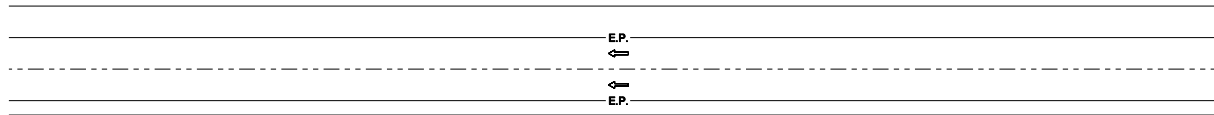


LEGEND

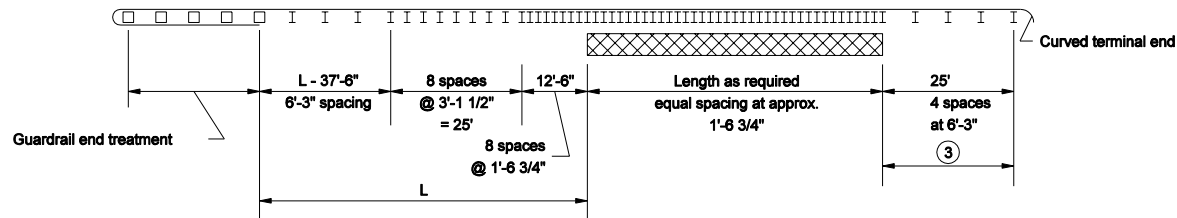
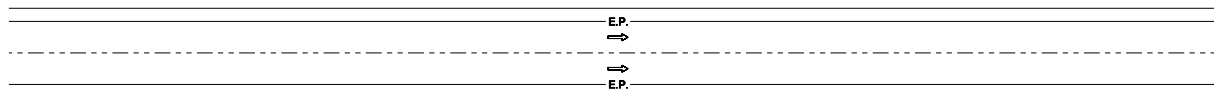
L = Length of need

⊗ Isolated obstruction

⊠ Extended obstruction



Median



**MULTI-LANE DIVIDED ROADWAY GUARDRAIL LAYOUT FOR
GUARDRAIL FACE TO OBSTRUCTION DISTANCE ≥ 2'-9" BUT < 3'-3"**

GENERAL NOTES

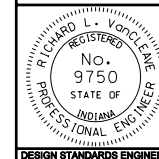
1. This configuration shall be used where W-beam guardrail at 1'-6 3/4" post spacing is specified on a divided lane roadway to shield an isolated or extended obstruction.
 2. Dimensions and details not shown on this drawing shall be as shown on the plans.
- ③ Rectangular plate washers shall be installed at each post along this section.

