

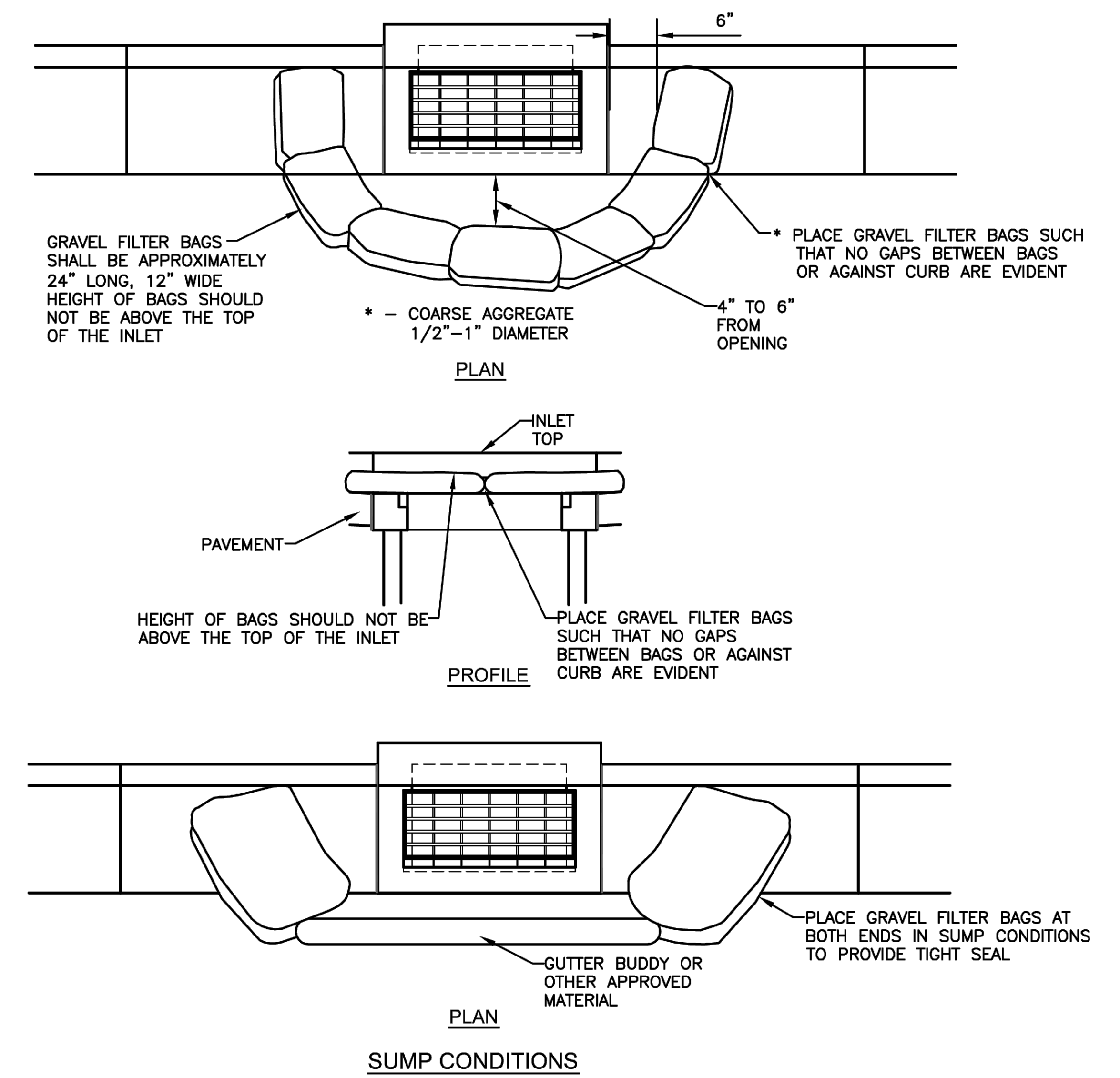
- NOTES:
1. BASE OF FABRIC SHALL BE BURIED AT LEAST 1' BELOW GROUND SURFACE AND BACKFILLED WITH CRUSHED STONE OR COMPACTED MATERIAL.
  2. WIRE MESH FENCE MAY BE USED TO SUPPORT FABRIC. TOP OF FENCE SHOULD BE LEVEL WITH FRAME AND BOTTOM BURIED 6" BELOW GROUND.
  3. MAY BE NECESSARY TO BUILD A TEMPORARY 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**

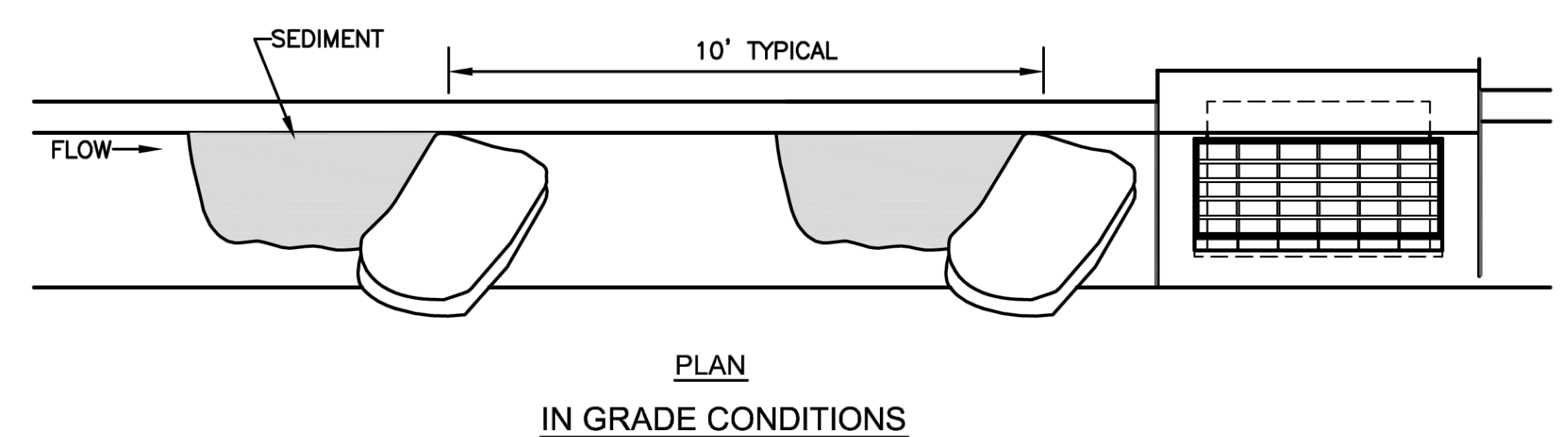
- GENERAL NOTES:
1. ANY EROSION AND SEDIMENT CONTROL MEASURES INTENDED TO CONTROL EROSION OF AN EARTH DISTURBANCE OPERATION SHALL BE INSTALLED BEFORE ANY EARTH DISTURBANCE OPERATIONS TAKE PLACE.
  2. THE CONTRACTOR SHALL INSPECT THE LAND DISTURBANCE SITE AFTER EACH SIGNIFICANT RAINFALL EVENT WITHIN A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



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



- 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



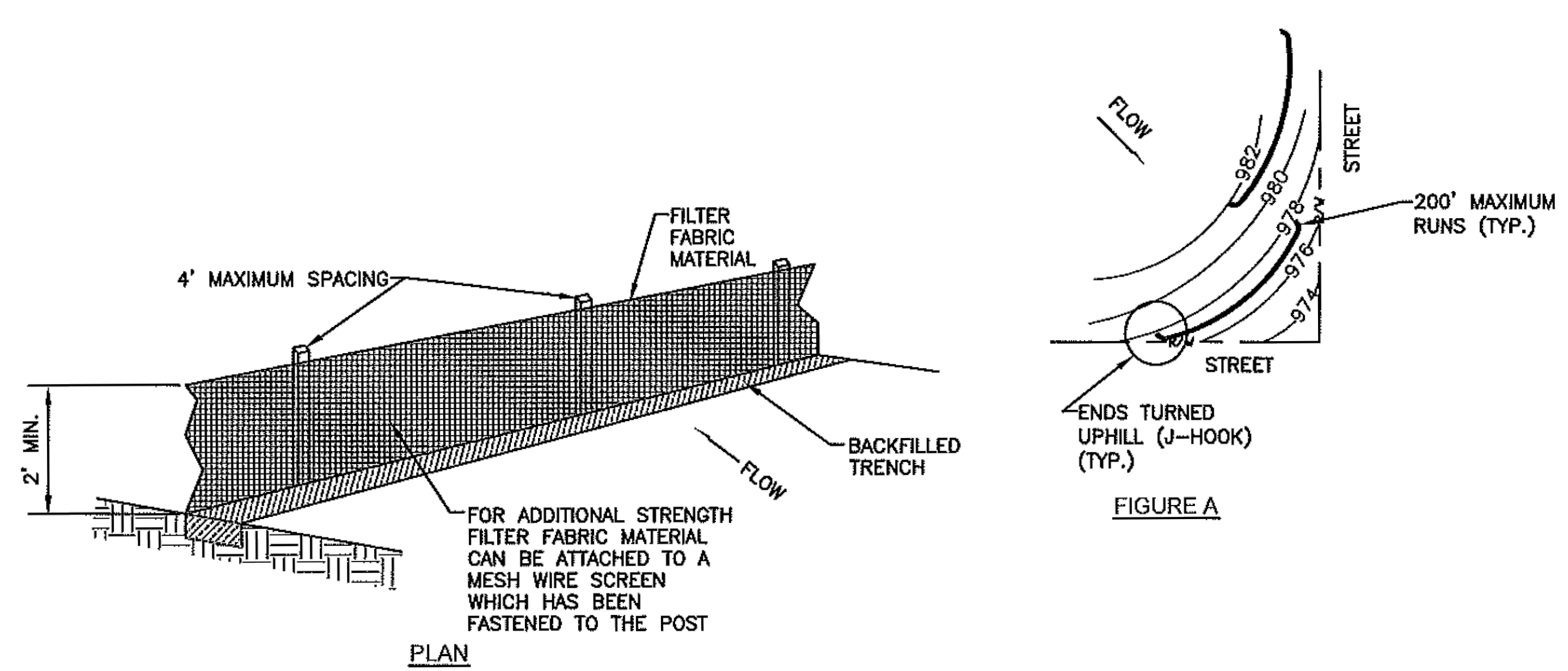
**SHAWNEE COUNTY, KANSAS**  
PUBLIC WORKS DEPARTMENT  
**COUNTY ENGINEER**  
1515 NW SALINE  
TOPEKA, KS 66618  
(785) 233-7702



