

PROPOSED STATE HIGH SCHOOL

REF: SINSW002270

105 - 107 MITCHELL STREET , WEE WAA NSW 2388

LOTS 124 & 125 DP 757125, LOT 2 DP 550633 AND LOT 1 DP577294

CIVIL DRAWINGS FOR PLANNING APPROVAL

SCHEDULE OF CIVIL WORKS DRAWINGS:

GENERAL PLANS:

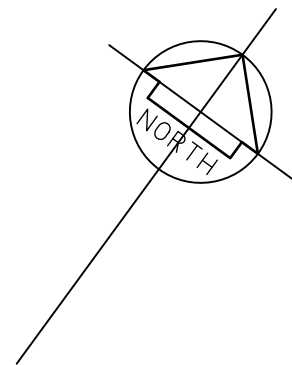
C01	COVER SHEET & LOCALITY
C02	SITE LAYOUT PLAN
C03	STORMWATER CHANNEL No.2, 3 & 4 LONGITUDINAL SECTIONS
C04	STORMWATER CHANNEL CROSS SECTIONS
C05	FILL PAD SCHOOL BUILDINGS CROSS SECTIONS
C06	FILL PAD OVAL CROSS SECTIONS
C07	BULK EARTHWORKS PLAN
C08	CONCEPT STORMWATER DRAINAGE PLAN
C09	STORMWATER LONGSECTIONS - SHEET 1 OF 2
C10	STORMWATER LONGSECTIONS - SHEET 2 OF 2



LOCALITY PLAN
N.T.S.

PLANS TO BE
PRINTED IN COLOUR

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		DRAWN	TROY RYDEN	SCALE	AS SHOWN					DRAWING TITLE: COVER SHEET & LOCALITY									
		SURVEYING	BARNSON PTY LTD	SHEET SIZE	A1					DWG No: C01									
		DATE	22.02.2022	DATE	31.01.2022					SHEET: 1 OF 10									
2	RE-ISSUED FOR APPROVAL - SSD RFI	DATE	22.02.2022			NOT FOR CONSTRUCTION													
1	ISSUED FOR CLIENT REVIEW	DATE	31.01.2022																
0	ISSUED FOR APPROVAL	DATE	12.10.2021																
ISSUE	DESCRIPTION	DATE																	



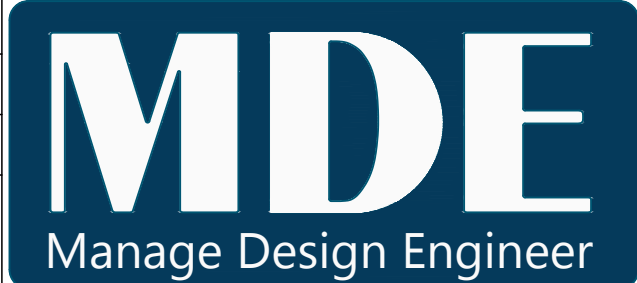
LEGEND

- SUBJECT LOT BOUNDARY
- NATURAL SURFACE CONTOURS 0.25M INTERVAL
- EXISTING TOP OF BANK
- EXISTING BOTTOM OF BANK
- EXISTING WATER
- EXISTING OVERHEAD POWERLINE
- EXISTING OPTICAL FIBRE
- EXISTING STORMWATER PIPE
- EXISTING STORMWATER BOX CULVERT
- PROPOSED OPEN CHANNEL
- PROPOSED STORMWATER PIPE
- EXISTING POWER POLE
- EXISTING COMMUNICATION PIT
- EXISTING COMMUNICATION POLE
- EXISTING SEWER MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING STOP VALVE
- PROPOSED SPORTS OVAL
- EXISTING ROAD PAVEMENT
- PROPOSED ROAD PAVEMENT / PARKING AREAS
- FLOOD MITIGATION MANAGEMENT AREA (SUBJECT TO A SEPARATE PLANNING APPROVAL)
- EXISTING STRUCTURES
- PROPOSED SCHOOL BUILDINGS
- PROPOSED STORMWATER CHANNEL
- STORMWATER CHANNEL (SUBJECT TO A SEPARATE PLANNING APPROVAL)

NOTE:
the location of underground services shown are indicative only. the contractor is responsible for contacting all authorities to determine the location of underground services prior to the commencement of construction work. any clash of works with a service is to be reported to the engineer immediately. the contractor shall ensure that all services are fully protected during construction, any services damaged during construction shall be repaired at the contractors expense.

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DRAWN	TROY RYDEN	SCALE:	AS SHOWN
SURVEYING	BARNSON PTY LTD	SHEET SIZE:	A1
2	RE-ISSUED FOR APPROVAL - SSD RFI	22.02.2022	
1	ISSUED FOR CLIENT REVIEW	31.01.2022	
0	ISSUED FOR APPROVAL	12.10.2021	
ISSUE	DESCRIPTION	DATE	

NOT FOR CONSTRUCTION

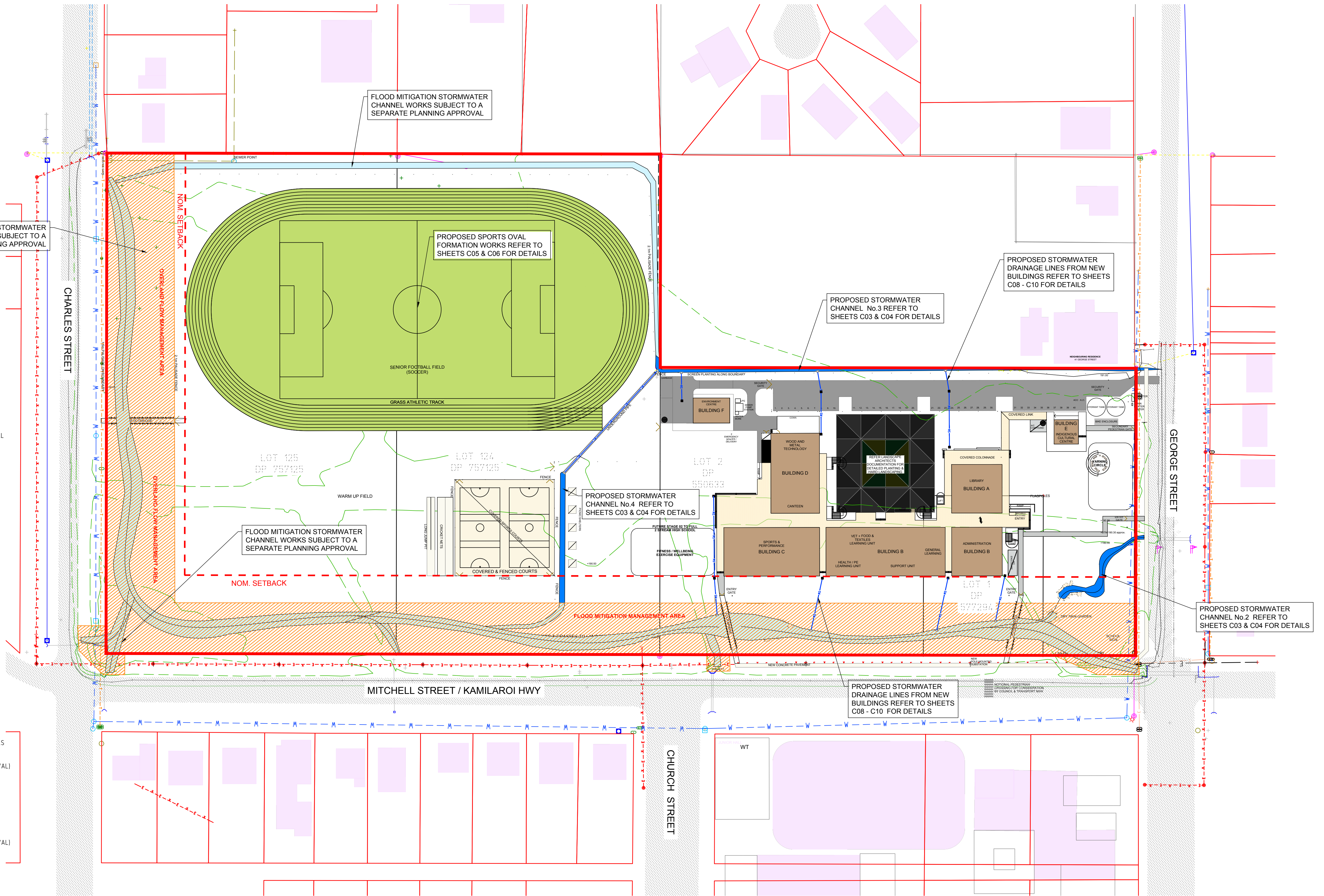


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CLIENT
NSW GOVERNMENT
DEP. EDUCATION - SCHOOL INFRASTRUCTURE
TITLE
PROPOSED WEE WAA HIGH SCHOOL

