

# PAVEMENT MARKING & SIGNING PLAN

## SR-24 (LEBANON PIKE)

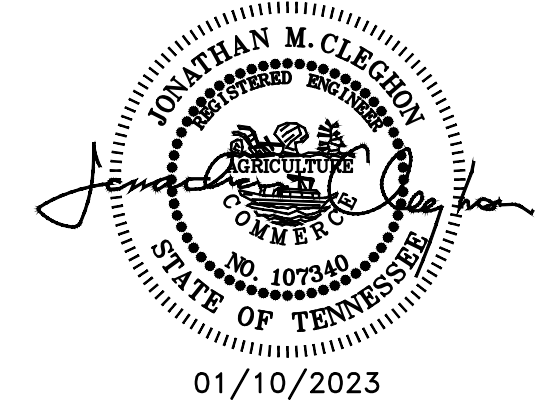
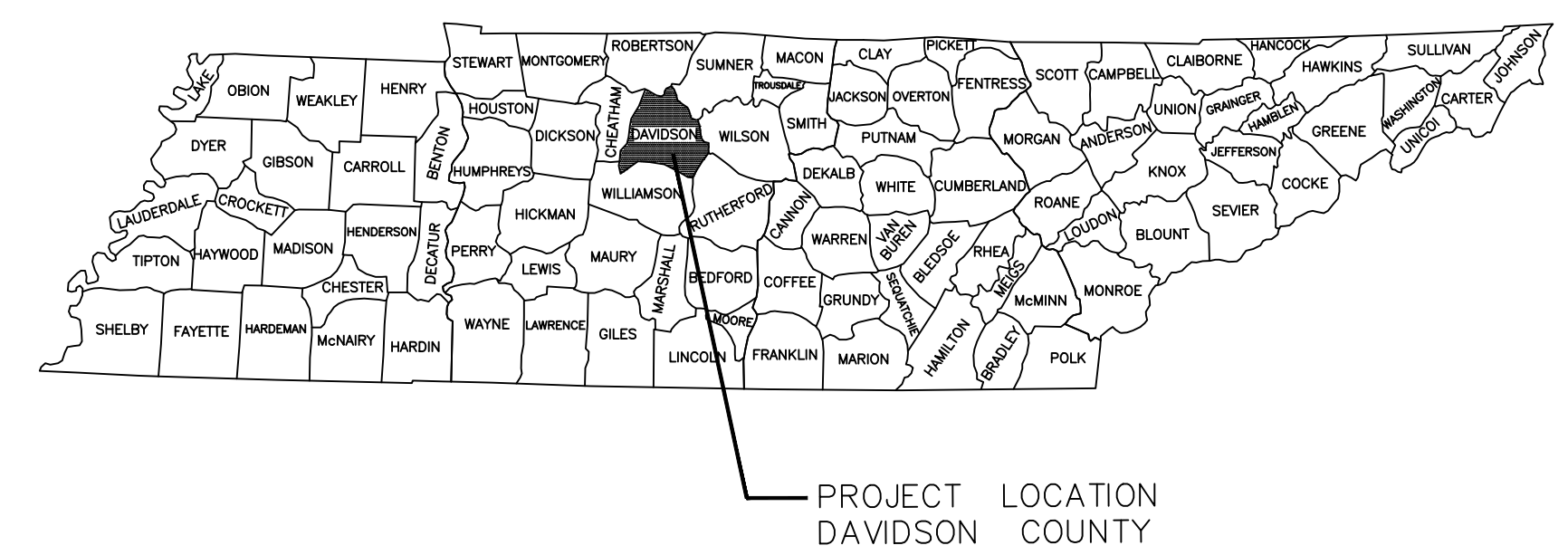
### FROM HIGHLAND VIEW DRIVE TO WILSON COUNTY LINE

FILE NO.	892107772.11
DATE:	01/10/2023
DESIGNED BY:	MSS
DRAWN BY:	MSS
CHECKED BY:	JMC

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#### INDEX OF SHEETS BP AND PM SERIES

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ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD, FEDERAL REGISTER 36 CFR PARTS 1190 AND 1191, ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES, ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES, PROPOSED RULE. PUBLISHED IN THE FEDERAL REGISTER ON JULY 23, 2004, AS HAS BEEN ADOPTED BY METRO.

ACCEPTED BY : \_\_\_\_\_  
DATE : \_\_\_\_\_

APPROVAL OF THIS TRAFFIC SIGNAL PLAN DESIGNATES APPROVAL OF THE DESIGN ONLY. APPROVAL OF THE DESIGN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO OBTAIN THE APPROPRIATE PERMITS IN ORDER TO INSTALL THE TRAFFIC SIGNAL.



TITLE SHEET

SR-24 (LEBANON PIKE)

N.T.S.

SHEET 1

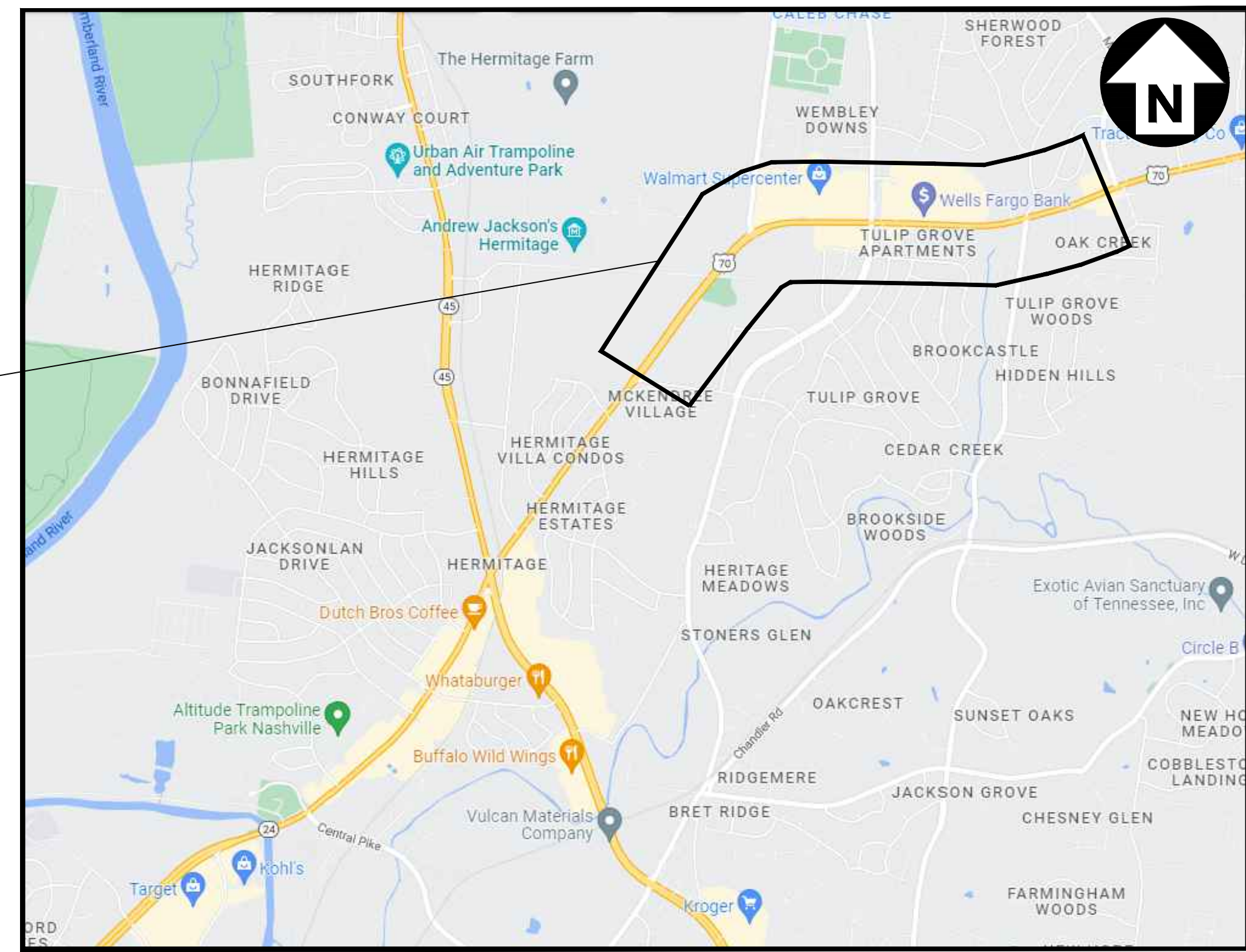
PROJECT TO BE COORDINATED WITH TDOT RESURFACING PROJECT

TDOT RESURFACING LIMITS  
PAVEMENT MARKING & SIGNING LIMITS  
STONES RIVER ROAD TO MATTERHORN DRIVE

#### SPECIAL NOTE

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED: JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND THE PROPOSAL CONTRACT.

**SPECIAL NOTE:**  
THE BASE SURVEY AND DESIGN INFORMATION FOR ROADWAY AND UTILITIES PRESENTED ON THIS PLAN WERE PROVIDED TO KCI TECHNOLOGIES, INC. BY METRO PUBLIC WORKS. WHERE AVAILABLE, BASE INFORMATION HAS BEEN SUPPLEMENTED BY PLANS OBTAINED FROM METRO PUBLIC WORKS AND FIELD OBSERVATIONS BY THE ENGINEER. KCI TECHNOLOGIES, INC. MAKES NO CLAIMS AS TO THE COMPLETENESS OR ACCURACY OF THE PROVIDED BASE INFORMATION.



LOCATION MAP  
NOT TO SCALE

#### T.D.O.T. STANDARD DRAWINGS

- MM-PM-2 SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANE OR ROUTES
- MM-PM-3 SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES ON URBAN ROADWAYS
- MM-PM-4 SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES
- MM-PM-5 SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS
- MM-TS-1 BIKE ACCOMMODATION DESIGN GUIDANCE
- RD-A-1 STANDARD ABBREVIATIONS
- S-CZ-1 CLEAR ZONE CRITERIA
- T-M-1 DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
- T-M-3 MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
- T-M-4 STANDARD INTERSECTION PAVEMENT MARKINGS
- T-RR-1 TYPICAL PAVEMENT MARKING AT RAILROAD HIGHWAY GRADE CROSSINGS AND RAILROAD ADVANCE WARNING SIGN
- T-S-6 STANDARD MOUNTING DETAILS - BOLTED EXTRUDED PANELS
- T-S-9 STANDARD LAYOUT GROUND MOUNTED SIGNS
- T-S-10 STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
- T-S-16 GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
- T-S-16A GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
- T-S-19 STANDARD STEEL SIGN SUPPORTS
- T-S-20 SIGN DETAILS
- T-SG-3 STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
- T-WZ-10 ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
- T-WZ-55 SIDEWALK TRAFFIC CONTROL

#### METRO STANDARD DRAWINGS

- ST-504 PAVEMENT MARKINGS AND SIGNS FOR BIKE LANES
- ST-506 BIKE FRIENDLY GRATE
- ST-506a BIKE FRIENDLY GRATE
- ST-506b BIKE FRIENDLY GRATE

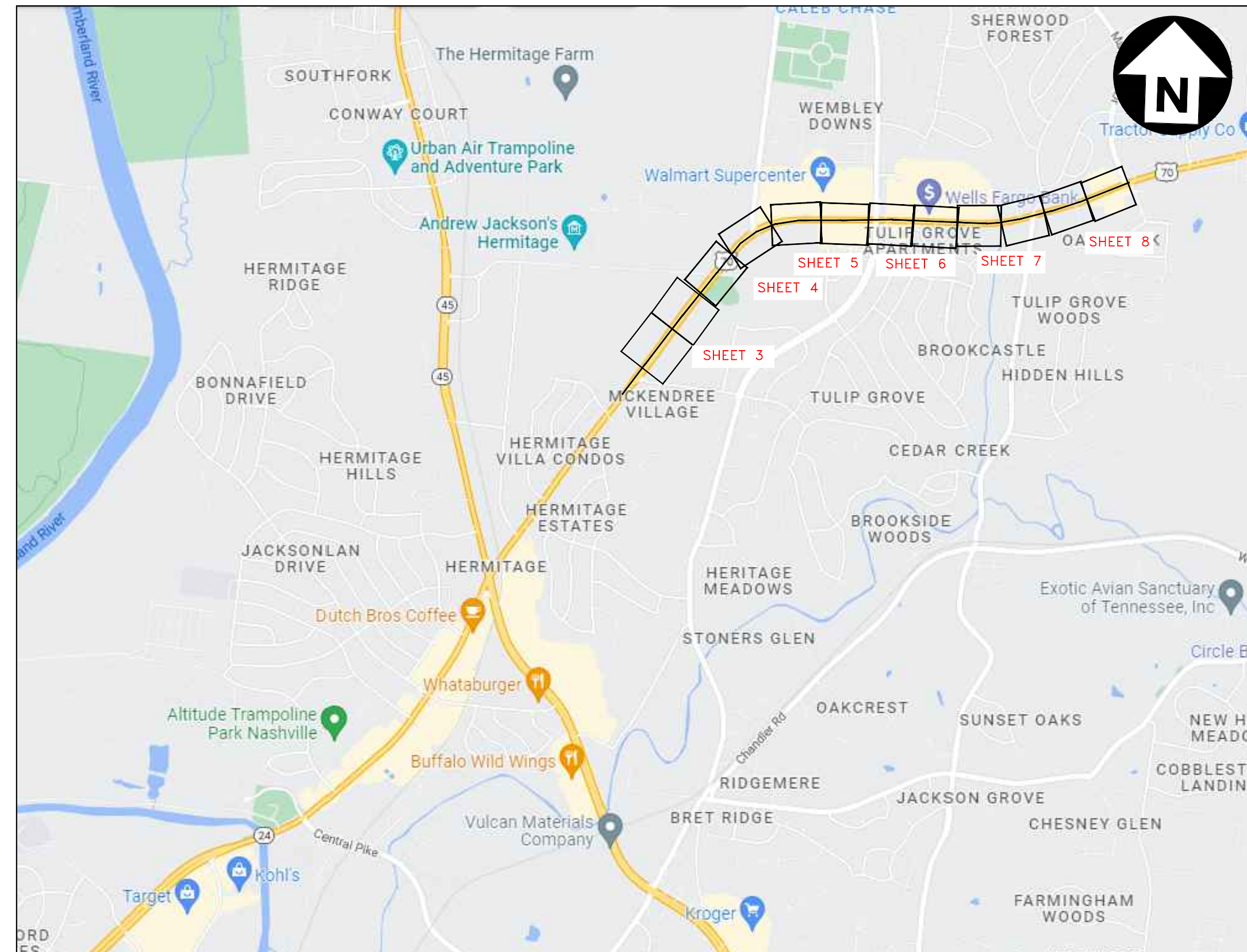
DESIGNED BY KCI TECHNOLOGIES, INC.  
DESIGNER JONATHAN M. CLEGHON, PE  
P.E. NO. 107340

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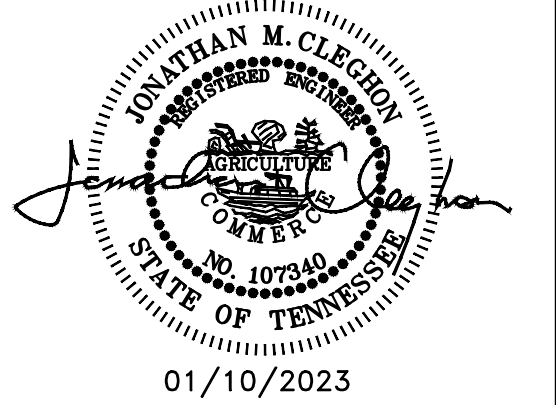
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SHEET LOCATION KEY



LEGEND

	GROUND MOUNTED SIGN W/ NUMBER (EXISTING, MOVED, REMOVED)
	GROUND MOUNTED SIGN W/ NUMBER (NEW)
	24 INCH WIDE STOP LINE (EXISTING)
	24 INCH WIDE STOP LINE (NEW)
	YIELD LINE (EXISTING)
	YIELD LINE (NEW)
	CROSSWALK PAVEMENT MARKINGS (EXISTING)
	CROSSWALK PAVEMENT MARKINGS (NEW)
	ARROW PAVEMENT MARKING (EXISTING)
	ARROW PAVEMENT MARKING (NEW)
	WORD PAVEMENT MARKING (NEW)
	CHANNELIZATION PAVEMENT MARKINGS (EXISTING, SEE TDOT STD DWG. T-M-3)
	CHANNELIZATION PAVEMENT MARKINGS (NEW, SEE TDOT STD DWG. T-M-3)
	RAILROAD PAVEMENT MARKING (NEW)
	SHARROW PAVEMENT MARKING (NEW)
	BIKE LANE PAVEMENT MARKING (EXISTING)
	BIKE LANE PAVEMENT MARKING (NEW)
	6'X45' QUADRUPOLE LOOP DETECTOR (NEW)
	BUS STOP LOCATION (EXISTING)
	GREEN PAVEMENT MARKINGS (NEW)
	SIDEWALK WIDENING AND CHANNELIZATION MODIFICATION TO BE COMPLETED BY NDOT



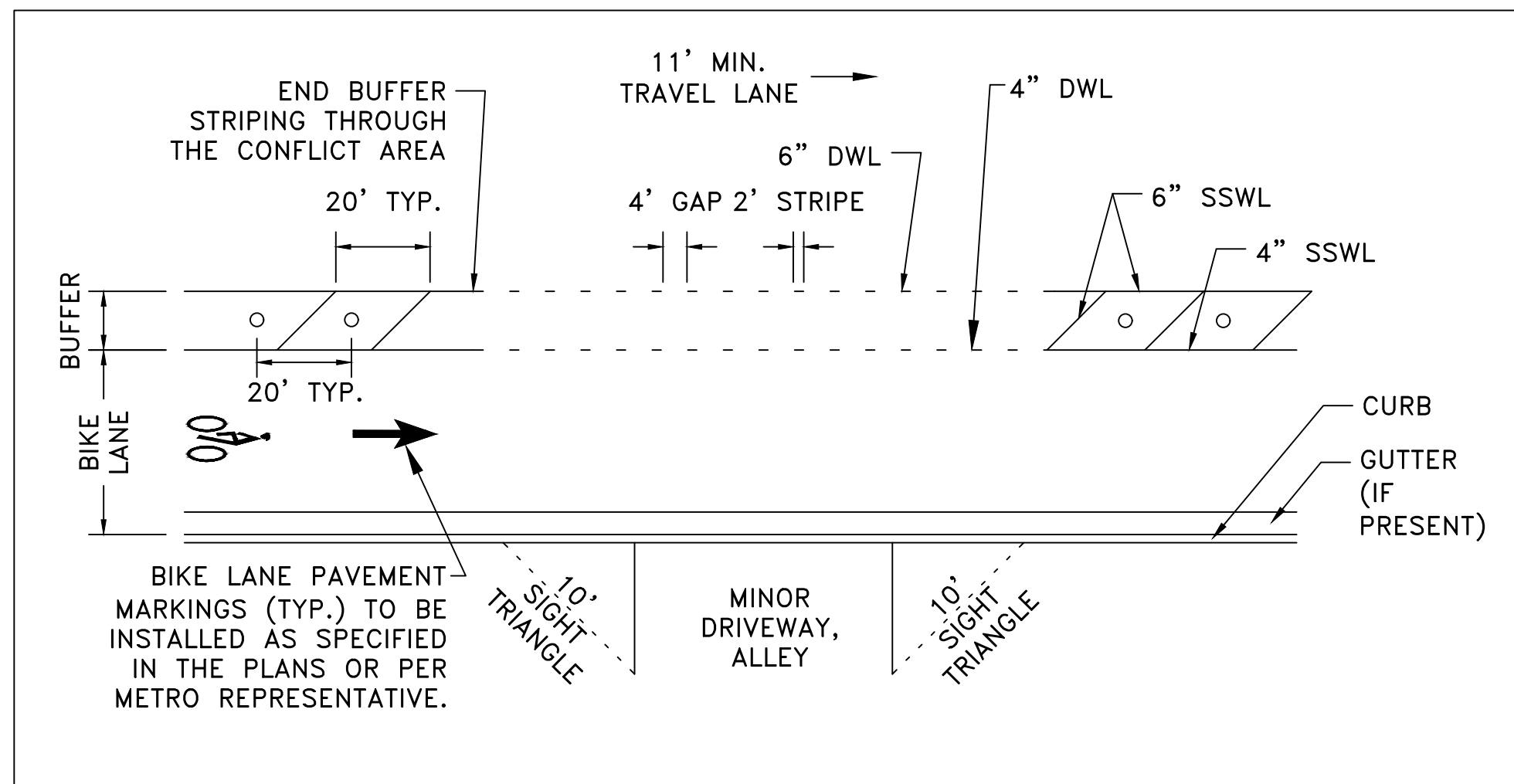
TRAFFIC DATA		
ROADWAY	PAVEMENT MARKING AND SIGNING LIMITS	MPH
LEBANON PIKE	STONES RIVER ROAD TO MATTERHORN DRIVE	45
<p><b>**SPECIAL NOTE(S):</b></p> <ul style="list-style-type: none"> <li>ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.).</li> <li>CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ROADWAY MARKINGS AND SIGNS.</li> <li>BIKEWAY SIGNAGE SHALL BE PLACED PER DIRECTION OF FIELD ENGINEER.</li> <li>SHARROW AND BIKE LANE PAVEMENT MARKING SHALL BE PLACED PER DIRECTION OF FIELD ENGINEER.</li> <li>SHARROW AND BIKE LANE PAVEMENT MARKING SHALL NOT BE PLACED IN FRONT OF DRIVEWAYS.</li> <li>BIKEWAY PROJECT SHALL COORDINATE WITH METRO TRAFFIC DEPARTMENT.</li> <li>TDOT TO PROVIDE ALL DETAILS PERTAINING TO PROPOSED PAVEMENT SCHEDULES AND ESTIMATED QUANTITIES OTHER THAN WHAT IS SHOWN ON THESE PLANS.</li> </ul>		

LEGEND & SHEET LOCATION KEY

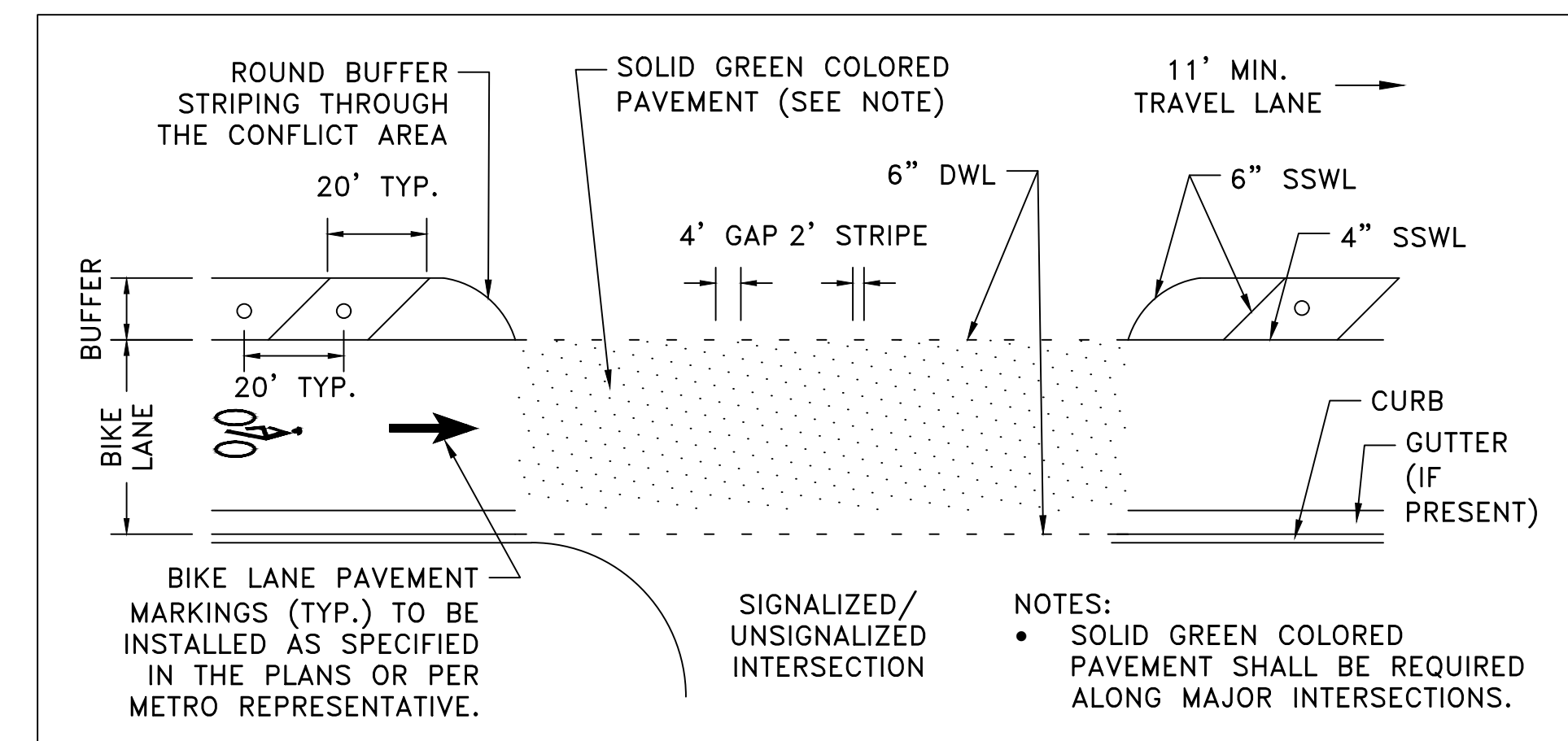
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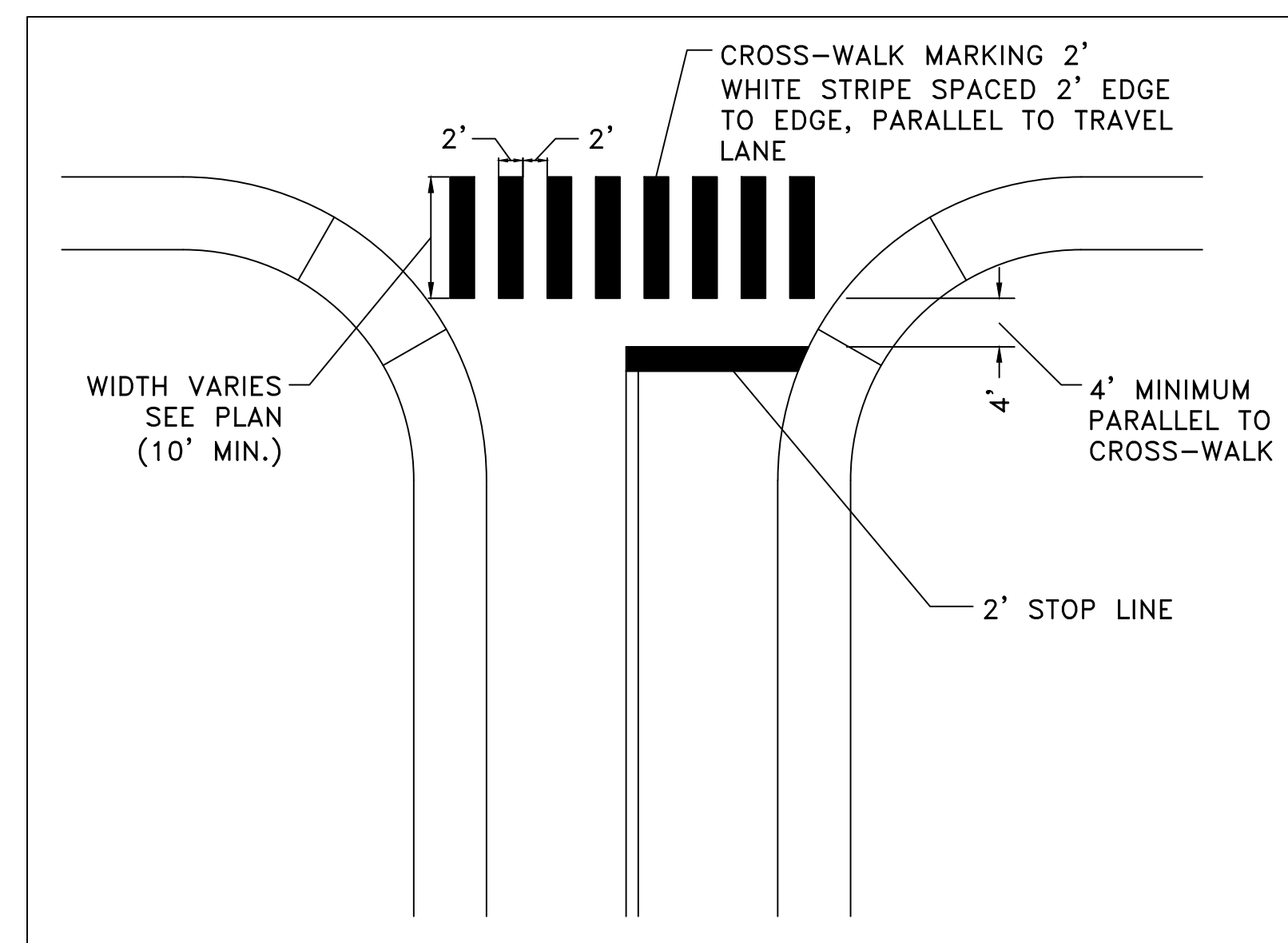
SHEET 2



