

AIRDS BRADBURY URBAN RENEWAL PROJECT
STAGE 6 – DRAFT CIVIL DESIGN TO ACCOMPANY
LODGE MENT OF DEVELOPMENT APPLICATION TO
CAMPBELLTOWN CITY COUNCIL.

NOTES:
1. ALL WORKS & ANY STRUCTURES REFERRED TO ARE TO BE IN ACCORDANCE WITH
CAMPBELLTOWN COUNCIL SPECIFICATIONS AND ANY STANDARD DRAWINGS. FURTHER
DETAIL TO BE PROVIDED ON APPLICATION FOR CONSTRUCTION CERTIFICATE.

1
D. P. 499778

" REIBY JUVENILE
JUSTICE CENTRE"

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SHEET NUMBER	DESCRIPTION
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3.	STAGE 6A DETAIL PLAN – SOUTH
4.	STAGE 6B DETAIL PLAN – NORTH
5.	STAGE 6B DETAIL PLAN – SOUTH
6.	LONGITUDINAL SECTION & TYPICAL CROSS SECTION – ROAD No. 601
7.	LONGITUDINAL SECTION & TYPICAL CROSS SECTION – ROAD No. 602
8.	LONGITUDINAL SECTION & TYPICAL CROSS SECTION – ROAD No. 603 TO 605 (INCLUSIVE)
9.	SITE REGRADING PLAN
10.	SOIL & WATER MANAGEMENT PLAN
11.	OVERALL SITE DRAINAGE PLAN
12.	ROAD DRAINAGE LONGITUDINAL SECTION No. 1
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16.	INTERALLOTMENT DRAINAGE – LINE Nos. 51 TO 54 (INCLUSIVE)
17.	INTERALLOTMENT DRAINAGE – LINE Nos. 55 TO 56 (INCLUSIVE)
18.	INTERALLOTMENT DRAINAGE – LINE Nos. 57 & 58 & TRUNK SERVICE MAIN ALLOCATIONS WITHIN ROAD RESERVE OF PROPOSED ROAD No.601.

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10		20		30		40		50		Table of mm		100		110		120		130		140		150																			
DESIGN BY												Reduction Ratio AS SHOWN										AMENDMENTS		A		B		C		D		Approvals				PROJECT MANAGER		SITE/STAGE: AIRDS BRADBURY STAGE 6		NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT	
SURVEY BY YSCO GEOMATICS 4/114 HAMPDEN ROAD												DATUM A.H.D.										Date		16/06/2017		19/03/2018		09/04/2018				MANAGER PROJECT				LOCALITY: AIRDS & BRADBURY		LGA: CAMPBELLTOWN			
CALC BY ARTARMON N.S.W. 2064																																				FILE No.:		PLAN No.: P50392/3/DA-CIVIL_V1C		SHEET No. 1	
																																				JUNE, 2017		STAGE 6 – LOCALITY PLAN		OF 18 SHEETS	

FINAL GRADING OF LOTS TO BE DETERMINED ON ENGINEERING DESIGN PLANS SUBMITTED WITH APPLICATION FOR CONSTRUCTION CERTIFICATE.

DEMOLISH AND REMOVE EXISTING STORMWATER PITS FROM SAG WITHIN SUBJECT SITE (STAGE 6). CONNECT INTERALLOTMENT DRAINAGE LINE TO DRAIN NOMINALLY 14 LOTS THROUGH LOT 44 IN DEPOSITED PLAN 244208. (POST DEVELOPMENT FLOWS MINOR IN COMPARISON TO EXISTING FLOW- LARGE REDUCTION IN CATCHMENT). ROAD STORMWATER TO BYPASS & SUBSTANTIALLY REDUCE FLOWS THROUGH LOT 42.

MAINTAIN LEVELS ON REAR BOUNDARY

MAINTAIN LEVELS ON REAR BOUNDARY

CONCRETE K & G
INTERCEPT EXISTING DRAINAGE LINE - REFER SHEET.11

CONSTRUCT NEW DRAINAGE AT EXISTING STORMWATER DISCHARGE POINTS FROM MERINO CRESCENT AND DIVERT TO NEW DRAINAGE LINE IN PROPOSED ROAD No.601.

PROPOSED CREST K&G AT LOT 42.156.156

TOP KERB AT PIT AT LOWEST POINT ON SOUTHERN SIDE OF MERINO CRES. - RL 135.65. THEREFORE MAX. POSSIBLE DEPTH OF PONDING 80MM BELOW LOWEST KERB LEVEL PRIOR TO OVERFLOW DOWN ROAD No.601.

CUT NEW VEHICLE LAYBACKS IN KERBS TO LOTS 6285 & 6286. NEW 150MM K& G TO BE LAID AT FRONTAGE 6277 TO 6284 INCLUSIVE.

TERMINAL OF CONSTRUCTION AT APPROX. CH 20 TEMPORARY TURNING HEAD NOT REQUIRED.

TERMINAL OF CONSTRUCTION AT APPROX. CH 20 TEMPORARY TURNING HEAD NOT REQUIRED.

NOTES.

1. PROBABLE 1.0 METRE FSL CONTOURS SHOWN THUS
 2. INDICATIVE ROAD AND LOT DRAINAGE LINE LOCATIONS SHOWN THUS
 3. DA/STAGE BOUNDARY
 4. POSSIBLE RETAINING WALL LOCATION TO REDUCE LOT GRADES.
 5. PROPOSED FOOTPATHS SHOWN THUS: PRAM CROSSING LOCATIONS: PRAM CROSSINGS TO BE REBUILT (*)
- (1.2 WIDE UNLESS SHOWN OTHERWISE)
FINAL FOOTPATH & PRAM CROSSINGS SUBJECT TO CC DESIGN



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DESIGN BY
SURVEY BY YSCO GEOMATICS
4/114 HAMPDEN ROAD
ARTARMON N.S.W. 2064
CALC BY

Reduction Ratio AS SHOWN
DATUM A.H.D.

AMENDMENTS	A	B	C	D
Date	16/06/2017	19/03/2018	09/04/2018	
C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY). TREATMENT SAG MERINO RBOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.				

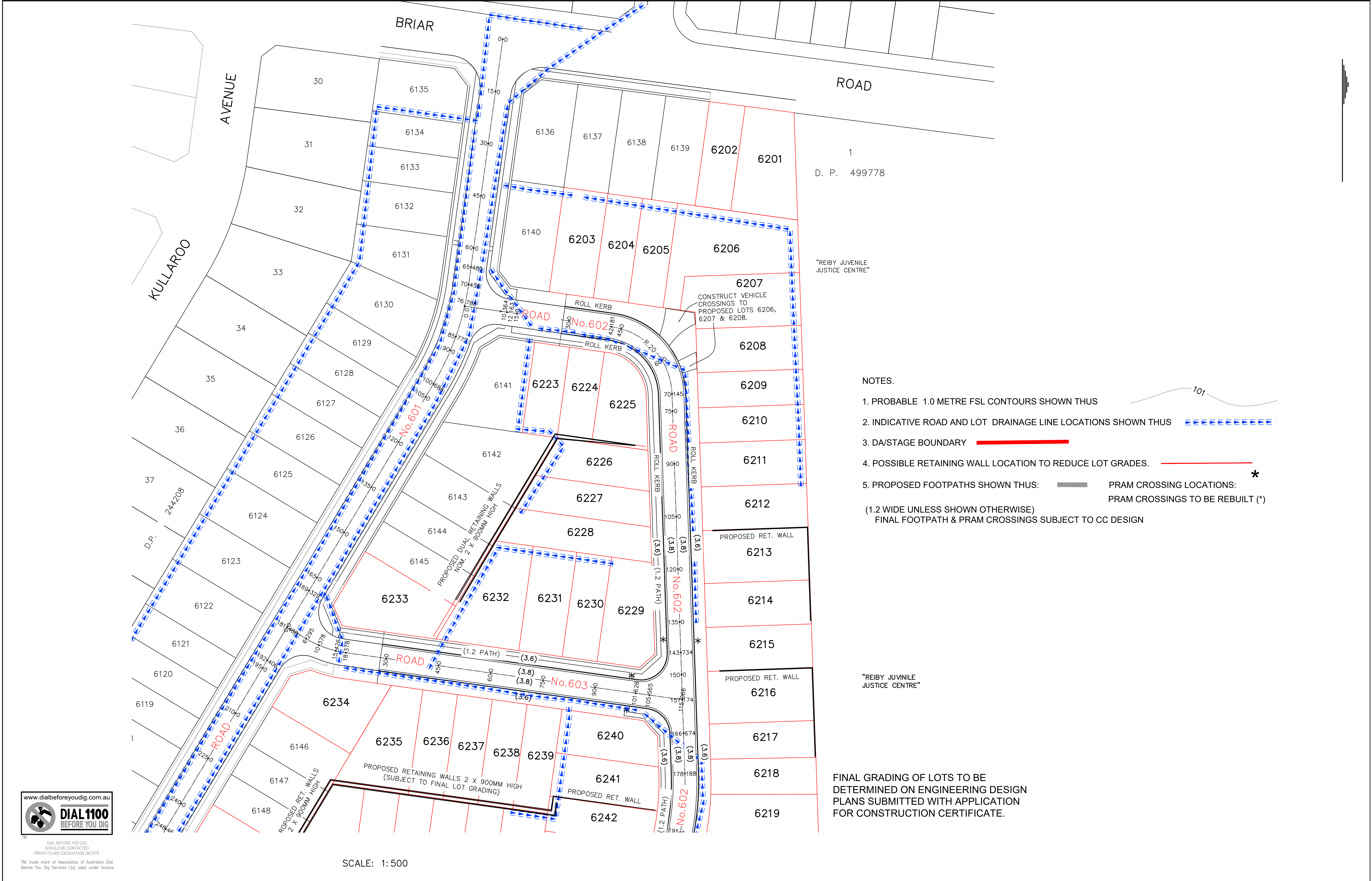
MANAGER PROJECT



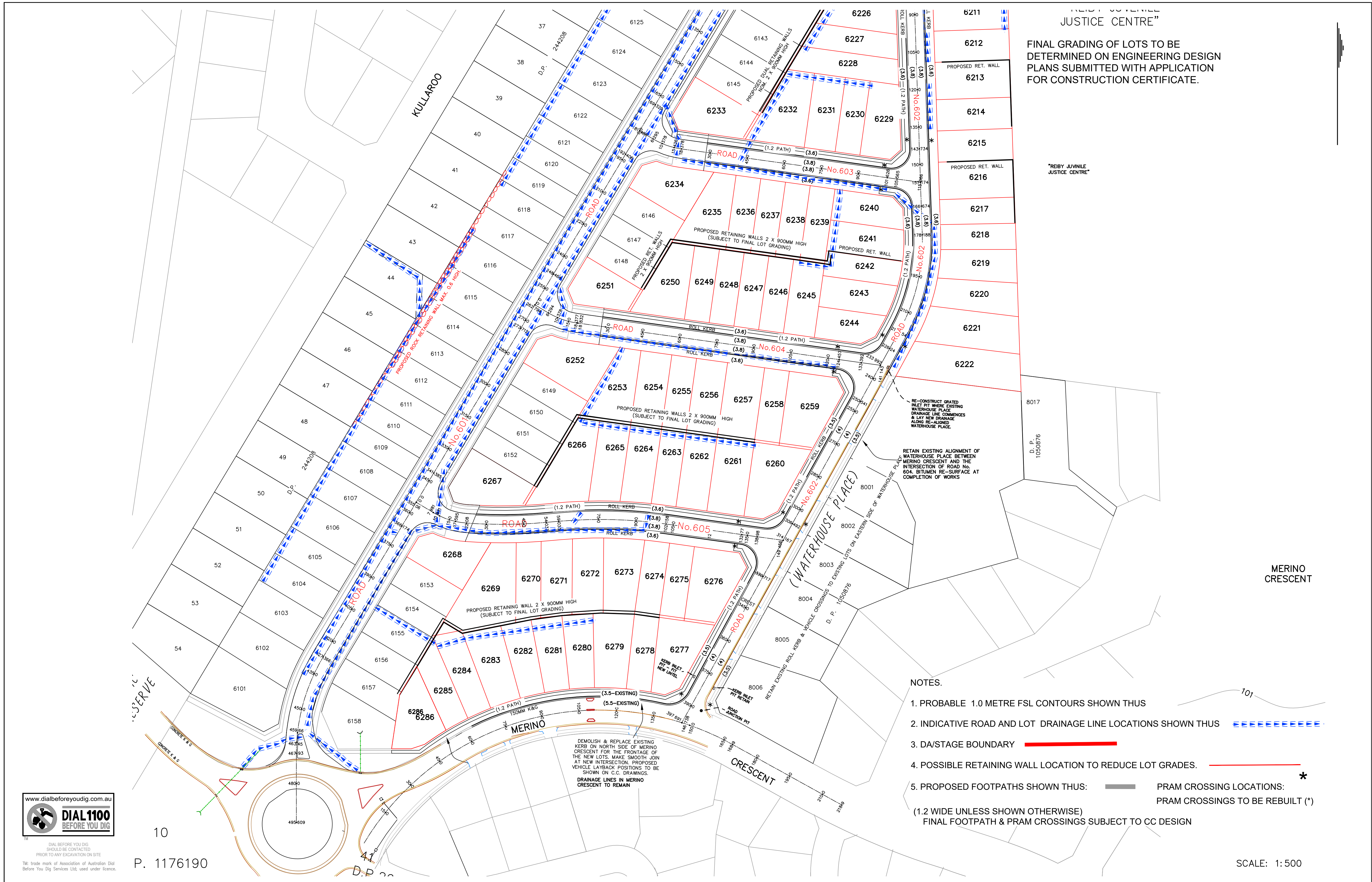
PROJECT MANAGER
Date
JUNE, 2017

SITE/STAGE: AIRDS BRADBURY STAGE 6
LOCALITY: AIRDS & BRADBURY
FILE No.:
NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT
LGA: CAMPBELLTOWN
PLAN No.: P50392/3/DA-CIVIL_V1C
SHEET No. 3
OF 18 SHEETS