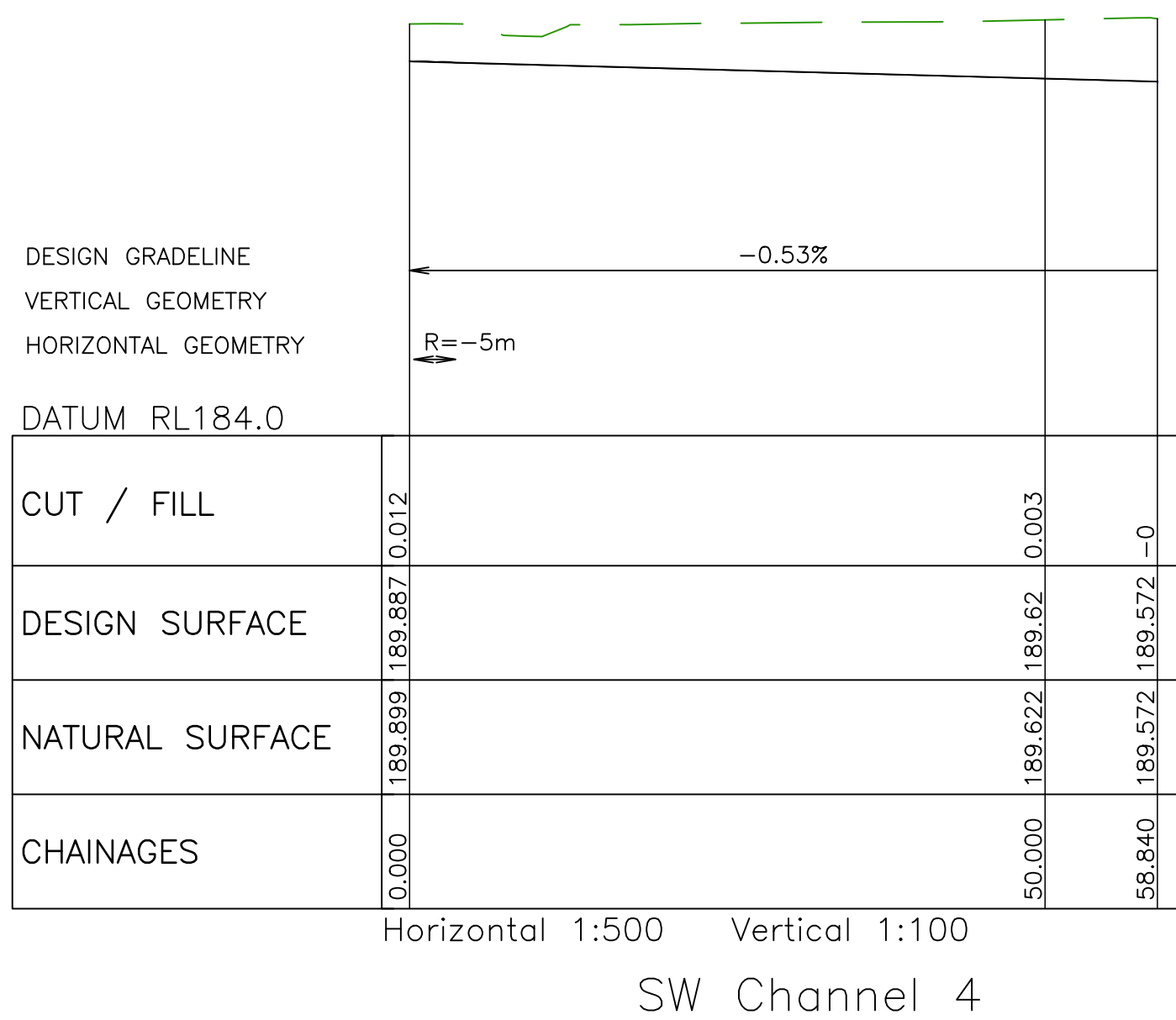
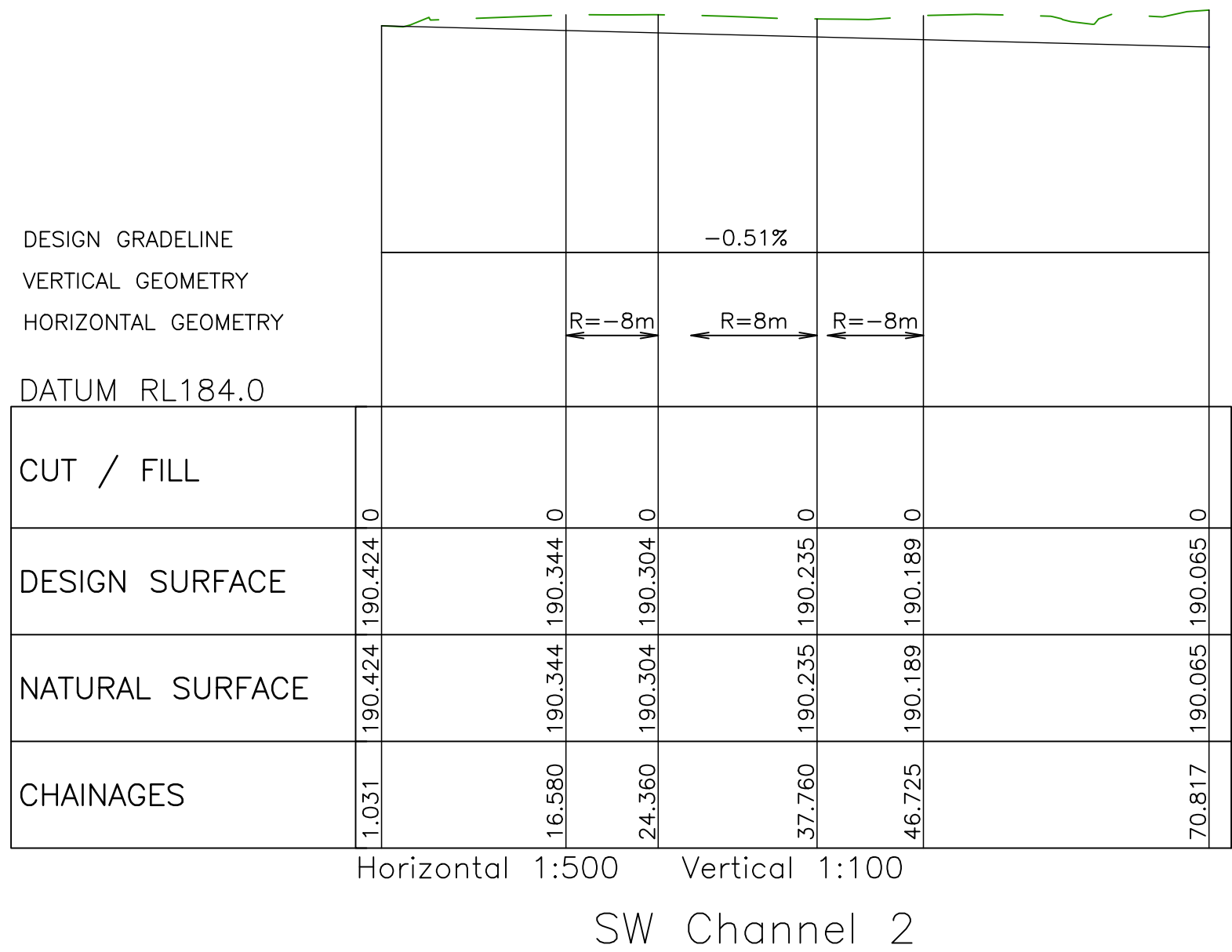
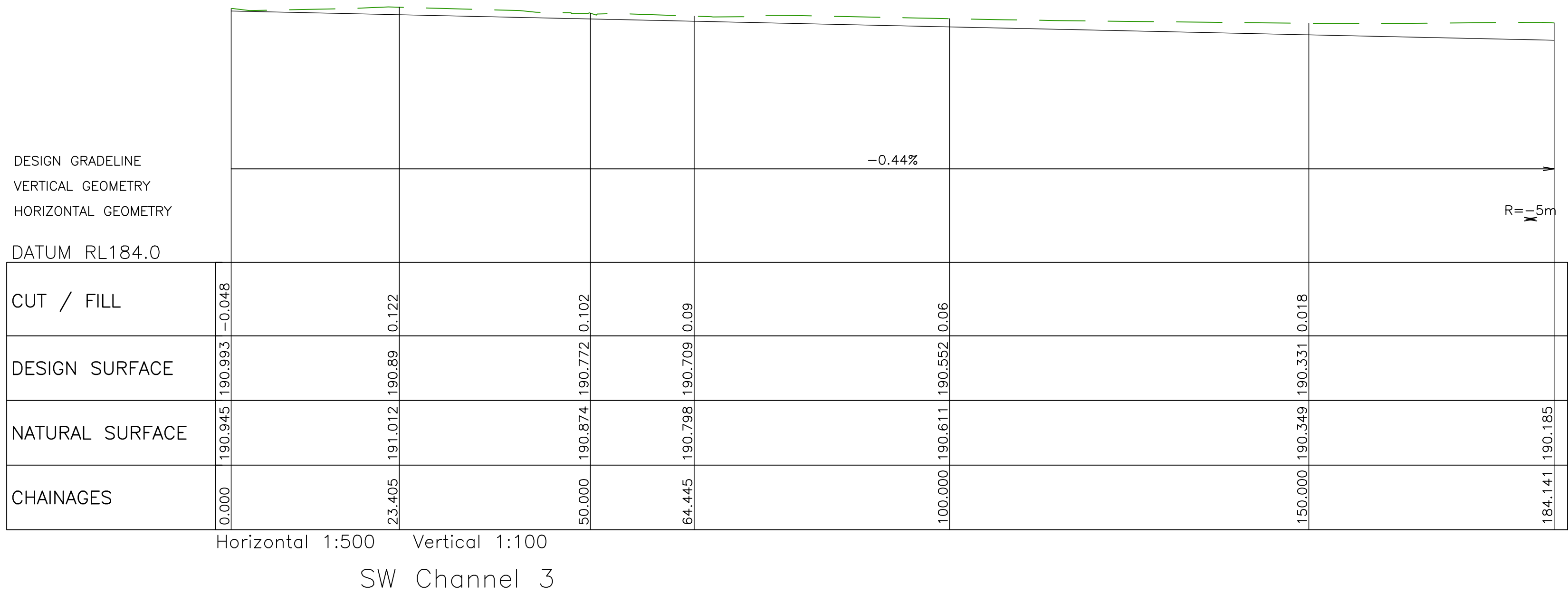
PROJECT
LOTS 124 & 125 DP757125, LOT 2 DP550633 & LOT 1 DP577294
105 - 107 MITCHELL STREET
WEE WAA NSW, 2388

CIVIL PLAN			
DRAWING TITLE: SITE LAYOUT PLAN			
DWG No:	C02	SHEET: 2 OF 10	REV: 2



Horizontal Scale 1:750 (A1)
1:1500 (A3)

