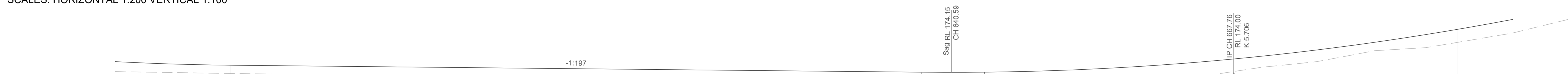


DATUM R.L. 174.09

VERTICAL GEOMETRY	DESIGN LEVEL	EXISTING LEVEL	DEPTH	CHAINAGE
32.07 -1.00%	182.29	181.78	0.51	420.00
448.98 181.46 444.62 181.53 182.04	181.97 182.04	181.46 181.53	0.52 0.52	448.98 444.62
L: 50.00 G: -8.00%	181.40	180.70	0.71	466.52
	180.03	179.57	0.46	486.09
	180.35	179.84	0.50	483.98
32.57 -9.00%	177.37	177.12	0.24	517.90
45.00	175.81	175.24	0.56	536.33
	175.12	174.60	0.52	547.84
	175.12	174.60	0.52	547.84
	174.68	174.19	0.49	559.35
	174.66	174.16	0.46	566.00

LONGITUDINAL SECTION 10-AL-08 (SEFTON ROAD EXTENSION)

SCALES: HORIZONTAL 1:200 VERTICAL 1:100

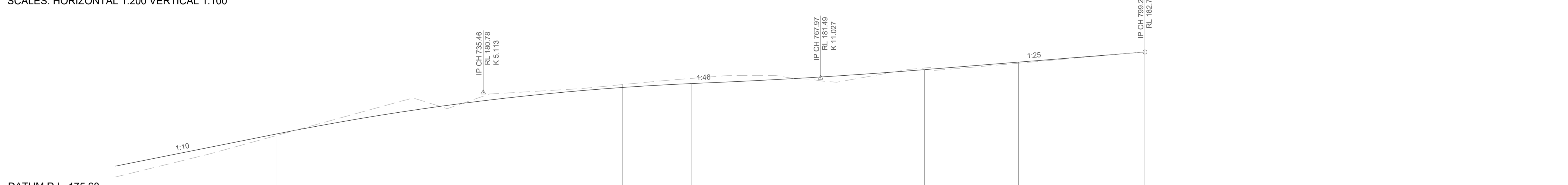


DATUM R.L. 173.13

VERTICAL GEOMETRY	DESIGN LEVEL	EXISTING LEVEL	DEPTH	CHAINAGE
45.00	174.66	174.18	0.48	560.00
66.55 -0.51%	174.46	174.05	0.41	577.90
	174.18	173.81	0.37	631.51
	174.15	173.78	0.37	638.86
	174.15	173.77	0.38	643.77
66.00	174.73	174.10	0.64	666.57
	174.73	174.10	0.64	666.57
	176.22	175.60	0.63	689.37
	177.23	176.70	0.53	700.00

LONGITUDINAL SECTION 10-AL-08 (SEFTON ROAD EXTENSION)

SCALES: HORIZONTAL 1:200 VERTICAL 1:100

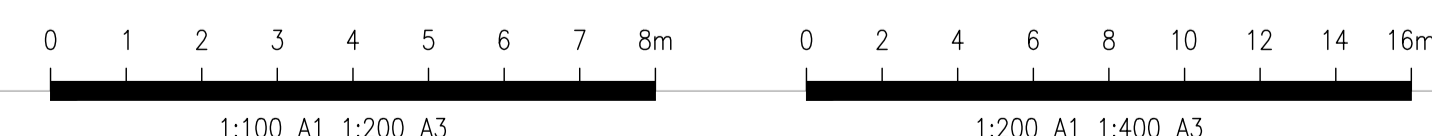


DATUM R.L. 175.68

VERTICAL GEOMETRY	DESIGN LEVEL	EXISTING LEVEL	DEPTH	CHAINAGE
60.00	177.23	176.70	0.53	700.00
L: 17.82 G: 10.01%	177.38	176.89	0.49	701.51
	181.08	181.24	-0.16	750.49
L: 40.00 G: -7.82%	181.53	181.35	0.18	767.97
	181.03	181.17	-0.14	748.90
	181.53	181.35	0.18	767.97
	182.25	182.20	0.05	787.04
	182.49	182.47	0.02	793.12
	182.74	182.74	0.00	799.21

LONGITUDINAL SECTION 10-AL-08 (SEFTON ROAD EXTENSION)

SCALES: HORIZONTAL 1:200 VERTICAL 1:100



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Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P1	FOR APPROVAL	DM	ARW	25.06.24										

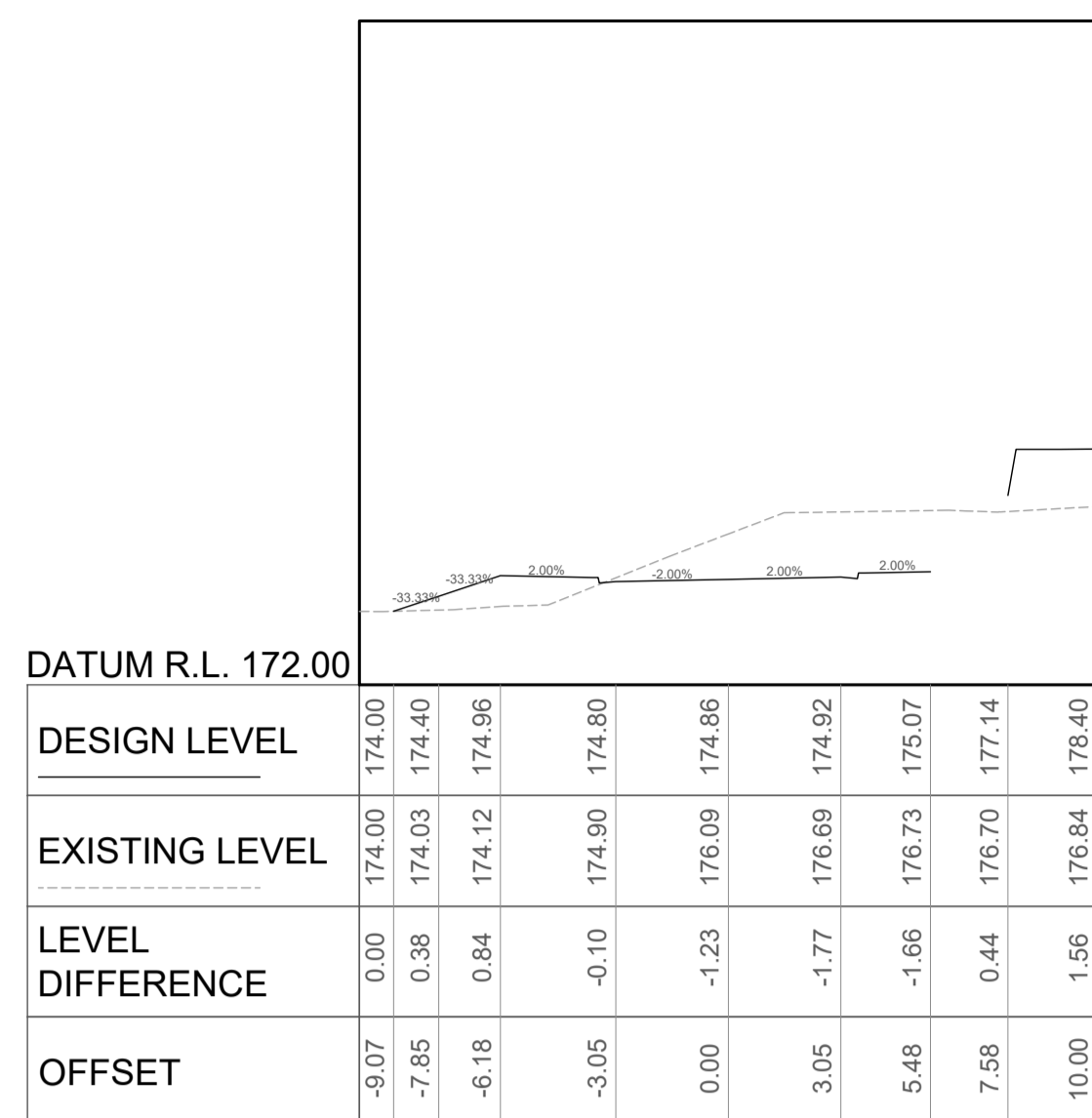
Architect
ENVIRONMENTAL PARTNERSHIP (NSW) Pty Ltd
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Civil Engineer
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612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

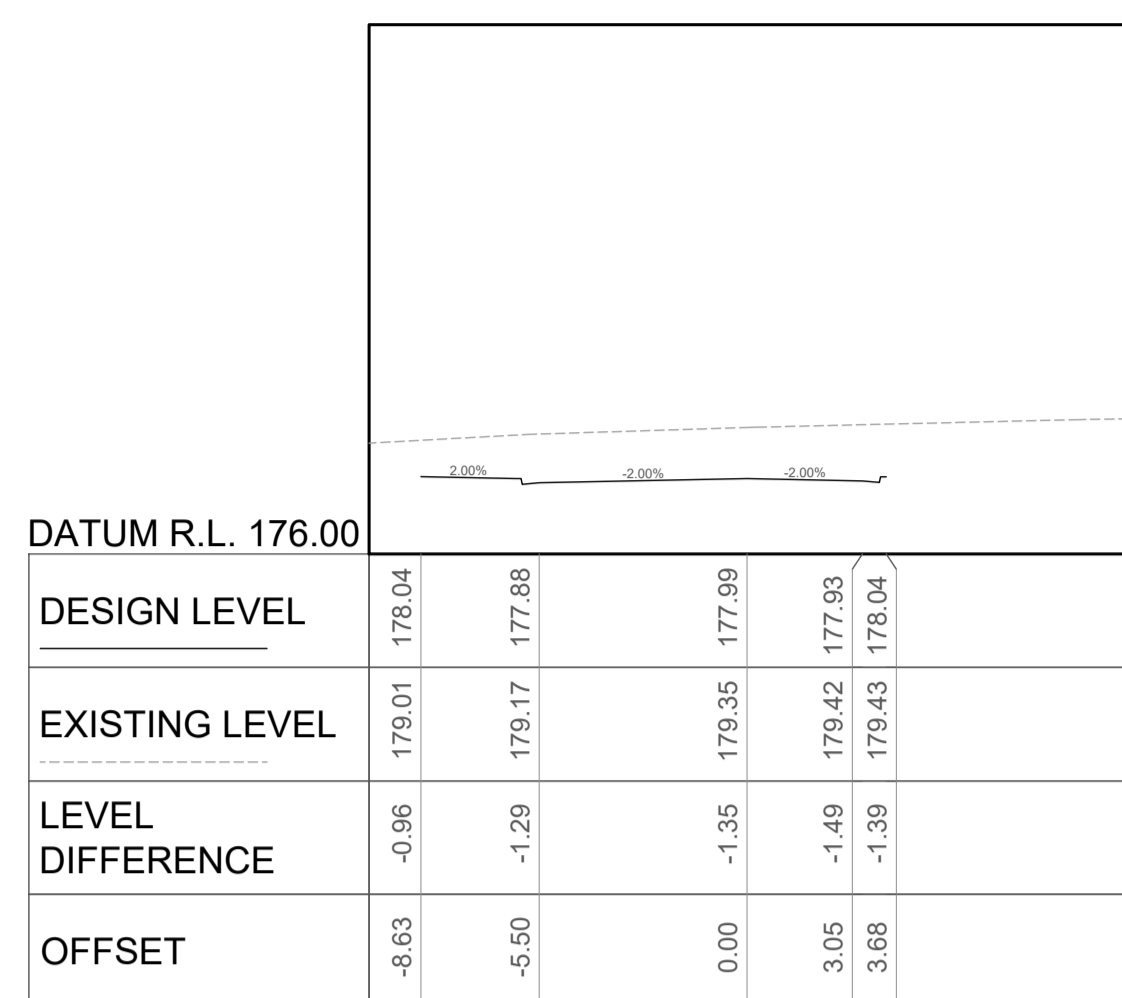
Project
WESTLEIGH PARK, QUARTER SESSIONS ROAD, HORNSBY

Sheet Subject
SEFTON ROAD LONGITUDINAL SECTIONS SHEET 2

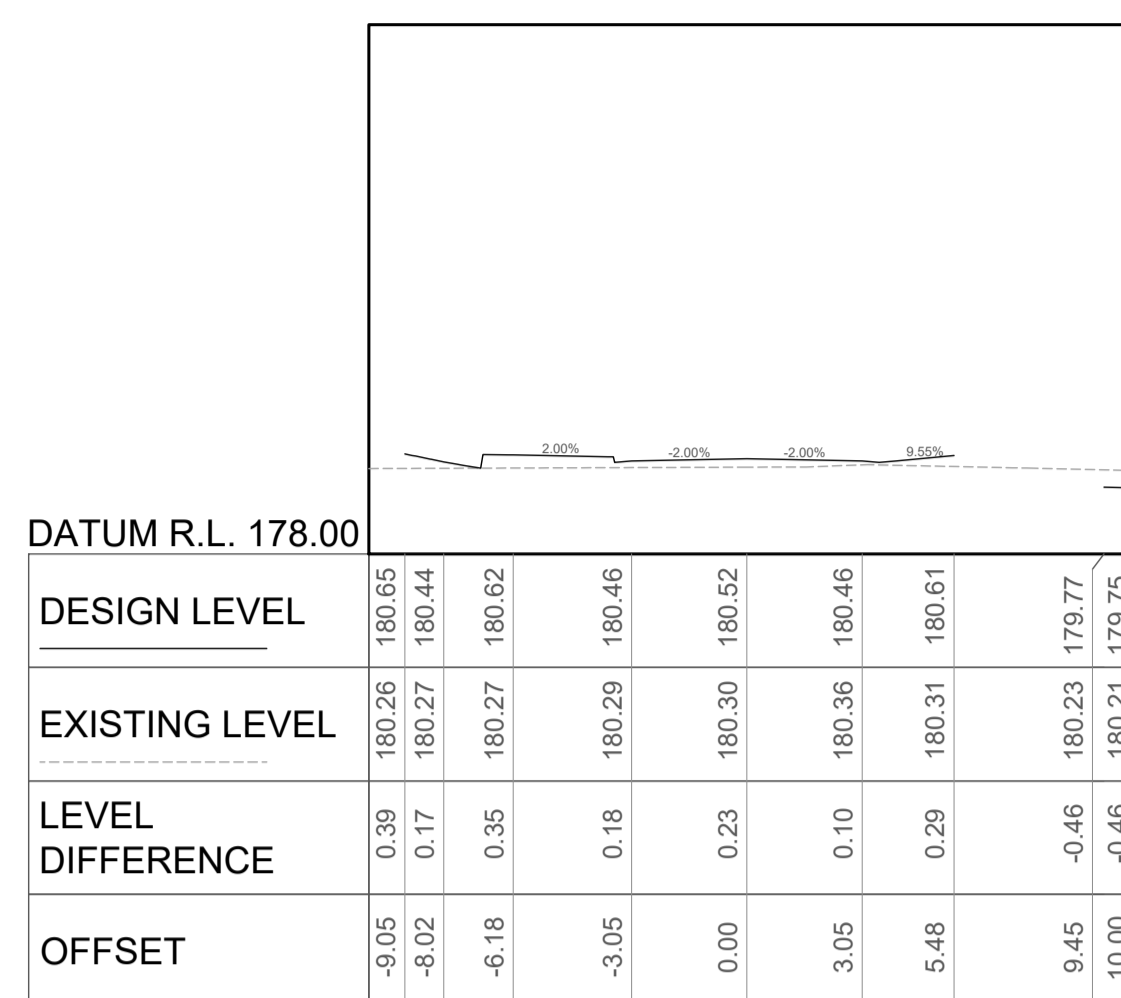
Scale: A1
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V 1:100
Job No
201537
Drawn
JH
Authorised
TM
Drawing No
C065
Revision
P1



