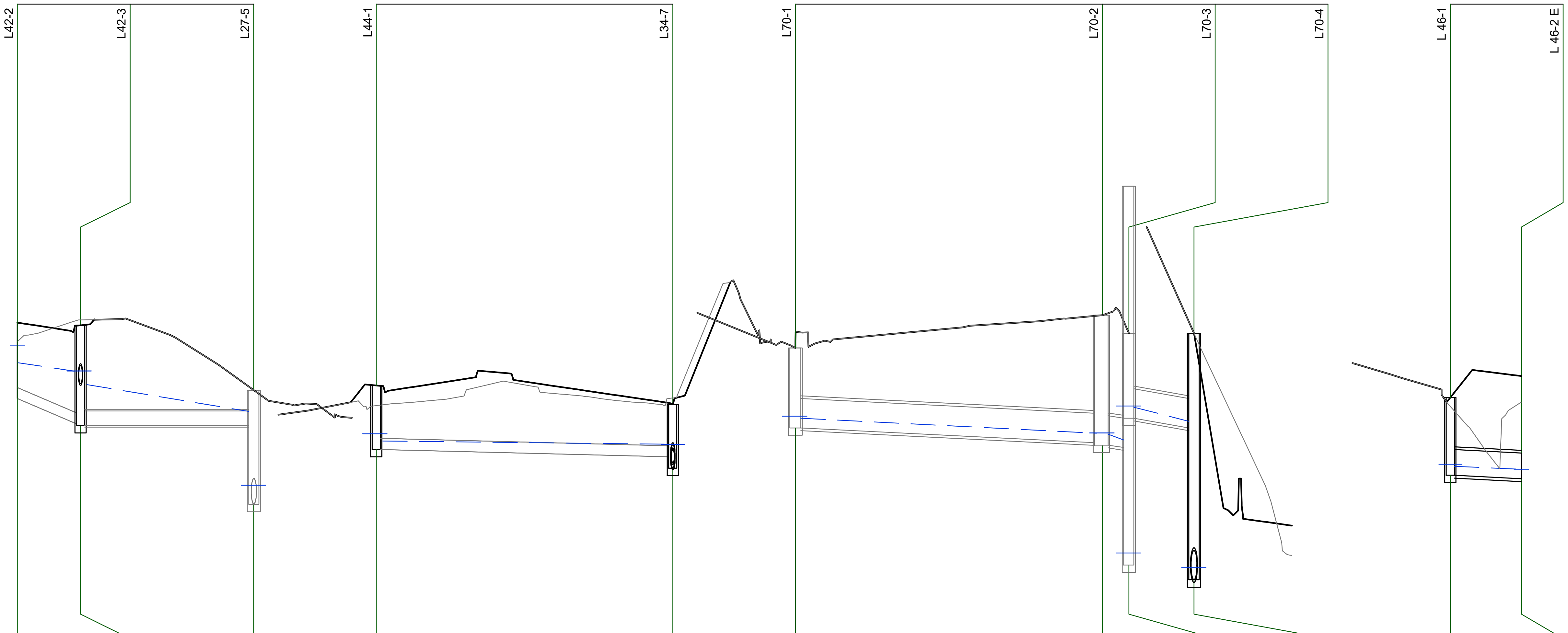

LINE: EXT-L42

	L42-2	L42-2	L42-3	L42-3	L27-5	L27-5
PIPE SIZE (mm)		225		300		
PIPE CLASS & TYPE		EXISTING		RCP CLASS 4		
PIPE GRADE (%)		8.01%		0.00%		
NORMAL DEPTH VELOCITY (m/s)		3.31		2.39		
PIPE FLOW (cumecs)		0.073		0.169		
CAPACITY FLOW (cumecs)		0.127		0.000		
DATUM RL		616.000				
HGL IN PIPE & WSE IN STRUCTURE	625.477	625.132	624.961 624.962	624.685	624.137 622.630	622.546
FINISHED (& EXISTING). SURFACE LEVEL	625.951	(625.561)	625.895	(626.005)	624.569	
DEPTH OF INVERT BELOW FSL	1.481	1.551	2.011	2.046	0.721	2.329
INVERT LEVEL	624.470	624.400	623.884	623.848	623.848	622.240
CHAINAGE	12.872		19.317		37.001	
LENGTH		6.446m		17.684m		