**STANDARD DETAILS**

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

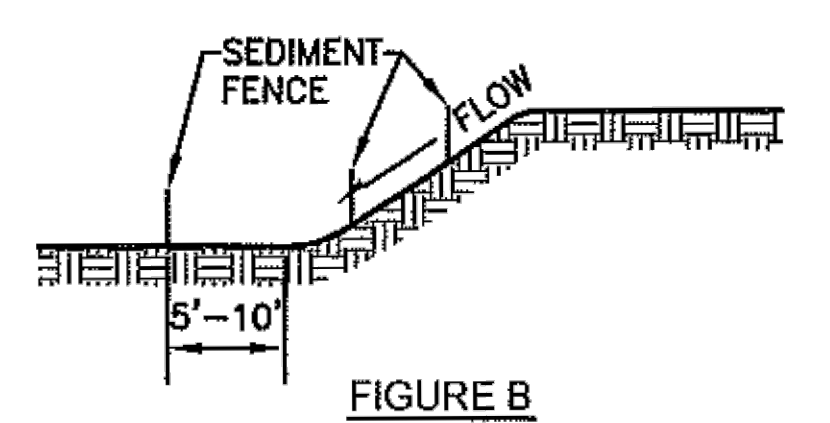
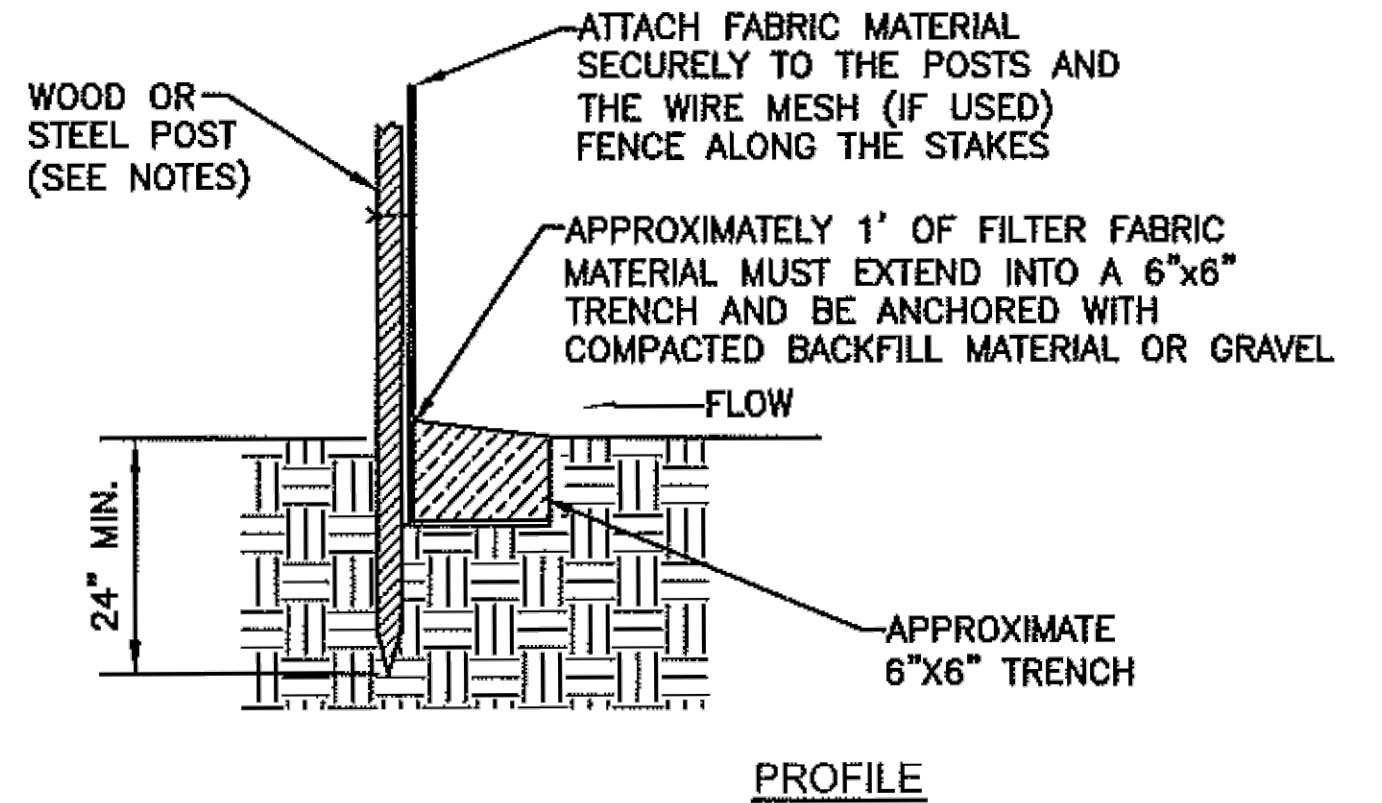
DATE: 3/17/2026  
SHEET: 29 OF 34  
PROJ.: 841098.05, 501125.03



Land Slope and Distance for Sediment Fence

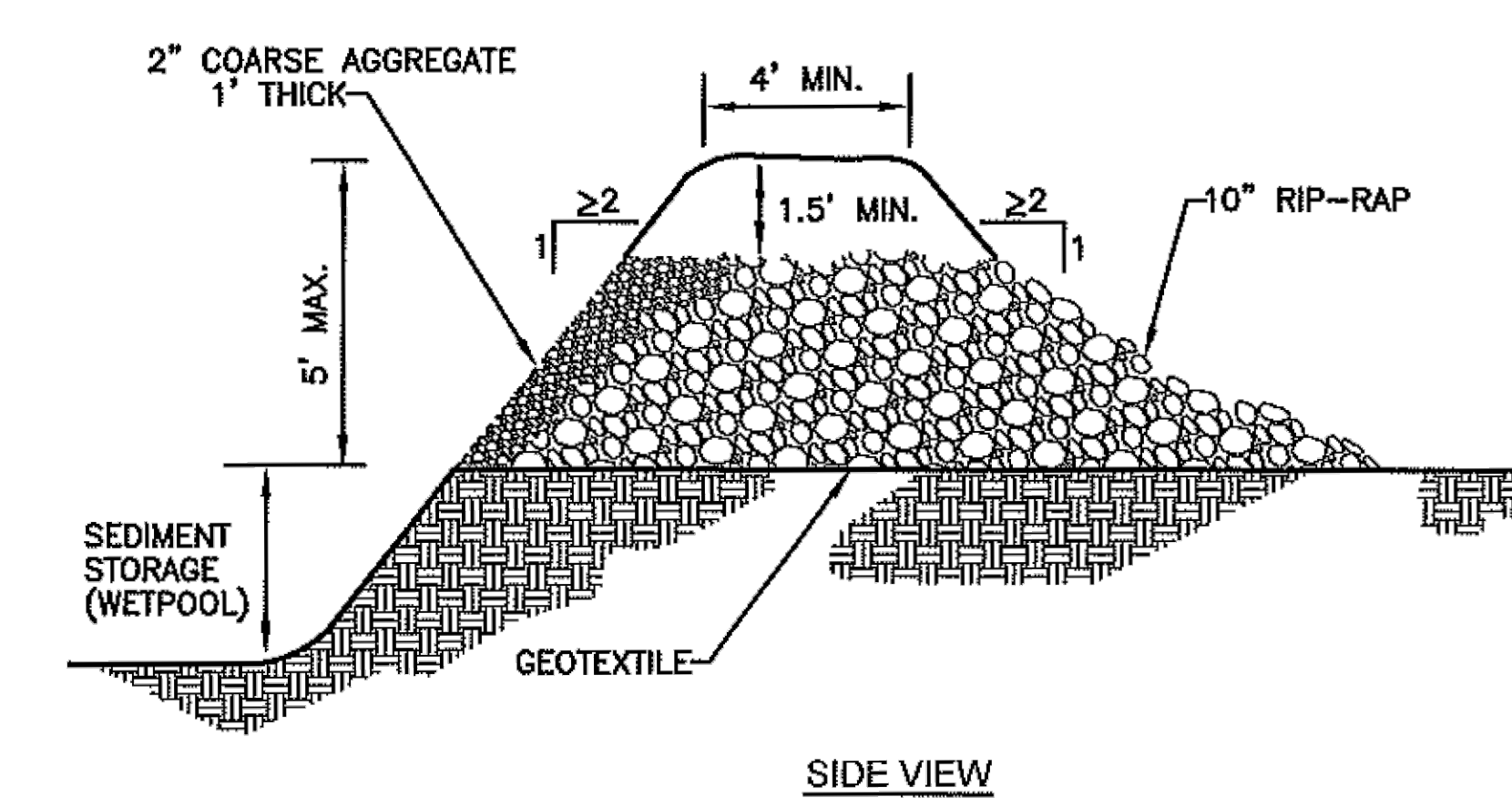
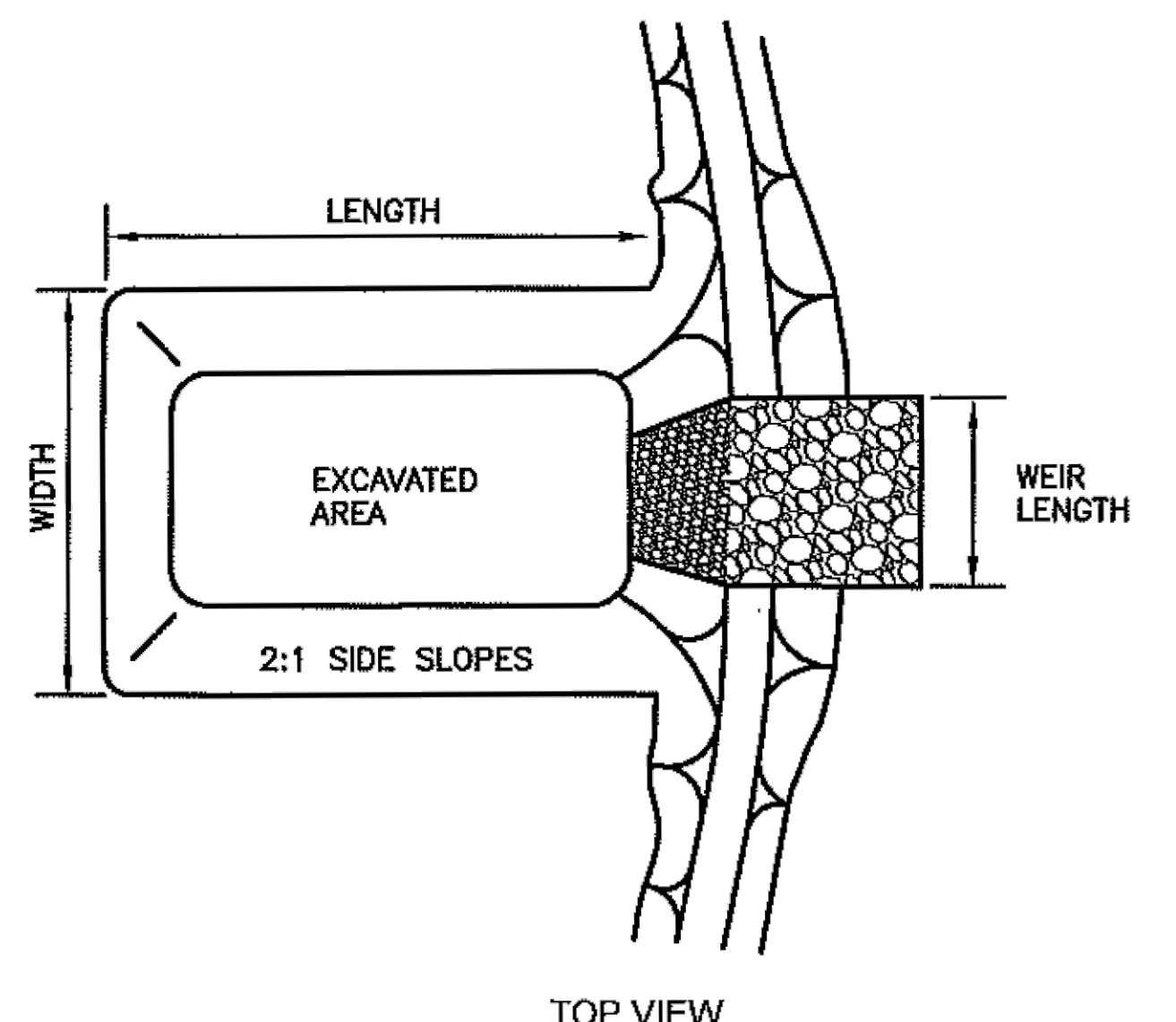
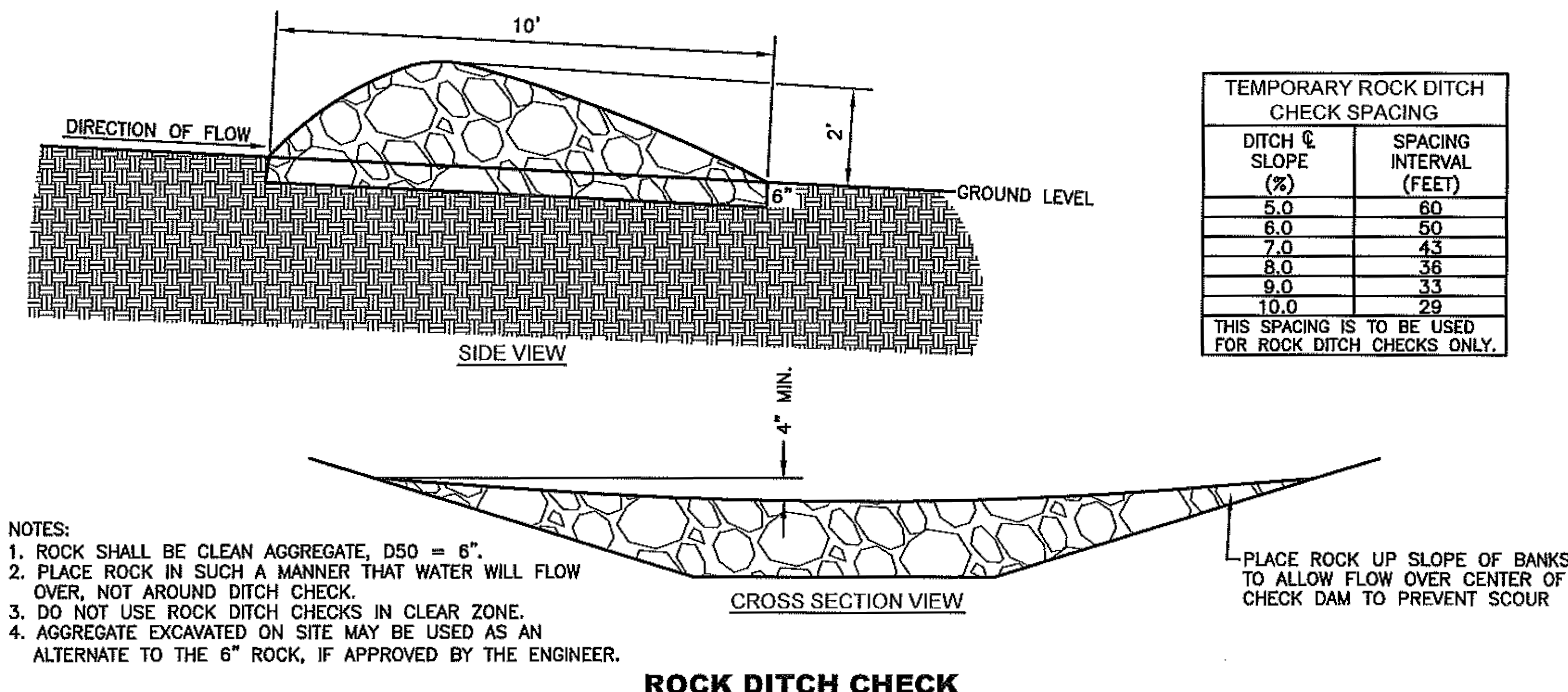
| Land Slope (percent)     | Maximum Slope Distance* above Fence (feet) |
|--------------------------|--|
| Less than 2              | 100  |
| 2 to 5                   | 75   |
| 5 to 10, greater than 10 | 50*  |