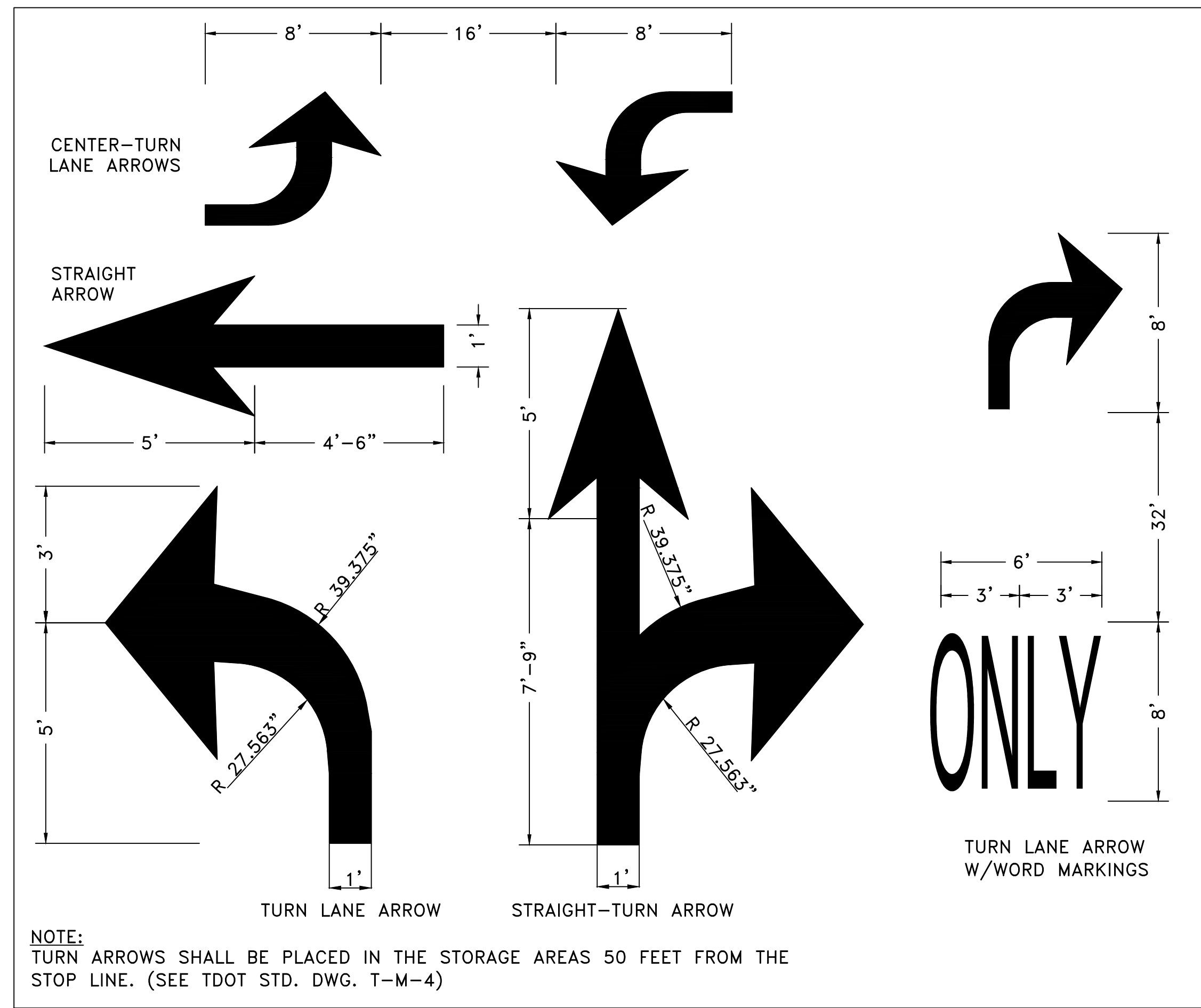
**SITE TRIANGLE & BIKE CONFLICT LINE (BLC) DETAIL AT DRIVEWAYS**  
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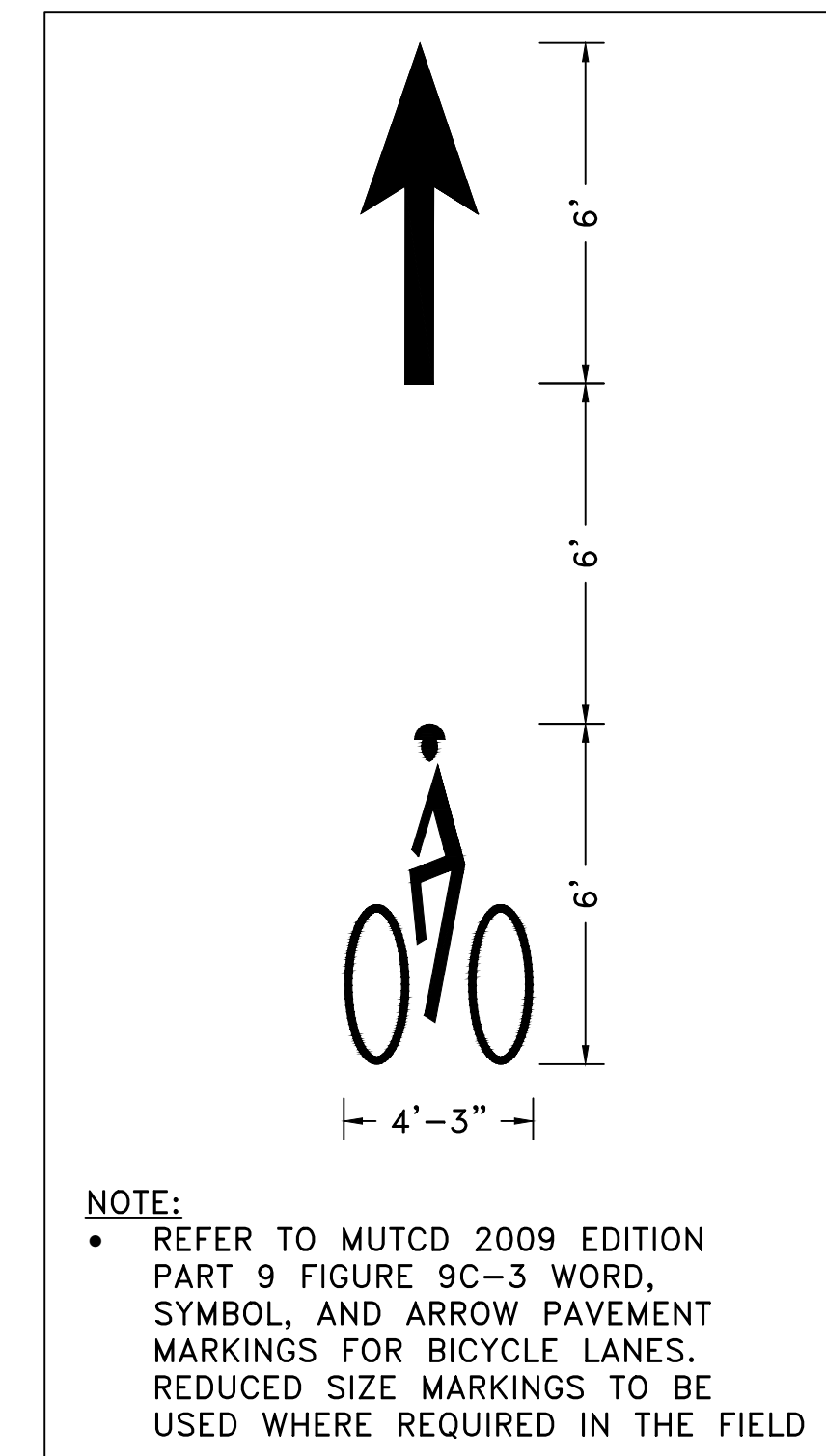
**BIKE CONFLICT LINE (BLC) AT INTERSECTIONS**  
N.T.S.



**TYPICAL STOP LINE PLACEMENT AND CROSS-WALK MARKINGS**  
N.T.S.



**STANDARD ARROW PAVEMENT MARKINGS**  
N.T.S.



**BIKE LANE PAVEMENT MARKING DETAIL**  
N.T.S.

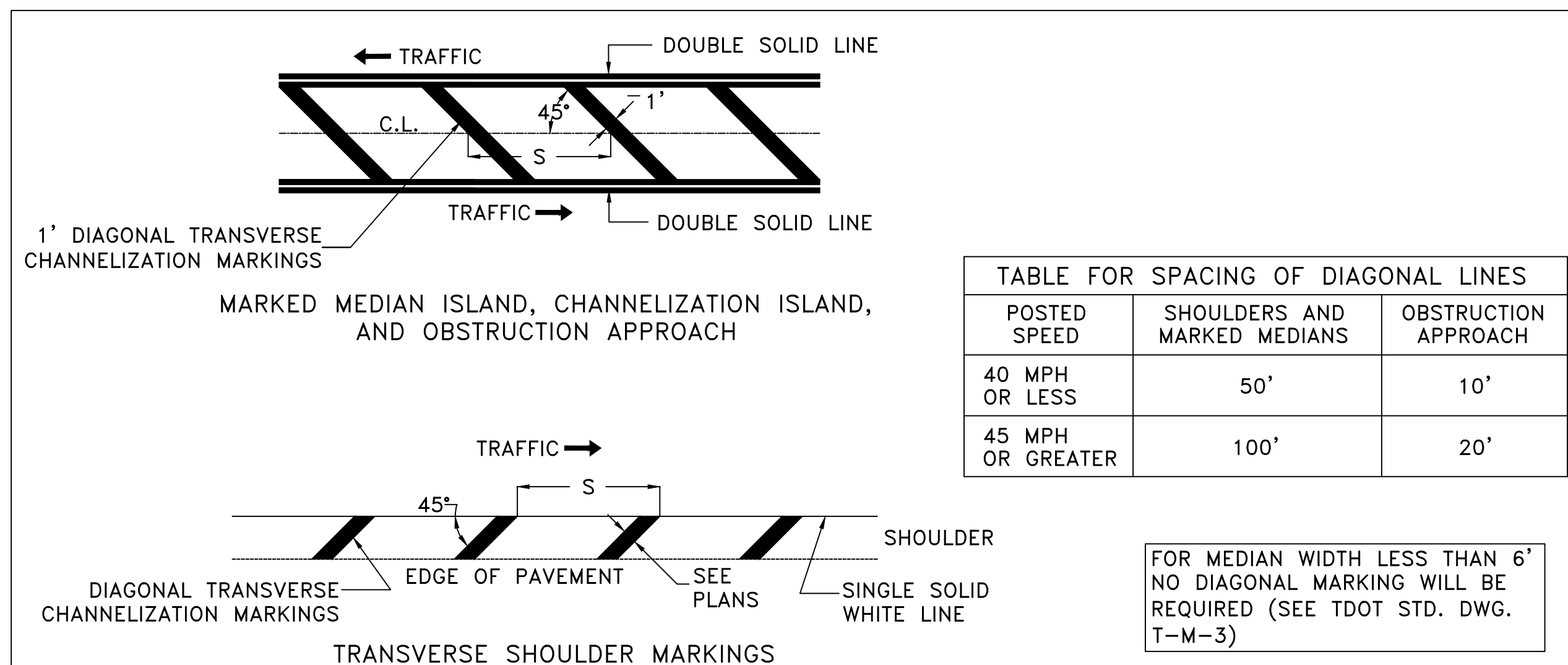


TABLE FOR SPACING OF DIAGONAL LINES		
POSTED SPEED	SHOULDERS AND MARKED MEDIANS	OBSTRUCTION APPROACH
40 MPH OR LESS	50'	10'
45 MPH OR GREATER	100'	20'

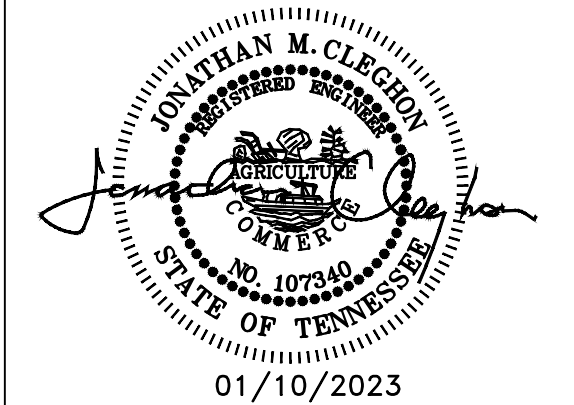
FOR MEDIAN WIDTH LESS THAN 6' NO DIAGONAL MARKING WILL BE REQUIRED (SEE TDOT STD. DWG. T-M-3)

- NOTES:
1. ALL DIAGONAL MARKINGS SHALL BE 1 FOOT IN WIDTH MARKED AT 45 DEGREES TO MARKINGS OUTLINING RESTRICTED AREA OR TO CENTERLINE TO ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.
  2. THERE SHALL BE A MINIMUM OF THREE DIAGONAL MARKINGS AT THE REQUIRED SPACING. OTHERWISE, NO DIAGONAL MARKING SHALL BE USED UNLESS OTHERWISE NOTED ON THE PLANS.
  3. THE RECOMMENDED SPACING IS MEASURED PARALLEL TO THE CENTERLINE OF THE MAIN TRAVELWAY.
  4. IT IS ASSUMED THAT THE CHANNELIZATION MARKINGS WITHIN THE CURB EXTENSION AREAS ARE TO BE 6 INCHES IN WIDTH AND SPACED AT 10 FEET.