LINE: EXT-L44

	L44-1	L44-1	L34-7	L34-7
PIPE SIZE (mm)		225		
PIPE CLASS & TYPE		EXISTING		
PIPE GRADE (%)		0.50%		
NORMAL DEPTH VELOCITY (m/s)		0.87		
PIPE FLOW (cumecs)		0.023		
CAPACITY FLOW (cumecs)		0.032		
DATUM RL		620.000		
HGL IN PIPE & WSE IN STRUCTURE	627.679	627.533	627.467	627.318
FINISHED (& EXISTING). SURFACE LEVEL	628.668	(628.256)	628.278	(628.410)
DEPTH OF INVERT BELOW FSL		1.306	1.068	1.298
INVERT LEVEL		627.361	627.210	626.980
CHAINAGE	0.000		30.266	
LENGTH		30.266m		

LINE: EXT-L70

	L70-1	L70-1	L70-2	L70-2	L70-3	L70-3	L70-4	L70-4
PIPE SIZE (mm)		600		600		600		
PIPE CLASS & TYPE		RCP CLASS 4		RCP CLASS 4		RCP CLASS 4		
PIPE GRADE (%)		0.96%		1.87%		3.01%		
NORMAL DEPTH VELOCITY (m/s)		1.56		2.11		2.50		
PIPE FLOW (cumecs)		0.096		0.120		0.120		
CAPACITY FLOW (cumecs)		0.601		0.839		1.065		
DATUM RL		605.000				602.000		
HGL IN PIPE & WSE IN STRUCTURE	613.039	612.998	612.692 612.696	612.672	612.554 610.246	610.222	609.936 606.946	606.922
FINISHED (& EXISTING). SURFACE LEVEL	614.432		615.101		614.735		611.735	
DEPTH OF INVERT BELOW FSL		1.632	2.601	2.651	2.335	4.735	1.935	5.035
INVERT LEVEL		612.800	612.500	612.450	612.400	610.000	609.800	606.700
CHAINAGE	-30.703		0.655		3.333		9.986	
LENGTH		31.358m		2.678m		6.654m		

LINE: L 46

	L 46-1	L 46-1	L 46-2 E	L 46-2 E
PIPE SIZE (mm)		525		
PIPE CLASS & TYPE		RCP CLASS 4		
PIPE GRADE (%)		1.00%		
NORMAL DEPTH VELOCITY (m/s)		1.50		
PIPE FLOW (cumecs)		0.076		
CAPACITY FLOW (cumecs)		0.432		
DATUM RL		584.000		
HGL IN PIPE & WSE IN STRUCTURE	591.059	591.015	590.955	
FINISHED (& EXISTING). SURFACE LEVEL	592.422	(592.237)	592.859	(592.330)
DEPTH OF INVERT BELOW FSL		1.589	2.098	
INVERT LEVEL		590.834	590.761	
CHAINAGE	0.000		7.246	
LENGTH		7.246m		

DR

150 mm ON ORIGINAL

A1

X_3002750_SMEC_a1
X_LS_SW

DRAWING FILE LOCATION / NAME
V:_Vault\Projects\3002750\CAD\DWG\07_DD_Drainage\3002750-DD-1515.dwg

PLOT DATE 15 Mar 2024 TIME 12:57:42

EXTERNAL REFERENCE FILES

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	#REF!	#REF!	#REF!	#REF!

TITLE	NAME
DRAFTER	N. BROOKE-TAYLOR
DRAFTING CHECK	X. SEGUBAN
DESIGNER	M. RAHMAN
DESIGN CHECK	D. DONGOL
PROJECT MANAGER	K. DECANHA
PROJECT DIRECTOR	T. VAN NIEKERK

SCALES AT A1 SIZE DRAWING
SCALE 1:500 (5, 0, 10, 20, 25 m)

DESIGNER
SMEC
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
ACT Government
Transport Canberra & City Services

PROJECT TITLE
WILLIAM HOVELL DRIVE DUPLICATION

DRAINAGE
LONGITUDINAL SECTION
SHEET 5

SCALE: AS SHOWN | PHASE: DETAIL DESIGN | PROJECT / DRAWING No. 3002750-DD-1515 | REVISION A