

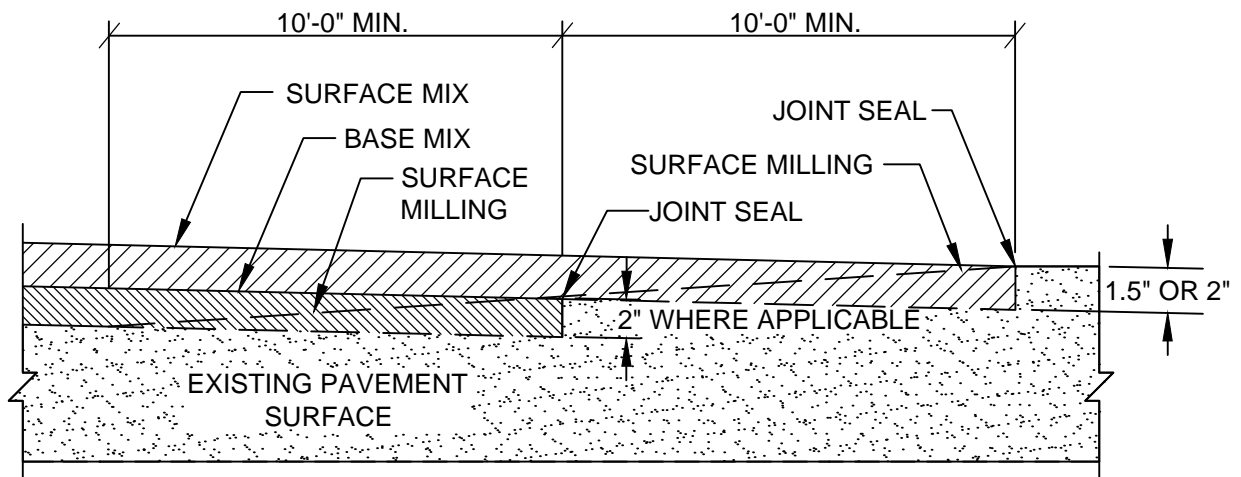
**Attachment No. 2**

**STANDARD PLATES**

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NOT TO SCALE



**DIVISION OF PUBLIC WORKS**  
**WASHINGTON COUNTY, MARYLAND**

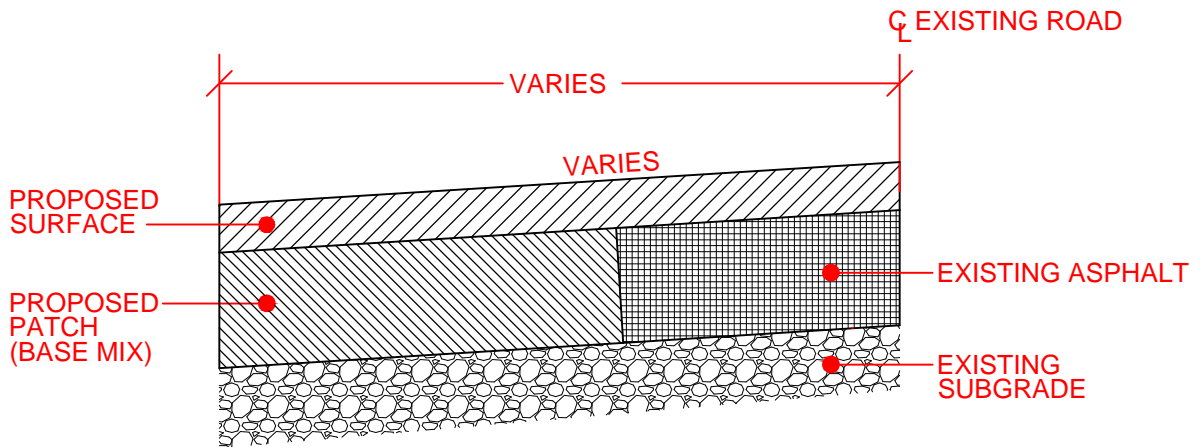
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**ENGINEERING & CONSTRUCTION**  
 Washington County Administrative Annex Building  
 80 West Baltimore Street, Hagerstown, MD 21740  
 Phone: (240) 313-2400 Fax: (240) 313-2401

