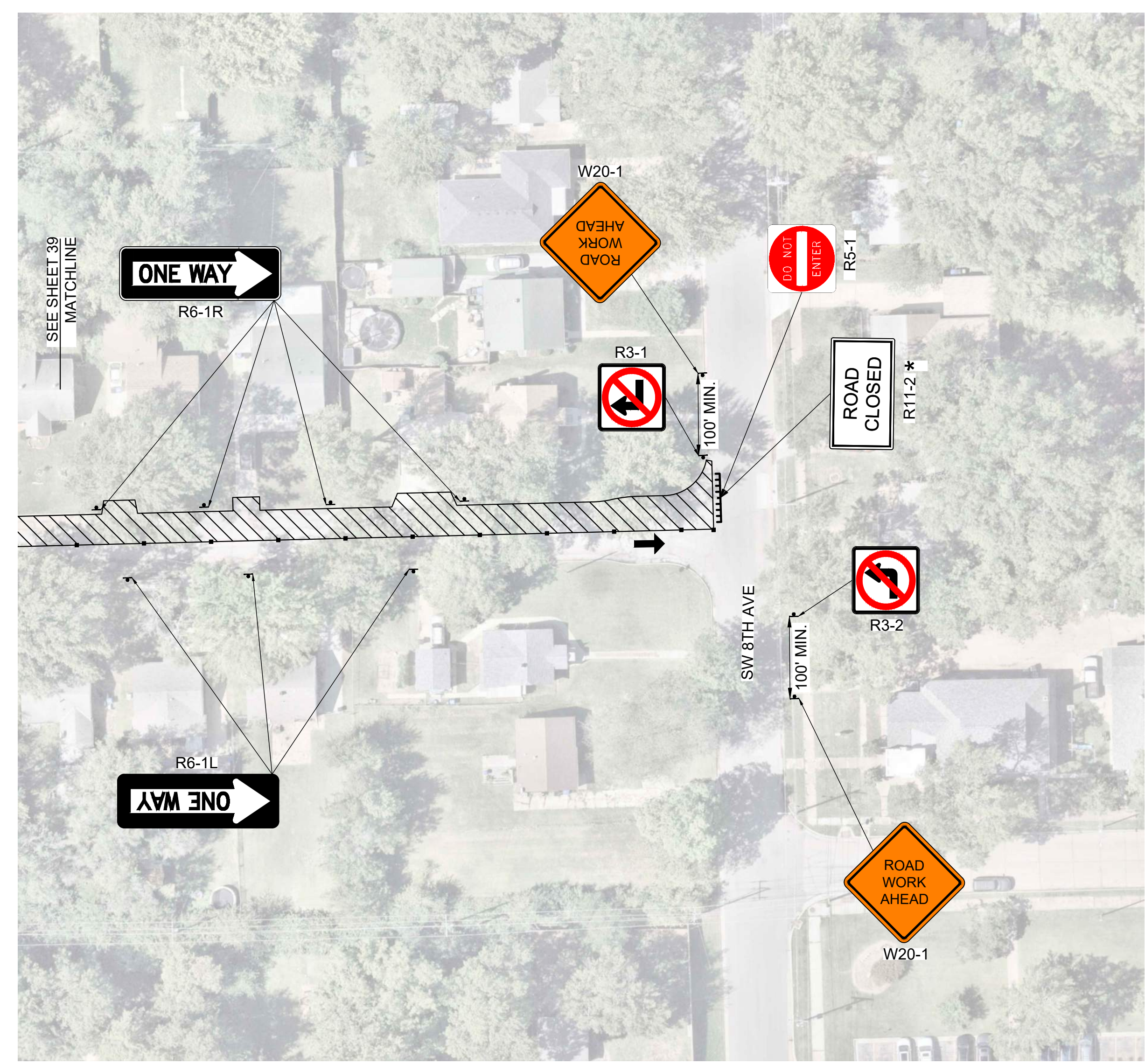
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 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 3B SHEET 1

DATE: APRIL 2026
 SHEET: 39 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



LEGEND

- CONSTRUCTION ZONE
- SIGN
- TYPE III BARRICADE
- MOUNT ON TYPE III BARRICADE
- TYPE II BARRICADE
- MOUNT ON TYPE II BARRICADE

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE:	REVISION

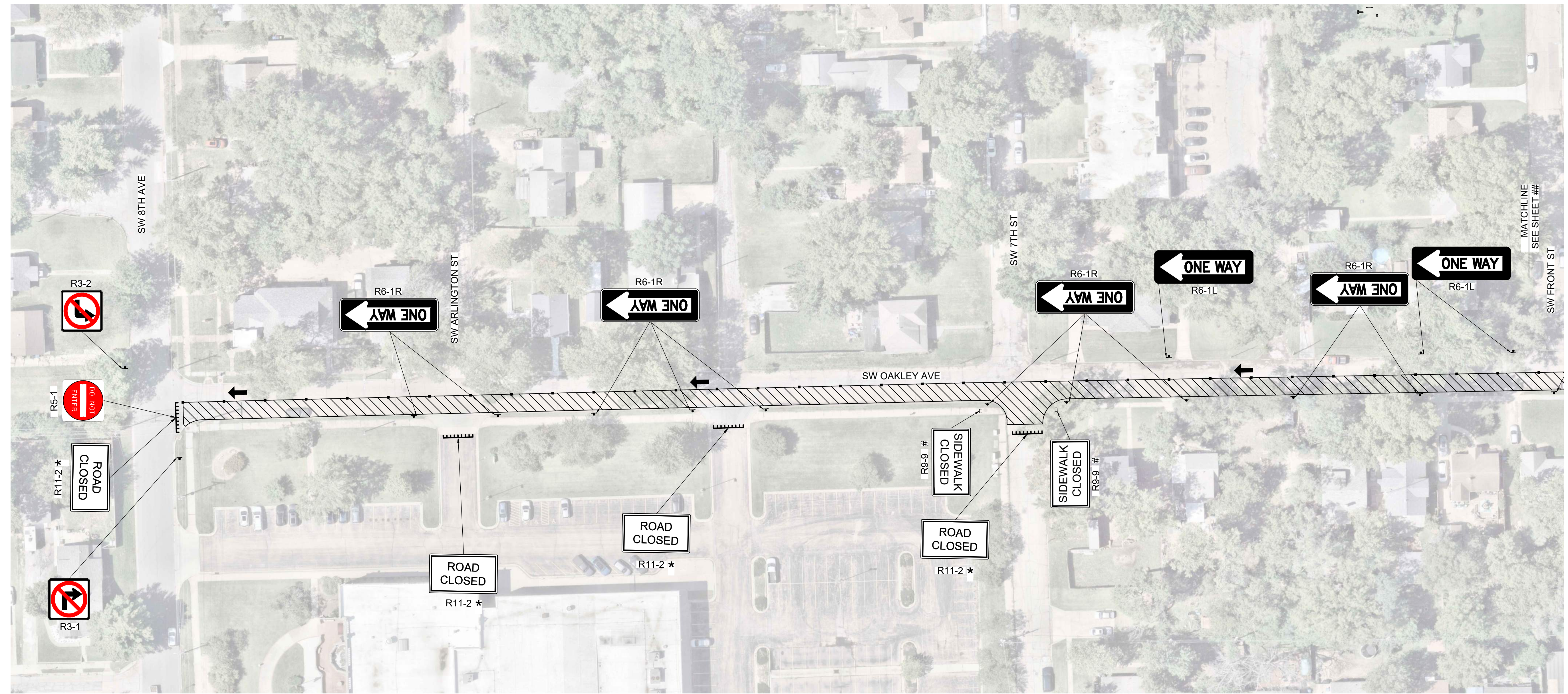
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 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 3B SHEET 2

DATE: APRIL 2026
 SHEET: 40 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



LEGEND

	CONSTRUCTION ZONE
	SIGN
	TYPE III BARRICADE
	MOUNT ON TYPE III BARRICADE
	TYPE II BARRICADE
	MOUNT ON TYPE II BARRICADE

NOTES:
 1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE	REVISION

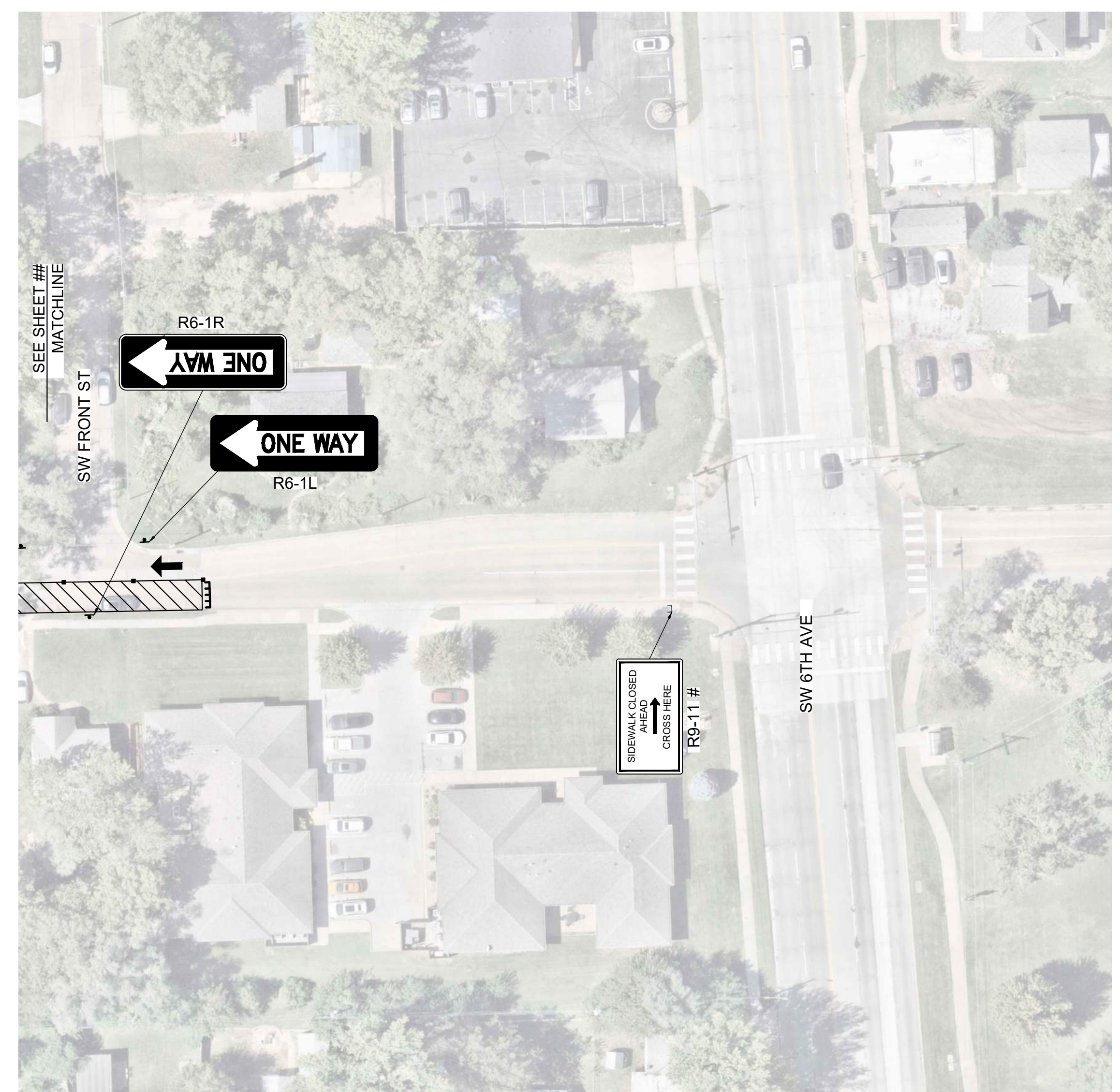
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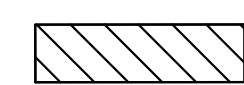





SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 4 SHEET 1

DATE: APRIL 2026
 SHEET: 41 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