**CHANNELIZATION MARKINGS**  
N.T.S.

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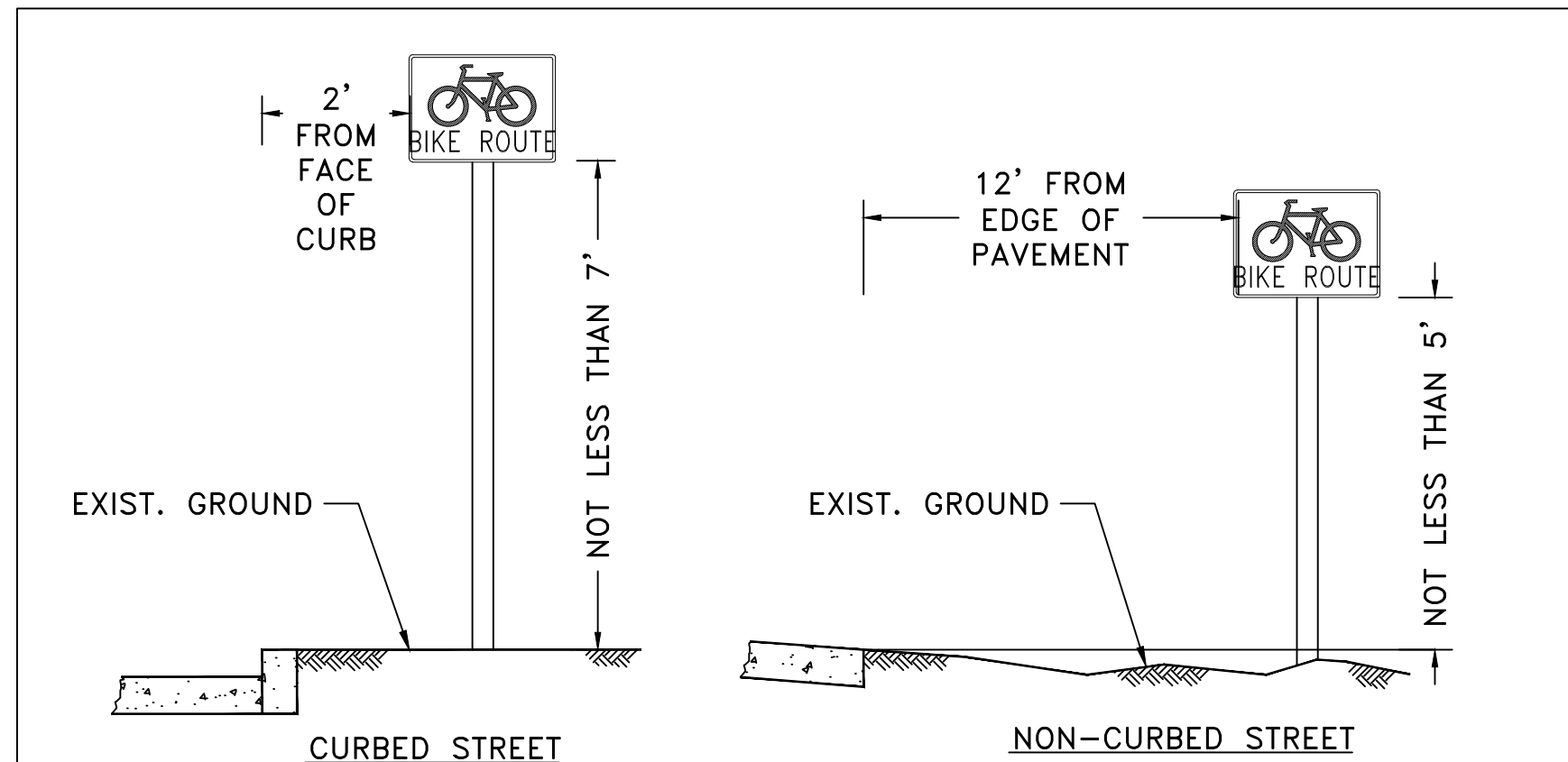


**PAVEMENT MARKING DETAILS**

SR-24 (LEBANON PIKE)

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SHEET 2A



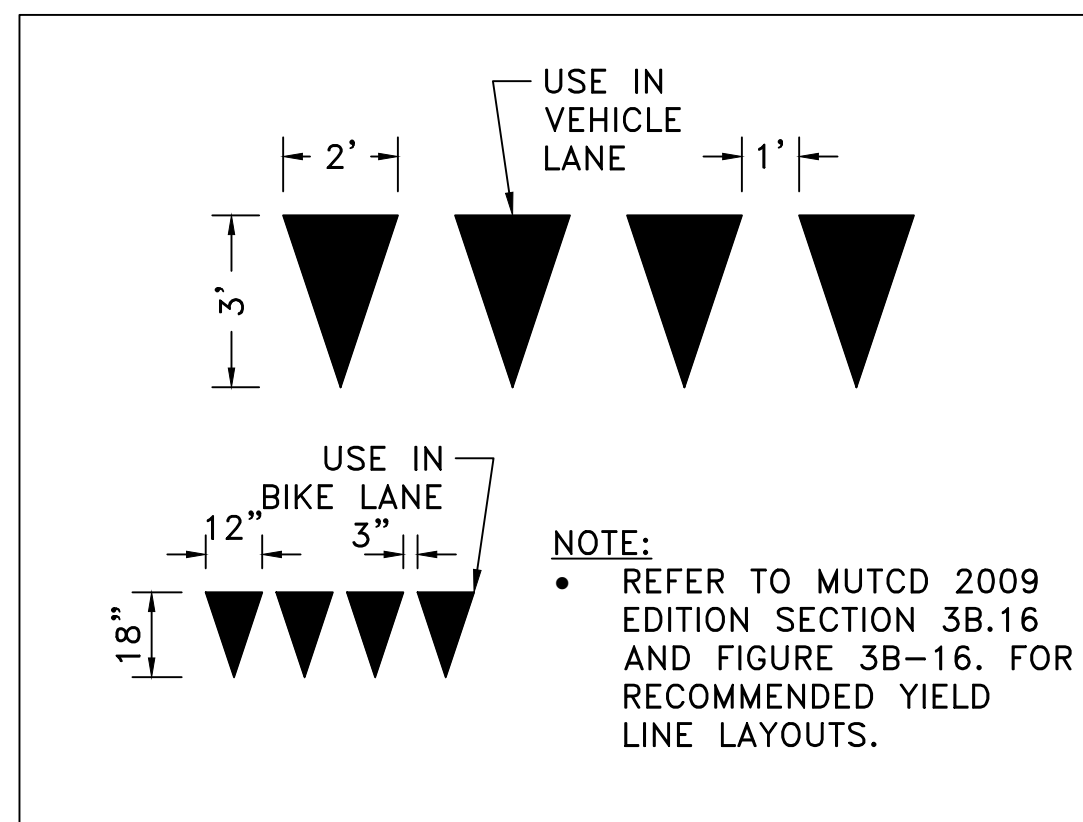
HEIGHT AND LATERAL LOCATION OF SIGNS – TYPICAL INSTALLATIONS

**SIGN INSTALLATION NOTES:**

1. ALL SIGNS SHALL BE INSTALLED IN THE APPROXIMATE LOCATIONS SHOWN ON PLAN SHEETS. ANY DEVIATION MUST BE APPROVED BY THE METROPOLITAN DEPARTMENT OF PUBLIC WORKS.
2. SIGNS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM CONTROL DEVICES, AND SHALL HAVE THE HEIGHT AND CLEARANCE SPECIFICATIONS SHOWN ON THIS SHEET.
3. ALL SIGNING EQUIPMENT AND INSTALLATION PROCEDURES SHALL COMPLY WITH THE T.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 713 – HIGHWAY SIGNING, AND WITH THE SPECIFICATIONS OF METROPOLITAN NASHVILLE AND DAVIDSON COUNTY.

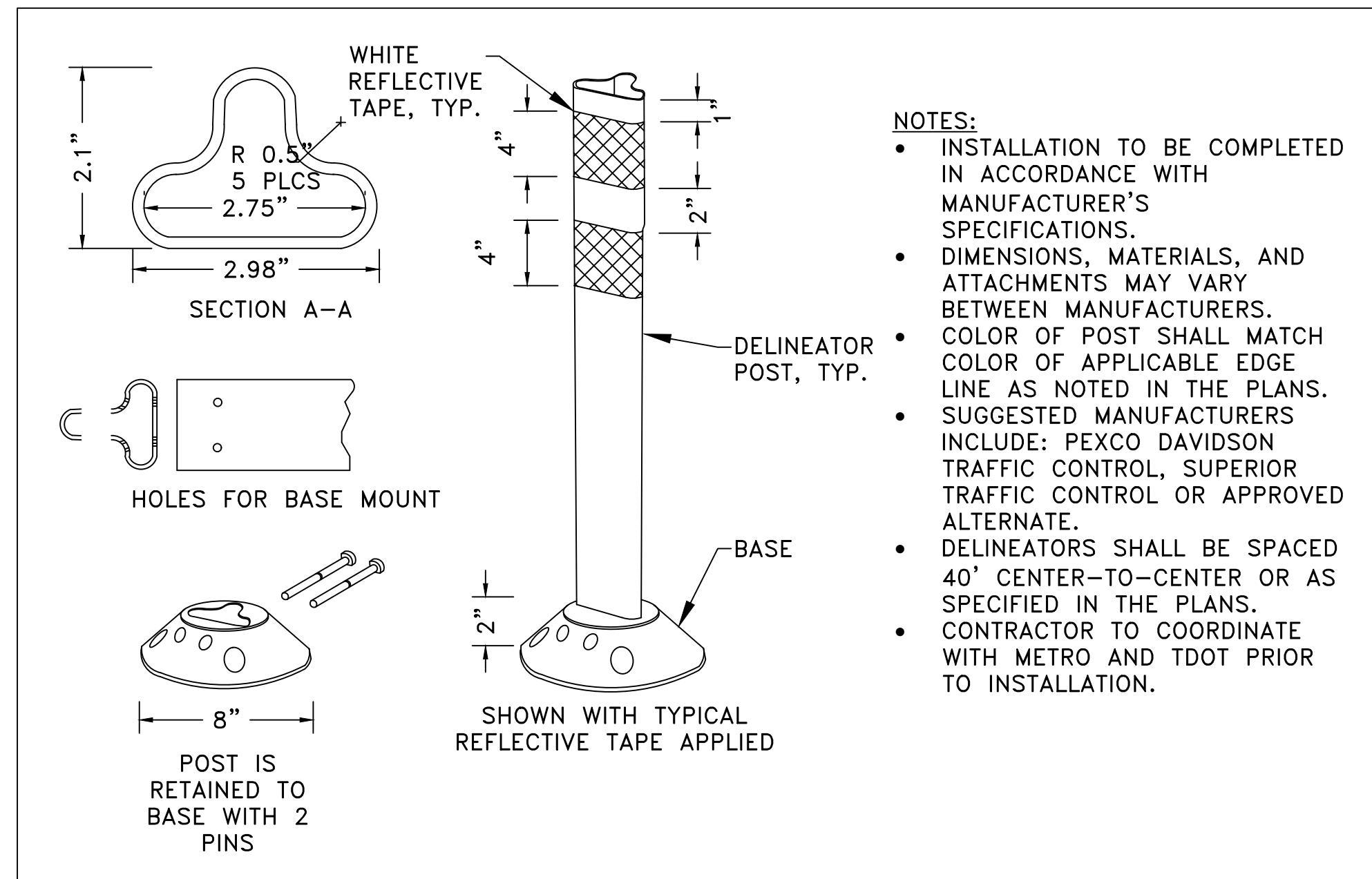
**HEIGHT AND LATERAL LOCATION OF SIGNS – TYPICAL INSTALLATION**

N.T.S.



**YIELD LINE DETAILS**

N.T.S.

