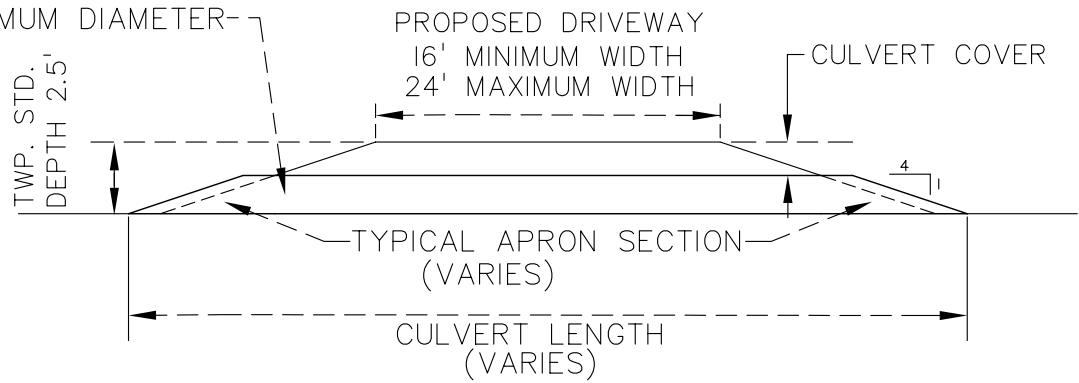
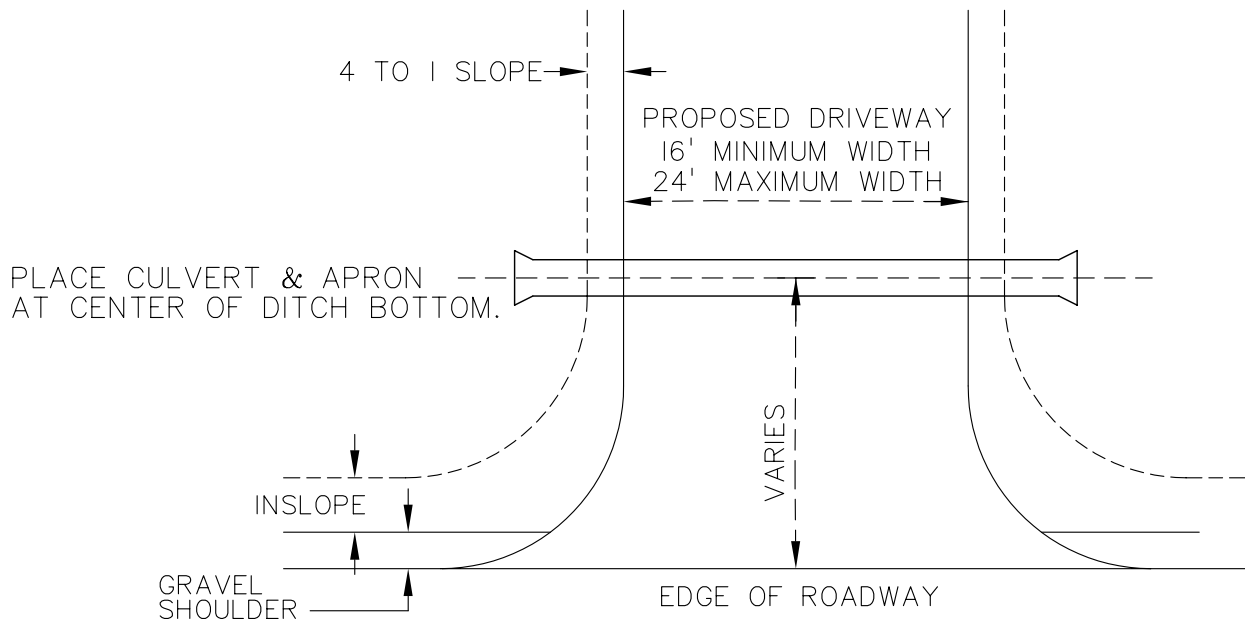


16 GA. CMP, DUAL WALLED
 HDPE OR RCP CULVERT
 15" MINIMUM DIAMETER-



CULVERT LEN. (ft.) = DRIVEWAY WID. (ft.) + 2[((CULVERT DIA. in. + CULVERT COVER in.) / 12) * 4]
 EXAMPLE: 16 ft DRIVEWAY WIDTH, 15" DIA. CULVERT, AND 12 in. COVER
 CULVERT LEN. (ft.) = 16' + 2[((15" + 12") / 12) * 4] = 34 ft.



NOTES:
 CULVERT APRON LIP IS TO BE PLACED AT DITCH BOTTOM.
 IN THE OCCURRENCE THAT DITCH IS DEEPER THAN
 THE MINIMUM, THE CULVERT LENGTH SHALL
 BE EXTENDED TO MAINTAIN 4 TO 1 SLOPE.

LIVONIA TOWNSHIP
 STANDARD DETAILS

DRIVEWAY CULVERT DETAIL
 (RESIDENTIAL)

Date: 12/17/04 Plate No: