

PROJECT REFERENCE NO.	7-2520
SHEET NO.	13
ROADWAY DESIGN	HYDRAULICS
ENGINEER	ENGINEER
SEAL	SEAL
DATE	DATE
SCALE	SCALE

PI Sta. 5492.891	PI Sta. 5443.395	PI Sta. 4193.971	PI Sta. 0140.299	PI Sta. 0194.808	PI Sta. 1459.936
$\Delta = 2.27 \text{ (RT)}$	$\Delta = 5.46 \text{ (RT)}$	$\Delta = 6.58 \text{ (RT)}$	$\Delta = 2.27 \text{ (RT)}$	$\Delta = 6.58 \text{ (RT)}$	$\Delta = 2.27 \text{ (RT)}$
$L = 60.000$	$L = 69.000$	$L = 60.000$	$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$	$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$	$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$	$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$

PI Sta. 9467.670	PI Sta. 9418.174	PI Sta. 1248.309
$\Delta = 3.93 \text{ (RT)}$	$\Delta = 3.93 \text{ (RT)}$	$\Delta = 3.93 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$

PI Sta. 5492.891	PI Sta. 5443.395	PI Sta. 8443.410
$\Delta = 2.27 \text{ (RT)}$	$\Delta = 5.46 \text{ (RT)}$	$\Delta = 3.93 \text{ (RT)}$
$L = 60.000$	$L = 69.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$

PI Sta. 1248.309	PI Sta. 1406.659	PI Sta. 1545.666
$\Delta = 3.93 \text{ (RT)}$	$\Delta = 3.93 \text{ (RT)}$	$\Delta = 3.93 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$

PI Sta. 1746.812	PI Sta. 1846.473	PI Sta. 2014.278
$\Delta = 3.93 \text{ (RT)}$	$\Delta = 3.93 \text{ (RT)}$	$\Delta = 3.93 \text{ (RT)}$
$L = 70.000$	$L = 60.000$	$L = 70.000$
$T = 23.341$	$T = 20.000$	$T = 23.341$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$

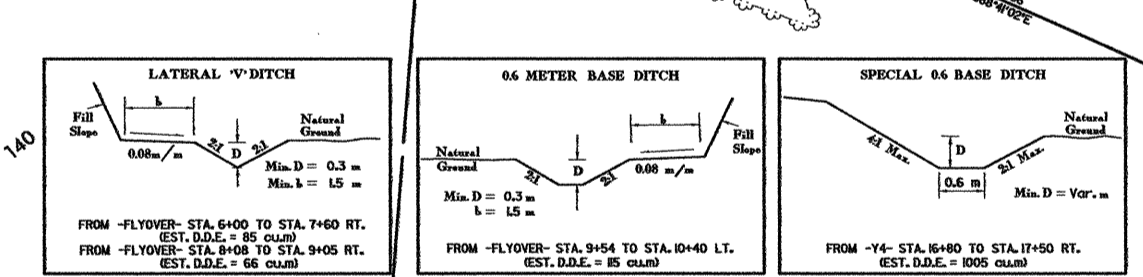
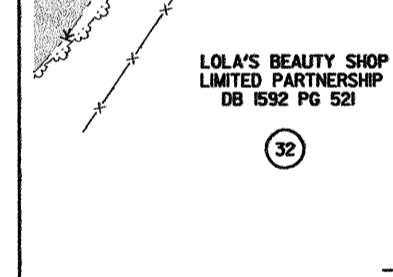
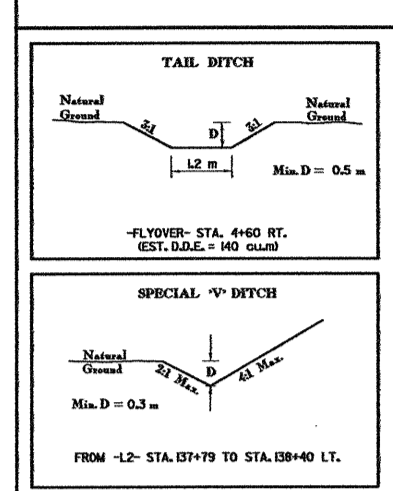
PI Sta. 133490.042	PI Sta. 134364.430	PI Sta. 140169.033
$\Delta = 2.20 \text{ (RT)}$	$\Delta = 3.19 \text{ (RT)}$	$\Delta = 2.20 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$

PI Sta. 16190.315	PI Sta. 16192.886	PI Sta. 16194.658
$\Delta = 3.27 \text{ (RT)}$	$\Delta = 1.79 \text{ (LT)}$	$\Delta = 1.79 \text{ (LT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$

PI Sta. 1467.042	PI Sta. 1439.354	PI Sta. 1444.090
$\Delta = 3.27 \text{ (RT)}$	$\Delta = 6.11 \text{ (RT)}$	$\Delta = 3.27 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$

PI Sta. 0161.026	PI Sta. 2141.993	PI Sta. 2194.743
$\Delta = 3.27 \text{ (RT)}$	$\Delta = 1.79 \text{ (RT)}$	$\Delta = 3.27 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$

PI Sta. 2141.993	PI Sta. 2143.085	PI Sta. 2147.397
$\Delta = 3.27 \text{ (RT)}$	$\Delta = 1.09 \text{ (LT)}$	$\Delta = 3.27 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$



PI Sta. 133490.042	PI Sta. 134364.430	PI Sta. 140169.033
$\Delta = 2.20 \text{ (RT)}$	$\Delta = 3.19 \text{ (RT)}$	$\Delta = 2.20 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$

PI Sta. 16190.315	PI Sta. 16192.886	PI Sta. 16194.658
$\Delta = 3.27 \text{ (RT)}$	$\Delta = 1.79 \text{ (LT)}$	$\Delta = 1.79 \text{ (LT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$

PI Sta. 1467.042	PI Sta. 1439.354	PI Sta. 1444.090
$\Delta = 3.27 \text{ (RT)}$	$\Delta = 6.11 \text{ (RT)}$	$\Delta = 3.27 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$	$DS = 100 \text{ km/h}$

PI Sta. 0161.026	PI Sta. 2141.993	PI Sta. 2194.743
$\Delta = 3.27 \text{ (RT)}$	$\Delta = 1.79 \text{ (RT)}$	$\Delta = 3.27 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$

PI Sta. 2141.993	PI Sta. 2143.085	PI Sta. 2147.397
$\Delta = 3.27 \text{ (RT)}$	$\Delta = 1.09 \text{ (LT)}$	$\Delta = 3.27 \text{ (RT)}$
$L = 60.000$	$L = 60.000$	$L = 60.000$
$T = 20.000$	$T = 20.000$	$T = 20.000$
$R = 500.000$	$R = 500.000$	$R = 500.000$
$SE = 0.00$	$SE = 0.00$	$SE = 0.00$
$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$	$DS = 80 \text{ km/h}$

18-MAY-2005, 10:05 AM, WZS:PCX:RJD: PSH:SDN, CLM:6140

BRIDGE DETAILS SEE SHEET 2-C  
-Y4- GRADE SEE PROFILE SHEET 55  
-Y5- GRADE SEE PROFILE SHEET 56  
-RAMP A- GRADE SEE PROFILE SHEETS 43,44  
-RAMP B- GRADE SEE PROFILE SHEETS 44,45  
-L2- GRADE SEE PROFILE SHEET 36

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