LEGEND

	CONSTRUCTION ZONE
	SIGN
	TYPE III BARRICADE
	MOUNT ON TYPE III BARRICADE
	TYPE II BARRICADE
	MOUNT ON TYPE II BARRICADE

NOTES:
 1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE	REVISION

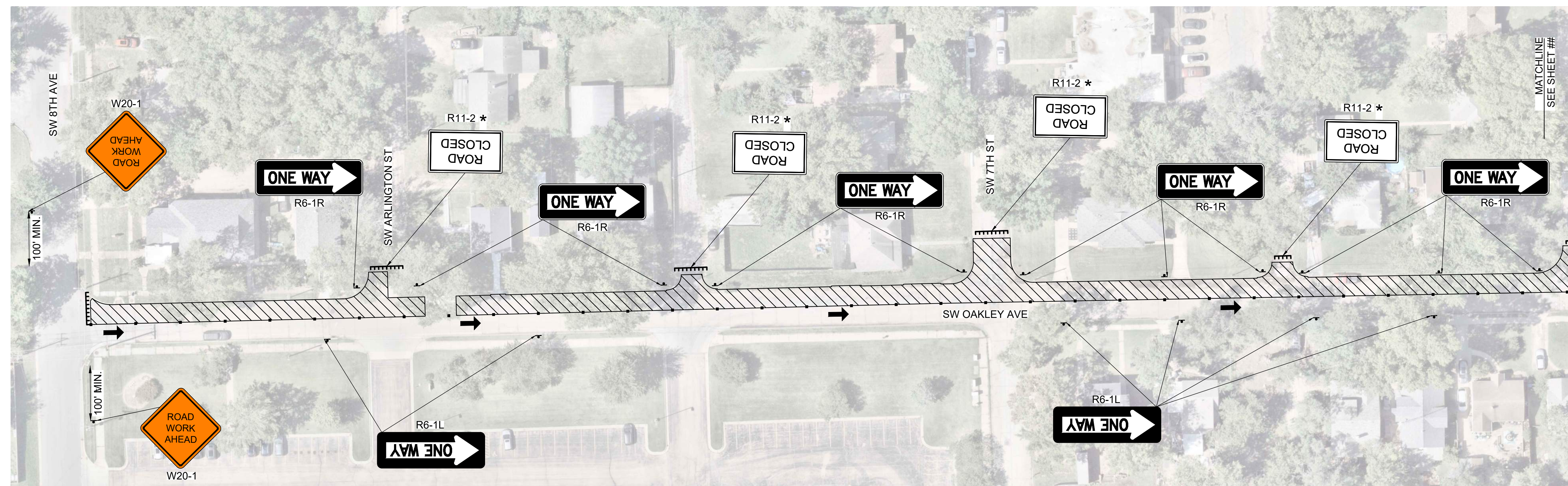
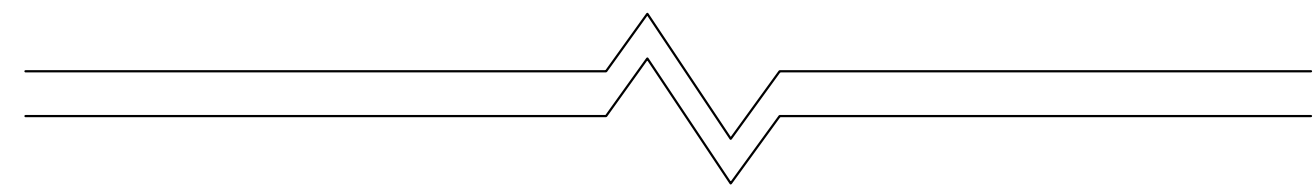
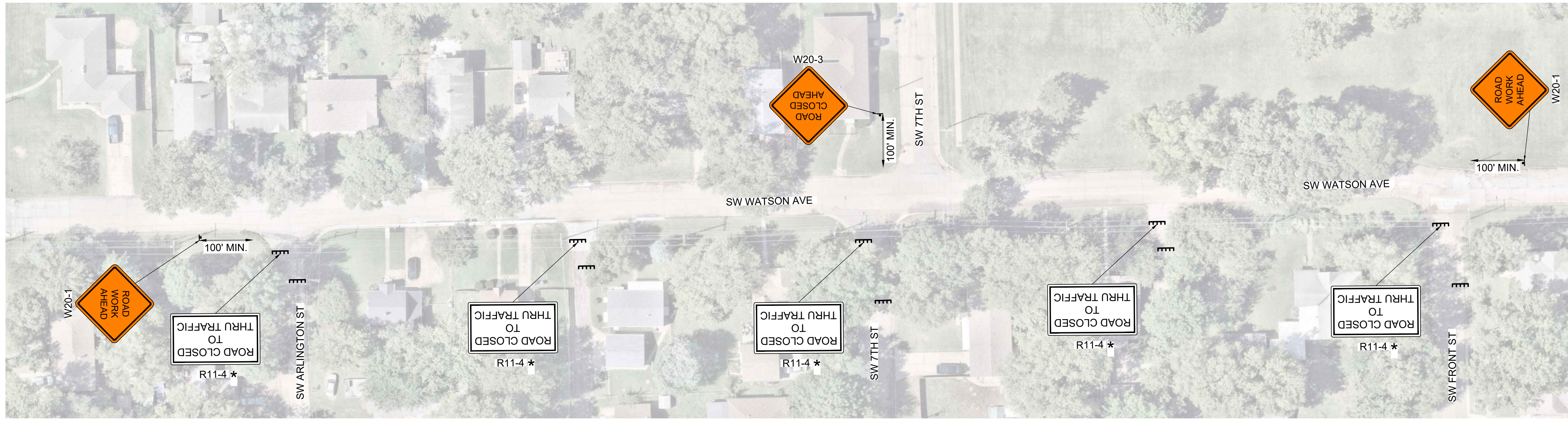
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 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 4 SHEET 2

DATE: APRIL 2026
 SHEET: 42 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



LEGEND

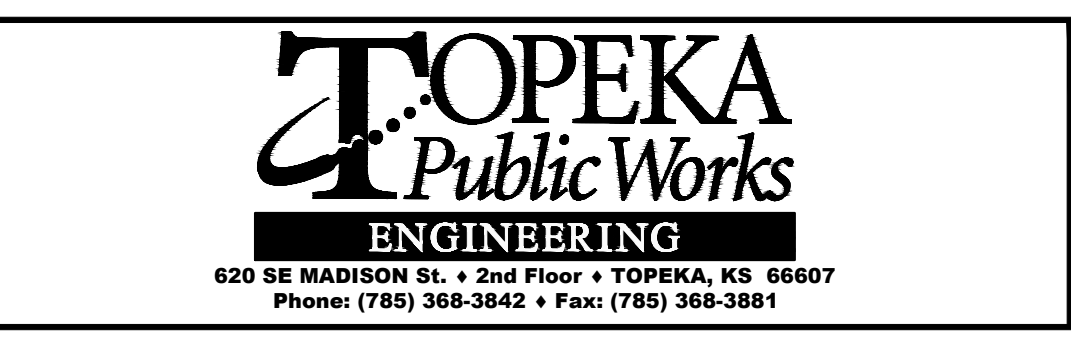
	CONSTRUCTION ZONE
	SIGN
	TYPE III BARRICADE
	TYPE II BARRICADE
	MOUNT ON TYPE II BARRICADE

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE	REVISION

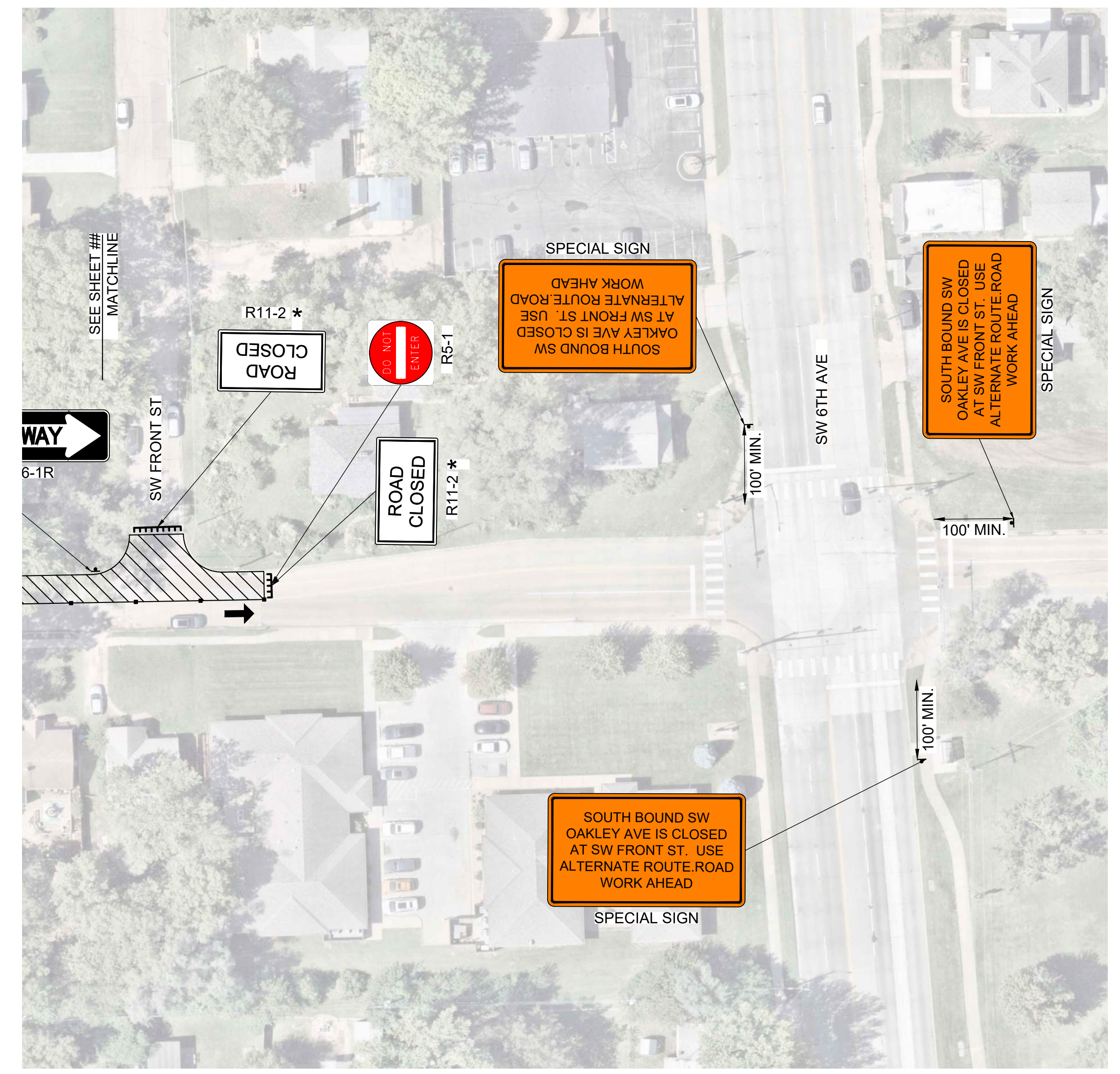
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 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
 ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 5 SHEET 1

DATE: APRIL 2026
 SHEET: 43 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



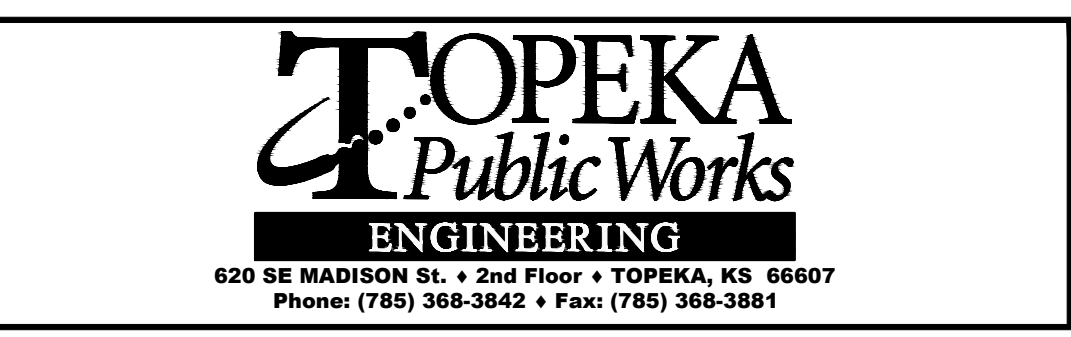
LEGEND

	CONSTRUCTION ZONE
	SIGN
	TYPE III BARRICADE
	MOUNT ON TYPE III BARRICADE
	TYPE II BARRICADE
	MOUNT ON TYPE II BARRICADE

NOTES:
 1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS TO ALL RESIDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE PLACEMENT OF THE ROADWAY PAVEMENT FROM ONE DRIVEWAY TO THE NEXT DRIVEWAY TO ENSURE ALL RESIDENTS HAVE ACCESS TO THEIR PRIVATE DRIVES.

NO.	DATE:	REVISION

DRAWN BY: CTS
 DESIGNED BY: MKS
 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

TRAFFIC CONTROL
 PHASE 5 SHEET 2

DATE: APRIL 2026
 SHEET: 44 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000

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

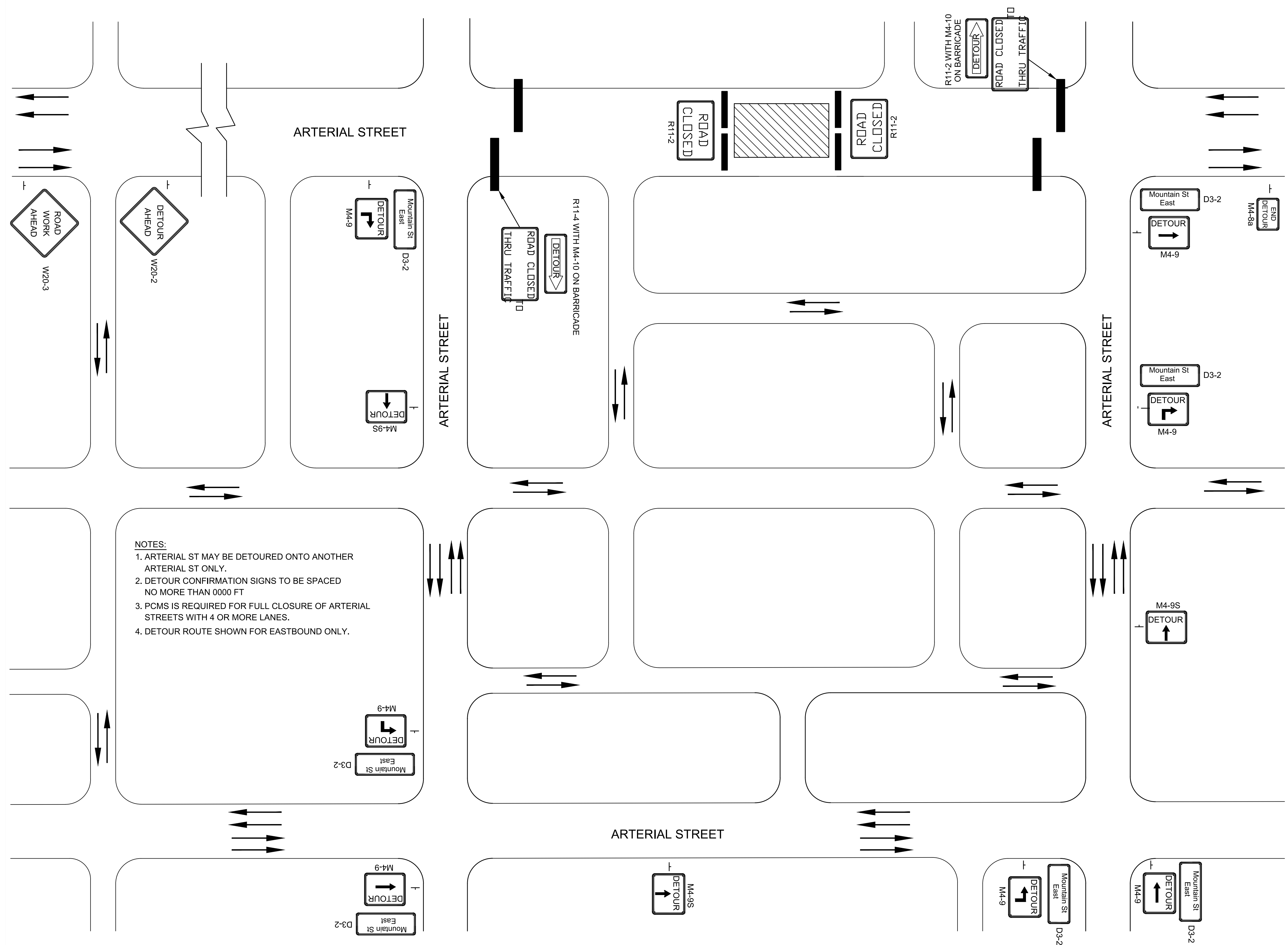
SPEED LIMIT	TAPER (L) 12' LANE	SIGN SPACING (X)	BUFFER SPACE
20mph	80'	100'	115'
25mph	125'	100'	155'
30mph	180'	100'	200'
35mph	245'	100'	250'
40mph	320'	100'	305'
45mph	540'	350'	360'

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

- = SIGN
- = ARROW PANEL BOARD
- = TYPE III BARRICADE
- = WORK SPACE
- = CHANNELIZING DEVICES
- = FLAGGER



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.