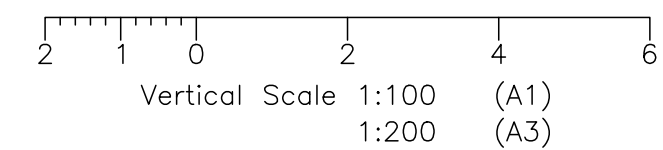
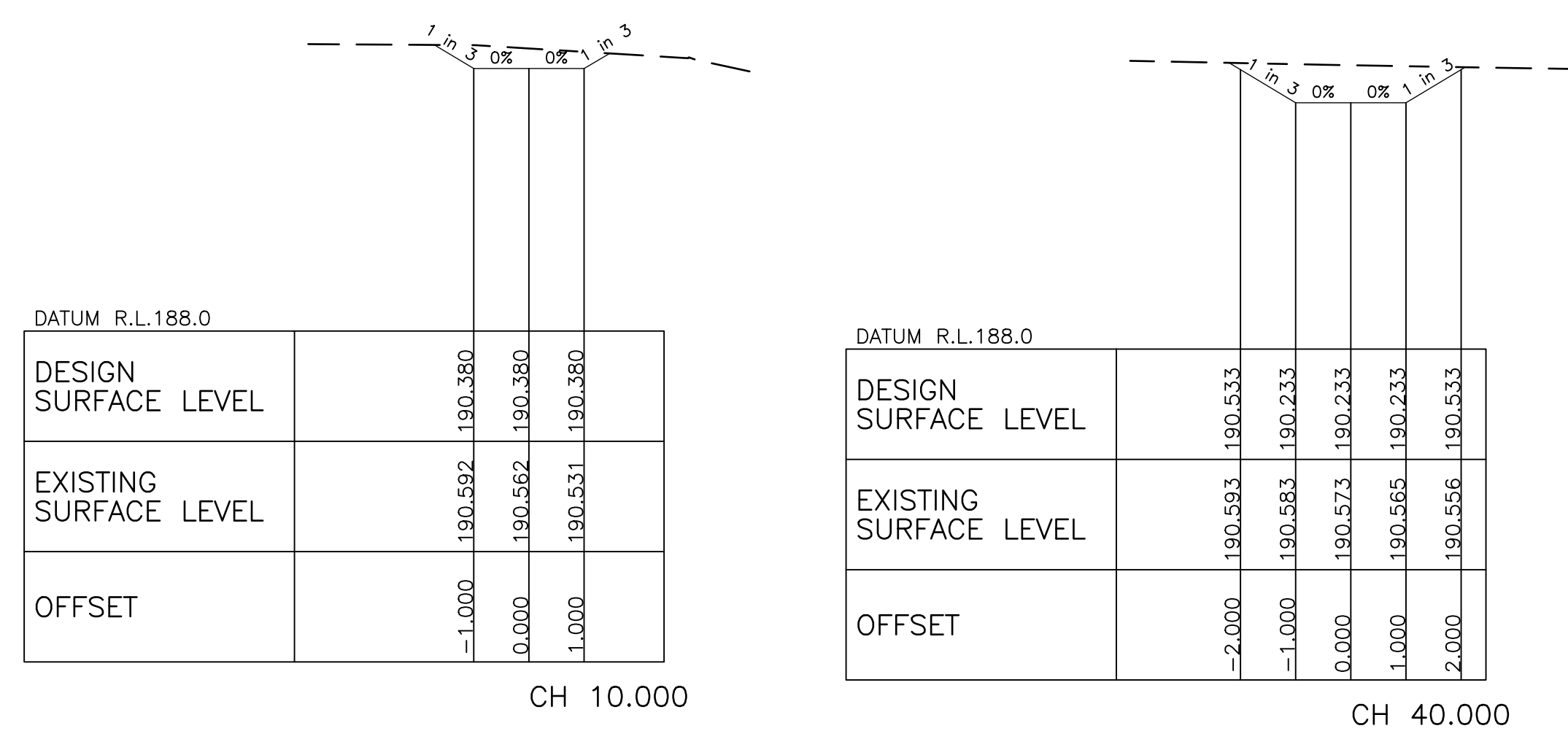
PLANS TO BE
PRINTED IN COLOUR



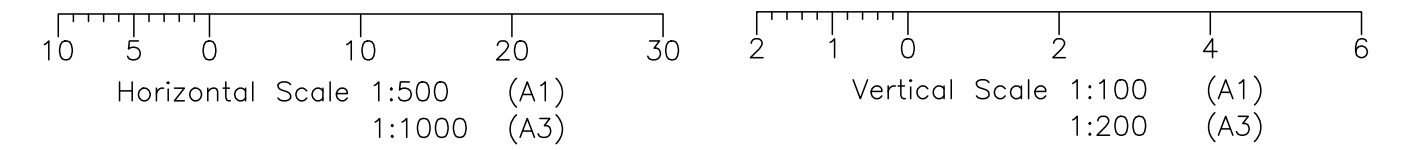
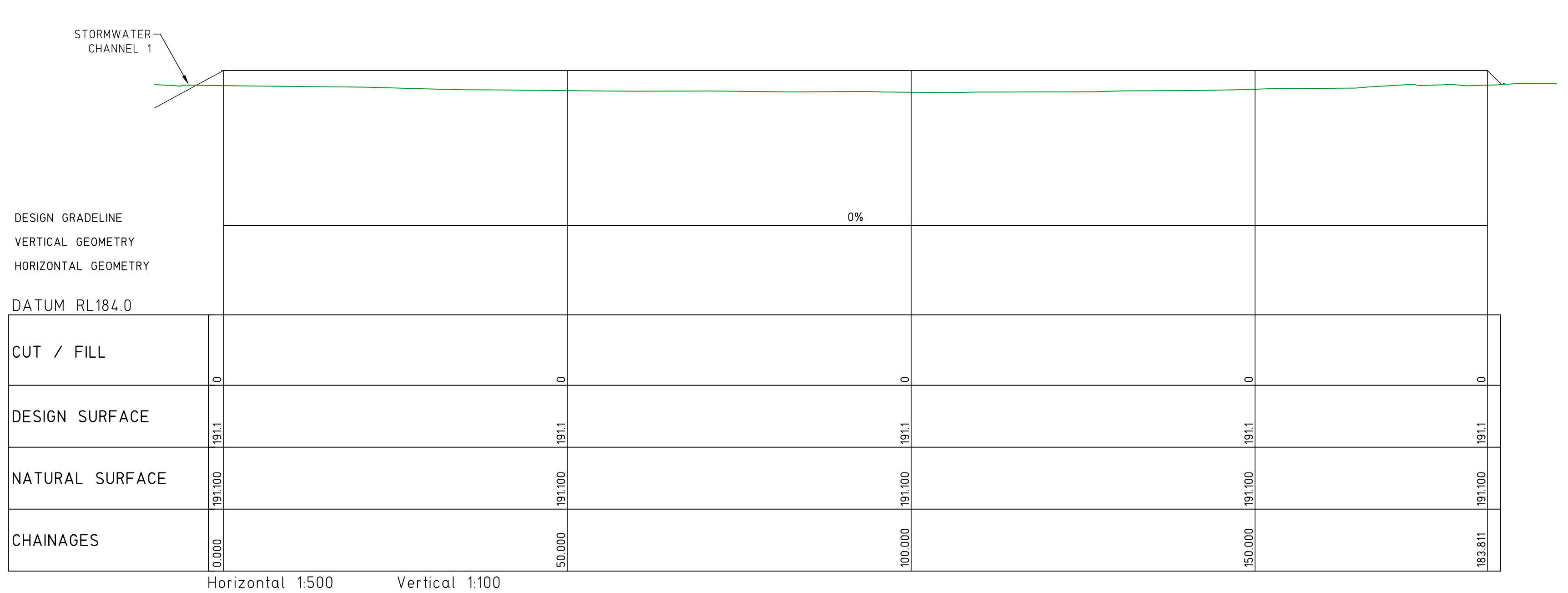
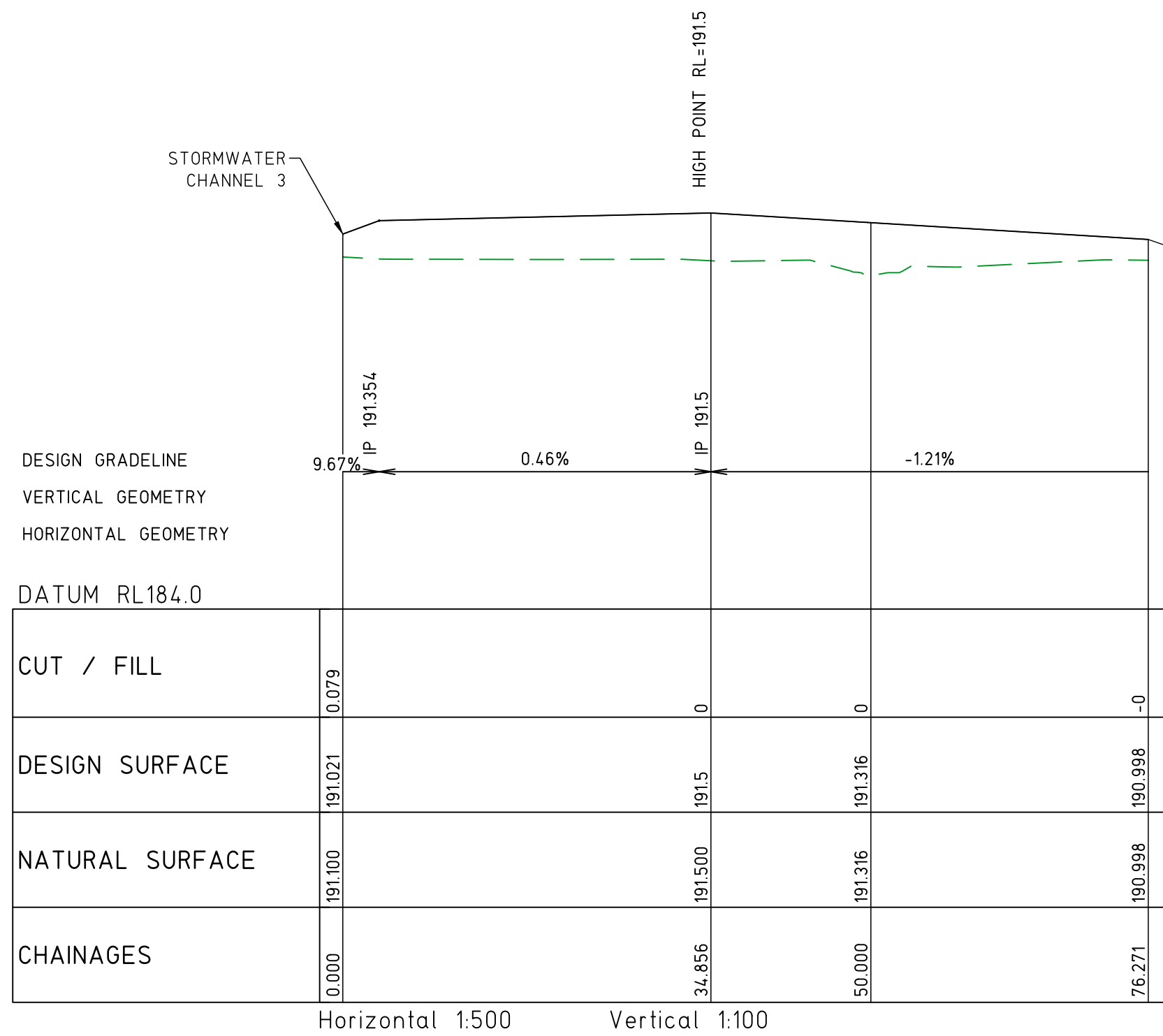
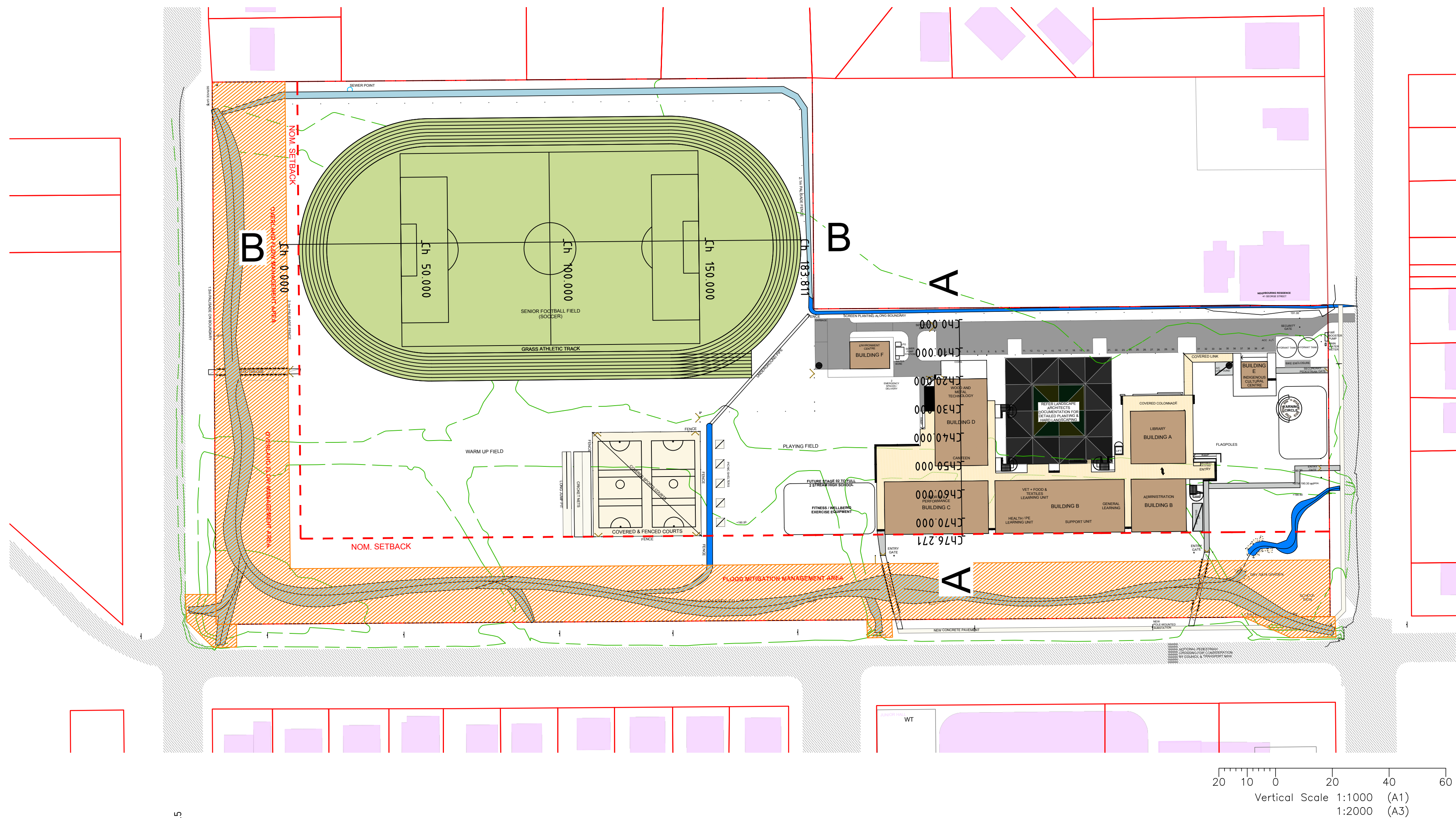
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			DRAWN:	TROY RYDEN	SCALE:	AS SHOWN					DRAWING TITLE: STORMWATER CHANNEL No.2, 3 & 4 LONGITUDINAL SECTION			
			SURVEYING:	BARNSON PTY LTD	SHEET SIZE:	A1					DWG No: C03			
			NOT FOR CONSTRUCTION											
2	RE-ISSUED FOR APPROVAL - SSD RFI	22.02.2022												
1	ISSUED FOR CLIENT REVIEW	31.01.2022												
0	ISSUED FOR APPROVAL	12.10.2021												
ISSUE	DESCRIPTION	DATE												

