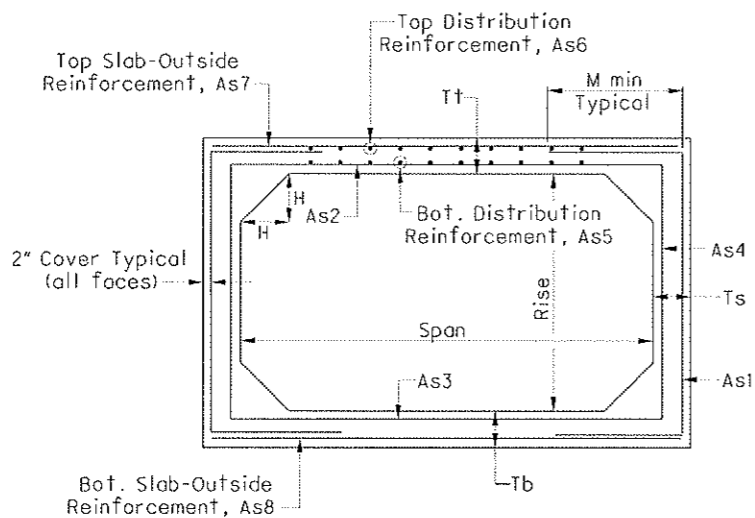


**CULVERT & WINGWALL LAYOUT**

Ohio Department of Transportation  
 Item 603 - 16' x 5' Conduit Type A, 706.05, As Per Plan  
 All Requirements of 706.05 Shall Be Met Except As Detailed Herein:

Loading: HL93  
 Depth of Cover < = 2'  
 FWS = 60 psf

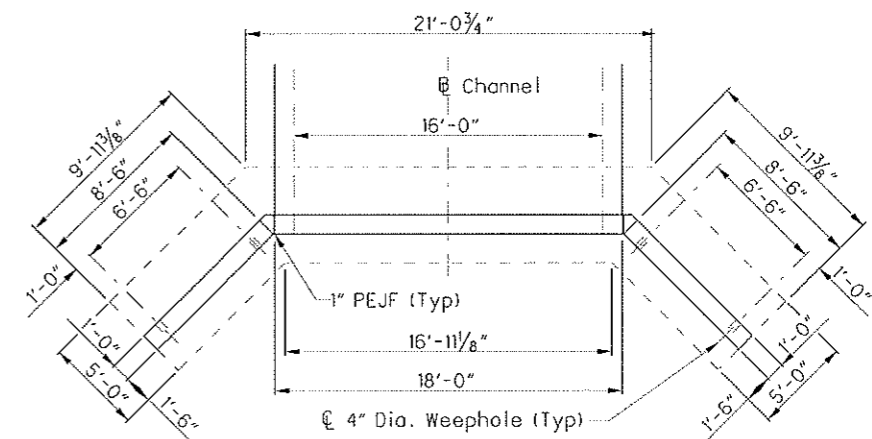


**CULVERT REINFORCING DETAIL**

Bridge No. HOC-328-0271  
 Structure File No. 3703584

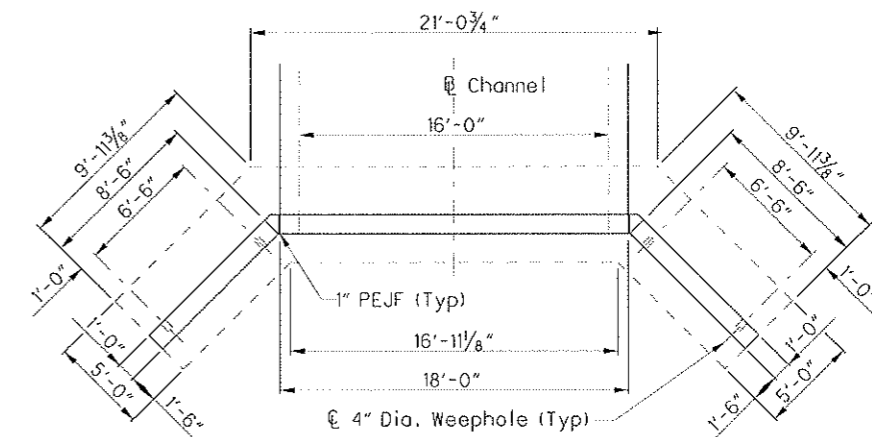
Span	16'
Rise	5'
Tt	13" NOTE
Tb	12"
Ts	12"
H	12"
As1	0.9
As2	0.9
As3	0.9
As4	0.29
As5	0.31
As6	0.31
As7	0.31
As8	0.31
M min	78"

Maximum spacing of the circumferential reinforcing shall be 4".  
 Minimum yield strength for reinforcing shall be 60 ksi.  
 Minimum concrete compressive strength shall be 5000 psi.  
 As min = 0.002 X Gross Section Area  
 Reinforcing units of sq in/ft



**INLET ELEVATION**

Inlet Elev. @ 804.89



**OUTLET ELEVATION**

Outlet Elev. @ 804.68