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

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

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
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STANDARD DETAILS
DT - 118 A

TRAFFIC CONTROL
Arterial Street Closure

DATE:	APRIL 2026
SHEET:	45 OF 74
PROJ.:	841099.07
PEC#:	250987-000

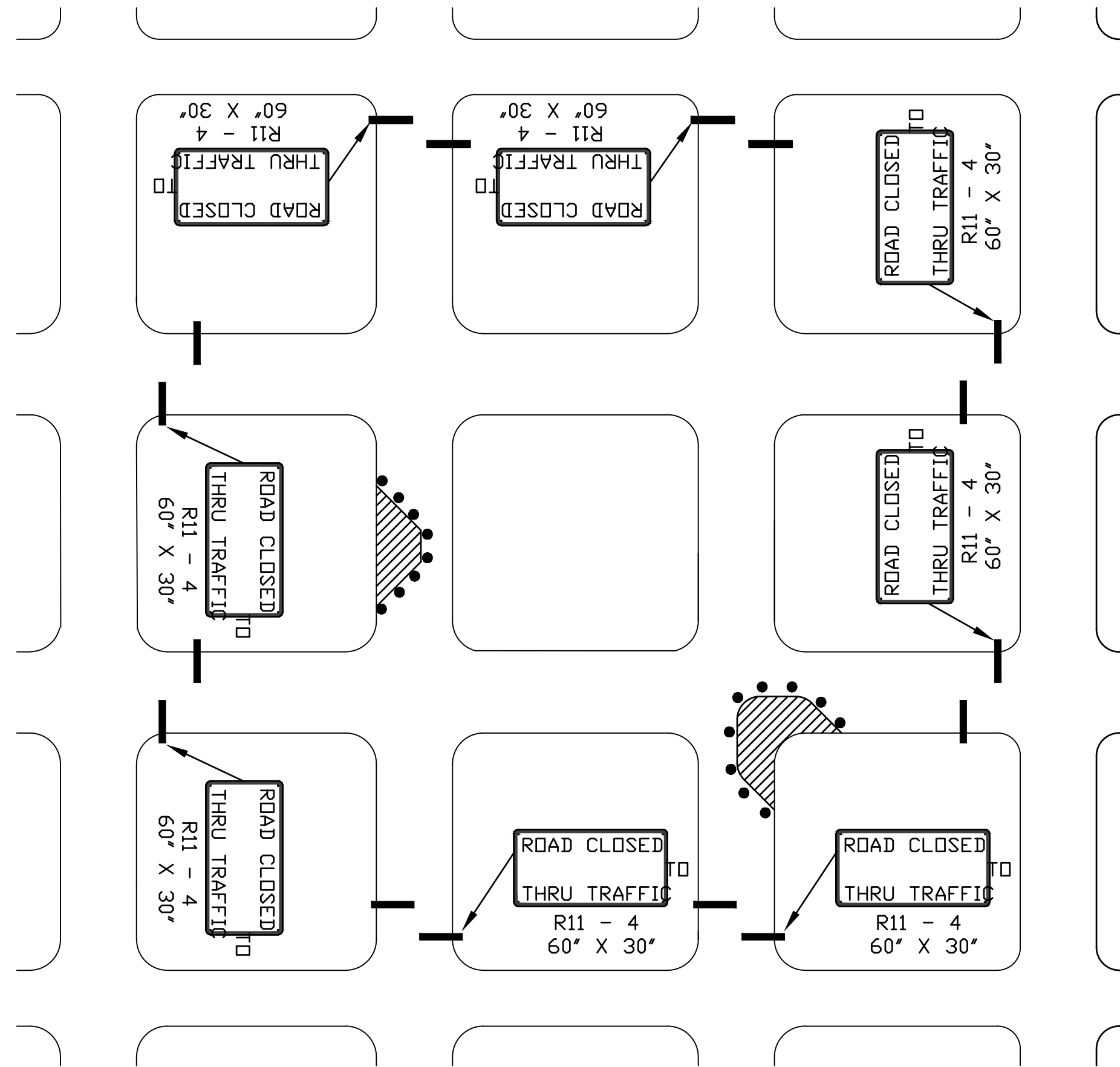
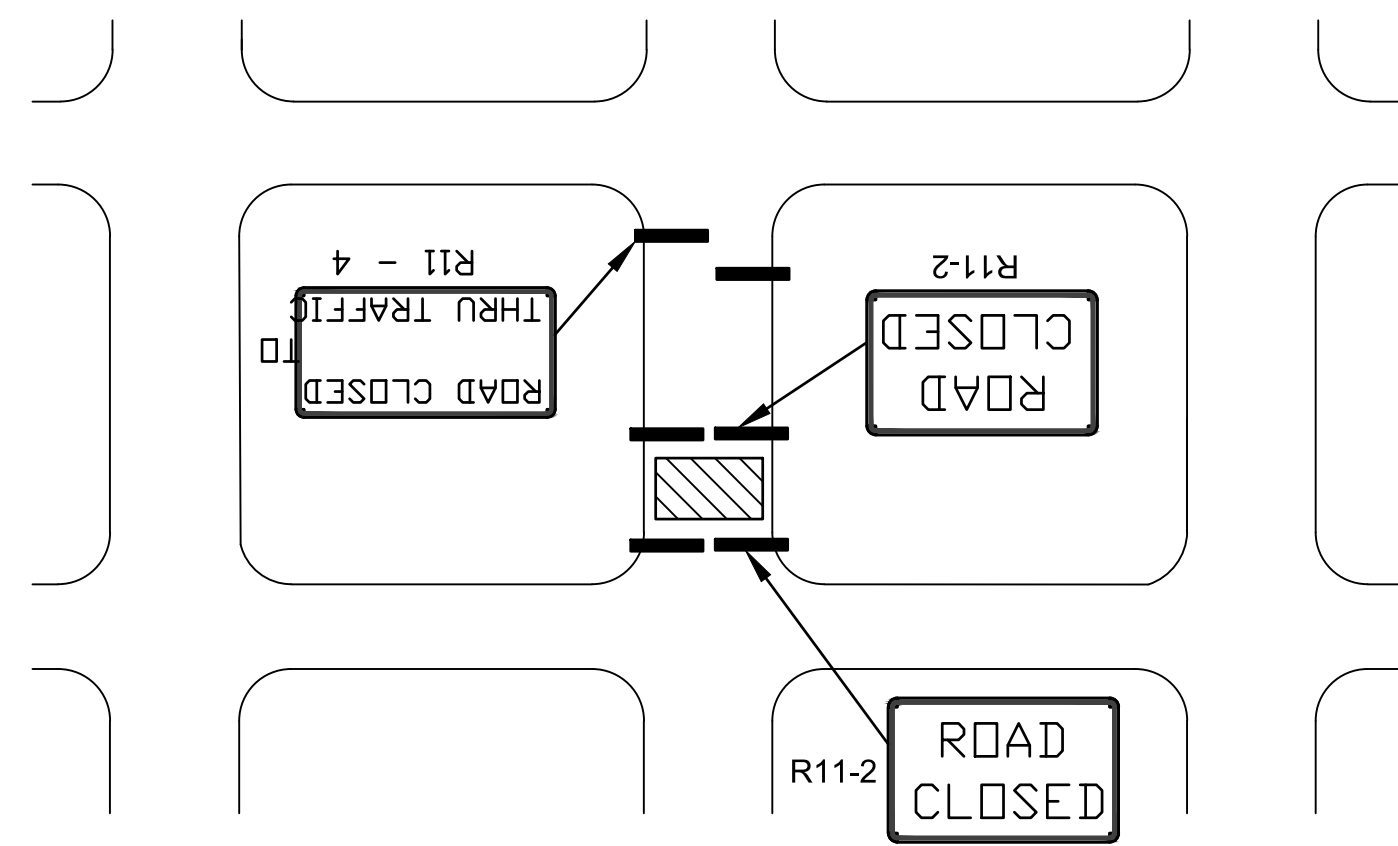