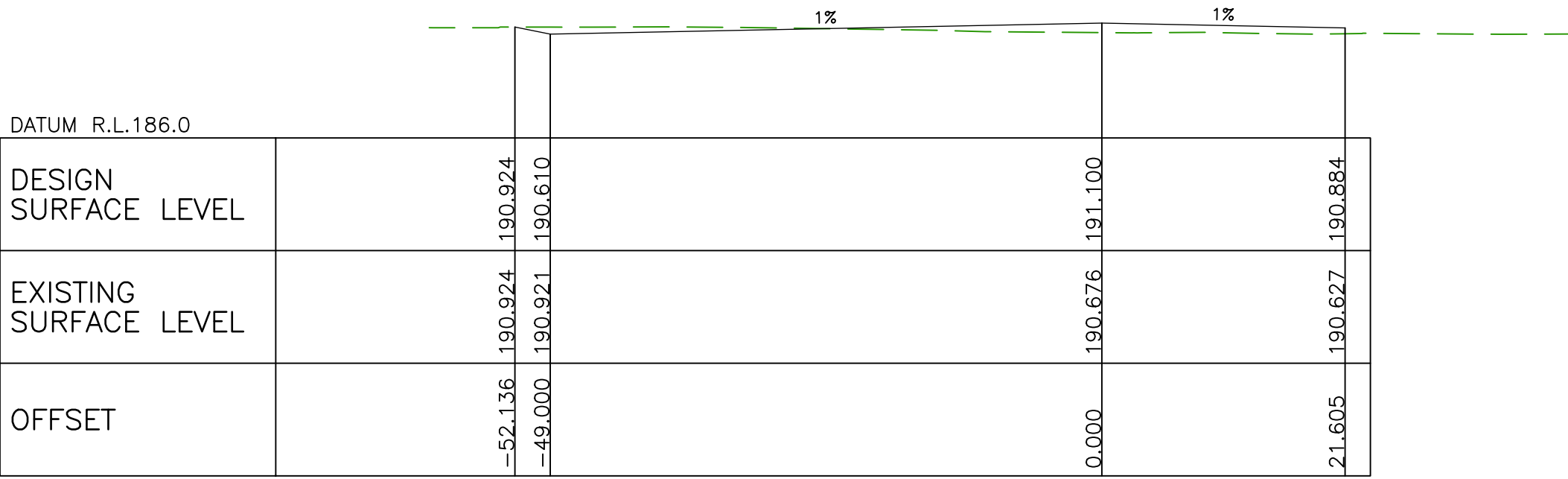


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		DRAWN: TROY RYDEN	SCALE: AS SHOWN		TITLE PROPOSED WEE WAA HIGH SCHOOL		
		SURVEYING: BARNSON PTY LTD	SHEET SIZE: A1				
		NOT FOR CONSTRUCTION					
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ISSUE	DESCRIPTION	DATE					

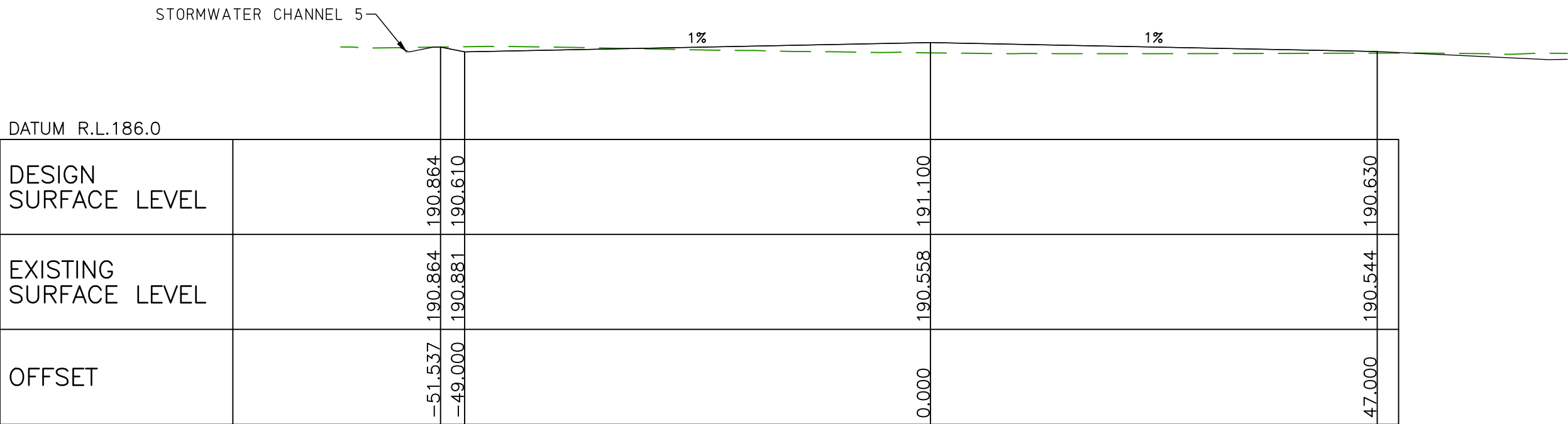


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		DRAWN: TROY RYDEN	SCALE: AS SHOWN		NSW GOVERNMENT DEP. EDUCATION - SCHOOL INFRASTRUCTURE		LOTS 124 & 125 DP757125, LOT 2 DP550633 & LOT 1 DP577294 105 - 107 MITCHELL STREET WEE WAA NSW, 2388					
		SURVEYING: BARNSON PTY LTD	SHEET SIZE: A1		TITLE		PROPOSED WEE WAA HIGH SCHOOL					
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1	ISSUED FOR CLIENT REVIEW	31.01.2022										
0	ISSUED FOR APPROVAL	12.10.2021										
ISSUE	DESCRIPTION	DATE							DWG No:	C05	SHEET: 5 OF 10	REV: 2

