

14 - 16 HILL ROAD, WENTWORTH POINT

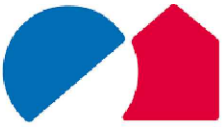
CIVIL ENGINEERING PACKAGE



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DRAWING SCHEDULE	
DRG No.	DRAWING TITLE
DA01.01	COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE
DA02.01	CONCEPT SEDIMENT AND EROSION CONTROL PLAN
DA02.11	SEDIMENT AND CONTROL DETAILS
DA03.01	BULK EARTHWORKS PLAN
DA03.11	CUT AND FILL SECTIONS - SHEET 01
DA03.12	CUT AND FILL SECTIONS - SHEET 02
DA04.01	GENERAL ARRANGEMENT PLAN
DA04.11	SITWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 01
DA04.12	SITWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 02
DA04.13	SITWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 03
DA05.01	CATCHMENT PLAN
DA05.11	SITE OVERLAND FLOW PLAN
DA05.12	DIVERSION BUND LONGITUDINAL SECTIONS - SHEET 01
DA05.13	DIVERSION BUND LONGITUDINAL SECTIONS - SHEET 02
DA05.14	DIVERSION BUND 01 CROSS SECTIONS - SHEET 01
DA05.15	DIVERSION BUND 01 CROSS SECTIONS - SHEET 02
DA05.16	DIVERSION BUND 02 CROSS SECTIONS
DA05.17	DIVERSION SWALE LONGITUDINAL SECTIONS - SHEET 01
DA05.18	DIVERSION SWALE LONGITUDINAL SECTIONS - SHEET 02
DA05.19	DIVERSION SWALE 01 CROSS SECTIONS - SHEET 01
DA05.20	DIVERSION SWALE 01 & 02 CROSS SECTIONS - SHEET 02
DA07.01	TYPICAL ROAD SECTIONS - SHEET 01
DA07.02	TYPICAL ROAD SECTIONS - SHEET 02
DA07.03	TYPICAL ROAD SECTIONS - SHEET 03
DA07.04	TYPICAL ROAD SECTIONS - SHEET 04
DA08.01	ROAD LONGITUDINAL SECTIONS - MC01
DA08.02	ROAD LONGITUDINAL SECTIONS - MC02
DA08.03	ROAD LONGITUDINAL SECTIONS - MC03
DA08.21	SWALE LONGITUDINAL SECTIONS
DA10.01	DETAILS - SHEET 01
DA10.02	DETAILS - SHEET 02
DA11.01	RETAINING WALL ALIGNMENT PLAN
DA11.11	RETAINING WALL ELEVATIONS SHEET 01 OF 03
DA11.12	RETAINING WALL ELEVATIONS SHEET 02 OF 03
DA11.13	RETAINING WALL ELEVATIONS SHEET 03 OF 03

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT
02	ISSUED FOR CLIENT REVIEW	JO		BL	30.08.17	SEKISUI HOUSE DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED
03	ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	31.08.17	
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	20.11.17	
05	CAR PARKING ARRANGEMENT UPDATED	JO		BL	19.01.18	
06	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18	
07	FINAL ISSUE FOR DEVELOPMENT APPLICATION	AM		BL	16.04.18	



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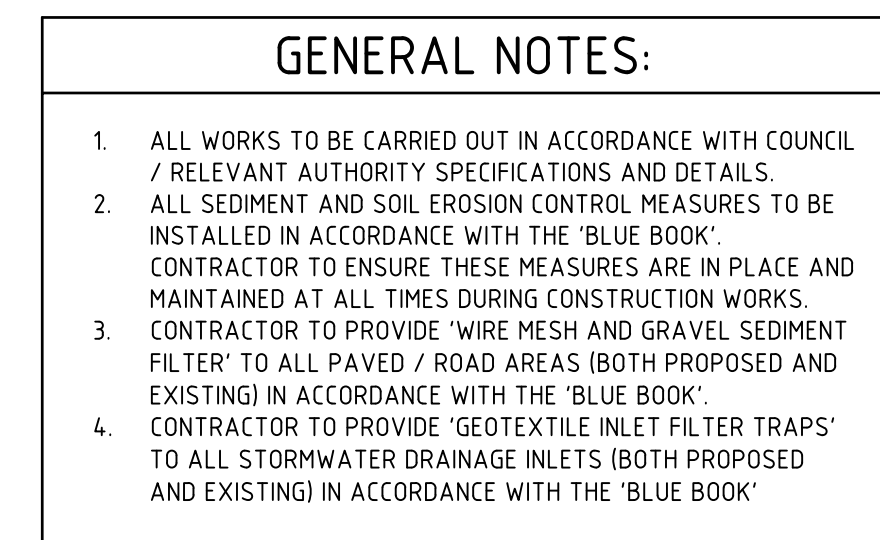


PROJECT
14 - 16 HILL ROAD, WENTWORTH POINT

DRAWING TITLE
CIVIL ENGINEERING PACKAGE
COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE

JOB NUMBER	DRAWING NUMBER	REVISION
170973	DA01.01	07
DRAWING SHEET SIZE = A1		

NOT FOR CONSTRUCTION



DRAWN: J.O DESIGNED: B.LAWRENCE JOB MANAGER: B.LAWRENCE VERIFIER:

JOB NUMBER	
170973	
DRAWING NUMBER	REVISION
DA02.01	05
DRAWING SHEET SIZE = A1	



- STOCKPILES (SD 4-1)



- NOTE: ONLY TO BE USED AS TEMPORARY BANK
WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.
- DRAINAGE SWALE - LOW FLOW (SD 5-5)**



- SEDIMENT FENCE (SD 6-8)



- GEOTEXTILE INLET FILTER (SD 6-12)



- MESH AND GRAVEL INLET FILTER (SD 6-11)



- STABILISED SITE ACCESS (SD 6-14)

CLIENT
DRAW



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**14 - 16 HILL ROAD,
WENTWORTH POINT**

DRAWING TITLE

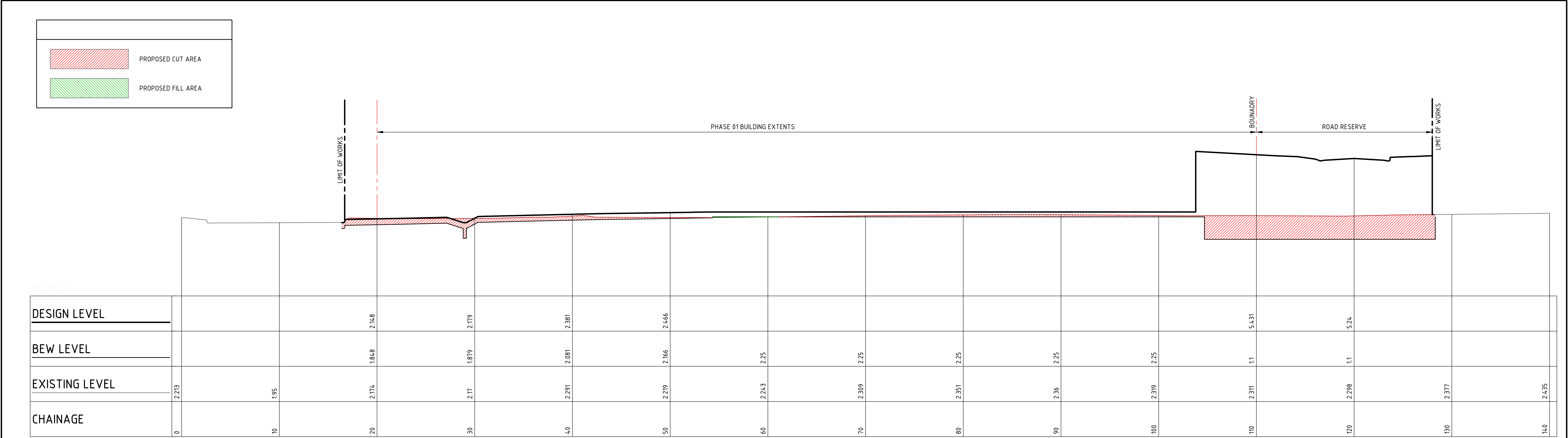
CIVIL ENGINEERING PACKAGE

SEDIMENT AND CONTROL

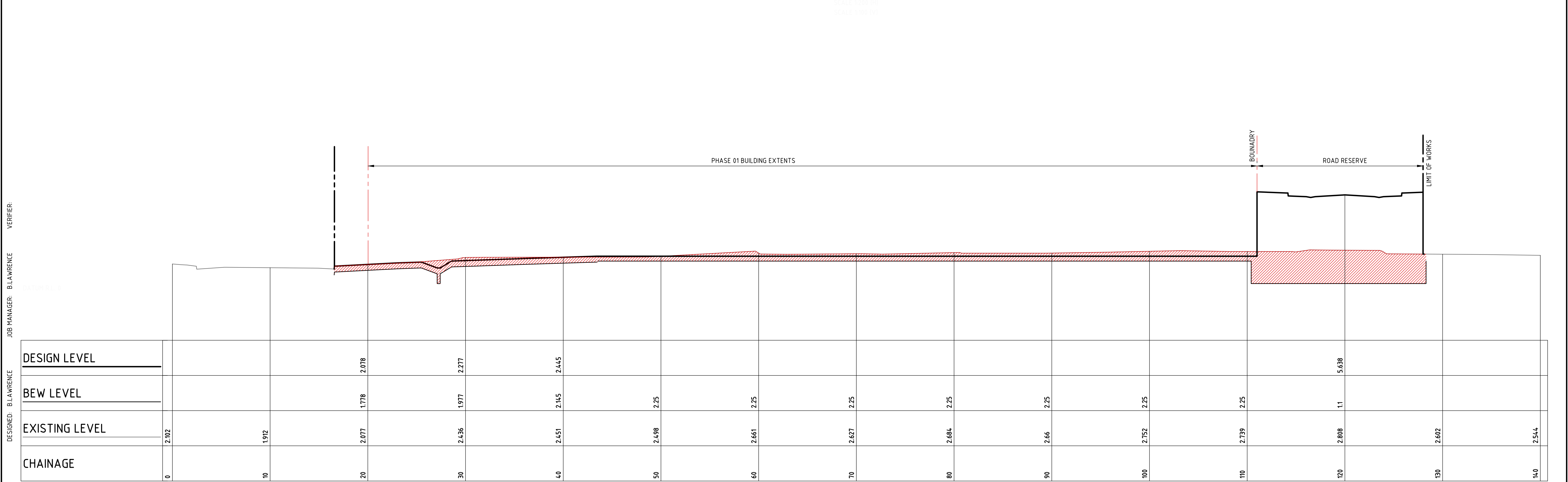
DETAILS

JOB NUMBER		170973	
DRAWING NUMBER		REVISION	
DA02.11		05	
DRAWING SHEET SIZE = A1			

NOT FOR CONSTRUCTION



LONGITUDINAL SECTION CENTRELINE - SECTION 02

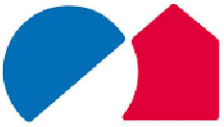


LONGITUDINAL SECTION CENTRELINE - SECTION 03

DRAWN: JO

DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR COORDINATION	JO		BL	25.08.17
02	ISSUED FOR CLIENT REVIEW	JO		BL	30.08.17
03	ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	31.08.17
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05	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18
06	FINAL ISSUE FOR DEVELOPMENT APPLICATION	AM		BL	16.04.18



SEKISUI HOUSE

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ARCHITECT

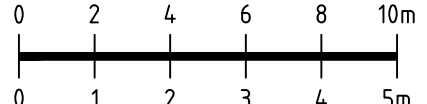


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SCALE 1:200 @ A1
SCALE 1:100 @ A1





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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

14 - 16 HILL ROAD,
WENTWORTH POINT

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

CUT AND FILL SECTIONS
- SHEET 02

JOB NUMBER

170973

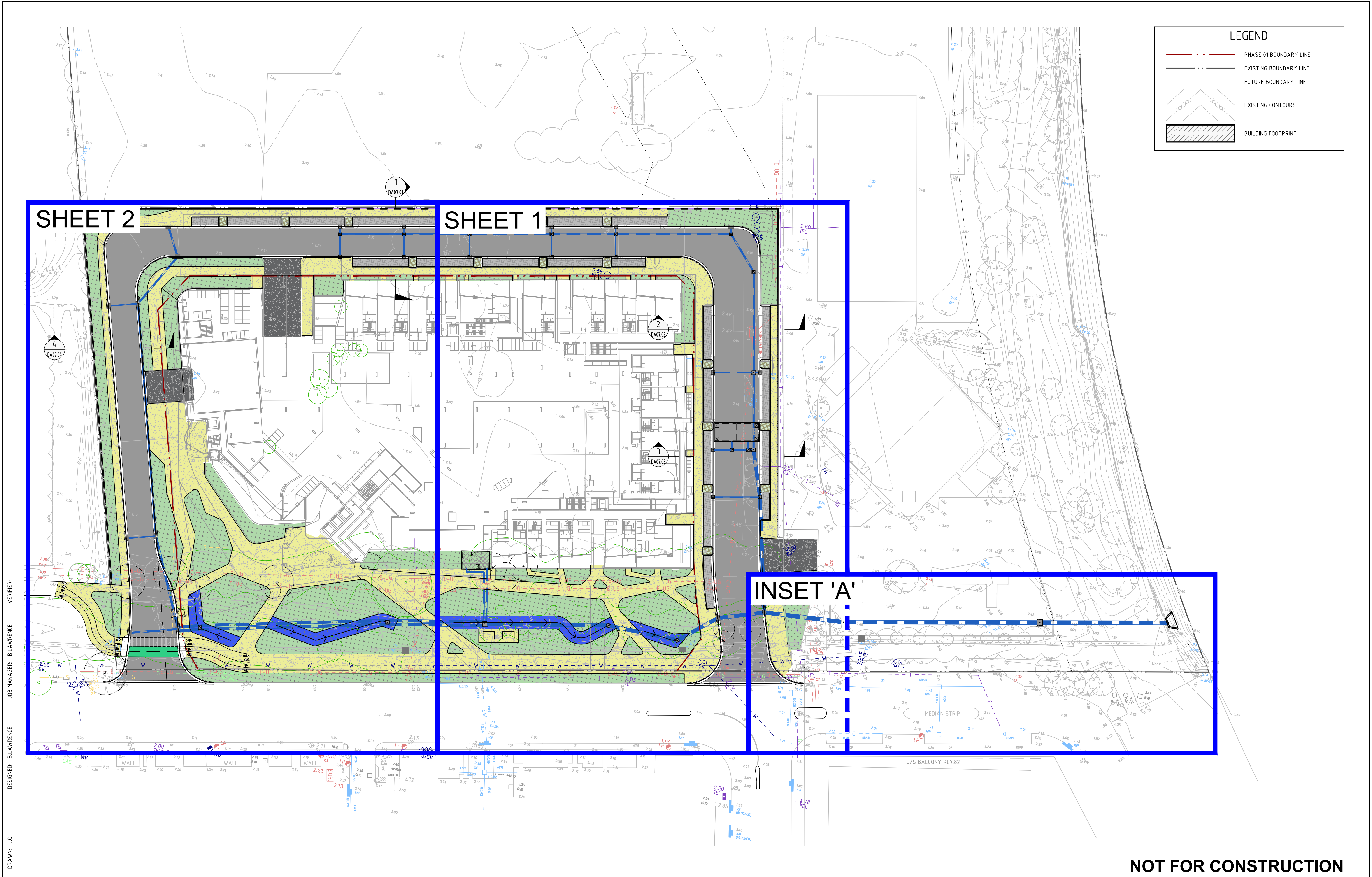
DRAWING NUMBER

DA03.12

REVISION

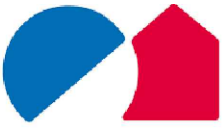
06

DRAWING SHEET SIZE = A1



DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:
DRAWN: JO

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT
02	ISSUED FOR CLIENT REVIEW	JO	BL	30.08.17		
03	ISSUED FOR DEVELOPMENT APPLICATION	JO	BL	31.08.17		
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05	CAR PARKING ARRANGEMENT UPDATED	JO	BL	19.01.18		
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SCALE 1:400 @ A1



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PROJECT

**14 - 16 HILL ROAD,
WENTWORTH POINT**

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

GENERAL ARRANGEMENT PLAN

JOB NUMBER

170973

DRAWING NUMBER

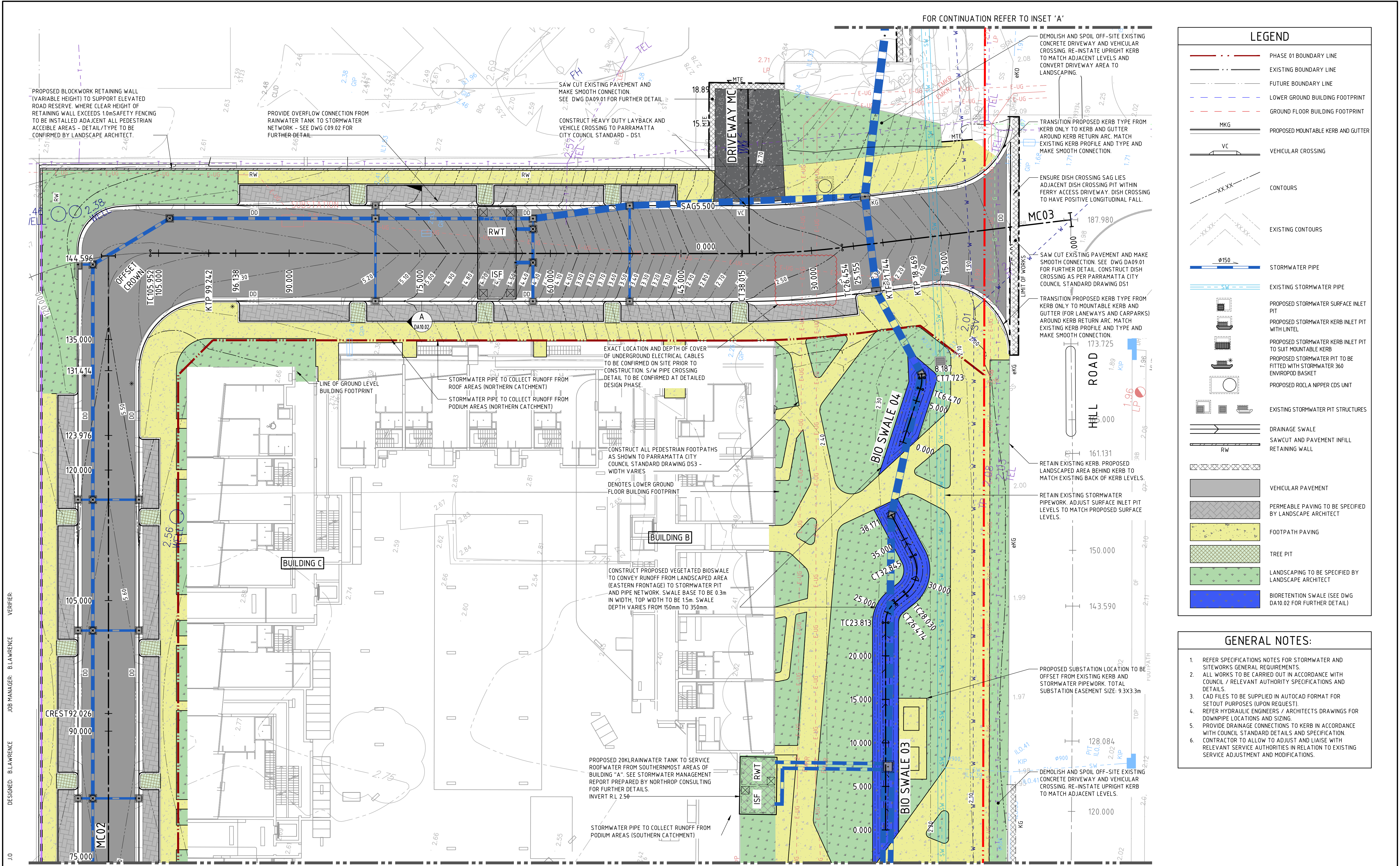
DA04.01

REVISION

06

DRAWING SHEET SIZE = A1

NOT FOR CONSTRUCTION



LEGEND

PHASE 01 BOUNDARY LINE

EXISTING BOUNDARY LINE

FUTURE BOUNDARY LINE

LOWER GROUND BUILDING FOOTPRINT

GROUND FLOOR BUILDING FOOTPRINT

PROPOSED MOUNTABLE KERB AND GUTTER

VEHICULAR CROSSING

CONTOURS

EXISTING CONTOURS

STORMWATER PIPE

EXISTING STORMWATER PIPE

PROPOSED STORMWATER SURFACE INLET PIT

PROPOSED STORMWATER KERB INLET PIT WITH LINTEL

PROPOSED STORMWATER KERB INLET PIT TO SUIT MOUNTABLE KERB

PROPOSED STORMWATER PIT TO BE FITTED WITH STORMWATER 360 ENVIROPOD BASKET

PROPOSED ROCLA NIPPER CDS UNIT

EXISTING STORMWATER PIT STRUCTURES

DRAINAGE SWALE

SAWCUT AND PAVEMENT INFILL RETAINING WALL

VEHICULAR PAVEMENT

PERMEABLE PAVING TO BE SPECIFIED BY LANDSCAPE ARCHITECT

FOOTPATH PAVING

TREE PIT

LANDSCAPING TO BE SPECIFIED BY LANDSCAPE ARCHITECT

BIORETENTION SWALE (SEE DWG DA10.02 FOR FURTHER DETAIL)

- GENERAL NOTES:**
1. REFER SPECIFICATIONS NOTES FOR STORMWATER AND SITEWORKS GENERAL REQUIREMENTS.