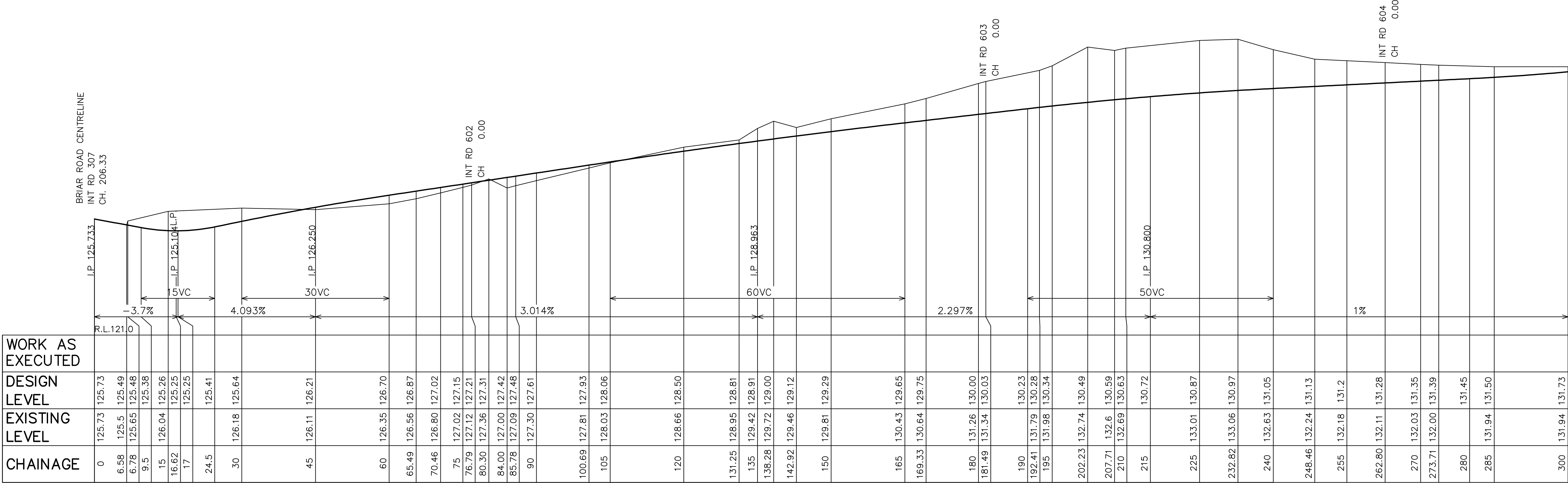
SITE PLAN No.2
STAGE 6A (SOUTH)



0 10 20 30 40 50 1 Table of mm 100 110 120 130 140 150										AMENDMENTS		A		B		C		D		Approvals				PROJECT MANAGER		SITE/STAGE: AIRDS BRADBURY STAGE 6 LOCALITY: AIRDS & BRADBURY FILE No.: NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT LGA: CAMPBELLTOWN PLAN No.: P50392/3/DA-CIVIL-V1C	
DESIGN BY		Reduction Ratio AS SHOWN		Date		16/06/2017		19/03/2018		09/04/2018				MANAGER PROJECT													
				C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY). TREATMENT SAC MERINO ABOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.																							
SURVEY BY		YSKO GEOMATICS 4/114 HAMPDEN ROAD ARTARMON N.S.W. 2064		DATUM A.H.D.																							
CALC BY																											
												JUNE, 2017		SITE PLAN No. 3 STAGE 6B (NORTH)		SHEET No. 4 OF 18 SHEETS											

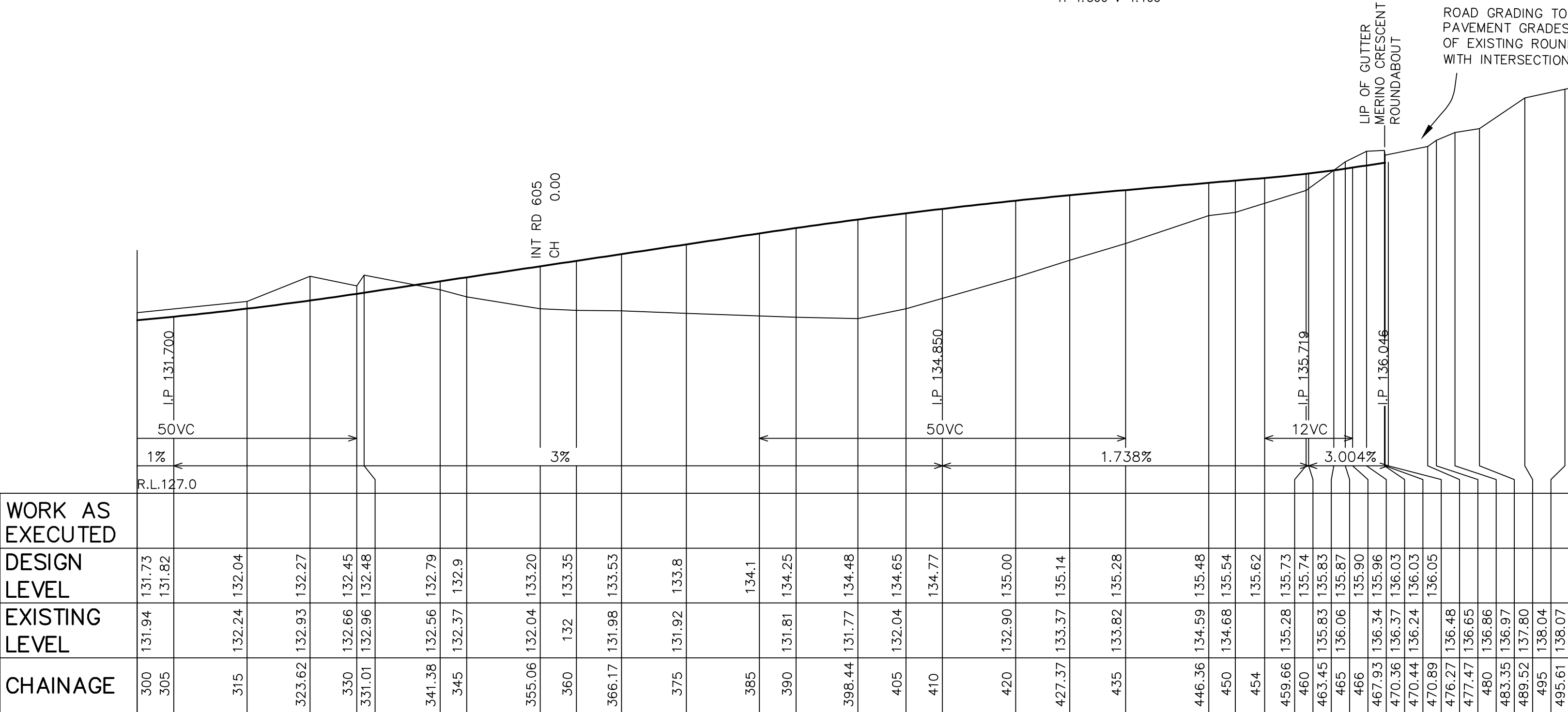


DESIGN BY		Reduction Ratio AS SHOWN		AMENDMENTS		A		B		C		D		Approvals		PROJECT MANAGER		SITE/STAGE:		AIRDS BRADBURY STAGE 6		NAME:		AIRDS BRADBURY URBAN RENEWAL PROJECT	
SURVEY BY		YSCO GEOMATICS		Date		16/06/2017		19/03/2018		09/04/2018								LOCALITY:		AIRDS & BRADBURY		LGA:		CAMPBELLTOWN	
CALC BY		ARTARMON N.S.W. 2064												MANAGER PROJECT				FILE No.:				PLAN No.:		P50392/3/DA-CIVIL_V1C	
																								SHEET No. 5	
																								OF 18 SHEETS	



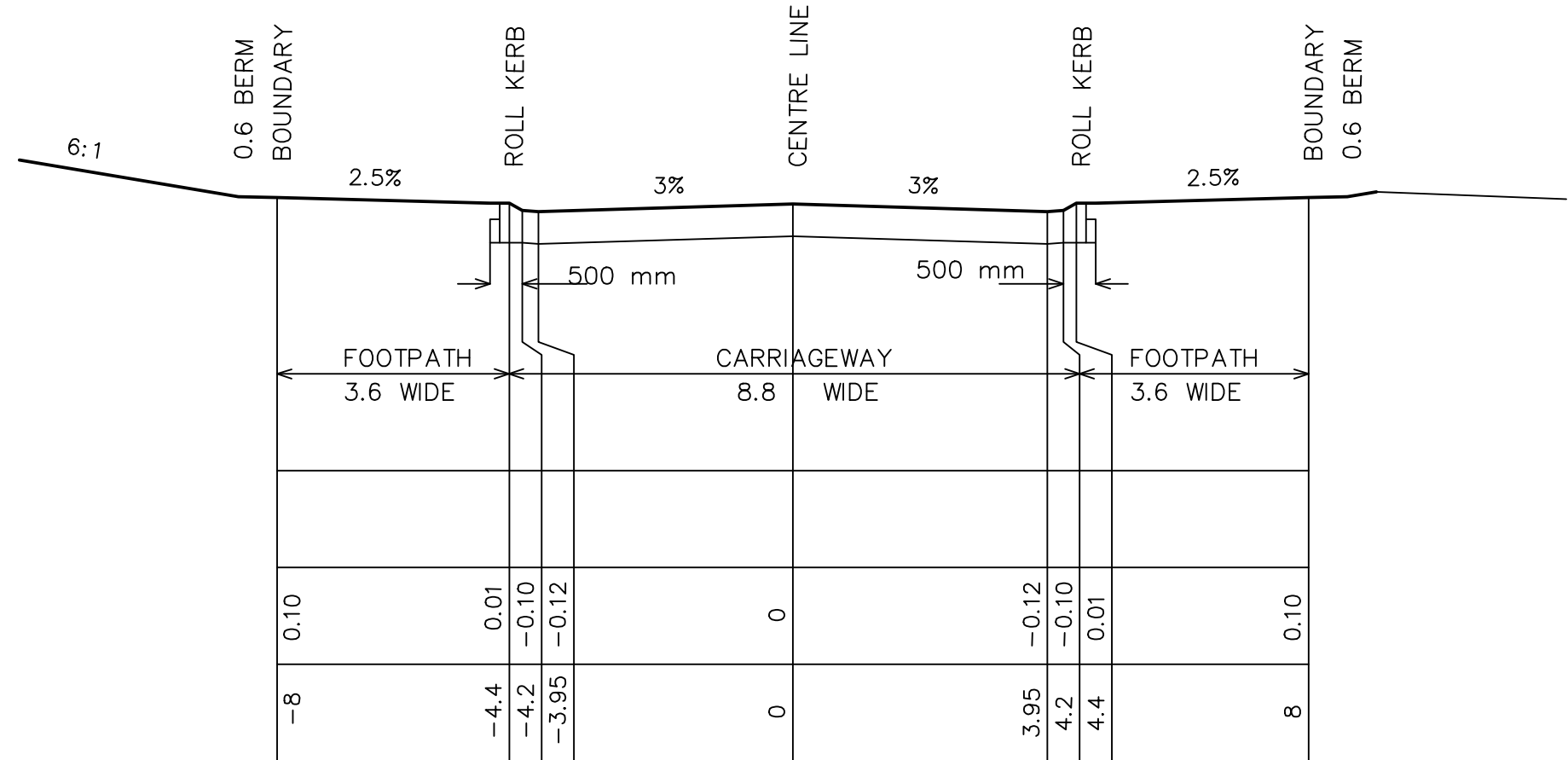
ROAD No. 601

H=1:500 V=1:100



ROAD No. 601

H=1:500 V=1:100



TYPICAL SECTION

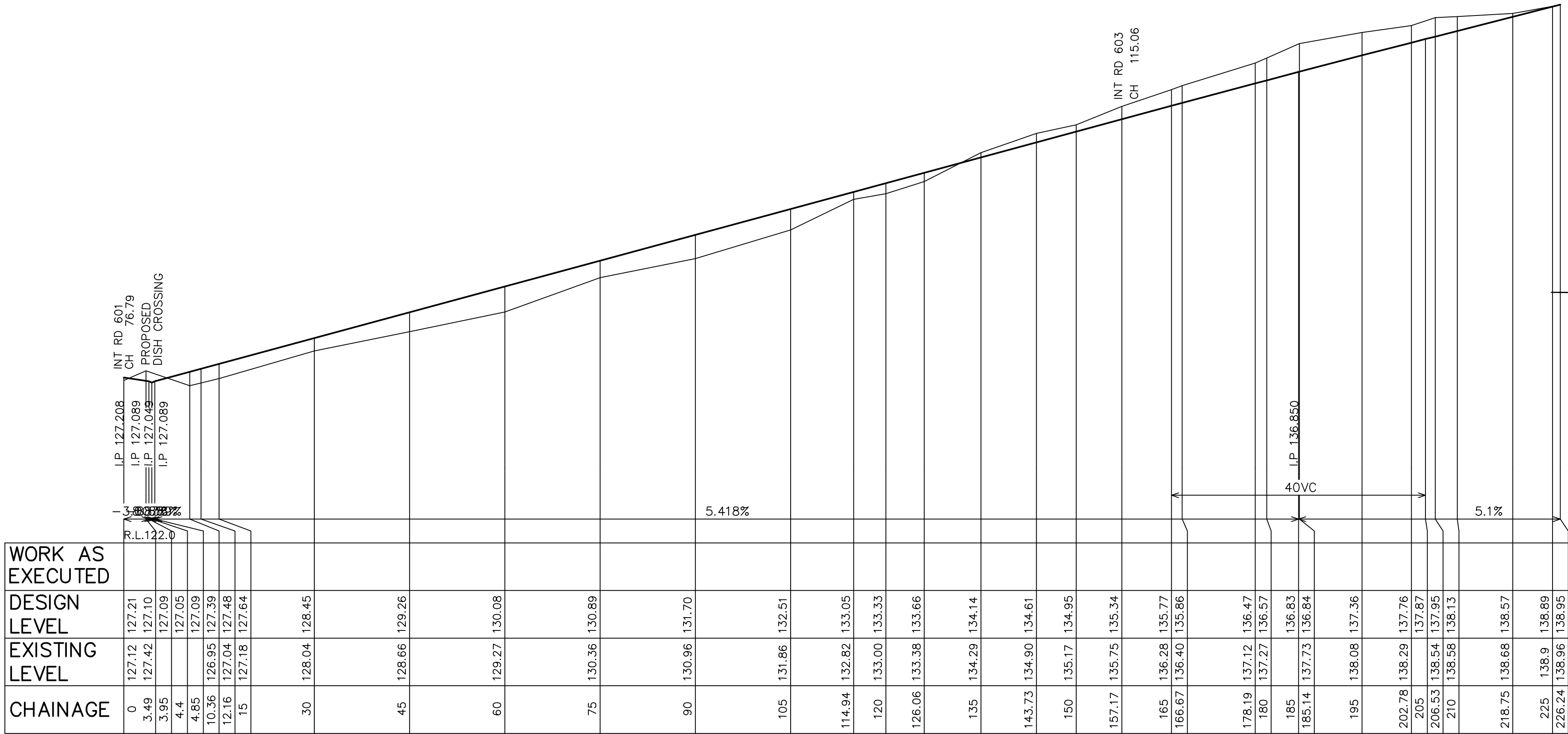
NOTES:

1. FINAL LONG SECTION DESIGNS SUBJECT TO REFINEMENT BASED ON FURTHER INVESTIGATION OF SERVICE LOCATIONS, ROCK DEPTHS AND EXISTING SERVICE LOCATIONS.

