

150 mm ON ORIGINAL

150  
140  
130  
120  
110  
100  
90  
80  
70  
60  
50  
40  
30  
20  
10  
0

A1

PIPE SIZE (mm)  
PIPE CLASS & TYPE  
PIPE GRADE (%)

300  
RCP CLASS 4  
5.82%

375  
RCP CLASS 4  
6.26%

1200 EXISTING 1.00%  
1200 EXISTING 0.32%

600 EXISTING 2.54%

525 RCP CLASS 4 0.25%

NORMAL DEPTH VELOCITY (m/s)  
PIPE FLOW (cumecs)  
CAPACITY FLOW (cumecs)

2.95  
0.076  
0.233

1.53  
0.008  
0.440

2.72 0.809 3.915  
1.79 0.806 2.201

2.62 0.176 0.979

0.94 0.087 0.215

DATUM RL

623.000

623.000

590.000

601.000

575.000

HGL IN PIPE &  
WSE IN STRUCTURE

631.289 630.926 630.560 630.561 630.445

630.664 630.663 629.600 629.735

597.974 595.362 595.310 595.100 595.094 594.984

607.427 607.288 607.238 607.143

583.234 583.154 583.097 582.673 582.529

FINISHED (& EXISTING).  
SURFACE LEVEL

631.918 (632.164) 631.941 (631.401)

630.886 629.600 629.700 629.700

594.825 (594.802) 594.611 594.591 594.500 594.500

608.413 607.018 606.473 606.600

584.243 (584.326) 582.928 582.902 581.500

DEPTH OF INVERT BELOW FSL

1.207 1.518 1.972

0.286 -0.100 -0.100

3.149 4.243 4.263 0.061 0.061

1.395 2.046 1.919

1.315 2.109 3.510

INVERT LEVEL

630.711 630.423 629.969

630.600 629.700 629.700

594.825 594.611 594.591 594.500 594.500

607.018 606.473 606.600

582.928 582.902 581.500

CHAINAGE

0.000 4.941

0.000 14.384

0.000 21.441 21.441 50.114 50.114

0.000 21.447 21.447

0.000 10.475 10.475

4.941m

14.384m

21.441m

28.673m

21.447m

10.475m

LINE

L40

L41

L43

DR

L45

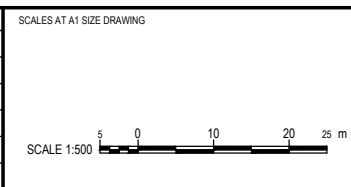
L47

DRAWING FILE LOCATION / NAME  
V:\Vault\Projects\3002750\CAD\DWG\07\_DD\_Drainage\3002750-DD-1532.dwg

EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
	A	#REF!	#REF!	#REF!	#REF!	DRAFTER	N. BROOKE-TAYLOR
						DRAFTING CHECK	X. SECUBAN
						DESIGNER	M. RAHMAN
						DESIGN CHECK	D. DONGOL
						PROJECT MANAGER	K. DECANHA
						PROJECT DIRECTOR	T. VAN NIEKERK

PLOT DATE  
15 Mar 2024

TIME  
13:08:29



DESIGNER

Member of the Surbana Jurong Group  
ABN 47 065 475 149

LEVEL 9, 12 MOORE STREET  
CANBERRA ACT 2601 AUSTRALIA  
SMEC PROJECT No 3002750

CLIENT

Transport Canberra & City Services

PROJECT TITLE  
WILLIAM HOVELL DRIVE DUPLICATION

DRAINAGE  
LONGITUDINAL SECTION  
SHEET 22

SCALE AS SHOWN	PHASE DETAIL DESIGN	PROJECT / DRAWING No. 3002750-DD-1532	REVISION A
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