2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.

3. CAD FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).

4. REFER HYDRAULIC ENGINEERS / ARCHITECTS DRAWINGS FOR DOWNPIPE LOCATIONS AND SIZING.

5. PROVIDE DRAINAGE CONNECTIONS TO KERB IN ACCORDANCE WITH COUNCIL STANDARD DETAILS AND SPECIFICATION.

6. CONTRACTOR TO ALLOW TO ADJUST AND LIAISE WITH RELEVANT SERVICE AUTHORITIES IN RELATION TO EXISTING SERVICE ADJUSTMENT AND MODIFICATIONS.

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT
03	ISSUED FOR DEVELOPMENT APPLICATION	JO	BL	31.08.17		
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO	BL	20.11.17		
05	CAR PARKING ARRANGEMENT UPDATED	JO	BL	19.01.18		
06	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM	BL	05.03.18		
07	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM	BL	03.04.18		
08	FINAL ISSUE FOR DEVELOPMENT APPLICATION	AM	BL	16.04.18		

SEKISUI HOUSE

TURNER

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PROJECT

14 - 16 HILL ROAD, WENTWORTH POINT

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 01

JOB NUMBER

170973

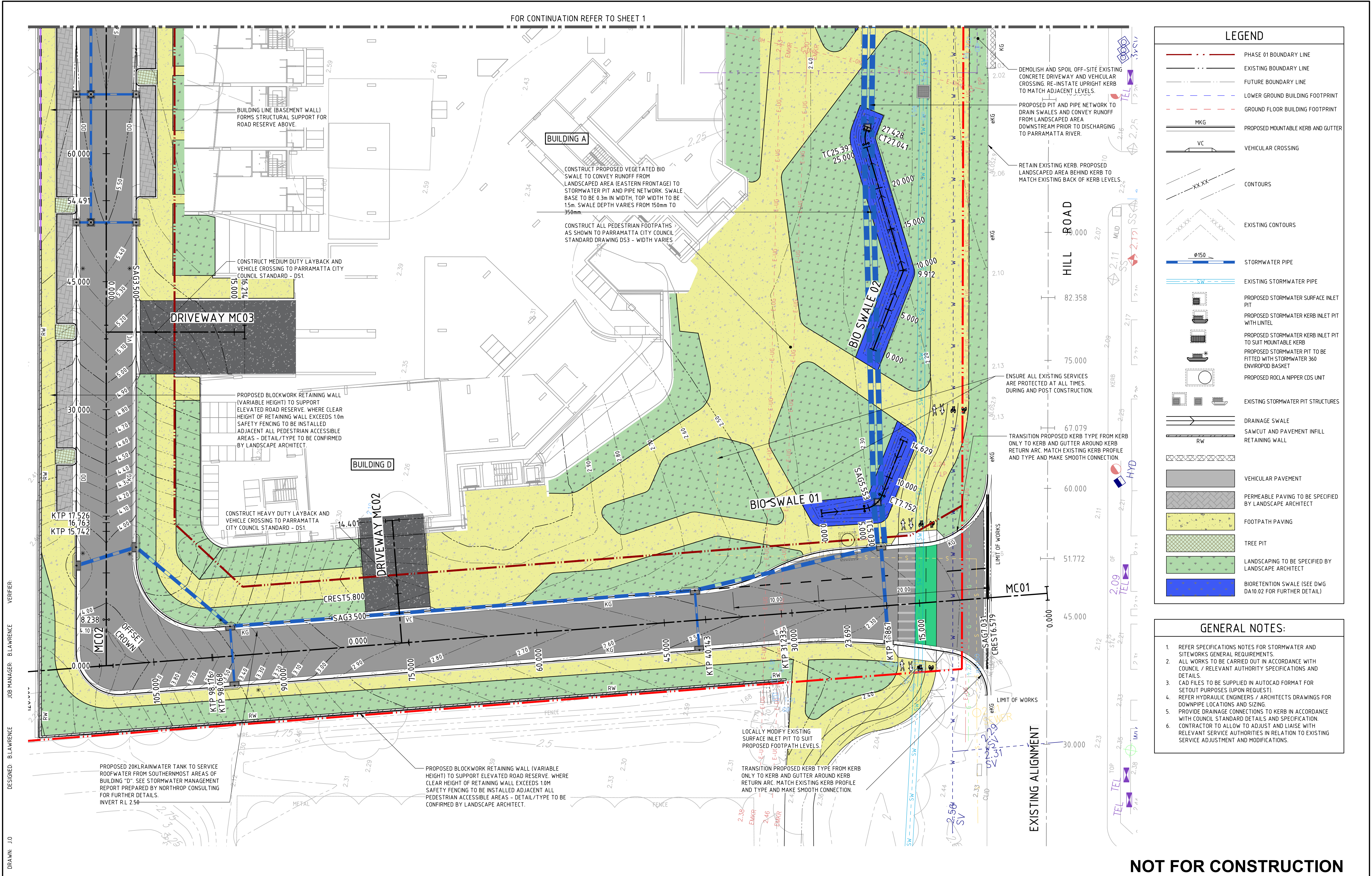
DRAWING NUMBER

DA04.11

REVISION

08

DRAWING SHEET SIZE = A1

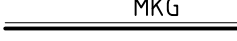
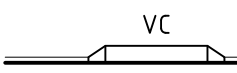
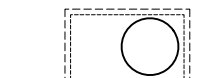
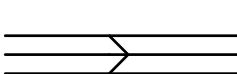
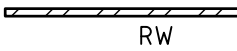
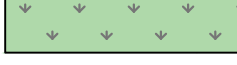


REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	PROJECT	DRAWING TITLE	JOB NUMBER
03	ISSUED FOR DEVELOPMENT APPLICATION	JO	BL	BL	31.08.17	SEKISUI HOUSE	TURNER	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE	170973
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO	BL	BL	20.11.17					
05	CAR PARKING ARRANGEMENT UPDATED	JO	BL	BL	19.01.18					
06	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM	BL	BL	05.03.18					
07	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM	BL	BL	03.04.18					
08	FINAL ISSUE FOR DEVELOPMENT APPLICATION	AM	BL	BL	16.04.18					

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LEGEND

	PHASE 01 BOUNDARY LINE
	EXISTING BOUNDARY LINE
	FUTURE BOUNDARY LINE
	LOWER GROUND BUILDING FOOTPRINT
	GROUND FLOOR BUILDING FOOTPRINT
	PROPOSED MOUNTABLE KERB AND GUTTER
	VEHICULAR CROSSING
	CONTOURS
	EXISTING CONTOURS
	STORMWATER PIPE
	EXISTING STORMWATER PIPE
	PROPOSED STORMWATER SURFACE INLET PIT
	PROPOSED STORMWATER KERB INLET PIT WITH LINTEL
	PROPOSED STORMWATER KERB INLET PIT TO SUIT MOUNTABLE KERB
	PROPOSED STORMWATER PIT TO BE FITTED WITH STORMWATER 360 ENVIROPOD BASKET
	PROPOSED ROCLA NIPPER CDS UNIT
	EXISTING STORMWATER PIT STRUCTURES
	DRAINAGE SWALE
	SAWCUT AND PAVEMENT INFILL RETAINING WALL
	
	VEHICULAR PAVEMENT
	PERMEABLE PAVING TO BE SPECIFIED BY LANDSCAPE ARCHITECT
	FOOTPATH PAVING
	TREE PIT
	LANDSCAPING TO BE SPECIFIED BY LANDSCAPE ARCHITECT
	BIORETENTION SWALE (SEE DWG DA10.02 FOR FURTHER DETAIL)

GENERAL NOTES:

1. REVIEW SPECIFICATIONS NOTES FOR STORMWATER AND SEWERWORKS GENERAL REQUIREMENTS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
3. CAD FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).
4. REFER HYDRAULIC ENGINEERS / ARCHITECTS DRAWINGS FOR DOWNPIPE LOCATIONS AND SIZING.
5. PROVIDE DRAINAGE CONNECTIONS TO KERB IN ACCORDANCE WITH COUNCIL STANDARD DETAILS AND SPECIFICATION.
6. CONTRACTOR TO ALLOW TO ADJUST AND LIAISE WITH RELEVANT SERVICE AUTHORITIES IN RELATION TO EXISTING SERVICE ADJUSTMENT AND MODIFICATIONS.

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR COORDINATION	JO	BL		25 08 17
02	ISSUED FOR CLIENT REVIEW	JO	BL		30 08 17
03	ISSUED FOR DEVELOPMENT APPLICATION	JO			31.08.17
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO	BL		20.11.17
05	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM			05.03.18
06	FINAL ISSUE FOR DEVELOPMENT APPLICATION	AM	BL		16.04.18

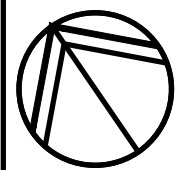


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ARCHITECT

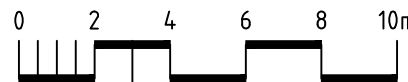
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PROJECT

**14 - 16 HILL ROAD,
WENTWORTH POINT**

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 03

JOB NUMBER

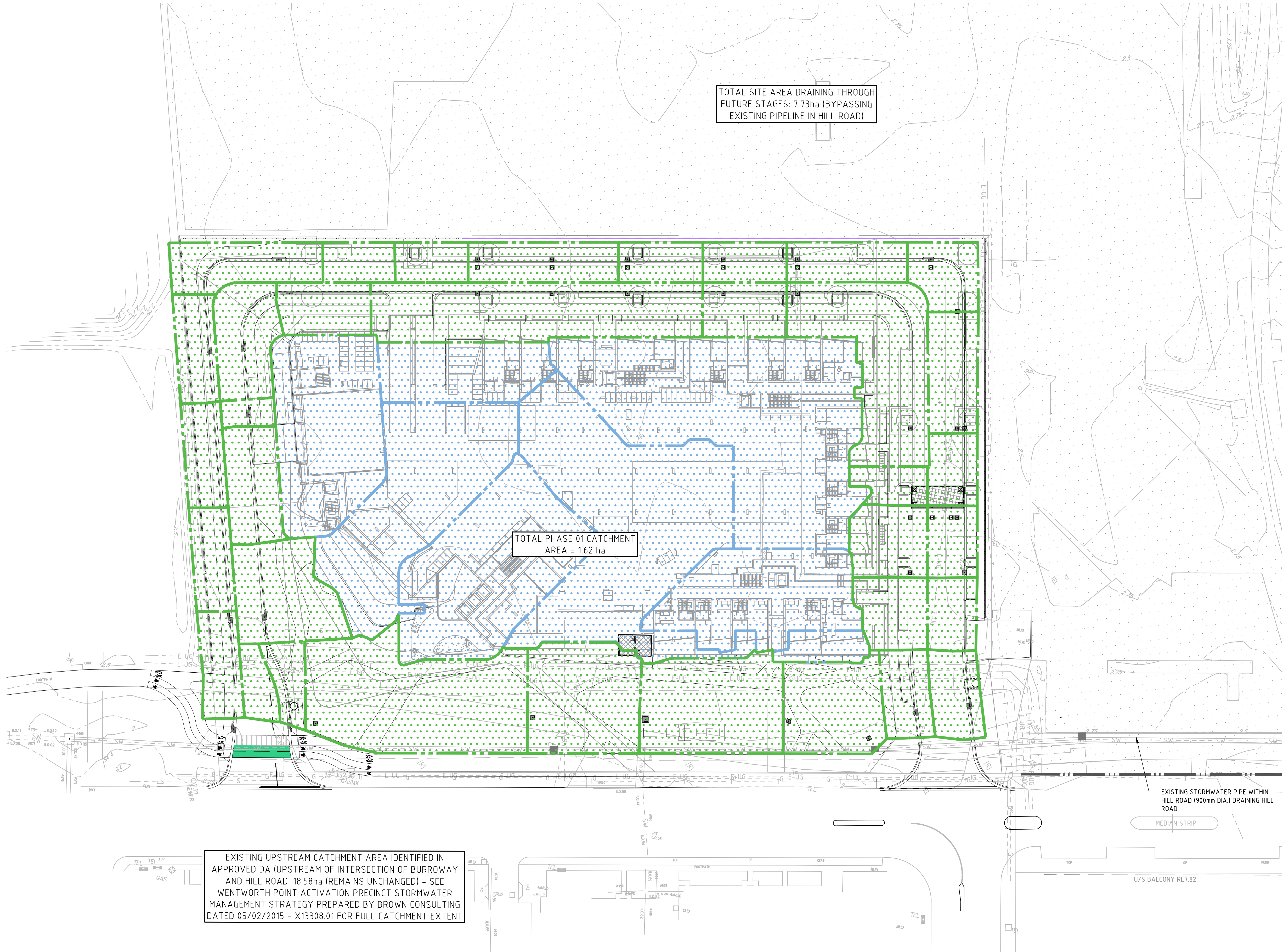
170973

DRAWING NUMBER

REVISION

DRAWING SHEET SIZE = A1

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:



LEGEND

- PROPOSED BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- CATCHMENT BOUNDARIES
- EXISTING DRAINAGE STRUCTURE
- NEW DRAINAGE STRUCTURE
- DRAINAGE SWALE
- PODIUM / ROOF CATCHMENT
- ROAD / LANDSCAPING CATCHMENT

GENERAL NOTES:

- CATCHMENTS INDICATED AND THEIR CORRESPONDING PITS ARE THOSE WHICH HAVE BEEN USED FOR MODELLING PURPOSES.
- REFER HYDRAULIC ENGINEERS CALCULATIONS FOR ROOF AND PODIUM DRAINAGE.

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01	ISSUED FOR COORDINATION	JO		BL	25.08.17	
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05	CAR PARKING ARRANGEMENT UPDATED	JO		BL	19.01.18	
06	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18	

SEKISUI HOUSE

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SCALE 1:400@A1

0 4 8 12 16 20m

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PROJECT

14 - 16 HILL ROAD, WENTWORTH POINT

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

CATCHMENT PLAN

JOB NUMBER

170973

DRAWING NUMBER

DA05.01

REVISION

06

DRAWING SHEET SIZE = A1

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:



LEGEND

FUTURE BOUNDARY LINE

EXISTING BOUNDARY LINE

OVERLAND FLOW

CONTOURS

EXISTING NATURAL DEPRESSION/SWALE

EXTENT OF PHASE 1 WORKS - RAISED LEVELS

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ADDITIONAL INFORMATION FOR DEVELOPMENT APPLICATION	JO		BL	14.11.17
02	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	20.11.17
03	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18

SEKISUI HOUSE

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ARCHITECT

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SCALE 1:1000 @ A1

0 10 20 30 40 50m

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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