REVISIONS

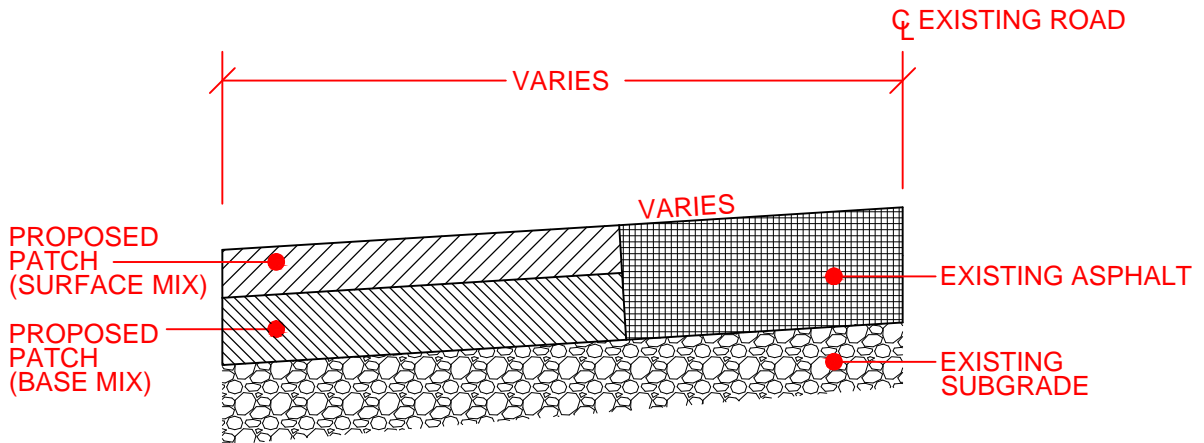
**ROADWAY TIE-IN  
 DETAIL**

**STD. PLATE NO. 503**



**FULL DEPTH PATCH (FDP) w/ BASE MIX**  
N.T.S.

FDP WITH BASE MIX SHALL CONSIST OF THE REMOVAL OF SPECIFIED AREAS OF THE FULL THICKNESS OF THE EXISTING ASPHALT PAVEMENT SECTION, TO THE TOP OF THE UNDERLYING AGGREGATE BASE MATERIAL, AND REPLACEMENT WITH HMA BASE MIX TO MATCH EXISTING HMA SURFACE. HMA OVERLAY OR CHIP SEAL SHALL FOLLOW THIS TREATMENT.



**FULL DEPTH PATCH (FDP) w/ SURFACE MIX & BASE MIX**  
N.T.S.

FDP WITH BASE AND SURFACE MIX SHALL CONSIST OF THE REMOVAL OF SPECIFIED AREAS OF THE FULL THICKNESS OF THE EXISTING ASPHALT PAVEMENT SECTION, TO THE TOP OF THE UNDERLYING AGGREGATE BASE MATERIAL, AND REPLACEMENT WITH HMA BASE MIX UP TO 1.5 IN. OF THE EXISTING PAVEMENT SURFACE FOLLOWED BY SURFACE MIX TO MATCH EXISTING HMA SURFACE. THIS WILL SERVE AS FINAL ROAD SURFACE.

NOT TO SCALE

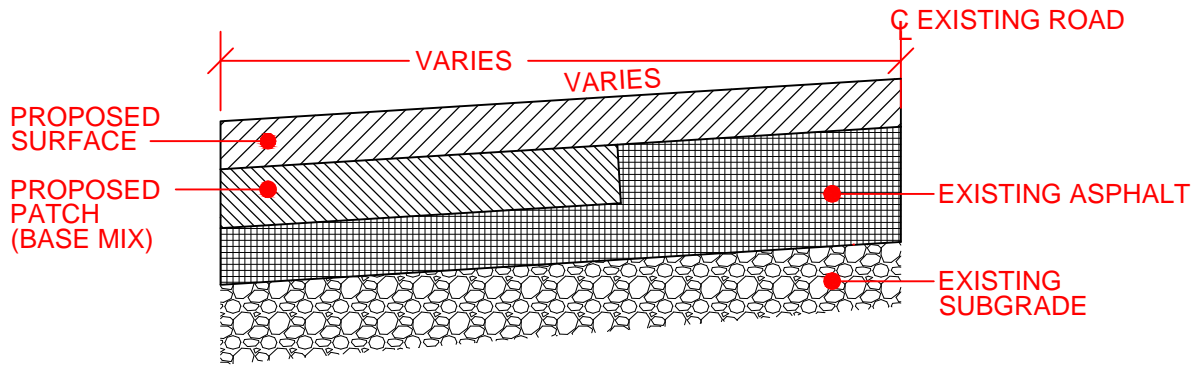


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**FULL DEPTH PATCH**  
**DETAIL**