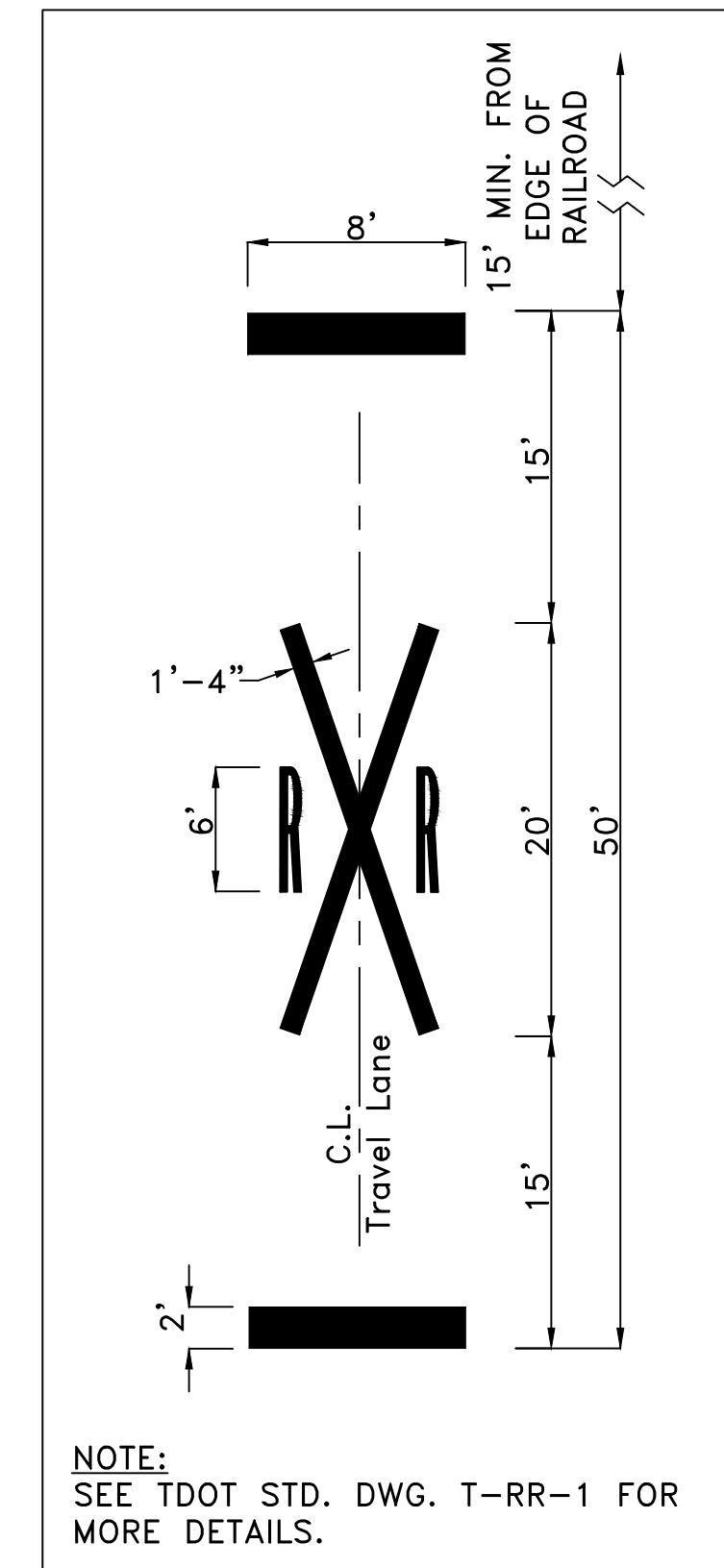


**36" WHITE FLEXIBLE DELINEATOR POST DETAIL**

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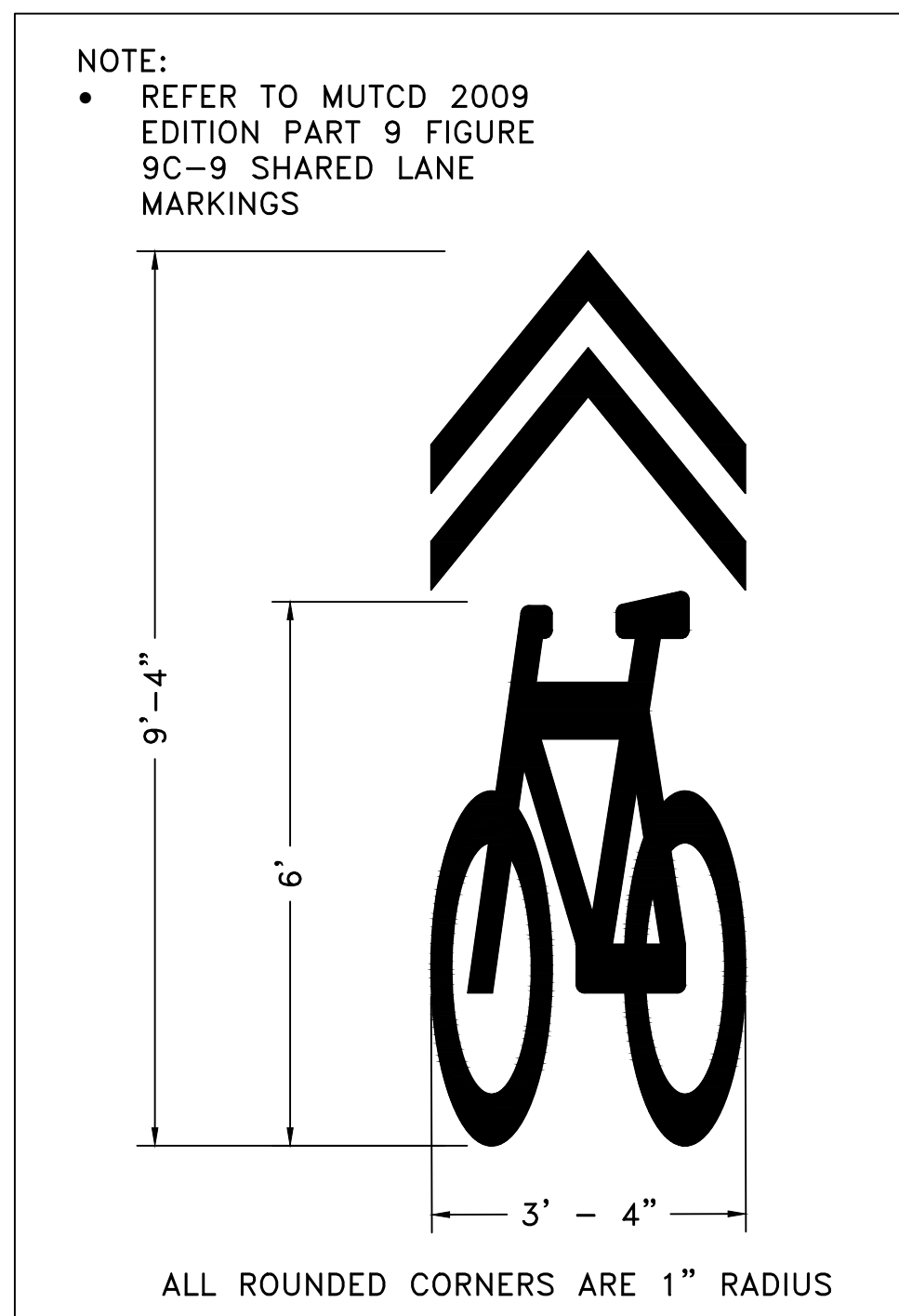
**NOTES:**

- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
- COLOR OF POST SHALL MATCH COLOR OF APPLICABLE EDGE LINE AS NOTED IN THE PLANS.
- SUGGESTED MANUFACTURERS INCLUDE: PEXCO DAVIDSON TRAFFIC CONTROL, SUPERIOR TRAFFIC CONTROL OR APPROVED ALTERNATE.
- DELINEATORS SHALL BE SPACED 40' CENTER-TO-CENTER OR AS SPECIFIED IN THE PLANS.
- CONTRACTOR TO COORDINATE WITH METRO AND TDOT PRIOR TO INSTALLATION.



**RAILROAD GRADE CROSSING PAVEMENT MARKINGS**

N.T.S.



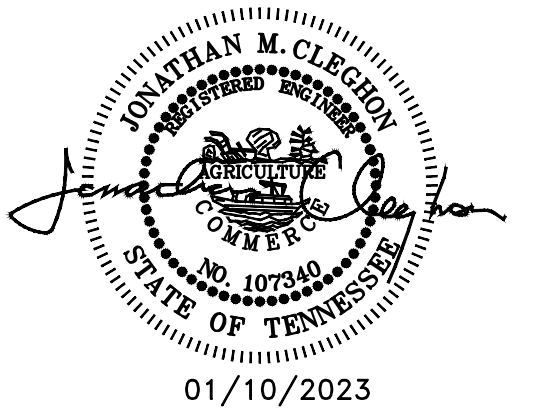
**SHARROW DETAIL**

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**PAVEMENT MARKING DETAILS**

SR-24 (LEBANON PIKE)

N.T.S.

SHEET 2B

# GENERAL NOTES

## PAVEMENT MARKINGS

### TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

- (1) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAYS WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, PAINTED PAVEMENT MARKING (4" LINE), L.M. THIS ITEM IS ASSUMED TO BE INCLUDED AS PART OF THE RESURFACING AND IS NOT INCLUDED AS A SEPARATE ITEM IN THE PAVEMENT MARKING AND SIGNING PLANS.
- (2) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAYS WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.20, PAINTED PAVEMENT MARKING (6" LINE), L.M. THIS ITEM IS ASSUMED TO BE INCLUDED AS PART OF THE RESURFACING AND IS NOT INCLUDED AS A SEPARATE ITEM IN THE PAVEMENT MARKING AND SIGNING PLANS.
- (3) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAYS WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.02, PAINTED PAVEMENT MARKING (8" BARRIER LINE), L.F. THIS ITEM IS ASSUMED TO BE INCLUDED AS PART OF THE RESURFACING AND IS NOT INCLUDED AS A SEPARATE ITEM IN THE PAVEMENT MARKING AND SIGNING PLANS.
- (4) WIDE (8 INCH) TEMPORARY PAVEMENT MARKING LINE WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.02 PAINTED PAVEMENT MARKING (8" BARRIER LINE), L.F. THIS ITEM IS ASSUMED TO BE INCLUDED AS PART OF THE RESURFACING AND IS NOT INCLUDED AS A SEPARATE ITEM IN THE PAVEMENT MARKING AND SIGNING PLANS.

### FINAL PAVEMENT MARKING

- (5) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:
  - a. SHOULDERS SHALL BE BROOMED AND DE-GRASSED AND MATERIAL SHALL BE PICKED UP AND REMOVED. THIS WILL BE PAID FOR UNDER ITEM NUMBER 208-01.05. THIS ITEM IS ASSUMED TO BE INCLUDED AS PART OF THE RESURFACING AND IS NOT INCLUDED AS A SEPARATE ITEM IN THE PAVEMENT MARKING AND SIGNING PLANS.
  - b. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT. THE COST FOR THIS WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (6) IN AREAS WITH OPEN-GRADED FRICTION COURSE PAVEMENT, THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:
  - a. SHOULDERS SHALL BE BROOMED AND DE-GRASSED IN A MANNER WHICH PERMITS PROPER DRAINAGE OF PAVEMENT STRUCTURE. MATERIAL SHALL BE PICKED UP AND REMOVED. THIS WILL BE PAID FOR UNDER ITEM NUMBER 208-01.05. THIS ITEM IS ASSUMED TO BE INCLUDED AS PART OF THE RESURFACING AND IS NOT INCLUDED AS A SEPARATE ITEM IN THE PAVEMENT MARKING AND SIGNING PLANS.
  - b. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT. THE COST FOR THIS WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (7) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.01, ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

- (8) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

### SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

- (9) REMOVE EXISTING SNOWPLOWABLE MARKERS PRIOR TO PAVING AND/OR COLD PLANING. REMOVE ALL ADHESIVES PRIOR TO PAVING. PATCH ANY HOLES OR DIVOTS RESULTING FROM THE REMOVAL OF A MARKER IN A MANNER WHICH ENSURES A UNIFORM PAVED SURFACE. PATCH WORK SHALL BE INCLUDED WITH COST OF OTHER ITEMS OF CONSTRUCTION.

### SIGNING

- (10) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE LENGTHS WERE COMPUTED FROM THE CROSS-SECTIONS CONTAINED IN THE CONSTRUCTION PLANS. IN THE EVENT THE SUPPORT LENGTHS ARE 2 FEET SHORTER OR LONGER THAN SHOWN ON THE PLANS, THE ENGINEER SHALL VERIFY THE SUPPORT TYPE WITH THE TRAFFIC OPERATIONS DIVISION, SIGNING SECTION, TELEPHONE NO. (615)-741-0802. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ORDERING MATERIAL.
- (11) THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.
- (12) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE REGIONAL CONSTRUCTION OFFICE.
- (13) ALL SIGNS MARKED "TO BE REMOVED" ARE TO BE REMOVED BY THE CONTRACTOR AND PAID FOR UNDER ITEM 713-15 AND BECOME THE PROPERTY OF THE CONTRACTOR.
- (14) THE EXISTING FOOTINGS ARE TO BE REMOVED 6 INCHES BELOW GROUND LINE.
- (15) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ERECTION.
- (16) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS.

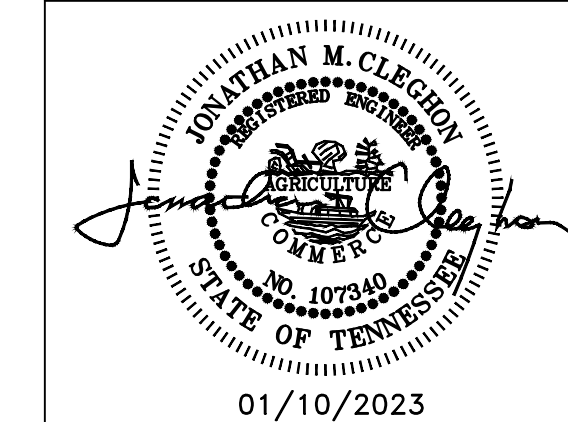
### CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (17) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
- (18) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO 712-01, TRAFFIC CONTROL.
- (19) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.
- (20) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (21) USE OF BARRICADES, PORTABLE BARRIER RAILS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR

ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

- (22) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (23) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (24) ALL DETOURS SHALL BE PAVED, STRIPED, SIGNED, AND FLEXIBLE DRUMS ARE TO BE IN PLACE BEFORE IT IS OPENED TO TRAFFIC.
- (25) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-01, TRAFFIC CONTROL.

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## GENERAL NOTES

SR-24 (LEBANON PIKE)

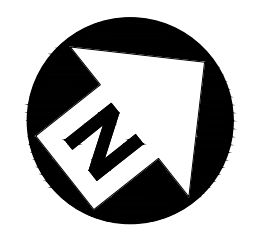
N.T.S.

SHEET 2C

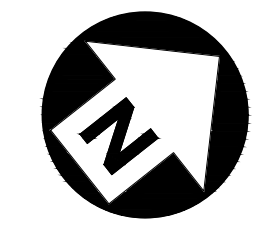
STA. 207+50.00 PROJECT PIN 129226

THIS SHEET STA. 216+00.00 MATCH LINE

MATCH LINE



THIS SHEET STA. 216+00.00



SHEET 4 STA. 224+00.00 MATCH LINE

208+00

209+00

210+00

211+00

212+00

213+00

214+00

215+00

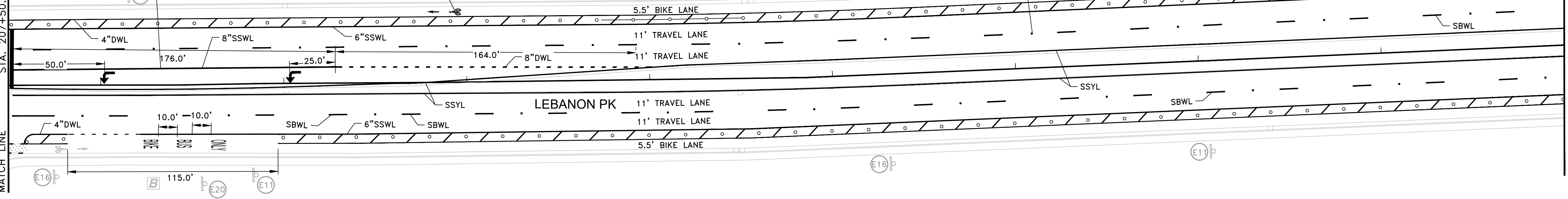
216+00

INSTALL BI-DIRECTIONAL MARKER (YELLOW) AT 20' SPACING CENTER TO CENTER (TYP.)

INSTALL BIKE LANE PAVEMENT MARKINGS (TYP.) (SEE DETAIL SHEET 2A-2B)

INSTALL MONO-DIRECTIONAL MARKER (CLEAR) AT 80' SPACING CENTER TO CENTER (TYP.)

INSTALL 5' BIKE BUFFER PAVEMENT MARKINGS (TYP.) (SEE DETAIL SHEET 2A-2B)



LEBANON PK

216+00

217+00

218+00

219+00

220+00

221+00

222+00

223+00

224+00

THIS SHEET STA. 216+00.00 MATCH LINE

INSTALL MONO-DIRECTIONAL MARKER (CLEAR) AT 80' SPACING CENTER TO CENTER (TYP.)