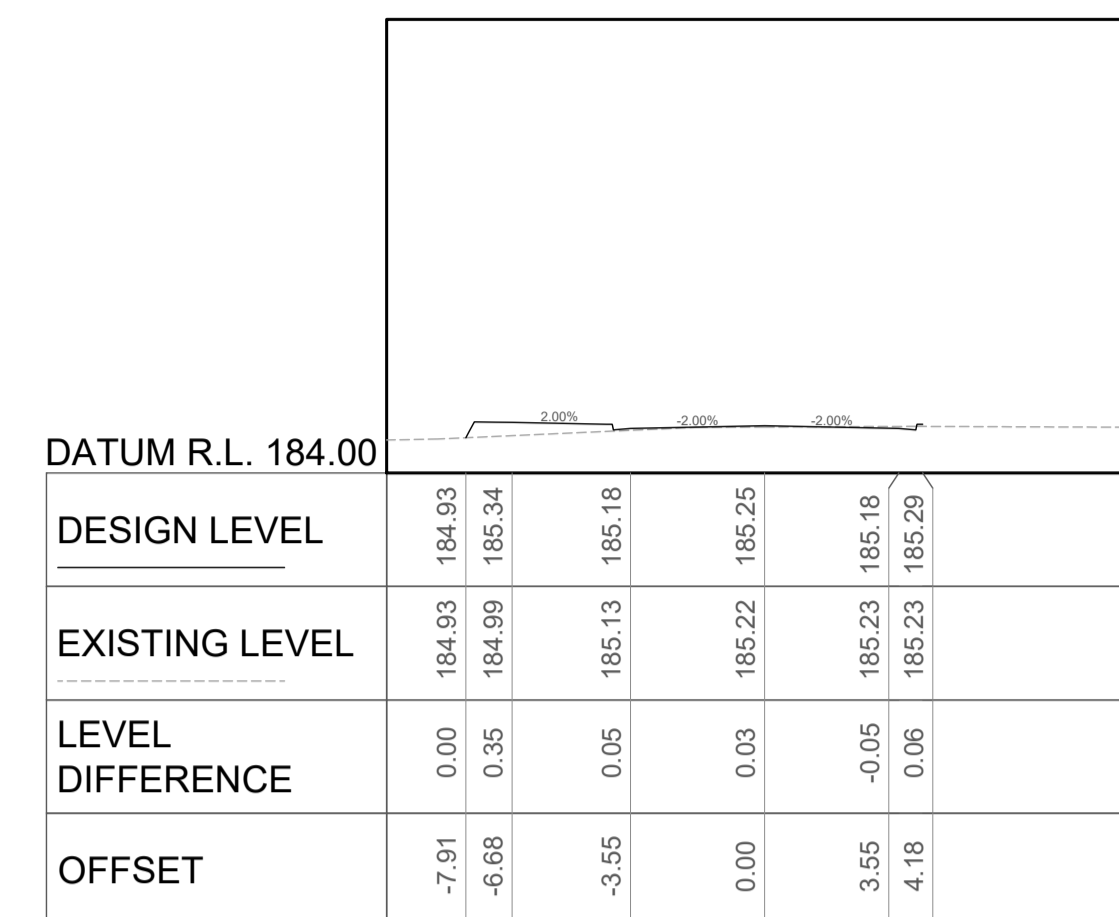
10-AL-05
CH 150.00



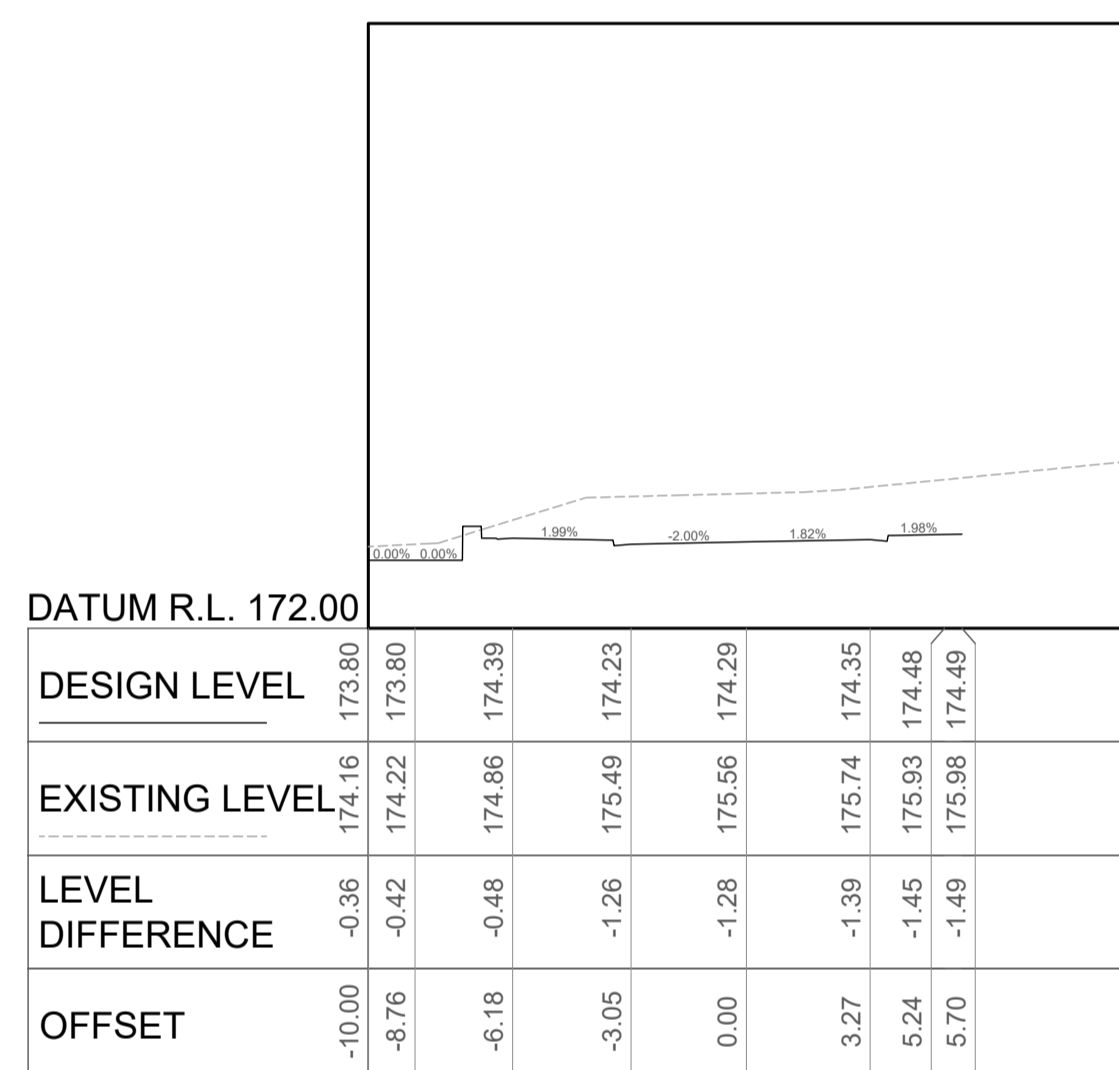
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CH 300.00



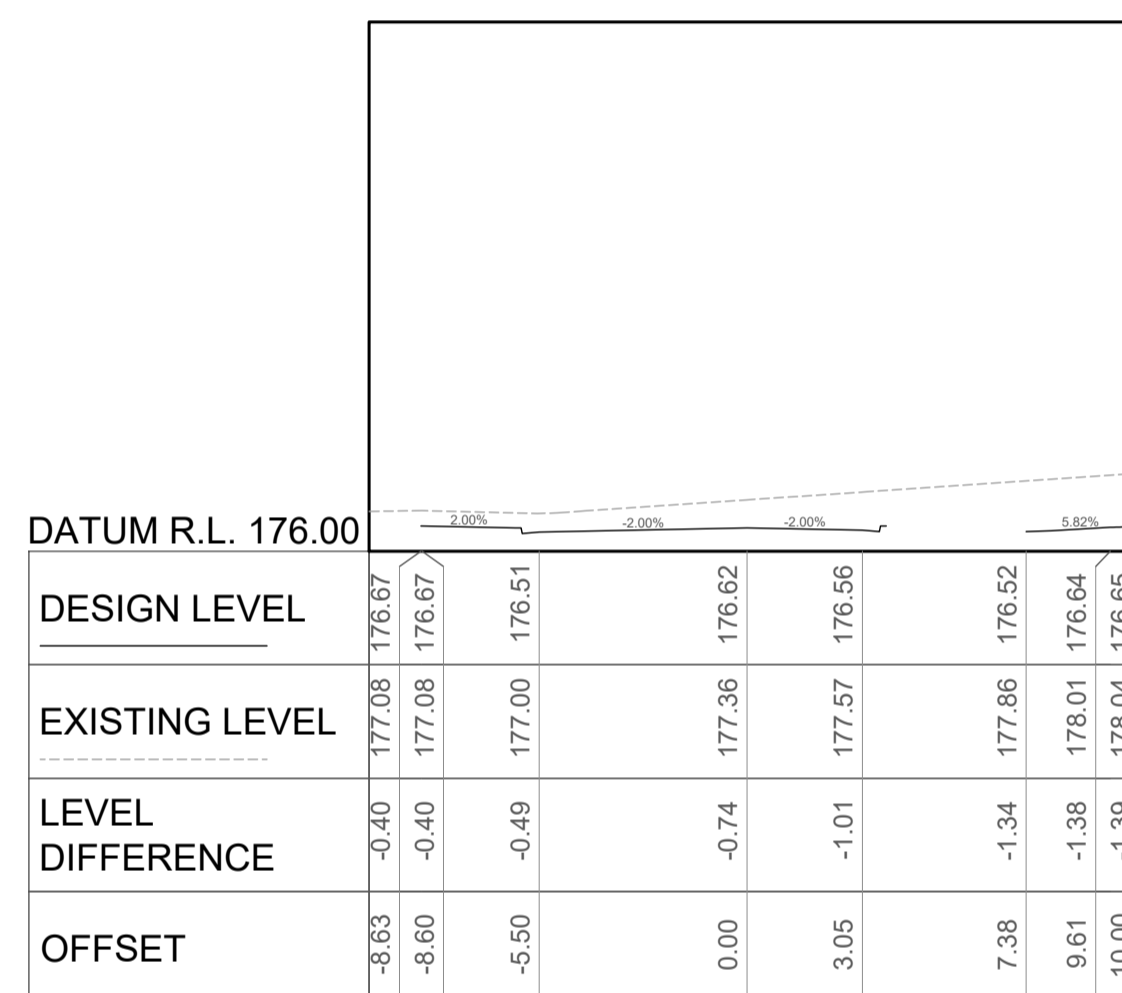
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CH 450.00



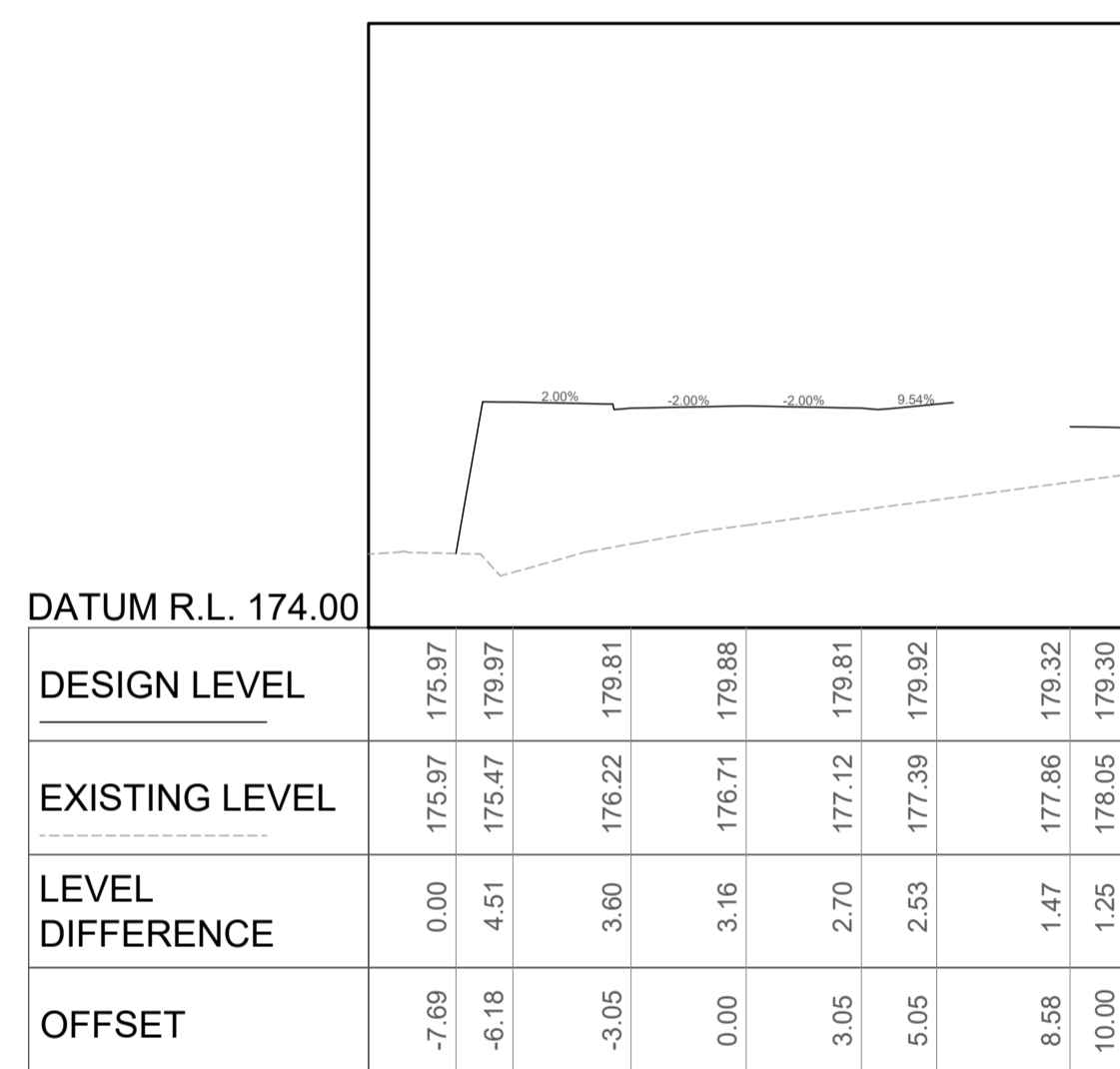
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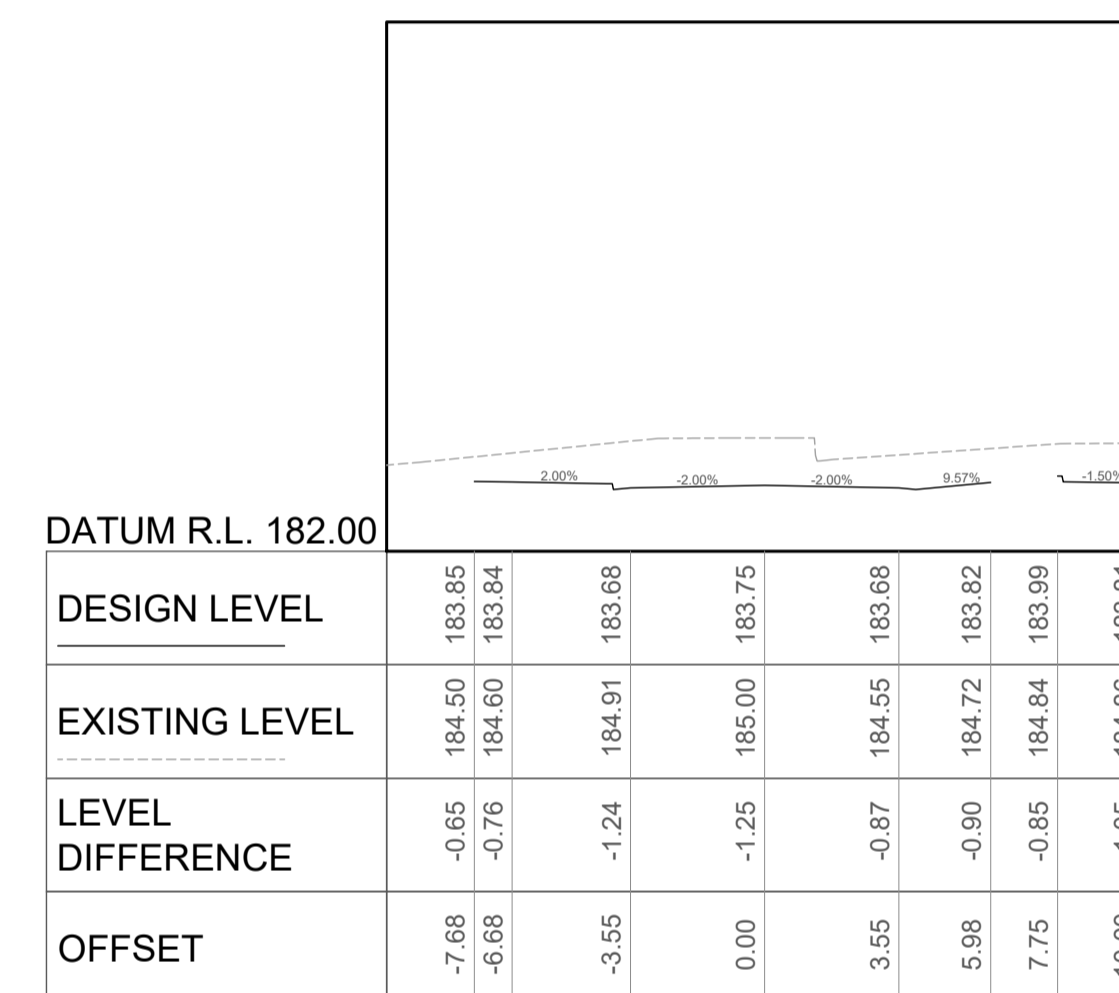
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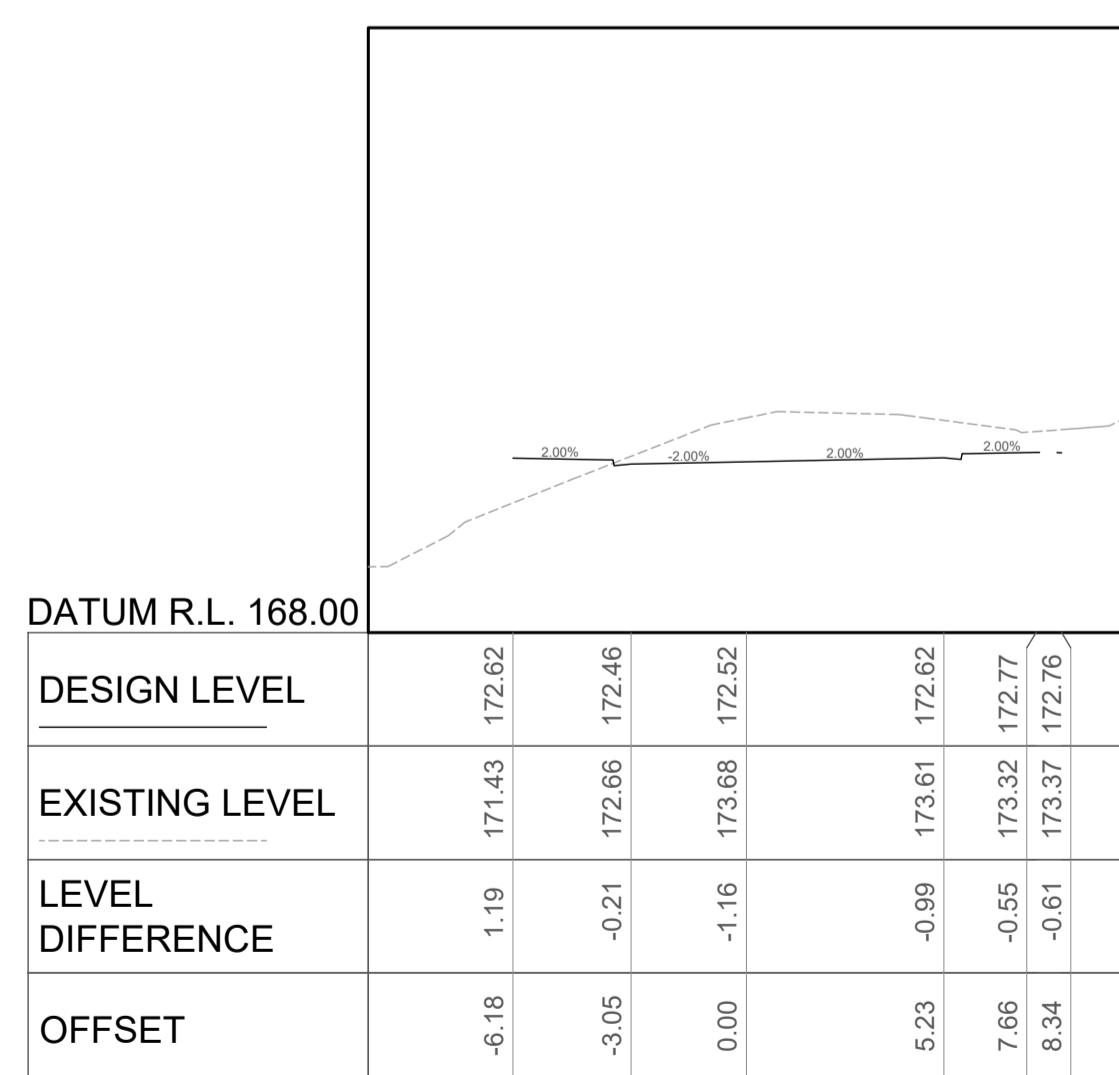
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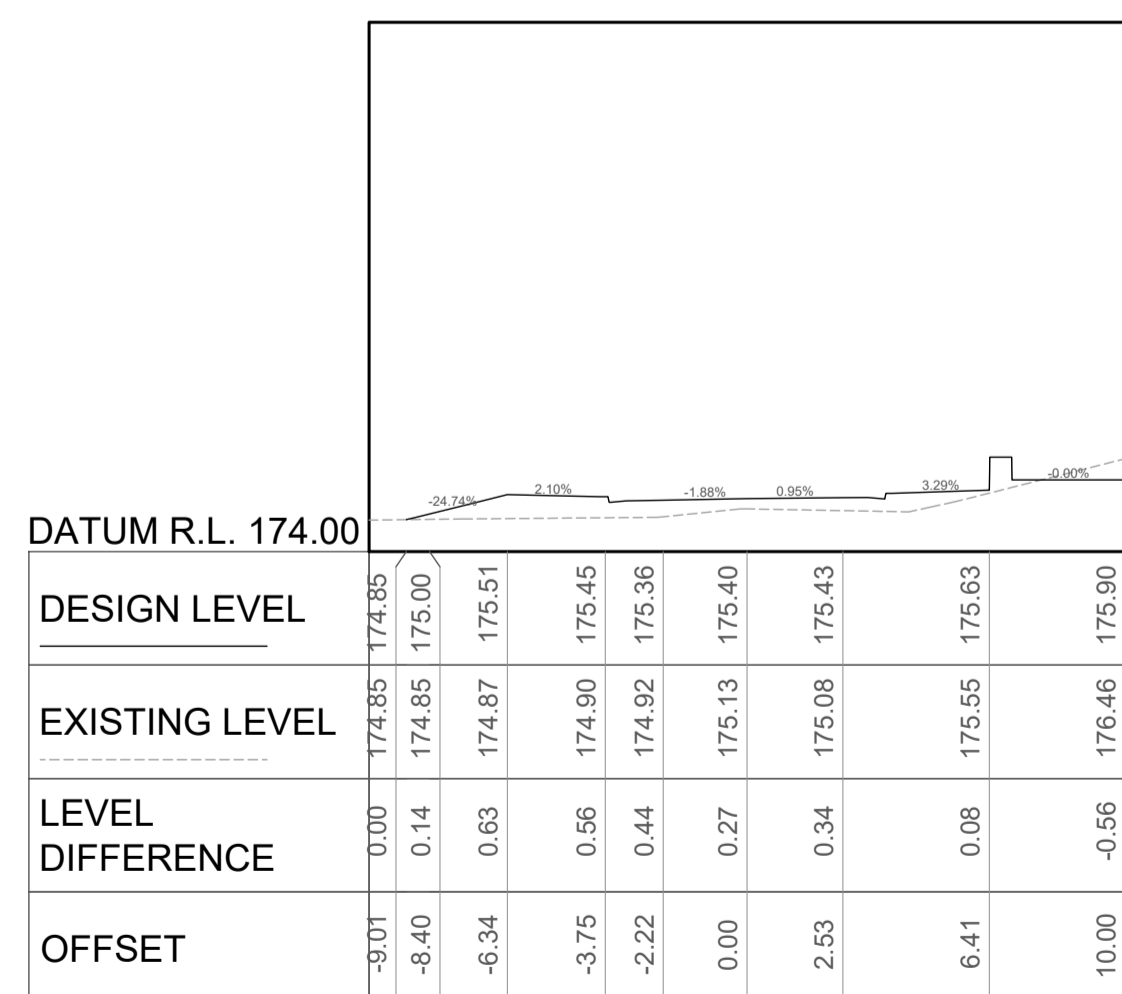
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CH 400.00