14 - 16 HILL ROAD,
WENTWORTH POINT

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

SITE OVERLAND FLOW PLAN

JOB NUMBER

170973

DRAWING NUMBER

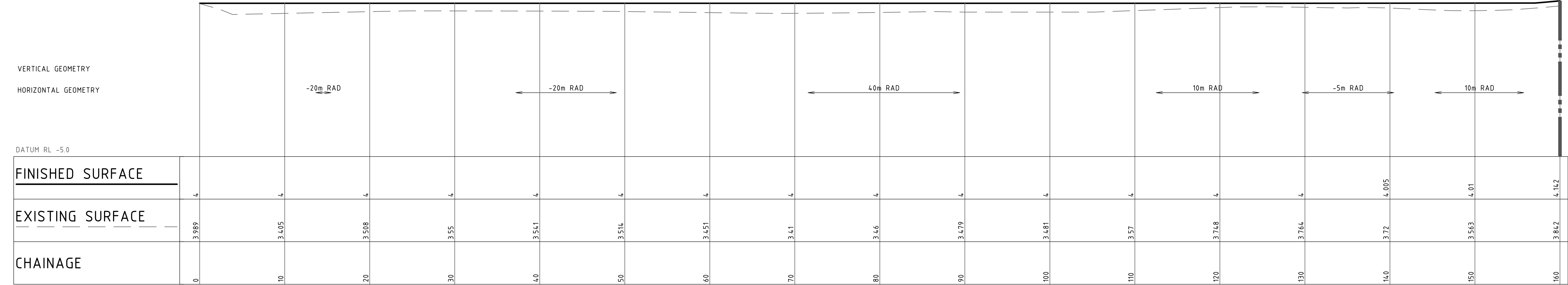
DA05.11

REVISION

03

DRAWING SHEET SIZE = A1

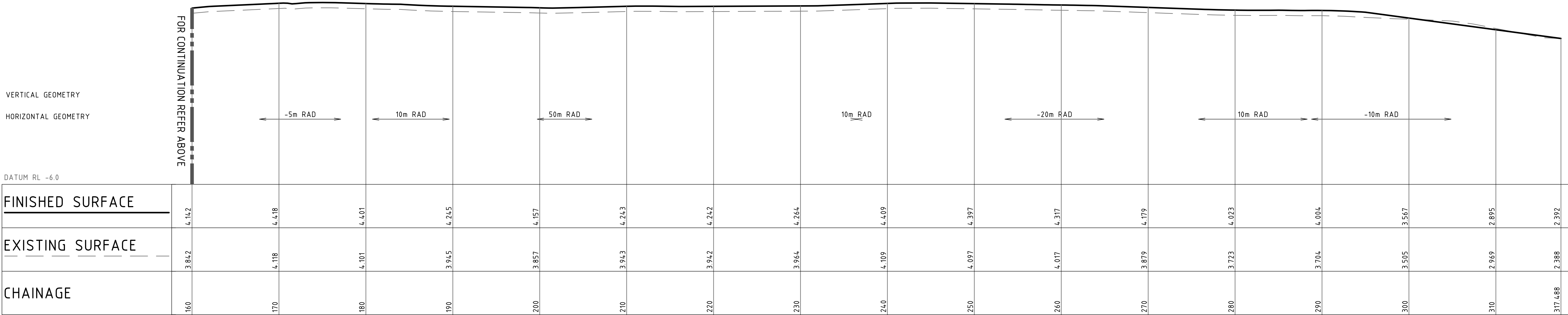
DESIGNED: BLAWRENCE JOB MANAGER: BLAWRENCE VERIFIER: JO



LONGITUDINAL SECTION ALONG DIVERSION BUND 01

HORIZONTAL SCALE 1:250@A1

VERTICAL SCALE 1:125@A1



LONGITUDINAL SECTION ALONG DIVERSION BUND 01

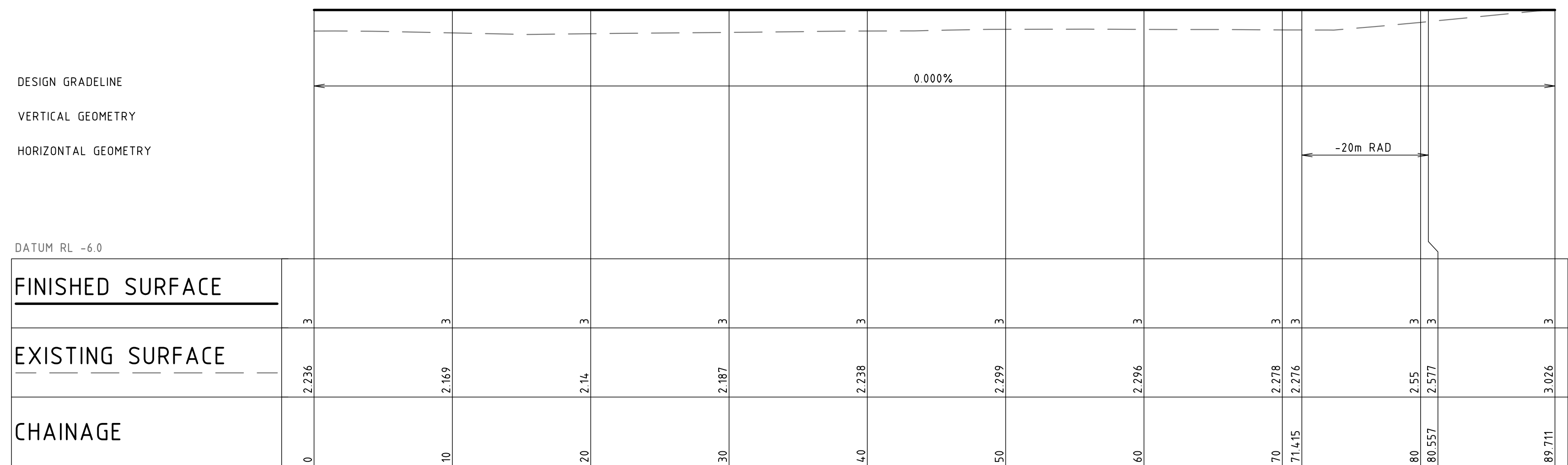
HORIZONTAL SCALE 1:250@A1

VERTICAL SCALE 1:125@A1

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		PROJECT	DRAWING TITLE	JOB NUMBER
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	02.03.18	 SEKISUI HOUSE DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	TURNER THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE DIVERSION BUND LONGITUDINAL SECTIONS - SHEET 01	170973
					DRAWING NUMBER						REVISION
					DA05.12						01
					DRAWING SHEET SIZE = A1						

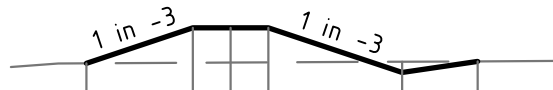
DRAWN: J.O	DESIGNED: B.LAWRENCE	JOB MANAGER: B.LAWRENCE	VERIFIER:
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LONGITUDINAL SECTION ALONG DIVERSION BUND 02
HORIZONTAL SCALE 1:250@A1
VERTICAL SCALE 1:125@A1

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		PROJECT	DRAWING TITLE	JOB NUMBER	
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	02.03.18	 SEKISUI HOUSE DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	 TURNER THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE SCALE 1:250@ A1 	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE	170973
										DIVERSION BUND LONGITUDINAL SECTIONS - SHEET 02	DRAWING NUMBER DA05.13 REVISION 01 DRAWING SHEET SIZE = A1	

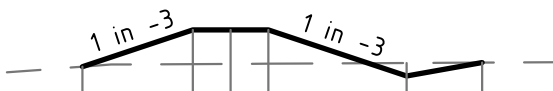
Centreline Data
X = 321785.052
Y = 6255824.181
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.531			
EXISTING SURFACE		3.531	3.538	4.000	
OFFSET	-1.907	3.531	3.543	4.000	3.557

CHAINAGE 40.000

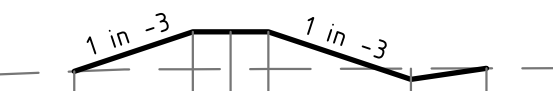
Centreline Data
X = 321783.771
Y = 6255814.271
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.513			
EXISTING SURFACE		3.513	3.517	4.000	
OFFSET	-1.960	3.513	3.552	4.000	3.567

CHAINAGE 30.000

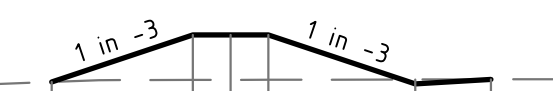
Centreline Data
X = 321782.293
Y = 6255804.381
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.477			
EXISTING SURFACE		3.477	3.506	4.000	
OFFSET	-2.068	3.477	3.509	4.000	3.518

CHAINAGE 20.000

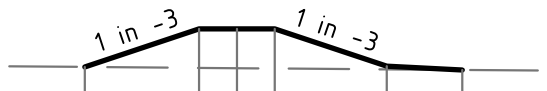
Centreline Data
X = 321780.415
Y = 6255794.568
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.378			
EXISTING SURFACE		3.378	3.405	4.000	
OFFSET	-2.367	3.378	3.406	4.000	3.412

CHAINAGE 10.000

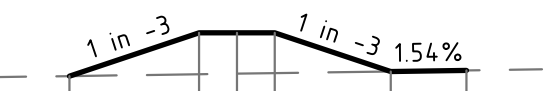
Centreline Data
X = 321769.599
Y = 6255871.144
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.496			
EXISTING SURFACE		3.496	3.484	4.000	
OFFSET	-2.011	3.496	3.475	4.000	3.456

CHAINAGE 90.000

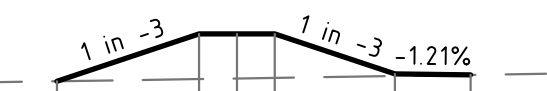
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Y = 6255861.227
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.428			
EXISTING SURFACE		3.428	3.453	4.000	
OFFSET	-2.216	3.428	3.467	4.000	3.503

CHAINAGE 80.000

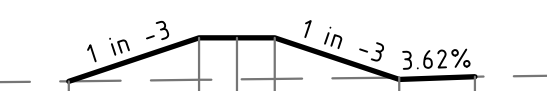
Centreline Data
X = 321774.125
Y = 6255851.868
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.373			
EXISTING SURFACE		3.373	3.402	4.000	
OFFSET	-2.380	3.373	3.418	4.000	3.458

CHAINAGE 70.000

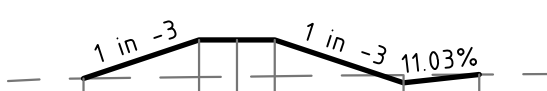
Centreline Data
X = 321778.411
Y = 6255842.833
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.426			
EXISTING SURFACE		3.426	3.445	4.000	
OFFSET	-2.223	3.426	3.451	4.000	3.487

CHAINAGE 60.000

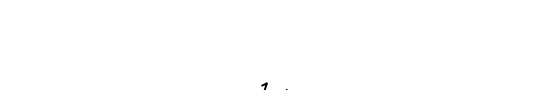
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X = 321782.698
Y = 6255833.199
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.491			
EXISTING SURFACE		3.491	3.514	4.000	
OFFSET	-2.028	3.491	3.519	4.000	3.542

CHAINAGE 50.000

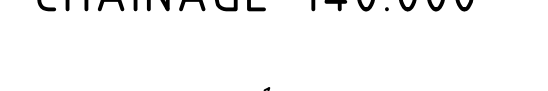
Centreline Data
X = 321782.487
Y = 6255913.201
Z = 4.005



DATUM RL 3.0					
FINISHED SURFACE		3.673			
EXISTING SURFACE		3.673	3.704	4.005	
OFFSET	-1.496	3.673	3.736	4.005	3.806

CHAINAGE 140.000

Centreline Data
X = 321781.222
Y = 6255904.882
Z = 4.000



DATUM RL 3.0					
FINISHED SURFACE		3.754			
EXISTING SURFACE		3.754	3.760	4.000	
OFFSET	-1.238	3.754	3.768	4.000	3.785

CHAINAGE 130.000

Centreline Data
X = 321773.374
Y = 6255900.453
Z = 4.000



DATUM RL 3.0					
FINISHED SURFACE		3.757			
EXISTING SURFACE		3.757	3.752	4.000	
OFFSET	-1.230	3.757	3.748	4.000	3.729

CHAINAGE 120.000

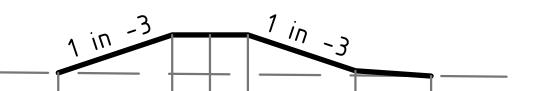
Centreline Data
X = 321769.664
Y = 6255881.144
Z = 4.000



DATUM RL 3.0					
FINISHED SURFACE		3.557			
EXISTING SURFACE		3.557	3.566	4.000	
OFFSET	-1.829	3.557	3.573	4.000	3.587

CHAINAGE 110.000

Centreline Data
X = 321769.632
Y = 6255881.144
Z = 4.000



DATUM RL 2.0					
FINISHED SURFACE		3.498			
EXISTING SURFACE		3.498	3.485	4.000	
OFFSET	-2.007	3.498	3.477	4.000	3.456

CHAINAGE 100.000

Centreline Data
X = 321777.135
Y = 6255952.471
Z = 4.245



DATUM RL 3.0					
FINISHED SURFACE		3.871			
EXISTING SURFACE		3.871	3.922	4.245	
OFFSET	-1.621	3.871	3.967	4.245	4.001

CHAINAGE 190.000

Centreline Data
X = 321780.757
Y = 6255943.576
Z = 4.401



DATUM RL 3.0					
FINISHED SURFACE		4.051			
EXISTING SURFACE		4.051	4.085	4.401	
OFFSET	-1.552	4.051	4.118	4.401	4.143

CHAINAGE 180.000

Centreline Data
X = 321783.524
Y = 6255935.099
Z = 4.418



DATUM RL 3.0					
FINISHED SURFACE		4.015			
EXISTING SURFACE		4.015	4.115	4.418	
OFFSET	-1.707	4.015	4.121	4.418	4.126

CHAINAGE 170.000

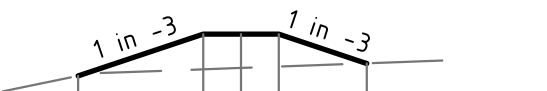
Centreline Data
X = 321775.358
Y = 6255929.479
Z = 4.142



DATUM RL 3.0					
FINISHED SURFACE		3.837			
EXISTING SURFACE		3.837	3.840	4.142	
OFFSET	-1.416	3.837	3.844	4.142	3.847

CHAINAGE 160.000

Centreline Data
X = 321775.205
Y = 6255919.692
Z = 4.010

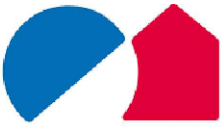


DATUM RL 2.0					
FINISHED SURFACE		3.458			
EXISTING SURFACE		3.458	3.545	4.010	
OFFSET	-2.155	3.458	3.581	4.010	3.624

CHAINAGE 150.000

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	02.03.18	



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ARCHITECT

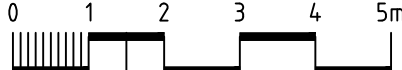


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SCALE 1:100 @ A1





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Sydney
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Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

**14 - 16 HILL ROAD,
WENTWORTH POINT**

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

**DIVERSION BUND 01 CROSS
SECTIONS - SHEET 01**

JOB NUMBER

170973

DRAWING NUMBER

DA05.14

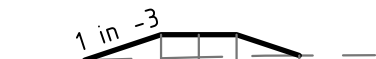
REVISION

01

DRAWING SHEET SIZE = A1

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:

Centreline Data
X = 321785.373
Y = 6256001717
Z = 4.409



DATUM RL 3.0				
FINISHED SURFACE		4.073		
EXISTING SURFACE		4.073		
OFFSET	-1.509		4.133	

CHAINAGE 240.000

Centreline Data
X = 321783.360
Y = 6255991922
Z = 4.264



DATUM RL 3.0				
FINISHED SURFACE		3.936		
EXISTING SURFACE		3.936		
OFFSET	-1.483		3.988	

CHAINAGE 230.000

Centreline Data
X = 321781.403
Y = 6255982115
Z = 4.242



DATUM RL 3.0				
FINISHED SURFACE		3.914		
EXISTING SURFACE		3.914		
OFFSET	-1.483		3.966	

CHAINAGE 220.000

Centreline Data
X = 321779.446
Y = 6255972308
Z = 4.243



DATUM RL 3.0				
FINISHED SURFACE		3.881		
EXISTING SURFACE		3.881		
OFFSET	-1.586		3.992	

CHAINAGE 210.000

Centreline Data
X = 321777.845
Y = 6255962446
Z = 4.157



DATUM RL 3.0				
FINISHED SURFACE		3.791		
EXISTING SURFACE		3.791		
OFFSET	-1.598		3.906	

CHAINAGE 200.000

Centreline Data
X = 321787.992
Y = 6256048744
Z = 4.004



DATUM RL 3.0				
FINISHED SURFACE		3.588		
EXISTING SURFACE		3.588		
OFFSET	-1.750		3.782	

CHAINAGE 290.000

Centreline Data
X = 321783.003
Y = 6256040465
Z = 4.023



DATUM RL 2.0				
FINISHED SURFACE		3.651		
EXISTING SURFACE		3.651		
OFFSET	-1.617		3.757	

CHAINAGE 280.000

Centreline Data
X = 321785.640
Y = 6256030907
Z = 4.179



DATUM RL 3.0				
FINISHED SURFACE		3.818		
EXISTING SURFACE		3.818		
OFFSET	-1.583		3.907	

CHAINAGE 270.000

Centreline Data
X = 321788.557
Y = 6256021375
Z = 4.317



DATUM RL 3.0				
FINISHED SURFACE		4.001		
EXISTING SURFACE		4.001		
OFFSET	-1.448		4.036	

CHAINAGE 260.000

Centreline Data
X = 321787.487
Y = 6256011491
Z = 4.397



DATUM RL 3.0				
FINISHED SURFACE		4.081		
EXISTING SURFACE		4.081		
OFFSET	-1.447		4.112	

CHAINAGE 250.000

Centreline Data
X = 321780.133
Y = 6256071823
Z = 2.392



DATUM RL 1.0				
FINISHED SURFACE		2.341		
EXISTING SURFACE		2.341		
OFFSET	-0.653		2.380	

CHAINAGE 317.488

Centreline Data
X = 321785.029
Y = 6256066157
Z = 2.895



DATUM RL 2.0				
FINISHED SURFACE		2.970		
EXISTING SURFACE		2.970		
OFFSET	-0.726		2.968	

CHAINAGE 310.000

Centreline Data
X = 321790.572
Y = 6256057979
Z = 3.567

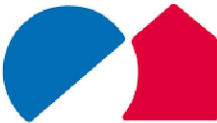


DATUM RL 2.0				
FINISHED SURFACE		3.484		
EXISTING SURFACE		3.484		
OFFSET	-0.748		3.522	

CHAINAGE 300.000

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	02.03.18



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PROJECT

14 - 16 HILL ROAD,
WENTWORTH POINT

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

DIVERSION BUND 01 CROSS
SECTIONS - SHEET 02

JOB NUMBER

170973

DRAWING NUMBER

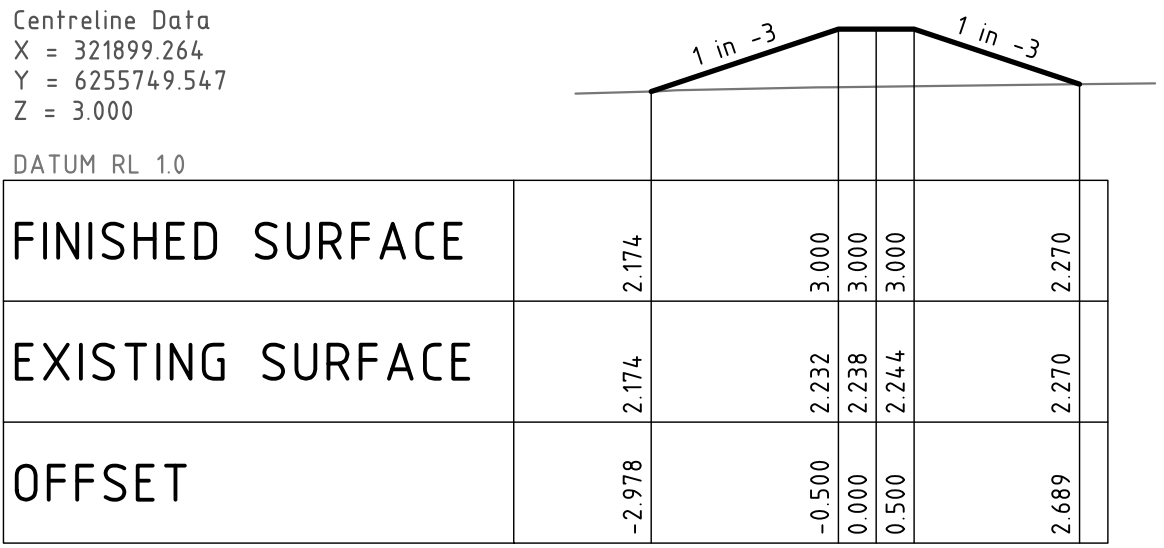
DA05.15

REVISION

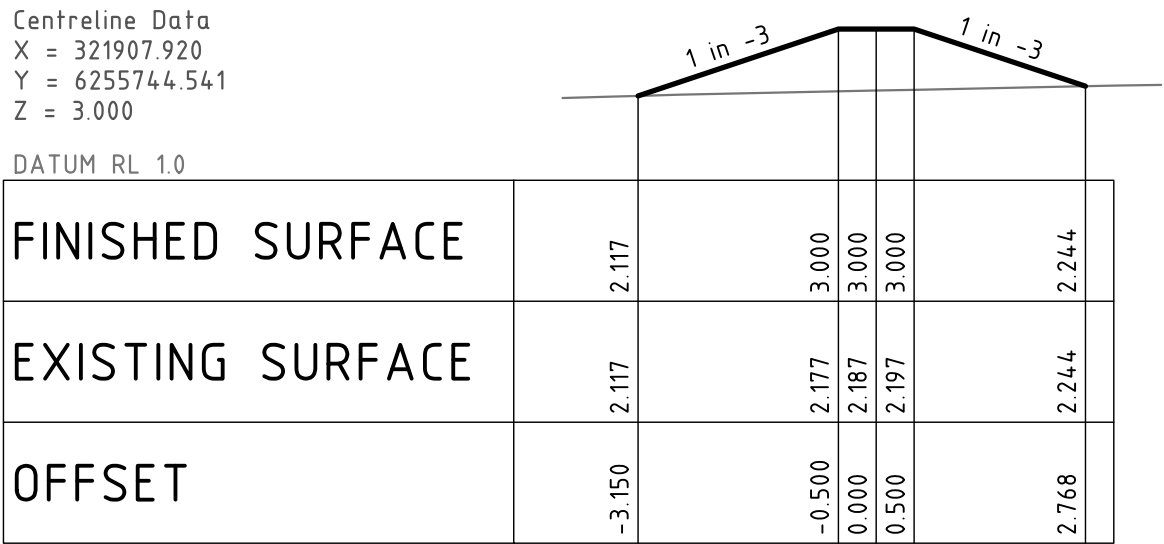
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DRAWING SHEET SIZE = A1