\*Follow manufacturers' recommendations for proper spacing.

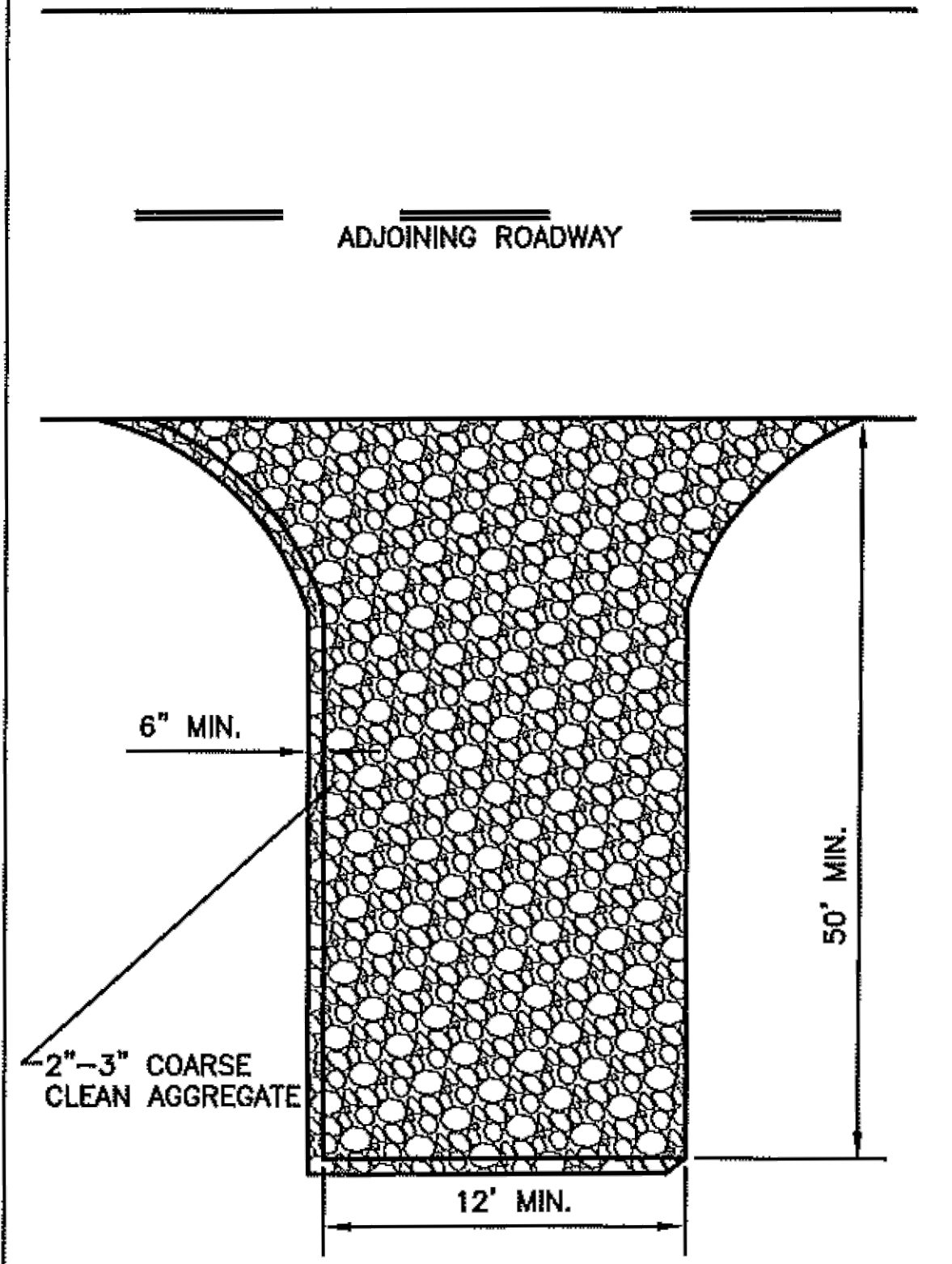


- NOTES:**
1. THE USE OF HAY/STRAW BALES IS THE CONTRACTOR'S OPTION. IF HAY BALES ARE USED PLACE TIGHTLY TOGETHER WITH 2"x2"x4' (MIN.) LENGTH WOOD STAKES IN OUTER 1/3 SECTIONS OF BALES. BALES SHOULD BE EMBEDDED INTO THE SOIL A MINIMUM OF 6" WITHIN A MAXIMUM DRAINAGE AREA OF 1 ACRE OR LESS.
  2. THE SEDIMENT FENCES SHALL BE PLACED ALONG CONTOUR LINES, WITH A SHORT SECTION TURNED UPGRADE (J-HOOK) AT EACH END OF THE BARRIERS TO HOLD WATER AND SEDIMENT (SEE FIGURE A).
  3. AREAS THAT CONTAIN LARGER CONCENTRATIONS OF WATER SHALL BE LIMITED TO LENGTHS OF SILT FENCES TO NO LONGER THAN 200' (SEE FIGURE A). LIMIT TO 1/4 ACRE PER 100' OF FENCE. FURTHER RESTRICT AREA BY LAND SLOPE TABLE ABOVE.
  4. AREAS SHOULD BE BROKEN UP WITH INTERIOR SEDIMENT FENCE TO MINIMIZE WATER CONCENTRATIONS AND LONG SLOPES (SEE FIGURE B).
  5. SEDIMENT FENCES INSTALLED AT TOE OF SLOPE SHALL BE PLACED 5' TO 10' AWAY (DOWNSTREAM) TO CREATE SEDIMENT STORAGE (SEE FIGURE B).
  6. DEPTH OF WATER CONCENTRATIONS SHOULD NOT EXCEED 1.5' AT ANY POINT ALONG THE FENCE.
  7. PLACE SILT FENCE ONLY WHERE OVERLAND OR SHEET FLOW DISCHARGES OCCUR.
  8. SILT FENCES SHOULD NOT BE USED IN CONCENTRATED FLOW CHANNELS, OR AS INLET PROTECTION DEVICES IF FLOODING CONDITIONS COULD OCCUR.
  9. DO NOT USE HAY OR STRAW BALES WITH WIRE TIES.
  10. WHEN SEDIMENT REACHES 1/2 HEIGHT OF SILT FENCE OR SIMILAR CONTROL MEASURE, THE CONTRACTOR SHALL REMOVE THE SEDIMENT.