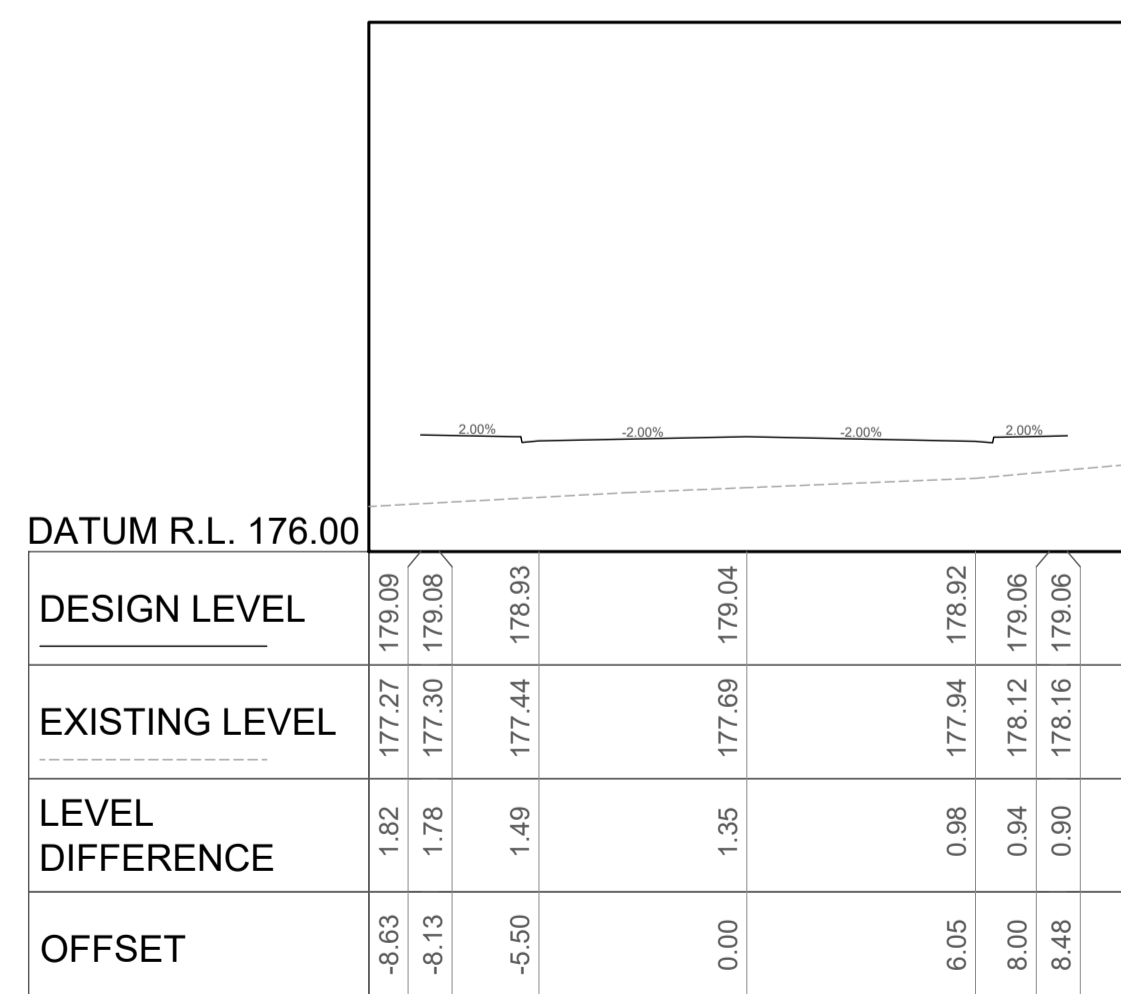
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CH 550.00



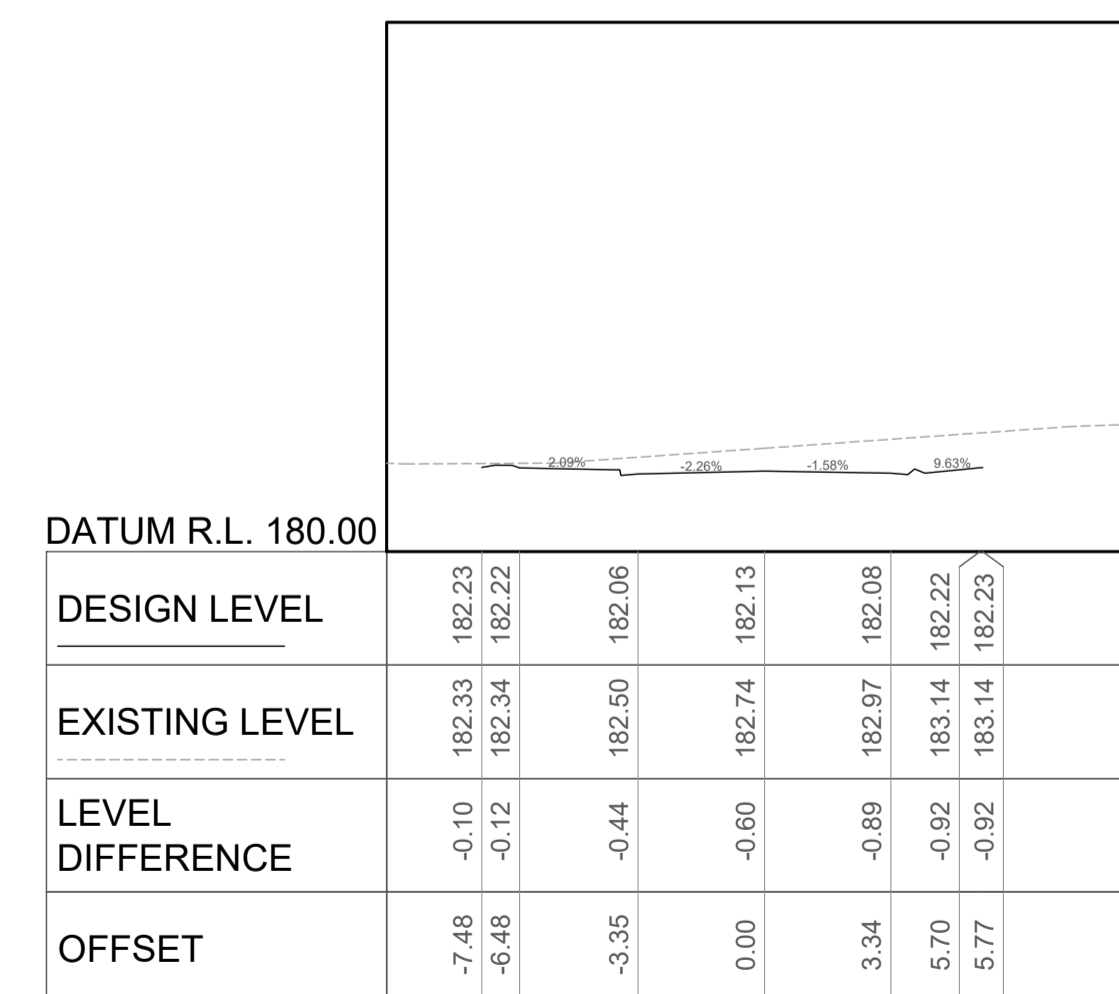
10-AL-05
CH 50.00



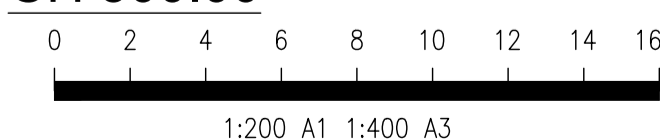
10-AL-05
CH 200.00



10-AL-05
CH 350.00



10-AL-05
CH 500.00



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Architect	ENVIRONMENTAL PARTNERSHIP (NSW) Pty Ltd
Address	22-36 MOUNTAIN STREET ULTIMO NSW 2007
Phone	(02) 9281 7007
Fax	(02) 9281 7866
Website	www.epnsw.com.au

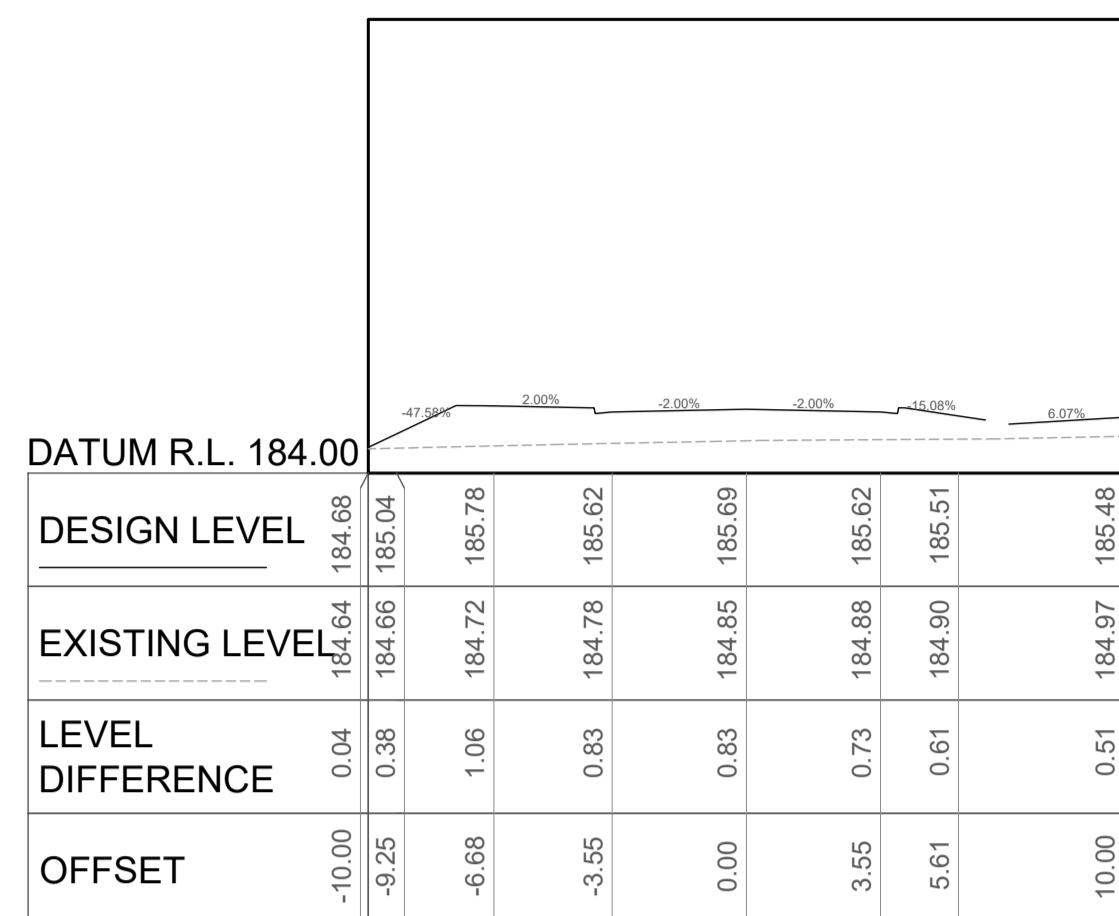
Civil Engineer	TTW Structural Civil Traffic Façade
Address	612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060

Project	WESTLEIGH PARK, QUARTER SESSIONS ROAD, HORNSBY
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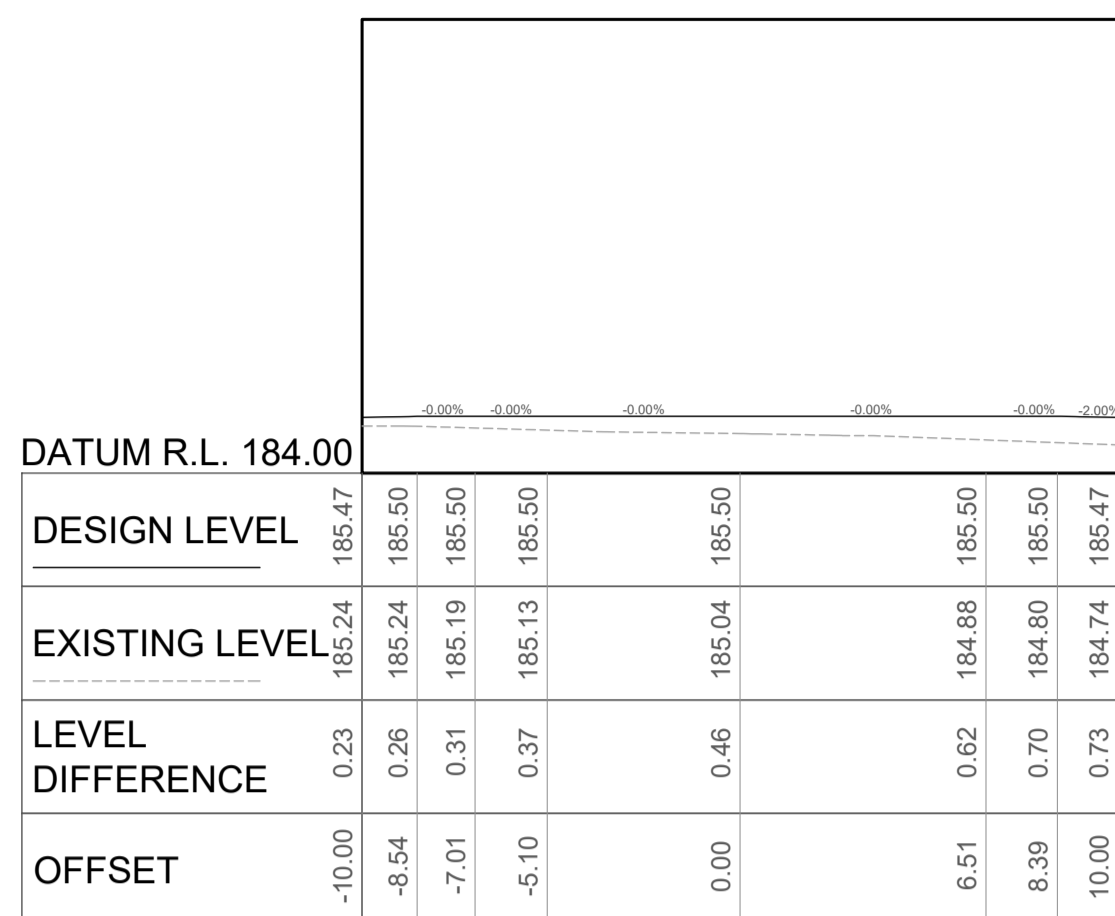
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Scale	A1
Drawn	JH
Authorised	TM
Job No	201537
Drawing No	C066
Revision	P1

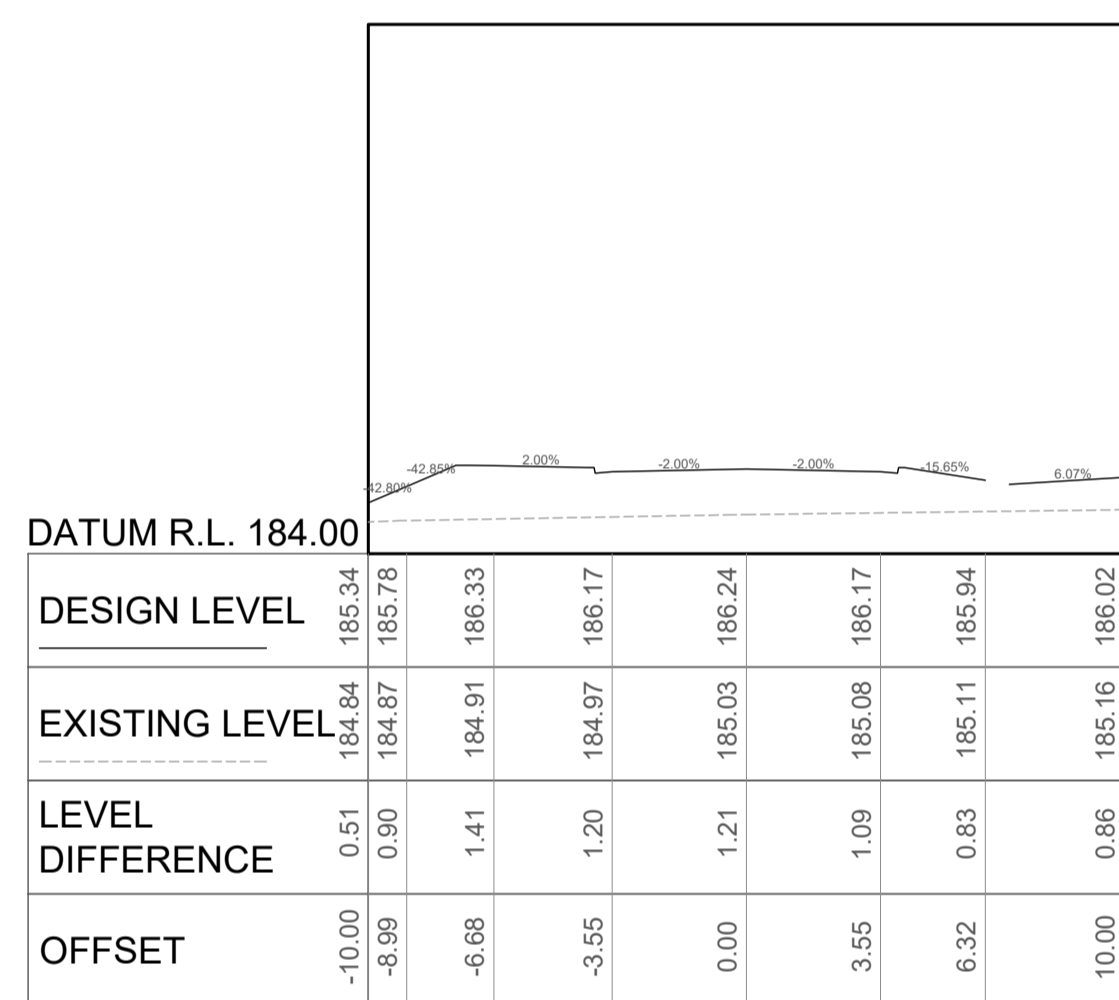
Rev	Description	Eng	Draft	Date
P1	FOR APPROVAL	DM	ARW	25.06.24



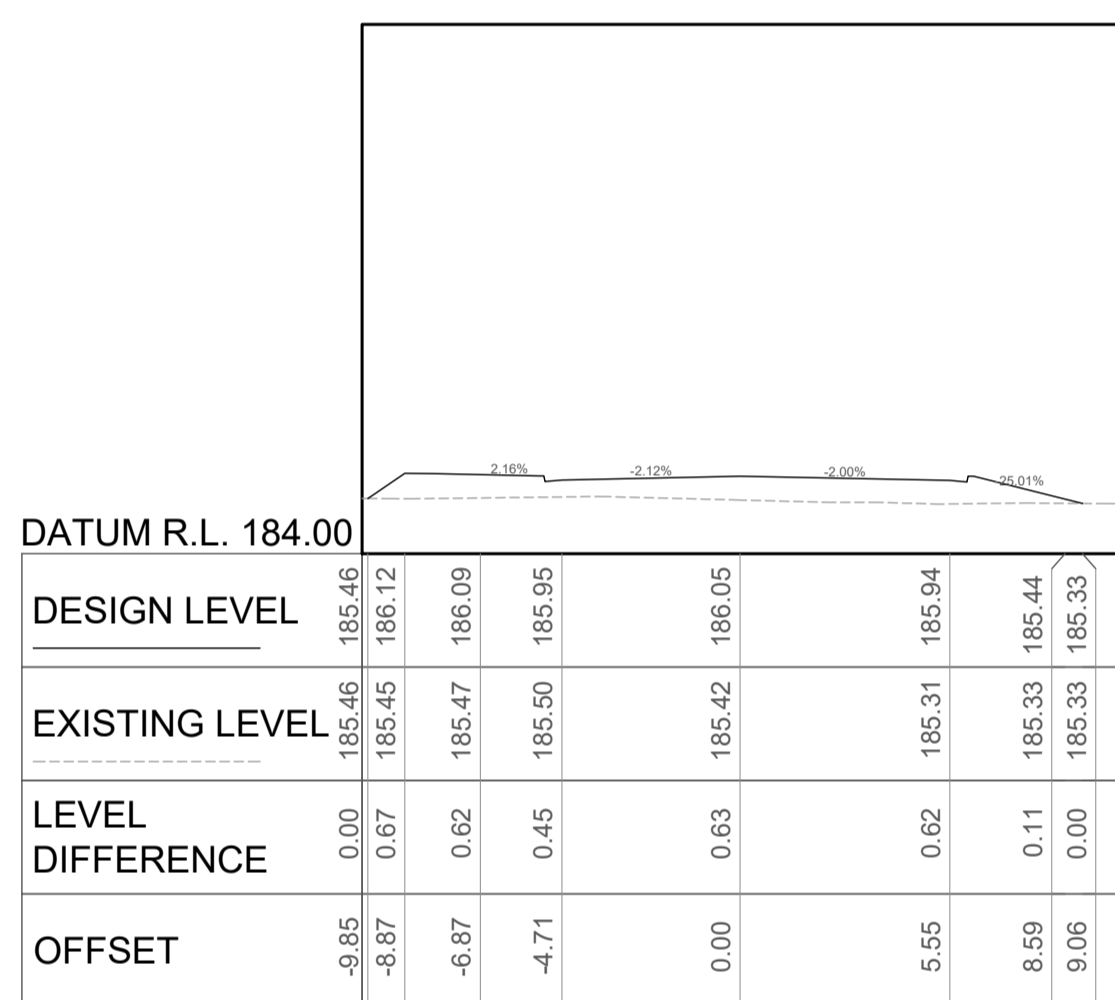
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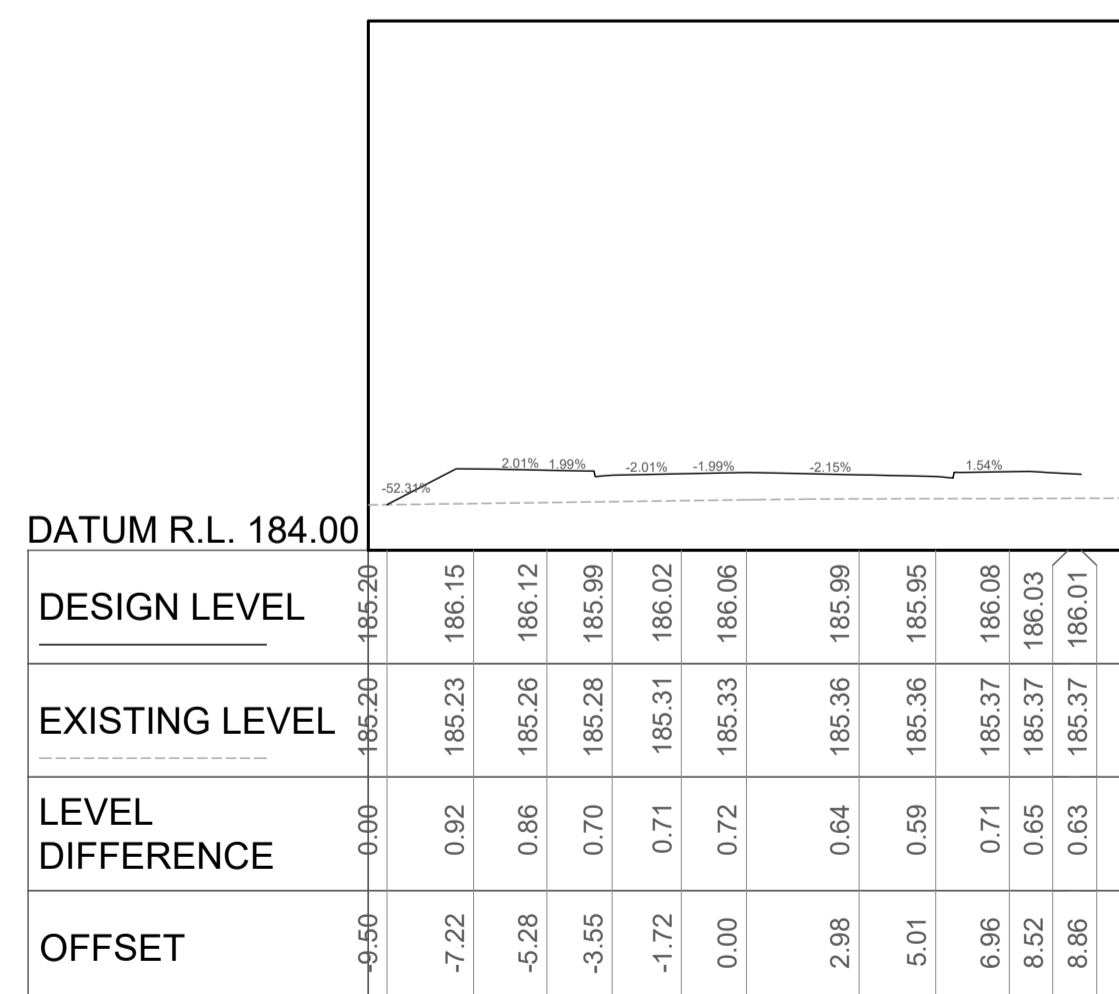
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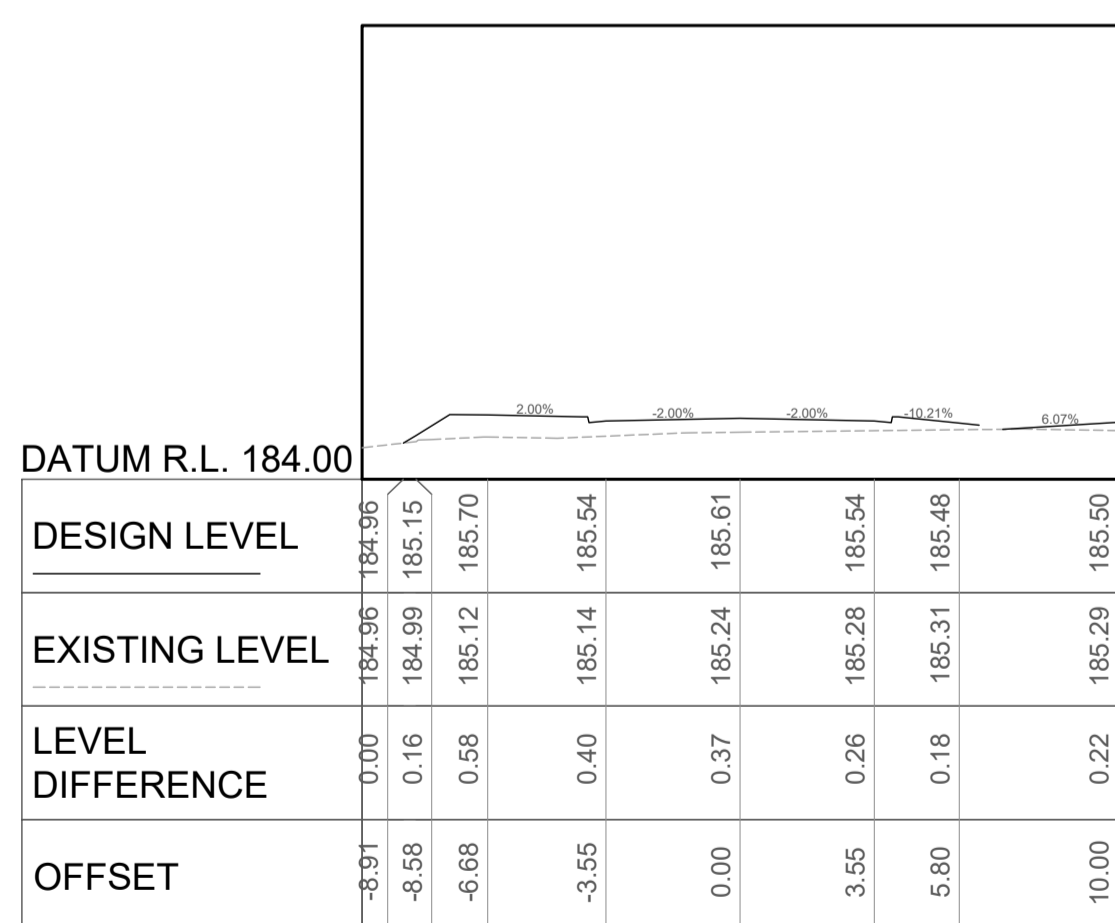
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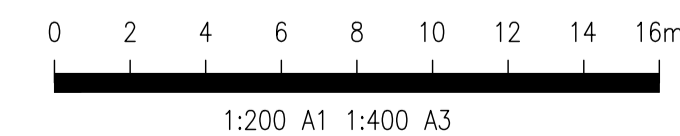
10-AL-05
CH 850.00



10-AL-05
CH 650.00



10-AL-05
CH 800.00



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Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P1	FOR APPROVAL	DM	ARW	25.06.24										

Architect
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Project
WESTLEIGH PARK, QUARTER SESSIONS ROAD, HORNSBY

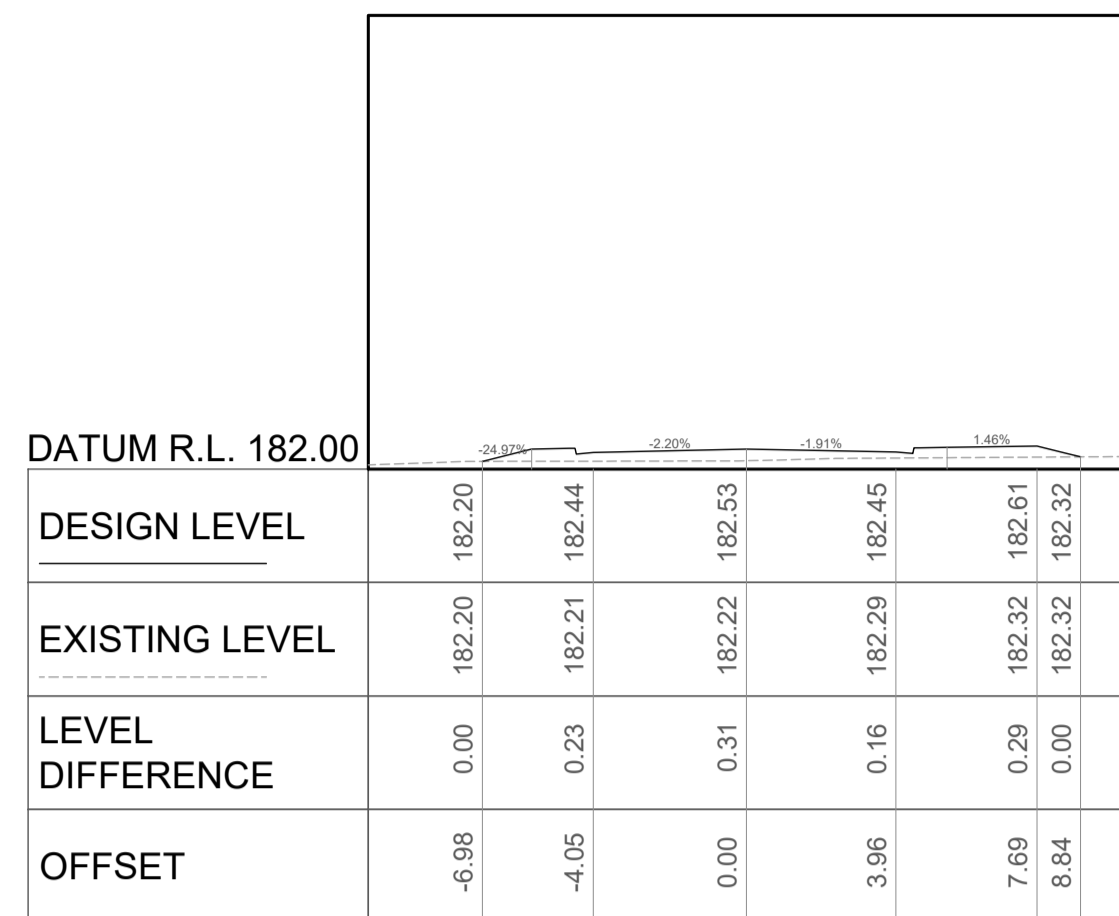
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WESTLEIGH PARK ROAD CROSS SECTIONS SHEET 2