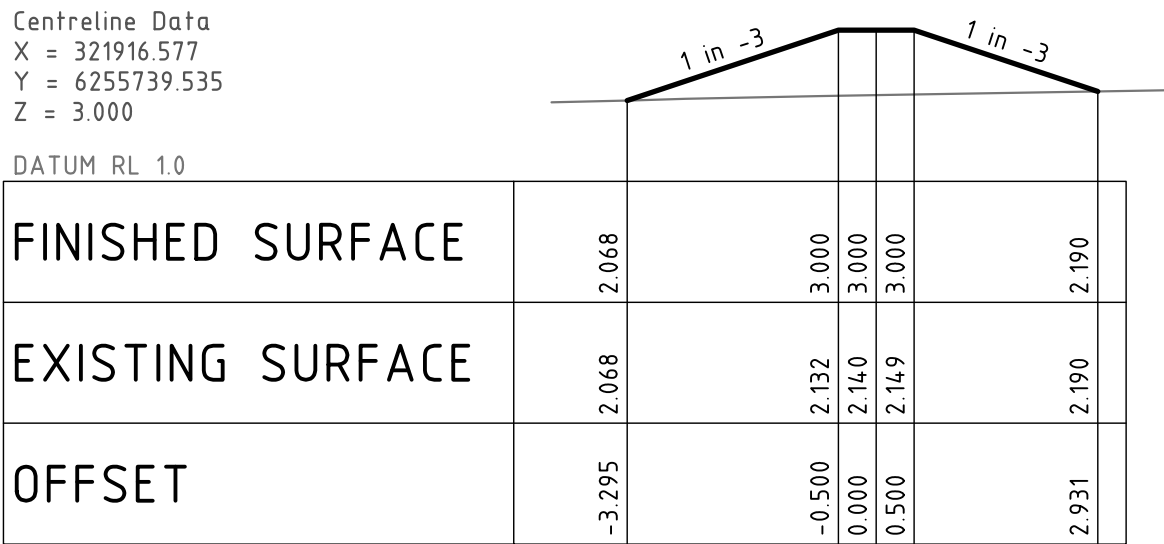
DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:



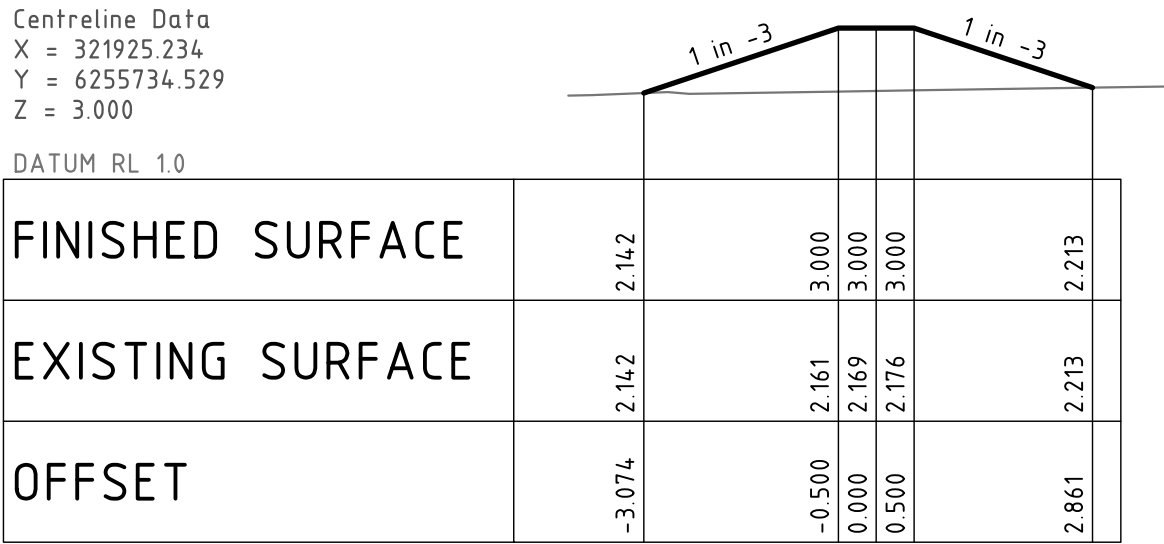
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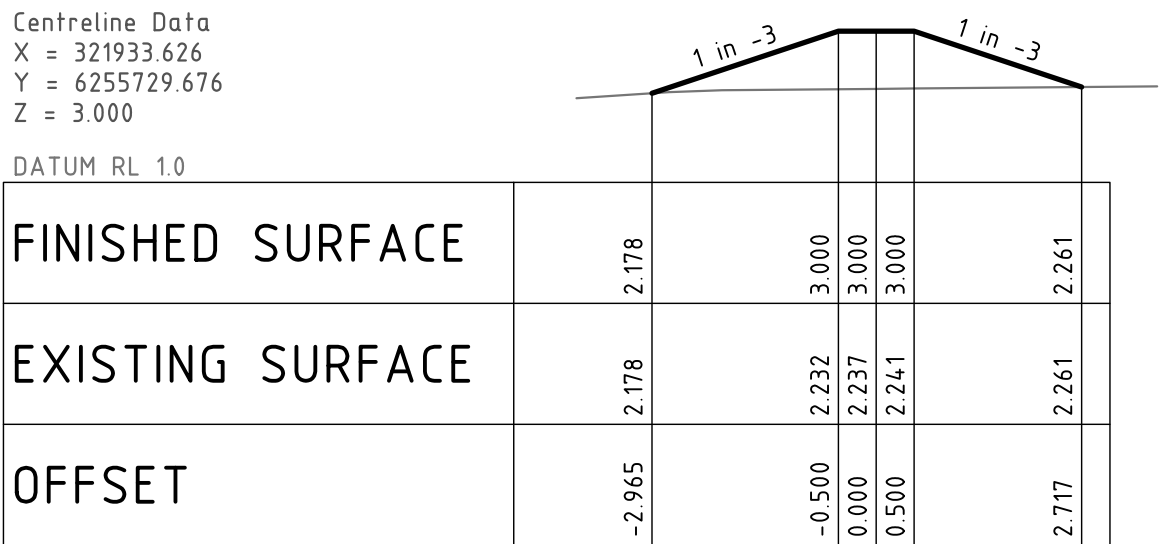
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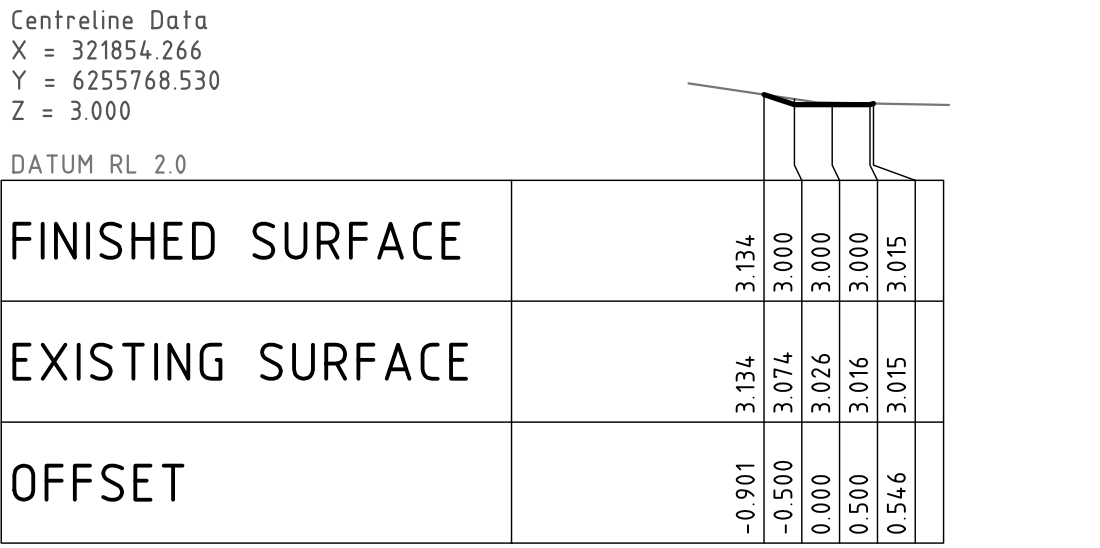
CHAINAGE 20.000



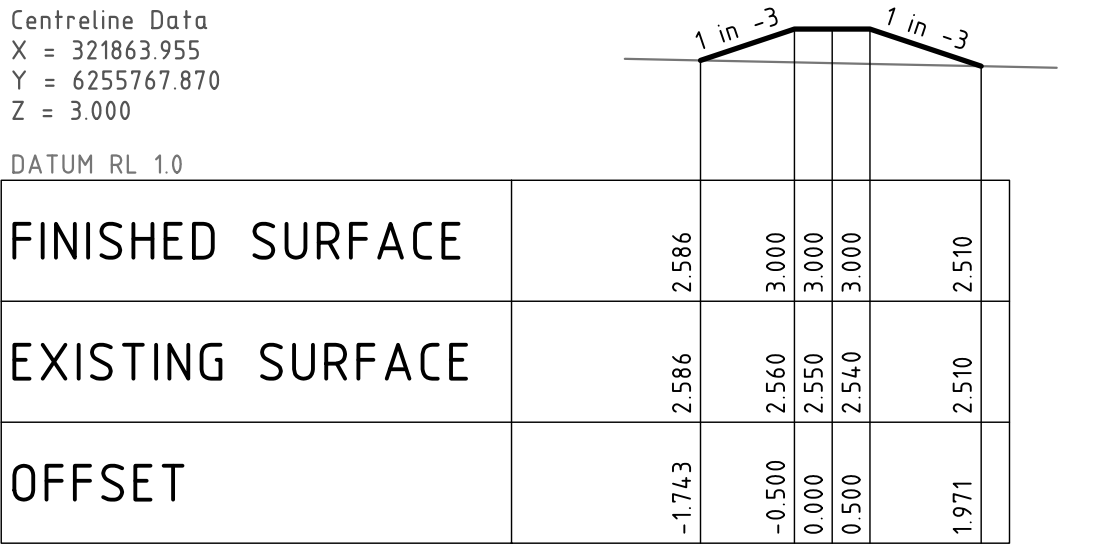
CHAINAGE 10.000



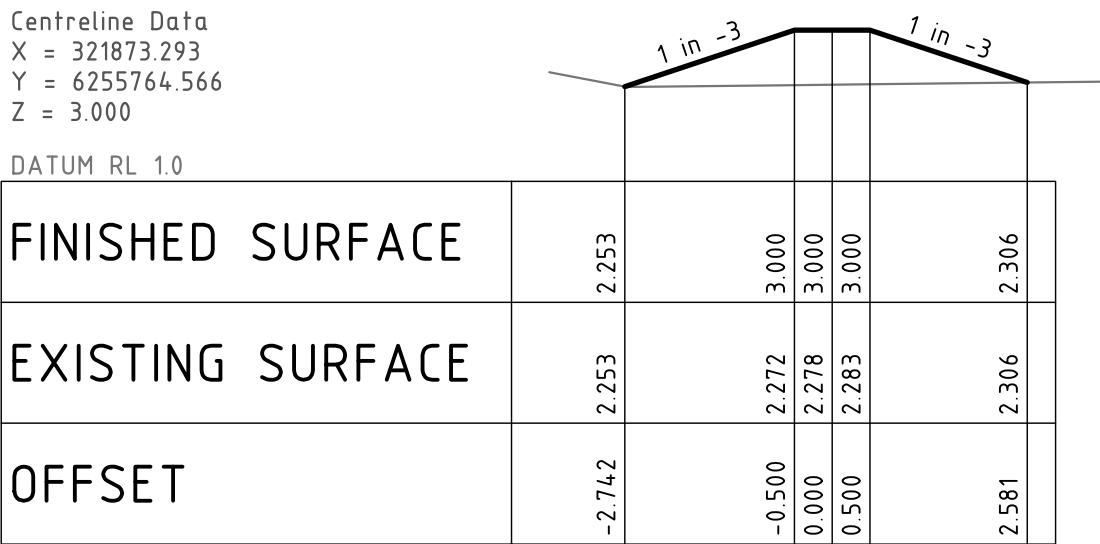
CHAINAGE 0.306



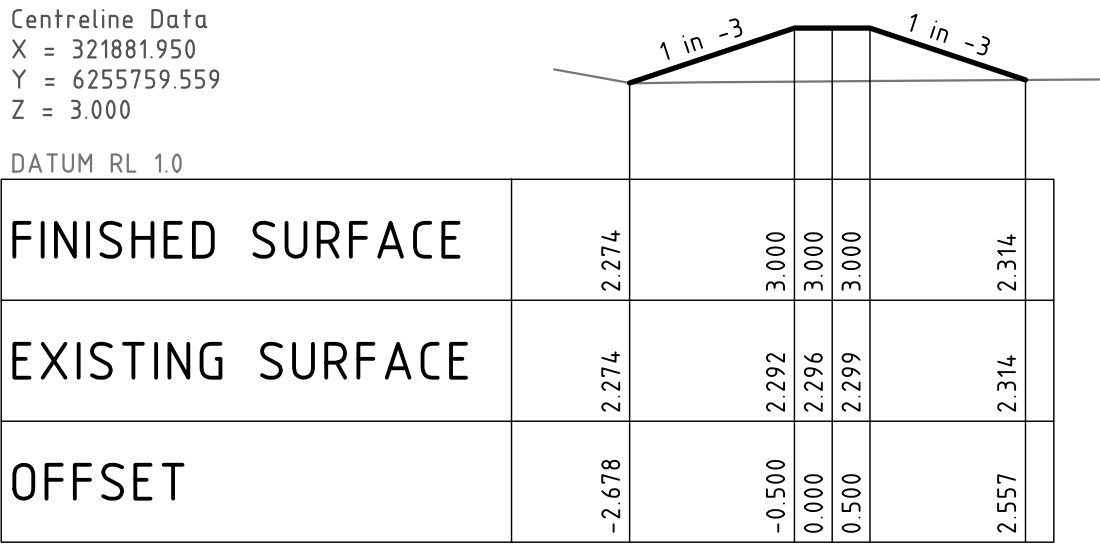
CHAINAGE 89.711



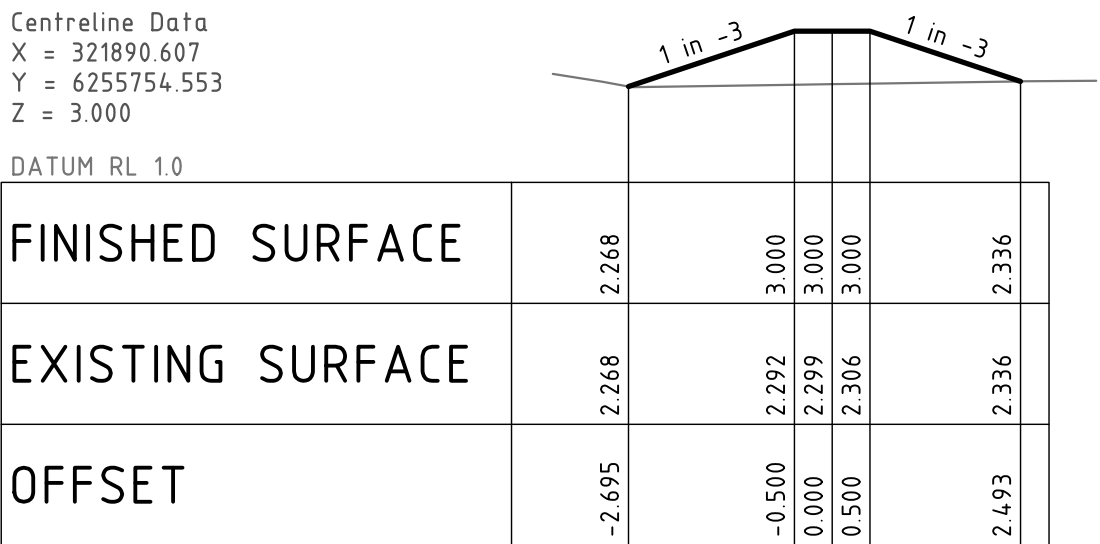
CHAINAGE 80.000



CHAINAGE 70.000



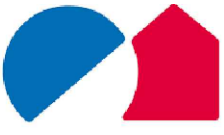
CHAINAGE 60.000



CHAINAGE 50.000

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	02.03.18



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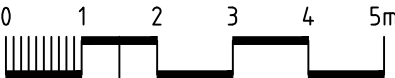


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PROJECT

14 - 16 HILL ROAD,
WENTWORTH POINT

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

DIVERSION BUND 02 CROSS
SECTIONS

JOB NUMBER

170973

DRAWING NUMBER

DA05.16

REVISION

01

DRAWING SHEET SIZE = A1

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:

DIVERSION SWALE 01 TO DRAIN LOW POINT
ADJACENT 'DIVERSION BUND 01' &
DISCHARGE FROM 'DIVERSION SWALE 02'

DESIGN GRADELINE
VERTICAL GEOMETRY
HORIZONTAL GEOMETRY

DATUM RL -6.0

FINISHED SURFACE	2.35		2.34		2.33		2.32		2.31		2.3		2.29		2.28		2.27		2.26		2.25		2.24		2.23		2.22		2.21		2.2		2.19
EXISTING SURFACE	2.35		2.426		2.421		2.452		2.496		2.601		2.596		2.651		2.779		2.825		2.801		2.815		2.806		2.763		2.637		2.518		2.544
CHAINAGE	0		10		20		30		40		50		60		70		80		90		100		110		120		130		140		150		160

LONGITUDINAL SECTION ALONG DIVERSION SWALE 01

HORIZONTAL SCALE 1:250@A1
VERTICAL SCALE 1:125@A1

FOR CONTINUATION REFER BELOW

DIVERSION SWALE 01 TO MAKE SMOOTH
CONNECTION WITH EXISTING CULVERT
(PASSING UNDER CYCLEWAY). APPROPRIATE
SCOUR PROTECTION TO BE DOCUMENTED AT
DETAILED DESIGN PHASE.