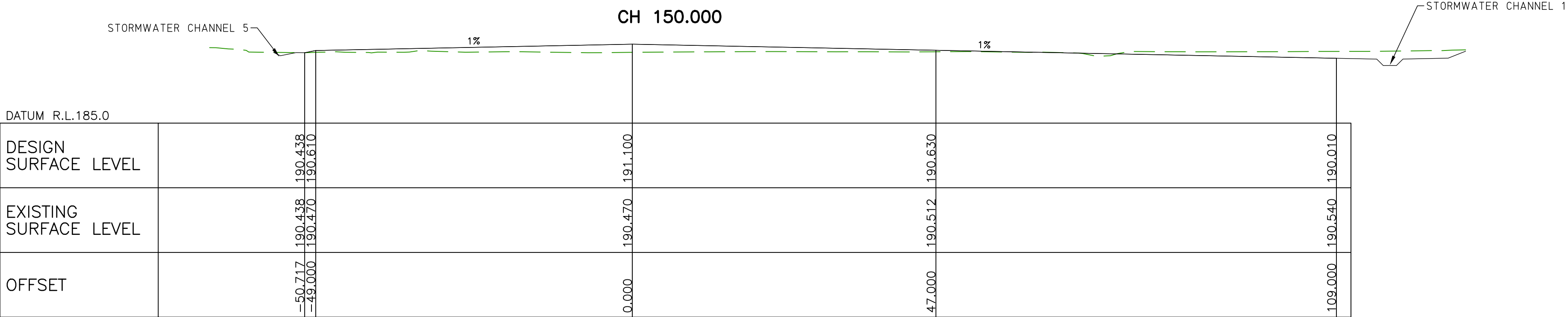
FLOOD MITIGATION WORKS
SUBJECT TO SEPARATE
PLANNING APPROVAL



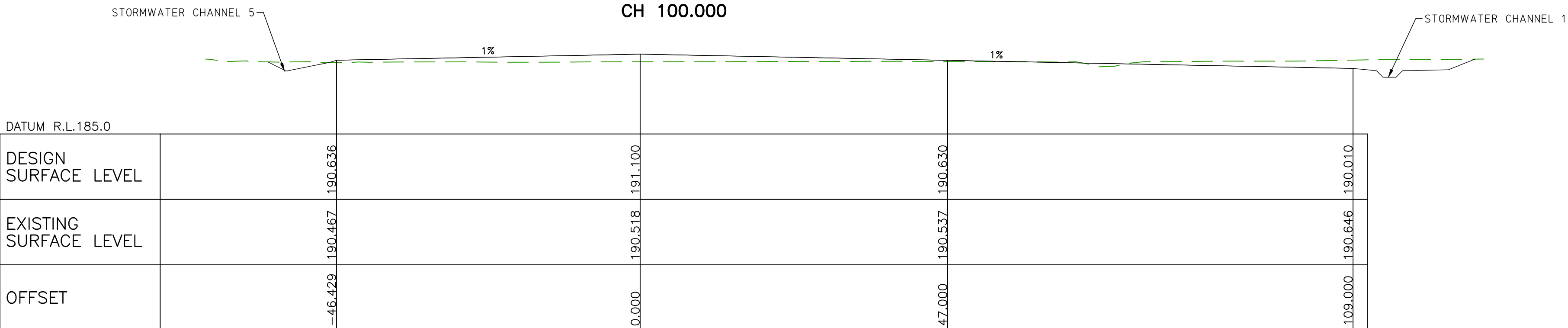
CH 183.811



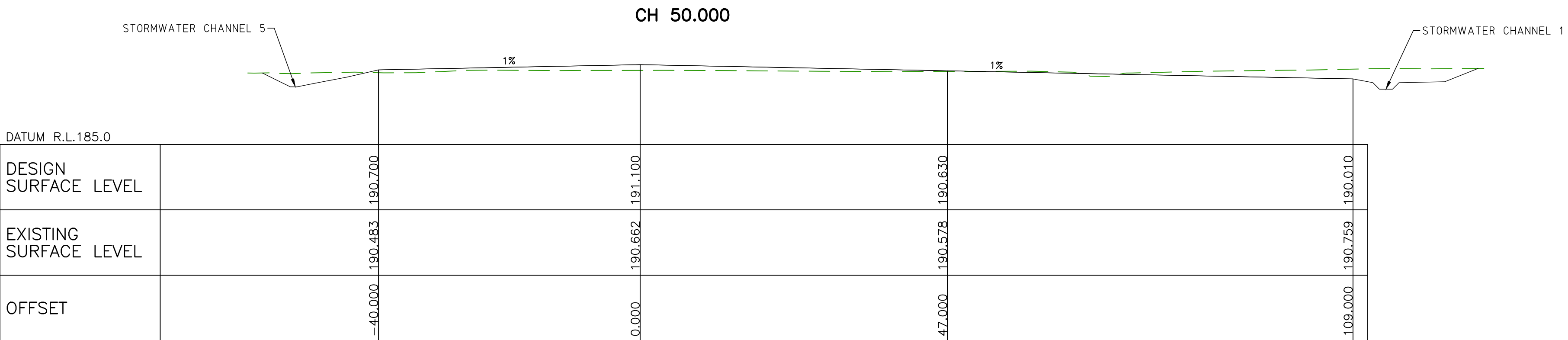
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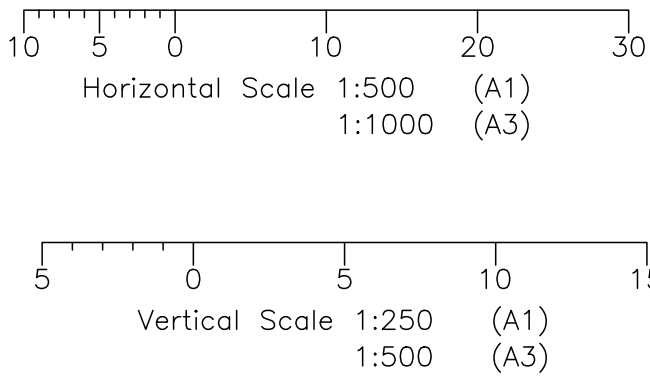
CH 100.000



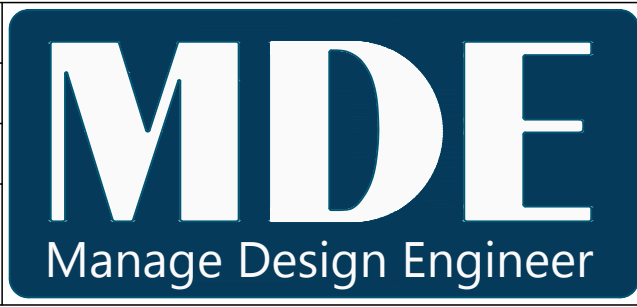
CH 50.000



CH 0.000



			DESIGN	JIMMY COSTAGANNA	DATE:	FEB 2022
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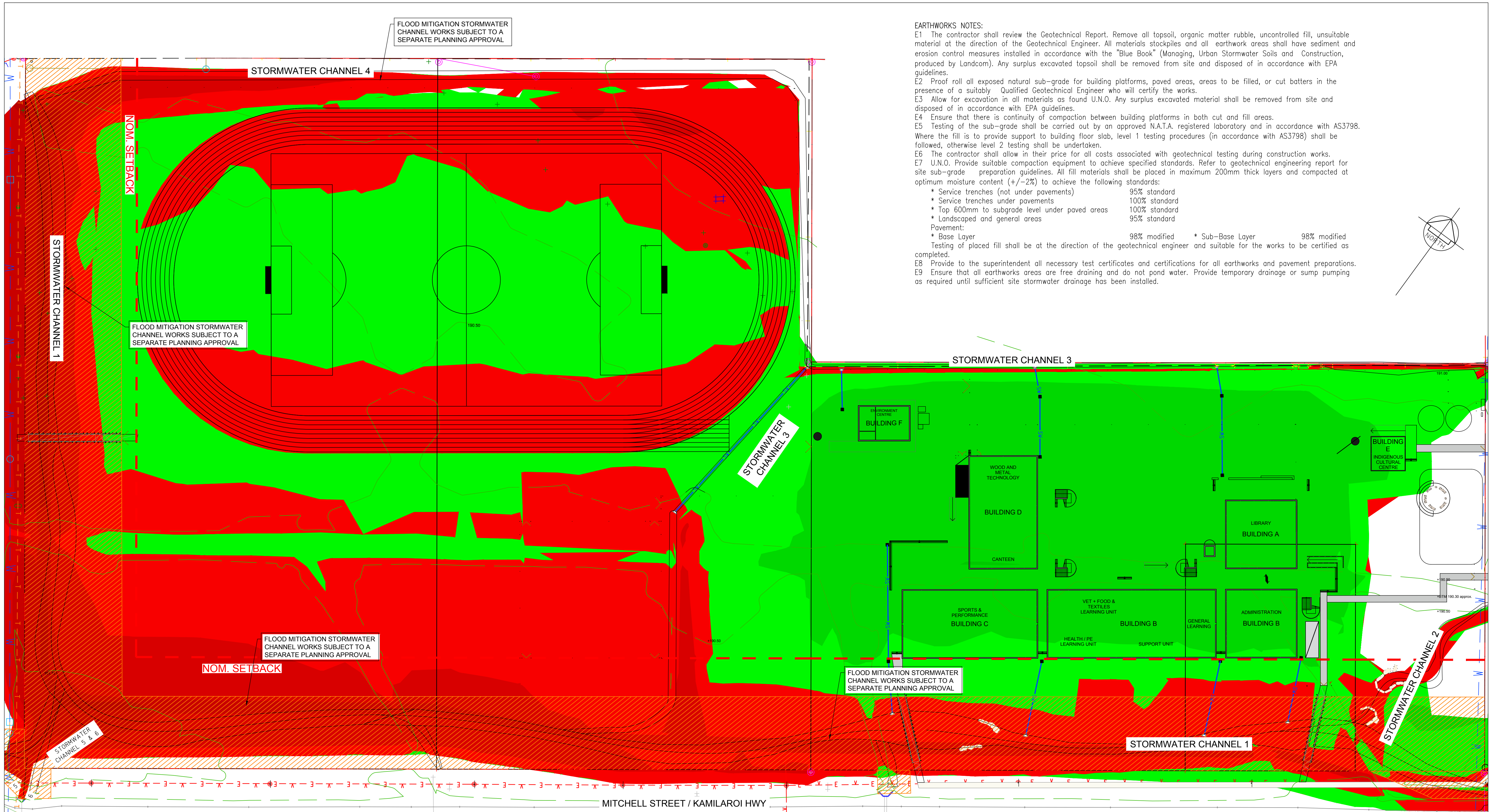
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CLIENT
NSW GOVERNMENT
DEP. EDUCATION - SCHOOL INFRASTRUCTURE

