Greg Colbran

From: Boyden, Peter [Peter.Boyden@railcorp.nsw.gov.au]
Sent: Tuesday, 15 June 2010 12:24 PM
To: Greg Colbran
Cc: lani@ahc.org.au; ceo@ahc.org.au; mark.mv.spinks@centrelink.gov.au; rcampbell@syd.bonaccigroup.com; jbosman@hardforester.com.au; Paton, Alan; Dunbar, John
Subject: RE: Lawson St Bridge extension
Attachments: Alignment Details.pdf; 04063A.pdf; 04063B.pdf

Greg,

Please find attached details of the horizontal and vertical alignments of the subject track alignments for the Mains, Suburbans and Engine Dive. It should be noted that there is no recent vertical alignment detail for the Up Suburban.

Also, it would appear that the bridge was constructed in 1891 of steel and that maintenance is carried out by Council. However, our bridge database indicates that ownership is not known but I am investigating further and will advise in due course on this aspect as well as the other matters pending.

Regards,

Peter Boyden
Project Coordinator, City Underground
Rail Corridor Management Group
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From: Greg Colbran [mailto:gcolbran@deicorp.com.au]
Sent: Tuesday, 8 June 2010 9:25 AM
To: Boyden, Peter
Cc: lani@ahc.org.au; ceo@ahc.org.au; mark.mv.spinks@centrelink.gov.au; Ryan Campbell; jbosman
Subject: Lawson St Bridge extension

Hi Peter,
Thanks for the meeting yesterday and following our discussions it would be greatly appreciated if RailCorp could provide the additional information

1) Heritage status on the concrete wall running parallel to Eveleigh St
2) Architectural and Engineering plans in relation to Lawson St bridge.
3) Information from Alan Paton in relation to track survey and DSS Survey. and over head wiring.

The widening of Lawson St is critical to the overall aesthetics, .Architectural content and Public Domain Design of the project and we can not move forward with our DA works until this issue has been resolved. As discussed yesterday our programme is that we will be submitting our DA to the Dept Planning at the end of July 2010.and we would like to include RailCorps Approval in Principle for these works with our submission.

To maintain our program we must have our design concepts back to RailCorp by Friday 25th June giving RailCorp a further 3 weeks to"16th July" to provide a yes or a no, which then only leaves us two weeks to finalize our DA plans.

So Peter as you can see all information is critical to us and any assistance would be greatly appreciated.

Regards,
Greg Colbran

Project Manager

DEICORP

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	6 ft	Metrage	Super	Easting	Northing	Aspect:	Left
TP		824.986000	0	318503.880000	1248681.152000		
CNTR				321844.061000	1246487.086000	Radius:	3996.340201
TP		875.961000	0	318476.166000	1248638.368999		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		959.116000	0	318431.402000	1248568.290001		
TRS		987.261000	25	318416.140000	1248544.642000	TRS/L:	28.145524
CNTR				317581.056000	1249094.763000	Radius:	999.999540
TRS		1,012.499000	25	318401.992000	1248523.743000		
CNTR				317476.379000	1249167.575001	Radius:	1127.510311
CTRS		1,056.867000	25	318375.947000	1248487.827000		
CTRS		1,073.783000	60	318365.623000	1248474.427999	CTRS/L:	16.916000
CNTR				317858.719000	1248874.139000	Radius:	645.539070
TRS		1,210.691000	60	318270.128000	1248376.681999	TRS/L:	24.000549
TP		1,234.691000	0	318251.445000	1248361.617001		
MetAdj		1,300.000000		1,320.000000	20.628000		
EaPt		1,340.000000	0				

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		1,355.506000	25	318156.437000	1248285.974001		
EaPt		1,365.000000	40				
EaPt		1,380.000000	40				
EaPt		1,420.000000	50				
TRS		1,435.873000	50	318092.542000	1248237.250999	TRS/L:	80.366401
CNTR				317723.934000	1248764.962999	Radius:	643.701442
TRS		1,484.239000	50	318051.888000	1248211.070000	TRS/L:	38.003703
TP		1,522.242000	0	318018.813000	1248192.356001		