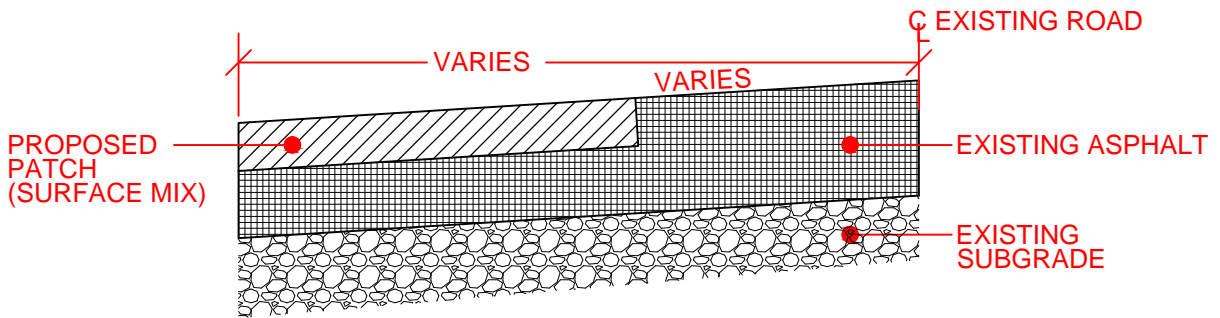
**STD. PLATE NO. 504**



**PARTIAL DEPTH PATCH (PDP) w/ BASE MIX**

N.T.S.

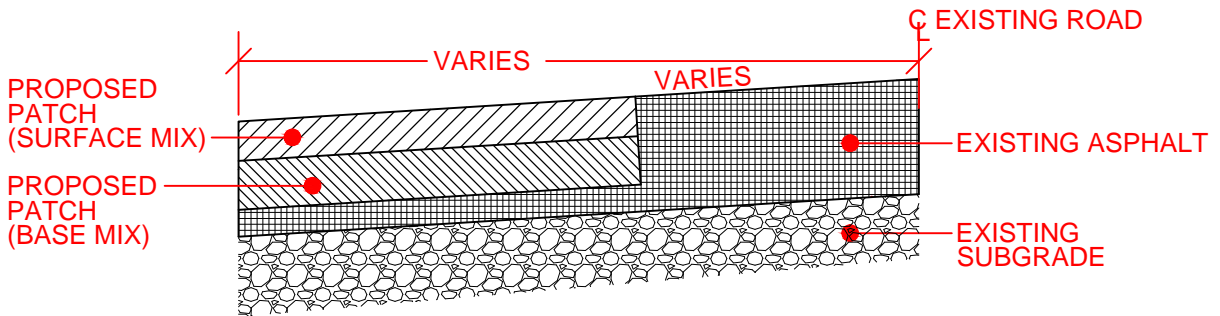
PDP WITH BASE MIX SHALL CONSIST OF THE REMOVAL OF A PORTION OF THE UNSOUND PAVEMENT IN SPECIFIED AREAS AND AND REPLACEMENT WITH HMA BASE MIX TO MATCH THE EXISTING HMA SURFACE TO REMAIN. HMA OVERLAY OR CHIP SEAL SHALL FOLLOW THIS TREATMENT.



**PARTIAL DEPTH PATCH (PDP) w/ SURFACE MIX**

N.T.S.

PDP WITH SURFACE MIX SHALL CONSIST OF THE REMOVAL OF A PORTION OF THE UNSOUND PAVEMENT IN SPECIFIED AREAS AND REPLACEMENT WITH HMA SURFACE MIX TO MATCH EXISTING HMA SURFACE TO REMAIN. THIS WILL SERVE AS FINAL ROAD SURFACE



**PARTIAL DEPTH PATCH (PDP) w/ SURFACE MIX & BASE MIX**

N.T.S.