**SILT FENCE**



**SEDIMENT BASIN**



- NOTES:**
1. GEOTEXTILE FABRIC MAY BE USED AS AN UNDERLINER IN WET CONDITIONS TO PROVIDE STABILITY.
  2. PROVIDE SUFFICIENT WIDTH, LENGTH & TURNING RADIUS FOR CONSTRUCTION VEHICLES ENTERING & EXITING SITE.
  3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF SEDIMENT ON TO STREETS AND KEEP THE ENTRANCE EFFECTIVE.
  4. PROPERLY GRADE TO PREVENT RUNOFF FROM LEAVING CONSTRUCTION SITE THROUGH ENTRANCE/EXIT.
  5. DO NOT ALLOW ROCK SPACES TO BE FILLED IN WITH DIRT - ROCKS MUST BE KEPT LOOSE.

**CONSTRUCTION ENTRANCE**

| NO. | DATE       | REVISION                                 | BY  | APP'D |
|-----|------------|--|-----|-------|
| 3   | May 2015   | Updated Notes & Added Rock Ditch Check   | DHS | JDH   |
| 2   | March 2013 | Repl. Sed. Trap & Added Land Slope Table | DHS | JDH   |
| 1   | Dec. 2009  | Modified Stoke Depth & Spacing           | DHS | JDH   |

DRAWN BY: DHS  
APP'D BY: JDH



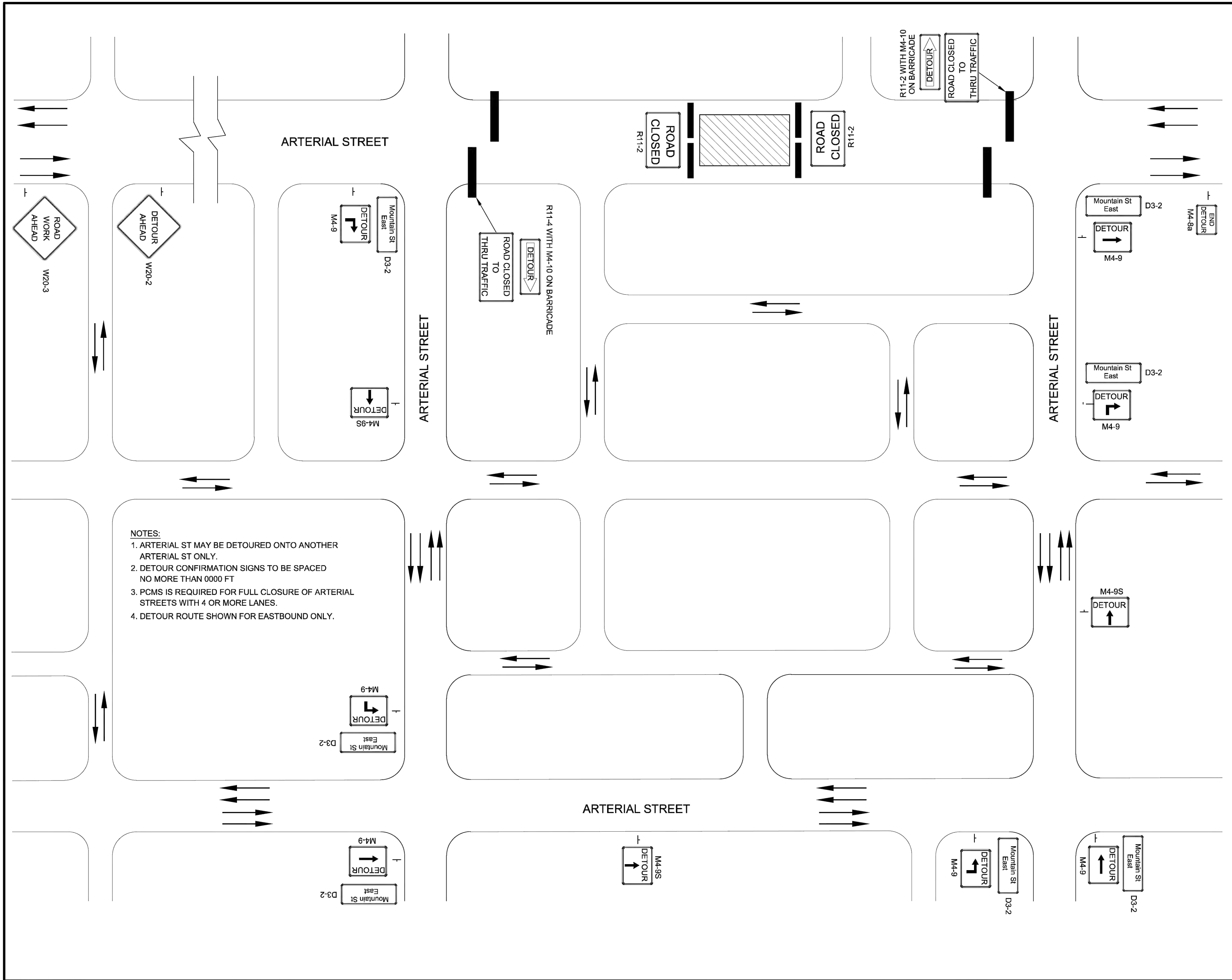
**SHAWNEE COUNTY, KANSAS**  
PUBLIC WORKS DEPARTMENT  
**COUNTY ENGINEER**  
1515 NW SALINE  
TOPEKA, KS 66618  
(785) 233-7702



**STANDARD DETAILS**

**EROSION & POLLUTION CONTROL**  
SILT FENCE, SEDIMENT BASIN,  
CONSTRUCTION ENTRANCE,  
AND ROCK DITCH CHECK  
(DT-021)

DATE: 3/17/2026  
SHEET: 30 OF 34  
PROJ.: 841098.05, 501125.03



**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**

- = SIGN
- ◁◁◁◁ = ARROW PANEL BOARD
- ▬ = TYPE III BARRICADE
- ▨ = WORK SPACE
- = CHANNELIZING DEVICES
- ⏏ = FLAGGER

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

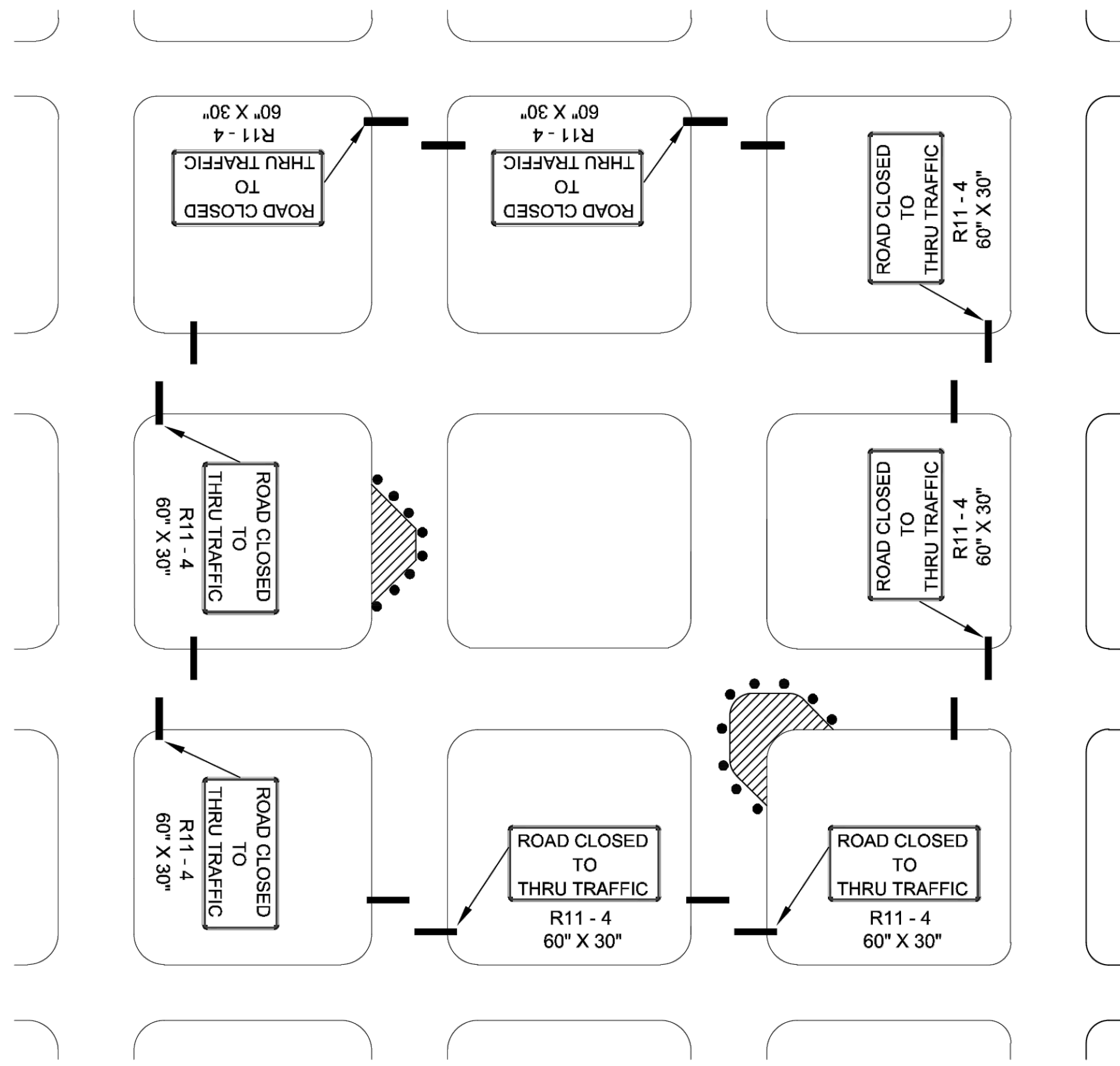
DRAWN BY: Shoeb Uddin  
 APP'D BY: Kristi Ericksen