DN MAIN

HORIZ. ALIGNMENT

DSS

Detail site Survey

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Left
TP		824.900000	0	318500.821000	1248683.160999		
CNTR				321844.060000	1246487.086000	Radius:	3999.999395
TP		875.922000	0	318473.081000	1248640.339001		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		955.034000	0	318430.494000	1248573.667999		
TRS		986.387000	25	318413.486000	1248547.330000	TRS/L:	31.352540
CNTR				317537.142000	1249125.709000	Radius:	1050.000280
CTP		1,007.354000	25	318401.762000	1248529.947001		
CNTR				317476.379000	1249167.575001	Radius:	1123.789664
CTRS		1,046.594000	25	318378.938000	1248498.030001		
CTRS		1,083.516000	60	318356.337000	1248468.837999	CTRS/L:	36.922000
CNTR				317858.719000	1248874.139000	Radius:	641.788764
TRS		1,198.994000	60	318275.770000	1248386.326000	TRS/L:	44.800479
TP		1,243.794000	0	318241.051000	1248358.016001		
MetAdj		1,300.000000		1,320.000000	19.357000		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		1,333.965000	0	318171.011000	1248302.252001		
TRS		1,354.082000	40	318155.169000	1248289.854000	TRS/L:	20.117204
CNTR				317912.531000	1248610.763000	Radius:	402.313049
TRS		1,399.409000	40	318117.551000	1248264.606999	TRS/L:	20.117393
TP		1,419.526000	0	318100.074000	1248254.646999		
TP		1,550.454000	0	317985.788000	1248190.764999		

UP MAIN

HORIZONTAL ALIGNMENT

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Left
TRS		786.114000	60	318549.089000	1248718.351999	TRS/L:	29.535288
TP		815.649000	0	318532.661000	1248693.808001		
BEND		841.684000	0	318518.355000	1248672.056000		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		869.142000	0	318503.327000	1248649.077000		
TRS		879.134000	0	318485.576000	1248622.452999	TRS/L:	32.000004
CNTR				317992.366000	1248964.132000	Radius:	600.000051
CTP		889.864000	0	318479.386000	1248613.688000		
CNTR				317674.845000	1249192.608999	Radius:	991.179305
TP		908.758000	0	318468.206000	1248598.458000		
MetAdj		870.000000		875.000000	27.008000		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		1,036.509000	0	318391.627000	1248496.205000		
TRS		1,098.849000	60	318353.411000	1248446.962000	TRS/L:	62.339805
CNTR				317886.770000	1248835.469999	Radius:	607.200061
CTRS		1,136.661000	60	318328.328000	1248418.674999		
CTRS		1,168.712000	20	318305.872000	1248395.806999	CTRS/L:	32.051000
CNTR				316543.959000	1250171.820000	Radius:	2501.711627
CTRS		1,171.489000	20	318303.900000	1248393.851999		
CTRS		1,230.591000	50	318261.142000	1248353.058001	CTRS/L:	59.102000
CNTR				317630.656000	1249047.825001	Radius:	938.197082
TRS		1,306.912000	50	318202.601000	1248304.122999	TRS/L:	26.399526
TP		1,333.312000	0	318181.524000	1248288.226999		
MetAdj		1,335.000000		1,340.000000	7.517000		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		1,340.442000	0	318173.795000	1248282.454000		
TRS		1,379.637000	40	318142.229000	1248259.219999	TRS/L:	39.195556
CNTR				317600.422000	1249017.393000	Radius:	931.869665
TRS		1,470.207000	40	318066.100000	1248210.222000	TRS/L:	33.999766
TP		1,504.207000	0	318036.446000	1248193.591000		

DN SUB

HORIZONTAL ALIGNMENT

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Left
TRS		763.027000	60	318557.469000	1248737.436001	TRS/L:	38.369161
TP		801.396000	0	318536.041000	1248705.610001		
BEND		839.367000	0	318515.177000	1248673.885000		
MetAdj		840.000000		845.000000	24.240000		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		845.673000	0	318501.195000	1248652.504999		
TRS		877.673000	0	318483.444000	1248625.881001	TRS/L:	32.000002
CNTR				317990.224000	1248967.544001	Radius:	599.999329
TRS		883.833000	0	318479.910000	1248620.636000	TRS/L:	32.000098
TP		915.833000	0	318460.958000	1248595.052999		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		1,038.155000	0	318387.631000	1248497.142000		
TRS		1,097.180000	60	318351.485000	1248450.487000	TRS/L:	59.025139
CNTR				317686.770000	1248835.469999	Radius:	603.466193
CTRS		1,136.198000	60	318325.639000	1248421.266001		
CTRS		1,168.127000	20	318303.268000	1248398.483999	CTRS/L:	31.929000
CNTR				316543.959000	1250171.820000	Radius:	2497.977378
CTRS		1,170.973000	20	318301.247000	1248396.480000		
CTRS		1,229.913000	50	318258.606000	1248355.799000	CTRS/L:	58.940000
CNTR				317630.656000	1249047.825001	Radius:	934.462941
TRS		1,305.841000	50	318200.366000	1248307.115000	TRS/L:	26.399332
TP		1,332.241000	0	318179.290000	1248291.218000		
MetAdj		1,335.000000		1,340.000000	4.043000		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		1,342.049000	0	318172.198000	1248285.922001		
TRS		1,382.839000	40	318139.340000	1248261.753000	TRS/L:	40.790443
CNTR				317600.422000	1249017.393000	Radius:	928.129389
TRS		1,472.099000	40	318064.290000	1248213.496000	TRS/L:	34.000259
TP		1,506.099000	0	318034.636000	1248196.864000		