PDP WITH BASE AND SURFACE MIX SHALL CONSIST OF THE REMOVAL OF A PORTION OF THE UNSOUND PAVEMENT IN SPECIFIED AREAS, AND REPLACEMENT WITH HMA BASE MIX UP TO 1.5 IN. OF THE EXISTING PAVEMENT SURFACE FOLLOWED BY SURFACE MIX TO MATCH EXISTING HMA SURFACE. THIS WILL SERVE AS FINAL ROAD SURFACE.

NOT TO SCALE



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**PARTIAL DEPTH PATCH  
 DETAIL**

**STD. PLATE NO. 505**

## TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION

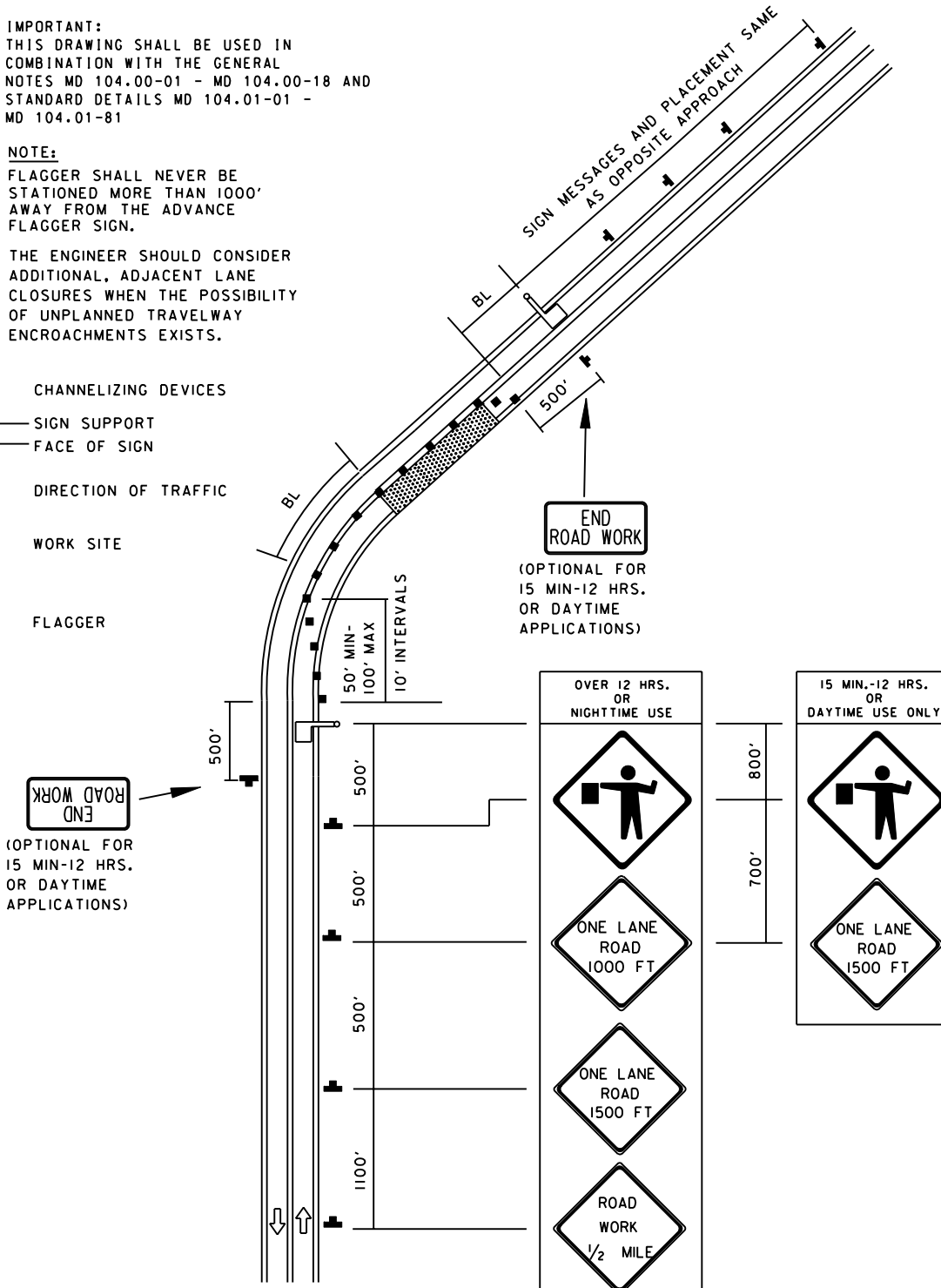
**IMPORTANT:**  
 THIS DRAWING SHALL BE USED IN COMBINATION WITH THE GENERAL NOTES MD 104.00-01 - MD 104.00-18 AND STANDARD DETAILS MD 104.01-01 - MD 104.01-81