INDIANA DEPARTMENT OF TRANSPORTATION

**ROADSIDE OBSTRUCTION
PROTECTION GUARDRAIL**

MARCH 2005

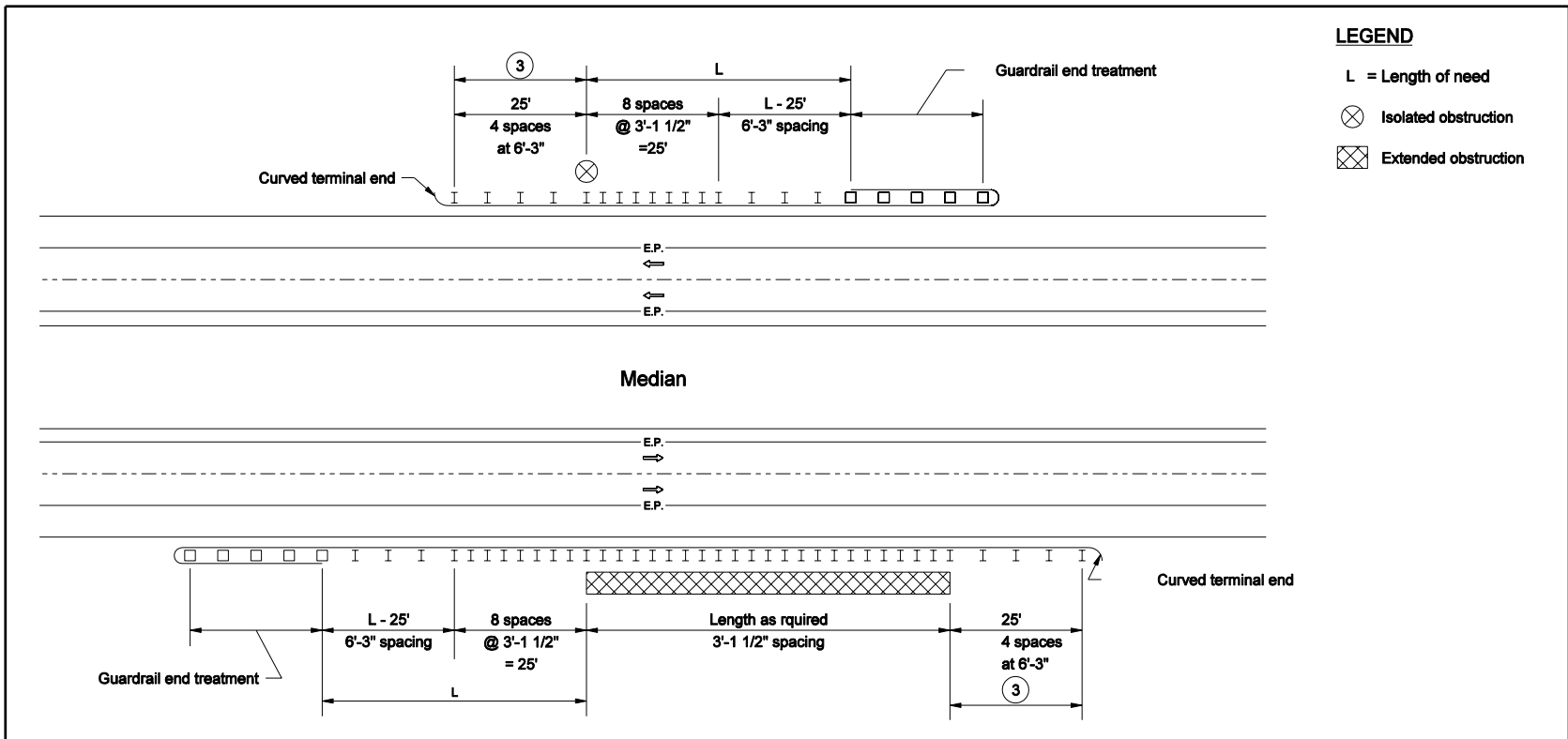
STANDARD DRAWING NO. E 601-RHPG-01



/s/ Richard L. VanCleave 3-01-05
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Smutzer 3-01-05
CHIEF HIGHWAY ENGINEER DATE