Scale : A1
H 1:200
V 1:200
Job No
201537

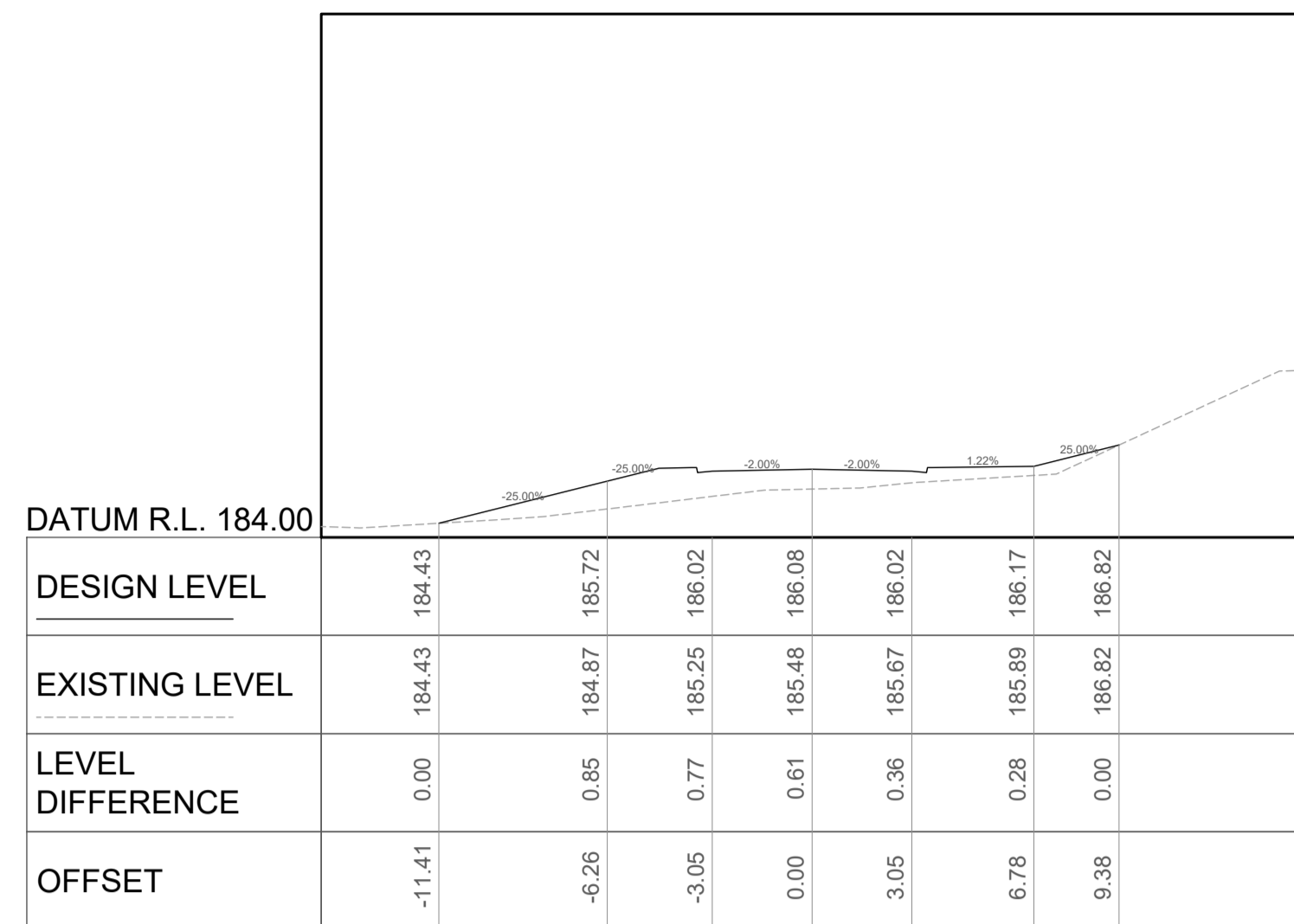
Drawn
JH

Authorised
TM

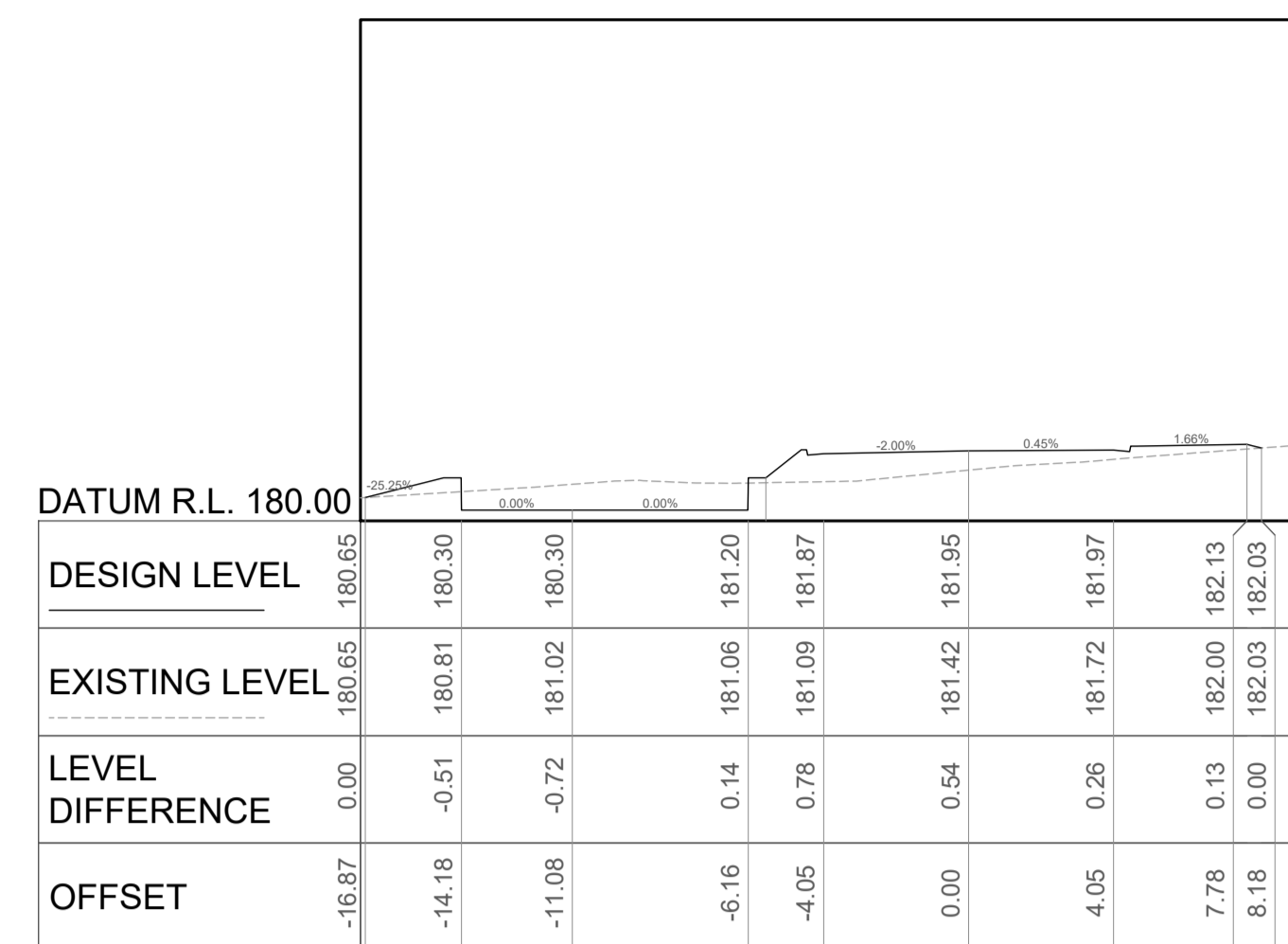
Revision
C067
P1



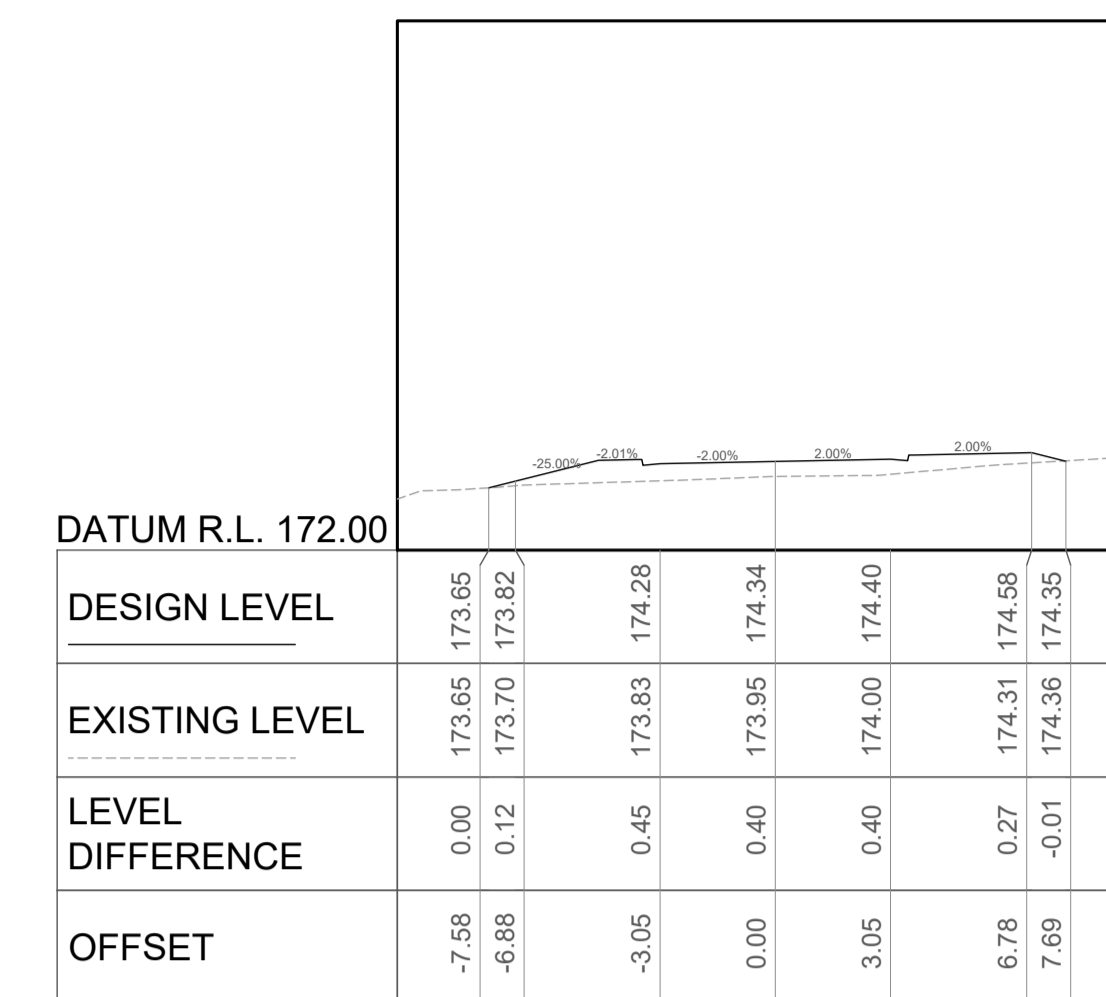
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CH 150.00



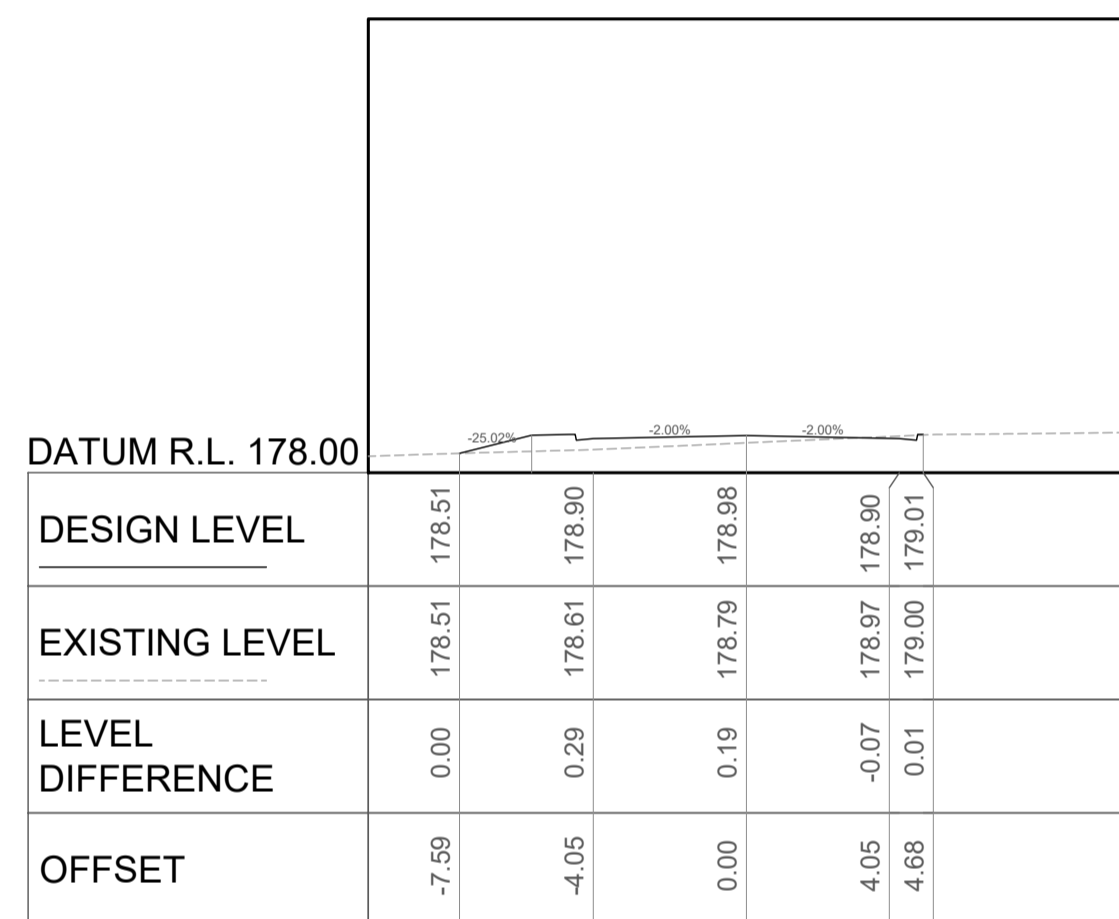
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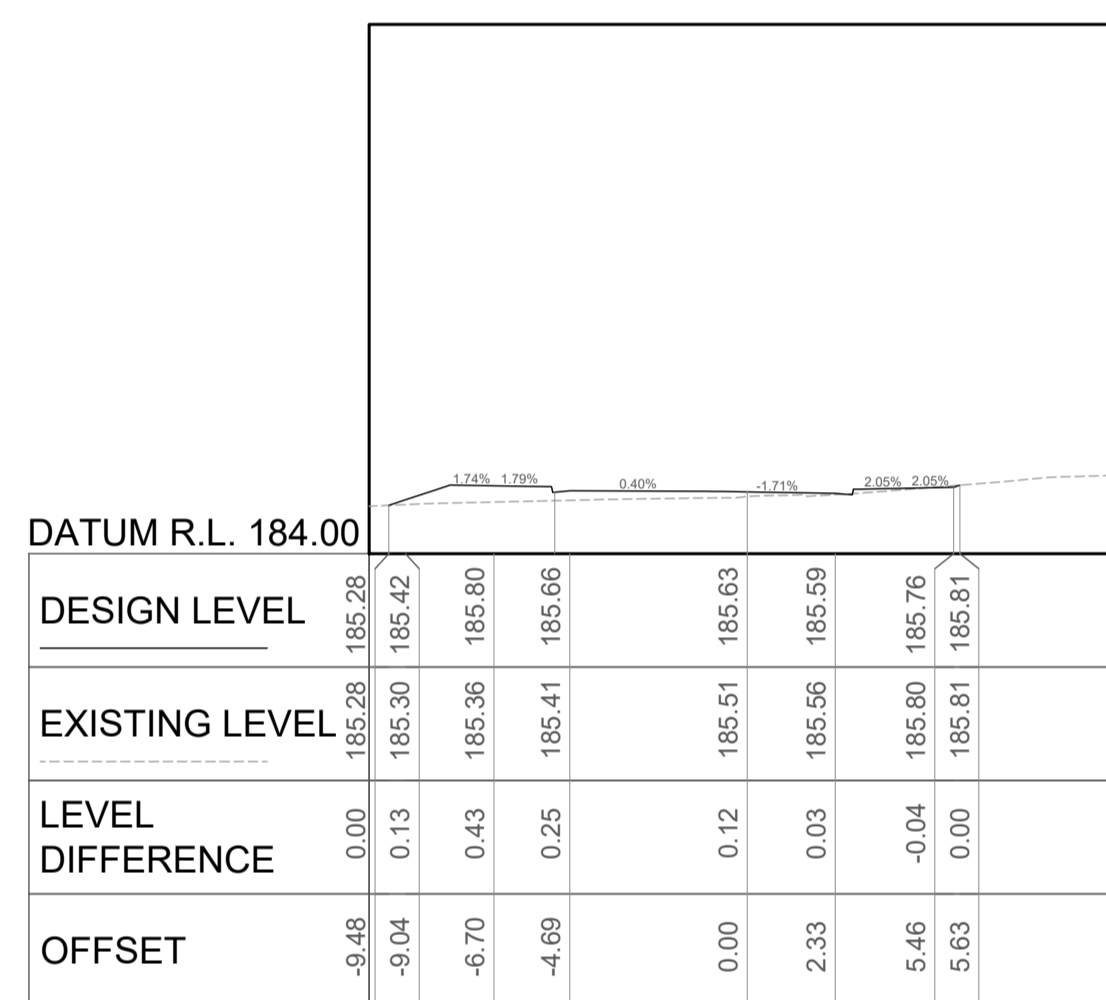
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CH 450.00