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

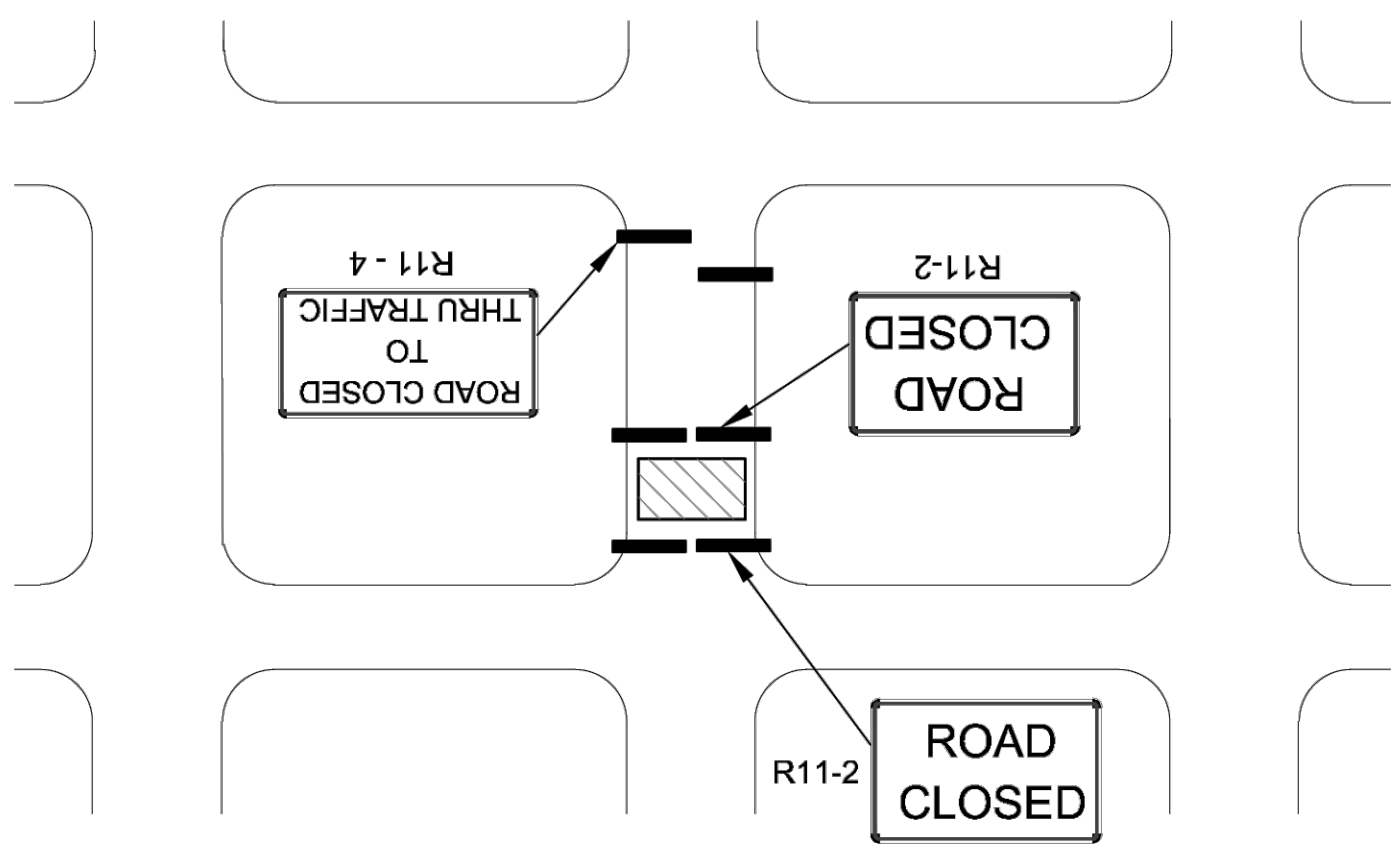
**STANDARD DETAILS**  
**DT - 118 A**

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

DATE: 3/17/2026  
 PAGE: 31 OF 34  
 PROJECT: 841098.05\_601125.03

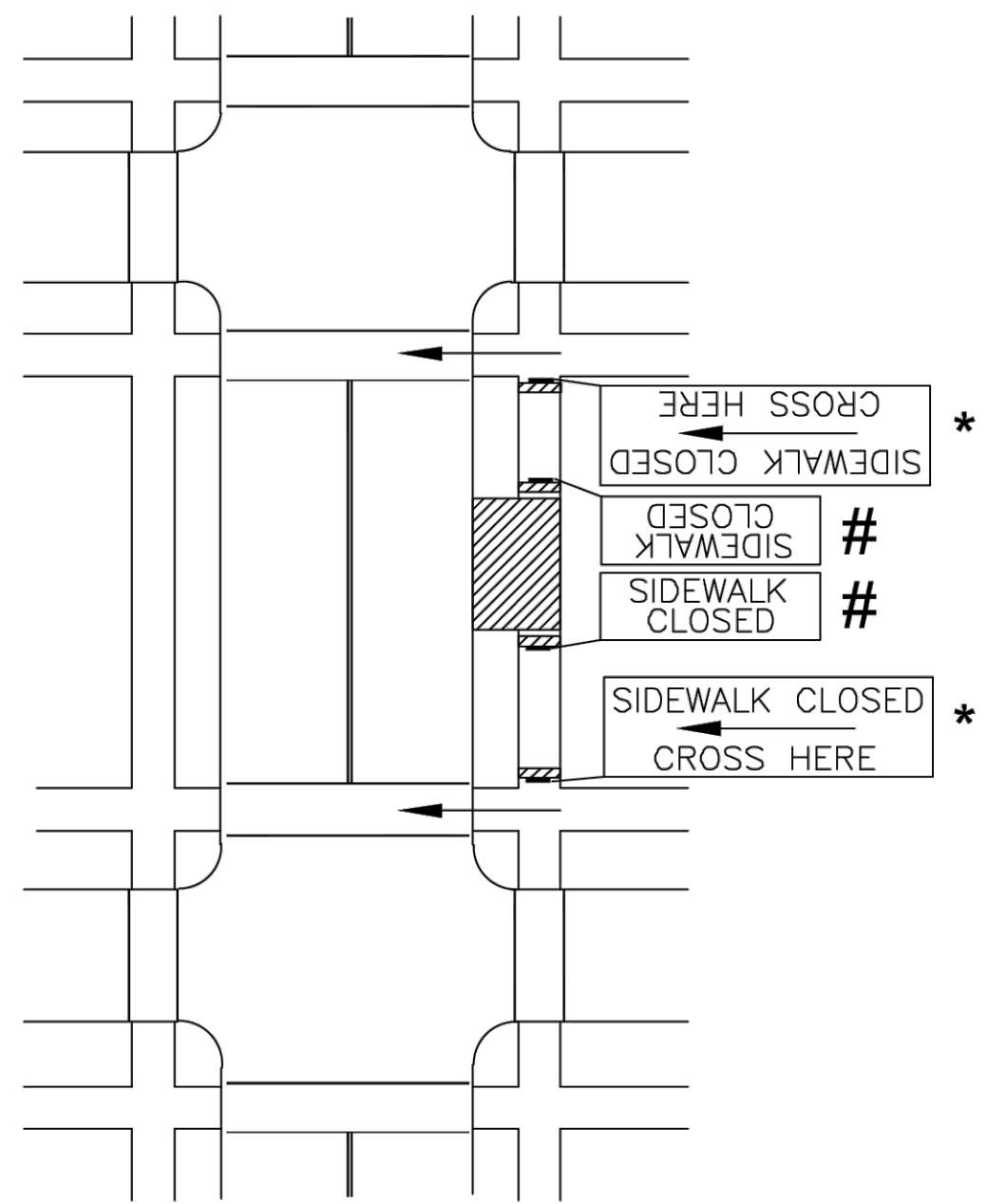


**FIGURE - 118 B (1)  
CONSTRUCTION WORK ON RESIDENTIAL / LOCAL STREETS**

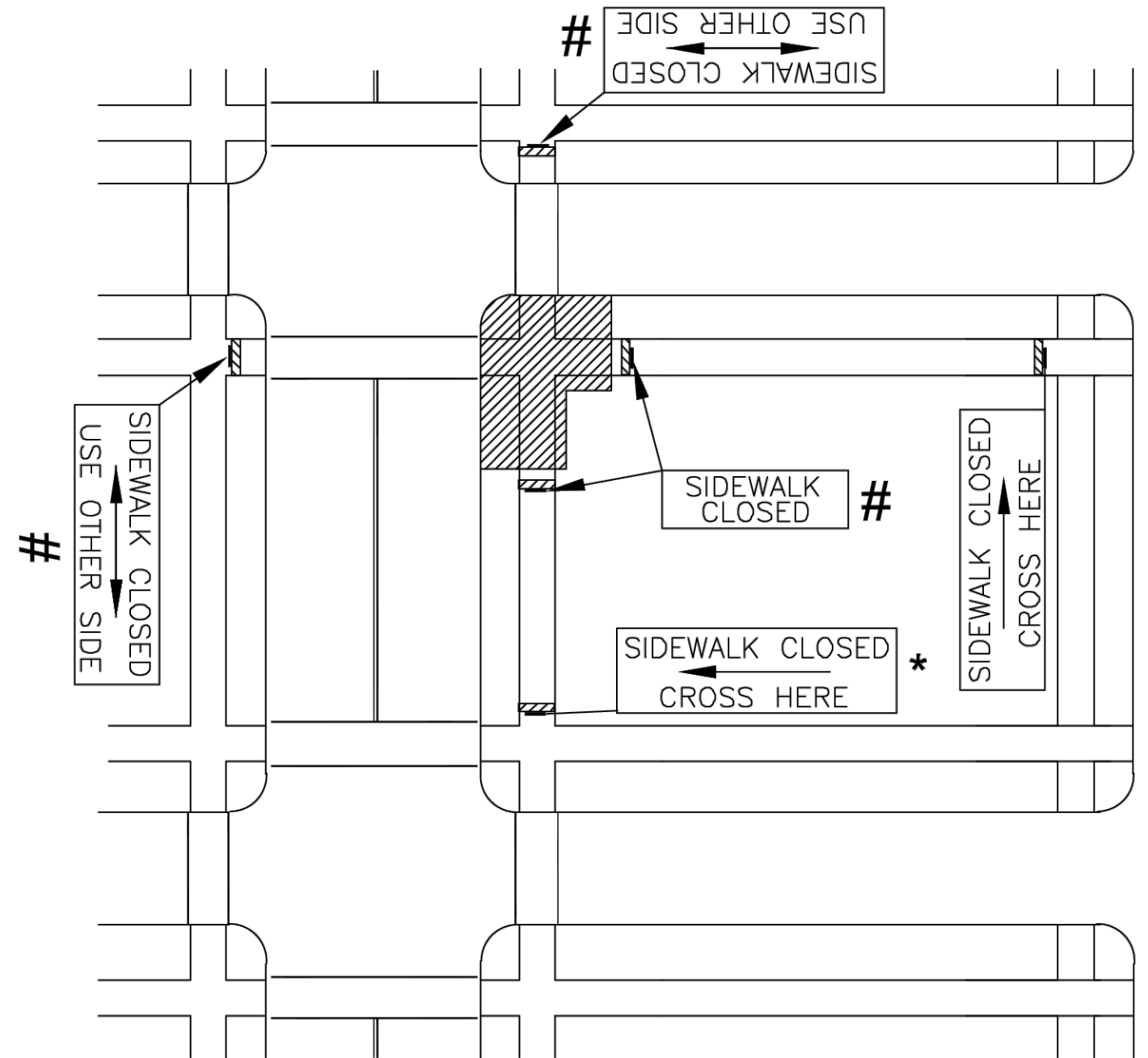


Need for Detour will be determined by the Engineer. Collector Streets cannot be detoured onto local or residential streets.