DESIGN STANDARDS ENGINEER

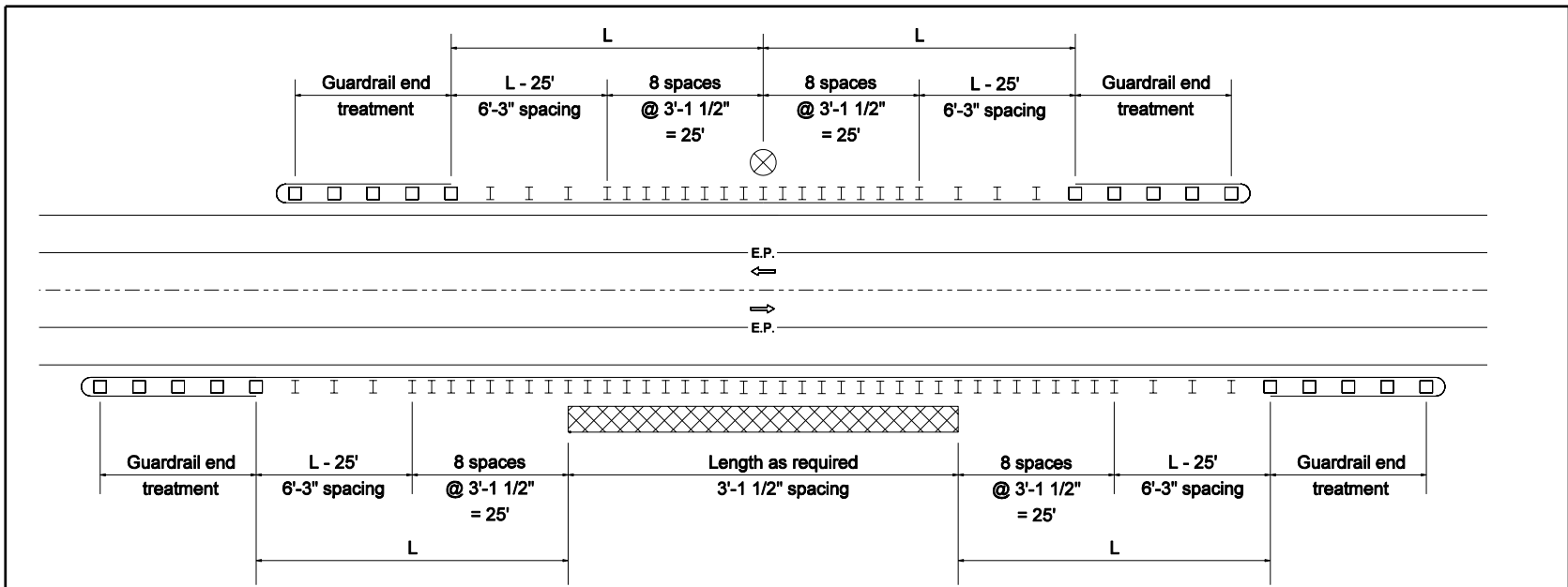


**MULTI-LANE DIVIDED ROADWAY GUARDRAIL LAYOUT FOR
GUARDRAIL FACE TO OBSTRUCTION DISTANCE ≥ 3'-3" BUT < 4'-3"**

GENERAL NOTES

1. This configuration shall be used where W-beam guardrail at 3'-1 1/2" post spacing is specified on a divided lane roadway to shield an isolated or extended obstruction.
2. Dimensions and details not shown on this drawing shall be as shown on the plans.
3. Rectangular plate washers shall be installed at each post along this section.

INDIANA DEPARTMENT OF TRANSPORTATION									
ROADSIDE OBSTRUCTION PROTECTION GUARDRAIL									
MARCH 2005									
STANDARD DRAWING NO. E 601-RHPG-02									
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small; padding: 2px;">/s/ Richard L. VanCleave</td> <td style="font-size: small; padding: 2px;">3-01-05</td> </tr> <tr> <td style="font-size: x-small; padding: 2px;">DESIGN STANDARDS ENGINEER</td> <td style="font-size: x-small; padding: 2px;">DATE</td> </tr> <tr> <td style="font-size: small; padding: 2px;">/s/ Richard K. Smutzer</td> <td style="font-size: small; padding: 2px;">3-01-05</td> </tr> <tr> <td style="font-size: x-small; padding: 2px;">CHIEF HIGHWAY ENGINEER</td> <td style="font-size: x-small; padding: 2px;">DATE</td> </tr> </table>	/s/ Richard L. VanCleave	3-01-05	DESIGN STANDARDS ENGINEER	DATE	/s/ Richard K. Smutzer	3-01-05	CHIEF HIGHWAY ENGINEER	DATE
/s/ Richard L. VanCleave	3-01-05								
DESIGN STANDARDS ENGINEER	DATE								
/s/ Richard K. Smutzer	3-01-05								
CHIEF HIGHWAY ENGINEER	DATE								
DESIGN STANDARDS ENGINEER									



**TWO-LANE TWO-WAY ROADWAY GUARDRAIL LAYOUT FOR
GUARDRAIL FACE TO OBSTRUCTION DISTANCE \geq 3'-3" BUT $<$ 4'-3"**

LEGEND

- L = Length of need
- Isolated obstruction
- Extended obstruction

GENERAL NOTES

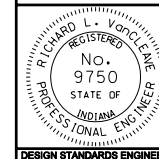
1. This configuration shall be used where W-beam guardrail at 3'-1 1/2" post spacing is specified on a two-lane two-way roadway to shield an isolated or extended obstruction.
2. Dimensions and details not shown on this drawing shall be as shown on the plans.