TRAFFIC SIGNS (EXISTING TO REMAIN)



R3-17 EXISTING

SIGN E6



R7-2 (MOD.) EXISTING

SIGN E11



W11-1 EXISTING

SIGN E16



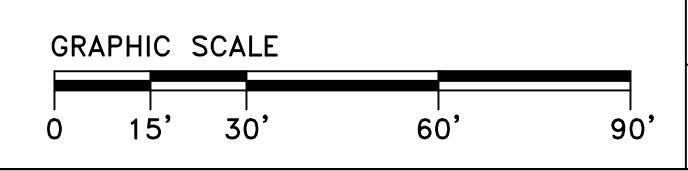
BUS STOP EXISTING

SIGN E20

**MARKING ABBREVIATIONS**

SSWL	- SINGLE SOLID WHITE LINE
SSYL	- SINGLE SOLID YELLOW LINE
SBWL	- SINGLE BROKEN WHITE LINE
SBYL	- SINGLE BROKEN YELLOW LINE
DSYL	- DOUBLE SOLID YELLOW LINE
DWL	- DOTTED WHITE LINE

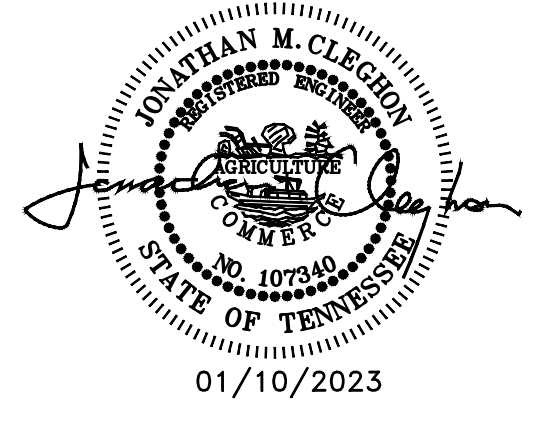
6" UNLESS OTHERWISE SPECIFIED



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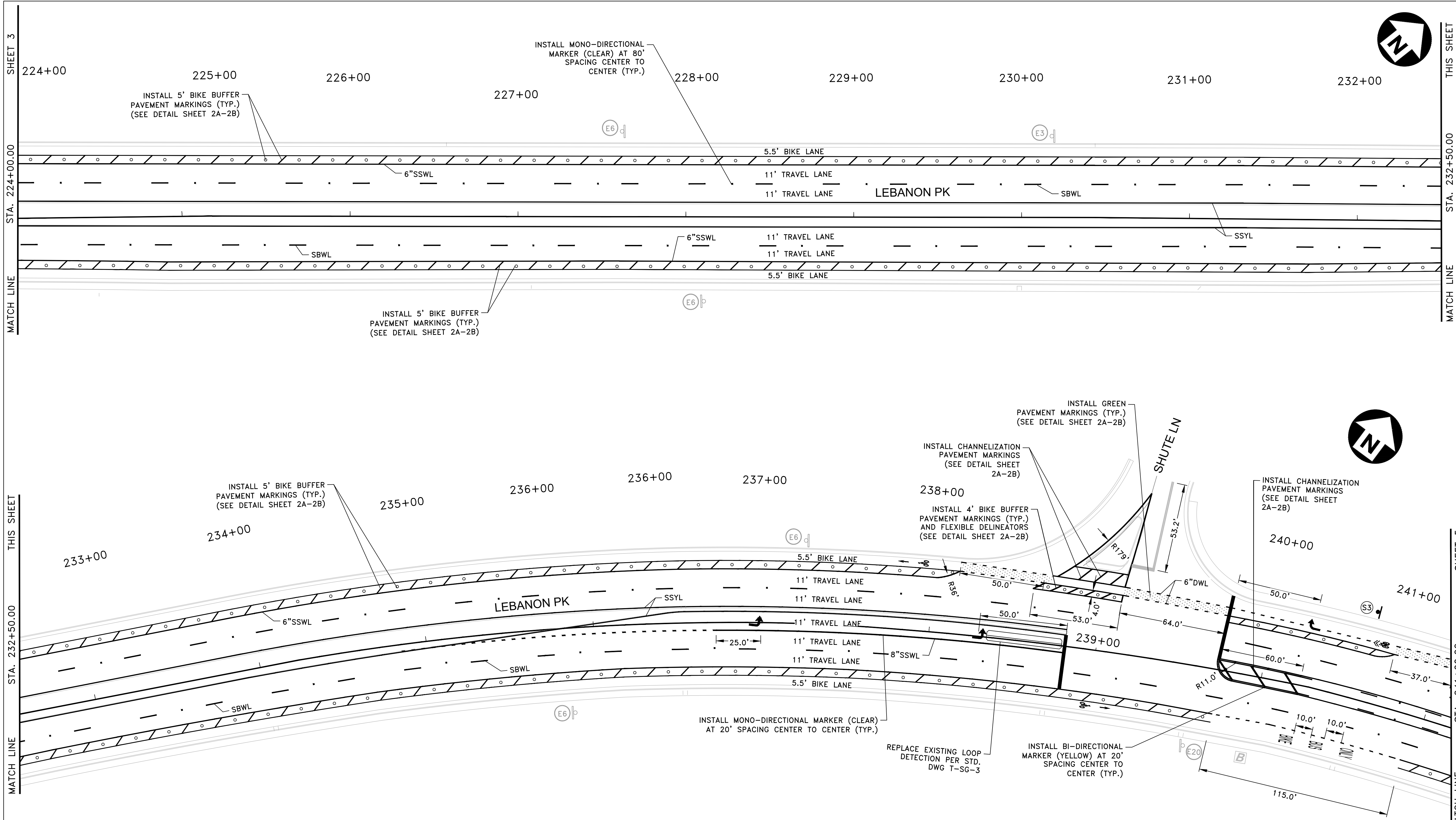
**NDOT**

PAVEMENT MARKING AND SIGNING PLAN

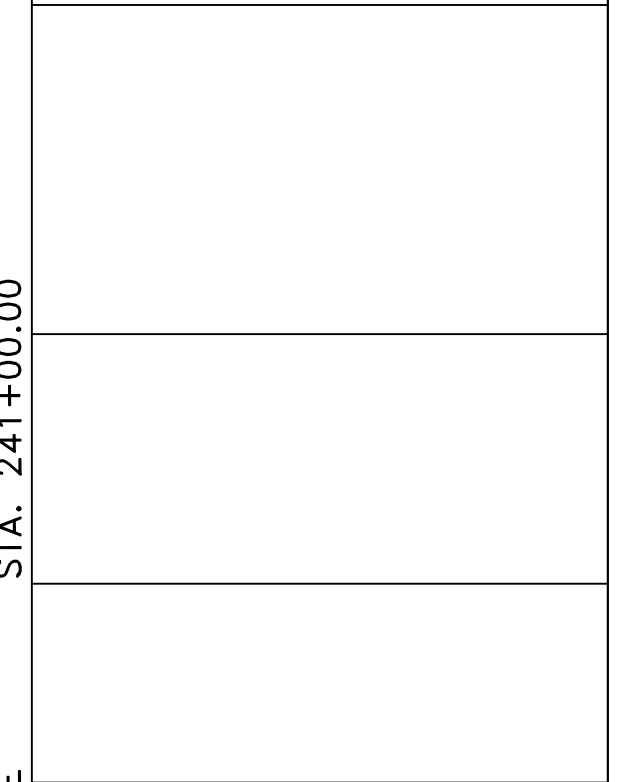
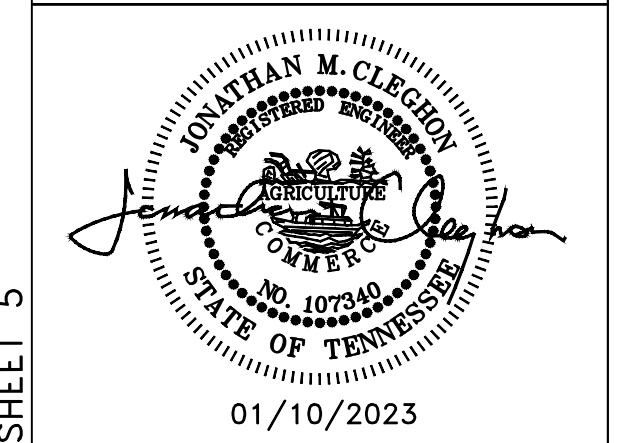
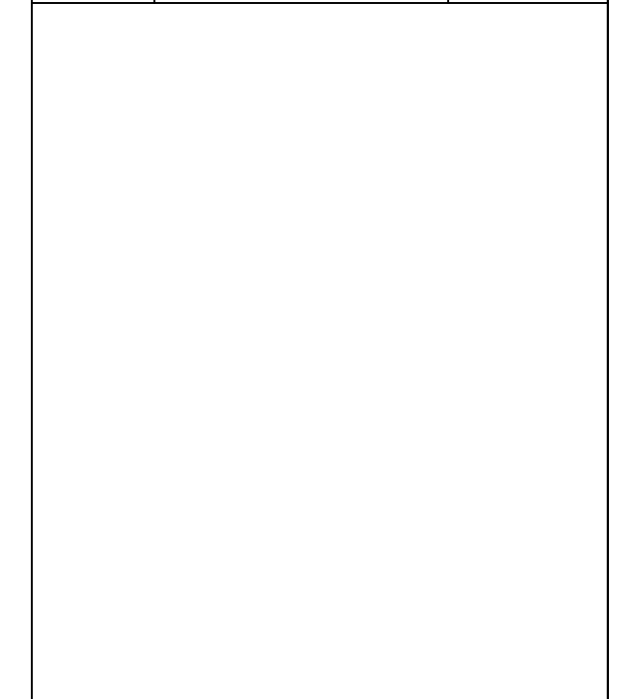
SR-24 (LEBANON PIKE)

SCALE: 1"=30'

SHEET 3



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PAVEMENT MARKING AND SIGNING PLAN

SR-24 (LEBANON PIKE)

SCALE: 1"=30'

SHEET 4

**MARKING ABBREVIATIONS**

SSWL - SINGLE SOLID WHITE LINE
SSYL - SINGLE SOLID YELLOW LINE
SBWL - SINGLE BROKEN WHITE LINE
SBYL - SINGLE BROKEN YELLOW LINE
DSYL - DOUBLE SOLID YELLOW LINE
DWL - DOTTED WHITE LINE

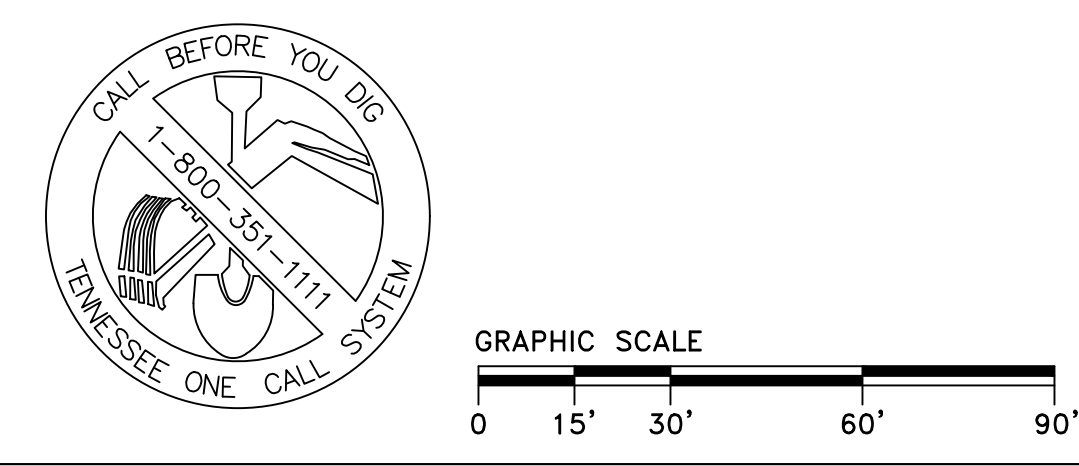
6" UNLESS OTHERWISE SPECIFIED

**TRAFFIC SIGNS (EXISTING TO REMAIN)**

R2-1 EXISTING SIGN (E3)	R3-17 EXISTING SIGN (E6)	BUS STOP EXISTING SIGN (E20)

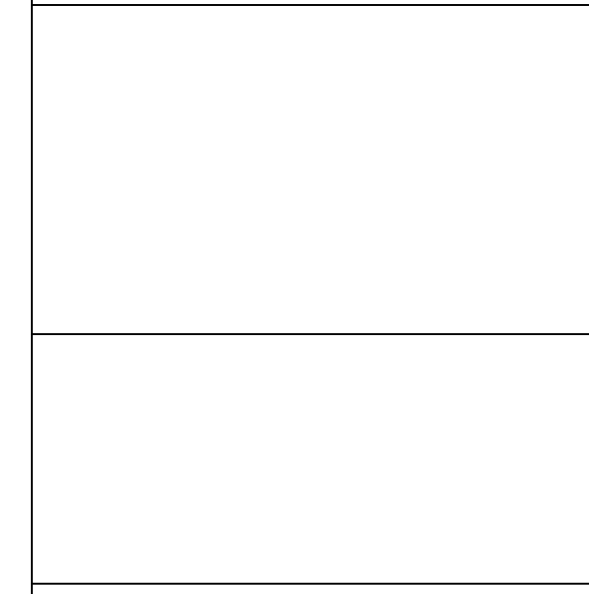
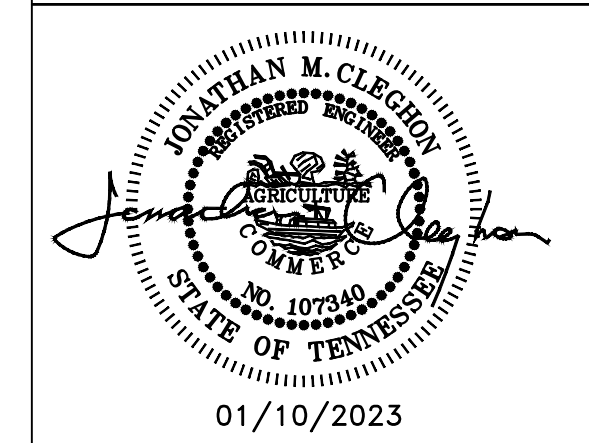
**TRAFFIC SIGNS (NEW)**

R3-7R 36"x36"
SIGN (S3)
1 (EA)



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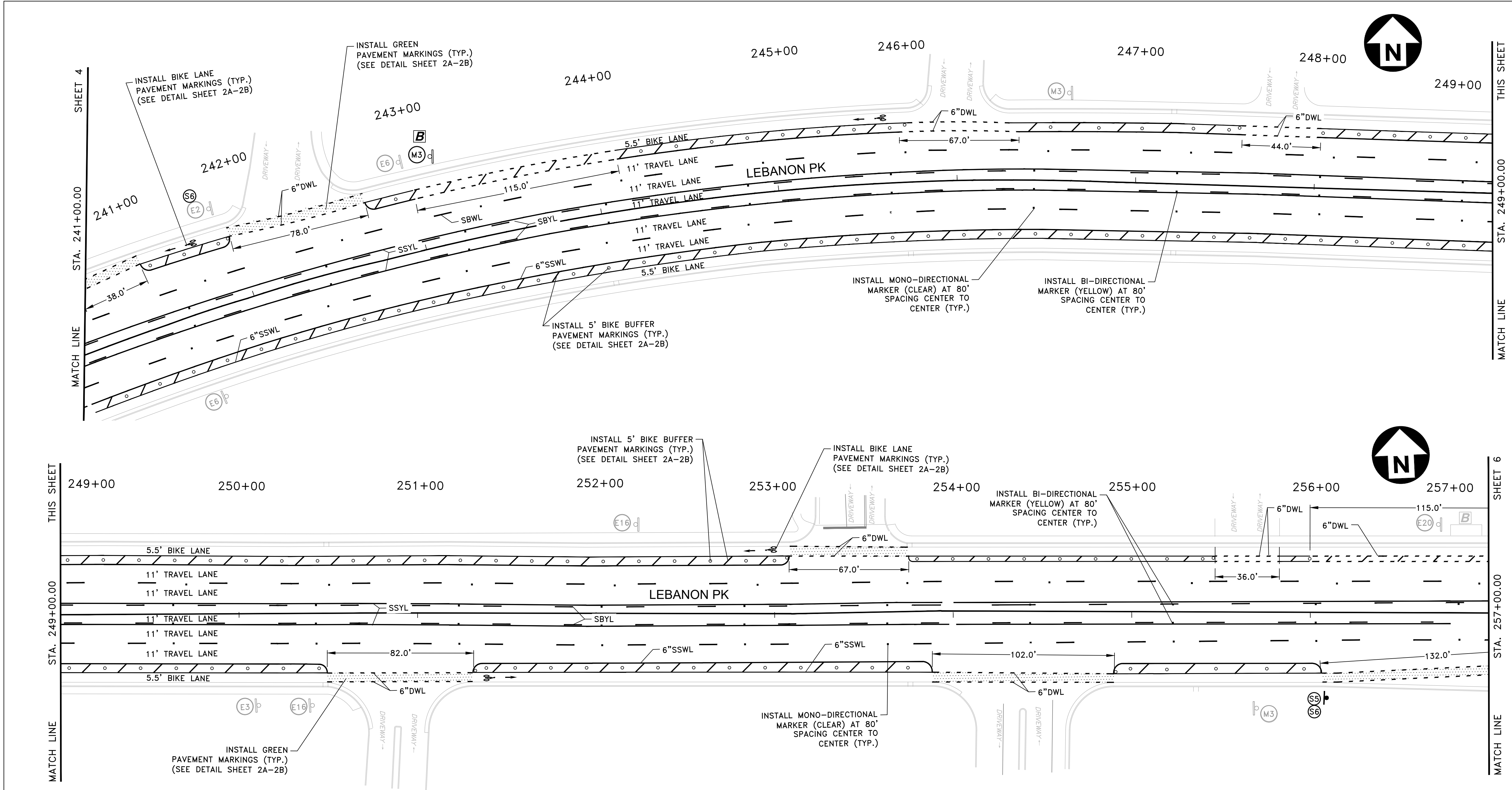


