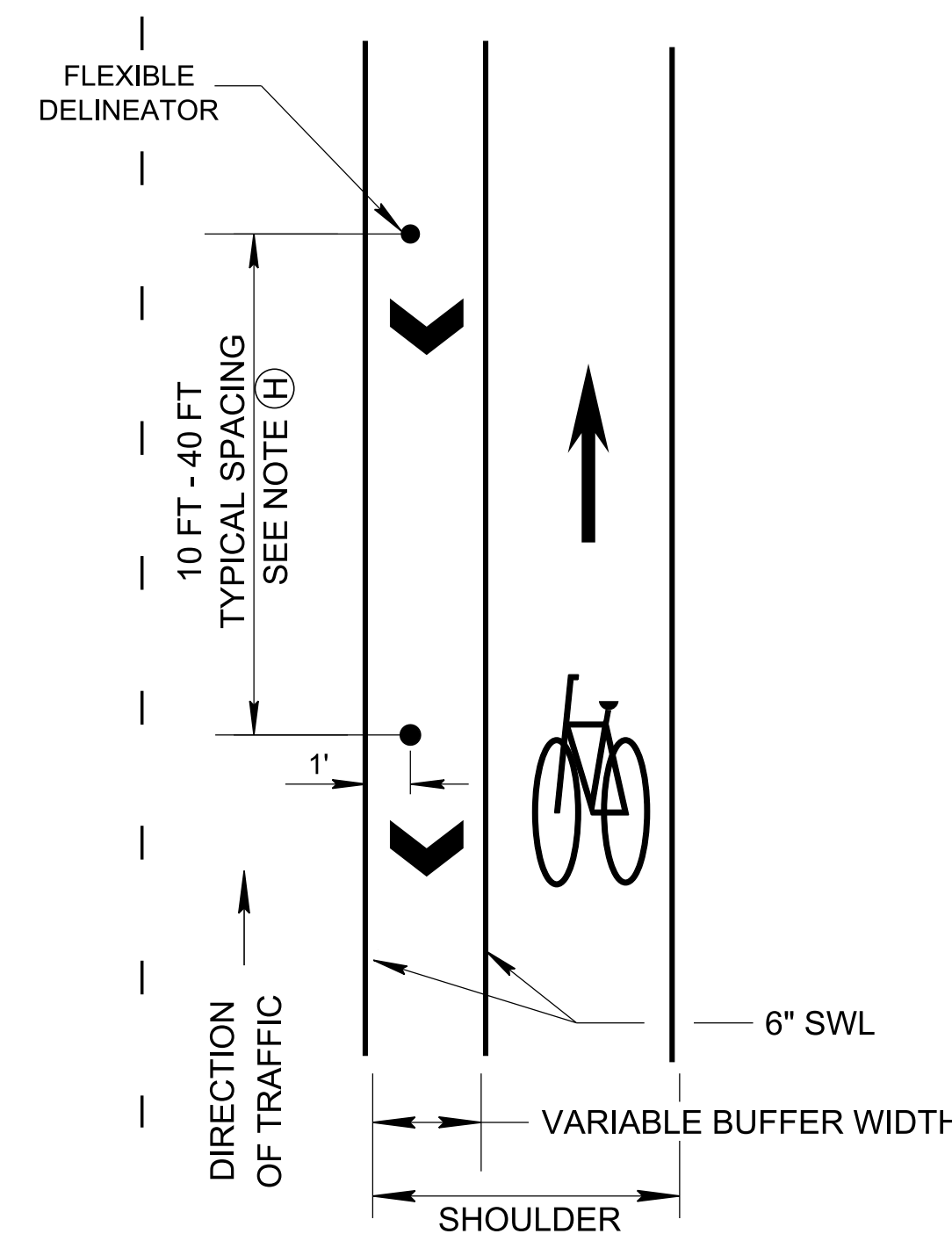