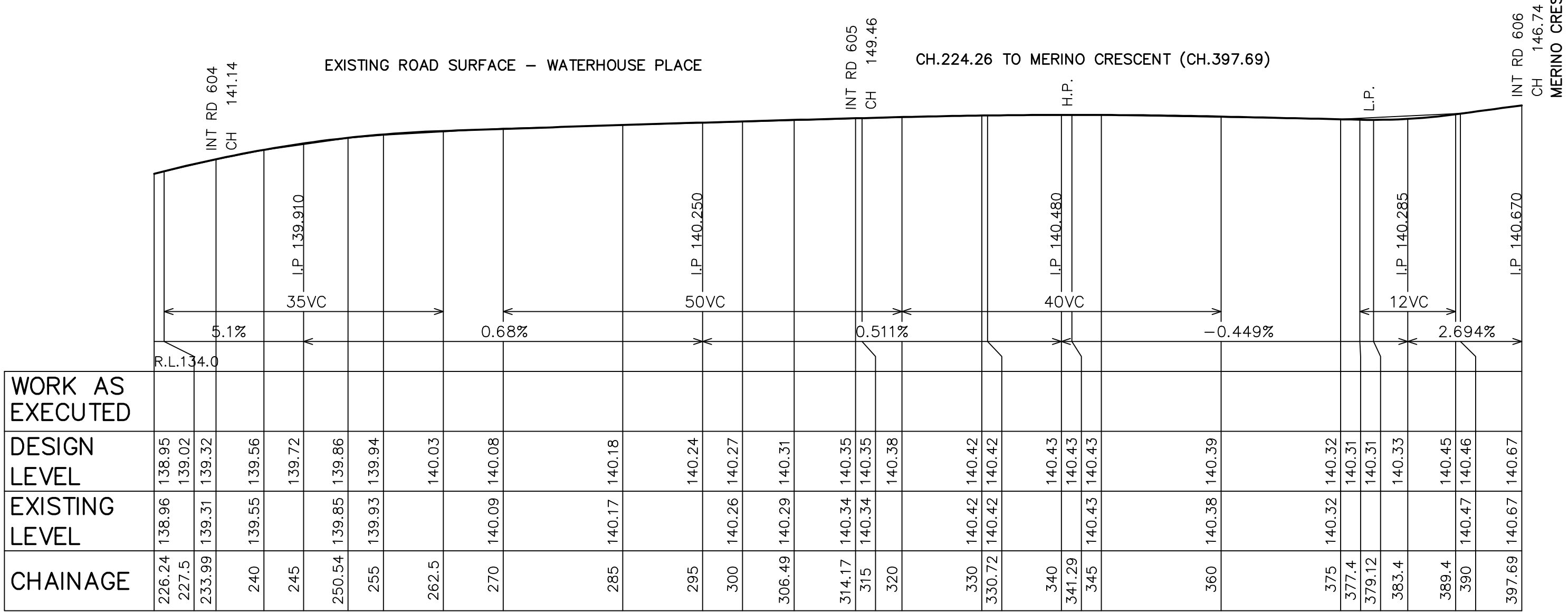


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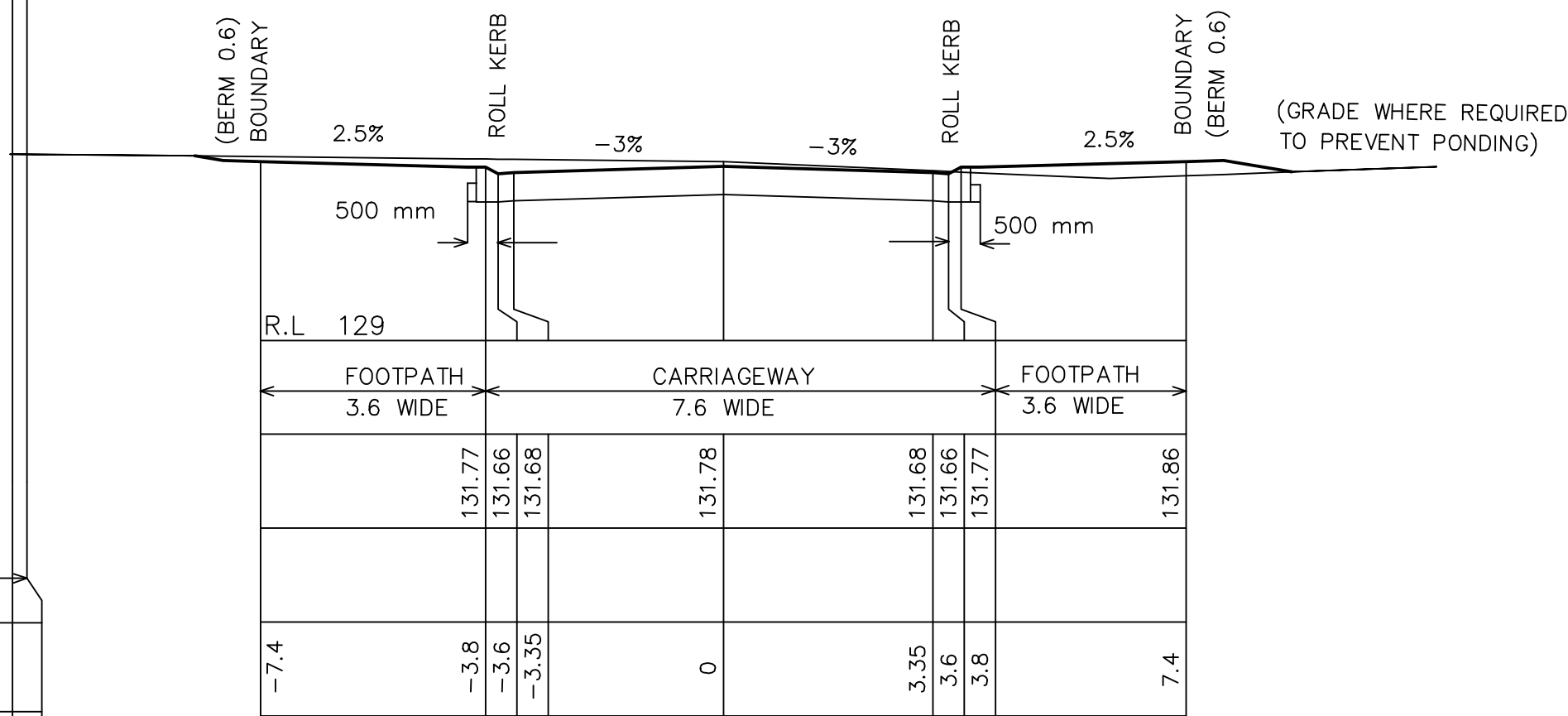
[10] [20] [30] [40] [50] Table of mm [100] [110] [120] [130] [140] [150]		AMENDMENTS				A				B				C				D				Approvals								PROJECT MANAGER				SITE/STAGE: AIRDS BRADBURY STAGE 6				NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT			
DESIGN BY		Reduction Ratio AS SHOWN		Date				16/06/2017				19/03/2018				09/04/2018				MANAGER PROJECT				LOCALITY: AIRDS & BRADBURY						LGA: CAMPBELLTOWN											
SURVEY BY YSCO GEOMATICS 4/114 HAMPDEN ROAD ARTARMON N.S.W. 2064																FILE No.: P50392/3/DA-CIVIL_V10								PLAN No.: P50392/3/DA-CIVIL_V10																	
CALC BY		DATUM A.H.D.		C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAC MERINO RBOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.																Date				JUNE, 2017				LONG & TYPICAL CROSS SECTION ROAD No. 601				SHEET No. 6 OF 18 SHEETS									



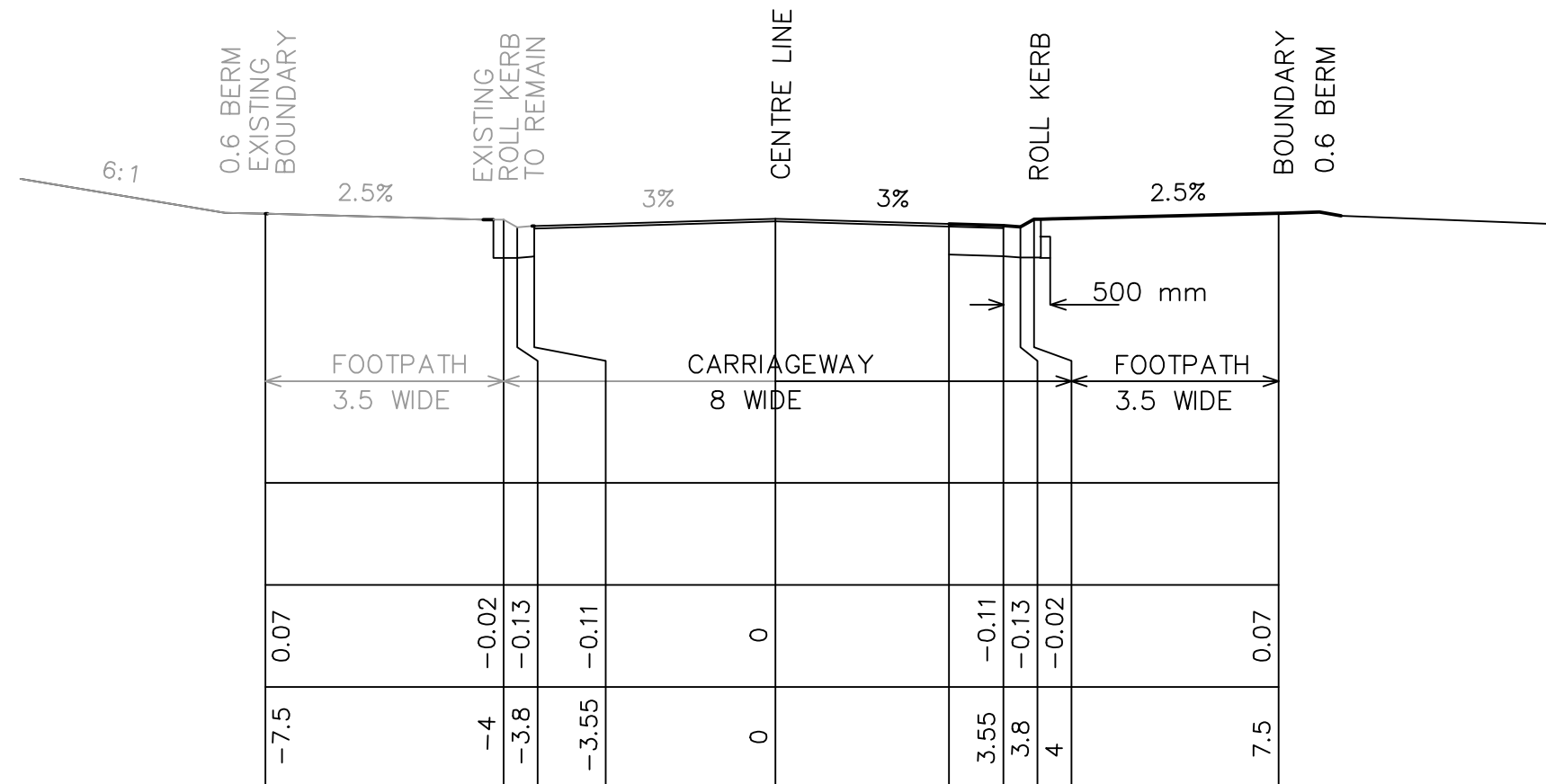
ROAD No. 602 (WATERHOUSE PLACE)
H=1:500 V=1:100



ROAD No. 602 (WATERHOUSE PLACE)
H=1:500 V=1:100



TYPICAL SECTION (Ch.00 - 226.24)
H=1:100 V=1:100



TYPICAL SECTION (Ch.233.99 - 397.69)
H=1:100 V=1:100

EXISTING ROAD/KERB ALIGNMENTS TO REMAIN.
EXISTING EASTERN ROLL KERB TO REMAIN.
WESTERN ROLL KERB FRONTING NEW LOTS TO BE REPLACED.
ROAD TO BE RE SEALED WITH 50MM AC

NOTES:

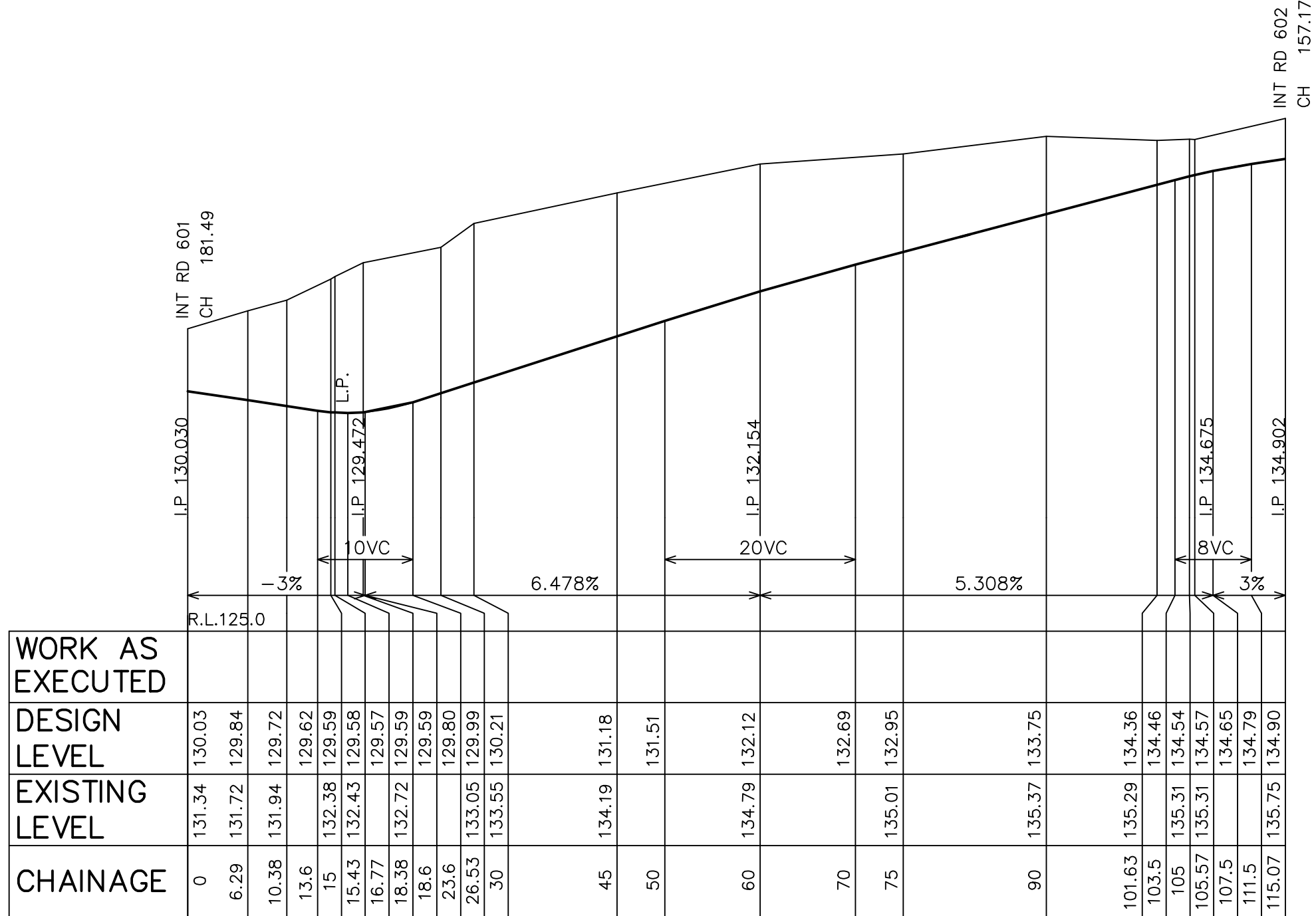
1. FINAL LONG SECTION DESIGNS SUBJECT TO REFINEMENT BASED ON FURTHER INVESTIGATION OF SERVICE LOCATIONS, ROCK DEPTHS AND EXISTING SERVICE LOCATIONS.