PAVEMENT MARKING AND SIGNING PLAN

SR-24 (LEBANON PIKE)

SCALE: 1"=30'

SHEET 5



TRAFFIC SIGNS (EXISTING TO REMAIN)

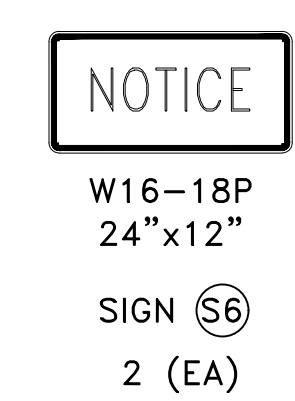
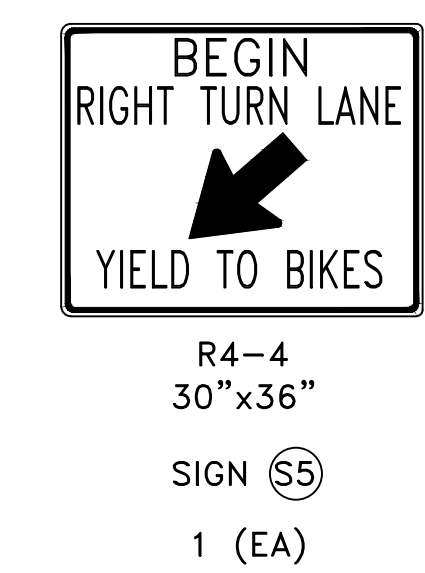
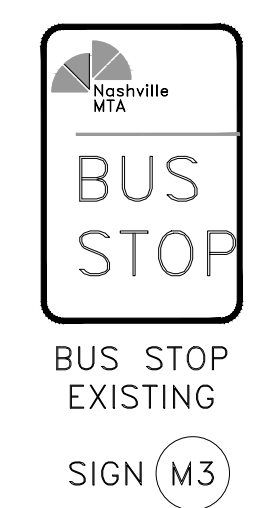
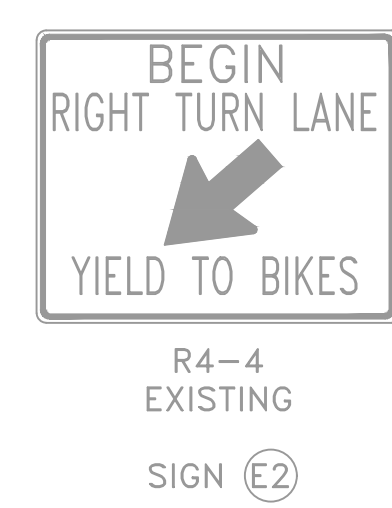
TRAFFIC SIGNS (EXISTING TO BE MOVED)

TRAFFIC SIGNS (NEW)

**MARKING ABBREVIATIONS**

SSWL - SINGLE SOLID WHITE LINE
SSYL - SINGLE SOLID YELLOW LINE
SBWL - SINGLE BROKEN WHITE LINE
SBYL - SINGLE BROKEN YELLOW LINE
DSYL - DOUBLE SOLID YELLOW LINE
DWL - DOTTED WHITE LINE

6" UNLESS OTHERWISE SPECIFIED

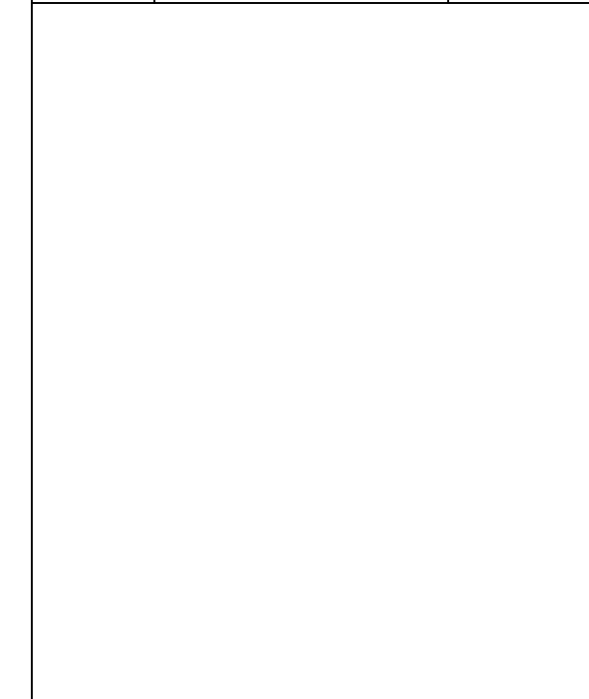




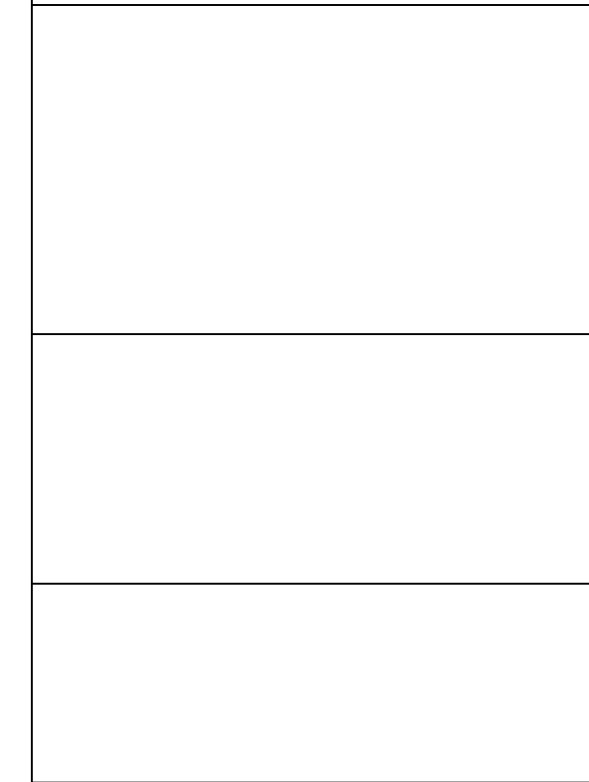
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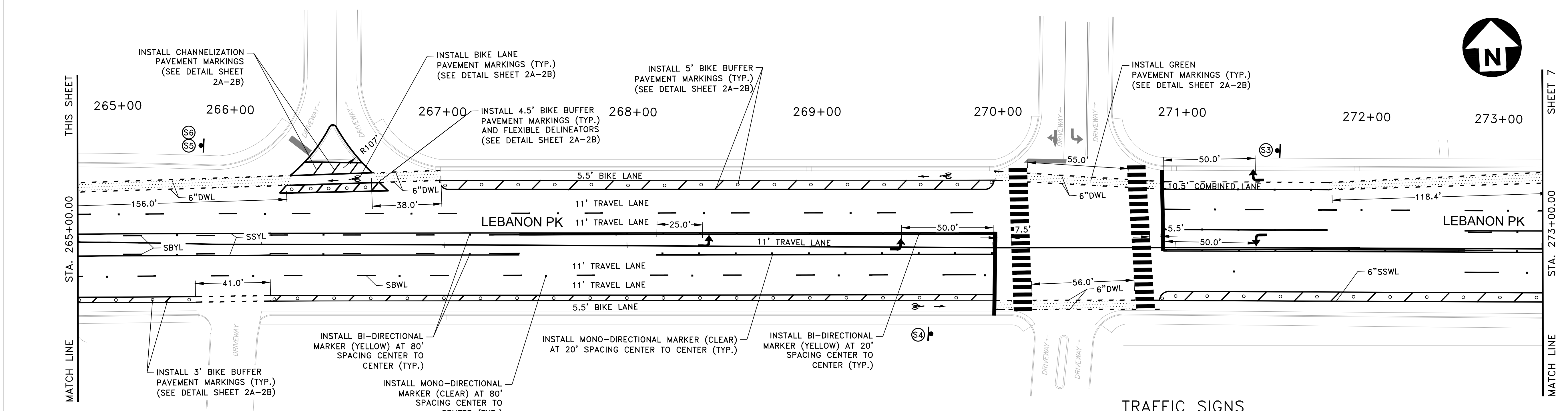
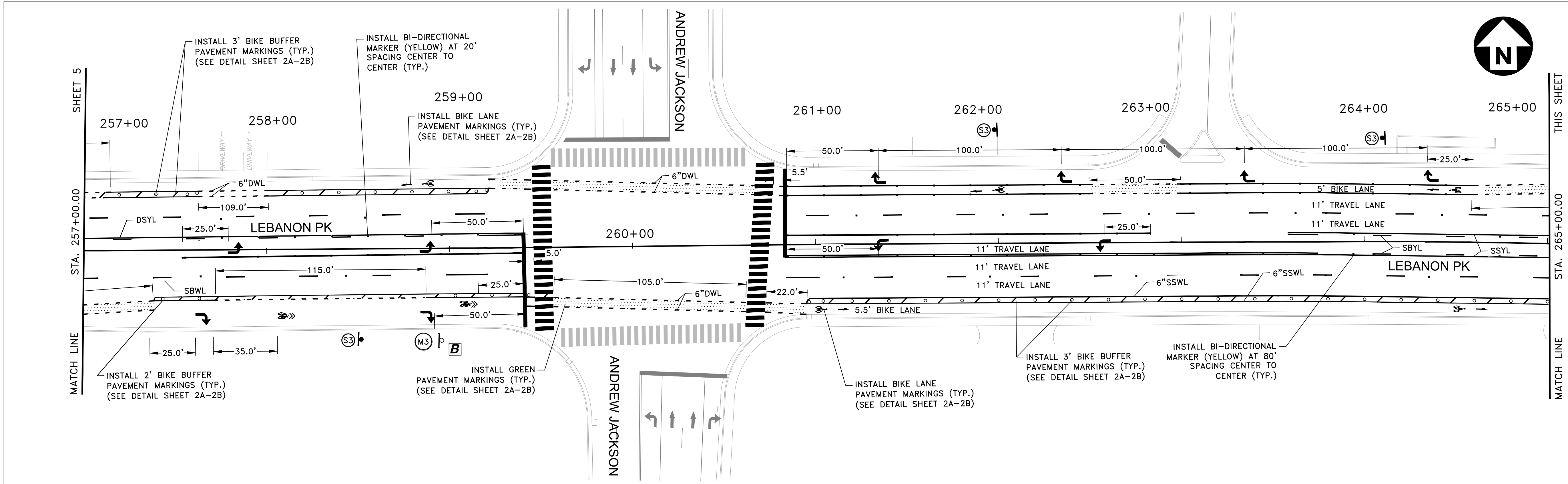


Professional Engineer Seal for Jonathan M. Clagdon, State of Tennessee, No. 107340, Commission Expires 01/10/2023.

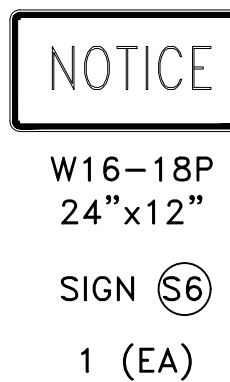
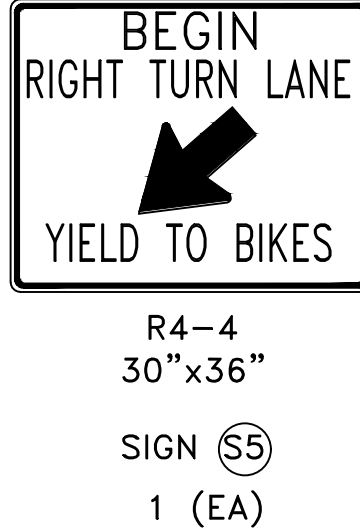


PAVEMENT MARKING AND SIGNING PLAN

SR-24 (LEBANON PIKE)
SCALE: 1"=30'
SHEET 6



TRAFFIC SIGNS (EXISTING TO BE MOVED)



MARKING ABBREVIATIONS

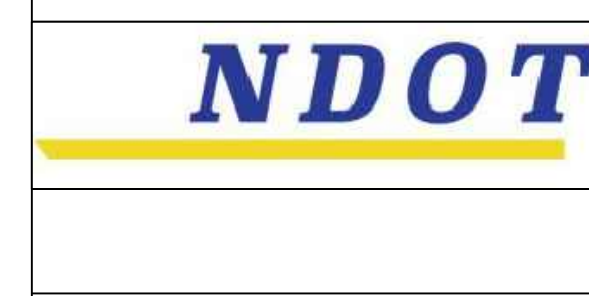
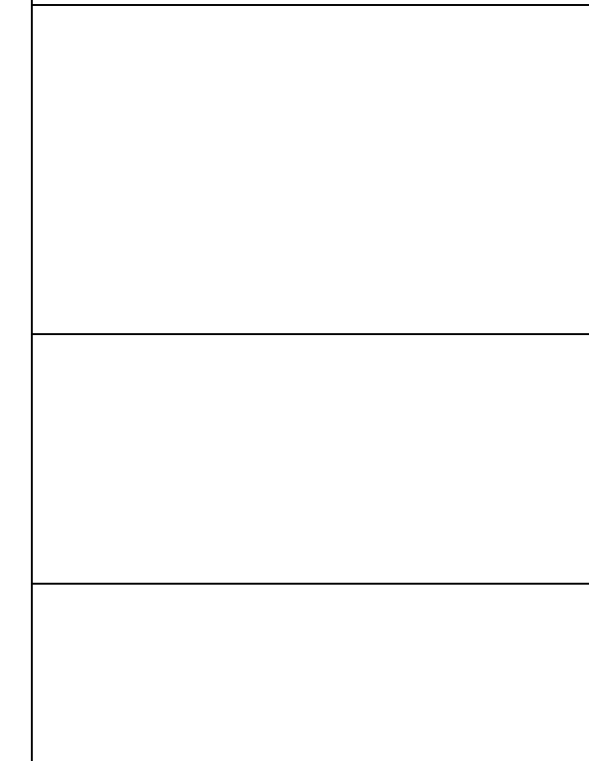
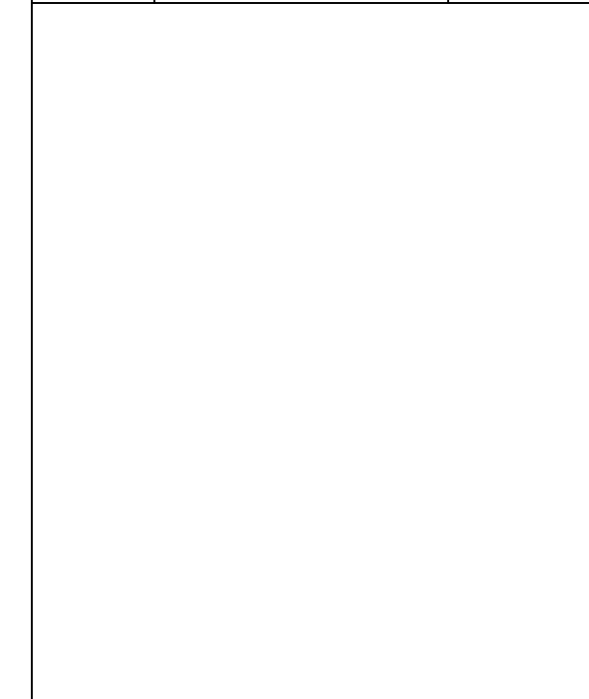
SSWL	- SINGLE SOLID WHITE LINE
SSYL	- SINGLE SOLID YELLOW LINE
SBWL	- SINGLE BROKEN WHITE LINE
SBYL	- SINGLE BROKEN YELLOW LINE
DSYL	- DOUBLE SOLID YELLOW LINE
DWL	- DOTTED WHITE LINE