FIGURE - 118 B (1)
CONSTRUCTION WORK ON RESIDENTIAL / LOCAL STREETS



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

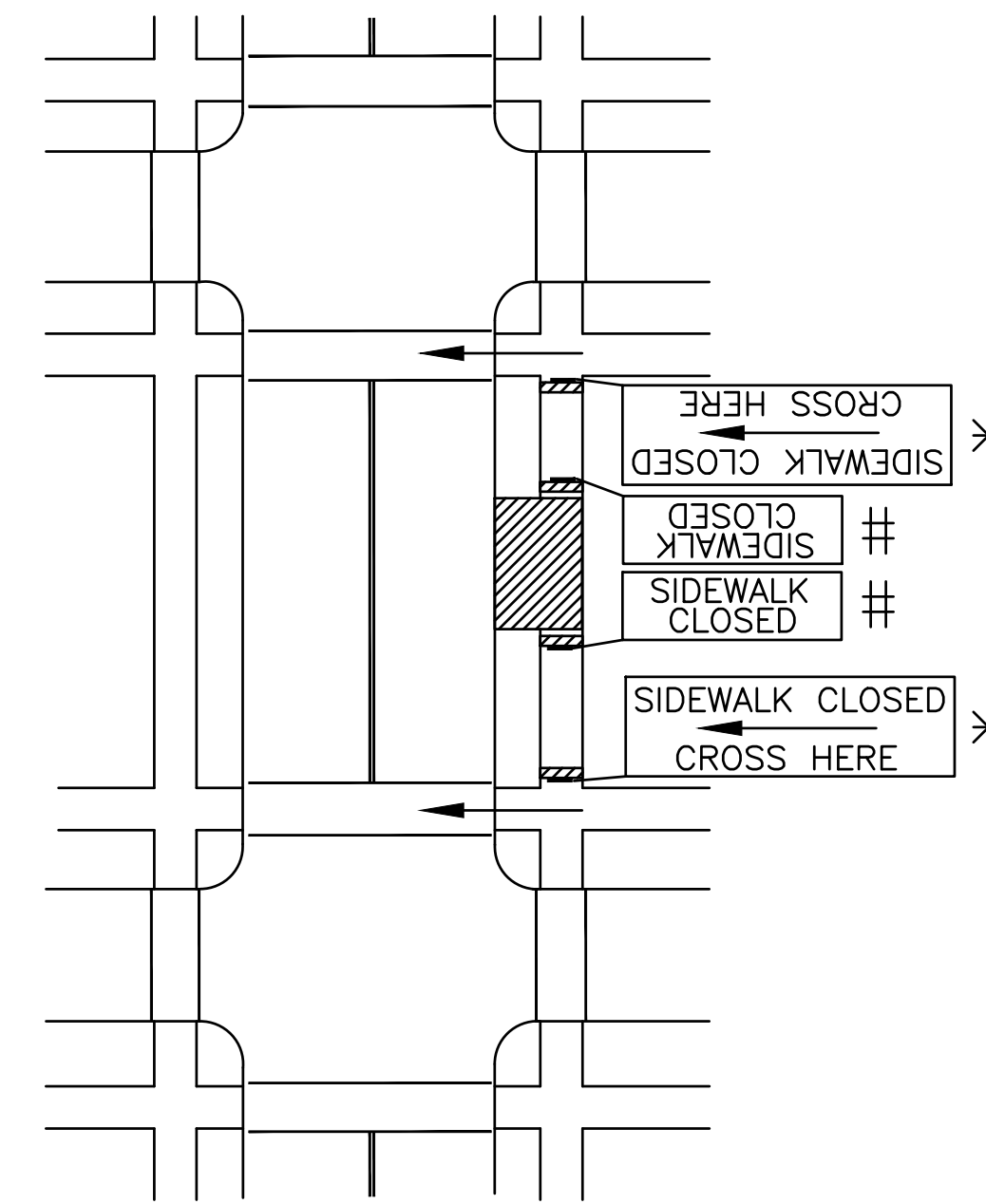


FIGURE - 118 B (3)
MID-BLOCK SIDEWALK CLOSURE WITH PEDESTRIAN DETOUR

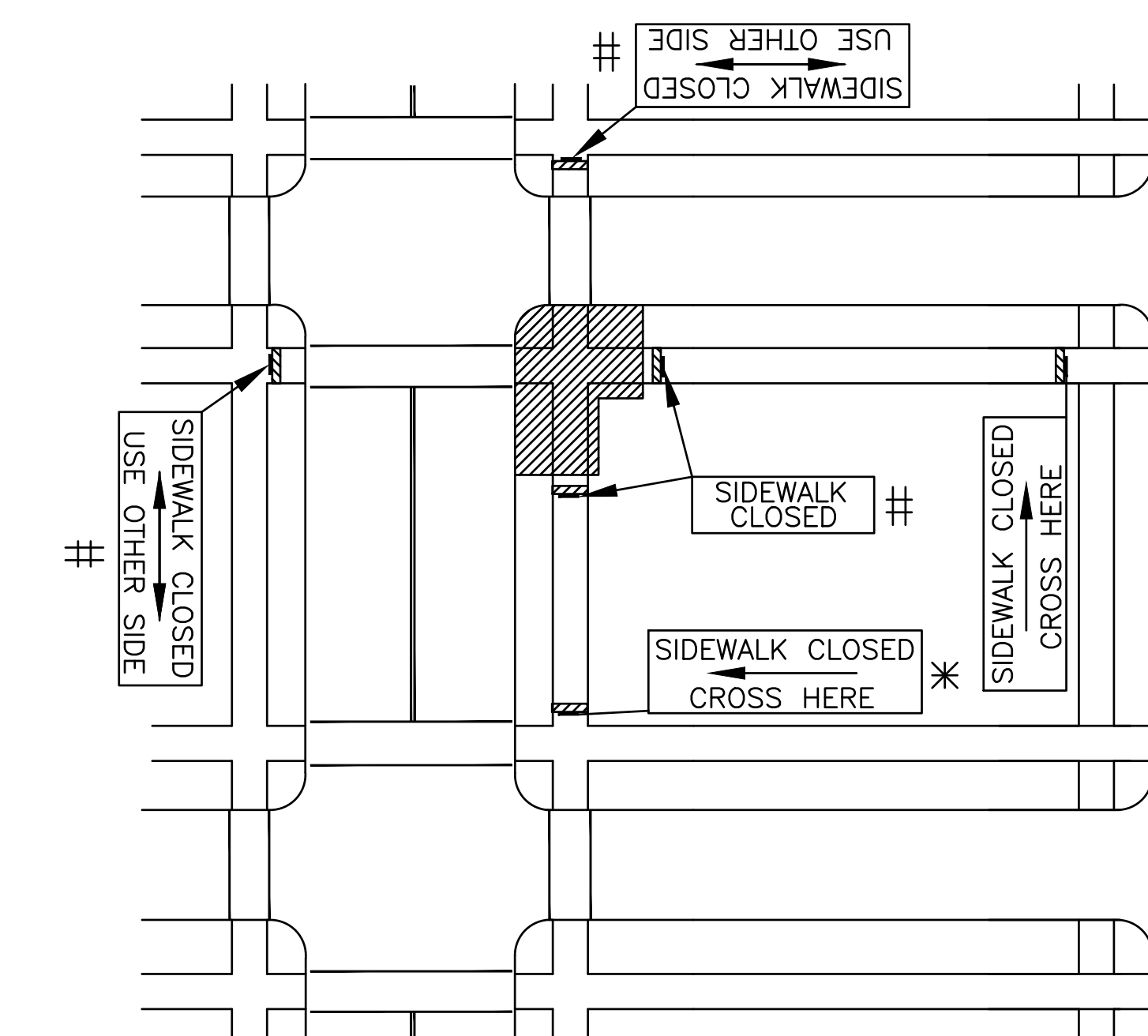


FIGURE - 118 B (4)
CORNER SIDEWALK CLOSURE WITH PEDESTRIAN DETOUR

* 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

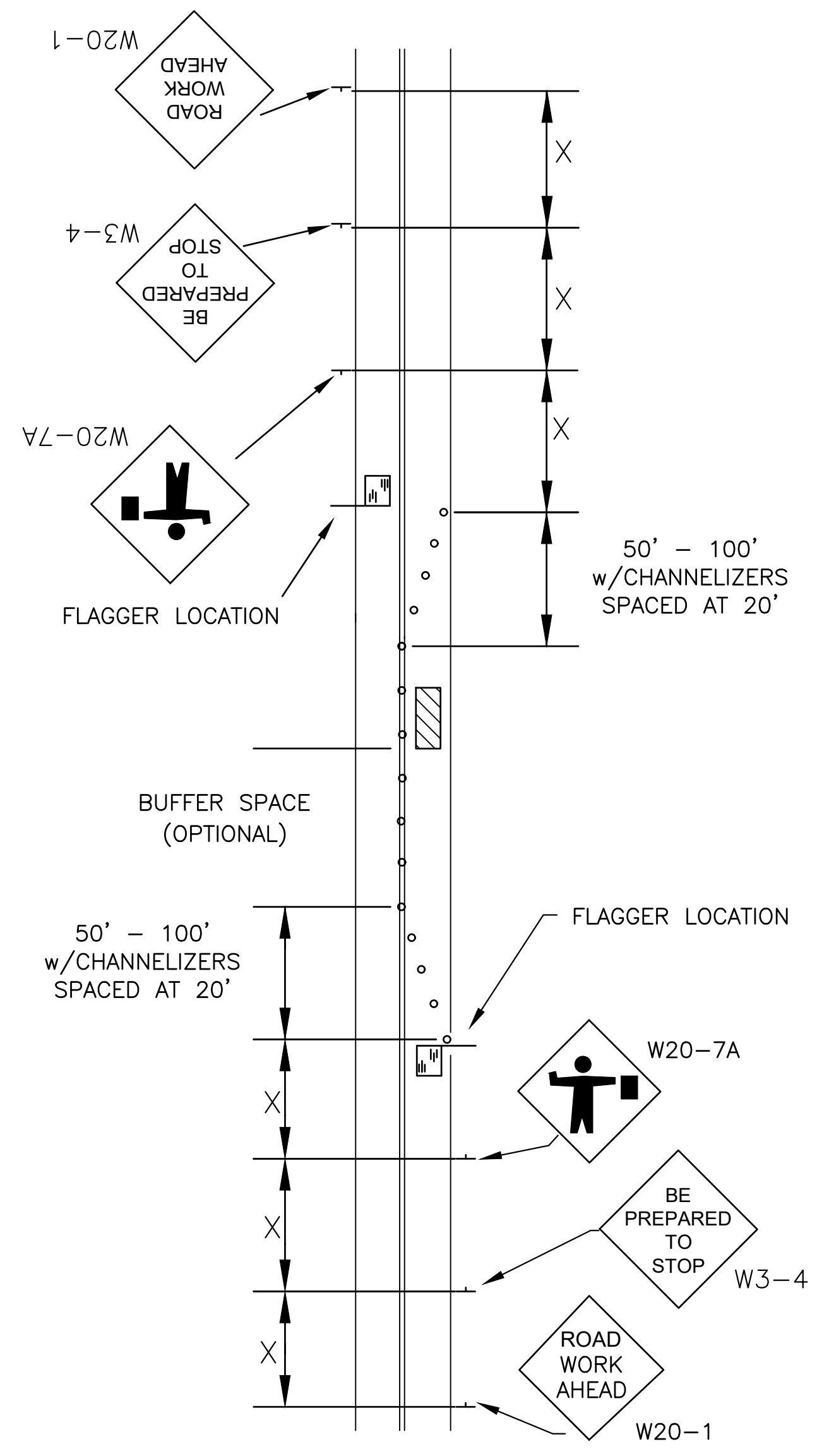
SHAWNEE COUNTY, KANSAS
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1515 NW SALINE
TOPEKA, KS 66618
(785) 233-7702

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Public Works
ENGINEERING
620 SE MADISON St. • 2nd Floor • TOPEKA, KS 66607
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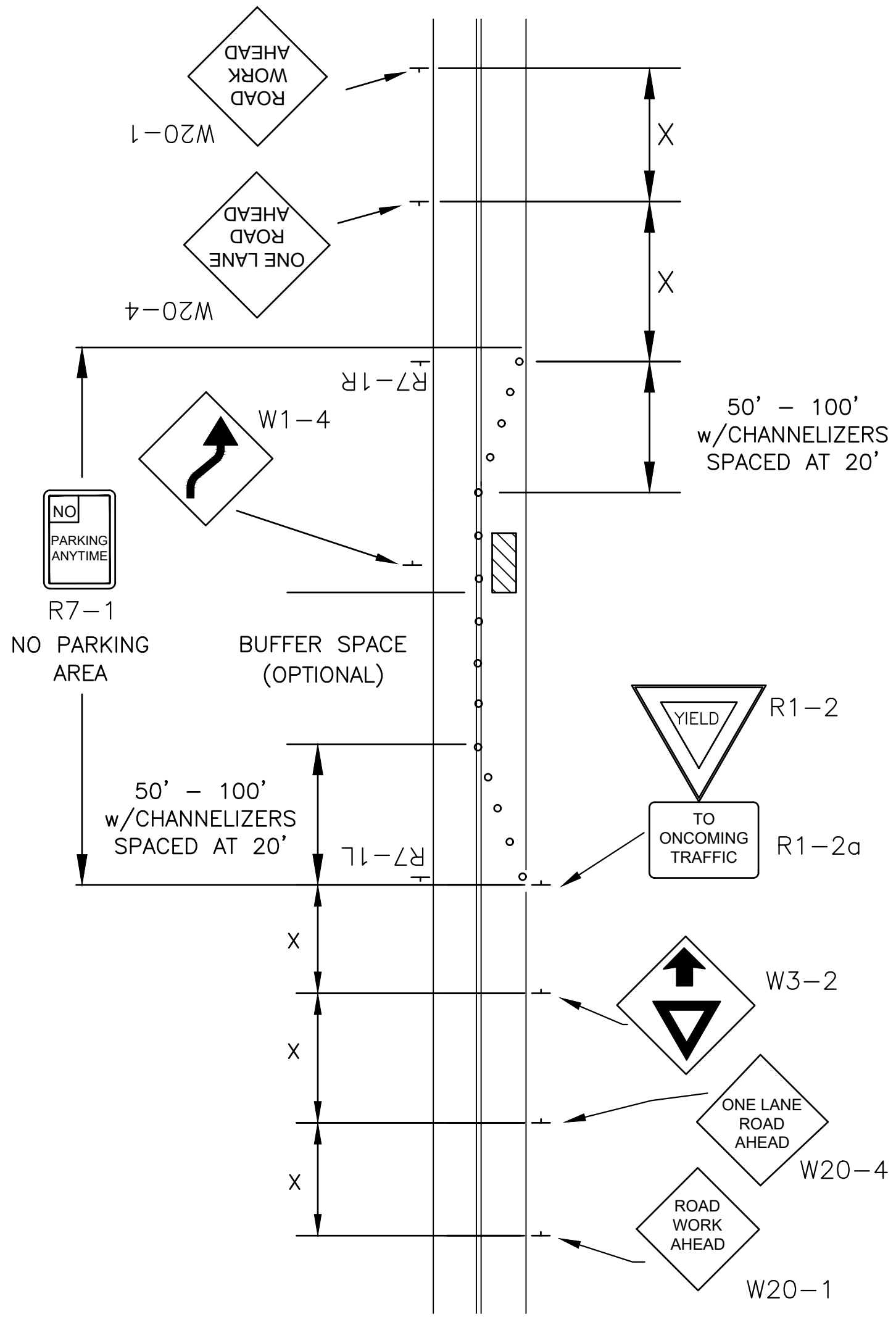
STANDARD DETAILS
DT - 118 B

TRAFFIC CONTROL

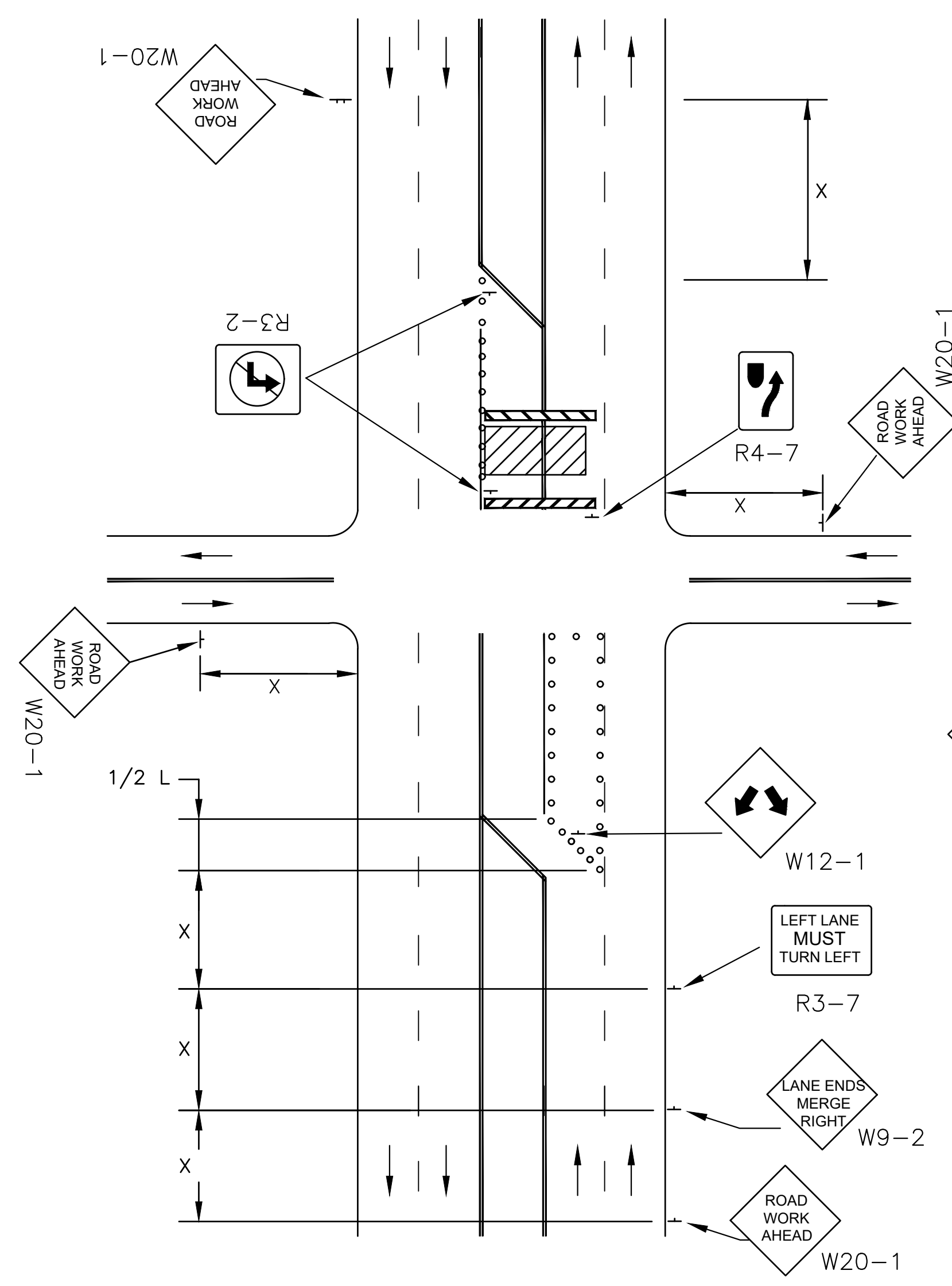
DATE: APRIL 2026
SHEET: 46 OF 74
PROJ.: 841099.07
PEC#: 250987-000