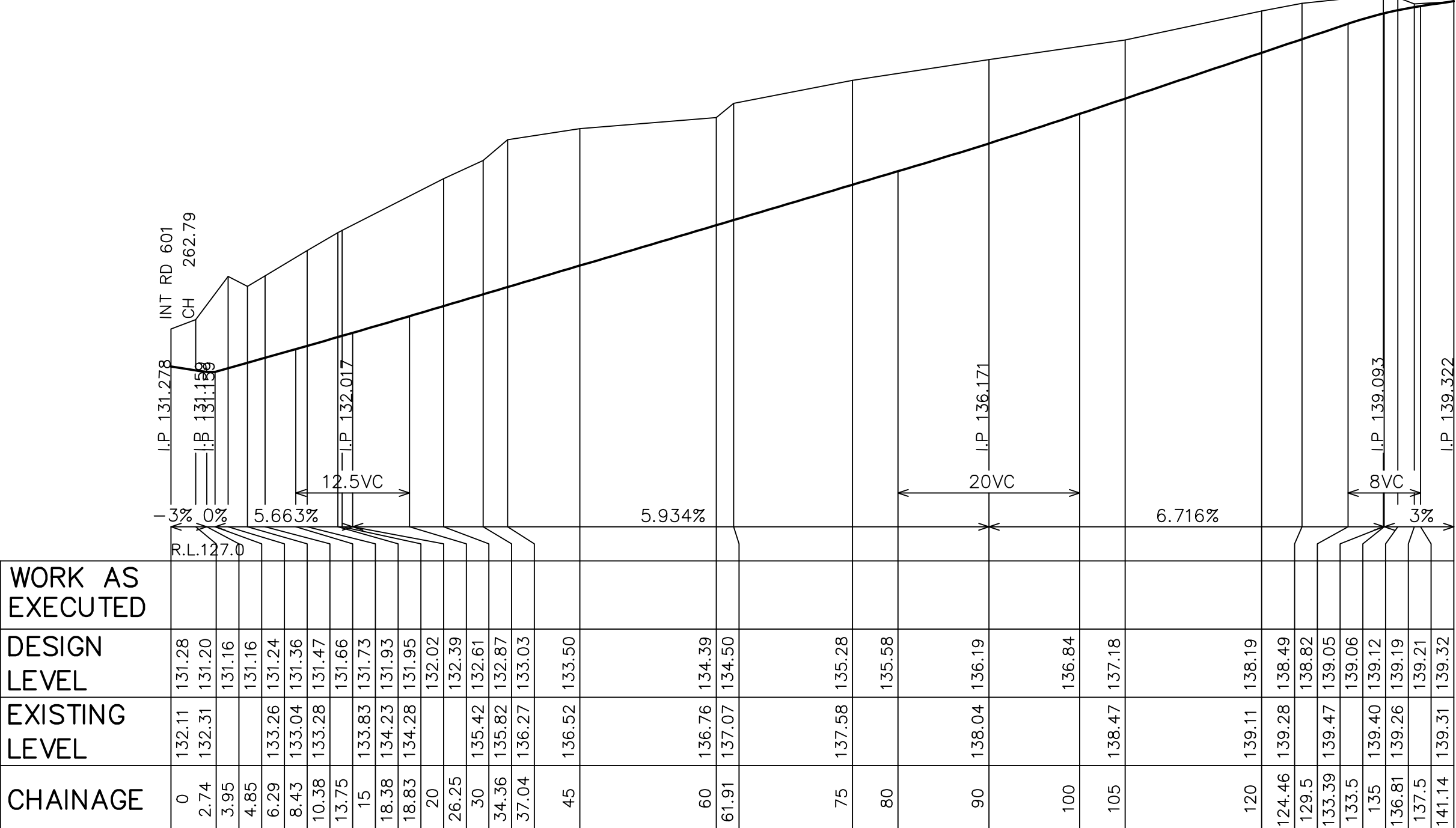
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NOTE: ROAD RESERVE & ALIGNMENT OF WATERHOUSE PLACE TO BE MAINTAINED BETWEEN ROAD No. 604 & MERINO CRESCENT
(REFER TO SHEET 5)

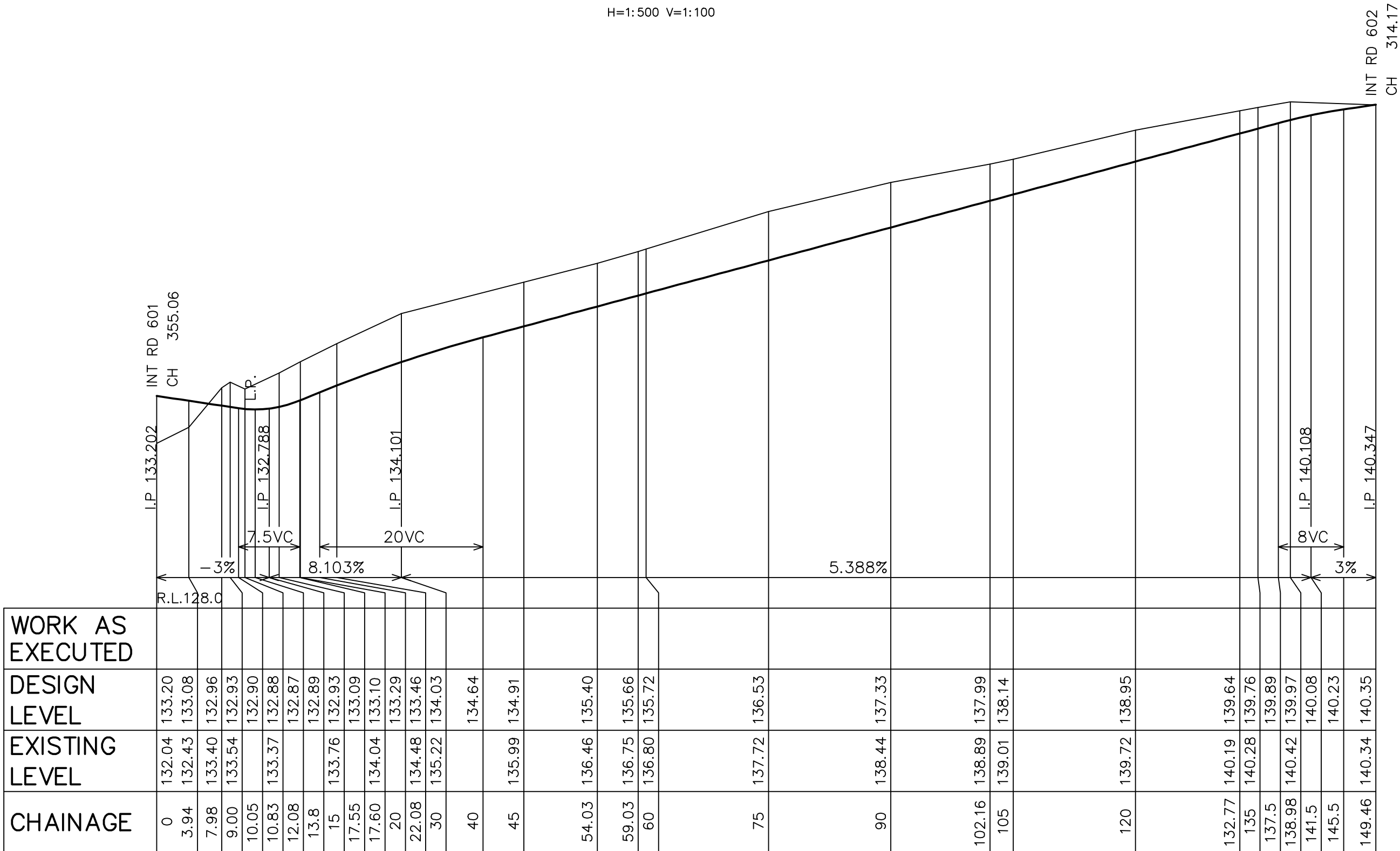
[10 20 30 40 50 Table of mm 100 110 120 130 140 150]						AMENDMENTS		A	B	C	D	Approvals				PROJECT MANAGER		SITE/STAGE: AIRDS BRADBURY STAGE 6		NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT	
DESIGN BY Reduction Ratio AS SHOWN						Date		16/06/2017	19/03/2018	09/04/2018		MANAGER PROJECT						LOCALITY: AIRDS & BRADBURY		LGA: CAMPBELLTOWN	
SURVEY BY YSCO GEOMATICS 4/114 HAMPDEN ROAD ARTARMON N.S.W. 2064						C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAC MERINO RBOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.								Date JUNE, 2017		FILE No.: P50392/3/DA-CIVIL_V1C					
CALC BY DATUM A.H.D.																ROAD No.602 (WATERHOUSE PLACE)				SHEET No. 7 OF 18 SHEETS	



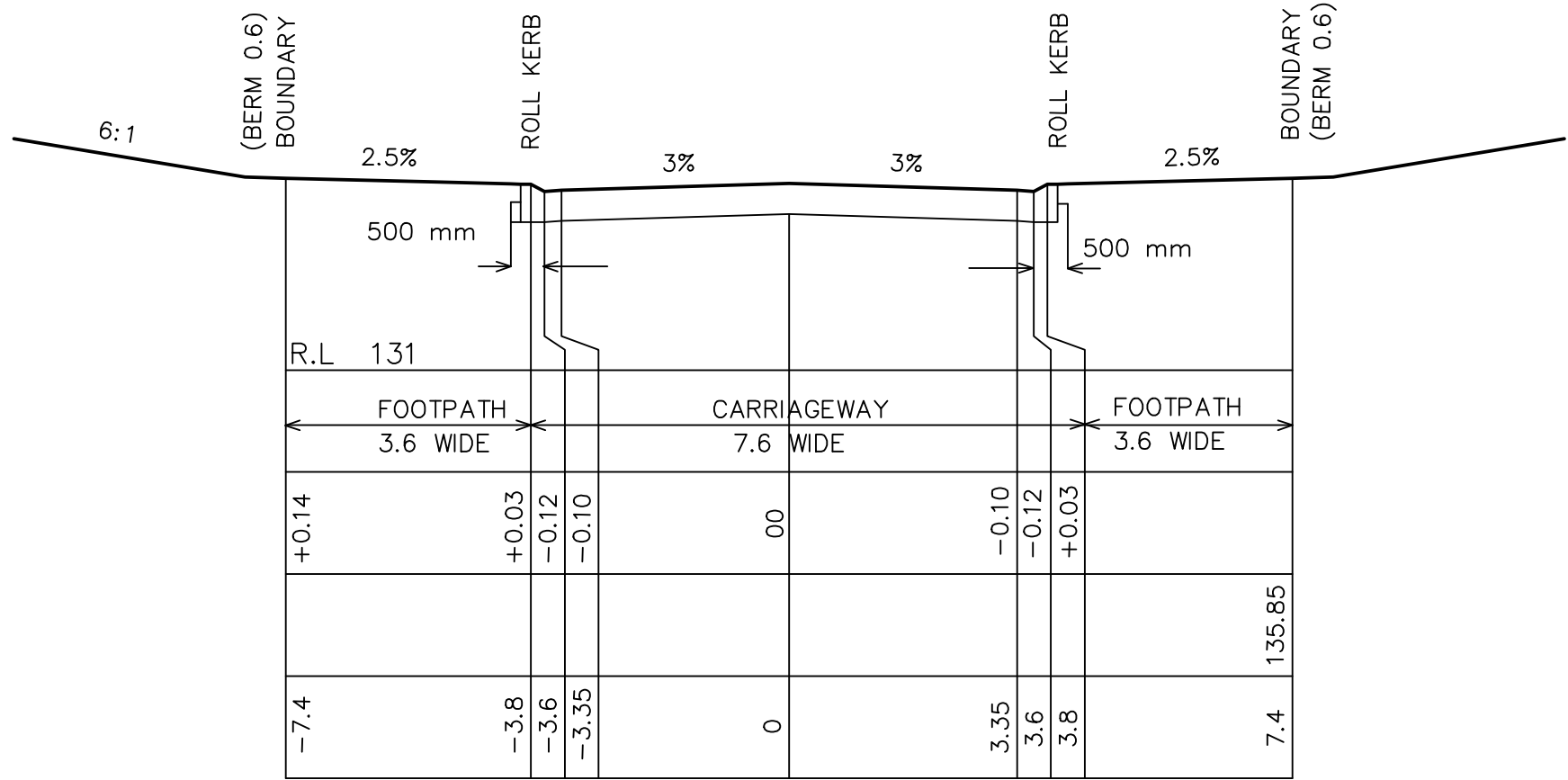
ROAD No. 603
H=1:500 V=1:100



ROAD No. 604
H=1:500 V=1:100



ROAD No. 605
H=1:500 V=1:100



TYPICAL SECTION
H=1:100 V=1:100
ROAD Nos. 603, 604 & 605

NOTES:
1. FINAL LONG SECTION DESIGNS SUBJECT TO REFINEMENT BASED ON FURTHER INVESTIGATION OF SERVICE LOCATIONS, ROCK DEPTHS AND EXISTING SERVICE LOCATIONS.



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10 20 30 40 50 Table of mm 100 110 120 130 140 150		AMENDMENTS				A				B				C				D				Approvals					PROJECT MANAGER				SITE/STAGE: AIRDS BRADBURY STAGE 6				NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT			
DESIGN BY		Reduction Ratio AS SHOWN				Date				16/06/2017				19/03/2018				09/04/2018				MANAGER PROJECT									LOCALITY: AIRDS & BRADBURY				LGA: CAMPBELLTOWN			
SURVEY BY YSCO GEOMATICS 4/114 HAMPDEN ROAD ARTARMON N.S.W. 2064		DATUM A.H.D.				C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAC MERINO RBOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.				Date				JUNE, 2017				FILE No.: P50392/3/DA-CIVIL_V10													PLAN No.: P50392/3/DA-CIVIL_V10							
CALC BY																		LONG SECTION & TYPICAL CROSS SECTION ROAD Nos. 603, 604 & 605				SHEET No. 8 OF 18 SHEETS																



NOTES.