**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   |

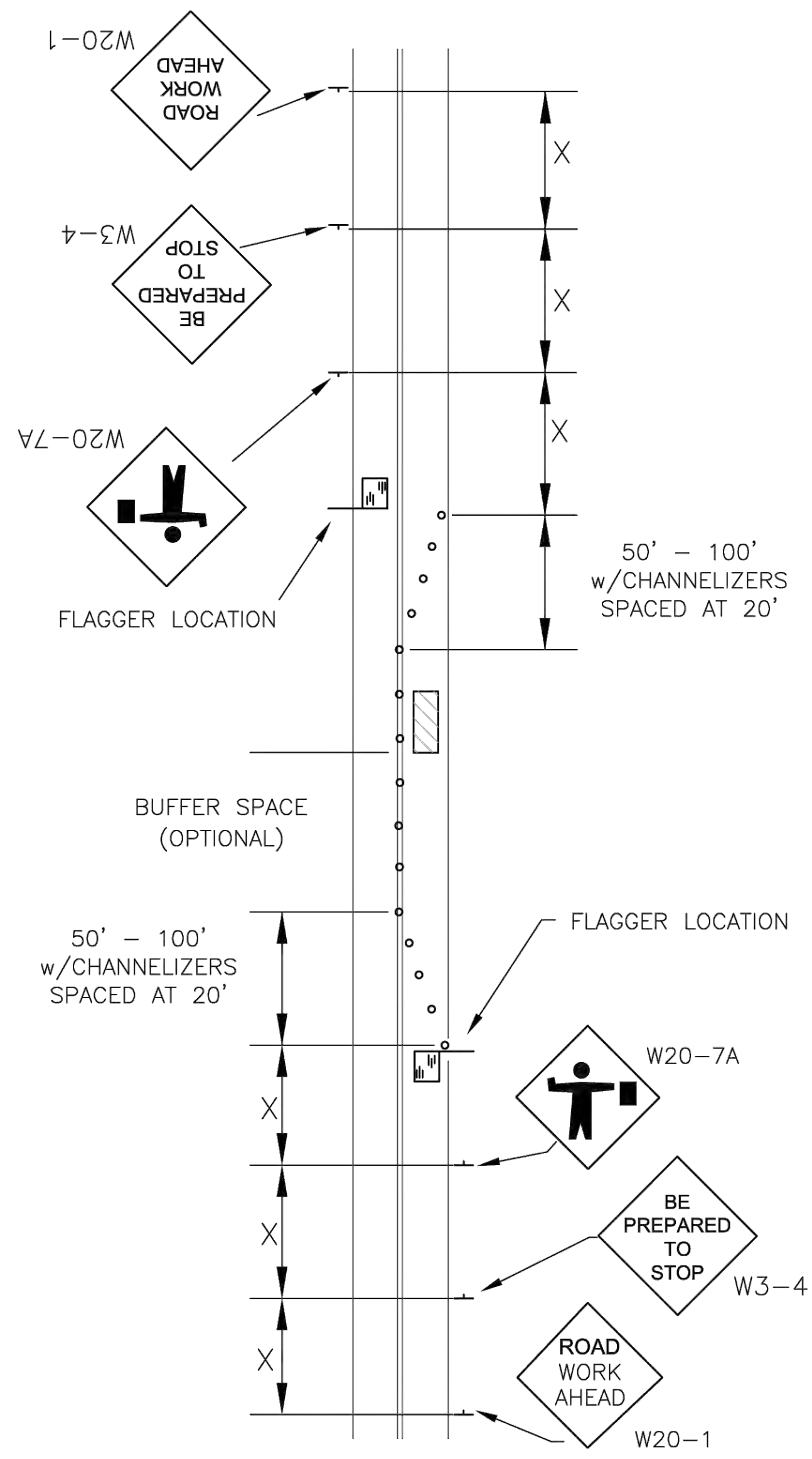
DRAWN BY: Shoeb Uddin  
APP'D BY: Kristi Ericksen