DESIGN GRADELINE
VERTICAL GEOMETRY
HORIZONTAL GEOMETRY

DATUM RL -6.0

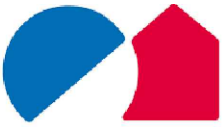
FINISHED SURFACE	2.19		2.18		2.17		2.16		2.15		2.14		2.13		2.12		2.11		2.1		2.09		2.087
EXISTING SURFACE	2.544		2.559		2.505		2.451		2.373		2.794		2.932		2.903		2.933		3.452		2.529		2.095
CHAINAGE	160		170		180		190		200		210		220		230		240		250		260		263.263

LONGITUDINAL SECTION ALONG DIVERSION SWALE 01

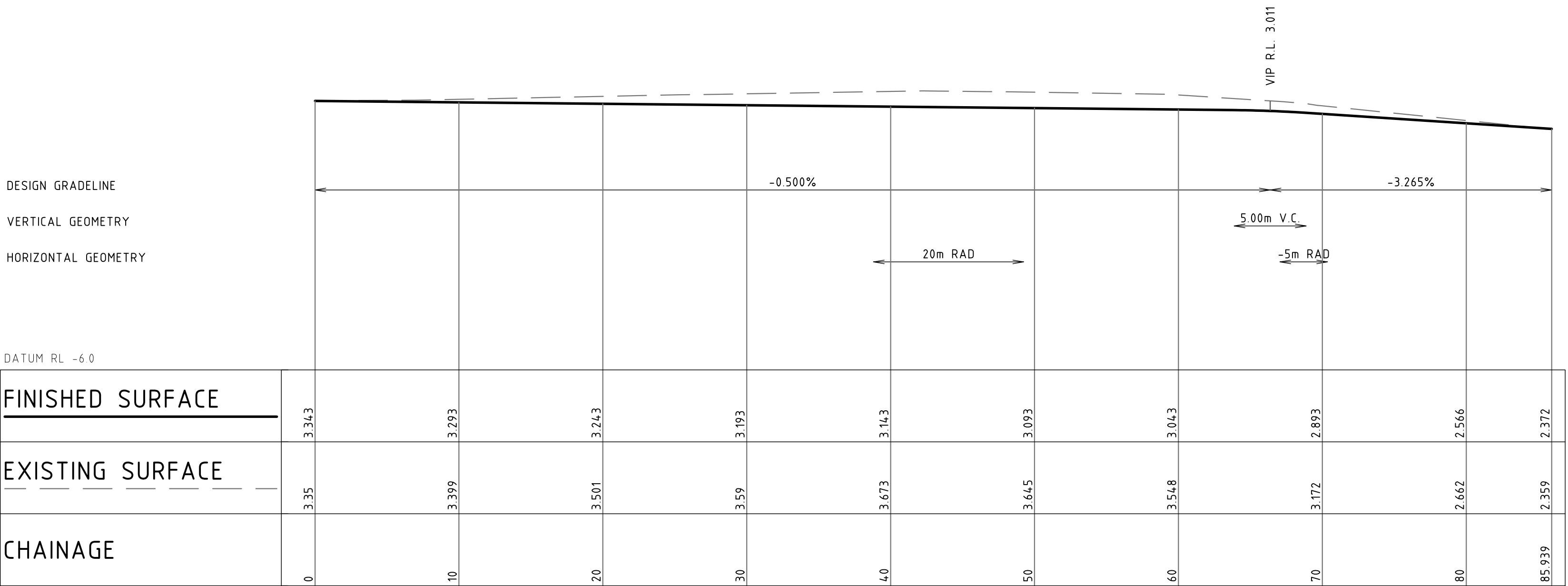
HORIZONTAL SCALE 1:250@A1
VERTICAL SCALE 1:125@A1

FOR CONTINUATION REFER ABOVE

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.	PROJECT	DRAWING TITLE	JOB NUMBER
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	02.03.18	 SEKISUI HOUSE	 TURNER	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE	170973
								SCALE 1:250@A1 		DIVERSION SWALE LONGITUDINAL SECTIONS - SHEET 01	DRAWING NUMBER DA05.17
											REVISION 01 DRAWING SHEET SIZE = A1

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:



LONGITUDINAL SECTION ALONG DIVERSION SWALE 02
HORIZONTAL SCALE 1:250@A1
VERTICAL SCALE 1:125@A1

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01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	02.03.18	 SEKISUI HOUSE	TURNER	SCALE 1:250@A1 	14 - 16 HILL ROAD, WENTWORTH POINT		CIVIL ENGINEERING PACKAGE	170973						
																	DRAWING NUMBER	REVISION
																	DA05.18	01
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD				DIVERSION SWALE LONGITUDINAL SECTIONS - SHEET 02		DRAWING SHEET SIZE = A1					

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:

Centreline Data
X = 321890.983
Y = 6255806.382
Z = 2.310

DATUM RL 10					
FINISHED SURFACE			2.476	2.476	
EXISTING SURFACE			2.476	2.483	2.320
OFFSET		-0.967	0.000	2.496	2.310
			0.000	2.508	2.320
			1.112	2.524	2.524

CHAINAGE 40.000

Centreline Data
X = 321885.278
Y = 6255798.169
Z = 2.320

DATUM RL 10					
FINISHED SURFACE			2.446	2.446	
EXISTING SURFACE			2.446	2.448	2.330
OFFSET		-0.848	0.000	2.452	2.320
			0.000	2.455	2.330
			0.882	2.457	2.457

CHAINAGE 30.000

Centreline Data
X = 321879.573
Y = 6255781.956
Z = 2.330

DATUM RL 10					
FINISHED SURFACE			2.416	2.416	
EXISTING SURFACE			2.416	2.418	2.340
OFFSET		-0.728	0.000	2.421	2.330
			0.000	2.424	2.340
			0.758	2.426	2.426

CHAINAGE 20.000

Centreline Data
X = 321873.868
Y = 6255781.743
Z = 2.340

DATUM RL 10					
FINISHED SURFACE			2.439	2.439	
EXISTING SURFACE			2.439	2.434	2.350
OFFSET		-0.766	0.000	2.436	2.340
			0.000	2.448	2.350
			0.696	2.445	2.445

CHAINAGE 10.000

Centreline Data
X = 321868.164
Y = 6255773.530
Z = 2.350

DATUM RL 10					
FINISHED SURFACE			2.350	2.350	
EXISTING SURFACE			2.350	2.350	
OFFSET		0.000			

CHAINAGE 0.000

Centreline Data
X = 321913.869
Y = 6255849.489
Z = 2.260

DATUM RL 10					
FINISHED SURFACE			2.825	2.825	
EXISTING SURFACE			2.825	2.825	2.270
OFFSET		-2.166	0.000	2.825	2.260
			0.500	2.825	2.270
			2.164	2.824	2.824

CHAINAGE 90.000

Centreline Data
X = 321913.116
Y = 6255839.622
Z = 2.270

DATUM RL 10					
FINISHED SURFACE			2.776	2.776	
EXISTING SURFACE			2.776	2.778	2.280
OFFSET		-1.990	0.000	2.779	2.270
			0.500	2.779	2.280
			2.001	2.780	2.780

CHAINAGE 80.000

Centreline Data
X = 321908.097
Y = 6255831.022
Z = 2.280

DATUM RL 10					
FINISHED SURFACE			2.655	2.655	
EXISTING SURFACE			2.655	2.653	2.290
OFFSET		-1.597	0.000	2.651	2.280
			0.500	2.650	2.290
			1.565	2.645	2.645

CHAINAGE 70.000

Centreline Data
X = 321902.392
Y = 6255822.809
Z = 2.290

DATUM RL 10					
FINISHED SURFACE			2.608	2.608	
EXISTING SURFACE			2.608	2.599	2.300
OFFSET		-1.424	0.000	2.596	2.290
			0.500	2.595	2.300
			1.381	2.594	2.594

CHAINAGE 60.000

Centreline Data
X = 321896.687
Y = 6255814.596
Z = 2.300

DATUM RL 10					
FINISHED SURFACE			2.569	2.569	
EXISTING SURFACE			2.569	2.561	2.310
OFFSET		-1.278	0.000	2.613	2.300
			0.500	2.632	2.310
			1.466	2.632	2.632

CHAINAGE 50.000

Centreline Data
X = 321888.176
Y = 6255892.166
Z = 2.210

DATUM RL 10					
FINISHED SURFACE			2.625	2.625	
EXISTING SURFACE			2.625	2.637	2.220
OFFSET		-1.715	0.000	2.640	2.220
			0.500	2.649	2.220
			1.788	2.649	2.649

CHAINAGE 140.000

Centreline Data
X = 321893.602
Y = 6255883.766
Z = 2.220

DATUM RL 10					
FINISHED SURFACE			2.760	2.760	
EXISTING SURFACE			2.760	2.762	2.230
OFFSET		-2.089	0.000	2.763	2.220
			0.500	2.763	2.230
			2.108	2.766	2.766

CHAINAGE 130.000

Centreline Data
X = 321899.028
Y = 6255875.366
Z = 2.230

DATUM RL 10					
FINISHED SURFACE			2.797	2.797	
EXISTING SURFACE			2.797	2.804	2.240
OFFSET		-2.171	0.000	2.806	2.230
			0.500	2.808	2.240
			2.225	2.815	2.815

CHAINAGE 120.000

Centreline Data
X = 321904.455
Y = 6255866.967
Z = 2.240

DATUM RL 10					
FINISHED SURFACE			2.807	2.807	
EXISTING SURFACE			2.807	2.813	2.250
OFFSET		-2.172	0.000	2.815	2.240
			0.500	2.816	2.250
			2.212	2.820	2.820

CHAINAGE 110.000

Centreline Data
X = 321909.881
Y = 6255858.567
Z = 2.250

DATUM RL 10					
FINISHED SURFACE			2.800	2.800	
EXISTING SURFACE			2.800	2.801	2.250
OFFSET		-2.119	0.000	2.802	2.260
			0.500	2.802	2.260
			2.139	2.806	2.806

CHAINAGE 100.000

Centreline Data
X = 321873.214
Y = 6255939.118
Z = 2.160

DATUM RL 10					
FINISHED SURFACE			2.455	2.455	
EXISTING SURFACE			2.455	2.452	2.170
OFFSET		-1.355	0.000	2.451	2.160
			0.500	2.449	2.170
			1.331	2.447	2.447

CHAINAGE 190.000

Centreline Data
X = 321874.733
Y = 6255929.234
Z = 2.170

DATUM RL 10					
FINISHED SURFACE			2.509	2.509	
EXISTING SURFACE			2.509	2.507	2.180
OFFSET		-1.489	0.000	2.505	2.170
			0.500	2.504	2.180
			1.463	2.501	2.501

CHAINAGE 180.000

Centreline Data
X = 321876.252
Y = 6255919.351
Z = 2.180

DATUM RL 10					
FINISHED SURFACE			2.562	2.562	
EXISTING SURFACE			2.562	2.560	2.190
OFFSET		-1.616	0.000	2.559	2.180
			0.500	2.558	2.190
			1.597	2.556	2.556

CHAINAGE 170.000

Centreline Data
X = 321878.579
Y = 6255909.642
Z = 2.190

DATUM RL 10					
FINISHED SURFACE			2.557	2.557	
EXISTING SURFACE			2.557	2.548	2.200
OFFSET		-1.571	0.000	2.544	2.190
			0.500	2.540	2.200
			1.517	2.539	2.539

CHAINAGE 160.000

Centreline Data
X = 321882.782
Y = 6255900.586
Z = 2.200

DATUM RL 10					
FINISHED SURFACE			2.516	2.516	
EXISTING SURFACE			2.516	2.515	2.210
OFFSET		-1.418	0.000	2.518	2.200
			0.500	2.521	2.210
			1.451	2.527	2.527

CHAINAGE 150.000

Centreline Data
X = 321871.695
Y = 6255949.002
Z = 2.150

DATUM RL 10					
FINISHED SURFACE			2.428	2.428	
EXISTING SURFACE			2.428	2.388	2.160
OFFSET		-1.304	0.000	2.373	2.150
			0.500	2.377	2.160
			1.171	2.384	2.384

CHAINAGE 200.000

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	02.03.18



SEKISUI HOUSE

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SCALE 1:100 @ A1





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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

**14 - 16 HILL ROAD,
WENTWORTH POINT**

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

**DIVERSION SWALE 01 CROSS
SECTIONS - SHEET 01**

JOB NUMBER

170973

DRAWING NUMBER

DA05.19

REVISION

01

DRAWING SHEET SIZE = A1

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:

Centreline Data
X = 321894.771
Y = 6255991.693
Z = 2.100

DATUM RL 10					
FINISHED SURFACE		3.376			
EXISTING SURFACE		3.376		2.110	
OFFSET	-4.298		-0.500	3.376	2.979

CHAINAGE 250.000

Centreline Data
X = 321888.240
Y = 6255984.142
Z = 2.110

DATUM RL 10		3.147		2.120	
FINISHED SURFACE		3.147		2.120	2.844
EXISTING SURFACE			2.963	2.110	
OFFSET	-3.582		-0.500	2.903	2.673

CHAINAGE 240.000

Centreline Data
X = 321882.959
Y = 6255975.653
Z = 2.120

DATUM RL 10		2.930		2.130	
FINISHED SURFACE		2.930		2.130	2.878
EXISTING SURFACE			2.908	2.120	
OFFSET	-2.899		-0.500	2.899	2.744

CHAINAGE 230.000

Centreline Data
X = 321877.776
Y = 6255967.101
Z = 2.130

DATUM RL 10		2.954		2.140	
FINISHED SURFACE		2.954		2.140	2.911
EXISTING SURFACE			2.936	2.130	
OFFSET	-2.942		-0.500	2.929	2.814

CHAINAGE 220.000

Centreline Data
X = 321872.594
Y = 6255958.548
Z = 2.140

DATUM RL 10		2.904		2.150	
FINISHED SURFACE		2.904		2.150	2.686
EXISTING SURFACE			2.870	2.140	
OFFSET	-2.763		-0.500	2.768	2.108

CHAINAGE 210.000

DIVERSION SWALE 01 CROSS SECTIONS (CONT.)

Centreline Data
X = 321904.645
Y = 6256000.547
Z = 2.087

DATUM RL 10		2.097		2.087	
FINISHED SURFACE		2.170		2.097	
EXISTING SURFACE			2.095	2.101	
OFFSET		-0.500		0.500	

CHAINAGE 263.263

Centreline Data
X = 321902.213
Y = 6255998.373
Z = 2.090

DATUM RL 10		2.427		2.101	
FINISHED SURFACE		2.427		2.101	2.403
EXISTING SURFACE			2.463	2.090	
OFFSET	-1.515		-0.535	2.484	1.411

CHAINAGE 260.000

Centreline Data
X = 321824.691
Y = 6255784.653
Z = 3.143

DATUM RL 2.0		3.681		3.153	
FINISHED SURFACE		3.681		3.153	3.760
EXISTING SURFACE			3.675	3.143	
OFFSET	-2.083		-0.500	0.500	2.320

CHAINAGE 40.000

Centreline Data
X = 321814.724
Y = 6255785.451
Z = 3.193

DATUM RL 2.0		3.595		3.203	
FINISHED SURFACE		3.595		3.203	3.718
EXISTING SURFACE			3.591	3.193	
OFFSET	-1.675		-0.500	0.500	2.045

CHAINAGE 30.000

Centreline Data
X = 321804.753
Y = 6255786.214
Z = 3.243

DATUM RL 2.0		3.513		3.253	
FINISHED SURFACE		3.513		3.253	3.656
EXISTING SURFACE			3.506	3.243	
OFFSET	-1.281		-0.500	0.500	1.708

CHAINAGE 20.000

Centreline Data
X = 321794.782
Y = 6255786.976
Z = 3.293

DATUM RL 2.0		3.407		3.303	
FINISHED SURFACE		3.407		3.303	3.478
EXISTING SURFACE			3.399	3.293	
OFFSET	-0.811		-0.500	0.500	1.026

CHAINAGE 10.000

Centreline Data
X = 321784.811
Y = 6255787.739
Z = 3.343

DATUM RL 2.0		3.350		3.343	
FINISHED SURFACE		3.350		3.359	
EXISTING SURFACE			3.350	3.343	
OFFSET	-0.022		-0.000	0.049	

CHAINAGE 0.000

DIVERSION SWALE 02 CROSS SECTIONS

Centreline Data
X = 321866.641
Y = 6255771.451
Z = 2.372

DATUM RL 10					
FINISHED SURFACE				2.358	
EXISTING SURFACE				2.358	
OFFSET			-0.042	0.000	0.039

CHAINAGE 85.939

Centreline Data
X = 321860.714
Y = 6255771.081
Z = 2.566

DATUM RL 2.0		2.668		2.576	
FINISHED SURFACE		2.668		2.566	2.672
EXISTING SURFACE			2.656	2.566	
OFFSET		-0.775	-0.500	0.000	0.787

CHAINAGE 80.000

Centreline Data
X = 321850.733
Y = 6255770.470
Z = 2.893

DATUM RL 2.0		3.233		2.893	
FINISHED SURFACE		3.233		2.893	3.295
EXISTING SURFACE			3.202	2.893	
OFFSET	-1.491		-0.500	0.500	1.675

CHAINAGE 70.000

Centreline Data
X = 321842.132
Y = 6255775.310
Z = 3.043

DATUM RL 2.0		3.556		3.053	
FINISHED SURFACE		3.556		3.053	3.760
EXISTING SURFACE			3.550	3.043	
OFFSET	-2.009		-0.500	0.500	2.622

CHAINAGE 60.000

Centreline Data
X = 321833.867
Y = 6255780.940
Z = 3.093

DATUM RL 2.0		3.639		3.103	
FINISHED SURFACE		3.639		3.103	3.691
EXISTING SURFACE			3.646	3.093	
OFFSET	-2.108		-0.500	0.500	2.245

CHAINAGE 50.000

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	02.03.18	



SEKISUI HOUSE

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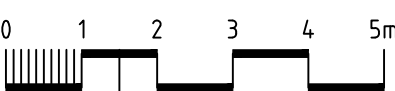


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SCALE 1:100 @ A1





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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