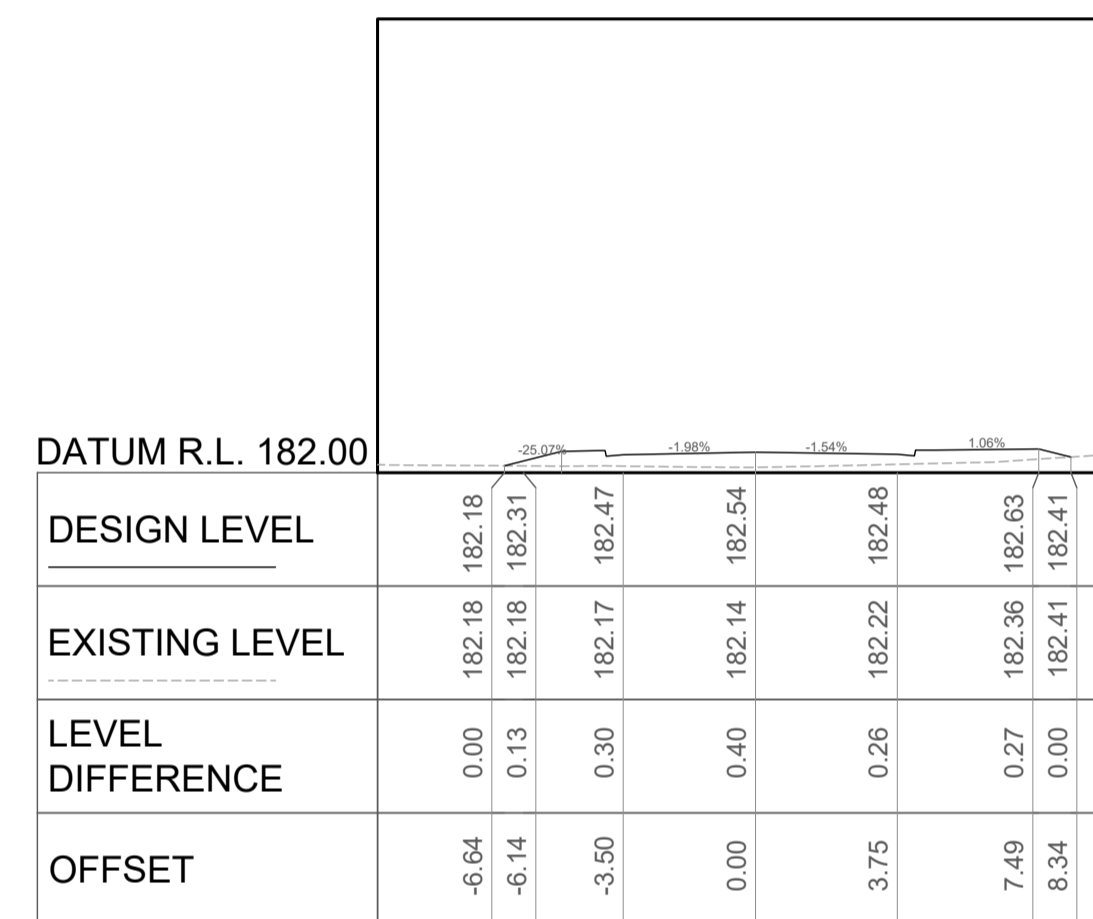
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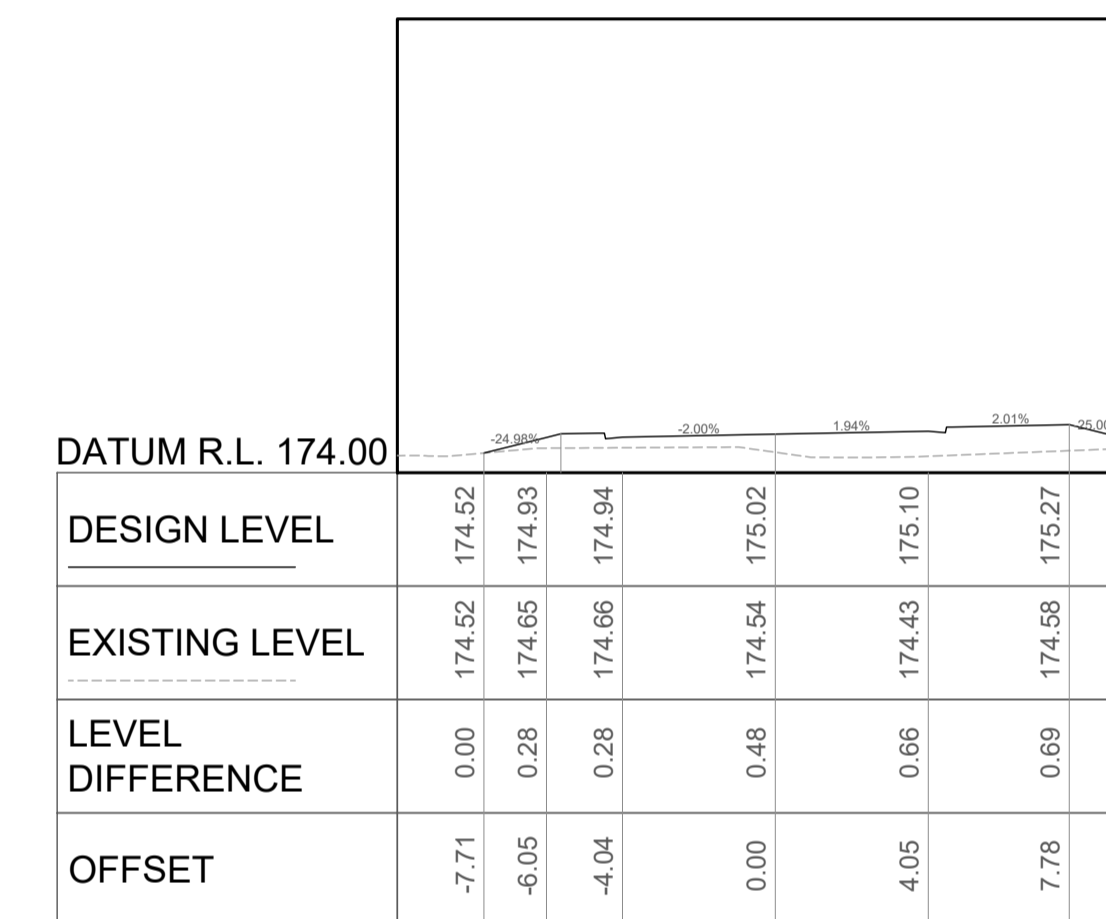
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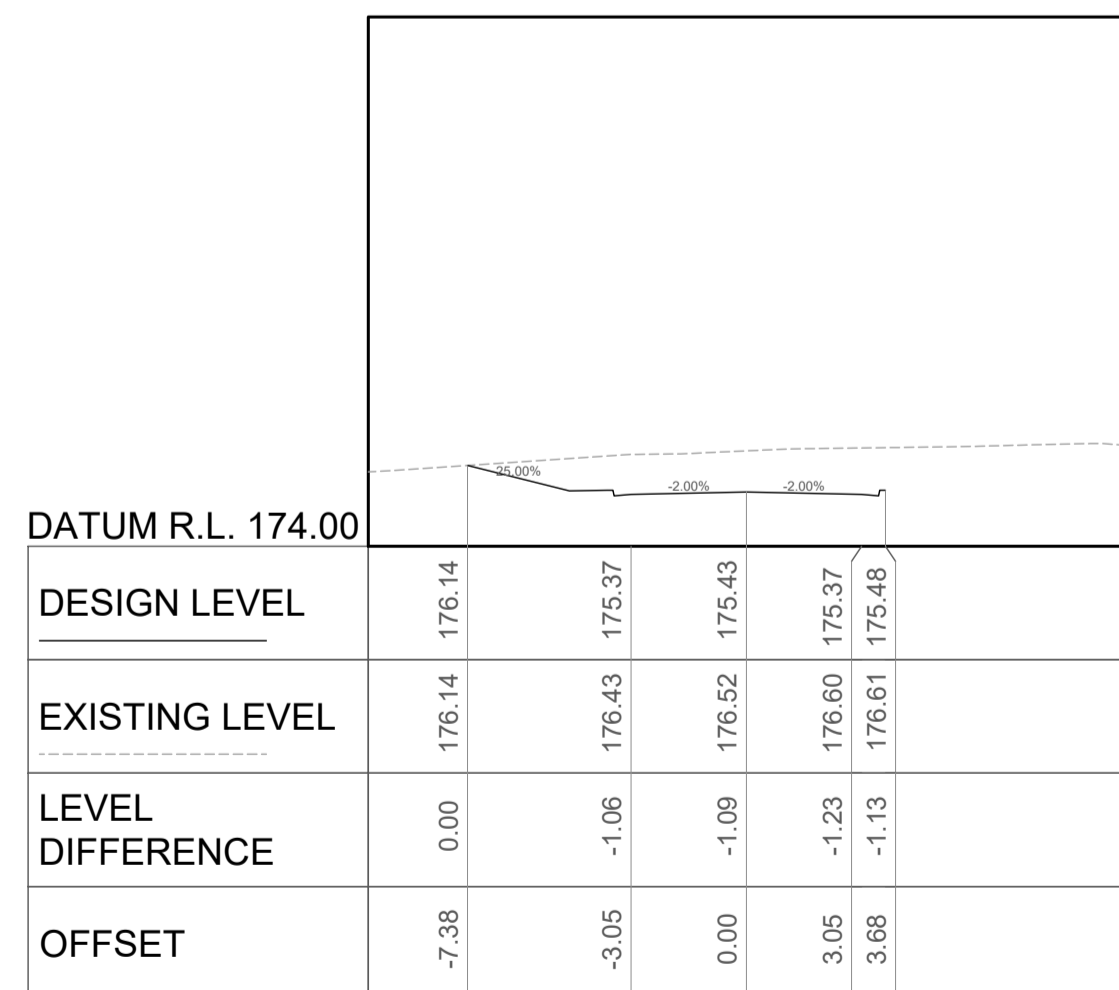
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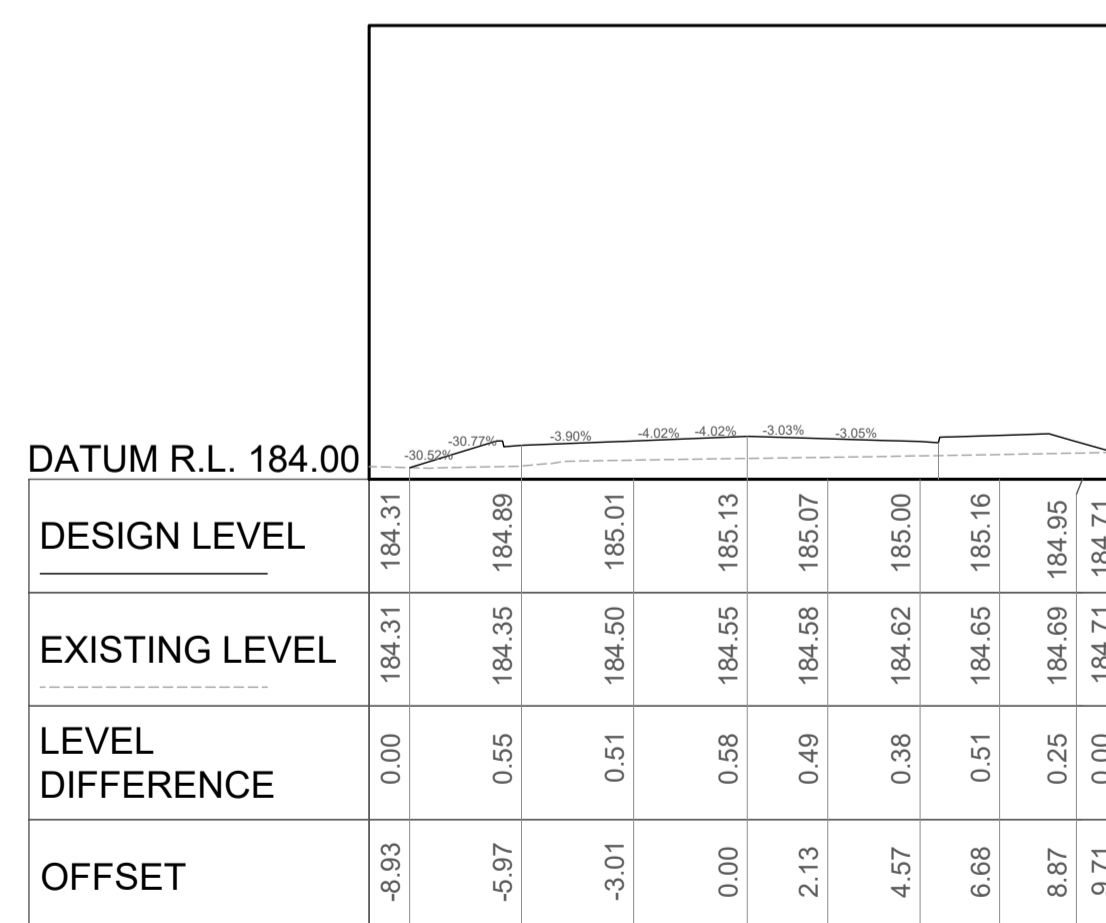
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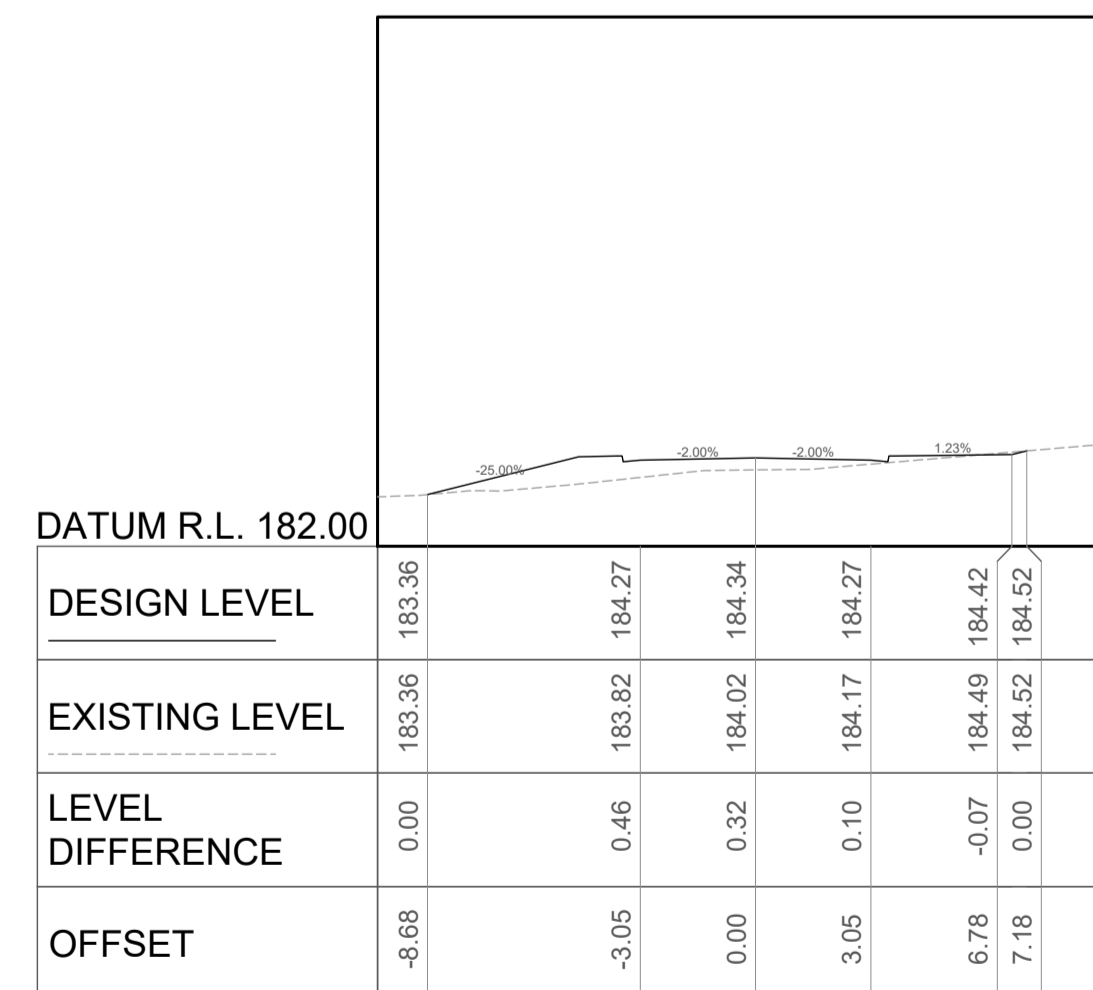
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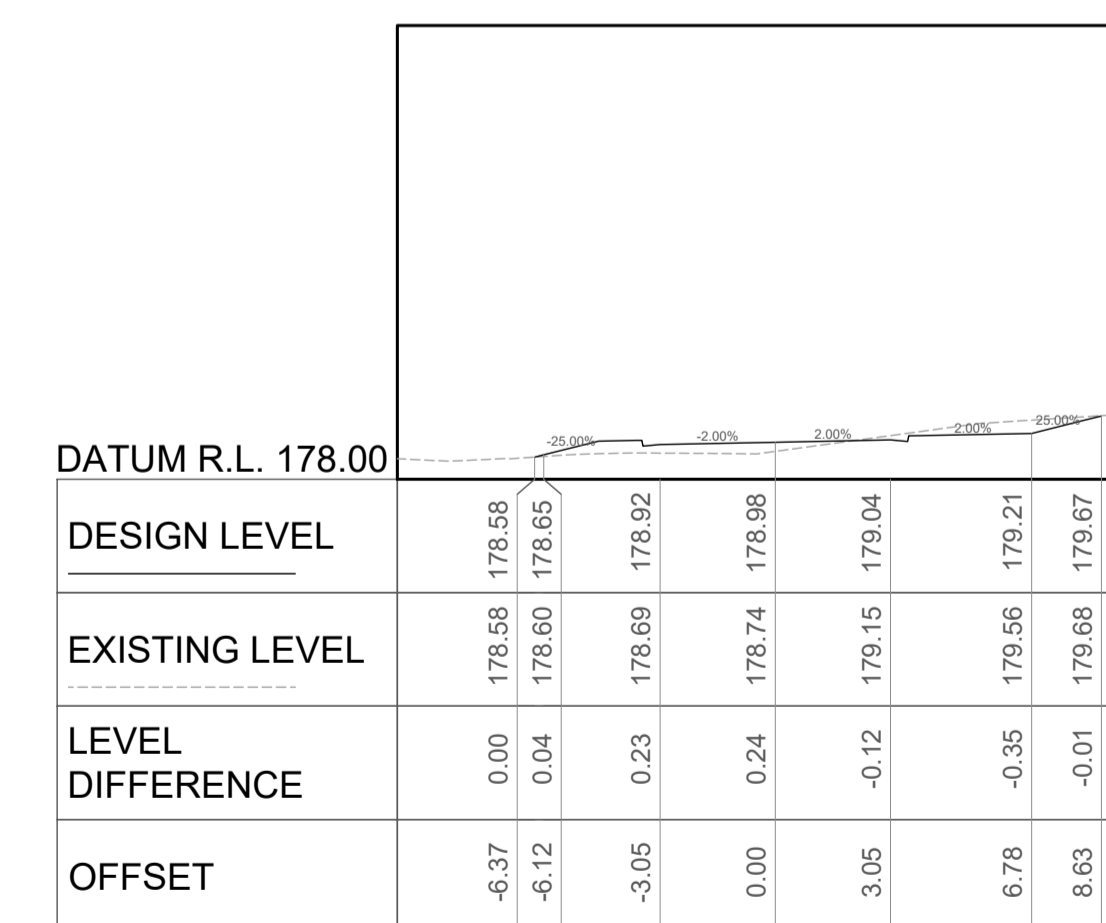
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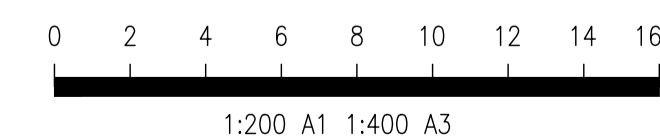
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CH 200.00