UP SUB

HORIZONTAL ALIGNMENT

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		1,112.112000	60	318336.766000	1248448.080000		
EaPt		1,120.000000	60				
CNTR				317989.950000	1248822.003000	Radius:	509.999864
TP		1,134.763000	30	318319.822000	1248433.049999		
EaPt		1,150.000000	0				

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Left
TP		1,309.450000	0	318186.597000	1248320.061001		
TRS		1,328.955000	40	318171.946000	1248307.188000	TRS/L:	19.505371
CNTR				318299.543000	1248171.854000	Radius:	186.000614
TRS		1,363.411000	40	318149.202000	1248281.370001	TRS/L:	33.270073
TP		1,396.681000	0	318131.269000	1248253.361000		

	6 ft	Metrage	Super	Easting	Northing	Aspect:	Right
TP		1,449.104000	0	318104.346000	1248208.379999		
TRS		1,471.277000	30	318092.482000	1248189.655001	TRS/L:	22.172807
CNTR				317972.823000	1248274.264999	Radius:	146.550364
CTRS		1,490.477000	30	318080.403000	1248174.749001		
CTRS		1,521.658000	30	318057.391000	1248153.749001	CTRS/L:	31.181000
CNTR				317794.654000	1248479.754000	Radius:	418.700452
CTRS		1,550.687000	30	318034.176000	1248136.330999		
CTRS		1,577.570000	30	318011.476000	1248121.950001	CTRS/L:	26.883000
CNTR				317914.783000	1248295.422001	Radius:	198.600464
TRS		1,592.477000	30	317998.195000	1248115.187000	TRS/L:	22.934501
TP		1,615.412000	0	317977.028000	1248106.367001		
BEND		1,730.282000	0	317870.162000	1248064.240000		

ENGINE DIVE

HORIZONTAL ALIGNMENT

DN MAIN : VERTICAL ALIGNMENT

File: 04030D.VAD Time: 10:02 Date: Thu 17-06-04 #-Check PrpVC

IP		Metrage	Level	Grade	Prp VC/Rd	Req VC/Rd	Cls	Vel	Dtm
1	1000-52,218A	935.000	21.544		0		1XC	100	AHD
				1.359%					
		1070.000	23.379						
2	NEW IP	1090.000	23.651		40/7137	40/5000	1XC	100	AHD
		1110.000	23.811						
				0.799%					
3	NEW IP	1180.000	24.370		0		1XNo VC Req		
				0.985%					
		1240.000	24.961						
4	1000-52,218A	1260.000	25.158		40/4675	#80/5000	1XC	100	AHD
		1280.000	25.184						
				0.129%					

VIDE 1000-52,218A

Adj Start: 1300.000 End: 1320.000 Length: 20.628

Adj Start: 1300.000 End: 1320.000 Length: 20.628

		1370.000	25.301						
5		1380.000	25.314		20/2617	#40/5000	1XC	100	AHD
		1390.000	25.251						
				-0.635%					
		1400.000	25.187						
6		1420.000	25.060		40/3865	#80/5000	1XC	100	AHD
		1440.000	25.140						
				0.400%					
7		1480.000	25.300		0		1XC	100	AHD

GUY 42,188

UP MAIN: VERTICAL ALIGNMENT

File: 04023UP.VAD Time: 9:12 Date: Thu 28-09-06 #-Check PrpVC

IP	Metrage	Level	Grade	Prp VC/Rd	Req VC/Rd	Cls	Vel	Dtm
1	940.000	21.515		0		1XC	80	AHD
			1.415%					
	1030.000	22.789						
2	1050.000	23.072		40/8159	40/5000	1XC	80	AHD
	1070.000	23.257						
			0.925%					
	1220.000	24.645						
3	1280.000	25.200		120/14542	#80/5000	1XC	80	AHD
	1340.000	25.260						
			0.100%					
4	1430.000	25.350		0		1XC	80	AHD