14 - 16 HILL ROAD,
WENTWORTH POINT

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

DIVERSION SWALE 01 & 02
CROSS SECTIONS - SHEET
02

JOB NUMBER

170973

DRAWING NUMBER

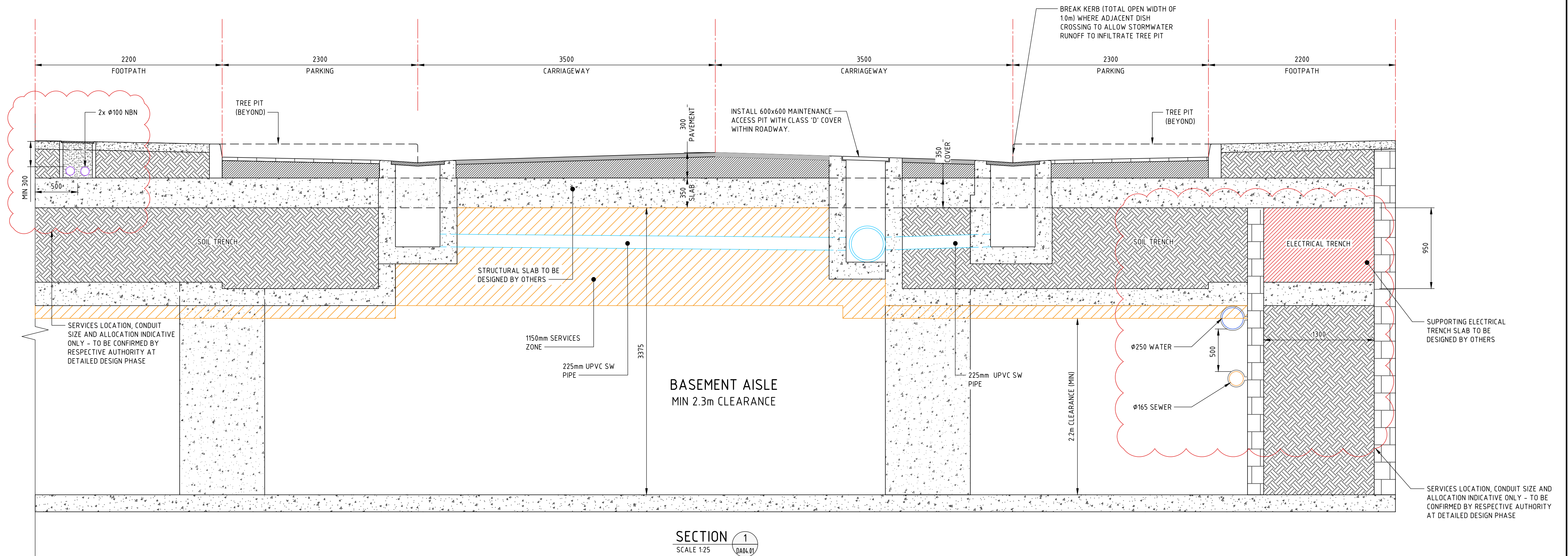
DA05.20

REVISION

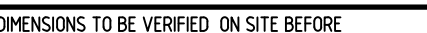
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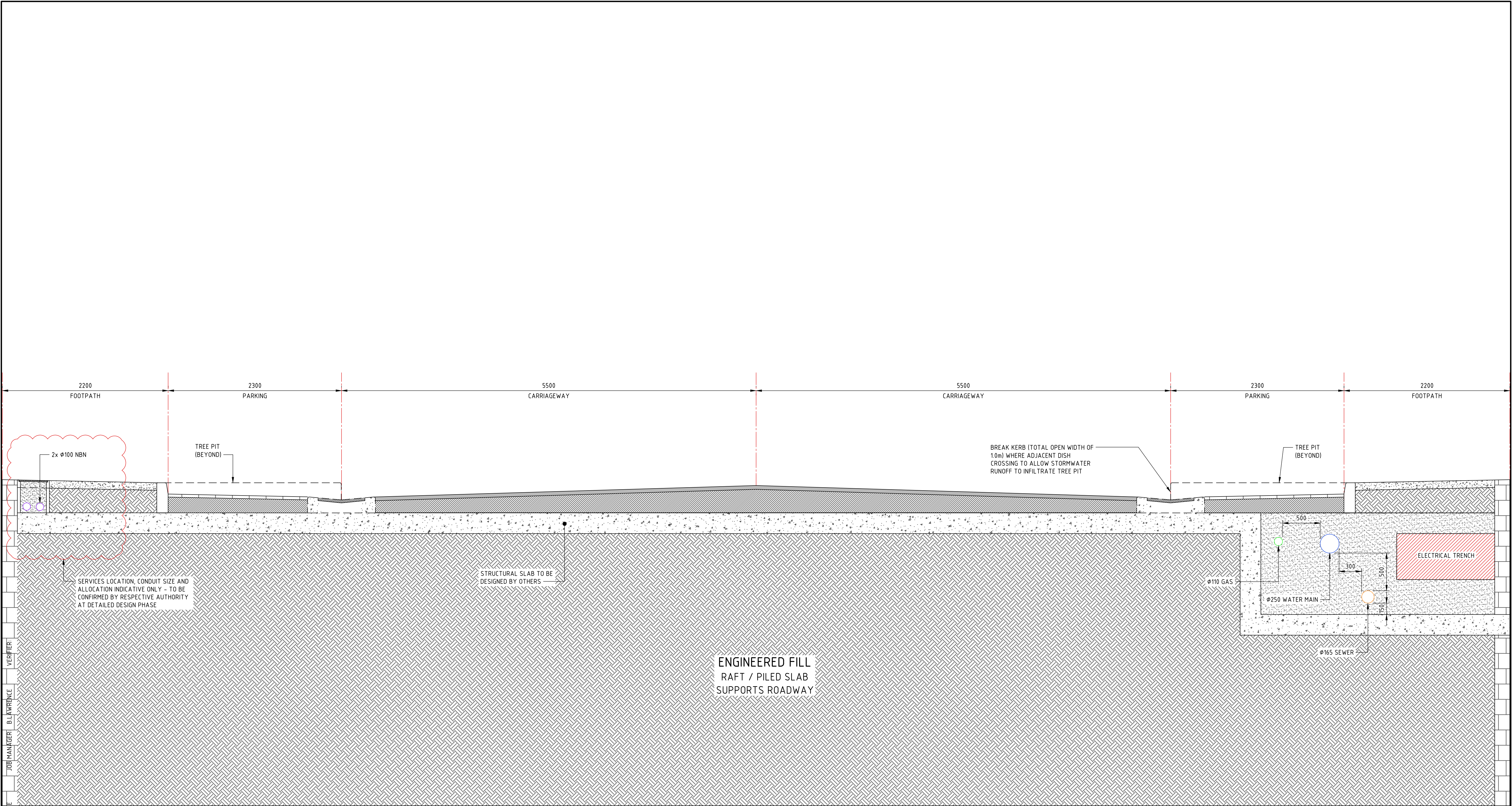
DRAWING SHEET SIZE = A1

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:



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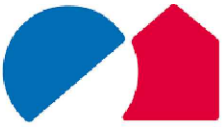
REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE		PROJECT	DRAWING TITLE	JOB NUMBER
01	ISSUED FOR COORDINATION	JO		BL	25.08.17	 SEKISUI HOUSE DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	TURNER THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD	 SCALE 1:25@ A1	Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE TYPICAL ROAD SECTIONS - SHEET 01	170973	
02	ISSUED FOR CLIENT REVIEW	JO		BL	30.08.17							DRAWING NUMBER	REVISION
03	ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	31.08.17							DA07.01	06
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	20.11.17							DRAWING SHEET SIZE = A1	
05	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18								
06	FINAL ISSUE FOR DEVELOPMENT APPLICATION	AM		BL	16.04.18								



DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER: BLAWRENCE
DRAWN: JO

SECTION 3
SCALE 1:25

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18
02	FINAL ISSUE FOR DEVELOPMENT APPLICATION	AM		BL	16.04.18



SEKISUI HOUSE

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ARCHITECT



TURNER

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SCALE 1:25@ A1





NORTHROP

Sydney

Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

**14 - 16 HILL ROAD,
WENTWORTH POINT**

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

**TYPICAL ROAD SECTIONS -
SHEET 02**

JOB NUMBER

170973

DRAWING NUMBER

DA07.02

REVISION

02

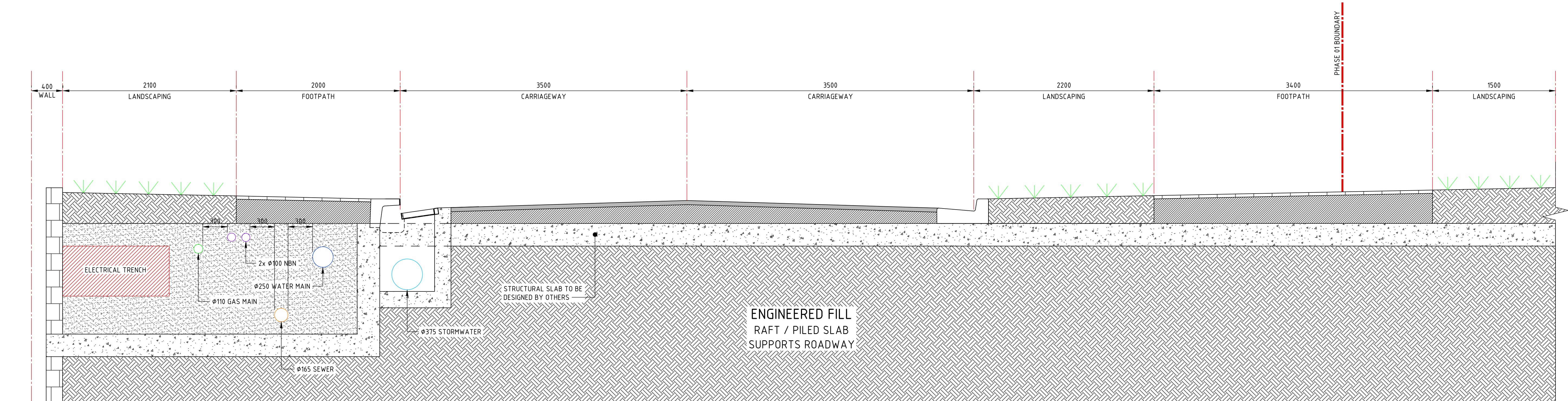
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SECTION 2
SCALE 1:25 DA04.01

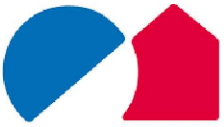
REVISION		DESCRIPTION		ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.		 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100		PROJECT	DRAWING TITLE	JOB NUMBER		
01		RE-ISSUED FOR DEVELOPMENT APPLICATION		AM		BL	05.03.18	 SEKISUI HOUSE	 TURNER	SCALE 1:25@A1 			14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE	170973			
02		FINAL ISSUE FOR DEVELOPMENT APPLICATION		AM		BL	16.04.18								DRAWING NUMBER	REVISION		
								DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED.	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD					TYPICAL ROAD SECTIONS - SHEET 03	DA07.03	02		
																	DRAWING SHEET SIZE = A1	

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:



SECTION 4
SCALE 1:25

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18
02	FINAL ISSUE FOR DEVELOPMENT APPLICATION	AM		BL	16.04.18



SEKISUI HOUSE

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ARCHITECT



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SCALE 1:25@ A1





NORTHROP

Sydney

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Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

**14 - 16 HILL ROAD,
WENTWORTH POINT**

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

**TYPICAL ROAD SECTIONS -
SHEET 04**

JOB NUMBER

170973

DRAWING NUMBER

DA07.04

REVISION

02

DRAWING SHEET SIZE = A1



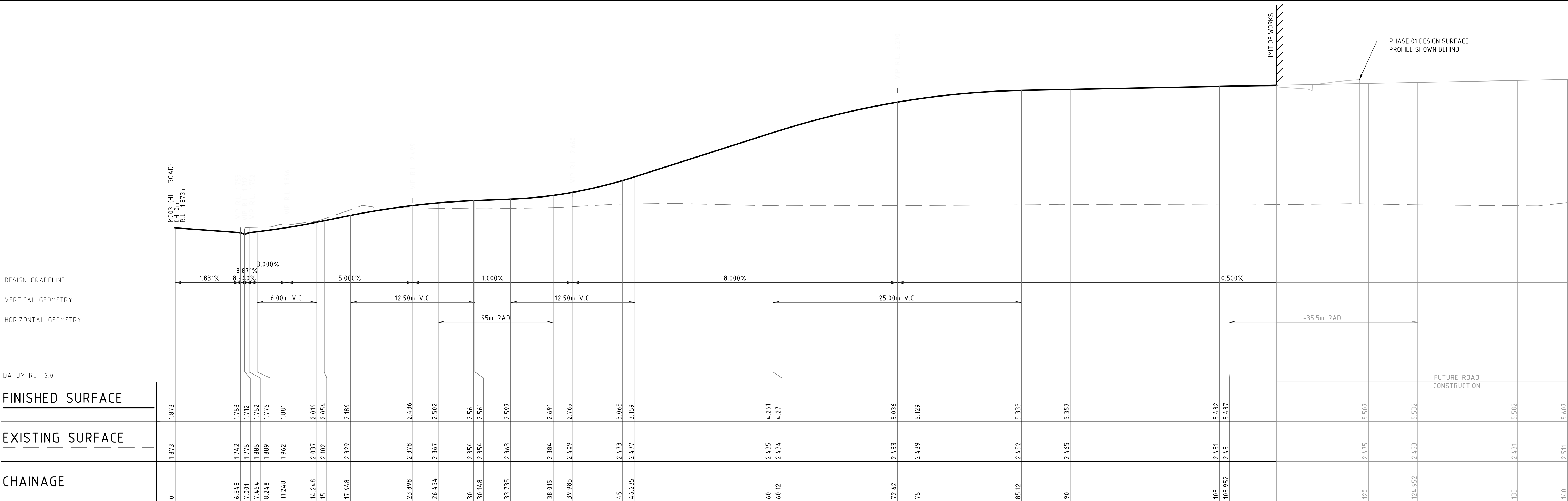
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VERTICAL SCALE 1:50@A1



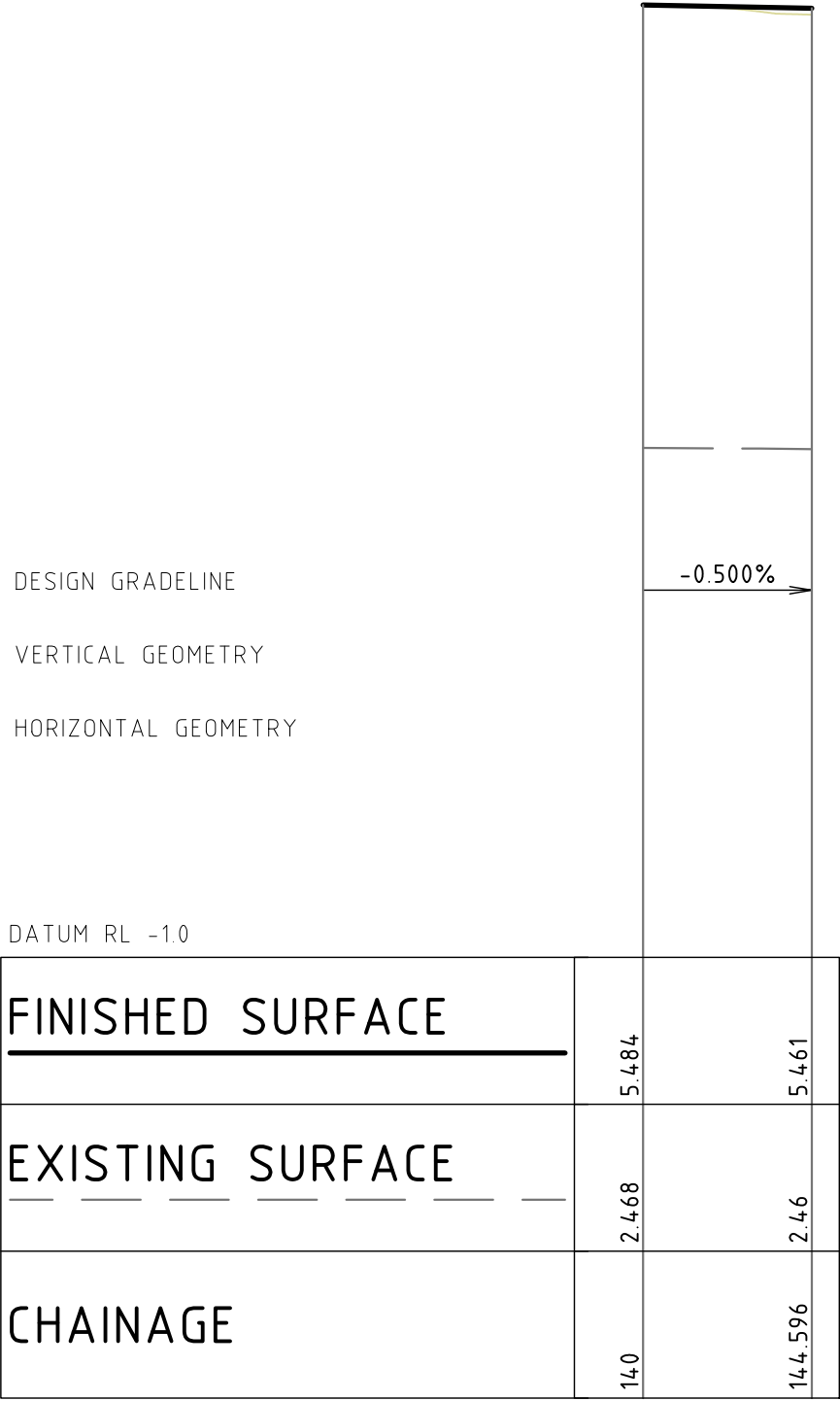
HORIZONTAL SCALE 1:200@A
VERTICAL SCALE 1:50@A1

REVISION		DESCRIPTION		ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.		 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100		PROJECT	DRAWING TITLE		JOB NUMBER
01		ISSUED FOR COORDINATION		JO		BL	25.08.17	 SEKISUI HOUSE	 TURNER	SCALE 1:200 @ A1 0 2 4 6 8 10m		 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE		170973	
02		ISSUED FOR CLIENT REVIEW		JO		BL	30.08.17			SCALE 1:40 @ A1 0.0 0.4 0.8 1.2 1.6 2.0m				DRAWING NUMBER	REVISION		
03		ISSUED FOR DEVELOPMENT APPLICATION		JO		BL	31.08.17							DA08.01	05		
04		RE-ISSUED FOR DEVELOPMENT APPLICATION		JO		BL	20.11.17							DRAWING SHEET SIZE = A1			
05		RE-ISSUED FOR DEVELOPMENT APPLICATION		AM		BL	05.03.18										
								DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED.	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD								

DRAWN: JO
 DESIGNED: BLAWRENCE
 JOB MANAGER: BLAWRENCE
 VERIFIER:

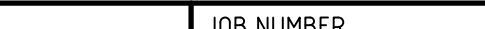


LONGITUDINAL SECTION ALONG MC03
 HORIZONTAL SCALE 1:200@A1
 VERTICAL SCALE 1:50@A1

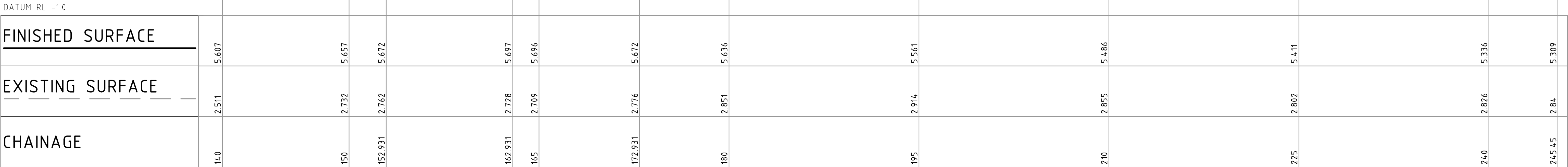


LONGITUDINAL SECTION ALONG MC02
 HORIZONTAL SCALE 1:200@A1
 VERTICAL SCALE 1:50@A1

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.		 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	PROJECT	DRAWING TITLE	JOB NUMBER
01	ISSUED FOR COORDINATION	JO		BL	25.08.17	 SEKISUI HOUSE	 TURNER	 SCALE 1:200@A1 SCALE 1:40@A1	14 - 16 HILL ROAD, WENTWORTH POINT		CIVIL ENGINEERING PACKAGE	170973	
02	ISSUED FOR CLIENT REVIEW	JO		BL	30.08.17								
03	ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	31.08.17								
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	20.11.17								
05	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18								
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD				ROAD LONGITUDINAL SECTIONS - MC02	DRAWING NUMBER DA08.02	REVISION 05
											DRAWING SHEET SIZE = A1		

DRAWN: JO
DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:



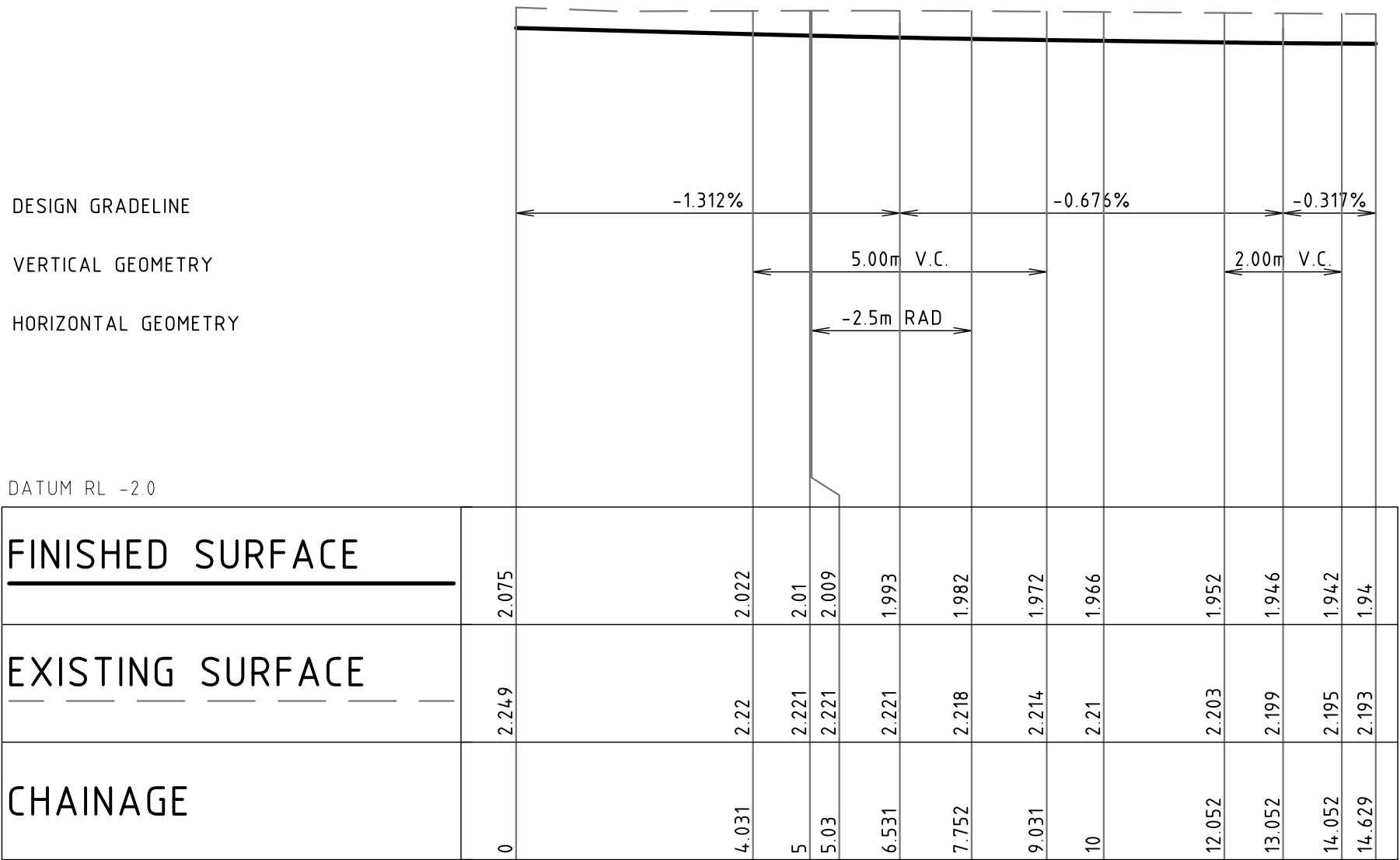
LONGITUDINAL SECTION ALONG MC03

HORIZONTAL SCALE 1:200@A1
VERTICAL SCALE 1:50@A1

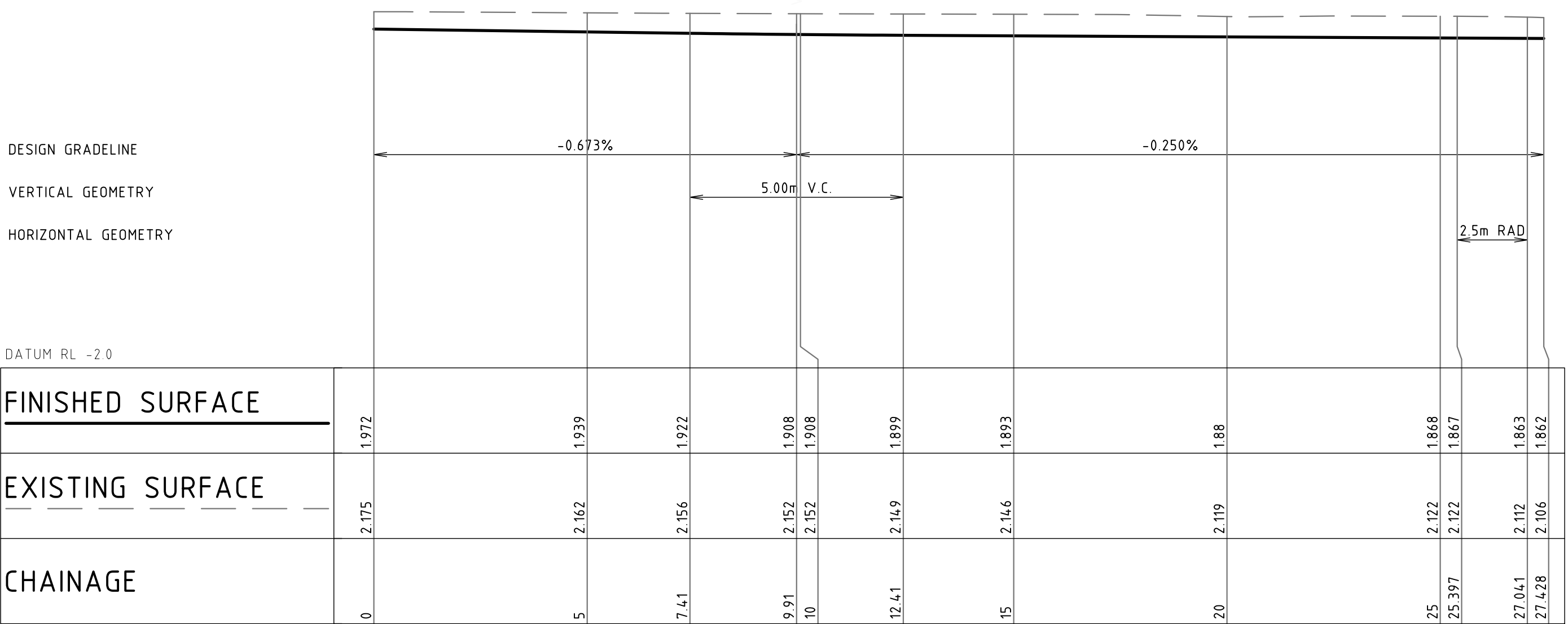
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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.		PROJECT	DRAWING TITLE	JOB NUMBER
01	ISSUED FOR COORDINATION	JO		BL	25.08.17	 SEKISUI HOUSE	 TURNER	 NORTHROP Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE	170973	
02	ISSUED FOR CLIENT REVIEW	JO		BL	30.08.17							DRAWING NUMBER
03	ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	31.08.17						DA08.03	05
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	20.11.17						DRAWING SHEET SIZE = A1	
05	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18							
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD					

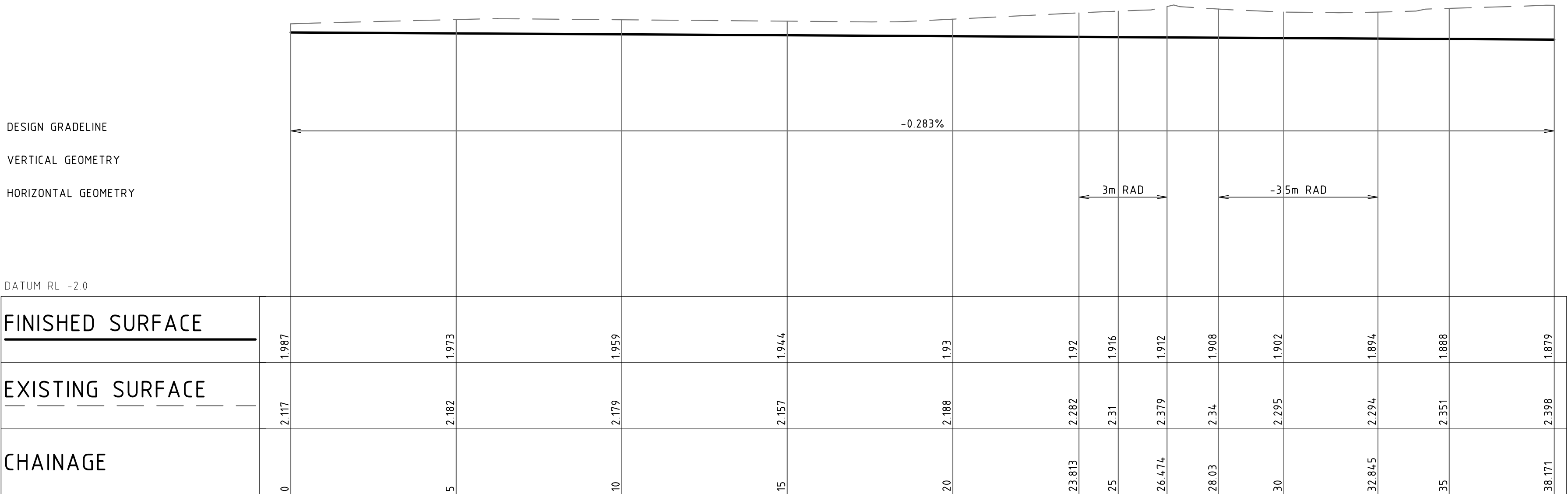
DESIGNED: BLAWRENCE JOB MANAGER: BLAWRENCE VERIFIER: DRAWN: JO



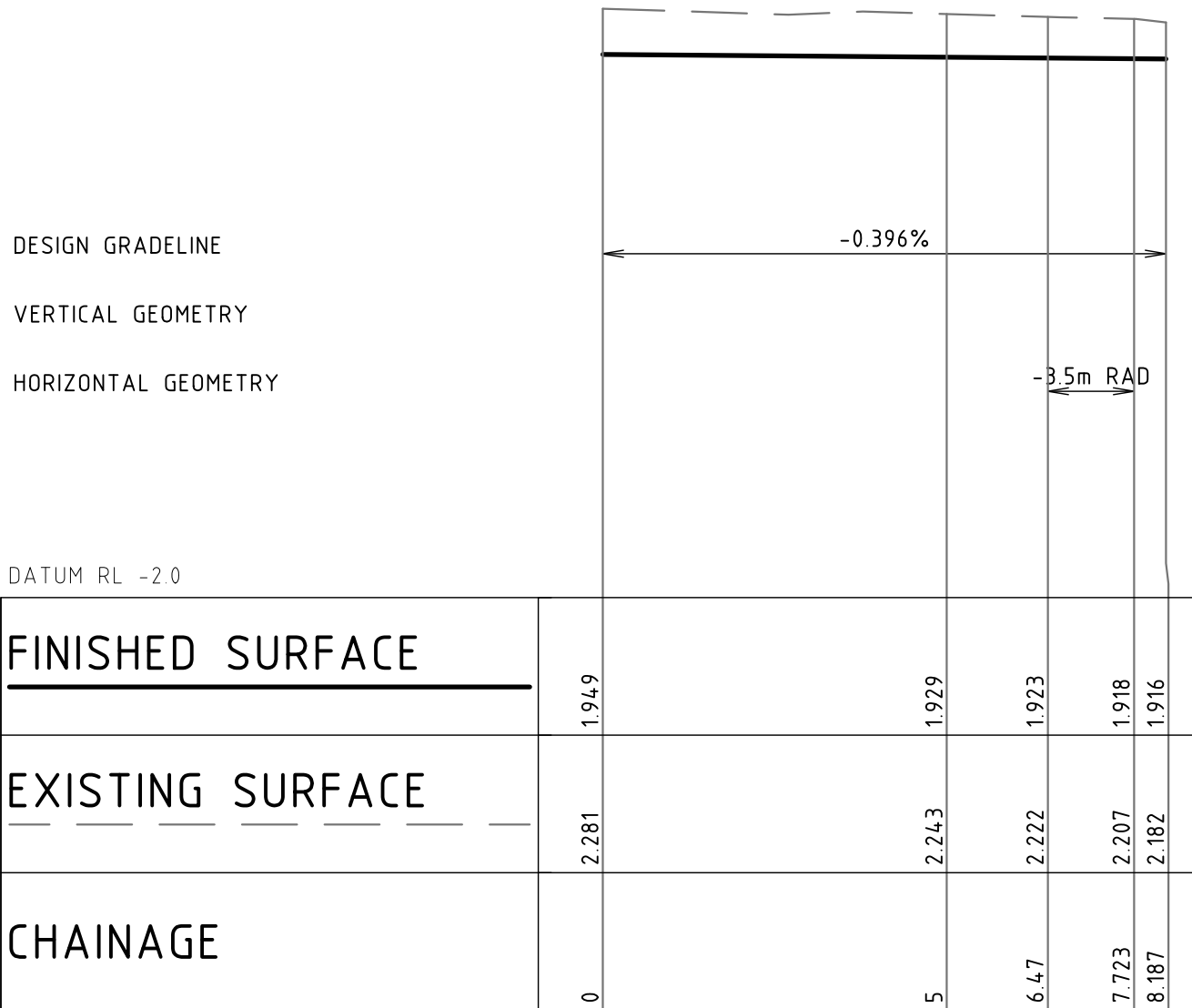
LONGITUDINAL SECTION ALONG SWALE 01
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:50@A1



LONGITUDINAL SECTION ALONG SWALE 02
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:50@A1



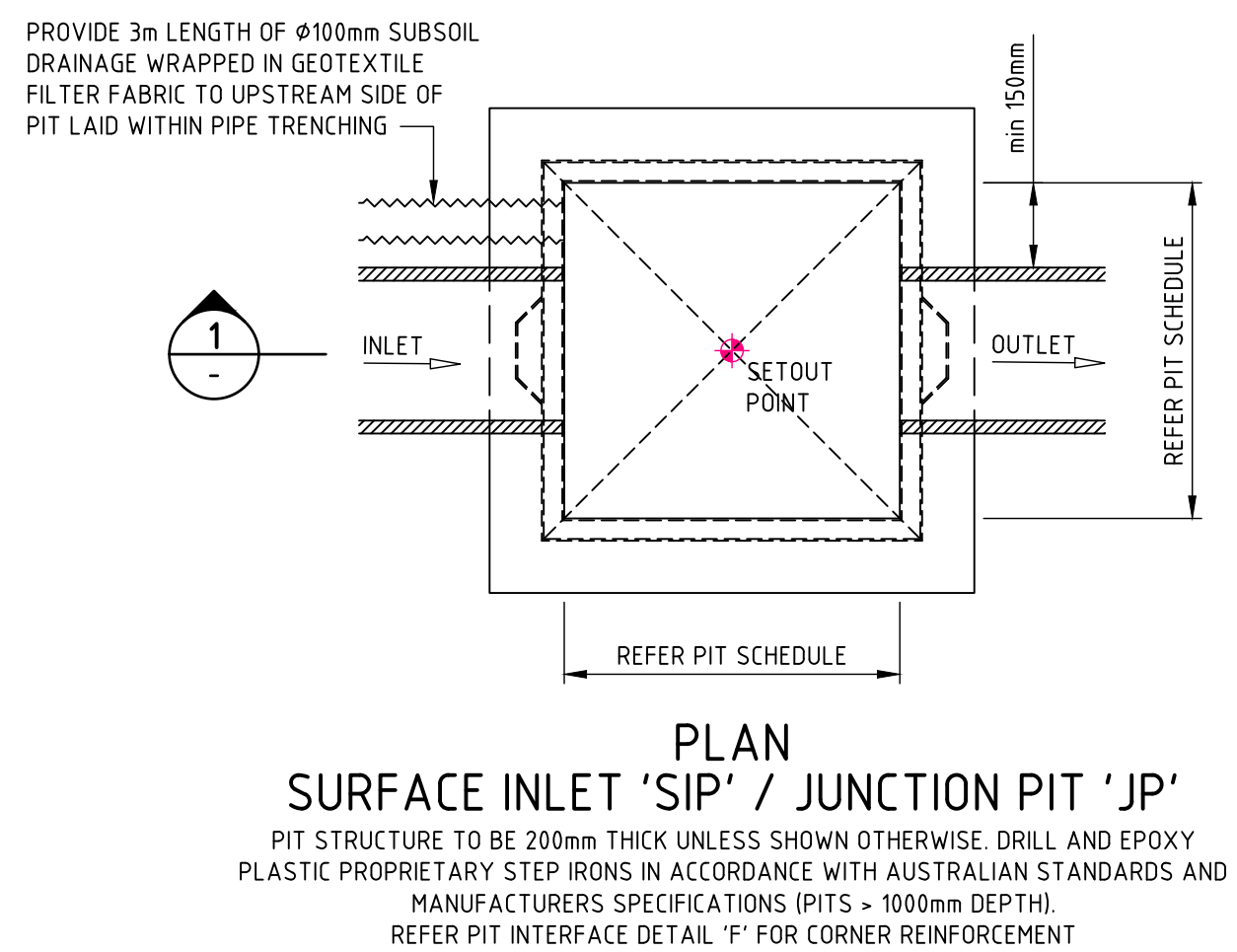
LONGITUDINAL SECTION ALONG SWALE 03
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:50@A1