- 1. PROBABLE 0.5 METRE FSL CONTOURS SHOWN THUS:
- 2. EXISTING SURFACE CONTOURS SHOWN THUS:
- 3. EXTENT OF CUT SHOWN THUS:
- 4. EXTENT OF FILL SHOWN THUS:
- 5. DA/STAGE BOUNDARY:

D. EARTHWORK VOLUMES:
CUT - 40,600 CUBIC. METRE.
FILL - 25,000 CUBIC METRE
(DESIGN TO EXISTING SURFACE MODEL)

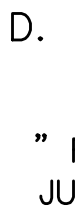
EXCESS MATERIAL BASED ON CURRENT DESIGN CONTOURS - 17,400 CUBIC METRES.
SUBJECT TO FURTHER REFINEMENT.



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SCALE: 1:1000

[10] [20] [30] [40] [50] Table of mm [100] [110] [120] [130] [140] [150]		AMENDMENTS				A				B				C				D				Approvals					PROJECT MANAGER				SITE/STAGE: AIRDS BRADBURY STAGE 6				NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT			
DESIGN BY		Reduction Ratio AS SHOWN				Date				16/06/2017				19/03/2018				09/04/2018				MANAGER PROJECT					LOCALITY: AIRDS & BRADBURY				LGA: CAMPBELLTOWN							
SURVEY BY		YSCO GEOMATICS 4/114 HAMPDEN ROAD				C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAC MERINO RBOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.				JUNE, 2017				FILE No.:				PLAN No.: P50392/3/DA-CIVIL_V1C																				
CALC BY		ARTARMON N.S.W. 2064												DATUM A.H.D.				PRELIMINARY CUT-FILL & SOIL & WATER MANAGEMENT PLAN				SHEET No. 9 OF 18 SHEETS																



5. DA/STAGE BOUNDARY: _____

(SUGGESTED FACILITIES LOCATIONS MAY VARY ON SITE AT THE DISCRETION OF THE SITE SUPERINTENDENT AND COUNCIL)



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1. THIS PLAN IS TO BE READ IN CONJUNCTION WITH ALL OTHER SHEETS OF THE PRELIMINARY D.A. ROAD AND DRAINAGE DESIGN.
2. ALL BARRIER FENCING, SEDIMENT FENCING AND DIVERSION BANKS ARE TO BE INSTALLED BEFORE COMMENCEMENT OF EARTHWORKS.
3. 1 METRE WIDE STRIP OF COUCH TURF TO BE LAID BEHIND ALL KERB AND GUTTERS IMMEDIATELY UPON COMPLETION OF FOOTPATH REGRADING.
4. ALL FACILITIES TO BE INSTALLED TO THE SATISFACTION OF COUNCIL'S ENGINEER AND LANDCOM SUPERINTENDENT.
5. THE WORKS INDICATED HEREIN ARE SCHEMATIC ONLY AND MAY REQUIRE ALTERATION TO SUIT SPECIFIC SITE CHARACTERISTICS.
6. ALL DISTURBED AREAS INCLUDING ANY AREAS INTENDED TO BE TEMPORARILY LEFT DISTURBED ARE TO BE SEEDED AND STABILISED IMMEDIATELY ON COMPLETION OF THE RELEVANT SITE WORKS OR AS DIRECTED BY LANDCOM'S SUPERINTENDENT.
7. STOCKPILES ARE TO BE MAXIMUM 2 HIGH.
8. DUST IS TO BE CONTROLLED BY WATERING, PROGRESSIVE RE-VEGETATION & MULCHING.
9. ALL STABILISED AREAS ARE TO BE WATERED TWICE WEEKLY UNTIL GROWTH IS ESTABLISHED.
10. A POLLUTION WARNING SIGN IS TO BE ERECTED AT ALL ENTRANCES TO THE SITE, AS FOLLOWS;

"WARNING UP TO \$1,500 FINE PAYABLE. IT IS ILLEGAL TO ALLOW SOIL, CEMENT SLURRY OR OTHER BUILDING MATERIALS TO ENTER, DRAIN OR BE PUMPED INTO THE STORMWATER SYSTEM. THE COUNCIL OF CAMDEN (02 4654 7777) – SOLUTION TO POLLUTION"

THE SIGN IS TO BE A MINIMUM 1200mm X 900mm. THE WARNING AND FINE STATEMENT IS TO BE A MINIMUM 120mm HIGH IN RED BOLD LETTERS. THE REMAINING WORDING IS TO BE A MINIMUM 60mm HIGH IN DARK LOWER CASE LETTERS. THE BACKGROUND IS TO BE WHITE AND ALL WORDING IS TO BE SURROUNDED WITH A RED BORDER.
11. ONE CONSTRUCTION ACCESS LOCATION TO BE ESTABLISHED FOR BOTH STAGES 1A & 1B. TO BE DESIGNATED ON FINAL PLANS TO BE SUBMITTED WITH CONSTRUCTION CERTIFICATE
12. APPROPRIATELY SIZED SEDIMENT BASINS TO BE ONE CONSTRUCTED WITHIN EACH STAGE. DETAILS TO BE SUBMITTED WITH FINAL ROAD & DRAINAGE DESIGN PLANS.

Approvals

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 **DIAL 1100**
BEFORE YOU DIG

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DATUM A.H.D.

AMENDMENTS	A	B	C	D
Date	16/06/2017	19/03/2018	09/04/2018	
C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAG MERINO RBOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.				



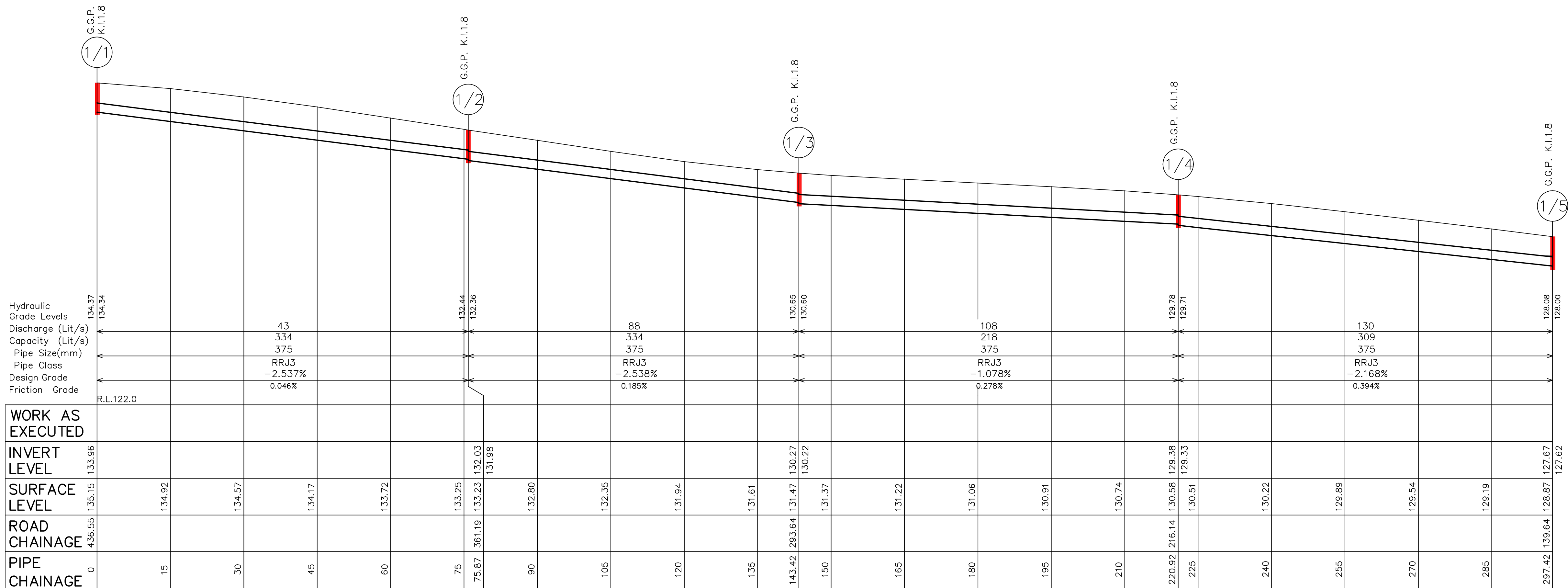
LANDCOM

JUNE, 2017

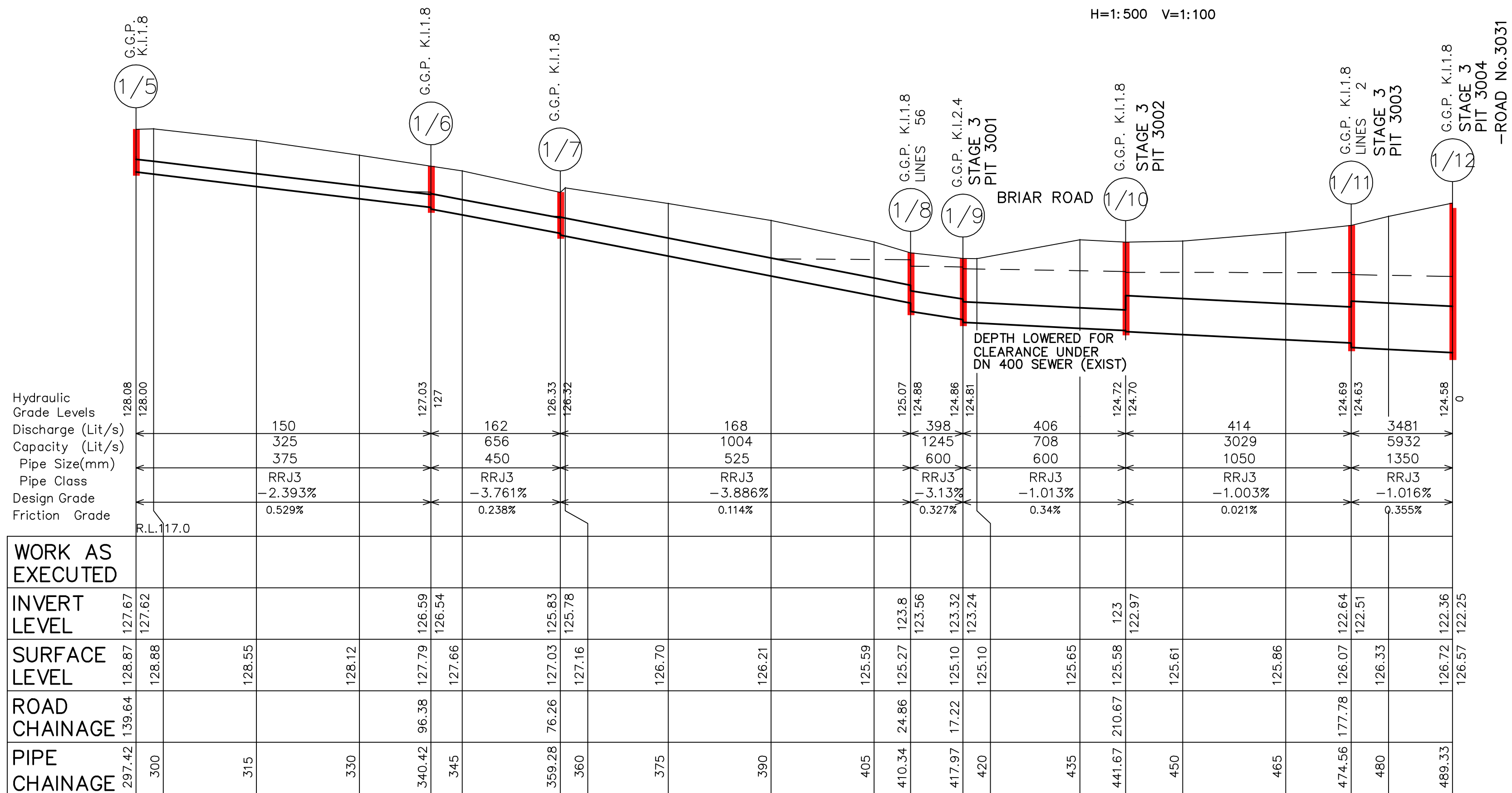
NAME: AIRDS BRADBURY URBAN
RENEWAL PROJECT
LGA: CAMPBELLTOWN
PLAN No.: P50392/3/DA-CIVIL_V1C

SHEET No. 10

OF 18 SHEETS



LINE.1
H=1:500 V=1:100

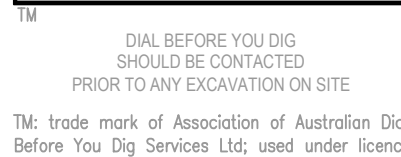
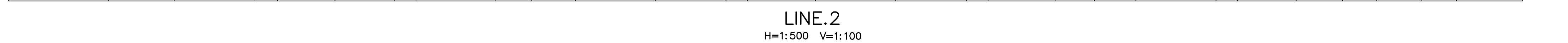
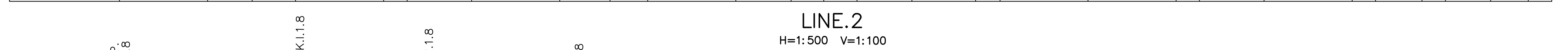