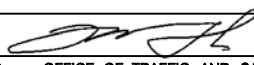
**NOTE:**  
 FLAGGER SHALL NEVER BE STATIONED MORE THAN 1000' AWAY FROM THE ADVANCE FLAGGER SIGN.

THE ENGINEER SHOULD CONSIDER ADDITIONAL, ADJACENT LANE CLOSURES WHEN THE POSSIBILITY OF UNPLANNED TRAVELWAY ENCROACHMENTS EXISTS.

**KEY:**

- ■ CHANNELIZING DEVICES
- ▲ SIGN SUPPORT
- ▲ FACE OF SIGN
- ↑ DIRECTION OF TRAFFIC
- ▨ WORK SITE
- ⌋ FLAGGER



SPECIFICATION <b>104</b>	CATEGORY CODE ITEMS
APPROVED	 DIRECTOR - OFFICE OF TRAFFIC AND SAFETY
<b>SHA</b> State Highway Administration	APPROVAL • SHA REVISIONS
	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL <b>8-20-03</b> APPROVAL <b>9-23-03</b>
	REVISED <b>8-11-10</b> REVISED <b>7-29-10</b>
REVISED	REVISED
REVISED	REVISED

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**FLAGGING OPERATION/2-LANE, 2-WAY**  
**EQL/LESS THAN 40 MPH**

**STANDARD NO. MD 104.02-10**

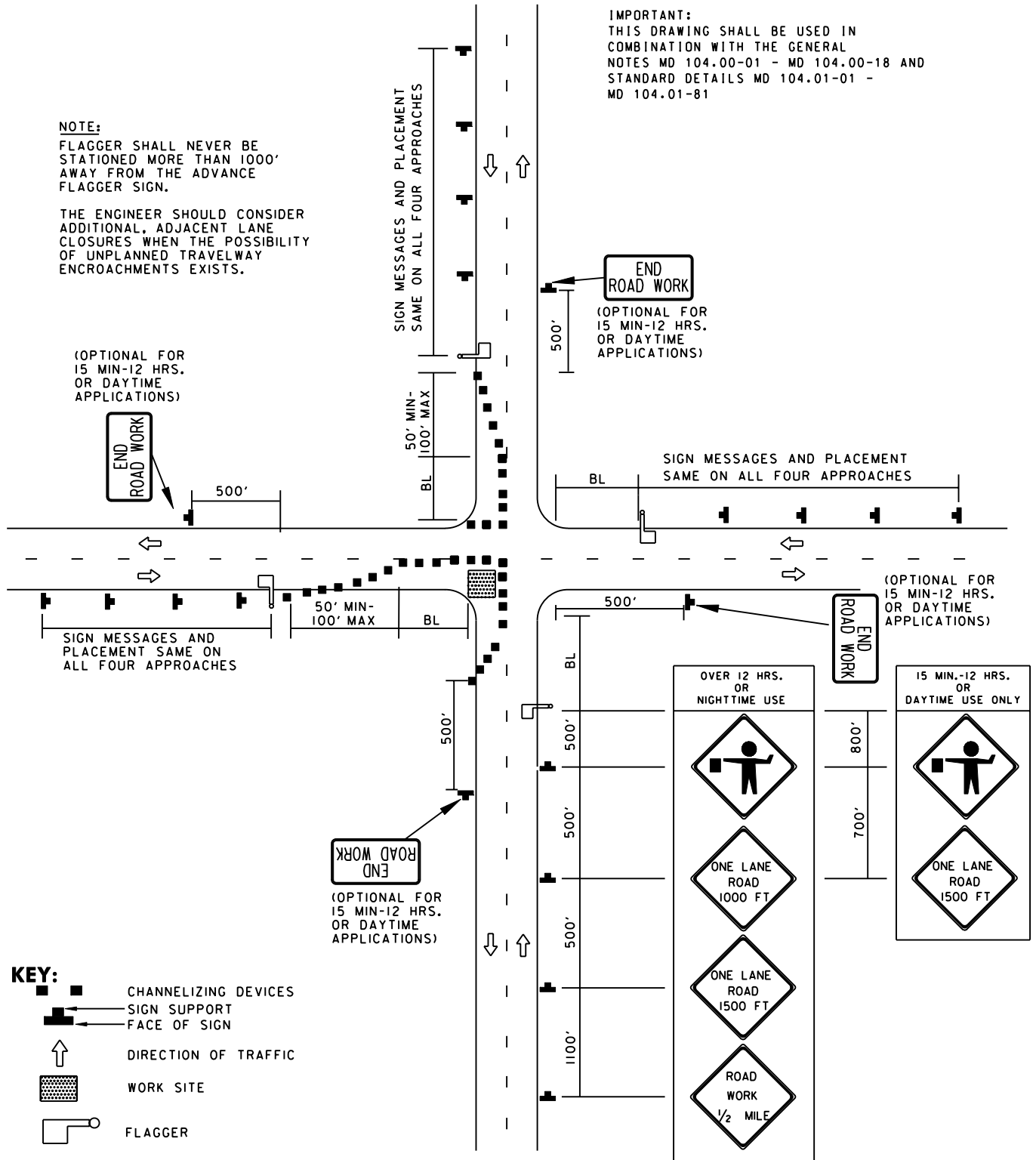
## TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION

**NOTE:**

FLAGGER SHALL NEVER BE STATIONED MORE THAN 1000' AWAY FROM THE ADVANCE FLAGGER SIGN.

THE ENGINEER SHOULD CONSIDER ADDITIONAL, ADJACENT LANE CLOSURES WHEN THE POSSIBILITY OF UNPLANNED TRAVELWAY ENCROACHMENTS EXISTS.

**IMPORTANT:**  
THIS DRAWING SHALL BE USED IN COMBINATION WITH THE GENERAL NOTES MD 104.00-01 - MD 104.00-18 AND STANDARD DETAILS MD 104.01-01 - MD 104.01-81



**KEY:**

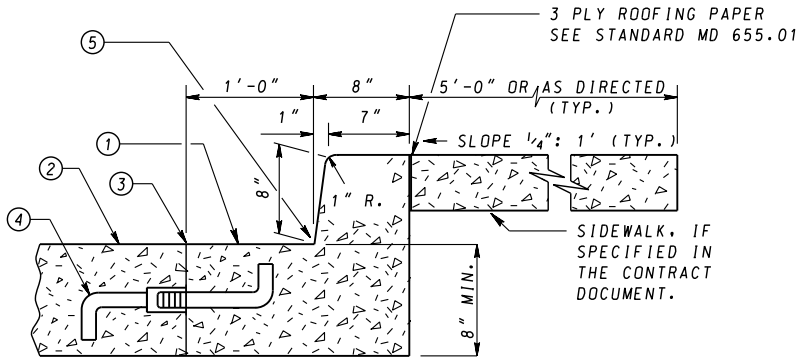
- CHANNELIZING DEVICES
- SIGN SUPPORT
- FACE OF SIGN
- DIRECTION OF TRAFFIC
- WORK SITE
- FLAGGER

SPECIFICATION <b>104</b>	CATEGORY CODE ITEMS
APPROVED	DIRECTOR - OFFICE OF TRAFFIC AND SAFETY
 State Highway Administration	APPROVAL • SHA REVISIONS
	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL <b>8-20-03</b> APPROVAL <b>9-23-03</b>
	REVISED <b>8-11-10</b> REVISED <b>7-29-10</b>
REVISED	REVISED
REVISED	REVISED