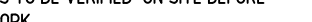
LONGITUDINAL SECTION ALONG SWALE 04
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:50@A1

NOT FOR CONSTRUCTION

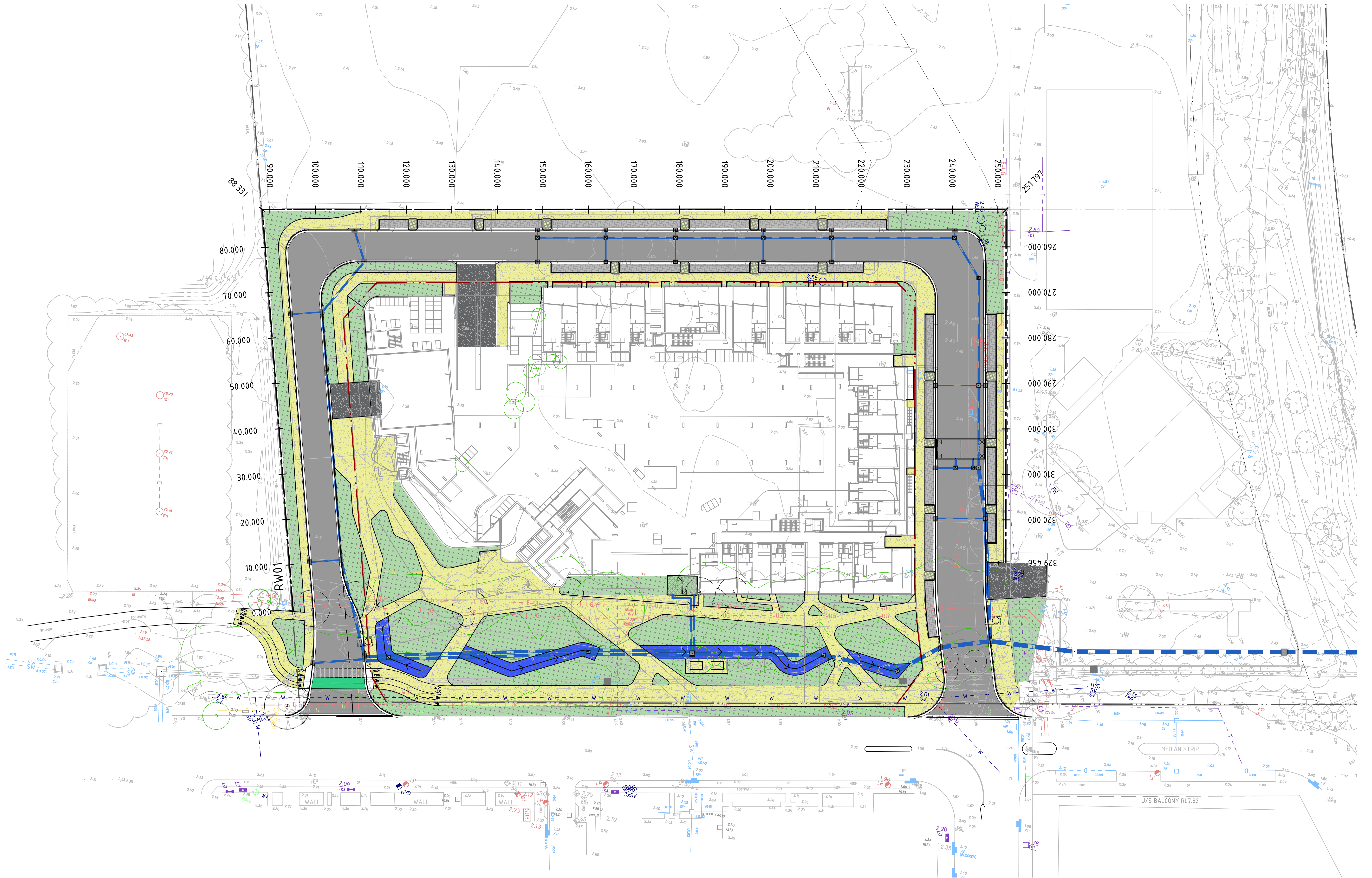
REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	PROJECT		DRAWING TITLE	JOB NUMBER	
01	ISSUED FOR COORDINATION	JO		BL	25.08.17	 SEKISUI HOUSE DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	 TURNER THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD	 NORTHROP Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE SWALE LONGITUDINAL SECTIONS	170973	
02	ISSUED FOR CLIENT REVIEW	JO		BL	30.08.17						DRAWING NUMBER	REVISION
03	ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	31.08.17						DA08.21	05
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	20.11.17						DRAWING SHEET SIZE = A1	
05	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18							



NOT FOR CONSTRUCTION

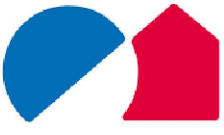
REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	SCALE	PROJECT	DRAWING TITLE	JOB NUMBER	
01	ISSUED FOR COORDINATION	JO		BL	25.08.17	 SEKISUI HOUSE	 TURNER	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE	 NORTHROP Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE	170973
02	ISSUED FOR CLIENT REVIEW	JO		BL	30.08.17							
03	ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	31.08.17							
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	20.11.17							
05	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18							
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED						THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD	SCALE VARIES					
DRAWING SHEET SIZE = A1												

DESIGNED: BLAWRENCE
JOB MANAGER: BLAWRENCE
VERIFIER:
DRAWN: JO



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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ADDITIONAL INFORMATION FOR DEVELOPMENT APPLICATION	JO		BL	14.11.17
02	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	20.11.17
03	CAR PARKING ARRANGEMENT UPDATED	JO		BL	19.01.18
04	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18



SEKISUI HOUSE

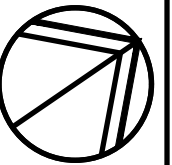
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS
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ARCHITECT



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SCALE 1:400@A1





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PROJECT

**14 - 16 HILL ROAD,
WENTWORTH POINT**

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

**RETAINING WALL ALIGNMENT
PLAN**

JOB NUMBER

170973

DRAWING NUMBER

DA11.01

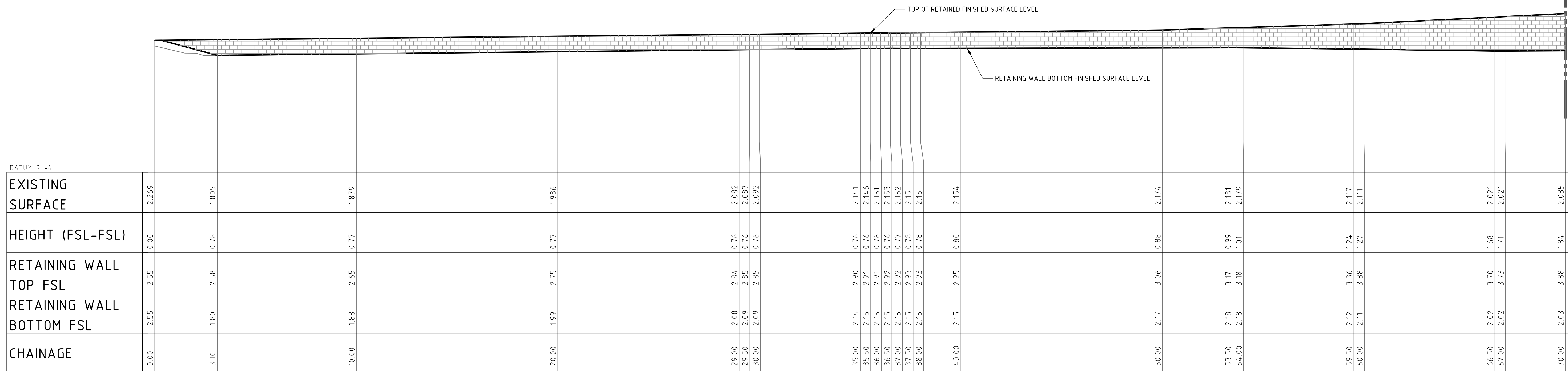
REVISION

04

DRAWING SHEET SIZE = A1

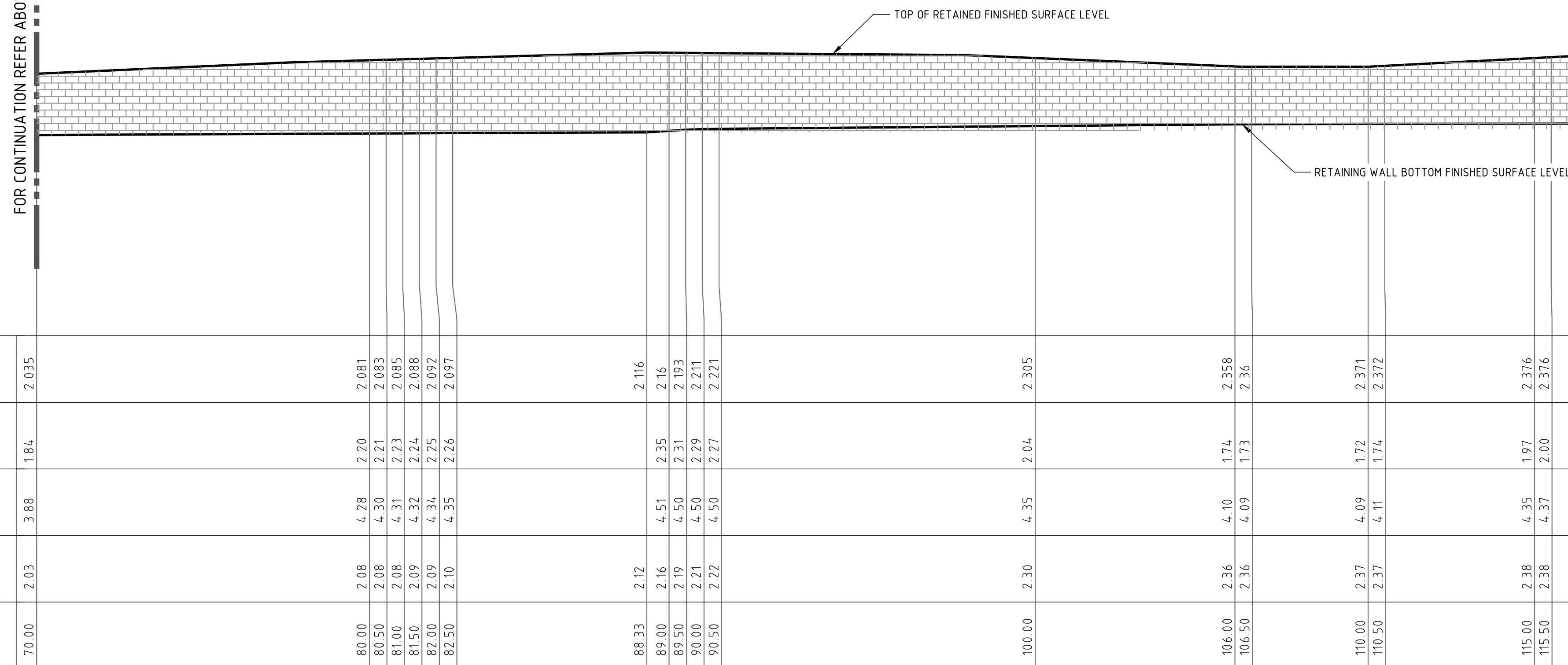
REFER RELEVANT ARCHITECTURAL PLANS FOR
RETAINING WALL TYPICAL SECTION AND
CONSTRUCTION DETAIL

FOR CONTINUATION REFER BELOW



HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:100@A1

FOR CONTINUATION REFER SHEET DA11.12



HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:100@A1

DRAWN: J.O

VERIFIER:

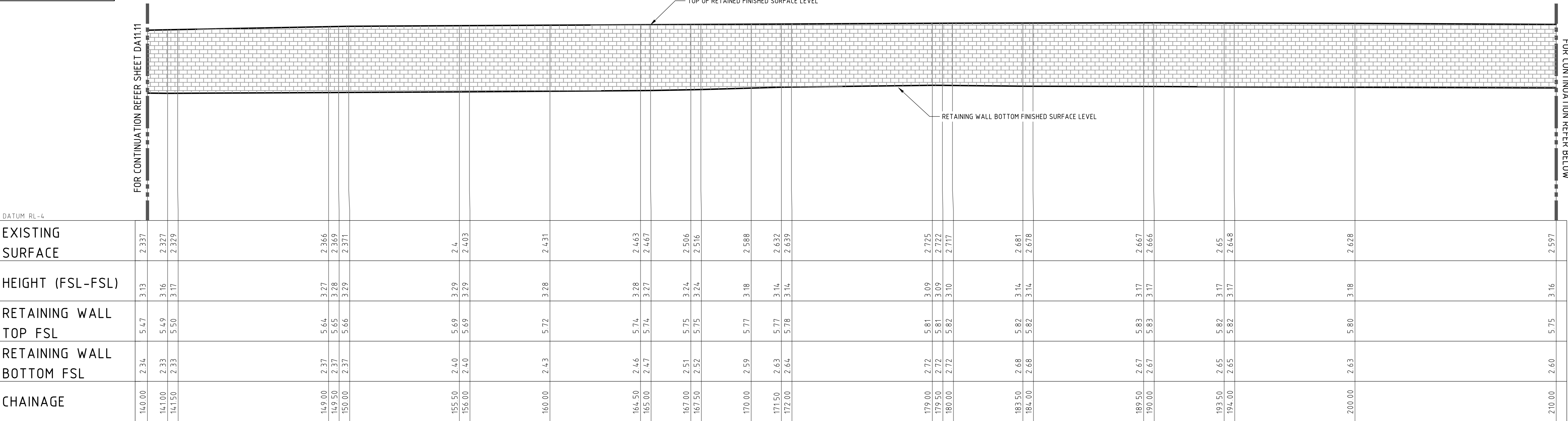
LAWRENCE

LAWRENCE

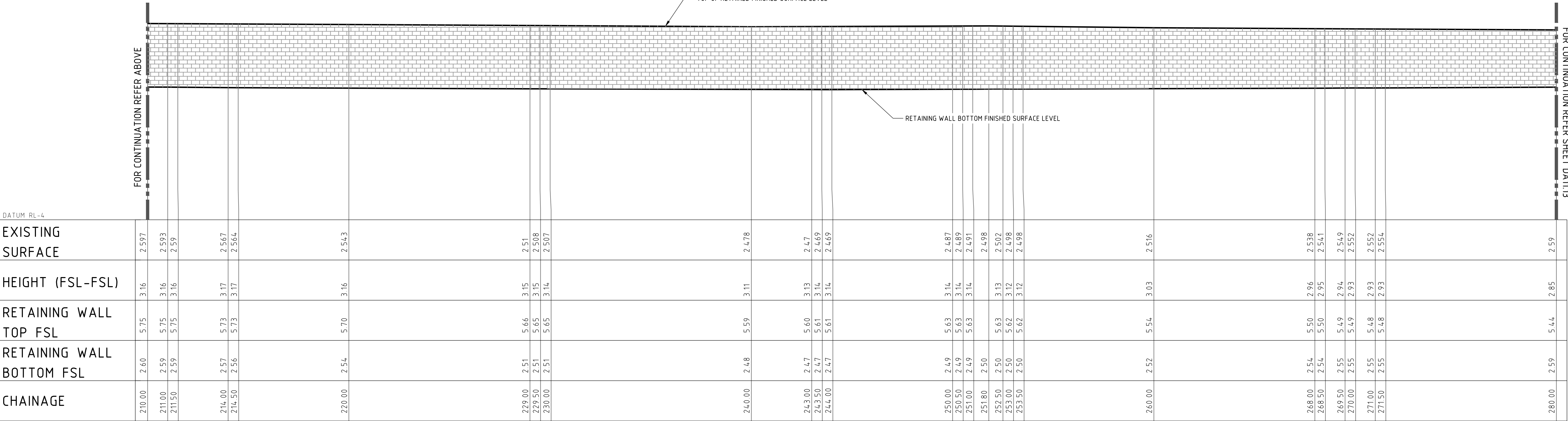
DRAWN: J.O

REVISION		DESCRIPTION		ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COLORED TO BLACK & WHITE	PROJECT	DRAWING TITLE	JOB NUMBER
01	ADDITIONAL INFORMATION FOR DEVELOPMENT APPLICATION			JO		BL	14.11.17	 SEKISUI HOUSE	 TURNER	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	 SCALE 1:100 @ A1	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE	170973
02	RE-ISSUED FOR DEVELOPMENT APPLICATION			JO		BL	20.11.17							
03	RE-ISSUED FOR DEVELOPMENT APPLICATION			AM		BL	05.03.18							
								DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD			DRAWING NUMBER	REVISION	
													DA11.11	03
													DRAWING SHEET SIZE = A1	

NOTE:
REFER RELEVANT ARCHITECTURAL
PLANS FOR RETAINING WALL
TYPICAL SECTION AND
CONSTRUCTION DETAIL



ELEVATION - RW01
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:100@A1



ELEVATION - RW01
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:100@A1

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE		 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	PROJECT	DRAWING TITLE	JOB NUMBER
01	ADDITIONAL INFORMATION FOR DEVELOPMENT APPLICATION	JO		BL	14.11.17	 SEKISUI HOUSE	 TURNER	 SCALE 1:100 @ A1	14 - 16 HILL ROAD, WENTWORTH POINT		CIVIL ENGINEERING PACKAGE	170973	
02	RE-ISSUED FOR DEVELOPMENT APPLICATION	JO		BL	20.11.17				RETAINING WALL ELEVATIONS SHEET 02 OF 03		DRAWING NUMBER	REVISION	
03	RE-ISSUED FOR DEVELOPMENT APPLICATION	AM		BL	05.03.18				DA11.12		03		
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD			DRAWING SHEET SIZE = A1			

REFER RELEVANT ARCHITECTURAL PLANS FOR RETAINING WALL
TYPICAL SECTION AND CONSTRUCTION DETAIL

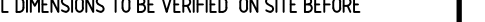


VERIFIER:

B.LAWRENCE

B.LAWRENCE

or

REVISION		DESCRIPTION		ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE		PROJECT		DRAWING TITLE		JOB NUMBER		
01	ADDITIONAL INFORMATION FOR DEVELOPMENT APPLICATION							JO	BL	14.11.17	 SEKISUI HOUSE	 TURNER	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	14 - 16 HILL ROAD, WENTWORTH POINT	CIVIL ENGINEERING PACKAGE		170973	
02	RE-ISSUED FOR DEVELOPMENT APPLICATION							JO	BL	20.11.17					DRAWING NUMBER	REVISION		
03	RE-ISSUED FOR DEVELOPMENT APPLICATION							AM	BL	05.03.18					DA11.13	03		
								DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED.	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD		SCALE 1:100 @ A1		RETAINING WALL ELEVATIONS SHEET 03 OF 03		DRAWING SHEET SIZE = A1			