10-AL-08
CH 350.00



10-AL-08
CH 500.00



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Rev	Description	Eng	Draft	Date
P1	FOR APPROVAL	DM	ARW	25.06.24

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Project
WESTLEIGH PARK, QUARTER SESSIONS ROAD, HORNSBY

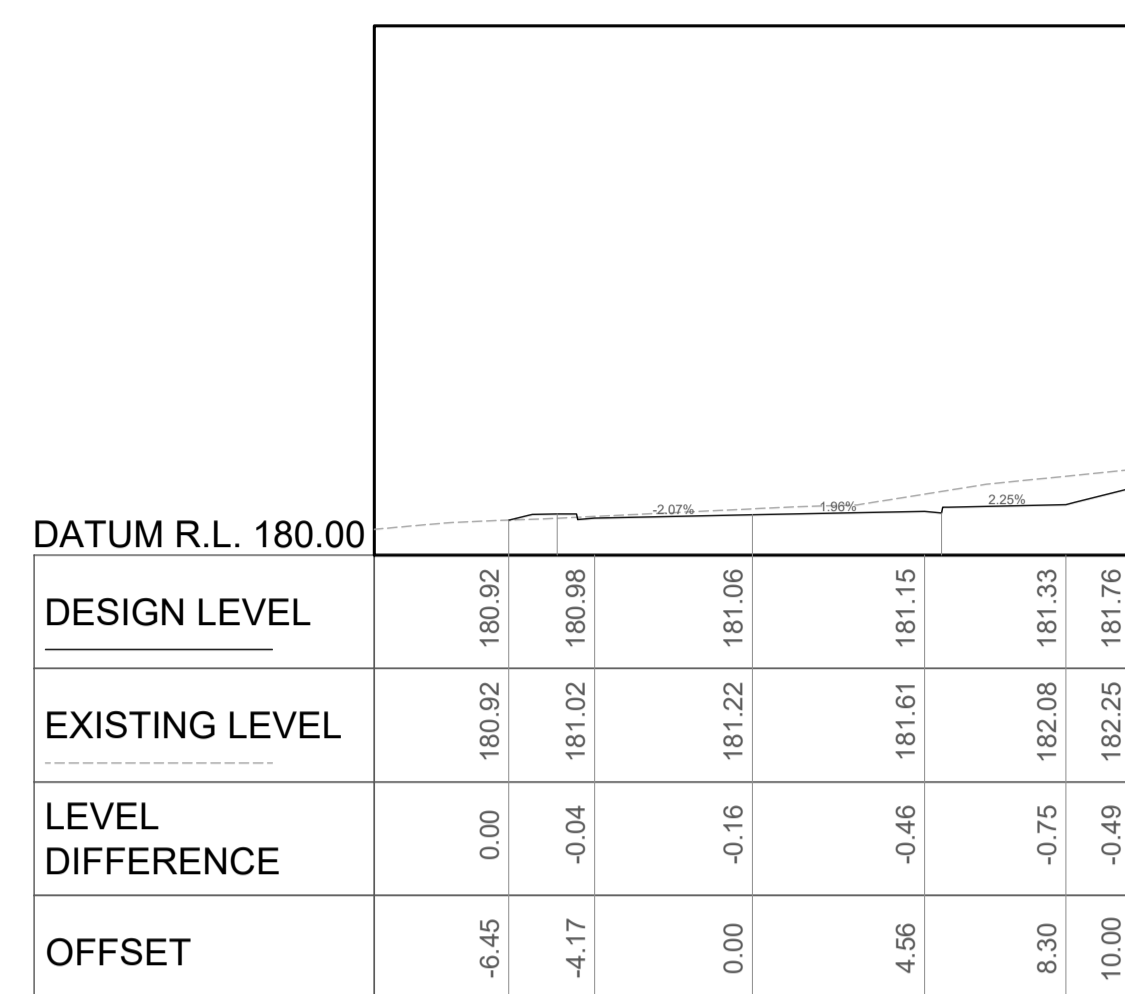
Sheet Subject
SEFTON ROAD CROSS SECTIONS SHEET 1

Scale: A1
H 1:200
V 1:200
Job No
201537

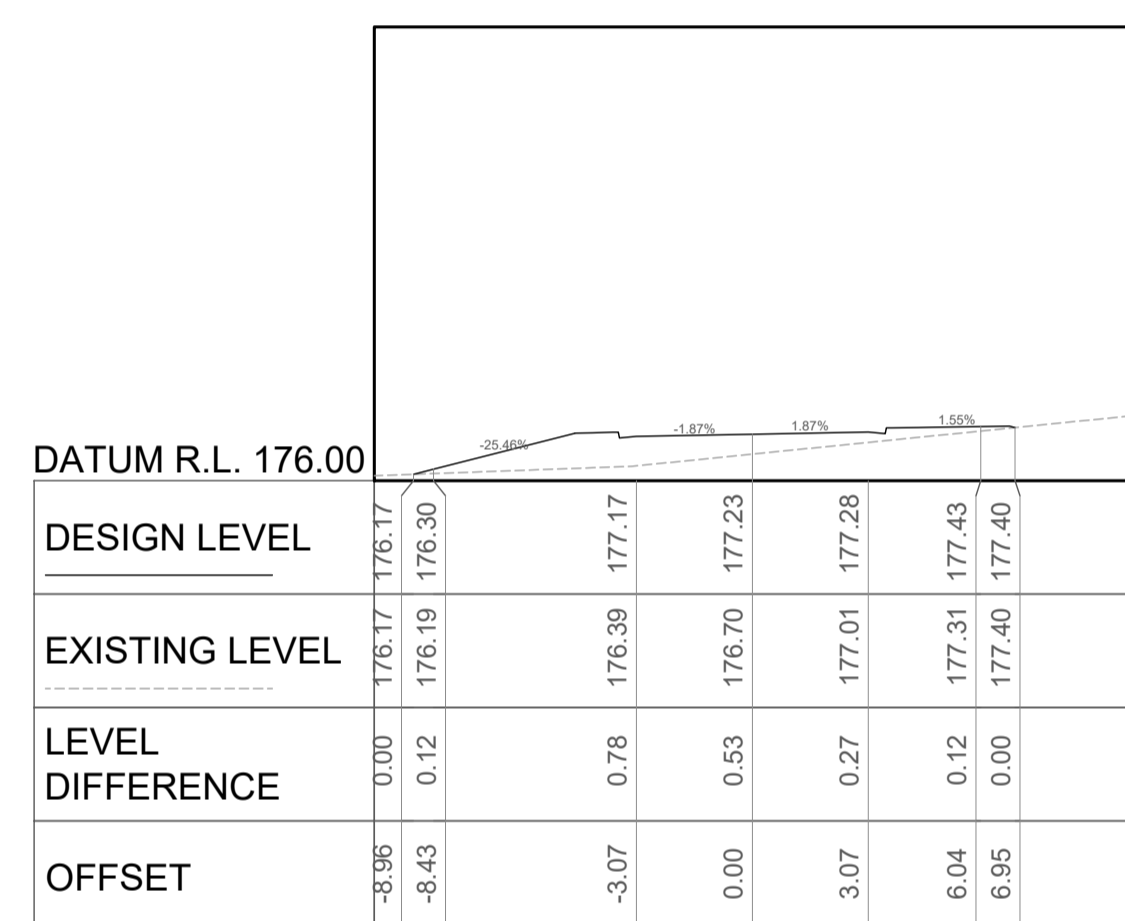
Drawn
JH
Authorised
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Drawing No
C068

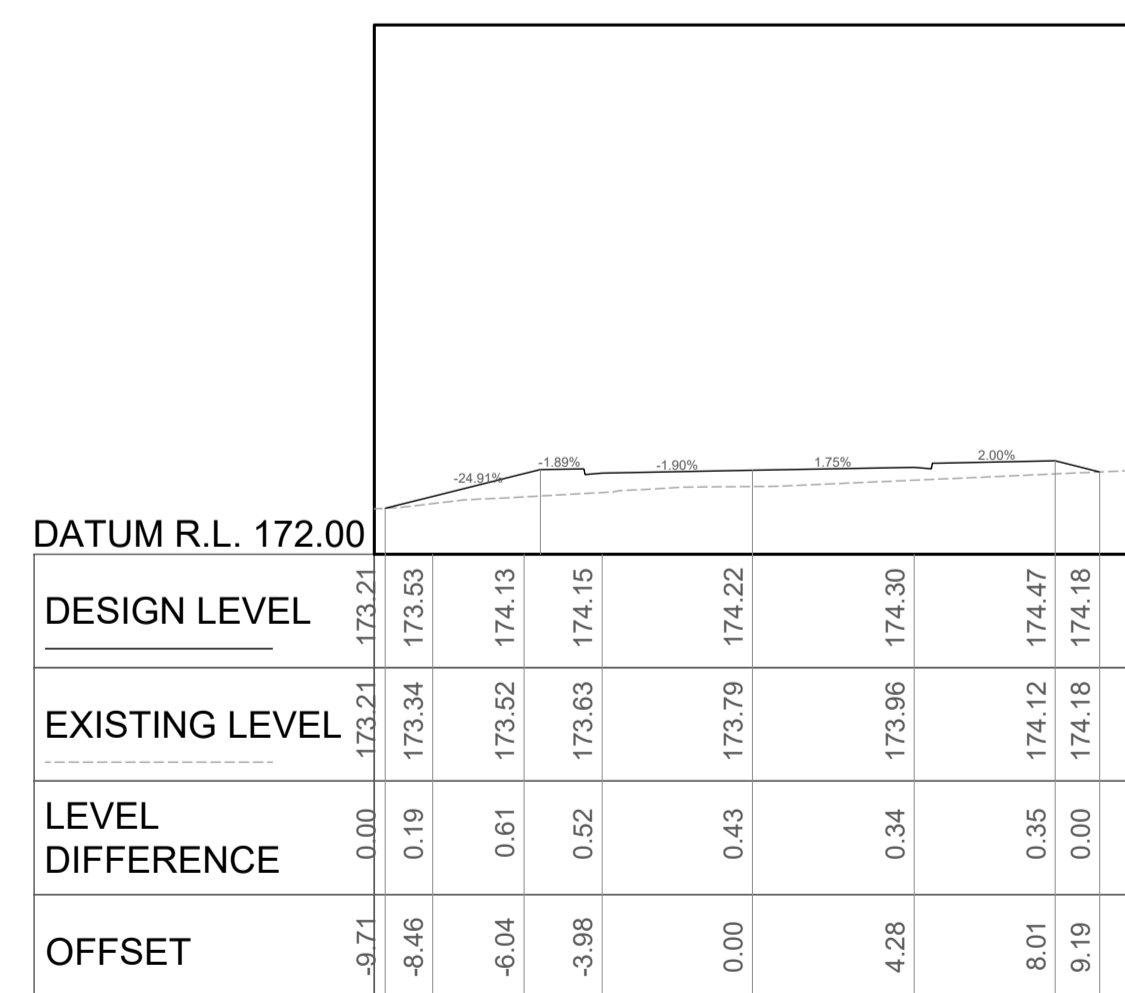
Revision
P1



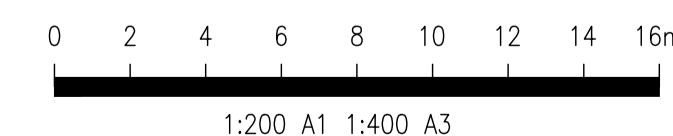
10-AL-08
CH 750.00



10-AL-08
CH 700.00



10-AL-08
CH 650.00



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Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
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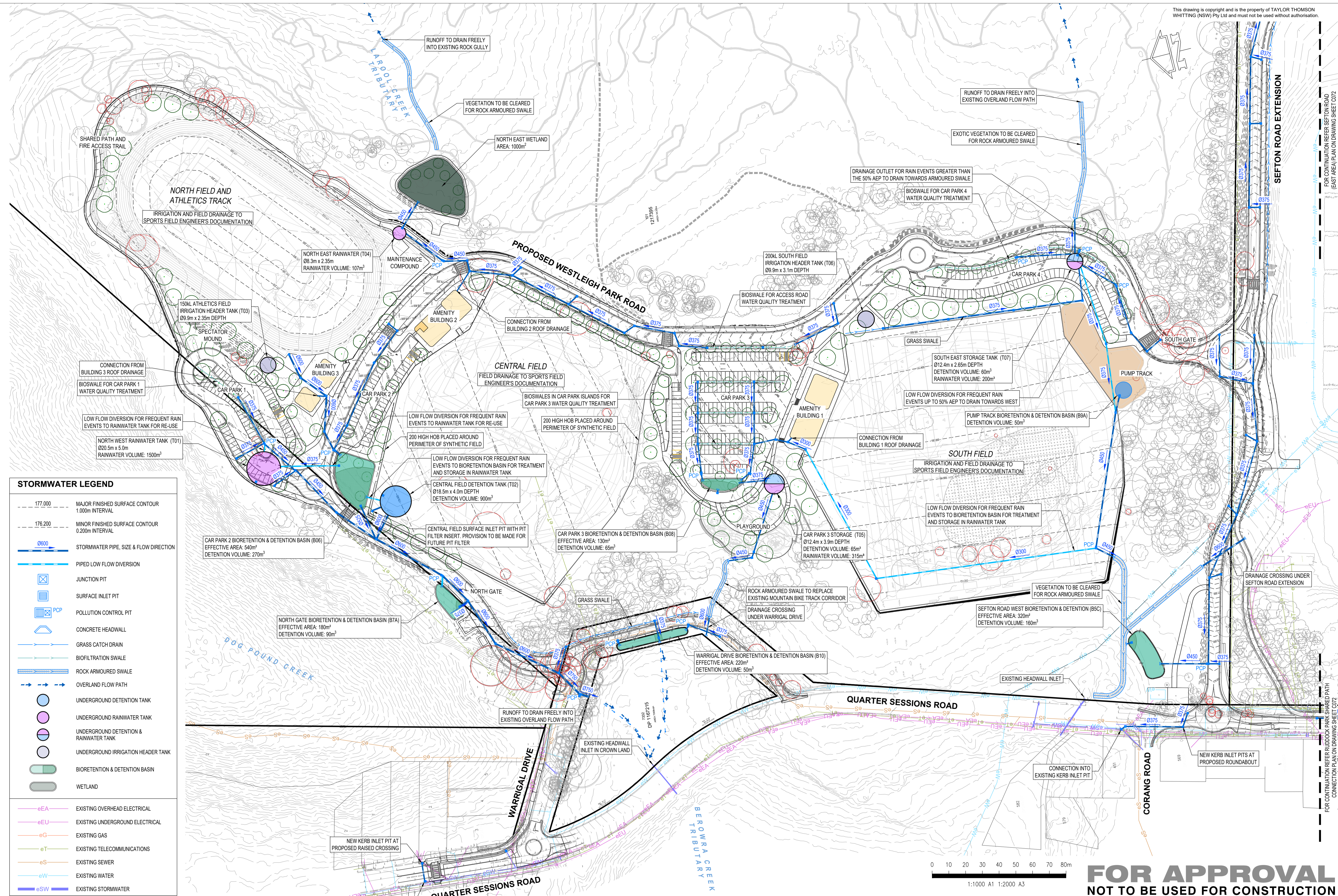
Architect
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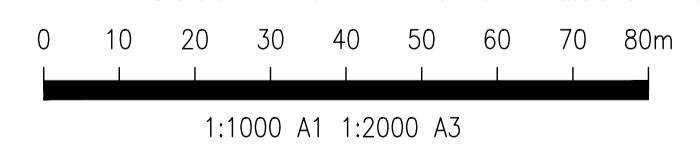
Sheet Subject
SEFTON ROAD CROSS SECTIONS SHEET 2