MARK I — Level Access

File: 07108.VAD Time: 13:17 Date: Thu 08-11-07 #-Check PrpVC

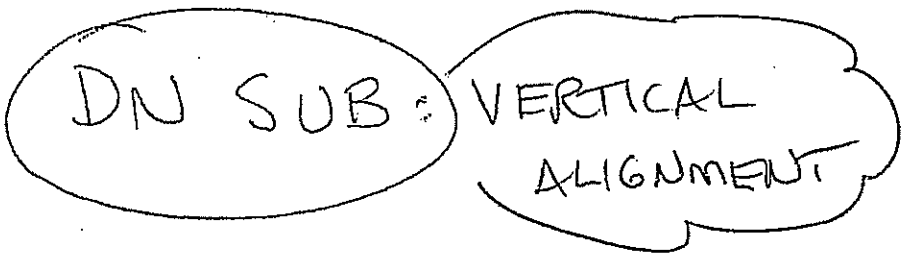
IP	Metrage	Level	Grade	Prp VC/Rd	Req VC/Rd	Cls	Vel	Dtm
1	615.000	18.030		0		1XC	60	AHD
			2.289%					
	670.000	19.289						
2	710.000	20.205		80/3380	#120/5000	1XC	60	AHD
	750.000	20.174		> @ 3000 ✓				
			-0.078%					
	800.000	20.135						
3	840.000	20.104		80/6410	80/5000	1XC	60	AHD
	870.000+10.000	20.572						
			1.170%					

Adj Start: 870.000 End: 875.000 Length: 27.008
Adj Start: 870.000 End: 875.000 Length: 27.008

	940.000	21.532						
4	960.000	21.766		40/7474	40/5000	1XC	60	AHD
	980.000	22.107						
			1.706%					
	1030.000	22.960						
5	1050.000	23.301		40/4966	#80/5000	1XC	60	AHD
	1070.000	23.481						
			0.900%					
	1150.000	24.201						
6	1170.000	24.381		40/13538	40/5000	1XC	60	AHD
	1190.000	24.502						
			0.605%					
	1260.000	24.925						
7	1280.000	25.046		40/9434	40/5000	1XC	60	AHD
	1300.000	25.082						
			0.181%					

Adj Start: 1335.000 End: 1340.000 Length: 7.517
Adj Start: 1335.000 End: 1340.000 Length: 7.517

8	1360.000	25.195		0		1XNo VC Req		
			-0.028%					
	1430.000	25.176						
9	1450.000	25.170		40/11562	40/5000	1XC	60	AHD
	1470.000	25.234						
			0.318%					
10	1560.000	25.520		0		1XC	60	AHD