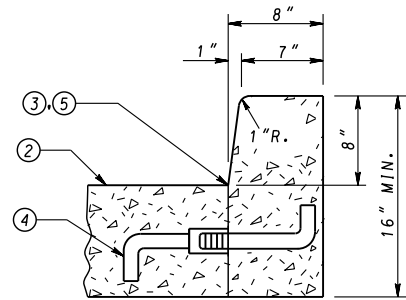
**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**INTERSECTION FLAGGING OPERATION**  
**2-LANE, 2-WAY EQL/LESS THAN 40 MPH**

**STANDARD NO.**

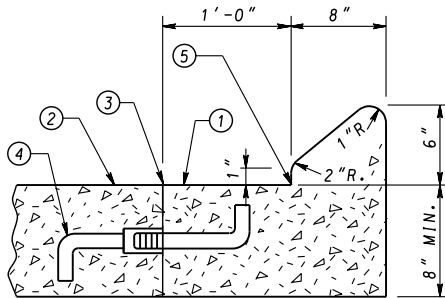
**MD 104.02-14**



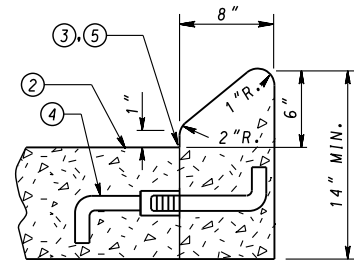
**TYPE 'A'**  
COMBINATION CURB & GUTTER  
DESIGN SPEED ≤ 45 MPH



**TYPE 'A'**  
CURB



**TYPE 'B'**  
COMBINATION CURB & GUTTER  
DESIGN SPEED 50 MPH



**TYPE 'B'**  
CURB

- ① SLOPE GUTTER PAN 1/2" PER FOOT TOWARD FLOW LINE ON ALL ROADWAYS INCLUDING SUPERELEVATED SECTIONS, EXCEPT INTERCHANGE RAMPS.
- ② ROADWAY PAVEMENT SLOPE.
- ③ ROADWAY PAVEMENT CONSTRUCTION JOINT.
- ④ PROVIDE LONGITUDINAL TIE DEVICE "J" BAR MODIFIED. REFER TO STANDARD NO MD 572.61.
- ⑤ FLOW LINE.

**NOTES**

- A. RIGID PAVEMENT ROADWAY ADJACENT TO COMBINATION CURB AND GUTTER AND CLOSED SECTION ROADWAY USING RIGID PAVEMENT WITH COMBINATION CURB AND GUTTER SHALL BE TIED AT THE ROADWAY PAVEMENT CONSTRUCTION JOINT. REFER TO STANDARD MD 572.61 FOR METHOD OF LONGITUDINAL TIE DEVICES. SPACING OF THE TIE BARS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. RIGID PAVEMENT AND CURB SHALL BE CONSTRUCTED AS INDICATED. TIE DEVICES ARE NOT REQUIRED WHEN USING FLEXIBLE PAVEMENT FOR ROADWAY.
- B. MAXIMUM JOINT SPACING FOR CONCRETE CURB AND COMBINATION CURB & GUTTER IS 10'. SEE SPECIFICATION FOR LOCATIONS AND DESCRIPTION OF TREATMENT FOR THE TYPES OF JOINTS USED.
- C. TYPE A OR B COMBINATION CURB AND GUTTER SHALL BE USED FOR ALL APPLICABLE NEW CONSTRUCTION AND IN THOSE AREAS WHERE THE COMBINATION CURB AND GUTTER IS TO BE REPLACED IN KIND.
- D. TYPE A OR B CURB SHALL BE USED FOR THE REPLACEMENT OF LIKE KIND OF CURB ONLY. NOT TO BE USED FOR NEW CONSTRUCTION EXCEPT WHERE INDICATED ON APPROPRIATE INLET STANDARDS.

SPECIFICATION <b>602</b>	CATEGORY CODE ITEMS
APPROVED	<i>[Signature]</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT
	APPROVAL • SHA REVISIONS
	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 2-10-04
	APPROVAL 3-31-04
REVISD 2-25-16	REVISD 2-23-16
REVISD	REVISD
REVISD	REVISD

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**STANDARD TYPES A & B CONCRETE CURB AND**  
**COMBINATION CONCRETE CURB & GUTTER**  
**STANDARD NO. MD 620.02**