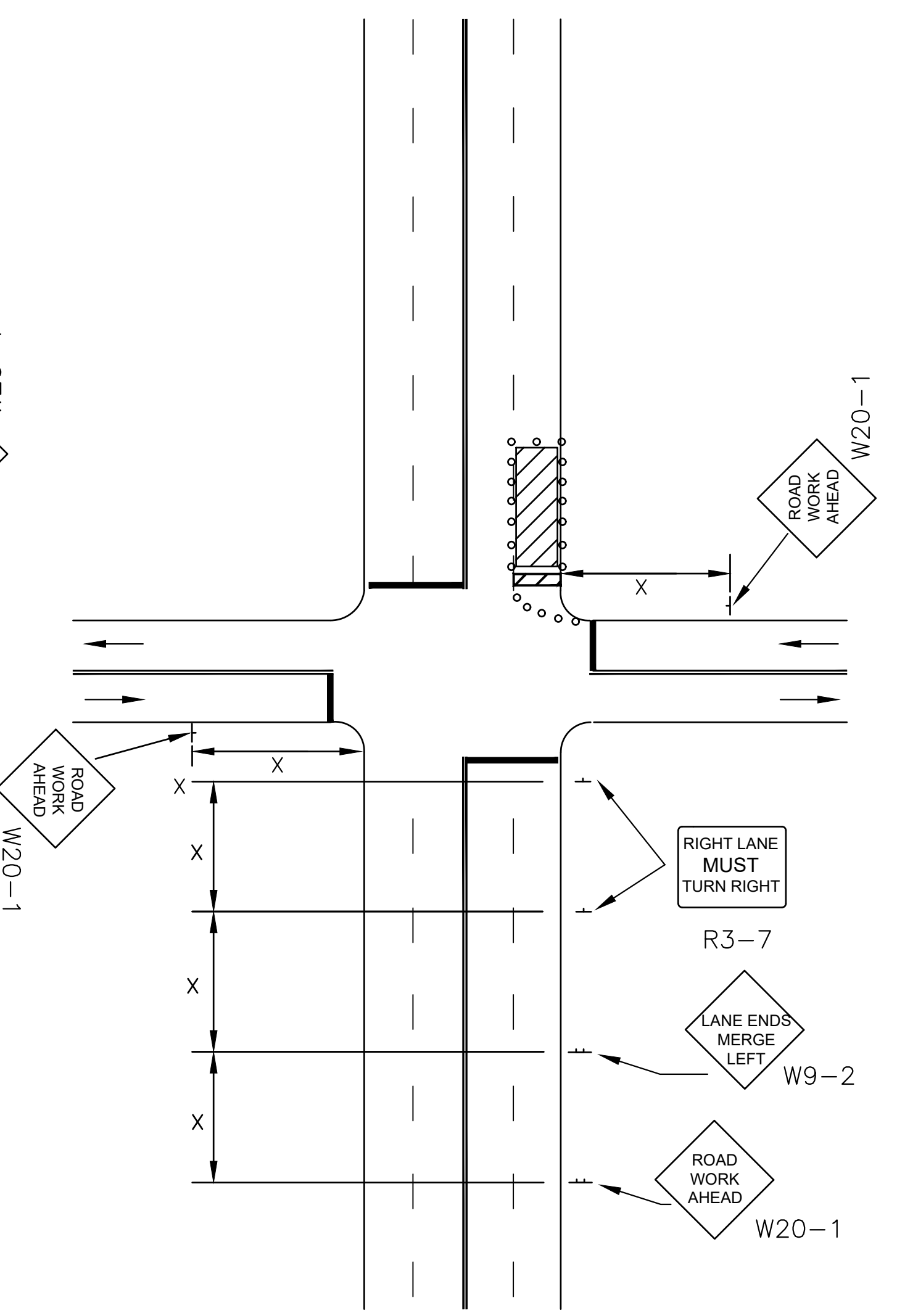
**LANE CLOSURE ON TWO-LANE ROAD
W/ FLAGGER, DAYTIME ONLY**



**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**

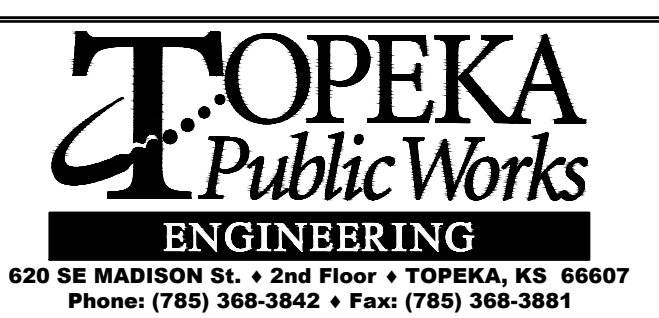
REFER TO SHEET DT-118 FOR TAPER LENGTH(L) AND SIGN SPACING(X) VALUES

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



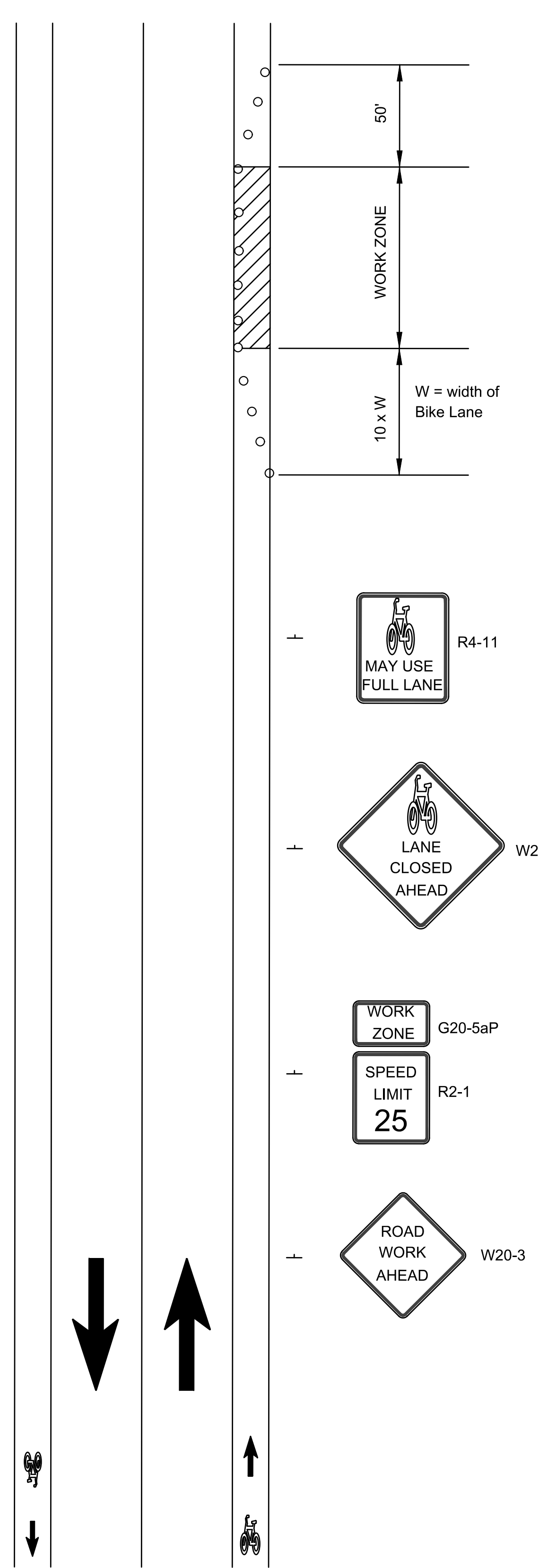
**SHAWNEE COUNTY, KANSAS
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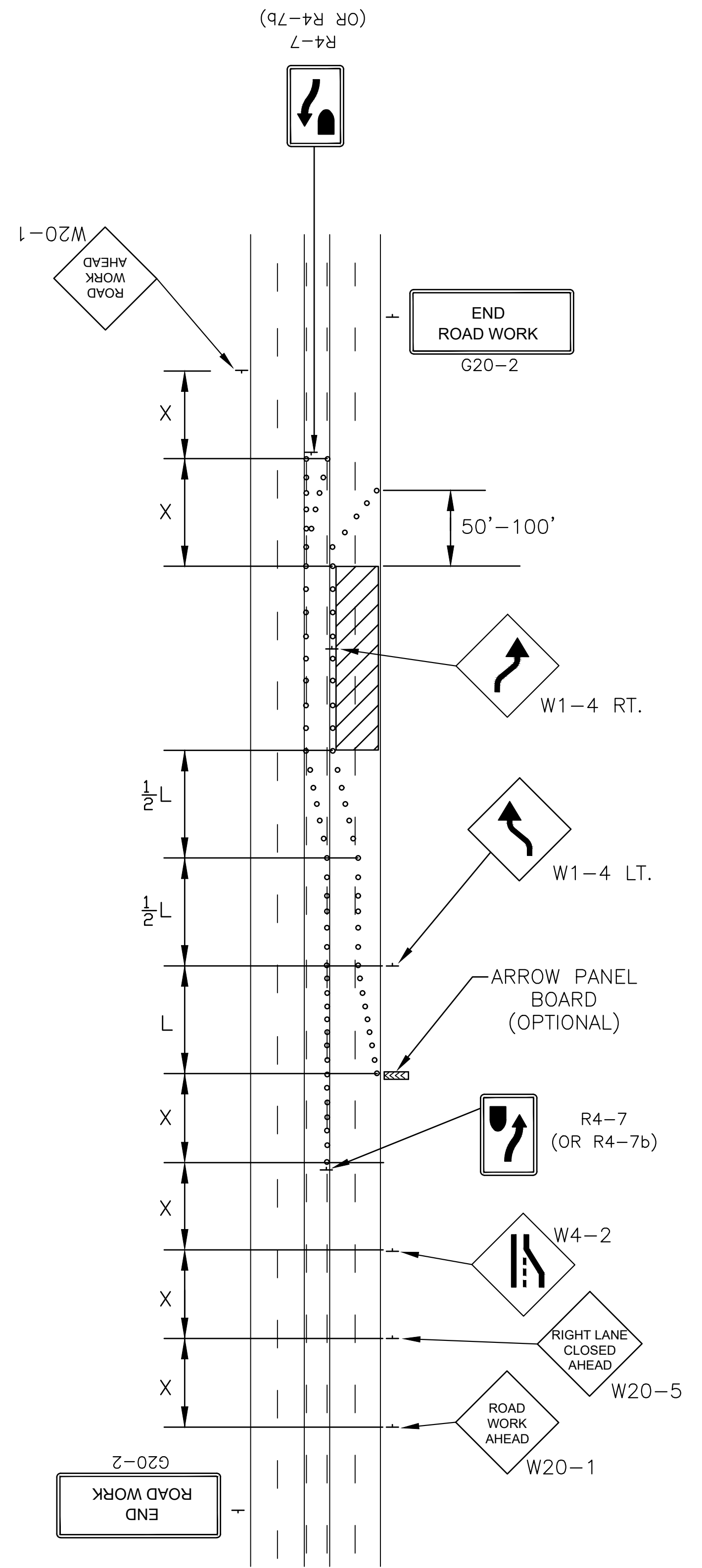
**STANDARD DETAILS
DT - 119**