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

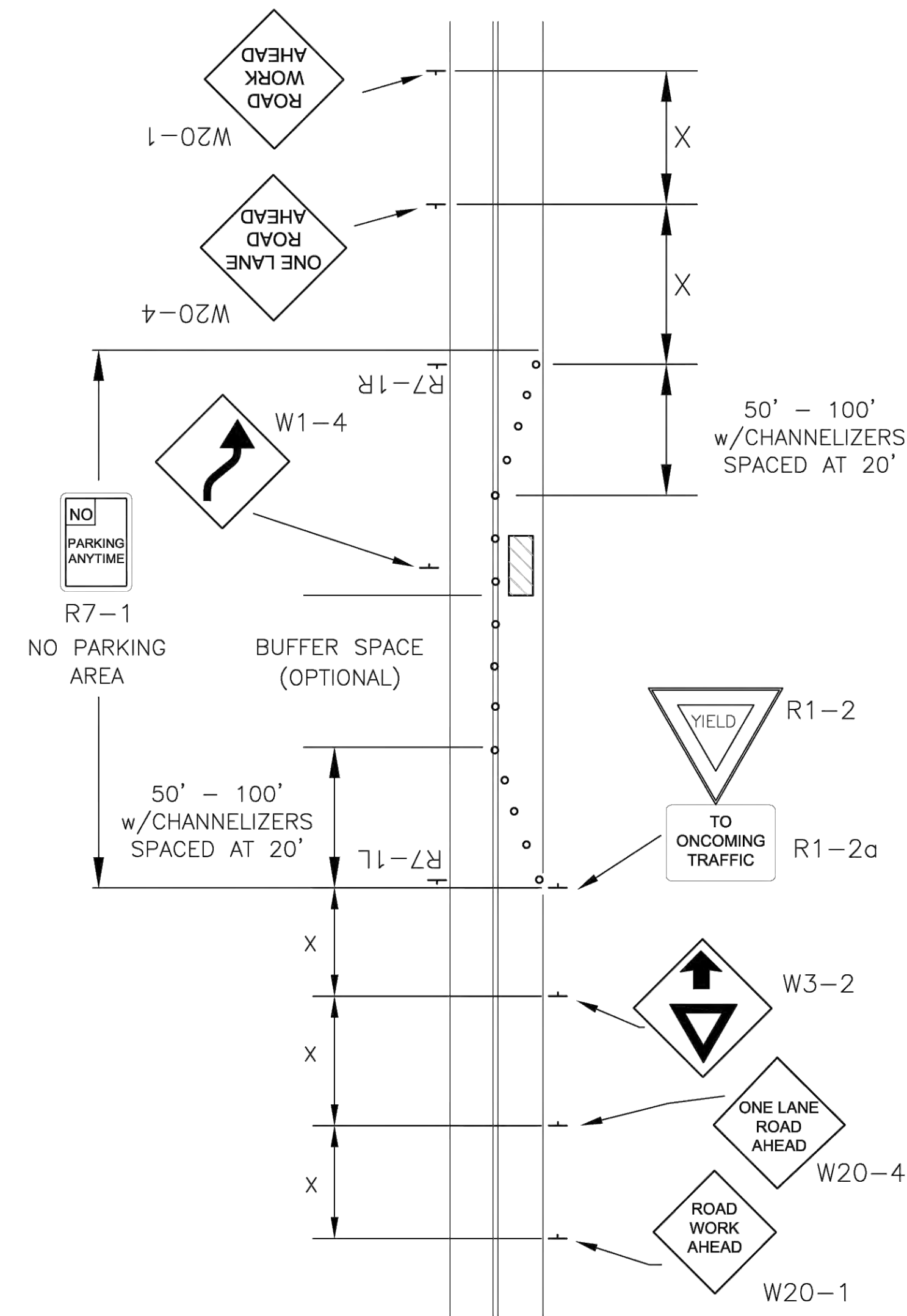
STANDARD DETAILS  
DT - 118 B

TRAFFIC CONTROL  
LOCAL STREET / SIDEWALK CLOSURES

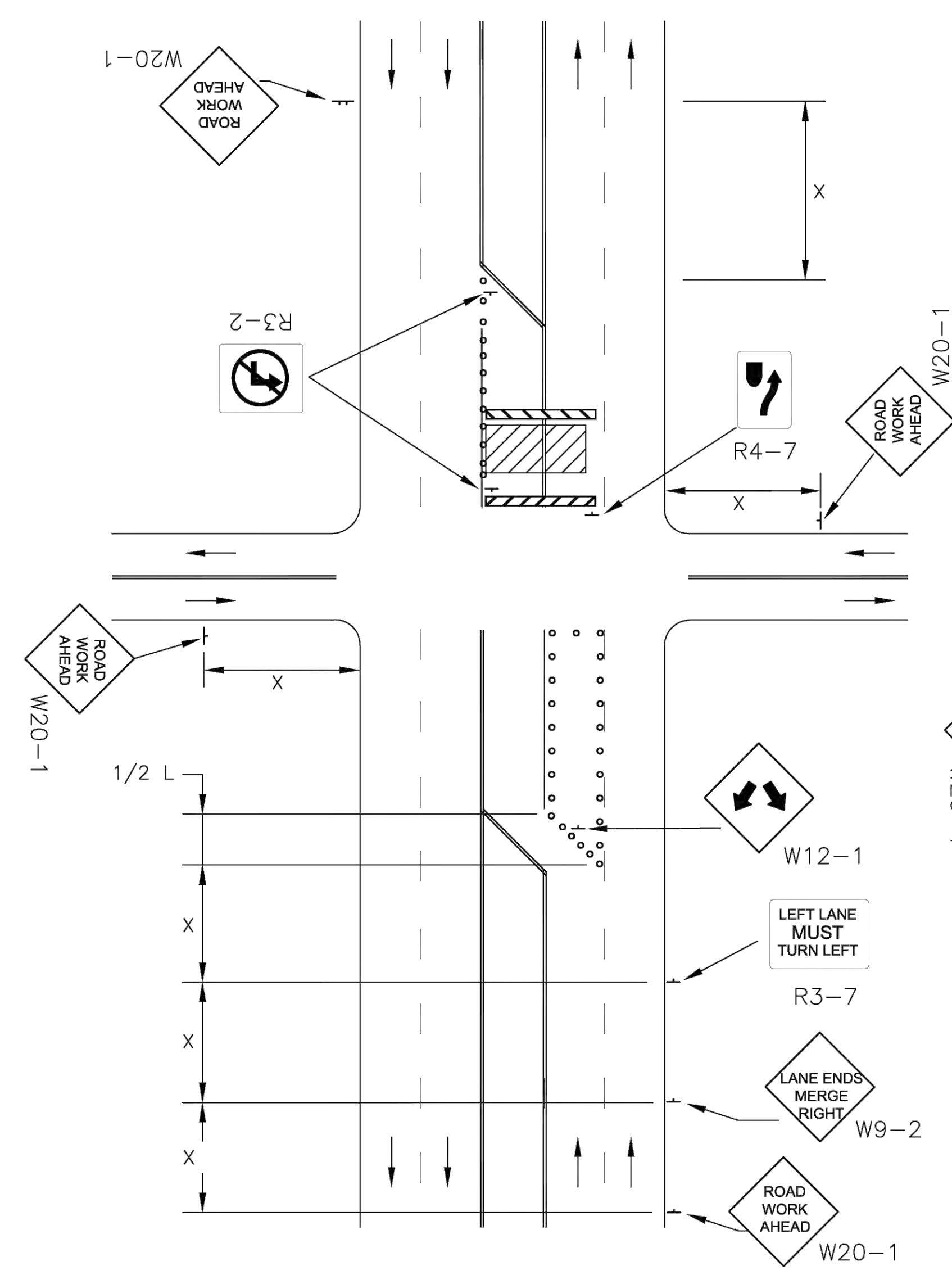
DATE: 3/17/2026  
PAGE: 32 OF 34  
PROJECT: 841098.05, 501125.03



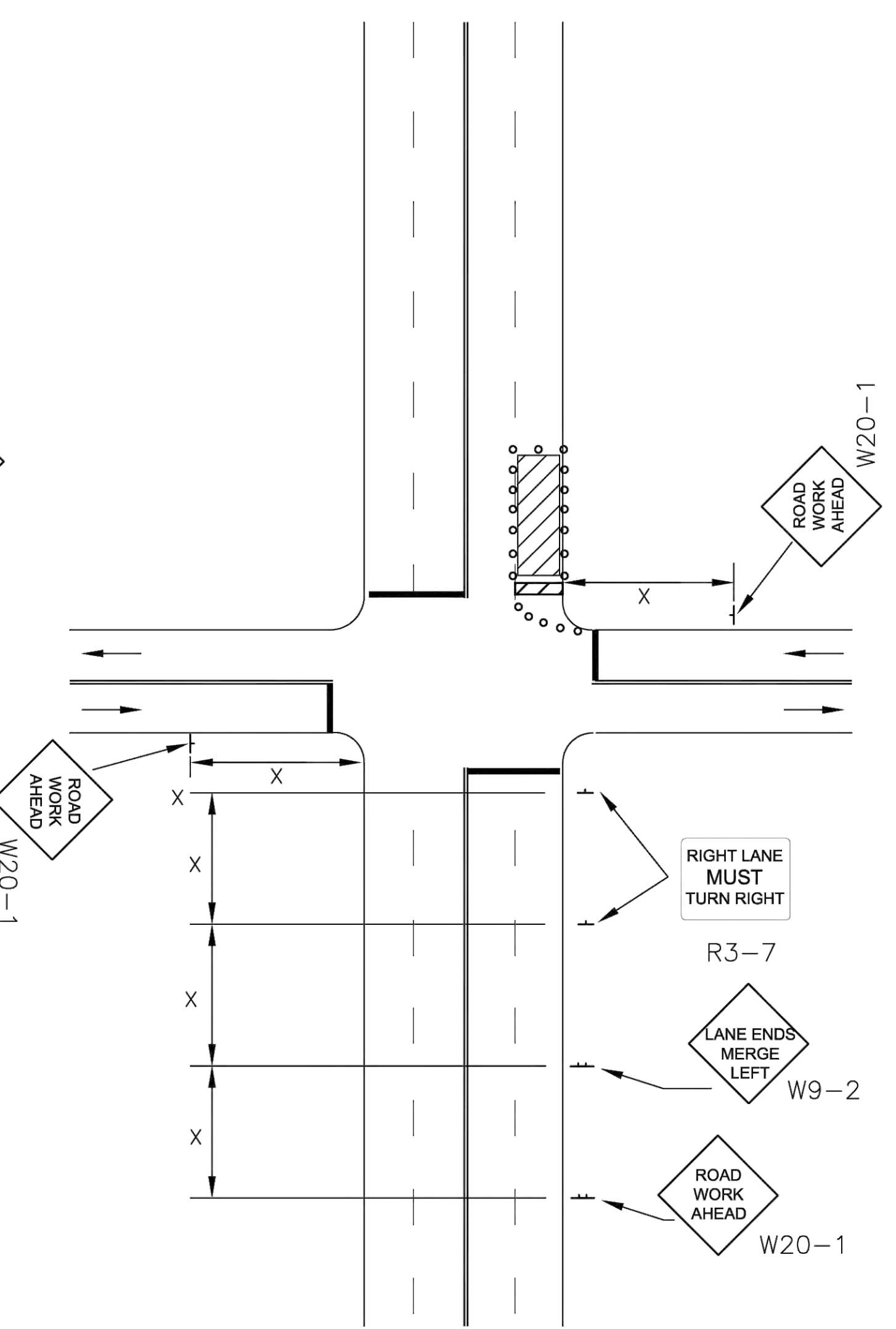
**LANE CLOSURE ON TWO-LANE ROAD  
W/ FLAGGER, DAYTIME ONLY**



**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**

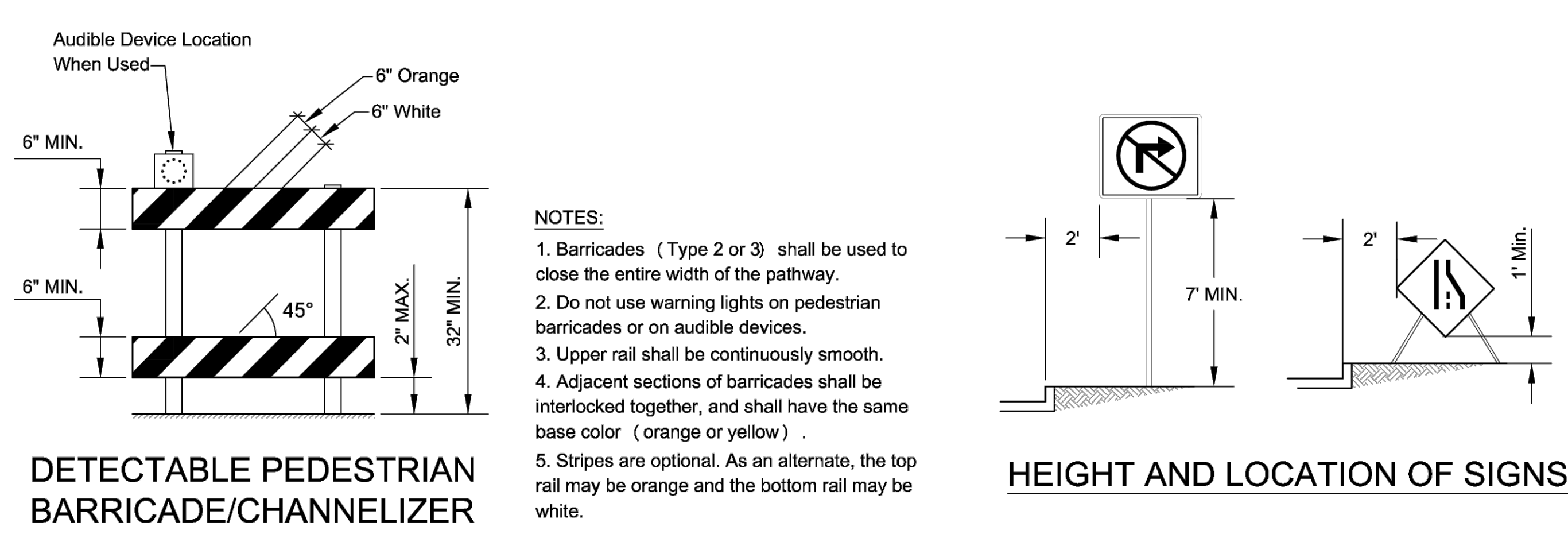
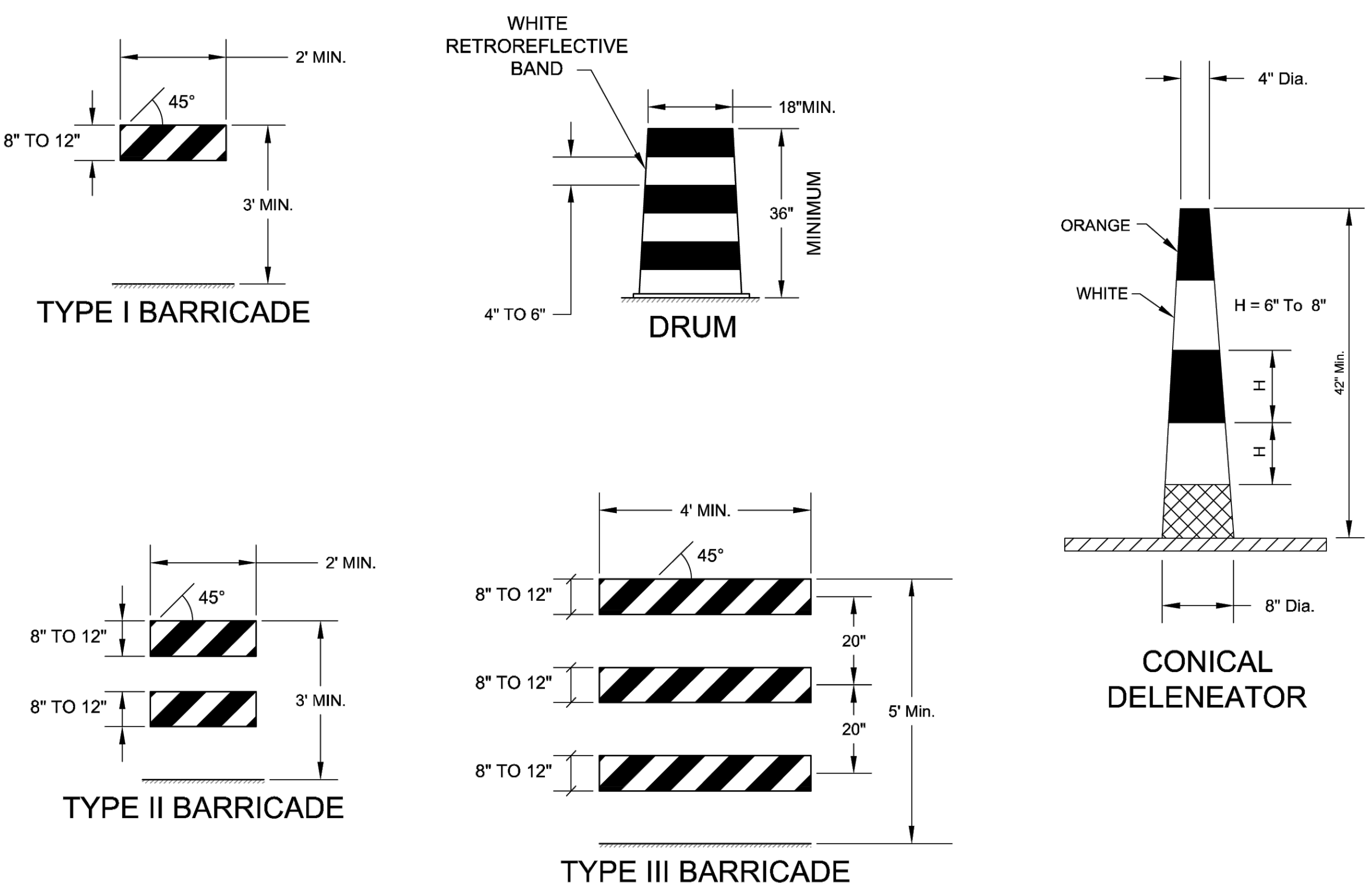
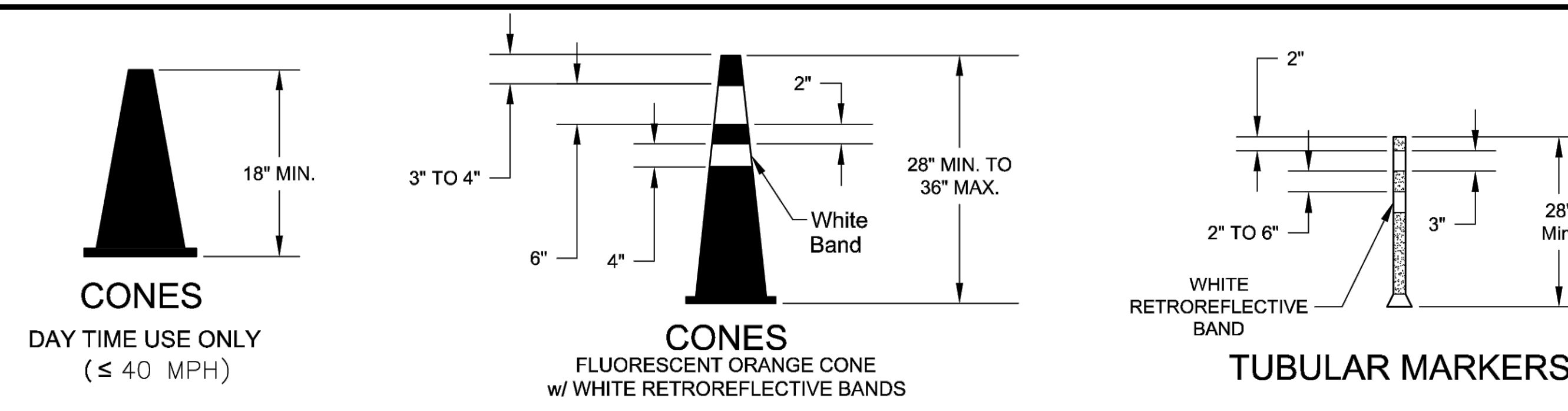
| NO. | DATE:    | REVISION                        | BY: | APP'D |
|-----|----------|---------------------------------|-----|-------|
| 3   | 08/15/23 | UPDATE W9-2 SIGN TEXT           | AMR |       |
| 2   | 08/06/15 | REMOVE W4-7 & REPLACE WITH W9-2 | KAP | TLC   |
| 1   | 01/30/12 | UPDATE SPECIFICATIONS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