INDIANA DEPARTMENT OF TRANSPORTATION

**ROADSIDE OBSTRUCTION
PROTECTION GUARDRAIL**

MARCH 2005

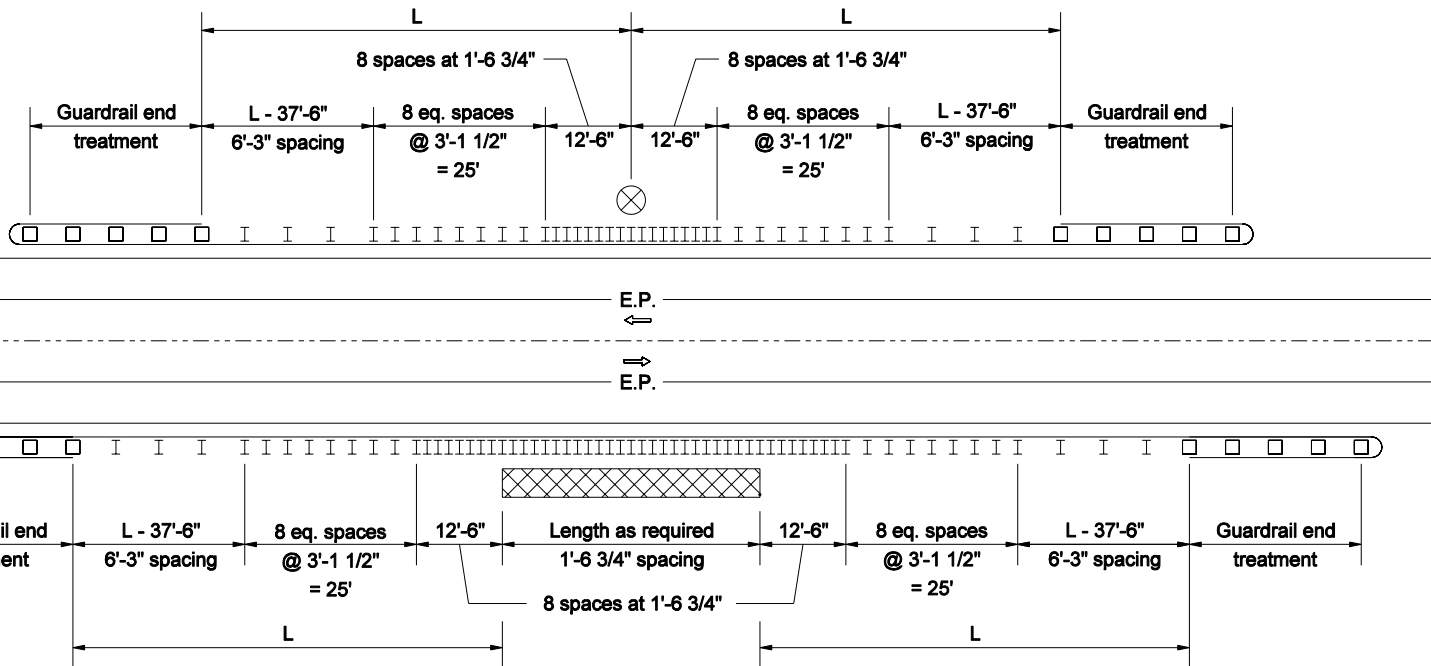
STANDARD DRAWING NO. E 601-RHPG-03



/s/ Richard L. VanCleave 3-01-05
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Smutzer 3-01-05
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER





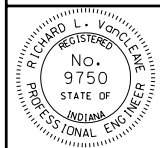
**TWO-LANE TWO-WAY ROADWAY GUARDRAIL LAYOUT FOR
GUARDRAIL FACE TO OBSTRUCTION DISTANCE \geq 2'-9" BUT $<$ 3'-3"**

GENERAL NOTES

1. This configuration shall be used where W-beam guardrail at 1'-6 3/4" or 3'-1 1/2" post spacing is specified on a two-lane two-way roadway to shield an isolated or extended obstruction.
2. Dimensions and details not shown on this sheet shall be as shown on the plans.

LEGEND

- L = Length of need
-  Isolated obstruction
-  Extended obstruction

INDIANA DEPARTMENT OF TRANSPORTATION	
ROADSIDE OBSTRUCTION PROTECTION GUARDRAIL	
MARCH 2005	
STANDARD DRAWING NO. E 601-RHPG-04	
	/s/ Richard L. VanCleave 3-01-05 DESIGN STANDARDS ENGINEER DATE
	/s/ Richard K. Smutzer 3-01-05 CHIEF HIGHWAY ENGINEER DATE
DESIGN STANDARDS ENGINEER	