

PIPE GUARD RAIL REQUIRED

STATION	LENG.	CURVATURE	AMOUNT
160+74-167+42.81	688'	80'	74A
162+88-167+51	464'	80'	544

WOOD GUARD RAIL REQUIRED

CONCRETE DIA	LENG	AMOUNT
160+50	24'	30V
160+90	24'	30V

NEW REIN. CONCRETE PIPE CULVERTS REQUIRED

STATION	DIA	LENG	CONC. A	REIN. STEEL
156+80	18"	48'	15'	89
160+98	18"	48'	15'	89

NEW REIN. CONCRETE BOX CULVERT REQUIRED

STATION	DIA	LENG	CONC. A	REIN. STEEL
164+38	18"	48'	15'	89
164+38	18"	48'	15'	89

R = 12
 A = 60° 36' 41"
 D = 7'
 T = 470.3
 L = 865.2
 E = 129.4

108'A 188' 14' 192'