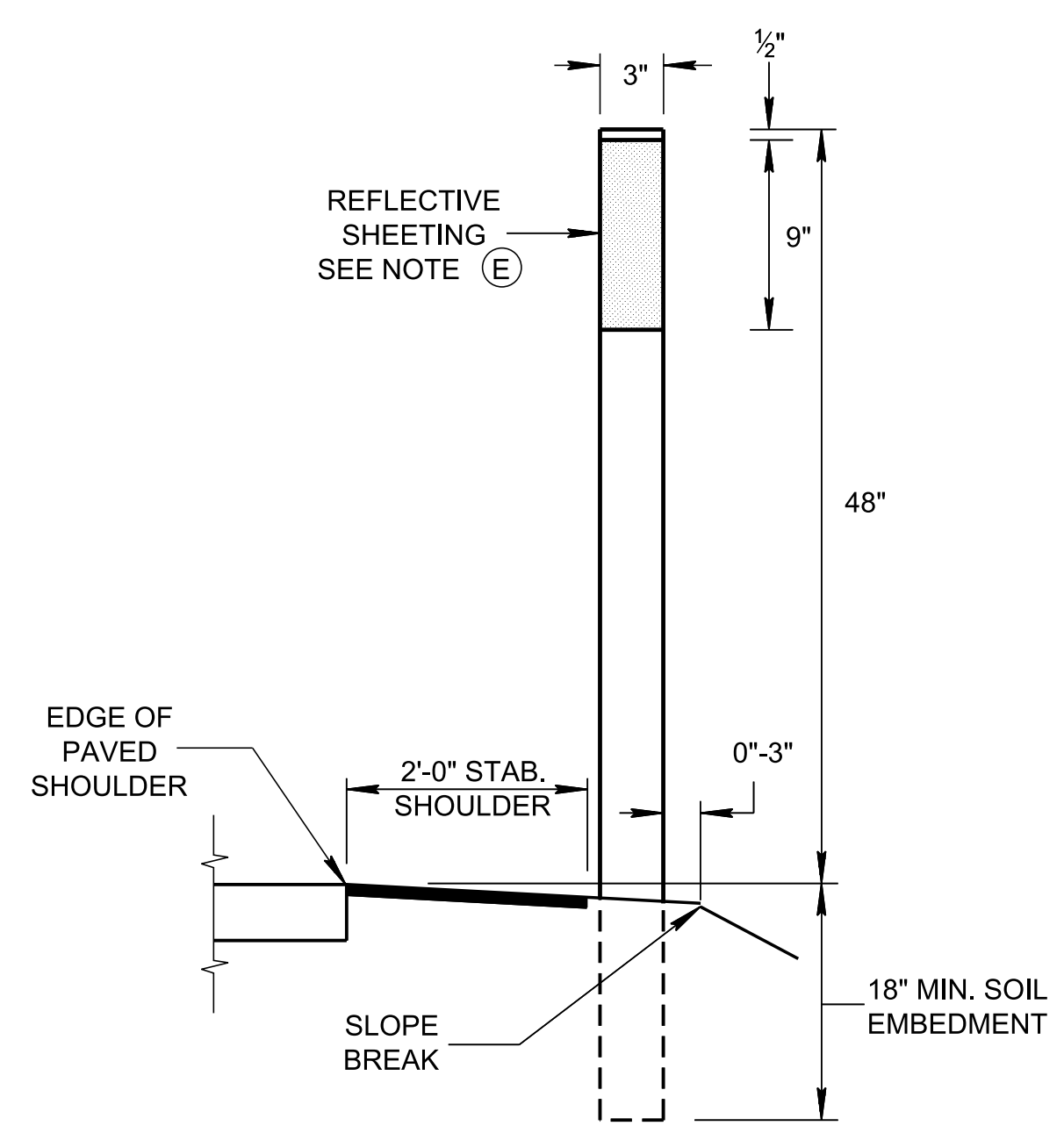