TRAFFIC CONTROL

DATE: APRIL 2026
SHEET: 47 OF 74
PROJ.: 841099.07
PEC#: 250987-000

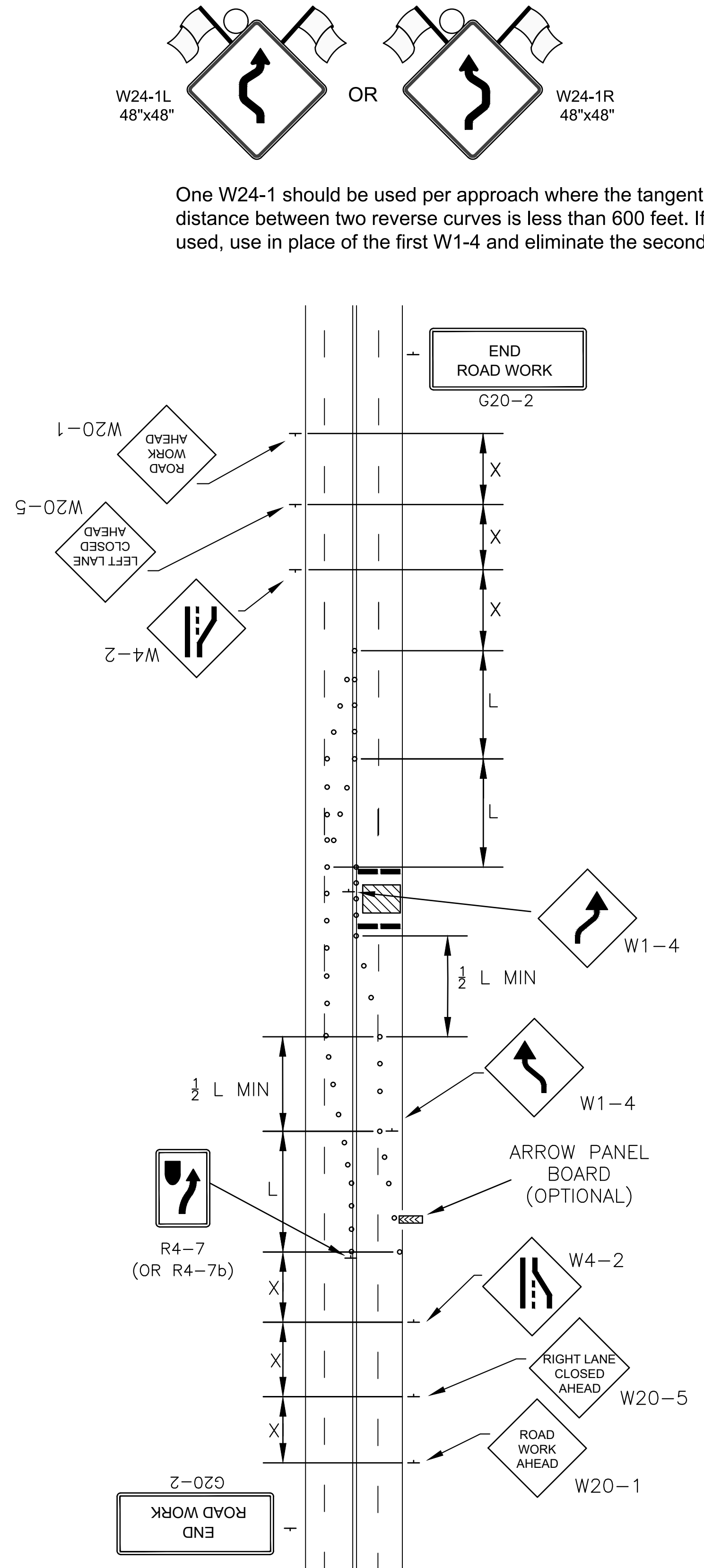


**FIGURE - 120 A (1)
BIKE LANE CLOSURE**

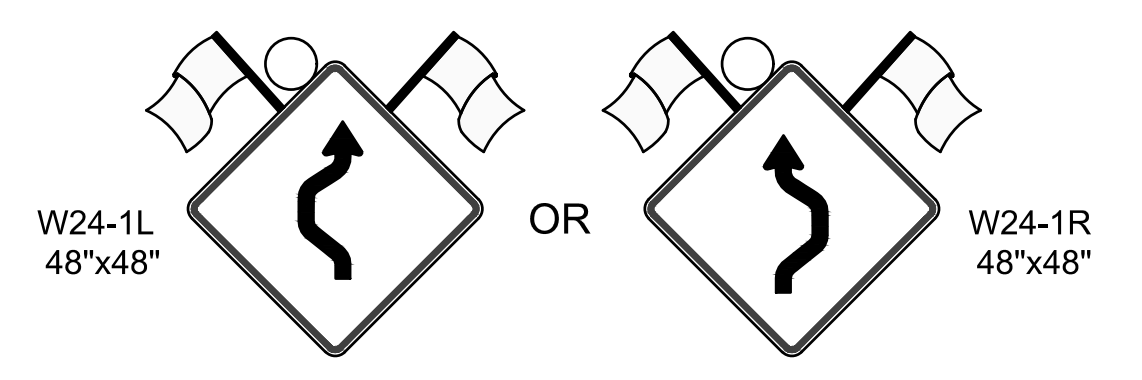


**FIGURE - 120 A (2)
FIVE LANE ROADWAY
w/ TWO LANES CLOSED**

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

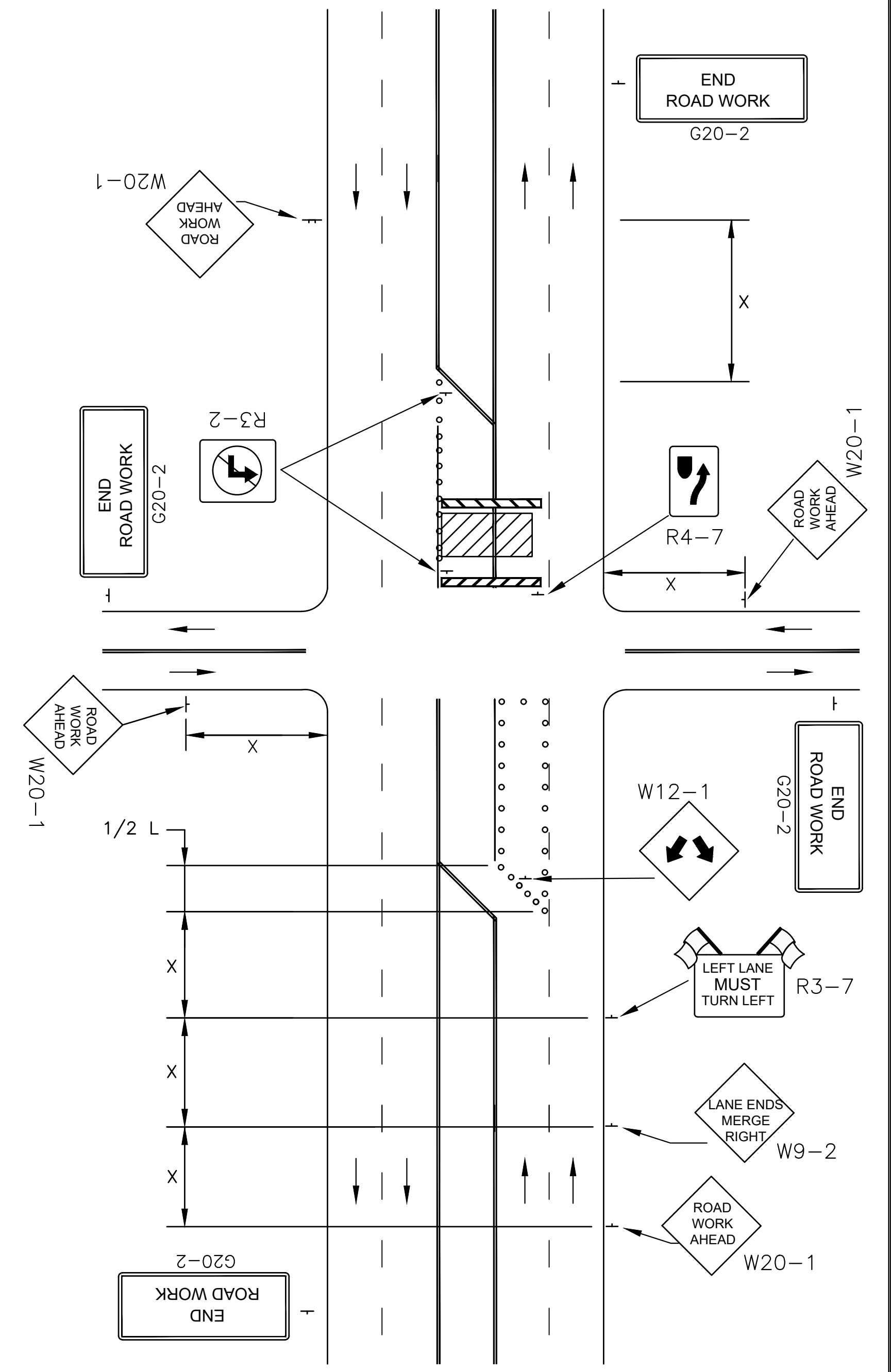


**FIGURE - 120 A (3)
4-LANE UNDIVIDED ROADWAY-HALF
ROADWAY IS CLOSED**



One W24-1 should be used per approach where the tangent distance between two reverse curves is less than 600 feet. If used, use in place of the first W1-4 and eliminate the second.

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



**FIGURE - 120 A (4)
MULTIPLE LANE CLOSURE AT AN INTERSECTION**

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

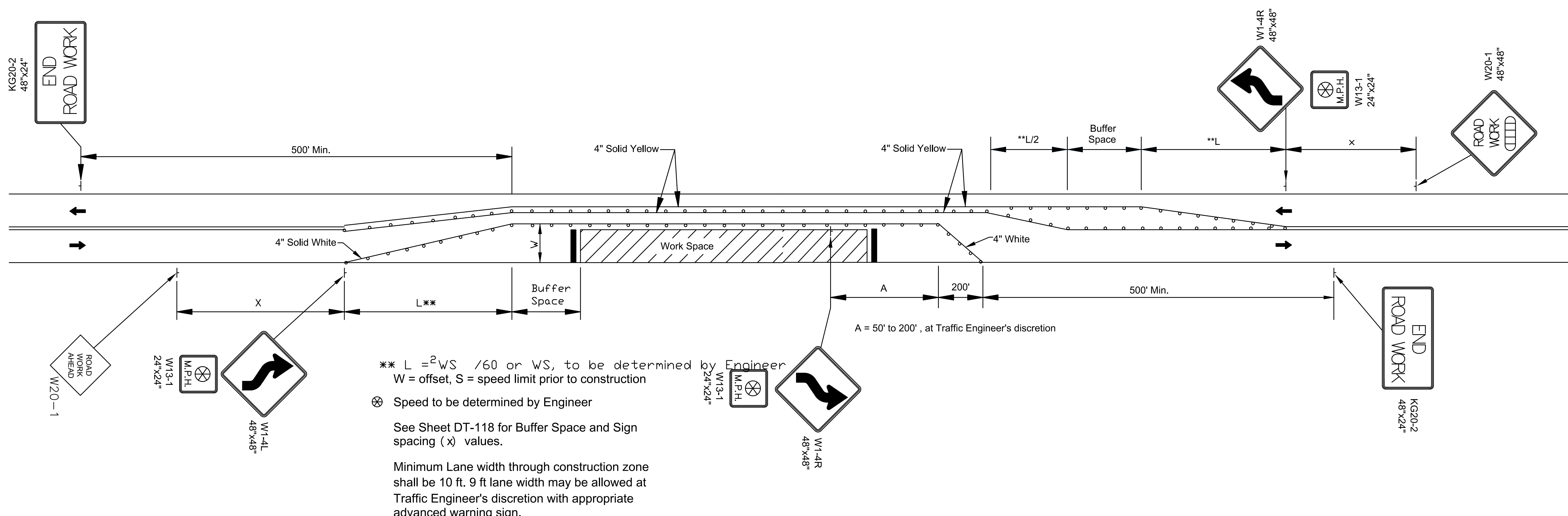
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STANDARD DETAILS
DT - 120 A

TRAFFIC CONTROL
MULTI LANE CLOSURE
BIKE LANE CLOSURE

DATE: APRIL 2026
SHEET: 48 OF 74
PROJ.: 841099.07
PEC#: 250987-000



**** L = $\frac{WS^2}{60}$ or WS, to be determined by Engineer**
 W = offset, S = speed limit prior to construction

⊗ Speed to be determined by Engineer

See Sheet DT-118 for Buffer Space and Sign spacing (x) values.

Minimum Lane width through construction zone shall be 10 ft. 9 ft lane width may be allowed at Traffic Engineer's discretion with appropriate advanced warning sign.