TITLE
PROPOSED WEE WAA HIGH SCHOOL

PROJECT
LOTS 124 & 125 DP757125, LOT 2
DP550633 & LOT 1 DP577294
105 - 107 MITCHELL STREET
WEE WAA NSW, 2388

CIVIL PLAN			
DRAWING TITLE: FILL PAD OVAL CROSS SECTIONS			
DWG No:	C06	SHEET: 6 OF 10	REV: 2



EARTHWORKS NOTES:

E1 The contractor shall review the Geotechnical Report. Remove all topsoil, organic matter rubble, uncontrolled fill, unsuitable material at the direction of the Geotechnical Engineer. All materials stockpiles and all earthwork areas shall have sediment and erosion control measures installed in accordance with the "Blue Book" (Managing, Urban Stormwater Soils and Construction, produced by Landcom). Any surplus excavated topsoil shall be removed from site and disposed of in accordance with EPA guidelines.

E2 Proof roll all exposed natural sub-grade for building platforms, paved areas, areas to be filled, or cut batters in the presence of a suitably Qualified Geotechnical Engineer who will certify the works.

E3 Allow for excavation in all materials as found U.N.O. Any surplus excavated material shall be removed from site and disposed of in accordance with EPA guidelines.

E4 Ensure that there is continuity of compaction between building platforms in both cut and fill areas.

E5 Testing of the sub-grade shall be carried out by an approved N.A.T.A. registered laboratory and in accordance with AS3798. Where the fill is to provide support to building floor slab, level 1 testing procedures (in accordance with AS3798) shall be followed, otherwise level 2 testing shall be undertaken.

E6 The contractor shall allow in their price for all costs associated with geotechnical testing during construction works.

E7 U.N.O. Provide suitable compaction equipment to achieve specified standards. Refer to geotechnical engineering report for site sub-grade preparation guidelines. All fill materials shall be placed in maximum 200mm thick layers and compacted at optimum moisture content (+/-2%) to achieve the following standards:

* Service trenches (not under pavements)	95% standard
* Service trenches under pavements	100% standard
* Top 600mm to subgrade level under paved areas	100% standard
* Landscaped and general areas	95% standard

Pavement:

* Base Layer	98% modified	* Sub-Base Layer	98% modified
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Testing of placed fill shall be at the direction of the geotechnical engineer and suitable for the works to be certified as completed.

E8 Provide to the superintendent all necessary test certificates and certifications for all earthworks and pavement preparations.

E9 Ensure that all earthworks areas are free draining and do not pond water. Provide temporary drainage or sump pumping as required until sufficient site stormwater drainage has been installed.

EARTHWORKS VOLUMES AREA OF WORKS = 57,367m³

NOTE: TOPSOIL DEPTH TO BE CONFIRMED ON SITE REFER TO 35754-GR02 (latest Rev) for soft soils

EARTHWORKS CUT TO FILL VOLUMES ARE FROM EXISTING NATURAL SURFACE TO DESIGN EARTHWORKS SURFACE INCLUDING AN ALLOWANCE FOR 350mm DEEP SUB-GRADE BOXING OF THE SPORTS OVAL FOR IMPORTED TOPSOIL AND TURFING. EARTHWORKS VOLUMES ALSO INCLUDE THE FLOOD MITIGATION CHANNEL WHICH IS SUBJECT TO A SEPARATE PLANNING APPROVAL.

CUT = 11,270m³

FILL = 10,250m³

BALANCE = 1,020m³ EXCESS MATERIAL TO STOCKPILE OR APPROVED TIP SITE.

10 5 0 10 20 30
Horizontal Scale 1:500 (A1)
1:1000 (A3)

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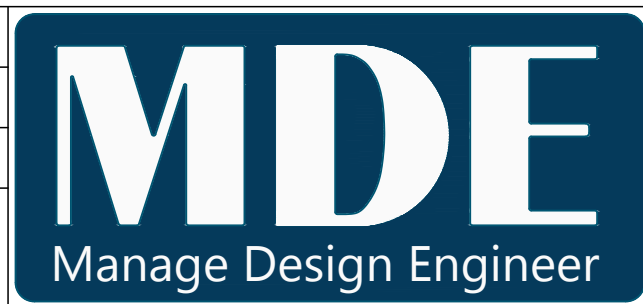
LEGEND

FILL 0.0 - 0.5m DEPTH	CUT 0.0 - 0.5m DEPTH
FILL 0.5 - 1.0m DEPTH	CUT 0.5 - 1.0m DEPTH
FILL 1.0 - 1.5m DEPTH	CUT 1.0 - 1.5m DEPTH
	CUT 1.5 - 2.0m DEPTH

PLANS TO BE
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ISSUE	DESCRIPTION	DATE
2	RE-ISSUED FOR APPROVAL - SSD RFI	22.02.2022
1	ISSUED FOR CLIENT REVIEW	31.01.2022
0	ISSUED FOR APPROVAL	12.10.2021

DESIGN	JIMMY COSTAGANNA	DATE:	FEB 2022
DRAWN	TROY RYDEN	SCALE:	AS SHOWN
SURVEYING	BARNSON PTY LTD	SHEET SIZE:	A1
NOT FOR CONSTRUCTION			



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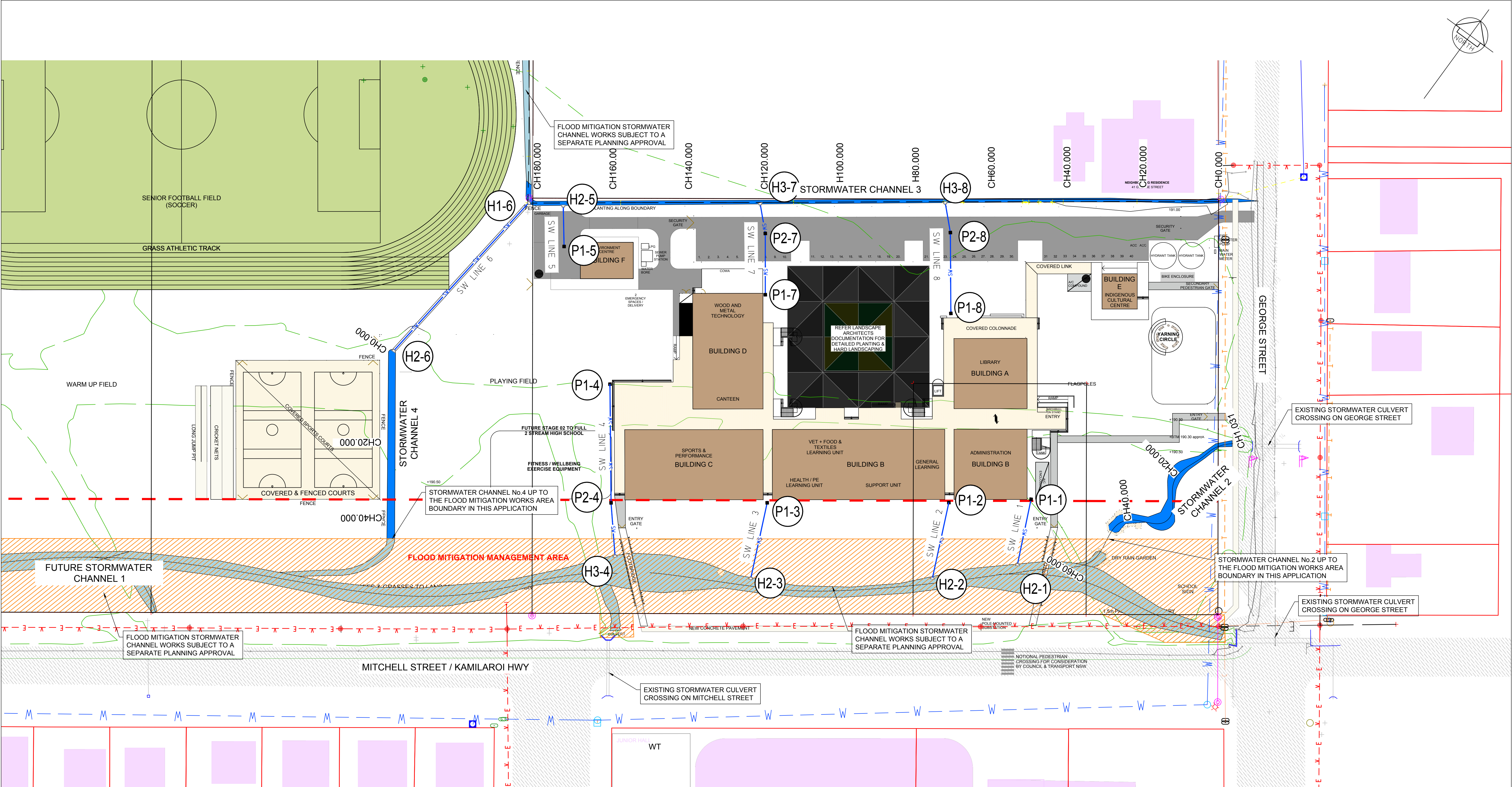
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CLIENT
NSW GOVERNMENT
DEP. EDUCATION - SCHOOL INFRASTRUCTURE

