

The topographic map displays the Rio Grande area with contour lines and a proposed pump station location. The pump station is situated near the intersection of Rio Grande and Rio Vally. The inlet culvert is labeled as 1.8 X 2.0 m. The water surface is indicated by a blue line. Section lines 1-1, 2-2, and 3-3 are shown with arrows pointing to the respective sections. The map includes a north arrow and various elevation markers.

STANDARD HORIZONTAL HANDRAIL
SEE DETAIL 7-PLAN 7075-10

Existing ground

47.05

100 40 250 40 290 150

CONTROLLED COMPACTION OF FILL LOCAL SOIL IN LAYERS, WITH ROLLER, TO 96% DENSITY OF MOD. AASHTO EACH LAYER 20 CM THICK.

CONTROLLED COMPACTION OF FILL LOCAL SOIL IN LAYERS, WITH ROLLER, TO 96% DENSITY OF MOD. AASHTO EACH LAYER 20 CM THICK.

49.00

100

INLET CULVERT

40.00

125 125

38.80 38.90

1.0

37.20

70

39.00

100

36.75 36.25

REFILL WITH CONCRET B-25 AND STONE (20-40) CM

Lean concrete 5cm
Layers with controlled compaction
Type A bed in 40 cm
Compacted soil

[illegible]

The diagram illustrates the cross-section of a tunnel inlet culvert. The upper portion is labeled "Local Fill" and is shown with diagonal hatching. The fill slopes are indicated by a 1:1 ratio. The top surface of the fill is at an elevation of 41.500 on the left and 41.000 on the right. The culvert structure is shown below the fill, with a top width of 230 and a bottom width of 180. The culvert is supported by a "Lean concrete 15cm" base. The inlet culvert is shown with a height of 150. The diagram also shows the "Excavated tunnel" and "DETAIL 1" of the inlet culvert.

The diagram is a cross-section profile of the Rio Vally. The vertical axis on the left shows elevation from 35 to 50. The horizontal axis at the bottom shows distance from 0.00 to 50.00. A dashed line represents the 'Existing ground', and a solid blue line represents the 'FINAL SURFACES'. A vertical dashed line marks the 'Rio Vally' centerline. A 'Rectangular Channel' (1.8 x 2.0 m) is shown with a 'Scan' point. A 'CONCRETE SLAP' is indicated. A 'Pump station II' is shown with a 'REFILL WITH CONCRET B-25 AND STONE (20-40) CM'. A box specifies 'CONTROLLED COMPACTION OF FILL LOCAL SOIL IN LAYERS, WITH ROLLER, TO 96 % DENSITY OF MOD. AASHTO EACH LAYER 20 CM THICK.' Another box specifies 'CONTROLLED COMPACTION OF FILL LOCAL SOIL IN LAYERS, WITH ROLLER, TO 96 % DENSITY OF MOD. AASHTO EACH LAYER 20 CM THICK.' The diagram includes various elevation points and dimensions for the channel and pump station.

EXISTING ELEVATION	DISTANCE	SECTION NUMBER
44.92	0.00	1
42.34	10.00	1
38.20	20.00	2
41.42	30.00	3
46.20	40.00	4
50.00	50.00	5

[illegible]