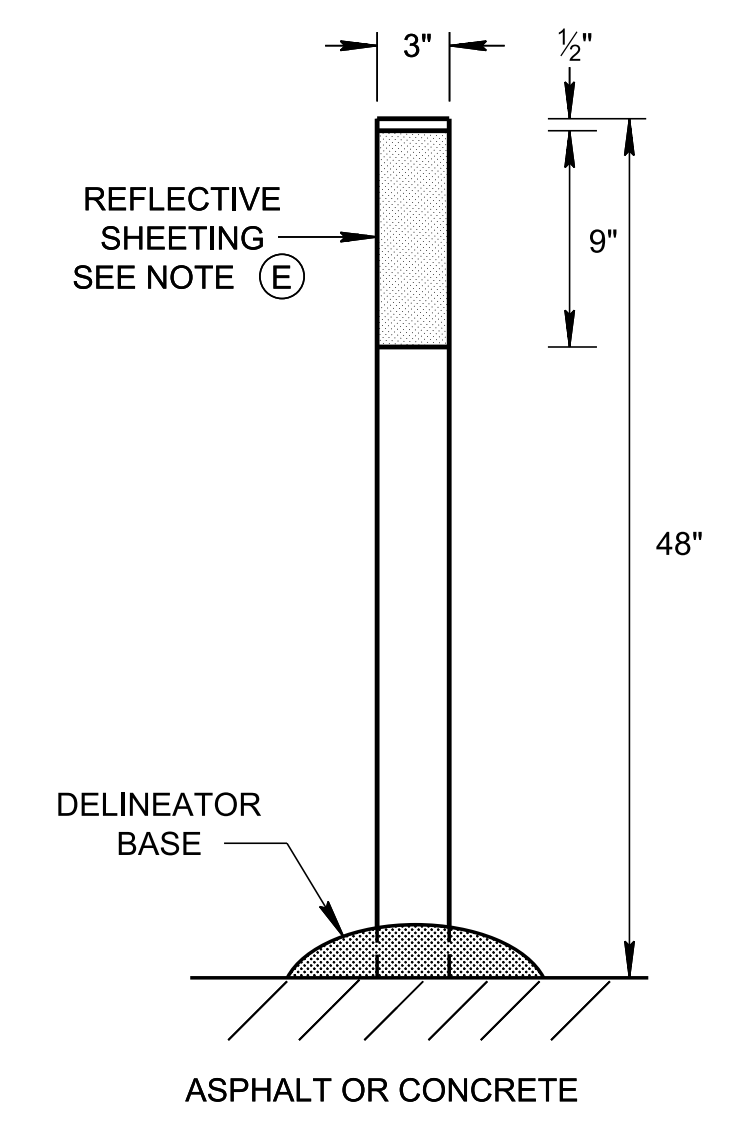
REV. 06-15-2021: ADDED FLEXIBLE DELINEATOR MOUNTING DETAILS AND NOTES FOR GUARDRAILS, CABLE BARRIER AND CONCRETE MEDIAN BARRIERS.  
 REV. 10-29-2021: ADDED DELINEATOR SPACING DETAIL, TABLE AND NOTES FOR CURVE. REVISED GENERAL NOTE (H). GUARDRAIL, CABLE BARRIER AND CONCRETE MEDIAN BARRIER DELINEATOR MOUNTING DETAILS AND NOTES WERE REMOVED.