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

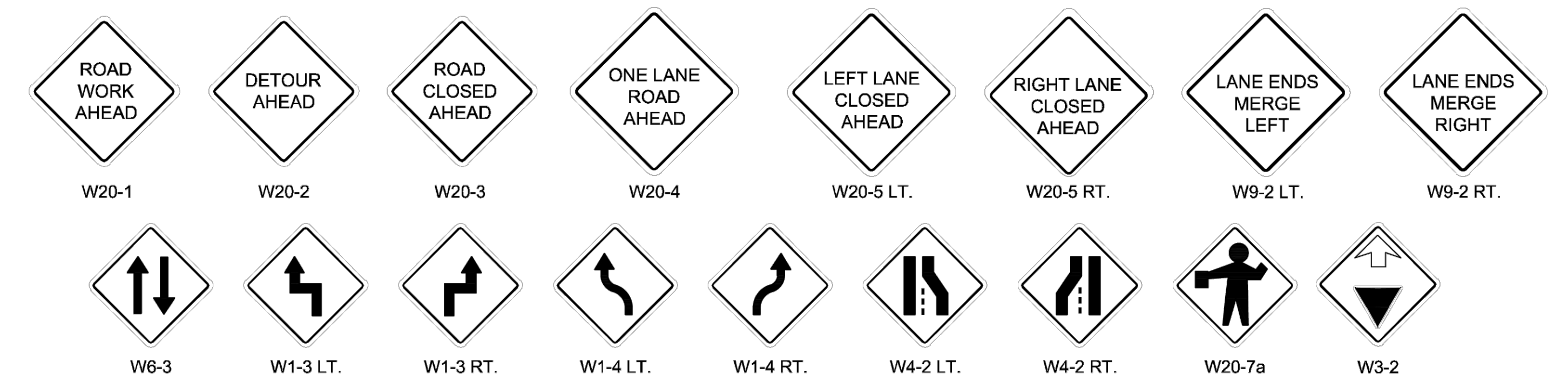
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Public Works  
ENGINEERING  
620 SE MADISON STREET - 2nd FLR. • TOPEKA, KS 66607  
Phone: (785) 368-3842 • Fax: (785) 368-3881

**TRAFFIC CONTROL**

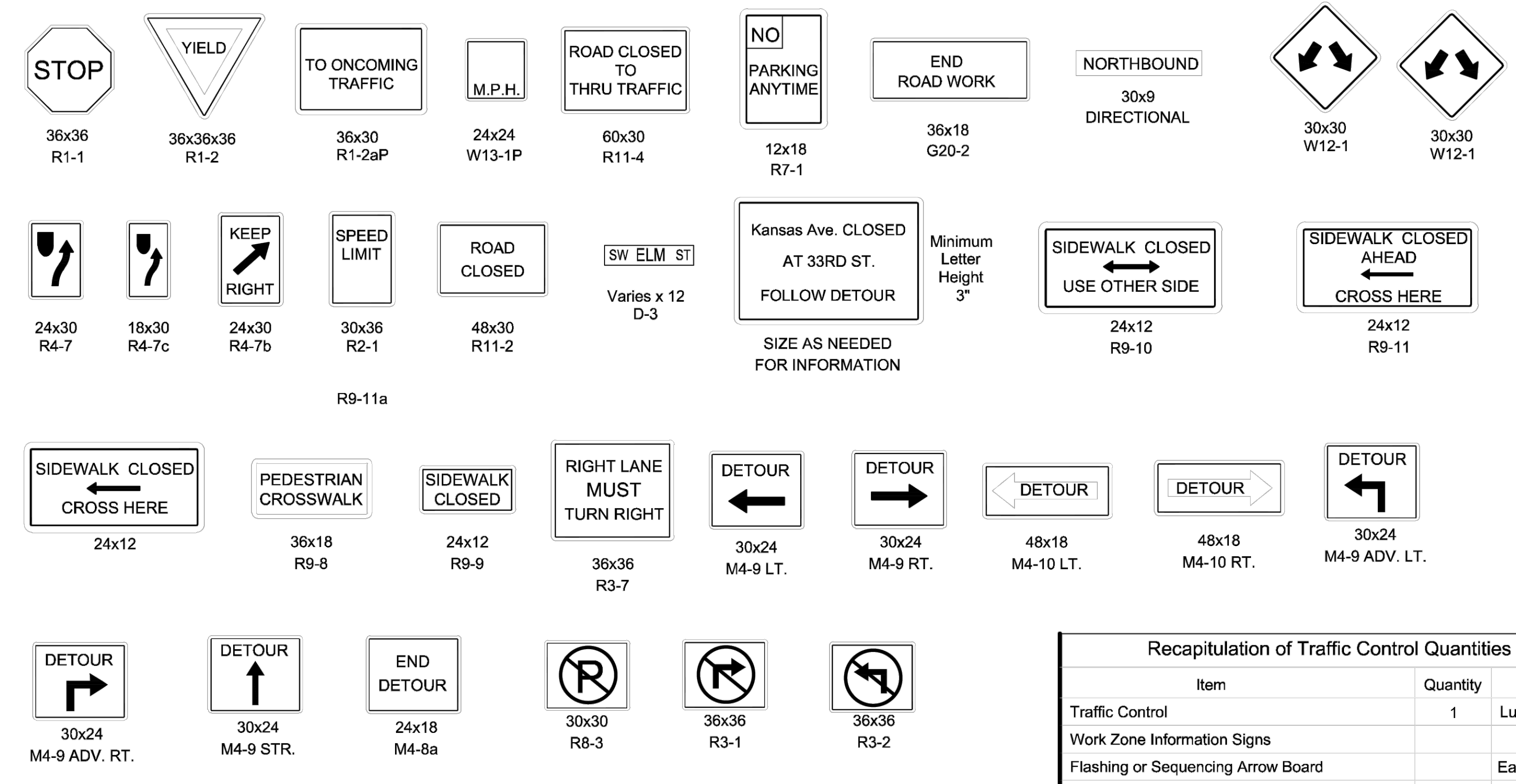
DATE: 3/17/2026  
PAGE: 33 OF 34  
DRAWING: DT-119  
841098.05,  
PROJ. 501125.03



- 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.



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



**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**

| 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

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

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

TOPEKA Public Works ENGINEERING  
620 SE MADISON STREET - 2nd FLR. • TOPEKA, KS 66607  
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**STANDARD DETAILS**  
DT - 121A

**TRAFFIC CONTROL DEVICES AND RECAP OF QUANTITIES**

DATE: 3/17/2026  
PAGE: 34 OF 34  
PROJECT: 841098.05  
501125.03