FIGURE - 120 B (1)
ROAD WORK ON WIDE TWO
LANE ROADWAY

LEGEND	
	= SIGN
	= TYPE III BARRICADE
	= CHANNELIZING DEVICES
	= ARROW PANEL BOARD
	= WORK SPACE
	= FLAGGER

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

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

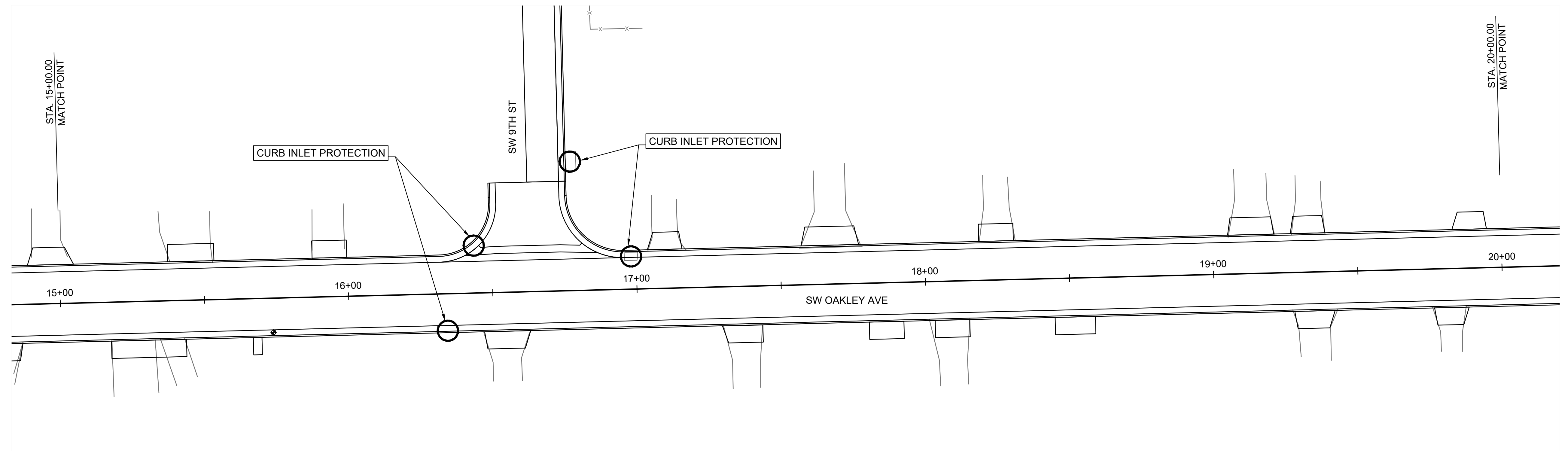
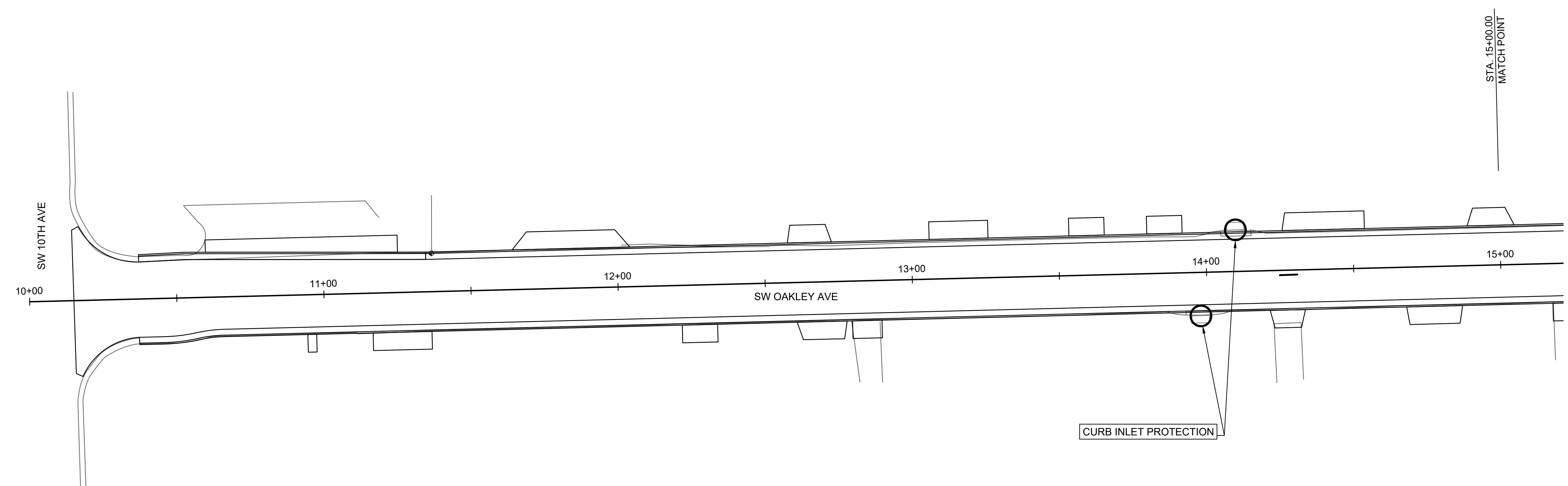
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STANDARD DETAILS
 DT - 120 B

TRAFFIC CONTROL
 CONSTRUCTION ON WIDE TWO LANE ROAD

DATE: APRIL 2026
 SHEET: 49 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



EROSION CONTROL LEGEND

- PROPOSED INLET PROTECTION
- PROPOSED SILT FENCE

NO.	DATE	REVISION

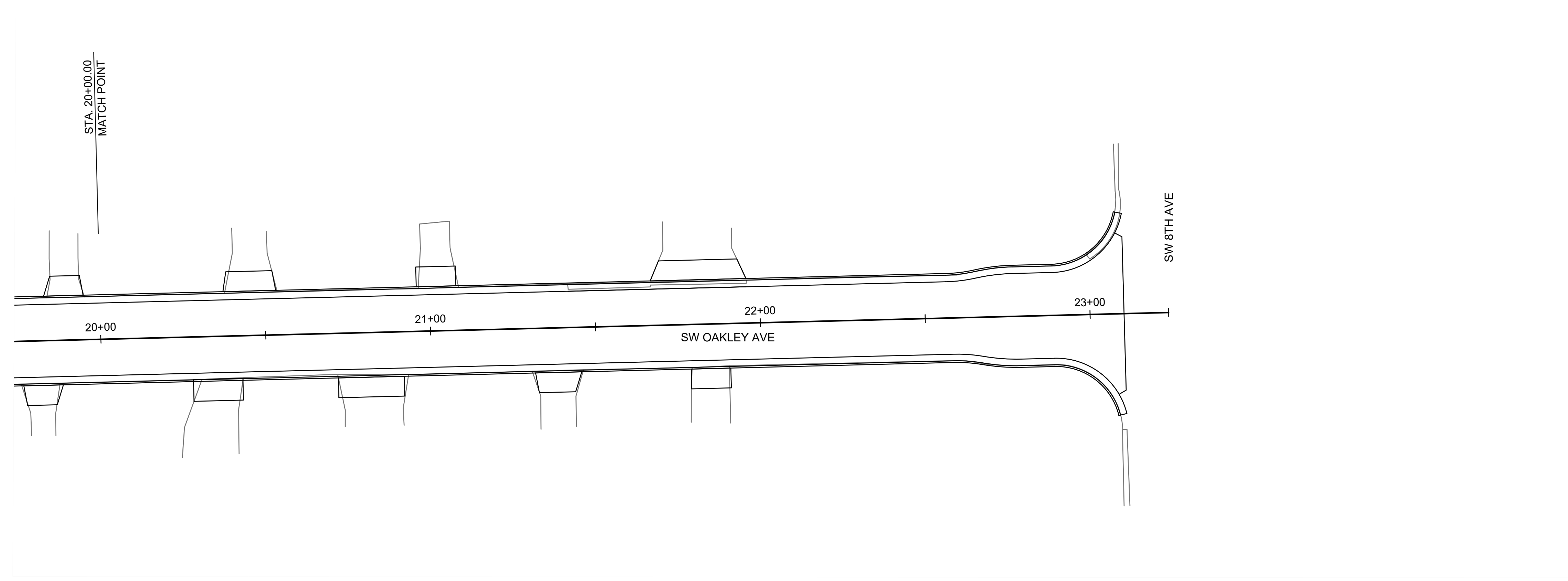
DRAWN BY: CTS
 DESIGNED BY: MKS
 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

EROSION CONTROL
 STA. 10+00.00 - STA. 20+00.00

DATE: APRIL 2026
 SHEET: 51 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



EROSION CONTROL LEGEND

- PROPOSED INLET PROTECTION
- PROPOSED SILT FENCE

NO.	DATE	REVISION

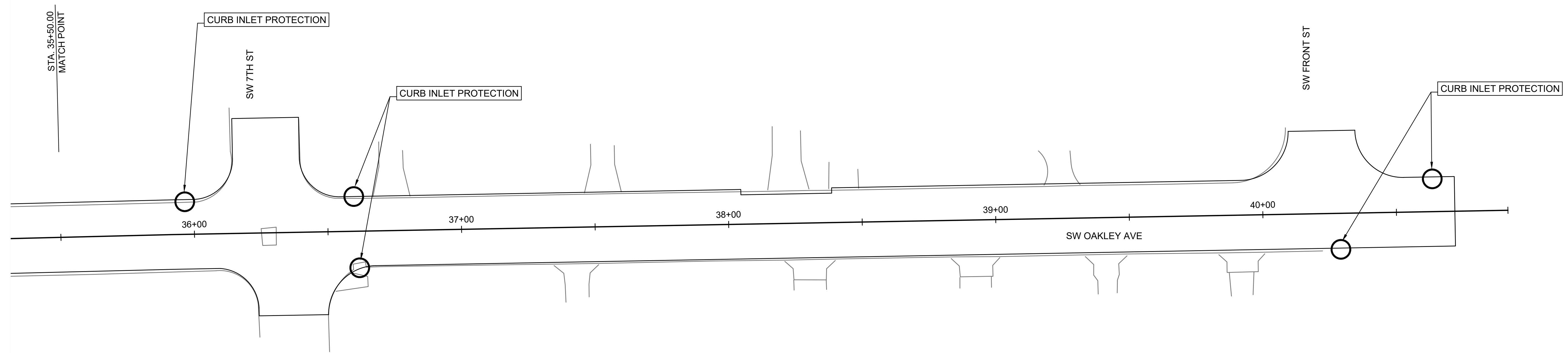
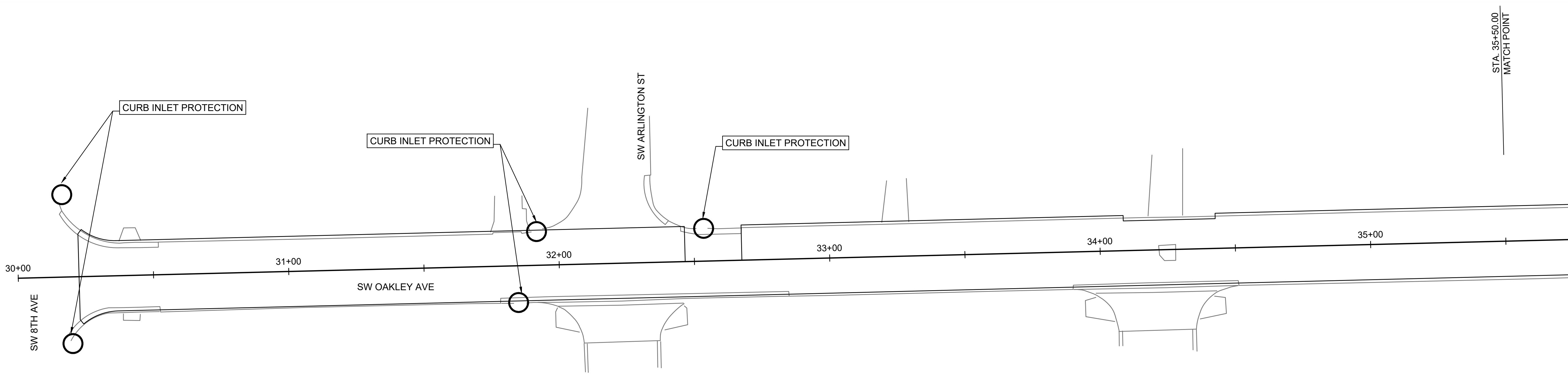
DRAWN BY: CTS
 DESIGNED BY: MKS
 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

EROSION CONTROL
 STA. 20+00.00 - STA. 23+23.80

DATE: APRIL 2026
 SHEET: 52 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000

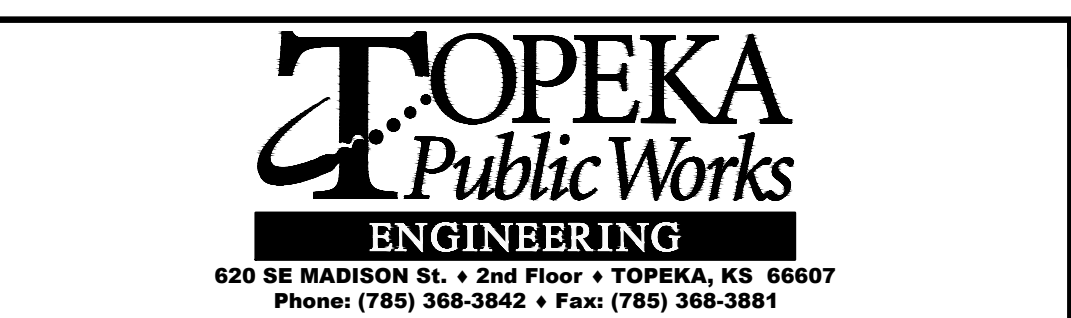


EROSION CONTROL LEGEND

- PROPOSED INLET PROTECTION
- PROPOSED SILT FENCE

NO.	DATE	REVISION

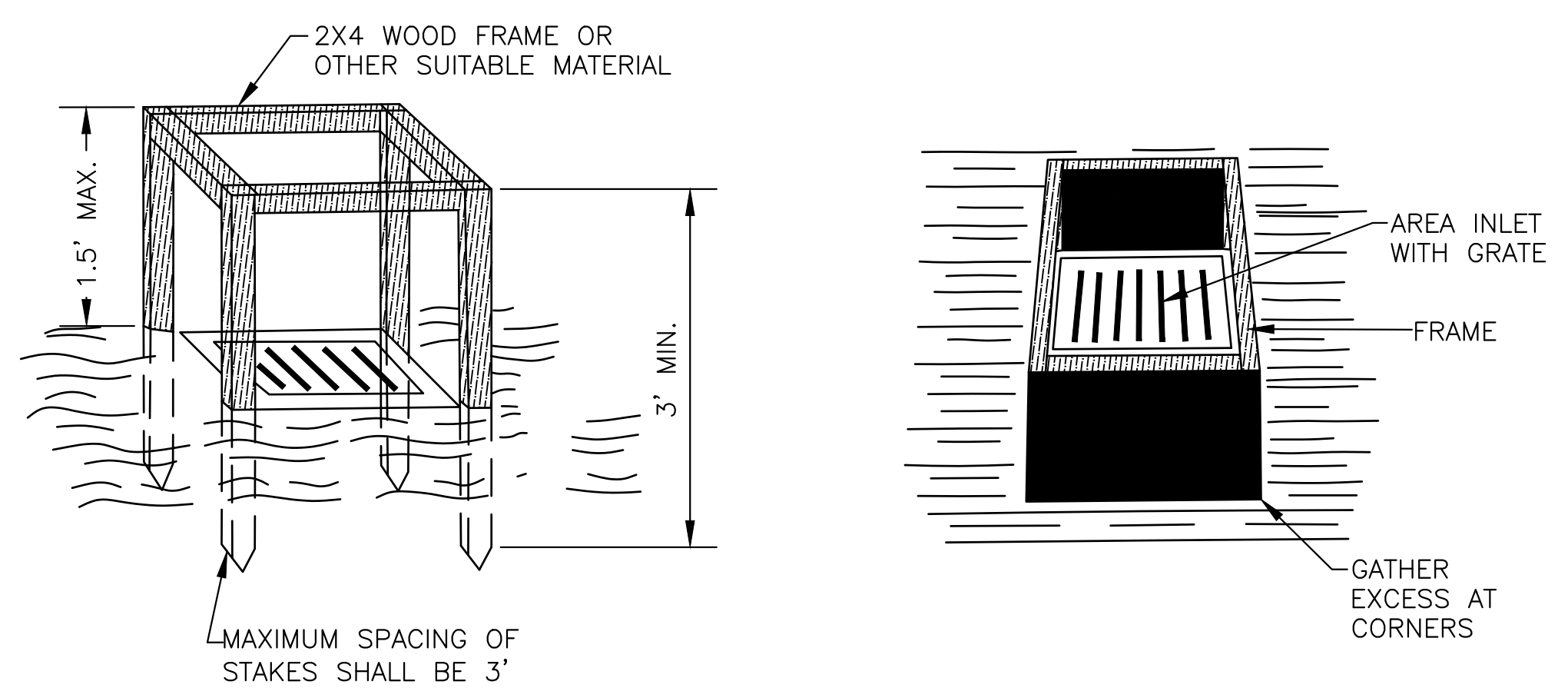
DRAWN BY: CTS
 DESIGNED BY: MKS
 APPROVED BY: FSA
 SURVEYED BY: COT
 TOPEKA PM: JH