**OPTIONAL DELINEATOR PLACEMENT FOR BICYCLE TO VEHICLE SEPARATION**

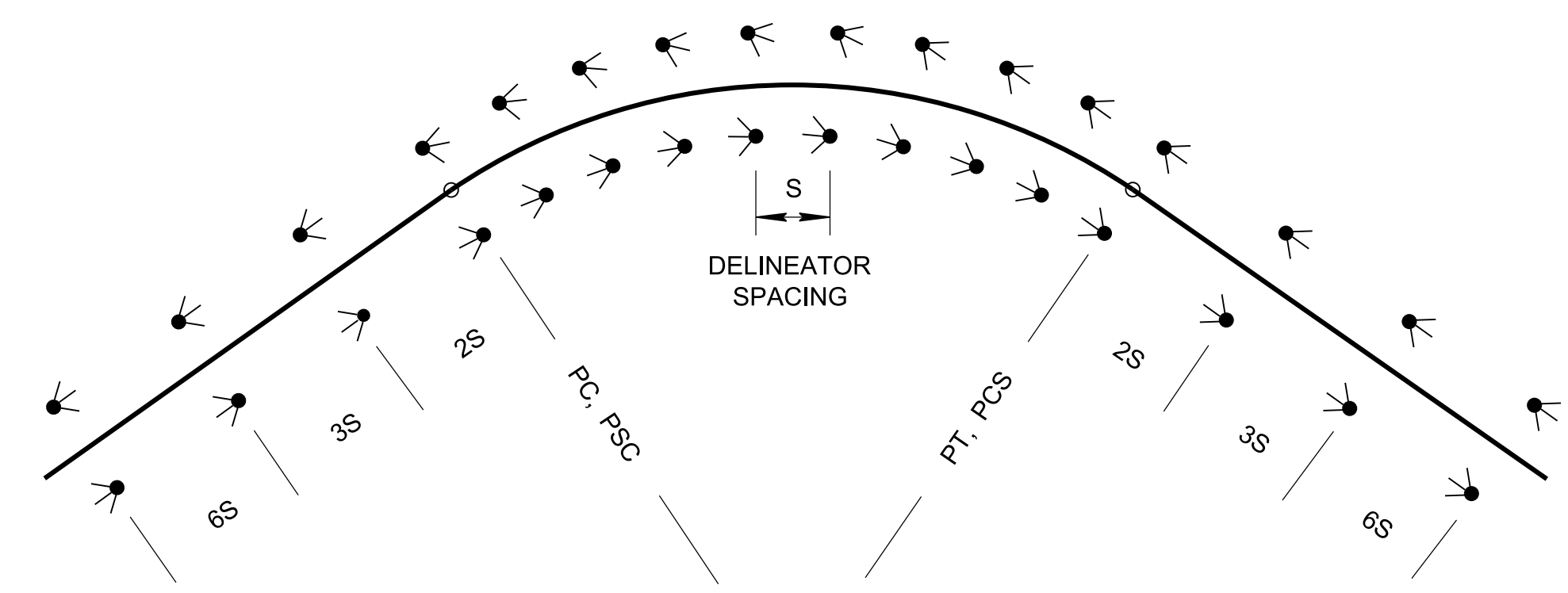


**GROUND MOUNTED FLEXIBLE TUBULAR DELINEATOR**



**SURFACE MOUNTED FLEXIBLE TUBULAR DELINEATOR**  
SEE NOTE (I)

TABLE			
DELINEATOR SPACING ON HORIZONTAL CURVE			
RADIUS (FT)	SPACING (FT)	RADIUS (FT)	SPACING (FT)
50	20	600	70
100	25	700	75
200	40	800	80
300	50	900	85
500	65	1000	90



**DELINEATOR SPACING DETAIL ON A HORIZONTAL CURVE**

NOTES: 1. SPACING FOR SPECIFIC RADII MAY BE INTERPOLATED FROM TABLE.  
 2. SPACING (S), SPACING IN ADVANCE OF AND BEYOND THE CURVE (2S, 3S AND 6S) SHOULD BE 20 FEET BUT SHOULD NOT EXCEED 300 FEET.  
 3. S REFERS TO THE DELINEATOR SPACING. SPACING FOR CURVES NOT SHOWN MAY BE COMPUTED FROM THE FORMULA  $S = 3\sqrt{R-50}$ .  
 4. THE DISTANCES FOR S SHOWN IN THE TABLE ABOVE WERE ROUNDED TO THE NEAREST 5 FEET.

**GENERAL NOTES**

- (A) THE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF AASHTO M268, TYPE B OR HIGHER RETROREFLECTION PERFORMANCE LEVEL.
- (B) THE REFLECTIVE SHEETING STRIP ON THE DELINEATORS SHALL BE MIN. 9 INCHES IN LENGTH AND SUFFICIENT WIDTH TO PROVIDE A MIN. 3 INCHES WIDE PROFILE FACING APPROACHING TRAFFIC. THE VARIATIONS IN REFLECTIVE SHEETING DIMENSION SHOULD NOT EXCEED  $\pm 10\%$ .
- (C) THE CONTRACTOR SHALL SELECT MATERIAL FROM THE DEPARTMENT'S QPL.
- (D) THE COLOR OF THE DELINEATOR POST SHALL BE WHITE UNLESS OTHERWISE NOTED ON THE PLANS.
- (E) THE COLOR OF THE REFLECTIVE SHEETING SHALL CONFORM TO THE COLOR OF EDGE LINES STIPULATED IN SUBSECTION 3B-6 (PAGE 3B-8 AND 3B-11) OF THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (F) PAYMENT FOR GROUND MOUNTED FLEXIBLE DELINEATORS WILL BE MADE AS FOLLOWS ITEM NO'S.:
 

713-02.14, FLEXIBLE DELINEATOR (WHITE),	PER EACH.
713-02.15, FLEXIBLE DELINEATOR (YELLOW),	PER EACH.
713-02.16, FLEXIBLE TYPE II, OBJECT MARKER,	PER EACH.
713-02.33, FLEXIBLE DELINEATOR (RED),	PER EACH.
- (G) PAYMENT FOR SURFACE MOUNTED FLEXIBLE DELINEATORS WILL BE MADE AS FOLLOWS ITEM NO.:
 

713-02.30, FLEXIBLE TUBULAR DELINEATOR,	PER EACH.
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- (H) **FLEXIBLE DELINEATOR SPACING:-**  
 FOR BICYCLE TO VEHICLE SEPARATION, THE FLEXIBLE DELINEATOR POST SHALL BE SPACED FROM 10 FEET TO 40 FEET OR DIRECTED BY THE REGIONAL TRAFFIC ENGINEER.  
  
 GROUND MOUNTED DELINEATOR SHALL BE SPACED 240 FEET APART ON TANGENT. SEE TABLE A FOR DELINEATOR SPACING ON A HORIZONTAL CURVE. REFER TO STANDARD DRAWING T-S-11 FOR ADDITIONAL INFORMATION.
- (I) SURFACE MOUNTED FLEXIBLE DELINEATORS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- (J) ONLY PRODUCTS LISTED ON THE DEPARTMENT'S QPL SHALL BE USED.