TITLE
PROPOSED WEE WAA HIGH SCHOOL

PROJECT
LOTS 124 & 125 DP757125, LOT 2
DP550633 & LOT 1 DP577294
105 - 107 MITCHELL STREET
WEE WAA NSW, 2388

CIVIL PLAN			
DRAWING TITLE: BULK EARTHWORKS PLAN			
DWG No:	C07	SHEET: 7 OF 10	REV: 2



LEGEND

	SUBJECT LOT BOUNDARY		PROPOSED OPEN CHANNEL		PROPOSED SPORTS OVAL
	NATURAL SURFACE CONTOURS 0.25M INTERVAL		PROPOSED STORMWATER PIPE		EXISTING ROAD PAVEMENT
	EXISTING TOP OF BANK		EXISTING POWER POLE		PROPOSED ROAD PAVEMENT / PARKING AREAS
	EXISTING BOTTOM OF BANK		EXISTING COMMUNICATION PIT		FLOOD MITIGATION MANAGEMENT AREA (SUBJECT TO A SEPARATE PLANNING APPROVAL)
	EXISTING WATER		EXISTING COMMUNICATION POLE		EXISTING STRUCTURES
	EXISTING OVERHEAD POWERLINE		EXISTING SEWER MANHOLE		PROPOSED SCHOOL BUILDINGS
	EXISTING OPTICAL FIBRE		EXISTING FIRE HYDRANT		PROPOSED STORMWATER CHANNEL
	EXISTING STORMWATER PIPE		EXISTING STOP VALVE		STORMWATER CHANNEL (SUBJECT TO A SEPARATE PLANNING APPROVAL)
	EXISTING STORMWATER BOX CULVERT				

Horizontal Scale 1:500 (A1)
1:1000 (A3)

10 5 0 10 20 30

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		DRAWN:	TROY RYDEN	SCALE:	AS SHOWN					DRAWING TITLE: CONCEPT DRAINAGE PLAN			
		SURVEYING:	BARNSON PTY LTD	SHEET SIZE:	A1					DWG No: C08			
		ISSUE	DESCRIPTION	DATE						SHEET: 8 OF 10 REV: 2			
2		RE-ISSUED FOR APPROVAL - SSD RFI		22.02.2022	NOT FOR CONSTRUCTION								
1		ISSUED FOR CLIENT REVIEW		31.01.2022									
0		ISSUED FOR APPROVAL		12.10.2021									



PLANS TO BE
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STRUCTURE NAME	P1-1	H2-1
STRUCTURE DESCRIPTION	FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	HEADWALL

PIPE SIZE (mm)		300	
PIPE SIZE / CLASS		PVC	
PIPE GRADE (%)		1.00%	
PIPE SLOPE (1 in X)		100.0	
PIPE FLOW (cumecs)		0.028	
CAPACITY FLOW (cumecs)		0.104	
FULL PIPE VELOCITY (m/s)		0.42	
NORMAL DEPTH VELOCITY (m/s)		1.19	
DATUM RL		182.000	
10YR HGL IN PIPE	190.455 190.393		
DEPTH TO INVERT	0.740		0.275
INVERT LEVEL OF PIPE/DRAIN	190.264		190.025
DESIGN SURFACE LEVEL	191.005 (190.495)		190.300
SETOUT COORDINATES	735063.274E 6654029.555N		735069.444E
CHAINAGE	0.000	23.931	24.681

LINE 1

P1-2	H2-2
FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	HEADWALL

300	PVC	1.00%	100.0	0.042	0.097	0.60	1.32	182.000	190.475 190.346	0.813	190.087	191.001 190.537	190.459 189.960	190.578 189.960	190.099
22.740	23.192														

2

P1-3	H2-3
FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	HEADWALL

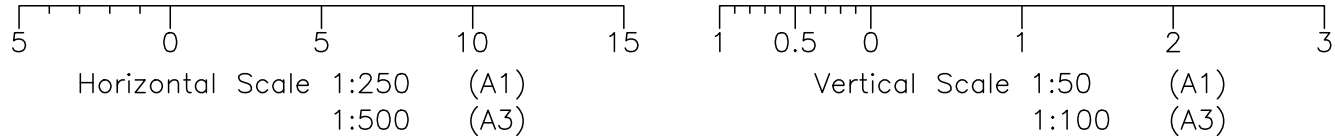
300	PVC	1.00%	100.0	0.042	0.097	0.60	1.32	182.000	190.317 190.188	0.970	190.029	190.999 190.582	190.318 189.815	190.650 189.954	
21.417	22.317														

3

P1-4	P2-4	H3-4
FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	HEADWALL

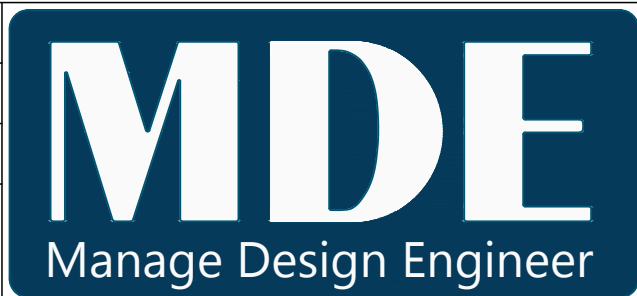
300	PVC	1.20%	83.3	0.057	0.106	0.80	1.52	182.000	191.104 190.900	0.543	190.716	190.999 190.499	190.350 190.320	190.715 189.715	190.563
30.468	31.868	20.475	52.593												

4



DESIGN	JIMMY COSTAGANNA	DATE	FEB 2022
DRAWN	TROY RYDEN	SCALE	AS SHOWN
SURVEYING	BARNSON PTY LTD	SHEET SIZE	A1
2	RE-ISSUED FOR APPROVAL - SSD RFI	22.02.2022	
1	ISSUED FOR CLIENT REVIEW	31.01.2022	
0	ISSUED FOR APPROVAL	12.10.2021	
ISSUE	DESCRIPTION	DATE	

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CLIENT
NSW GOVERNMENT
DEP. EDUCATION - SCHOOL INFRASTRUCTURE
TITLE
PROPOSED WEE WAA HIGH SCHOOL

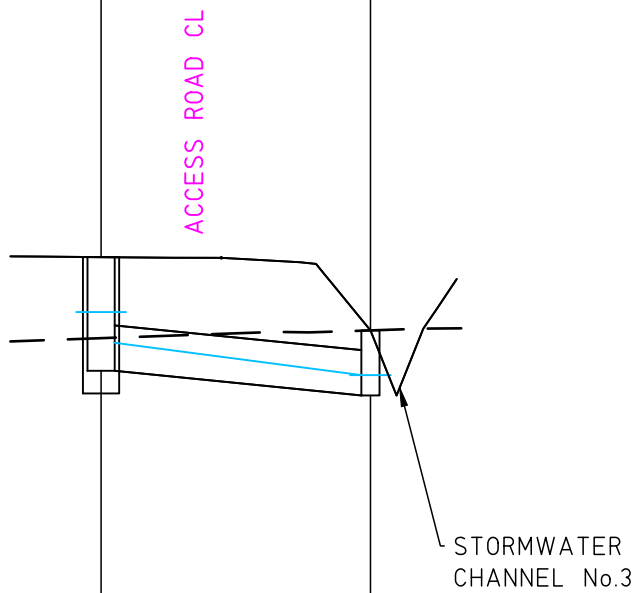
PROJECT
LOTS 124 & 125 DP757125, LOT 2
DP550633 & LOT 1 DP577294
105 - 107 MITCHELL STREET
WEE WAA NSW, 2388

CIVIL PLAN		
DRAWING TITLE: STORMWATER LONGSECTIONS SHEET 1 OF 2		
DWG No:	C09	SHEET: 9 OF 10
		REV: 2



PLANS TO BE
PRINTED IN COLOUR

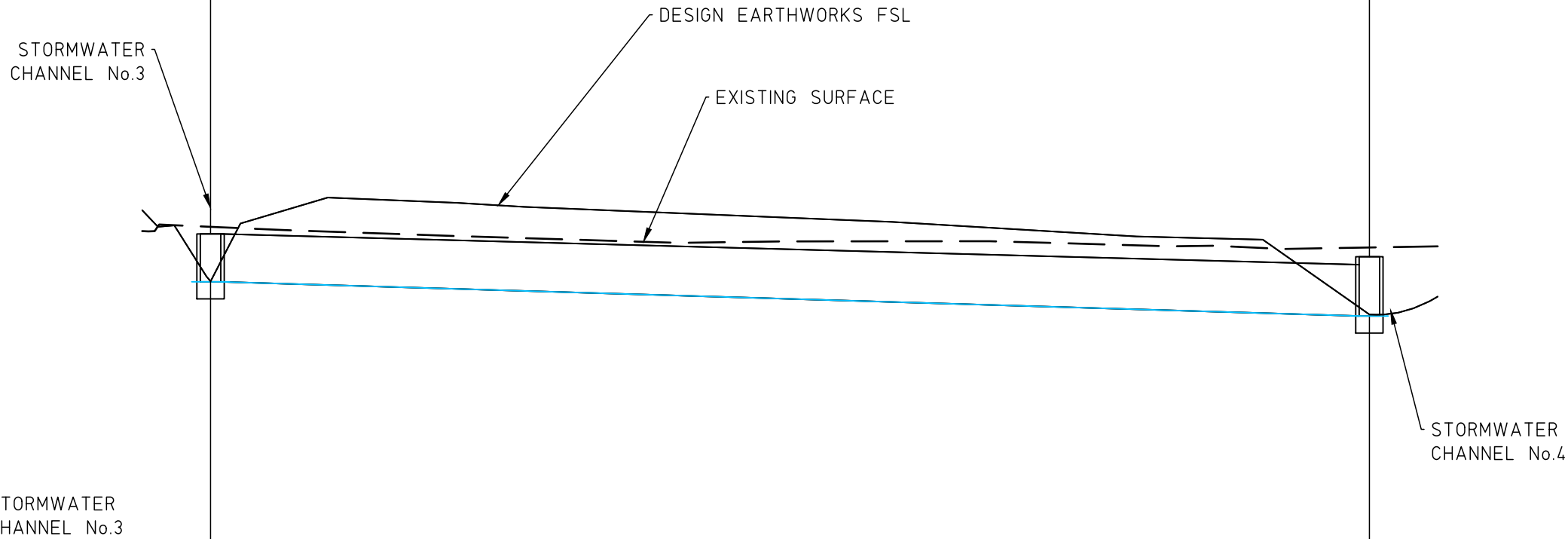
STRUCTURE NAME	P1-5	H2-5
STRUCTURE DESCRIPTION	FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	HEADWALL