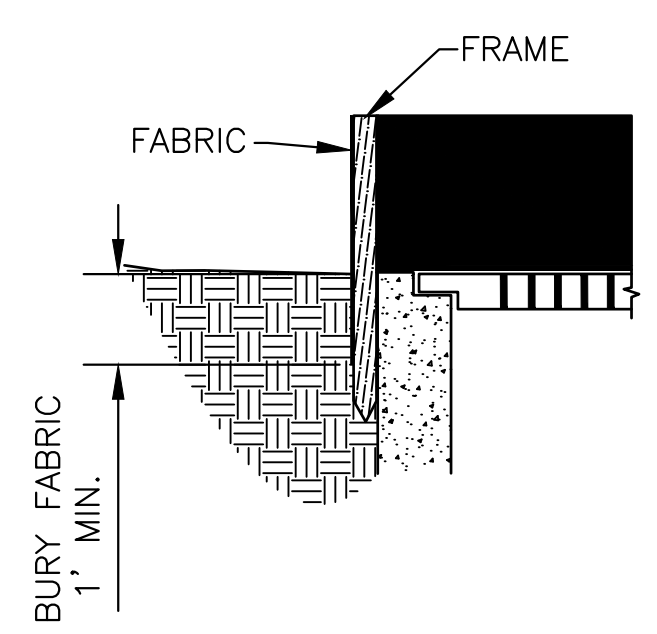
SW OAKLEY AVENUE
 FROM SW 10TH AVENUE TO SW FRONT STREET
ROADWAY IMPROVEMENT PROJECT NO. 841099.07
 SANITARY SEWER PROJECT NO. 291109.02

EROSION CONTROL
 STA. 30+00.00 - STA. 40+91.75

DATE: APRIL 2026
 SHEET: 53 OF 74
 PROJ.: 841099.07
 PEC#: 250987-000



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.

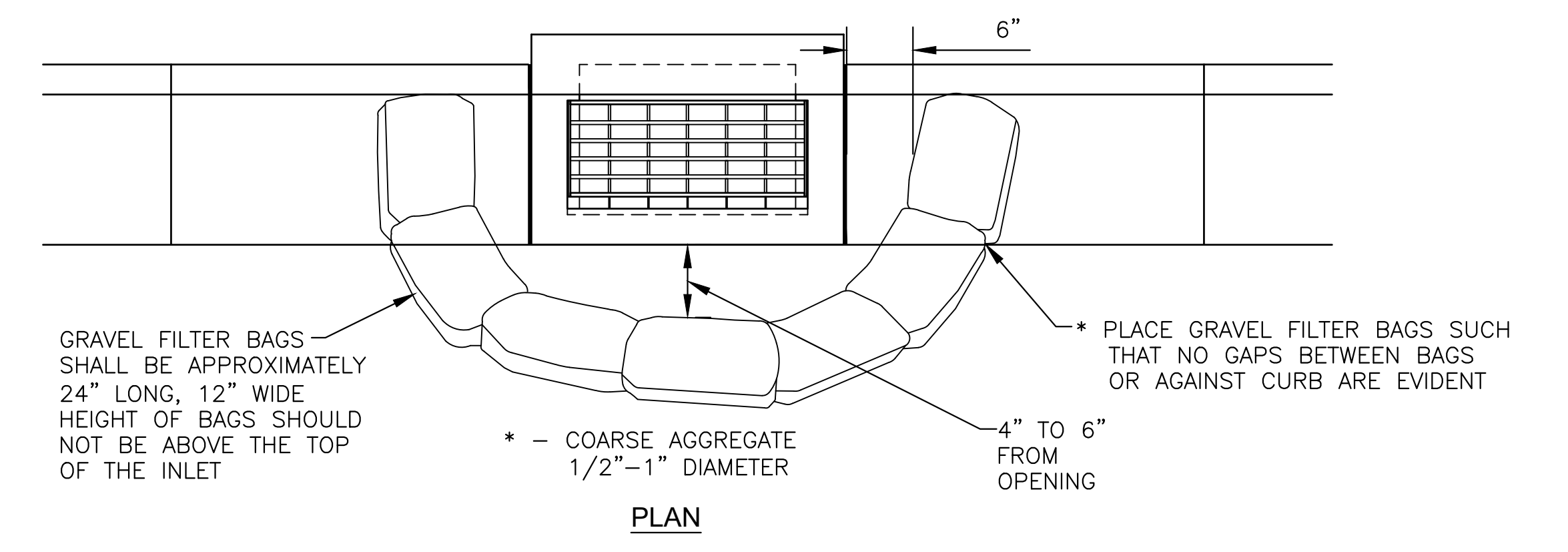
AREA INLET PROTECTION

GENERAL NOTES:

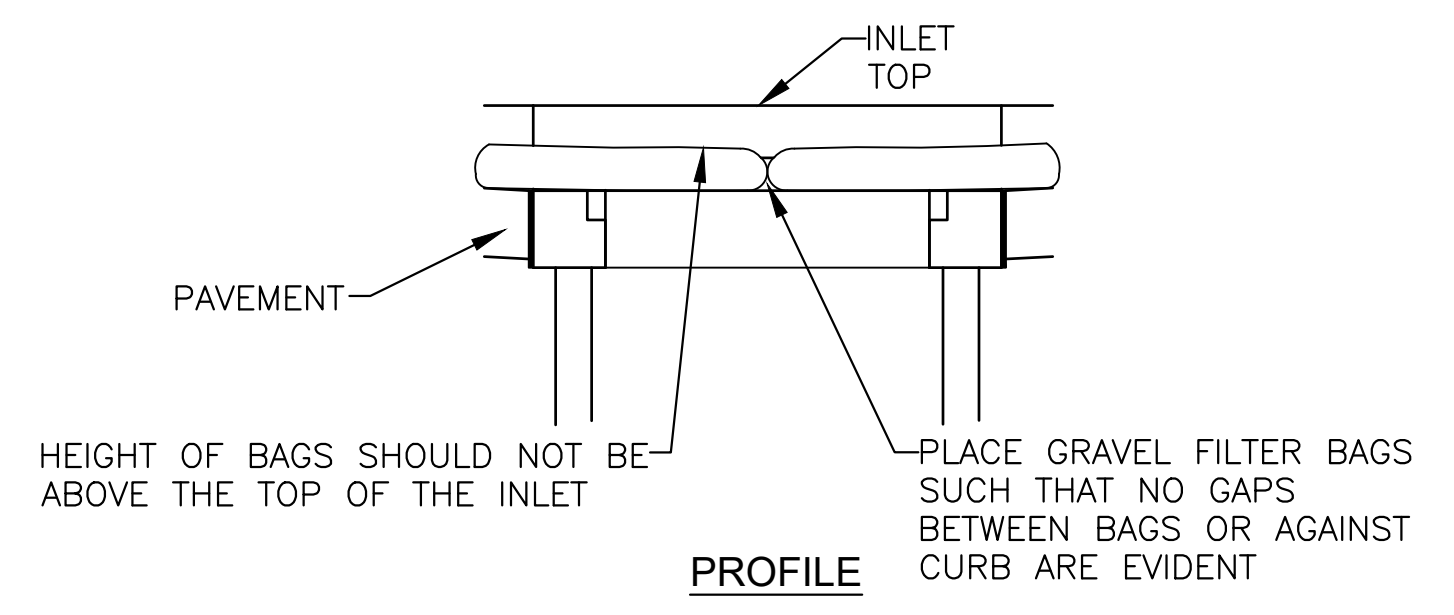
1. ANY EROSION AND SEDIMENT CONTROL MEASURES INTENDED TO CONTROL EROSION OF AN EARTH DISTURBANCE OPERATION SHALL BE INSTALLED BEFORE ANY EARTH DISTURBANCE OPERATIONS TAKE PLACE.
2. THE CONTRACTOR SHALL INSPECT THE LAND DISTURBANCE SITE AFTER EACH SIGNIFICANT RAINFALL EVENT WITHIN A 24-HOUR PERIOD AND 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

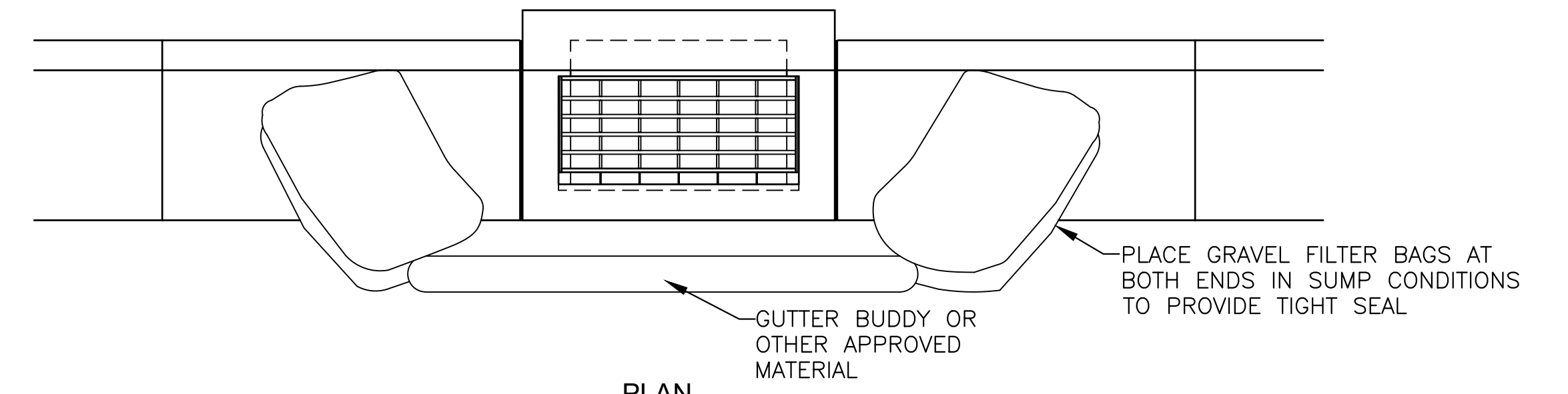
REPAIRS AND RESEEDING SHALL BE PERFORMED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER. IF VEGETATIVE MEASURES ARE NOT EFFECTIVE, NON-VEGETATIVE OPTION MAY BE REQUIRED.



PLAN



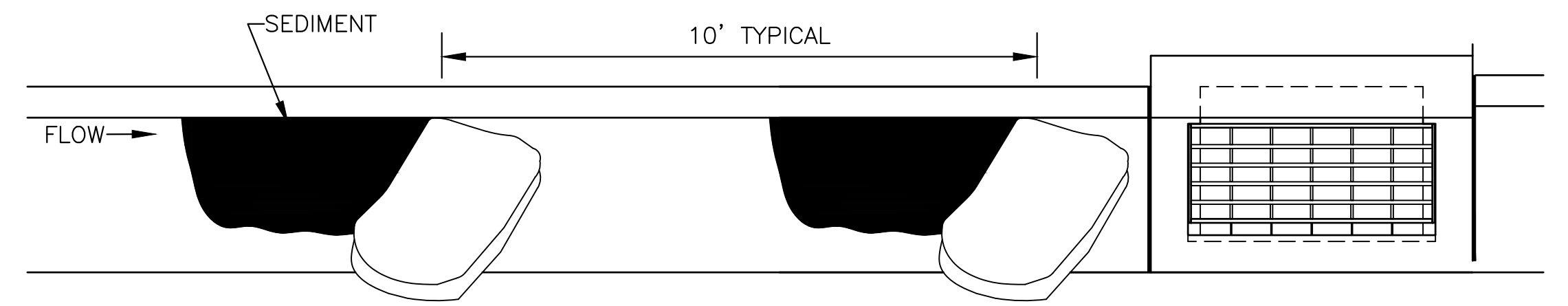
PROFILE



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.

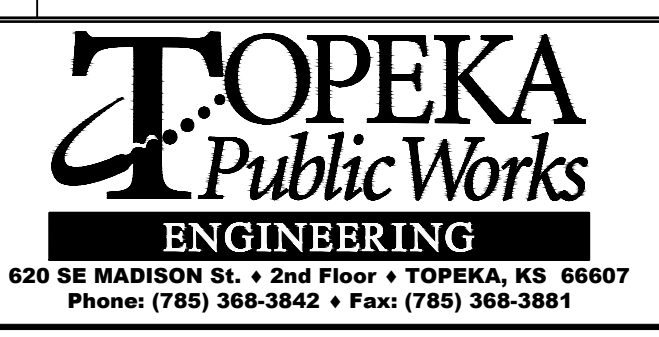
CURB INLET SEDIMENT PROTECTION

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



STANDARD DETAILS

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

DATE: APRIL 2026
SHEET: 54 OF 74
PROJ.: 841099.07
PEC#: 250987-000