LINE.1
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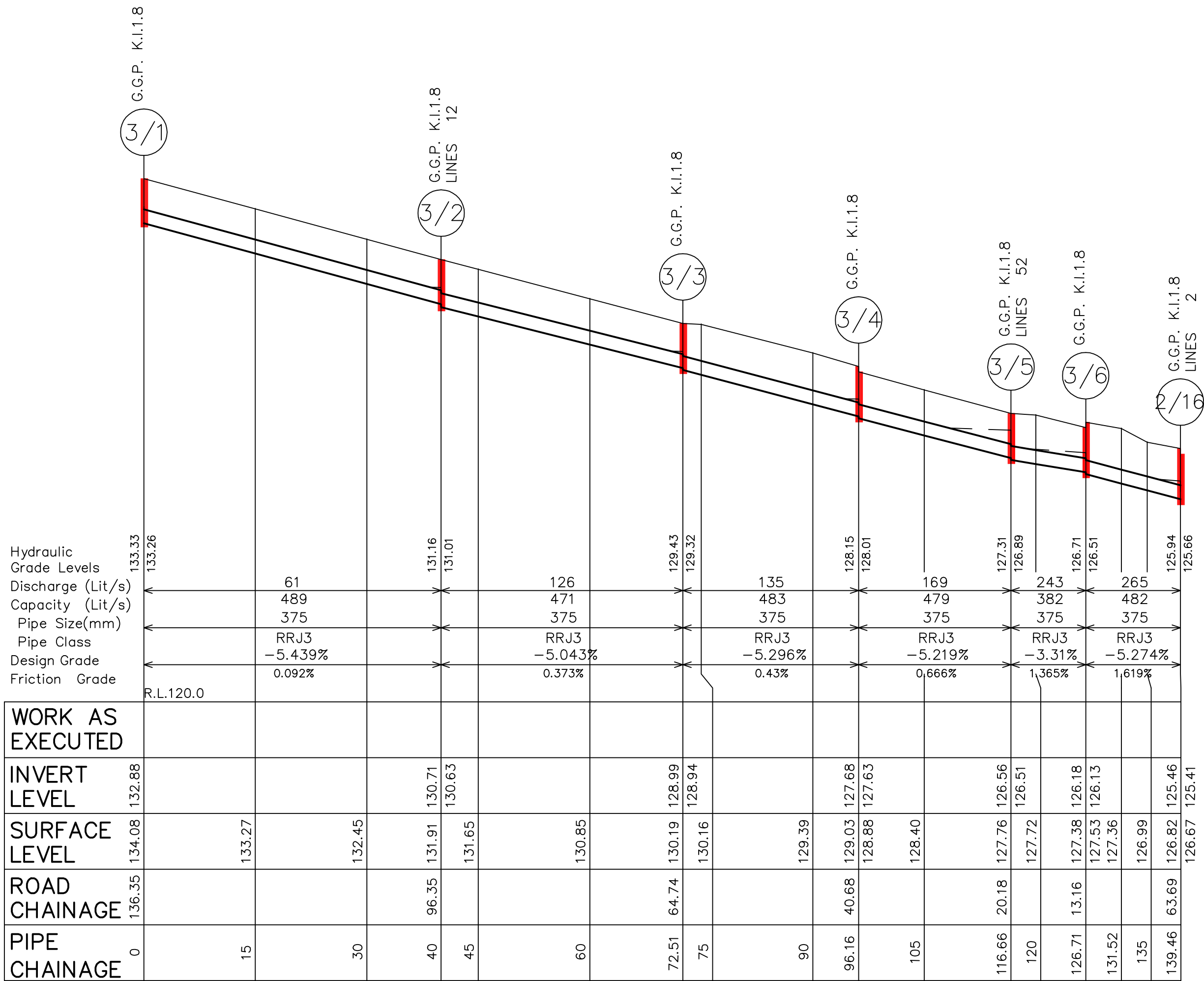


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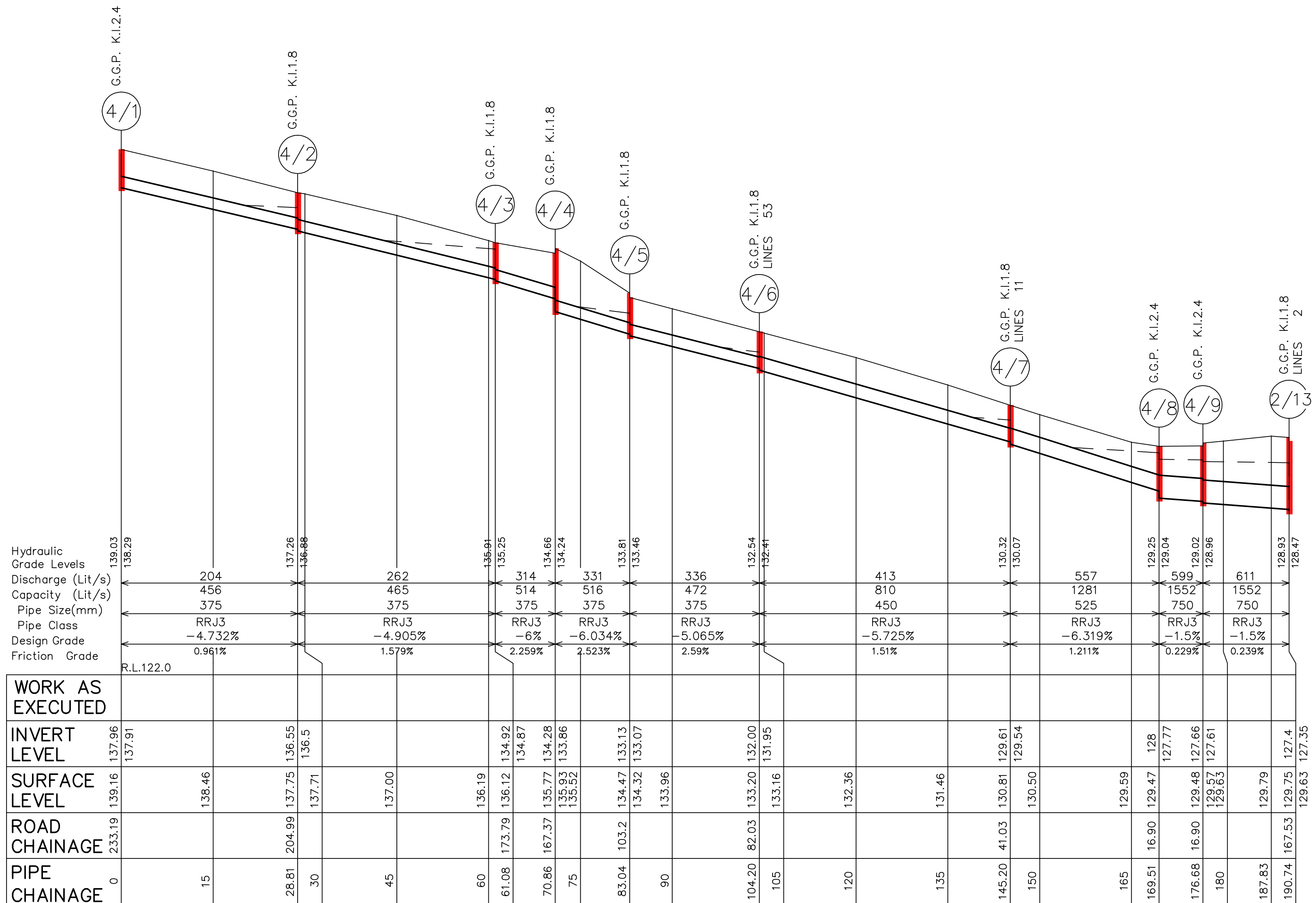
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SURVEY BY YSCO GEOMATICS 4/114 HAMPDEN ROAD ARTARMON N.S.W. 2064	DATUM A.H.D.	Date	16/06/2017	19/03/2018	09/04/2018		MANAGER PROJECT		LOCALITY: AIRDS & BRADBURY	LGA: CAMPBELLTOWN	PLAN No.: P50392/3/DA-CIVIL_V10
CALC BY		C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAC MERINO RBOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.							FILE No.:	LONGITUDINAL SECTION ROAD DRAINAGE LINE No.1	SHEET No. 12 OF 18 SHEETS



1:10 1:20 1:30 1:40 1:50 Table of mm 1:100 1:110 1:120 1:130 1:140 1:150		AMENDMENTS				A		B		C		D		Approvals				PROJECT MANAGER		SITE/STAGE: AIRDS BRADBURY STAGE 6		NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT	
DESIGN BY Reduction Ratio AS SHOWN		Date				16/06/2017		19/03/2018		09/04/2018				MANAGER PROJECT				LOCALITY: AIRDS & BRADBURY		LGA: CAMPBELLTOWN			
		C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAG MERINO ROUBT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.				MANAGER PROJECT		JUNE, 2017		LONGITUDINAL SECTION ROAD DRAINAGE LINE No.2		SHEET No. 13 OF 18 SHEETS											
SURVEY BY YSCO GEOMATICS 4/114 HAMPDEN ROAD ARTARMON N.S.W. 2064		DATUM A.H.D.																		FILE No.:		PLAN No.: P50392/3/DA-CIVIL_V1C	



LINE.3
H=1:500 V=1:100

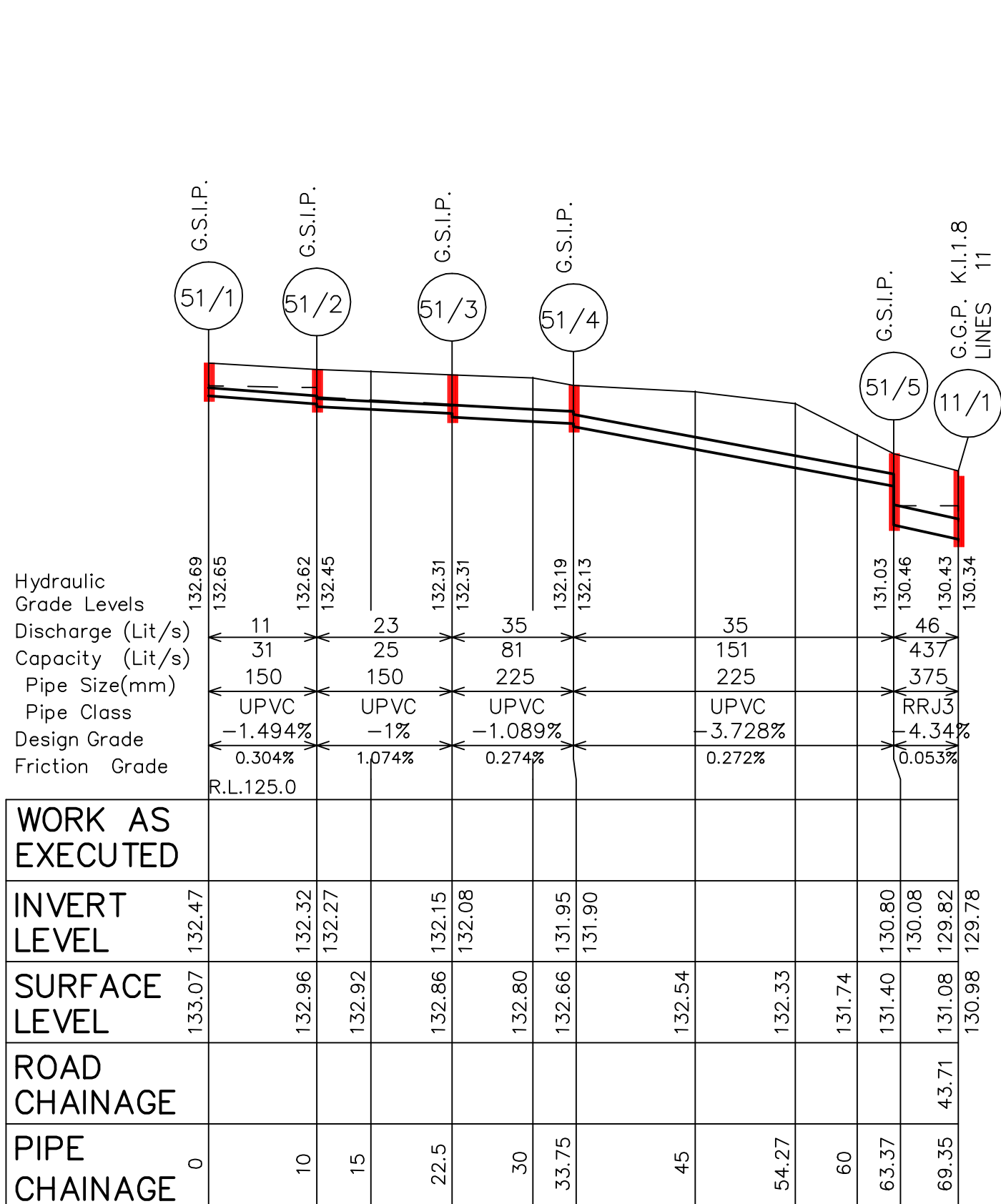


LINE.4
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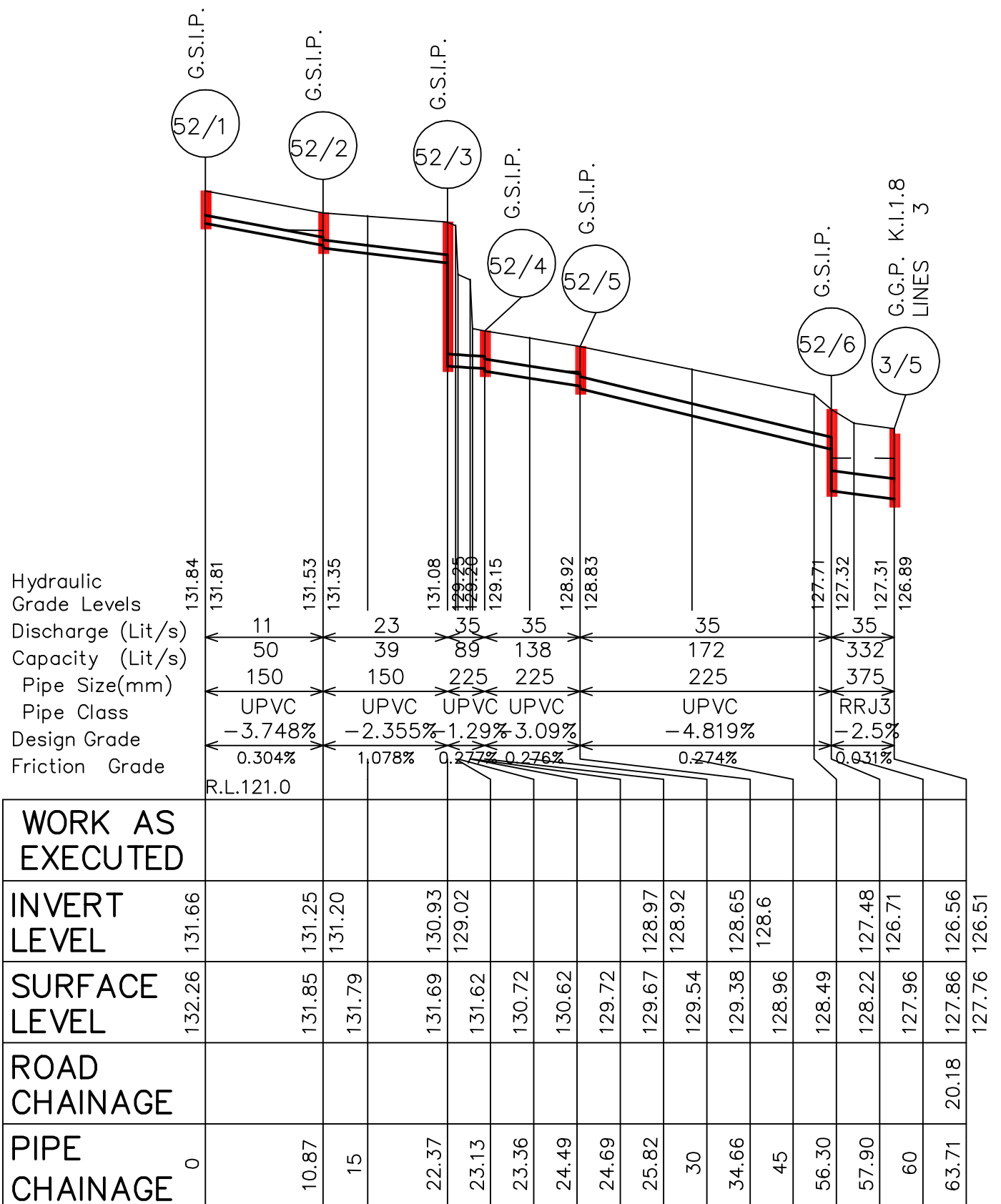