6" UNLESS OTHERWISE SPECIFIED

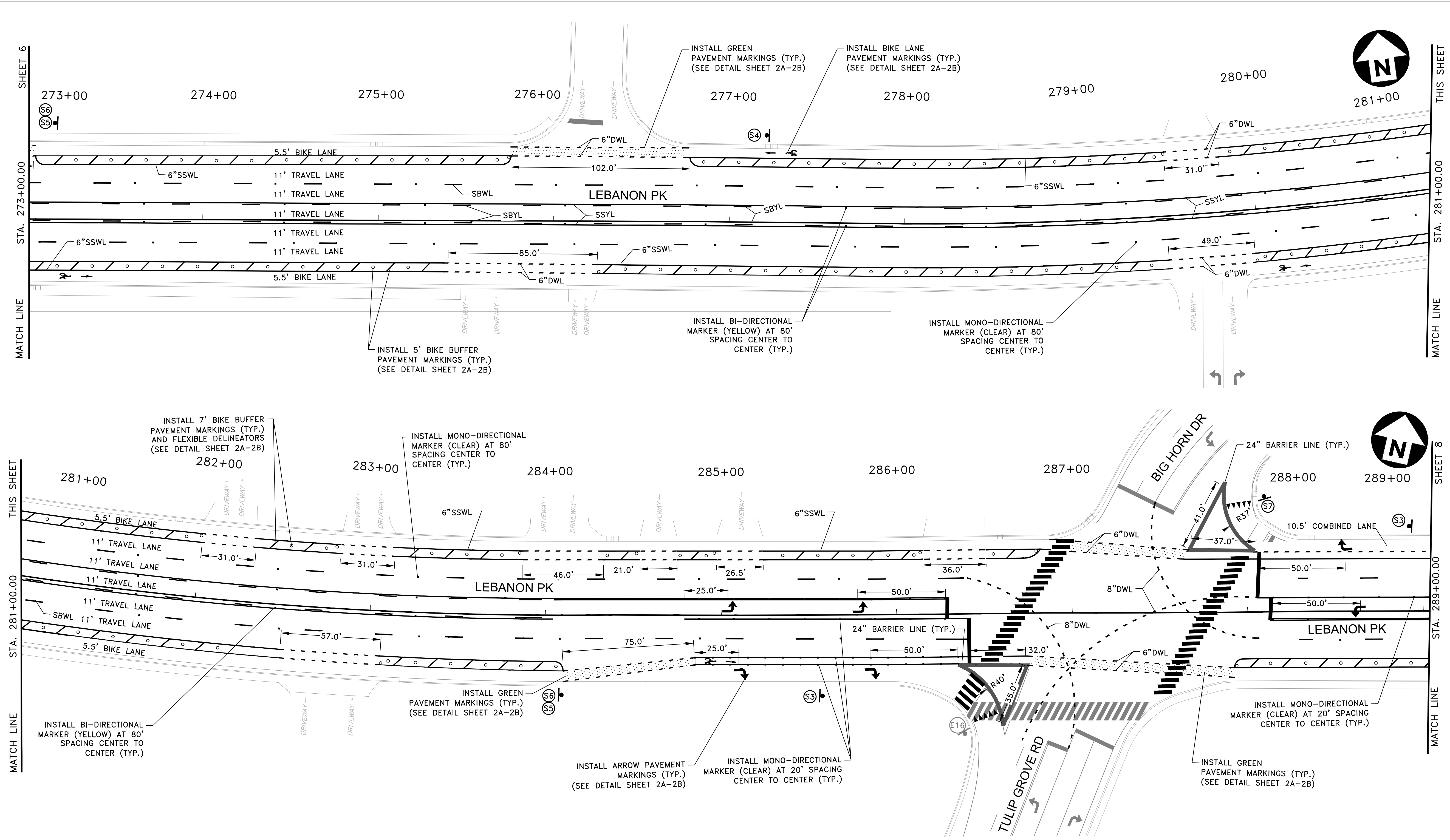


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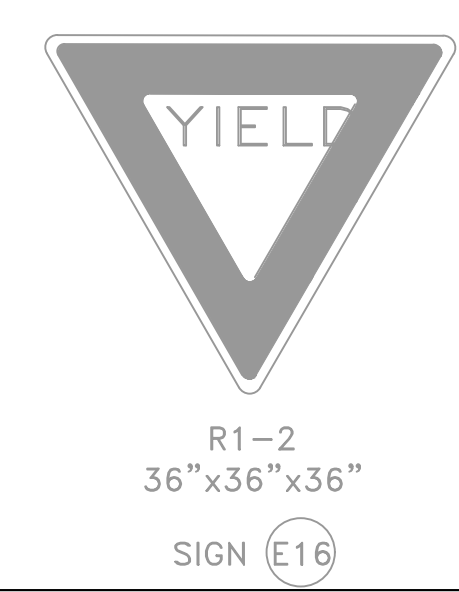
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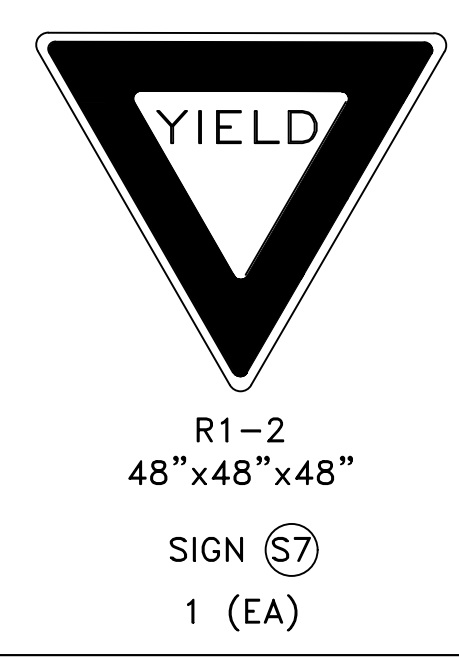
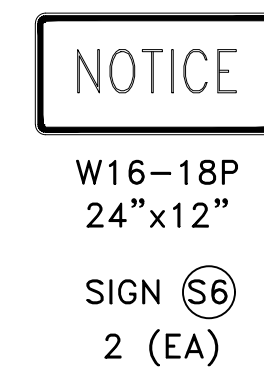
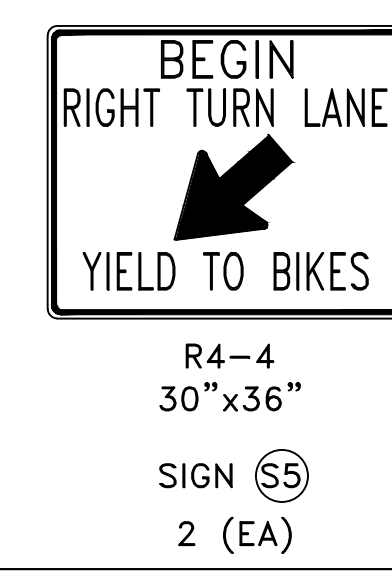
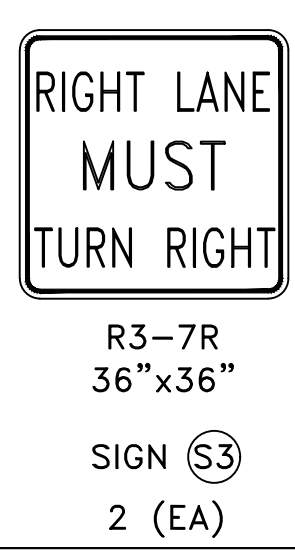
SR-24 (LEBANON PIKE)
SCALE: 1"=30'
SHEET 7



**TRAFFIC SIGNS (EXISTING TO REMAIN)**



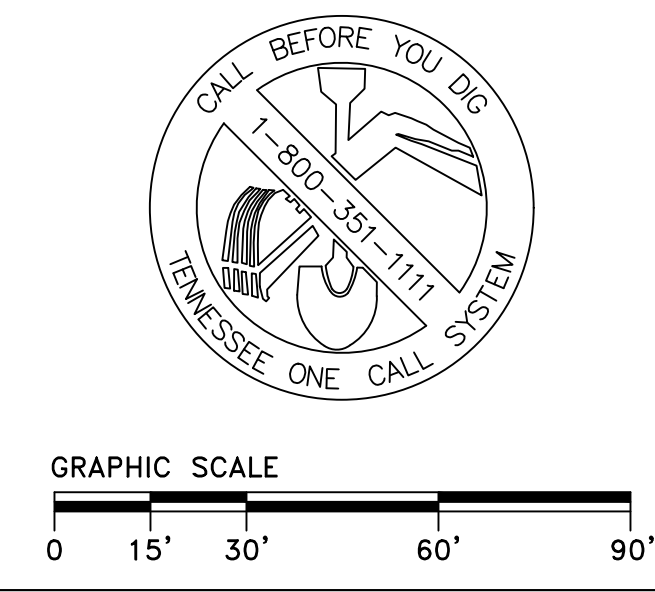
**TRAFFIC SIGNS (NEW)**



**MARKING ABBREVIATIONS**

SSWL	- SINGLE SOLID WHITE LINE
SSYL	- SINGLE SOLID YELLOW LINE
SBWL	- SINGLE BROKEN WHITE LINE
SBYL	- SINGLE BROKEN YELLOW LINE
DSYL	- DOUBLE SOLID YELLOW LINE
DWL	- DOTTED WHITE LINE



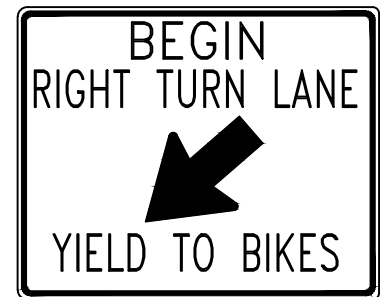

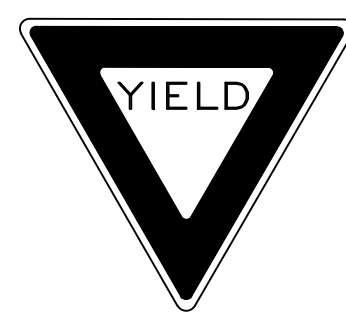

6" UNLESS OTHERWISE SPECIFIED





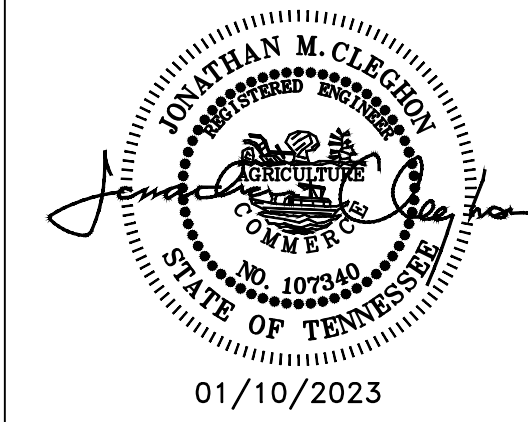
ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

THE FOLLOWING STANDARD DRAWINGS APPLY UNLESS OTHERWISE NOTED IN THE REMARKS: FLAT SHEET (T-S SERIES 10, 12, 16, 17, 19, 20); EXTRUDED PANEL (T-S SERIES 6, 9, 13, 14); WALL/BARRIER MOUNTED (T-S-21); MULTI-DIRECTIONAL BASE (T-S SERIES 23A, 23B, 23C); RAILROAD (T-S-16)

SIGN NO	LEGEND	SHEET NO	SIZE			COPY			SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					REMARKS			
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE			NUMERAL	SERIES	COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING		CONC. CU. YD.	REIN. STEEL LBS.	MINIMUM VERTICAL CLEARANCE
S3	 R3-7R	4 6,7	36"	36"	-	-	-	-	-	-	-	-	BLACK	WHITE	0.080" SHEET ALUMINUM	P3/P8	12'	TYPE 4	-	-	7' - 0"	
S4	 R3-17	6-8	24"	18"	-	-	-	-	-	-	-	-	BLACK WHITE	BLACK WHITE	0.080" SHEET ALUMINUM	P3/P8	12'	TYPE 4	-	-	7' - 0"	
S5	 R4-4	5-7	36"	30"	-	-	-	-	-	-	-	-	BLACK	WHITE	0.080" SHEET ALUMINUM	P3/P8	12'	TYPE 4	-	-	7' - 0"	
S6	 W16-18P	6-8	24"	12"	-	-	-	-	-	-	-	-	BLACK	FLUOR YELLOW - GREEN	0.080" SHEET ALUMINUM	-	-	-	-	-	7' - 0"	MOUNTED ABOVE SIGN S5
S7	 R1-2	7	48"	48"	-	-	-	-	-	-	-	-	RED BLACK	WHITE	0.080" SHEET ALUMINUM	P3/P8	-	-	-	-	7' - 0"	
<b>REMOVE AND RELOCATE EXISTING SIGNS</b>																						
M3	 BUS STOP	5	EXIST.	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SIGN FACE AND POST TO BE RELOCATED APPROXIMATELY 350' WEST OF EXISTING SIGN LOCATION
		6	EXIST.	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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SIGN SCHEDULE

SR-24 (LEBANON PIKE)

N.T.S.

SHEET 9