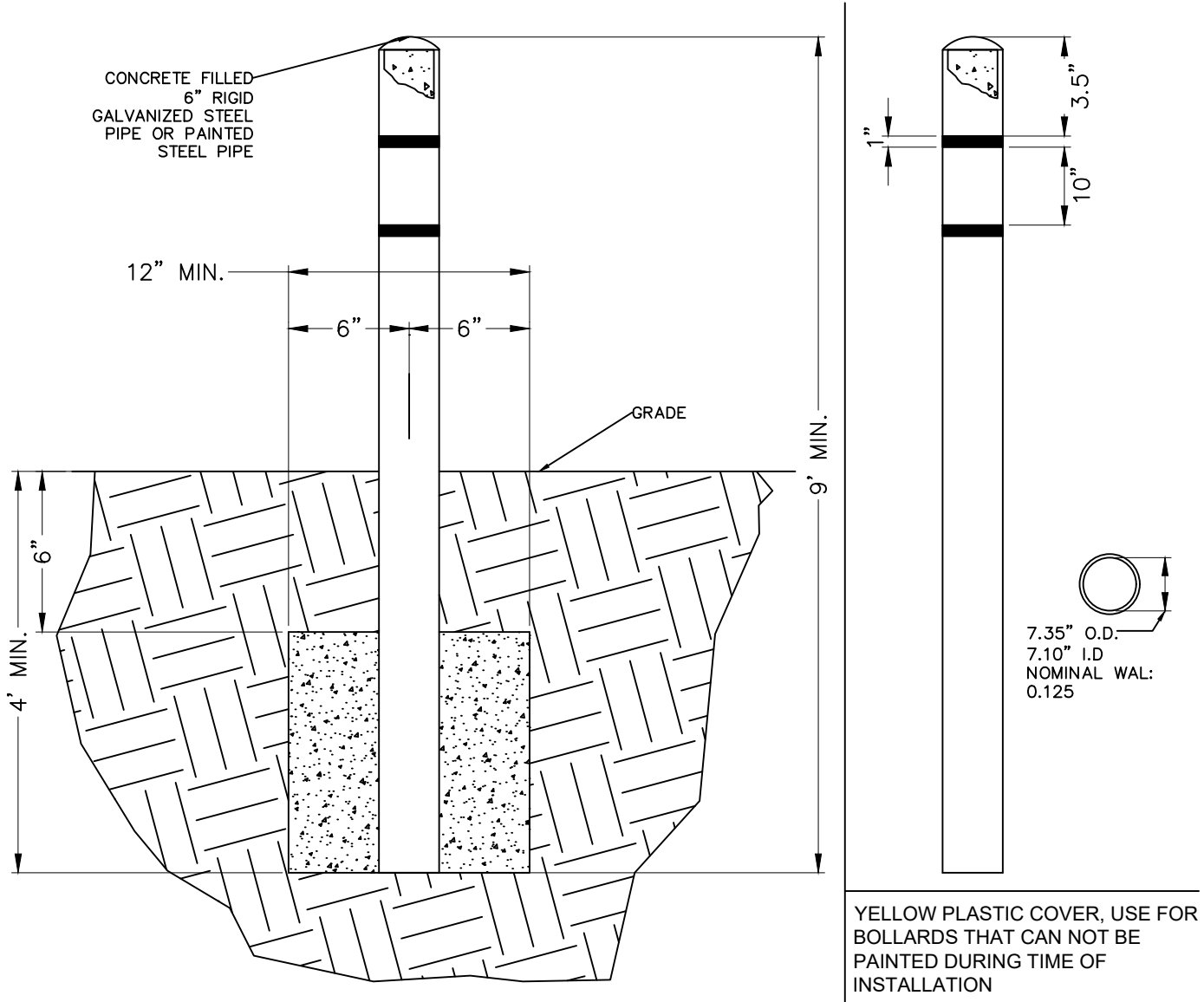



TYPICAL BOLLARD DETAIL



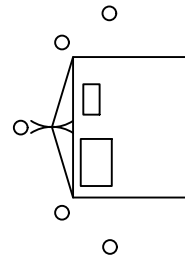
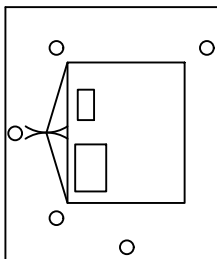
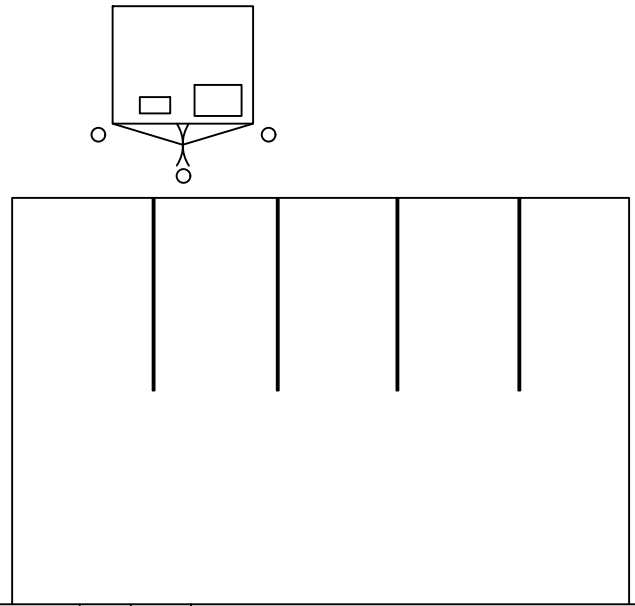
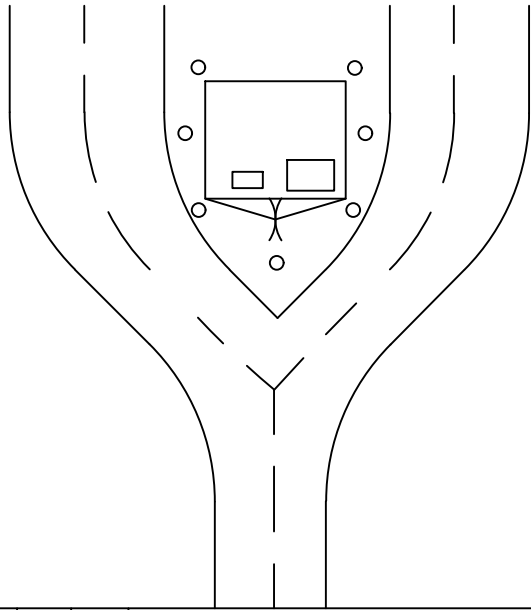
NOTES:

BOLLARDS SHALL CONSIST OF 6" MINIMUM DIAMETER HOT DIP GALVANIZED OR PAINTED STEEL PIPES FILLED WITH CONCRETE. USE PLASTIC BOLLARD COVERS IF BOLLARD CAN NOT BE PAINTED AT THE TIME OF INSTALLATION. BOLLARDS ARE TO BE 5 FEET ABOVE THE GROUND AND A MINIMUM OF 4 FEET BELOW THE GROUND. CONCRETE IS TO BE CROWNED ON TOP OF ALL BOLLARDS. BOLLARDS ARE TO BE SET IN A 12" MINIMUM CONCRETE FOOTING FROM THE BASE WITHIN 6" FROM FINISHED GRADE. SEE DRAWING DETAILS ABOVE.

TAKE INTO ACCOUNT THE PROXIMITY TO TRAFFIC AND TO BUILDINGS AS WELL AS OTHER BARRIERS TO TRAFFIC. S. DELIVERY OF EQUIPMENT SHALL NOT TAKE PLACE UNTIL REQUIRED BOLLARDS HAVE BEEN INSTALLED. THE LOCATION OF BOLLARDS SHALL NOT IMPEDE A DOOR OPENING OF 100°. BOLLARDS SHALL BE INSTALLED WITH DUE CARE TO AVOID INTERFERING WITH GROUND GRID AND CONDUITS.

| | | | | | | | | | |
|----------|-------------|----------------------|-----|-----|--|---|-----------------------------------|--------------|-------|
| | | | | | |  | VERMONT ELECTRIC COOPERATIVE INC. | | |
| | | | | | | | JOHNSON, VT | | |
| | | | | | | | TYPICAL BOLLARD DETAIL | | |
| DES: RJP | DRN: RJP | | | | | | DATE: 07/10/2017 | DWG. NO. 710 | REV 1 |
| CKD: | SCALE: NONE | | | | | | | | |
| REV | DATE | REVISION DESCRIPTION | DRN | CKD | | | | | |

VAULT GUARDING WITH BOLLARDS



| REV | DATE | REVISION DESCRIPTION | DRN | CKD |
|-----|------|----------------------|-----|-----|
| | | | | |
| | | | | |
| | | | | |
| | | | | |



VERMONT ELECTRIC COOPERATIVE INC.

JOHNSON, VT

VAULT GUARDING WITH BOLLARDS

DES: RJP DRN: RJP
 CKD: SCALE: NONE
 DATE: 07/10/2017

DWG. NO. 711

REV 1