ENGINE DIVE

MARK 1

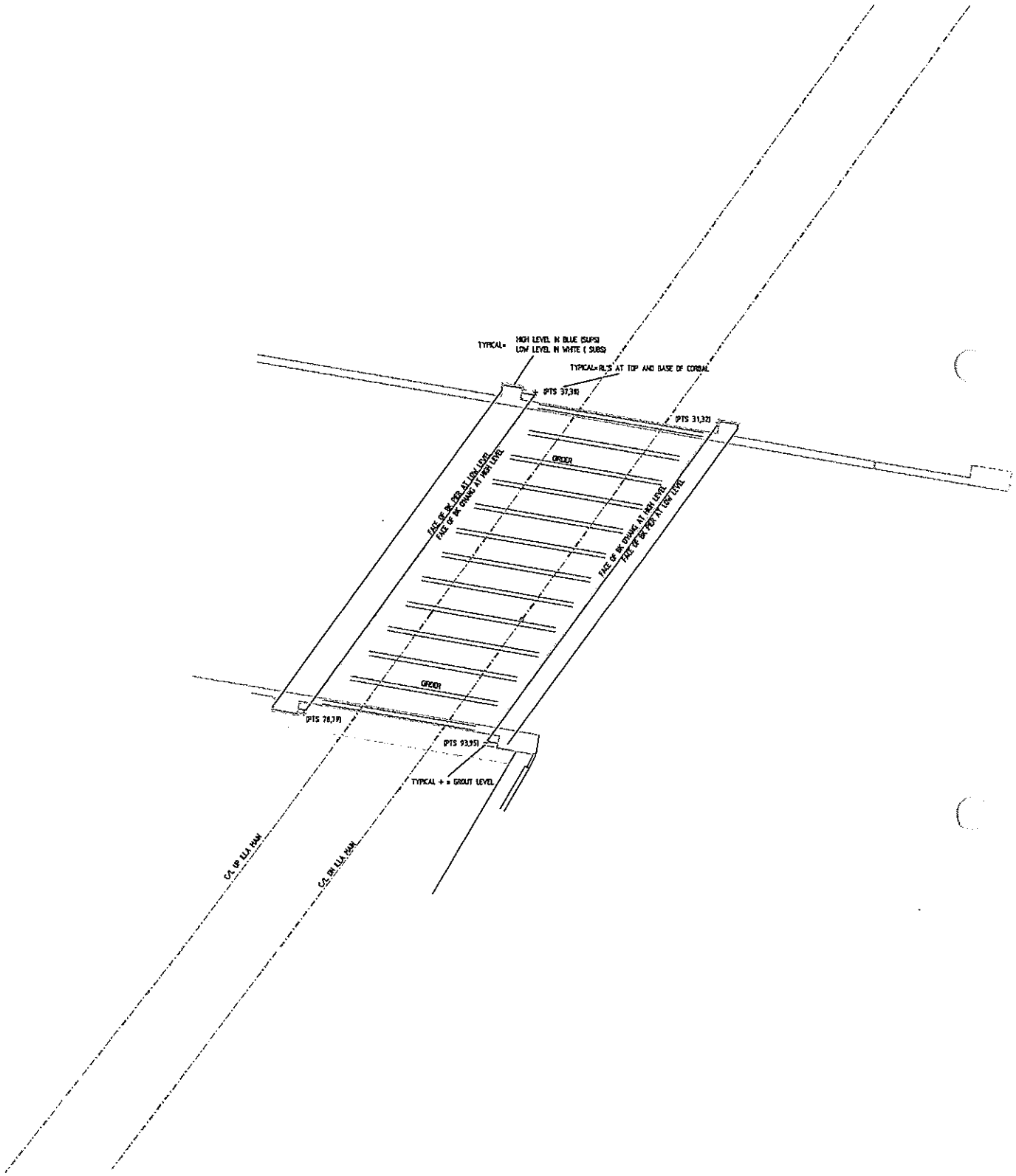
VERTICAL ALIGNMENT

File: 06041.VAD Time: 10:17 Date: Thu 07-09-06 #-Check PrpVC

IP	Metrage	Level	Grade	Prp VC/Rd	Req VC/Rd	Cls	Vel	Dtm
1	1112.095	23.726		0		1	30	AHD
			0.494%					
	1118.000	23.755						
2	1138.000	23.854		40/892	#160/3200	1	30	AHD
	1158.000	23.056						
			-3.990%					
	1190.000	21.779						
3	1200.000	21.380		20/6888	#40/3200	1	30	AHD
	1210.000	20.952						
			-4.281%					
	1239.000	19.711						
4	1257.000	18.940		36/864	#160/3200	1	30	AHD
	1275.000	18.920						
			-0.113%					
	1449.000	18.723						
5	1479.000	18.689		60/1512	#160/3200	1	30	AHD
	1509.000	19.846						
			3.856%					
	1571.000	22.236						
6	1596.000	23.200		50/1060	#160/3200	1	30	AHD
	1621.000	22.984						
			-0.863%					
	1649.000	22.743						
7	1669.000	22.570		40/4604	40/3200	1	30	AHD
	1689.000	22.224						
			-1.732%					
8	1707.400	21.905		0		1	30	AHD

SCALE 1:100

TOP WALL RL 33.36
to Redfern
PIPES, TROUGHING ETC ATTACHED TO BRICK AND WALKWAY
EDGE OF WALKWAY
MARKED ROAD C/L
CROWN OF ROAD
TOP WALL RL 33.28
TOP WALL RL 33.46
TOP WALL RL 33.42
TELSTRA PIT
0.6 DIAM PIPE
from Sydney
PEDESTRIAN CROSSING
TOP WALL RL 33.32
TOP WALL RL 33.19


TYPICAL= HIGH LEVEL IN BLUE (SUPS)
LOW LEVEL IN WHITE (SUBS)
TYPICAL= RLS AT TOP AND BASE OF CORBAL
(PTS 37,38)
(PTS 31,32)
GIRDER
FACE OF BK GIRDER AT LOW LEVEL
FACE OF BK DRAWG AT HIGH LEVEL
FACE OF BK DRAWG AT HIGH LEVEL
FACE OF BK PIER AT LOW LEVEL
GIRDER
(PTS 78,79)
(PTS 93,95)
TYPICAL + = GROUT LEVEL
C/L UP ELEA MAIN
C/L DN ELEA MAIN

SCALE 1.100