PIPE SIZE (mm)	300
PIPE SIZE / CLASS	PVC
PIPE GRADE (%)	2.00%
PIPE SLOPE (1 in X)	50.0
PIPE FLOW (cumecs)	0.057
CAPACITY FLOW (cumecs)	0.137
FULL PIPE VELOCITY (m/s)	0.80
NORMAL DEPTH VELOCITY (m/s)	1.84
DATUM RL	183.000
10YR HGL IN PIPE	190.781 190.578
DEPTH TO INVERT	0.752 0.430
INVERT LEVEL OF PIPE/DRAIN	190.393 190.230
DESIGN SURFACE LEVEL	191.135 190.609 190.660
SETOUT COORDINATES	734.022.840E 6654.035.936N 734.018.616E 6654.043.781N
CHAINAGE	0.000 8.159 8.909

LINE 5

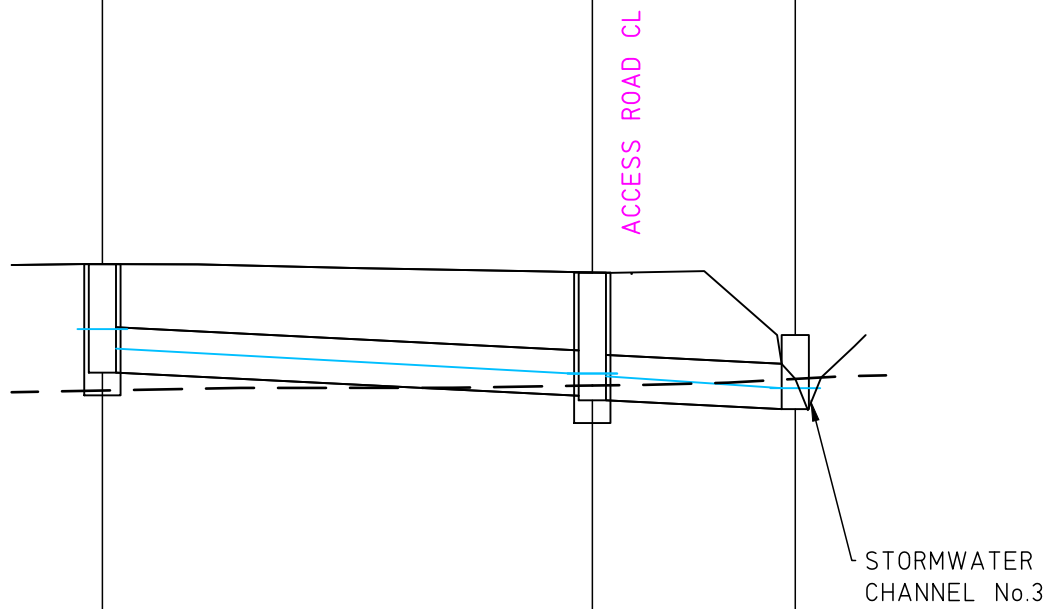
H1-6	H2-6
FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME



PIPE SIZE (mm)	450
PIPE SIZE / CLASS	PVC
PIPE GRADE (%)	0.60%
PIPE SLOPE (1 in X)	166.5
PIPE FLOW (cumecs)	0.000
CAPACITY FLOW (cumecs)	0.238
FULL PIPE VELOCITY (m/s)	0.00
NORMAL DEPTH VELOCITY (m/s)	0.00
DATUM RL	182.000
10YR HGL IN PIPE	190.180 190.180
DEPTH TO INVERT	0.420 0.520
INVERT LEVEL OF PIPE/DRAIN	190.180 189.880
DESIGN SURFACE LEVEL	190.185 190.662 189.893 190.431
SETOUT COORDINATES	734.908.458E 6654.038.822N 734.899.180E 6654.988.877N
CHAINAGE	0.000 49.959 50.859

LINE 6

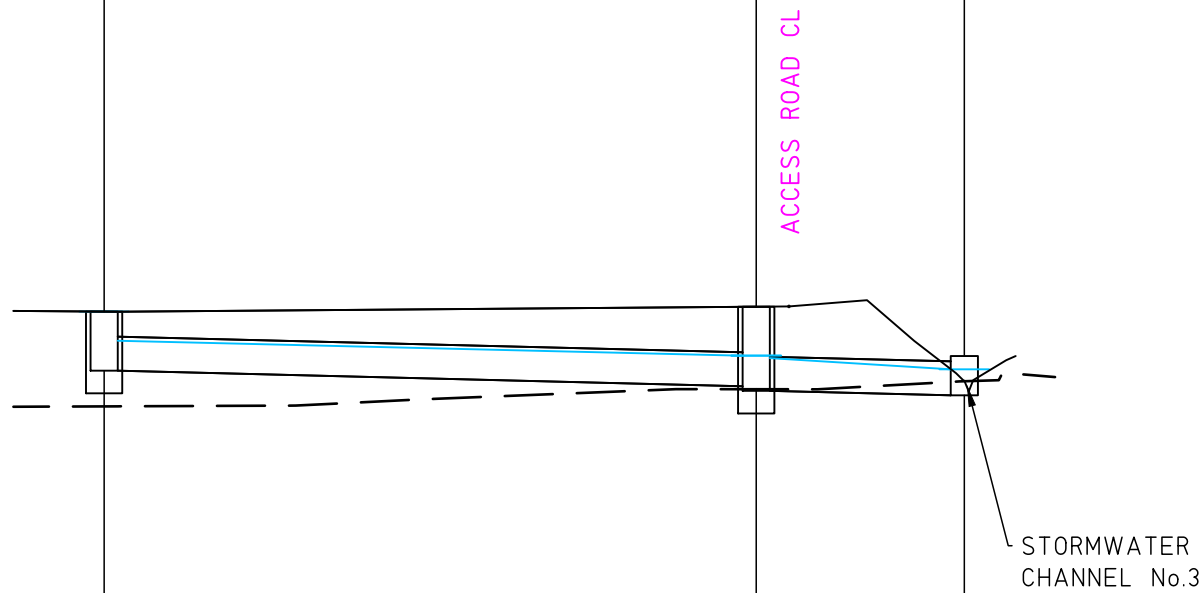
P1-7	P2-7	H3-7
FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	HEADWALL



PIPE SIZE (mm)	300	300
PIPE SIZE / CLASS	PVC	PVC
PIPE GRADE (%)	1.00%	1.00%
PIPE SLOPE (1 in X)	100.0	100.0
PIPE FLOW (cumecs)	0.042	0.042
CAPACITY FLOW (cumecs)	0.097	0.097
FULL PIPE VELOCITY (m/s)	0.60	0.60
NORMAL DEPTH VELOCITY (m/s)	1.32	1.32
DATUM RL	183.000	
10YR HGL IN PIPE	191.039 190.910	190.743 190.746
DEPTH TO INVERT	0.718 0.815	0.845 0.845
INVERT LEVEL OF PIPE/DRAIN	190.751 190.598	190.568 190.510
DESIGN SURFACE LEVEL	191.469 190.633 191.473 190.666	190.710 190.710 190.710 190.710
SETOUT COORDINATES	734.076.316E 6654.047.285N 734.969.153E 6654.061.810N	734.965.234E 6654.067.259N
CHAINAGE	0.000 15.302 16.202	22.913 5.811

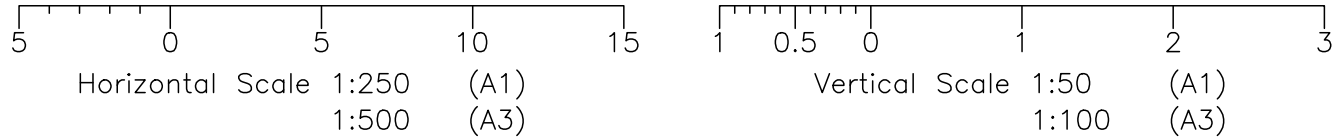
LINE 7

P1-8	P2-8	H3-8
FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	FLUSH GRATED INLET PIT 900x900mm GRATE & FRAME	HEADWALL



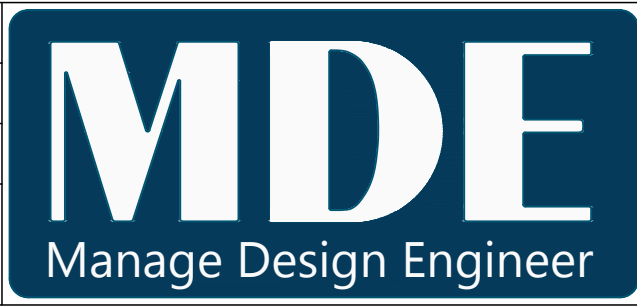
PIPE SIZE (mm)	225	225
PIPE SIZE / CLASS	PVC	PVC
PIPE GRADE (%)	0.50%	0.50%
PIPE SLOPE (1 in X)	200.0	200.0
PIPE FLOW (cumecs)	0.042	0.042
CAPACITY FLOW (cumecs)	0.032	0.032
FULL PIPE VELOCITY (m/s)	1.07	1.06
NORMAL DEPTH VELOCITY (m/s)	1.07	1.06
DATUM RL	183.000	
10YR HGL IN PIPE	191.294 191.101	191.002 191.003
DEPTH TO INVERT	0.391 0.391	0.526 0.556
INVERT LEVEL OF PIPE/DRAIN	190.903 190.903	190.800 190.770
DESIGN SURFACE LEVEL	191.294 190.667 191.326 190.780	190.838 190.833 190.740 190.740
SETOUT COORDINATES	735.022.609E 6654.064.361N 735.012.907E 6654.083.639N	735.009.703E 6654.083.730N
CHAINAGE	0.000 20.664 21.564	5.982 28.446

LINE 8



DESIGN	JIMMY COSTAGANNA	DATE	FEB 2022
DRAWN	TROY RYDEN	SCALE	AS SHOWN
SURVEYING	BARNSON PTY LTD	SHEET SIZE	A1
2	RE-ISSUED FOR APPROVAL - SSD RFI	22.02.2022	
1	ISSUED FOR CLIENT REVIEW	31.01.2022	
0	ISSUED FOR APPROVAL	12.10.2021	
ISSUE	DESCRIPTION	DATE	

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CLIENT
NSW GOVERNMENT
DEP. EDUCATION - SCHOOL INFRASTRUCTURE
TITLE
PROPOSED WEE WAA HIGH SCHOOL

PROJECT
LOTS 124 & 125 DP757125, LOT 2
DP550633 & LOT 1 DP577294
105 - 107 MITCHELL STREET
WEE WAA NSW, 2388

CIVIL PLAN		
DRAWING TITLE: STORMWATER LONGSECTIONS SHEET 2 OF 2		
DWG No:	C10	SHEET 10 OF 10 REV: 2