



Pipe Diameter (in)	Maximum Drainage Area (acres)
12	2.75
15	4.50
18	6.75
21	9.50
24	13.00

NOTES:

1. REQUESTS FOR DEVIATIONS FROM THE DESIGN SPECIFICATIONS ABOVE MUST BE ACCOMPANIED BY HYDRAULIC CALCULATIONS DEMONSTRATING ADEQUATE SIZING TO CONVEY ANTICIPATED FLOW.
2. ALL CULVERTS SHALL BE LAID ON A UNIFORMLY GRADED SLOPE. NO HIGH OR LOW SPOTS WILL BE ALLOWED.
3. PIPE SHALL EXTEND A MINIMUM OF ONE FOOT BEYOND THE TOE OF FILL.
4. A MINIMUM OF ONE FOOT OF COVER SHALL BE PROVIDED OVER ALL CULVERTS.
5. SPECIFICATIONS FOR MATERIALS USED SHALL CONFORM TO CURRENT ODOT/APWA STANDARD SPECIFICATIONS AND CITY OF LOWELL STANDARD SPECIFICATIONS.
6. PIPE SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
7. PROVIDE 5'X5'X12" DEEP CLASS 10 RIP-RAP AT PIPE OUTLET WHEN THE PIPE SLOPE IS GREATER THAN 5%.

CITY OF LOWELL
 107 E. 3RD STREET
 LOWELL, OR 97452

DRAWN BY: ADM
 DATE: 04/07/17

DRIVEWAY DRAINAGE
 CULVERT