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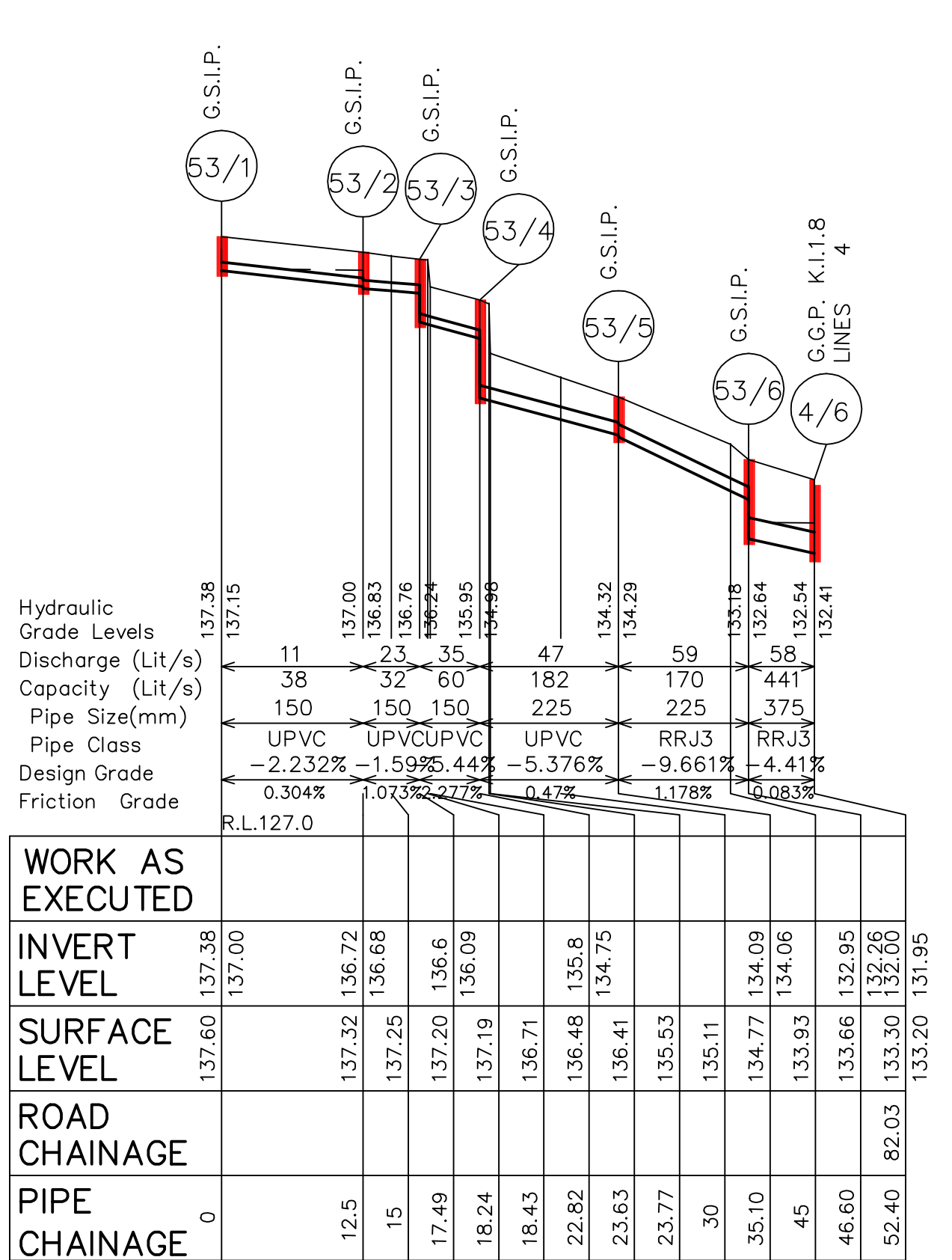
0 10 20 30 40 50 Table of mm 100 110 120 130 140 150						AMENDMENTS		A		B		C		D		Approvals			PROJECT MANAGER		SITE/STAGE: AIRDS BRADBURY STAGE 6		NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT	
DESIGN BY Reduction Ratio AS SHOWN						Date		16/06/2017		19/03/2018		09/04/2018				MANAGER PROJECT			Date JUNE, 2017		LOCALITY: AIRDS & BRADBURY		LGA: CAMPBELLTOWN	
SURVEY BY YSCO GEOMATICS 4/114 HAMPDEN ROAD						C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAC MERINO RBOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.						FILE No.: P50392/3/DA-CIVIL_V10		PLAN No.: P50392/3/DA-CIVIL_V10										
CALC BY ARTARMON N.S.W. 2064																								
DATUM A.H.D.																				LONGITUDINAL SECTIONS ROAD DRAINAGE LINE Nos. 3 & 4		SHEET No. 14 OF 18 SHEETS		



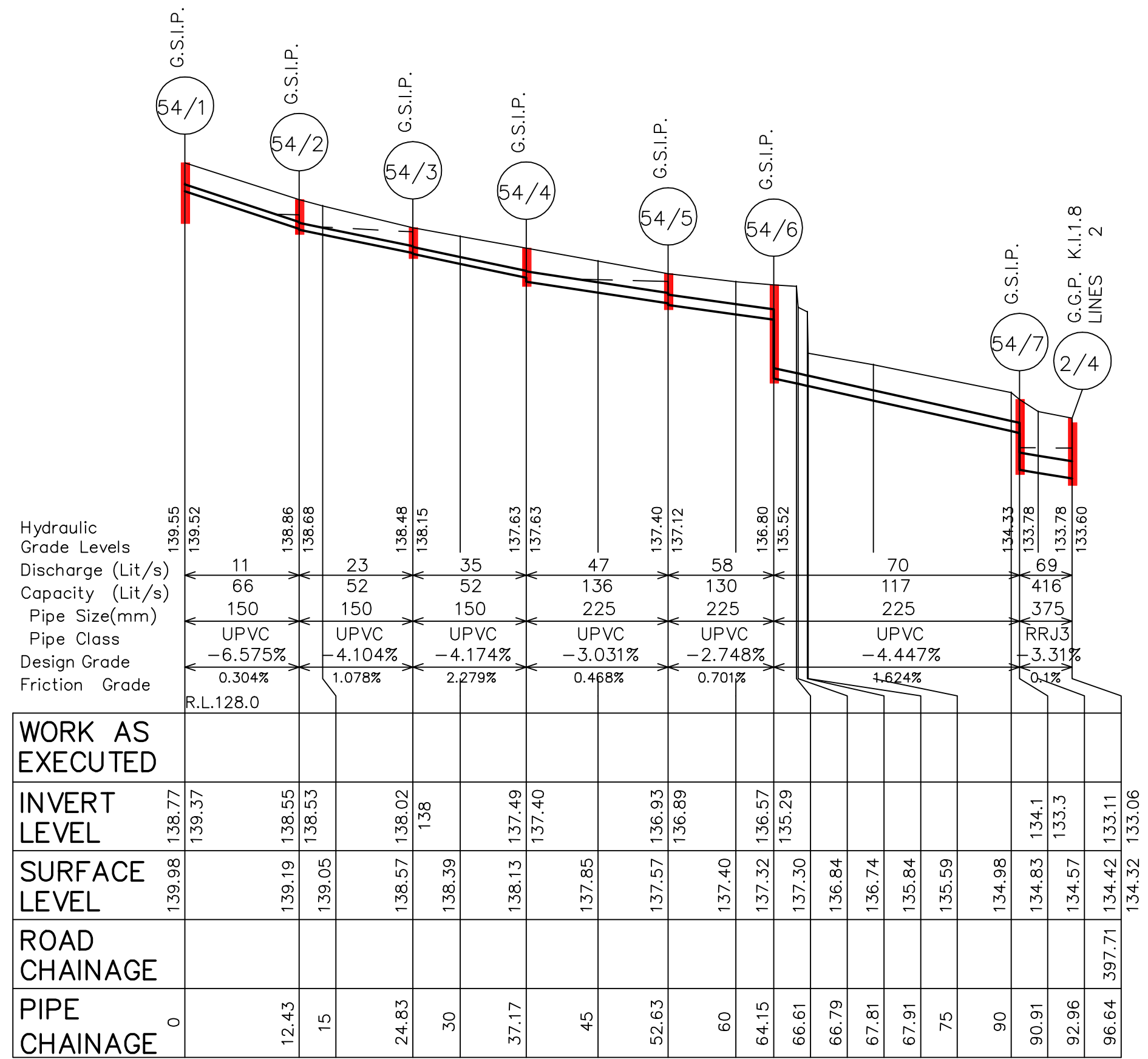
LINE.51
H=1:500 V=1:100



LINE.52
H=1:500 V=1:100




LINE.53
H=1:500 V=1:100

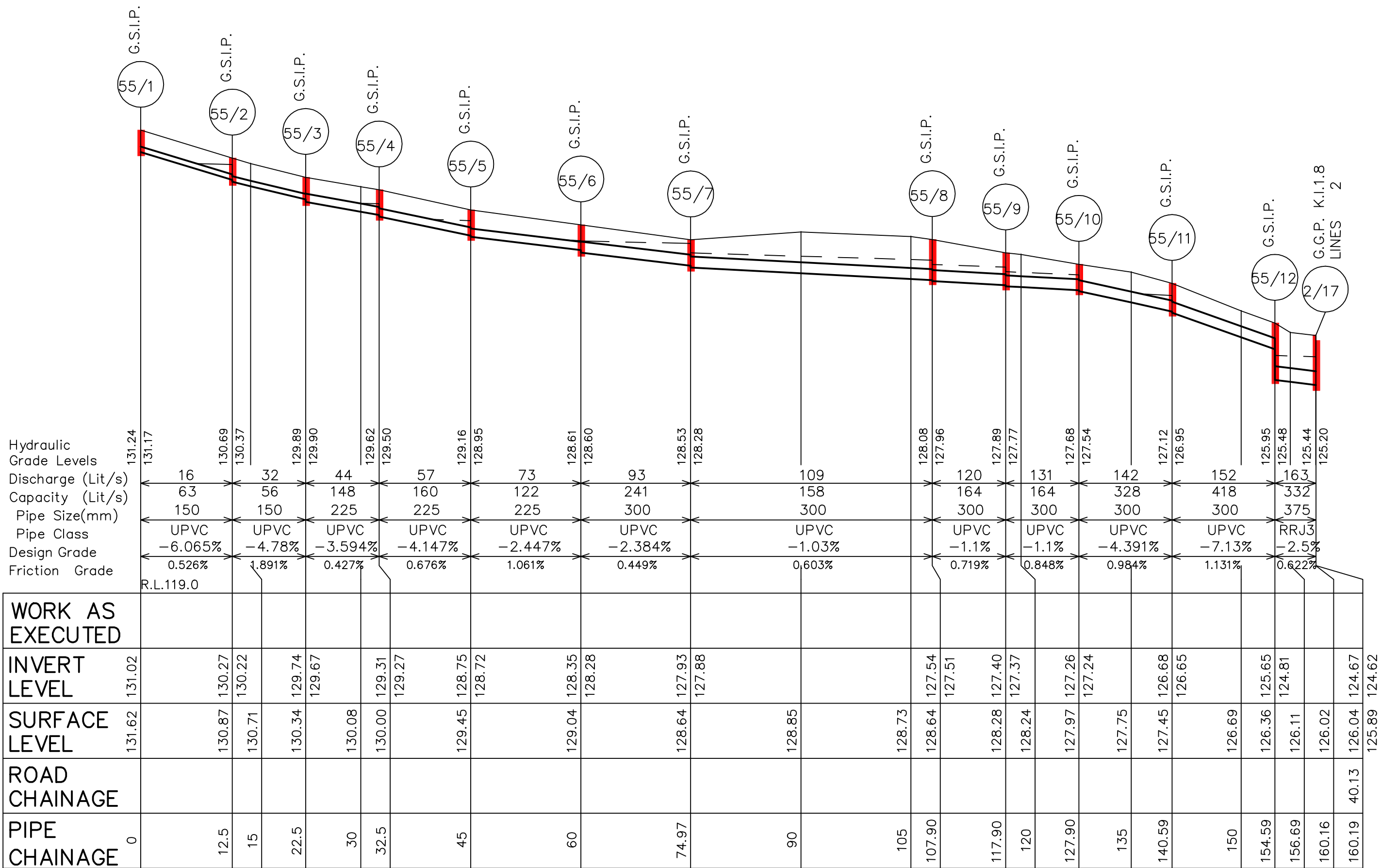


LINE.54
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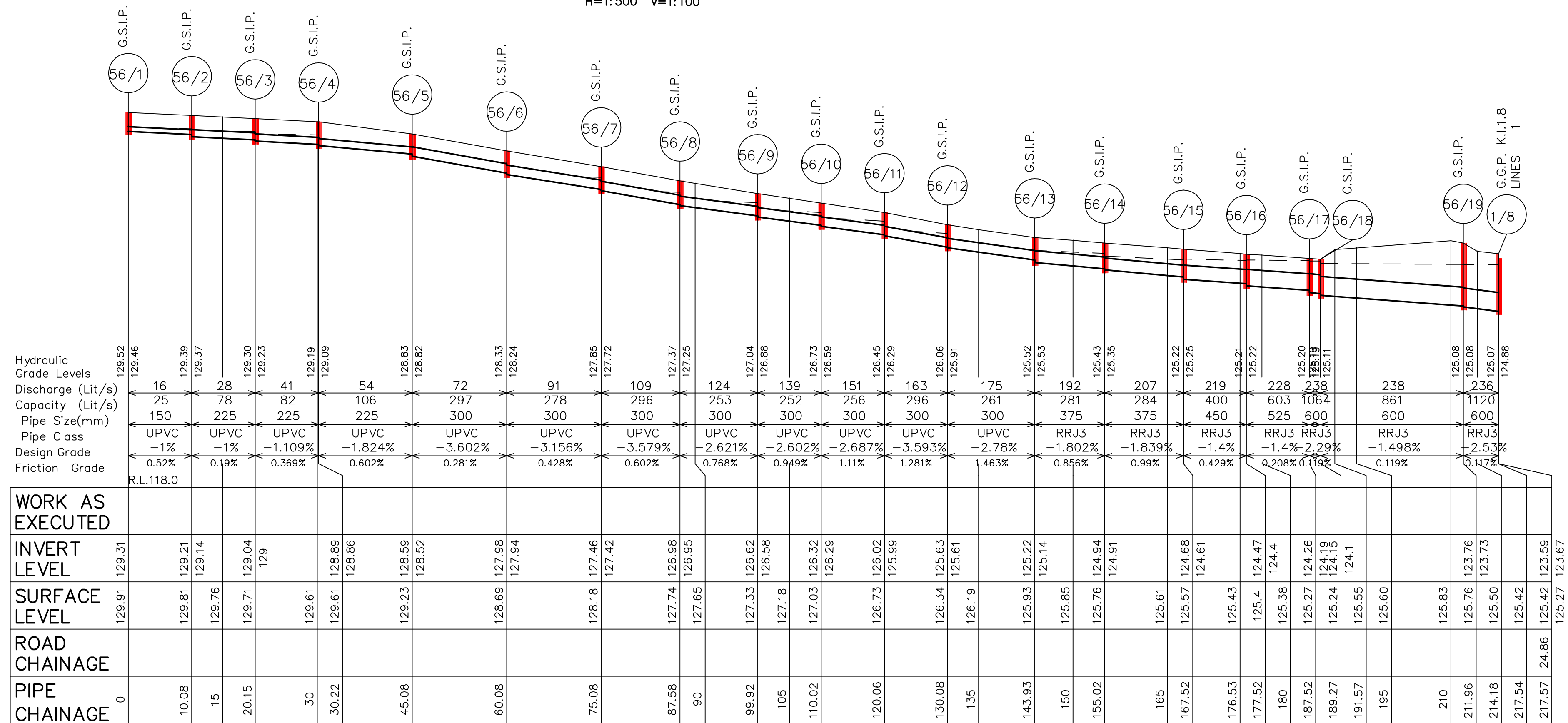


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[10] [20] [30] [40] [50] Table of mm [100] [110] [120] [130] [140] [150]		AMENDMENTS				A		B		C		D		Approvals				PROJECT MANAGER		SITE/STAGE: AIRDS BRADBURY STAGE 6		NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT	
DESIGN BY		Reduction Ratio AS SHOWN		Date		16/06/2017		19/03/2018		09/04/2018				LOCALITY: AIRDS & BRADBURY						LGA: CAMPBELLTOWN			
SURVEY BY YSCO GEOMATICS 4/114 HAMPDEN ROAD ARTARMON N.S.W. 2064				C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAC MERINO ABOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.								MANAGER PROJECT		FILE No.: P50392/3/DA-CIVIL_V1C						PLAN No.: P50392/3/DA-CIVIL_V1C			
CALC BY		DATUM A.H.D.														JUNE, 2017		INTERALLOTMENT DRAINAGE LONG SECTIONS - LINE Nos. 51 - 54 (INCLUSIVE)				SHEET No. 16 OF 18 SHEETS	



LINE.55
H=1:500 V=1:100

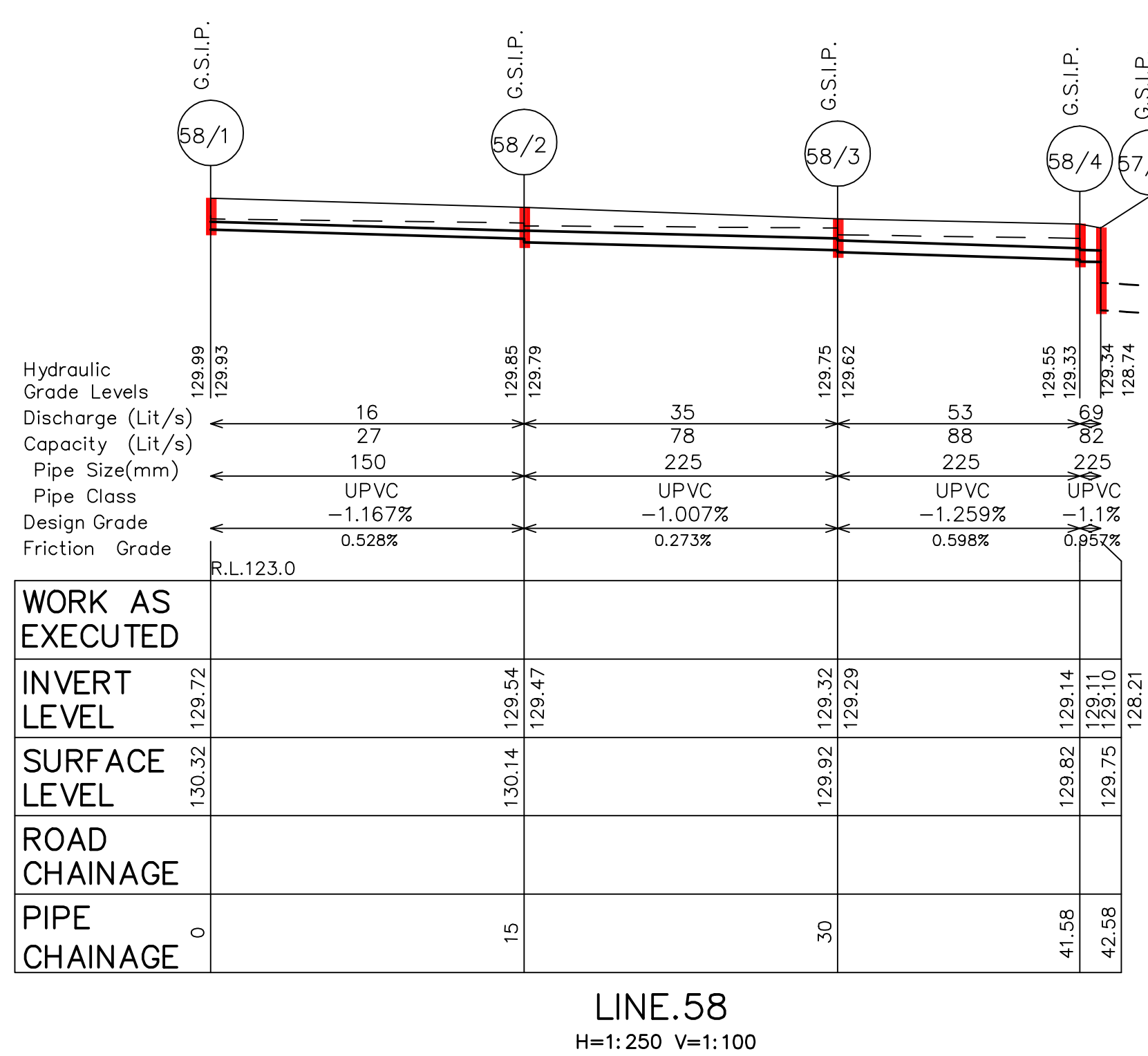
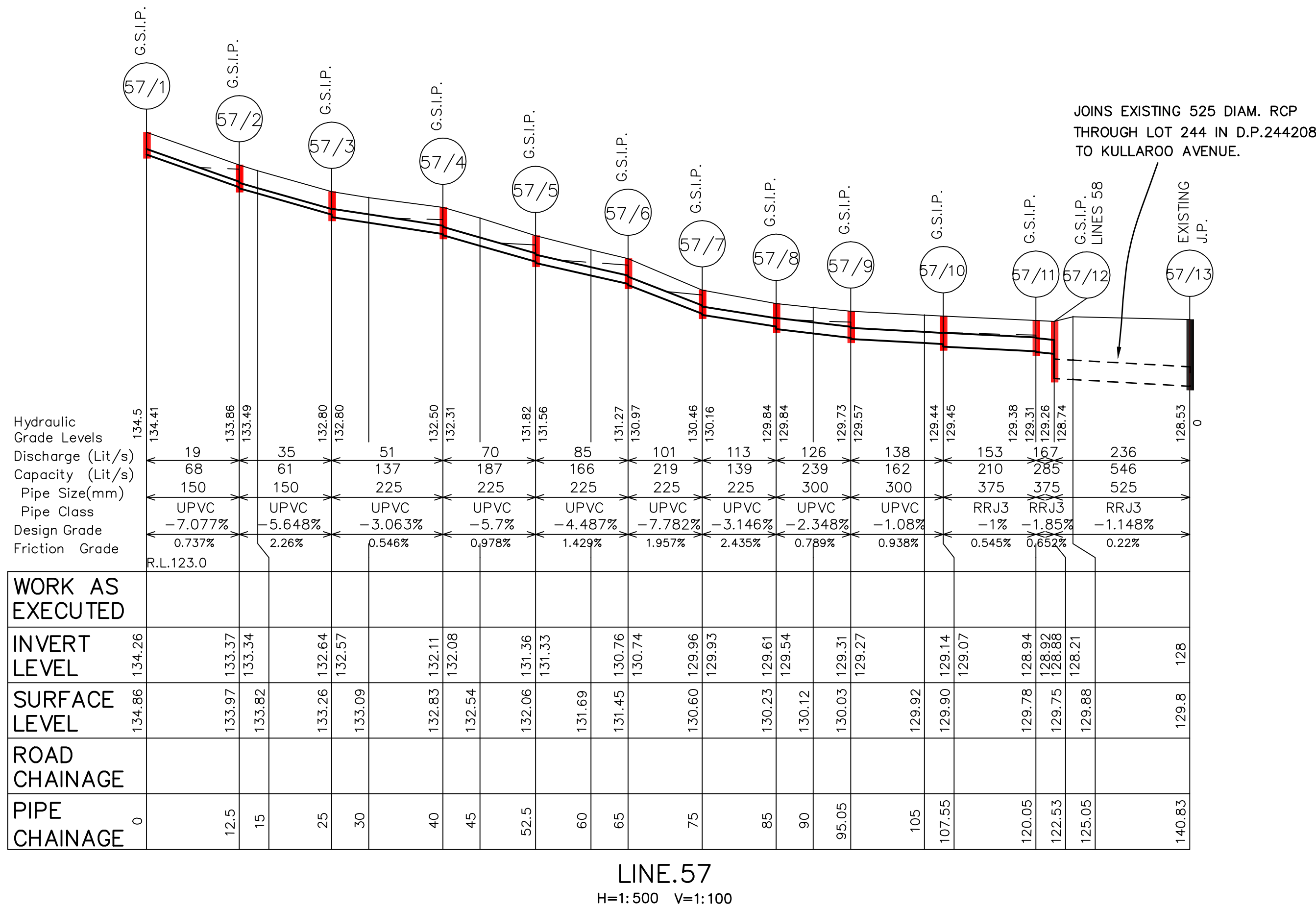


LINE.56
H=1:500 V=1:100



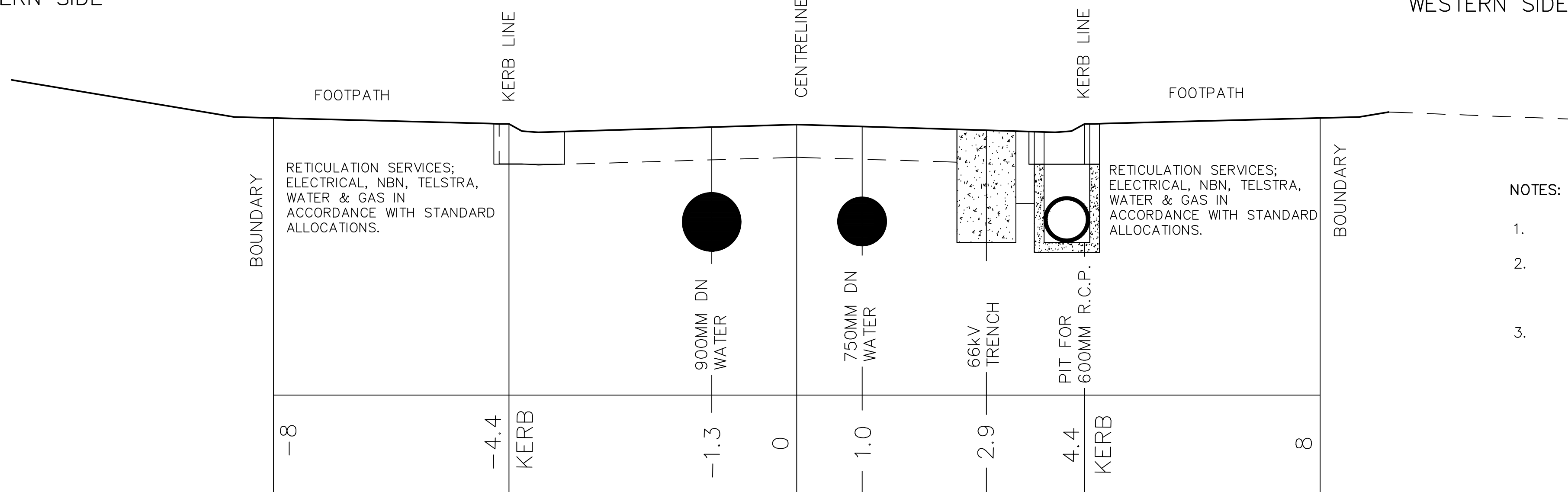
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[10] [20] [30] [40] [50] Table of mm [100] [110] [120] [130] [140] [150]		AMENDMENTS				A				B				C				D				Approvals								PROJECT MANAGER				SITE/STAGE: AIRDS BRADBURY STAGE 6				NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT			
DESIGN BY		Reduction Ratio AS SHOWN				Date				16/06/2017				19/03/2018				09/04/2018				MANAGER PROJECT								LOCALITY: AIRDS & BRADBURY				LGA: CAMPBELLTOWN							
SURVEY BY YSCO GEOMATICS 4/114 HAMPDEN ROAD ARTARMON N.S.W. 2064																						FILE No.:								PLAN No.: P50392/3/DA-CIVIL_V10											
CALC BY		DATUM A.H.D.				C: SITE DRAINAGE DETAILS AND SERVICE ALLOCATIONS B: STAGE 6 DRAINAGE VIA STAGE 3 (STORMWATER STRATEGY), TREATMENT SAC MERINO RBOUT, WESTERN BOUNDARY & RET.WALLS A: DRAINAGE TREATMENT WESTERN BOUNDARY.																Date				JUNE, 2017				INTERALLOTMENT DRAINAGE LONG SECTIONS - LINE Nos. 55-56 (INCLUSIVE)				SHEET No. 17 OF 18 SHEETS							



EASTERN SIDE

WESTERN SIDE



TYPICAL SECTION TRUNK SERVICE ARRANGEMENT – ROAD No.601
NORTHERN ELEVATION (LOOKING SOUTH TO MERINO CRESCENT)



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[10 20 30 40 50 Table of mm 100 110 120 130 140 150]		AMENDMENTS				A				B				C				D				Approvals									PROJECT MANAGER				SITE/STAGE: AIRDS BRADBURY STAGE 6				NAME: AIRDS BRADBURY URBAN RENEWAL PROJECT			
DESIGN BY		Reduction Ratio AS SHOWN		Date				16/06/2017				19/03/2018				09/04/2018												LOCALITY: AIRDS & BRADBURY				LGA: CAMPBELLTOWN										
SURVEY BY		YSCO GEOMATICS 4/114 HAMPDEN ROAD ARTARMON N.S.W. 2064																						MANAGER PROJECT				FILE No.:				PLAN No.: P50392/3/DA-CIVIL_V1C										
CALC BY		DATUM A.H.D.																										JUNE, 2017				INTERALLOTMENT DRAINAGE-LINE Nos.51 TO 54 (INCL.) & SERVICE ALLOCATIONS				SHEET No. 18 OF 18 SHEETS						