Scale : A1	Drawn	Authorised
H 1:200	JH	TM
V 1:200		
Job No	Drawing No	Revision
201537	C069	P1



STORMWATER LEGEND

--- 177.000 ---	MAJOR FINISHED SURFACE CONTOUR 1.000m INTERVAL
--- 176.200 ---	MINOR FINISHED SURFACE CONTOUR 0.200m INTERVAL
--- 0600 ---	STORMWATER PIPE, SIZE & FLOW DIRECTION
---	PIPED LOW FLOW DIVERSION
⊗	JUNCTION PIT
⊕	SURFACE INLET PIT
⊕ PCP	POLLUTION CONTROL PIT
▭	CONCRETE HEADWALL
---	GRASS CATCH DRAIN
---	BIOFILTRATION SWALE
---	ROCK ARMoured SWALE
---	OVERLAND FLOW PATH
○	UNDERGROUND DETENTION TANK
○	UNDERGROUND RAINWATER TANK
○	UNDERGROUND DETENTION & RAINWATER TANK
○	UNDERGROUND IRRIGATION HEADER TANK
▭	BIORETENTION & DETENTION BASIN
▭	WETLAND
---	EXISTING OVERHEAD ELECTRICAL
---	EXISTING UNDERGROUND ELECTRICAL
---	EXISTING GAS
---	EXISTING TELECOMMUNICATIONS
---	EXISTING SEWER
---	EXISTING WATER
---	EXISTING STORMWATER



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P6 FOR REVIEW	KZ	WW	01.05.23	P12 FOR APPROVAL	DM	WW	31.05.24
P5 FOR APPROVAL	KZ	WW	24.04.23	P11 FOR APPROVAL	DM	WW	15.09.23
P4 FOR APPROVAL	KZ	LW	14.04.23	P10 FOR APPROVAL	DM	WW	01.09.23
P3 FOR APPROVAL	DM	WW	10.03.22	P9 FOR APPROVAL	DM	WW	18.08.23
P2 FOR APPROVAL	DM	WW	08.07.22	P8 FOR APPROVAL	DM	WW	21.07.23
P1 75% CONCEPT ISSUE	DM	WW	25.06.21	P7 FOR APPROVAL	DM	WW	11.05.23
Rev Description	Eng	Draft	Date	Rev Description	Eng	Draft	Date

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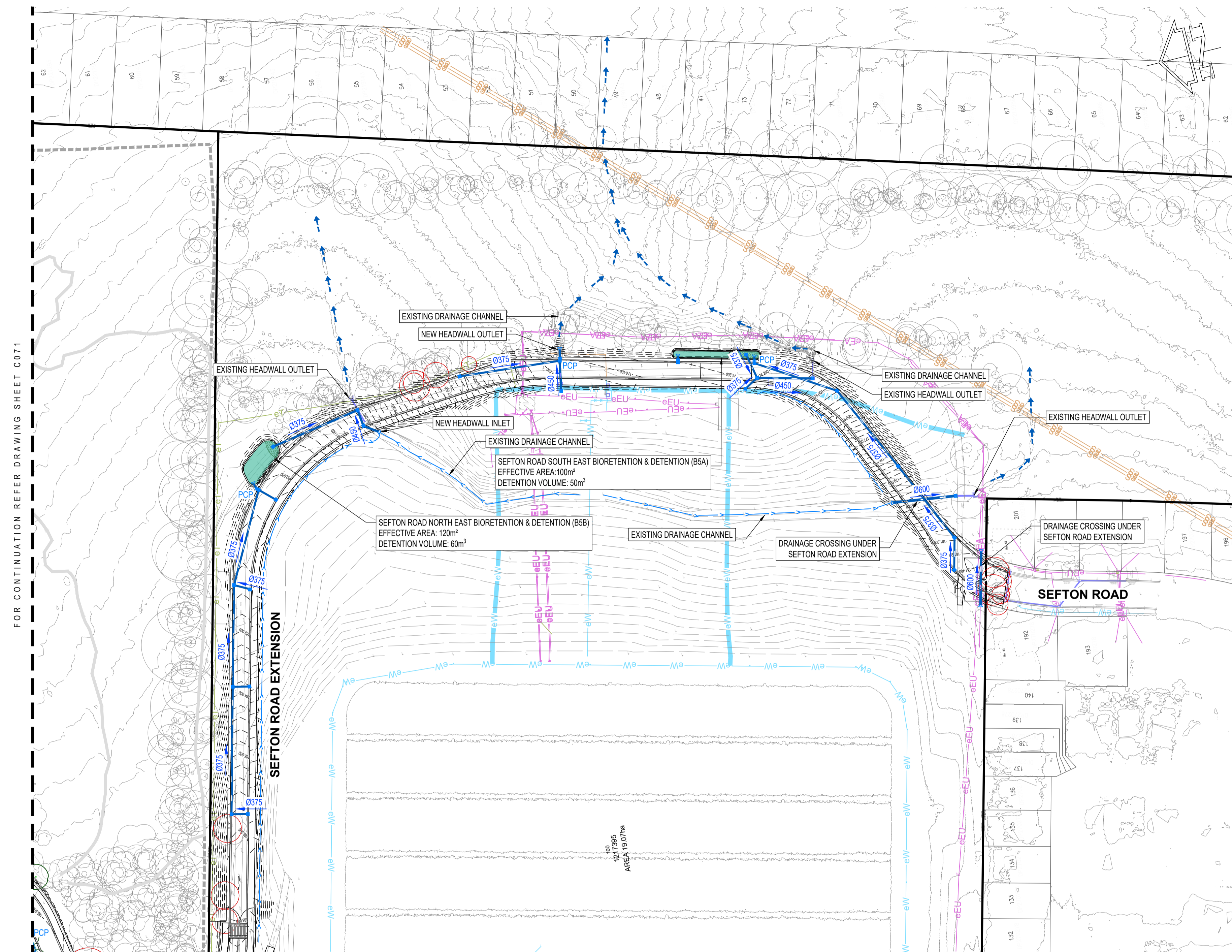
Civil Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project
WESTLEIGH PARK, QUARTER SESSIONS ROAD, HORNSBY

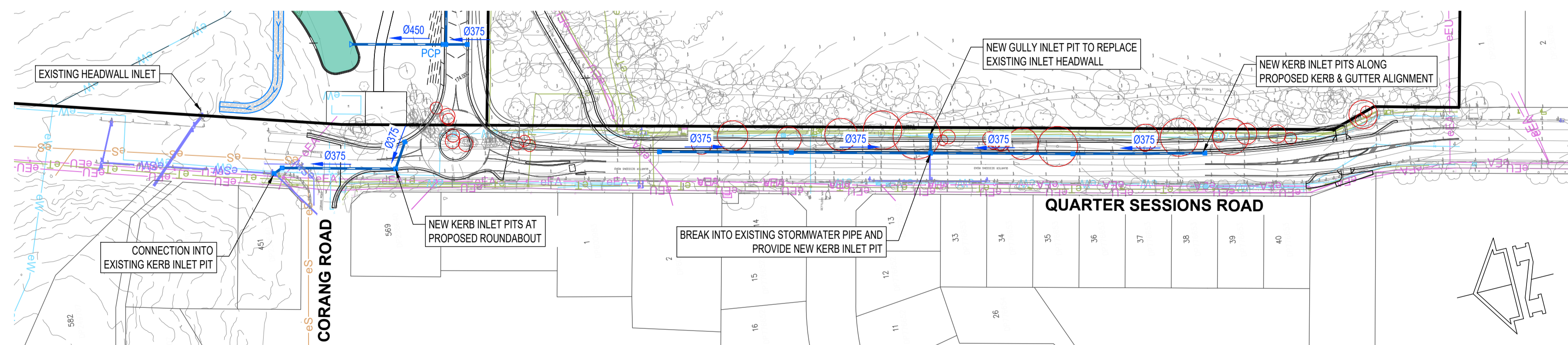
Sheet Subject
STORMWATER MANAGEMENT PLAN SHEET 1

Scale: A1	Drawn: WW	Authorised: TM
Job No: 201537	Drawing No: C071	Revision: P15

FOR CONTINUATION REFER RIDGECY PARK SHARED PATH CONNECTION PLAN ON DRAWING SHEET C072



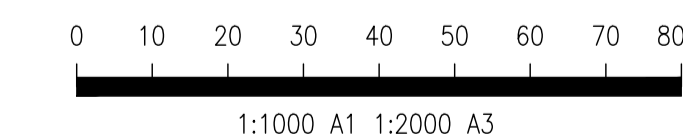
SEFTON ROAD EXTENSION (EAST AREA)
SCALE 1:1000



RUDDOCK PARK SHARED PATH CONNECTION
SCALE 1:1000

STORMWATER LEGEND

- 177.000 --- MAJOR FINISHED SURFACE CONTOUR 1.000m INTERVAL
- 176.200 --- MINOR FINISHED SURFACE CONTOUR 0.200m INTERVAL
- 0600 --- STORMWATER PIPE, SIZE & FLOW DIRECTION
- PIPED LOW FLOW DIVERSION
- ☒ JUNCTION PIT
- ☒ SURFACE INLET PIT
- ☒ PCP POLLUTION CONTROL PIT
- ☒ CONCRETE HEADWALL
- GRASS CATCH DRAIN
- BIOFILTRATION SWALE
- ROCK ARMoured SWALE
- OVERLAND FLOW PATH
- UNDERGROUND DETENTION TANK
- UNDERGROUND RAINWATER TANK
- UNDERGROUND DETENTION & RAINWATER TANK
- UNDERGROUND IRRIGATION HEADER TANK
- ☒ BIORETENTION & DETENTION BASIN
- ☒ WETLAND
- eEA --- EXISTING OVERHEAD ELECTRICAL
- eEU --- EXISTING UNDERGROUND ELECTRICAL
- eG --- EXISTING GAS
- eT --- EXISTING TELECOMMUNICATIONS
- eS --- EXISTING SEWER
- eW --- EXISTING WATER
- eSW --- EXISTING STORMWATER



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Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P6	FOR APPROVAL	DM	WW	01.09.23										
P5	FOR APPROVAL	DM	WW	18.08.23										
P4	FOR APPROVAL	DM	WW	21.07.23	P10	FOR APPROVAL	DM	WW	28.06.24					
P3	FOR APPROVAL	DM	WW	11.05.23	P9	FOR APPROVAL	DM	WW	24.06.24					
P2	FOR APPROVAL	DM	WW	08.07.22	P8	FOR APPROVAL	DM	WW	15.06.24					
P1	75% CONCEPT ISSUE	DM	WW	25.06.21	P7	FOR APPROVAL	DM	WW	31.05.24					

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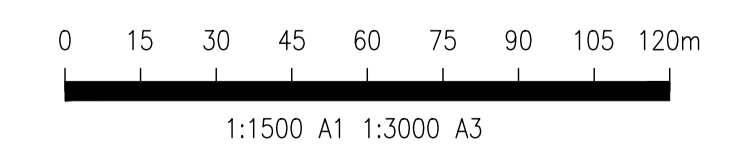
Project
WESTLEIGH PARK, QUARTER SESSIONS ROAD, HORNSBY

Sheet Subject
STORMWATER MANAGEMENT PLAN SHEET 2

Scale	A1	Drawn	WW	Authorised	TM
Job No	201537	Drawing No	C072	Revision	P10



→ → → → → OVERLAND FLOW PATH



FOR APPROVAL
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Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P3	FOR APPROVAL	DM	WW	28.06.24										
P2	FOR INFORMATION ONLY	DM	WW	26.06.24										
P1	FOR INFORMATION ONLY	DM	WW	15.06.24										

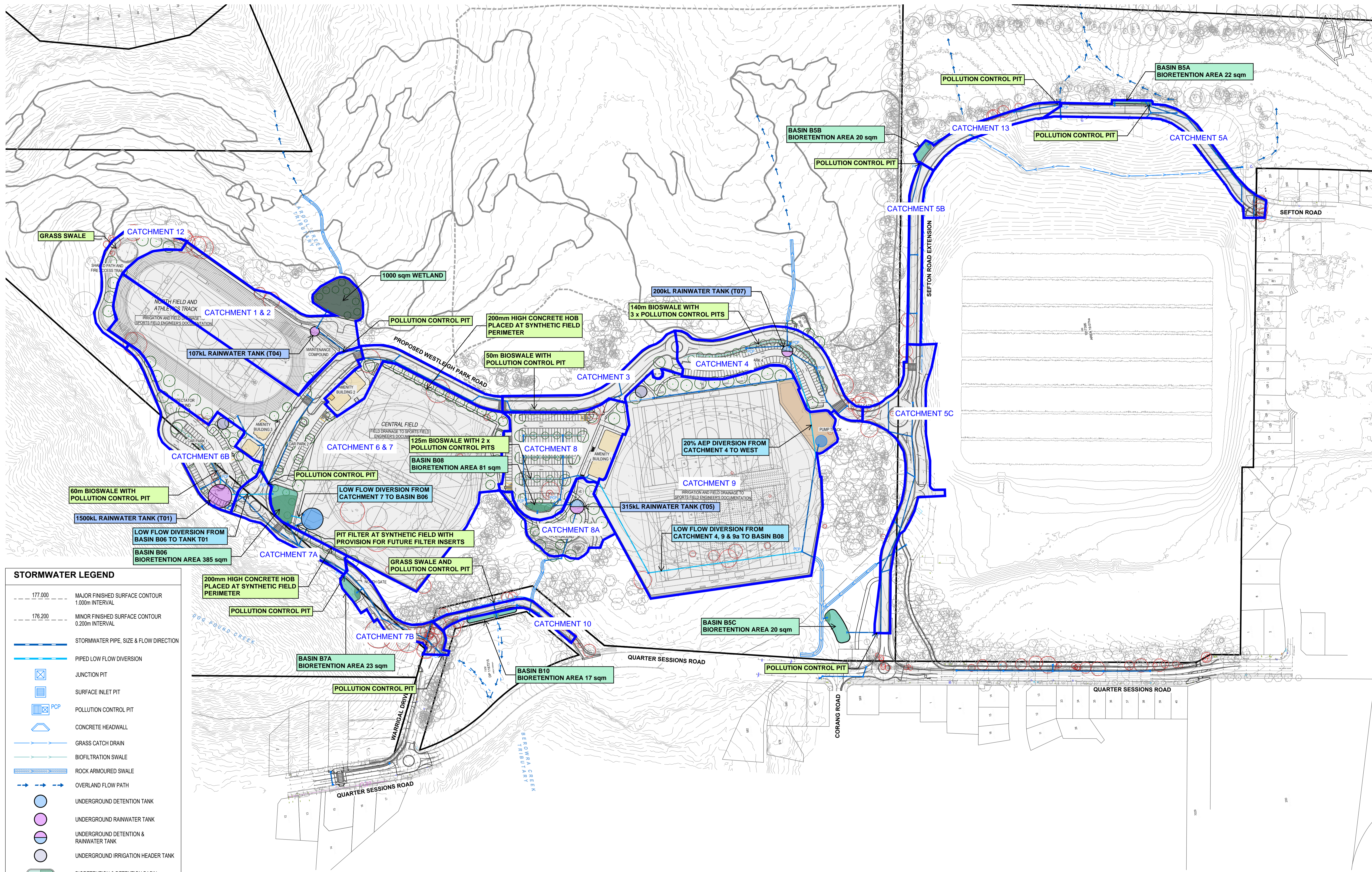
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Project
WESTLEIGH PARK, QUARTER SESSIONS ROAD, HORNSBY

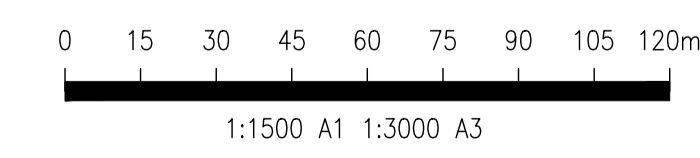
Sheet Subject
STORMWATER CATCHMENT PLAN

Scale: A1 1:1500	Drawn WW	Authorised TM
Job No 201537	Drawing No C075	Revision P3



STORMWATER LEGEND

- 177,000 --- MAJOR FINISHED SURFACE CONTOUR 1,000m INTERVAL
- 176,200 --- MINOR FINISHED SURFACE CONTOUR 0,200m INTERVAL
- STORMWATER PIPE, SIZE & FLOW DIRECTION
- PIPED LOW FLOW DIVERSION
- ⊕ JUNCTION PIT
- ⊕ SURFACE INLET PIT
- ⊕ PCP POLLUTION CONTROL PIT
- ▭ CONCRETE HEADWALL
- ▭ GRASS CATCH DRAIN
- ▭ BIOFILTRATION SWALE
- ▭ ROCK ARMoured SWALE
- OVERLAND FLOW PATH
- UNDERGROUND DETENTION TANK
- UNDERGROUND RAINWATER TANK
- UNDERGROUND DETENTION & RAINWATER TANK
- UNDERGROUND IRRIGATION HEADER TANK
- ▭ BIORETENTION & DETENTION BASIN
- ▭ WETLAND



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P2	FOR APPROVAL	DM	WW	28.08.24										
P1	FOR APPROVAL	DM	WW	26.06.24										

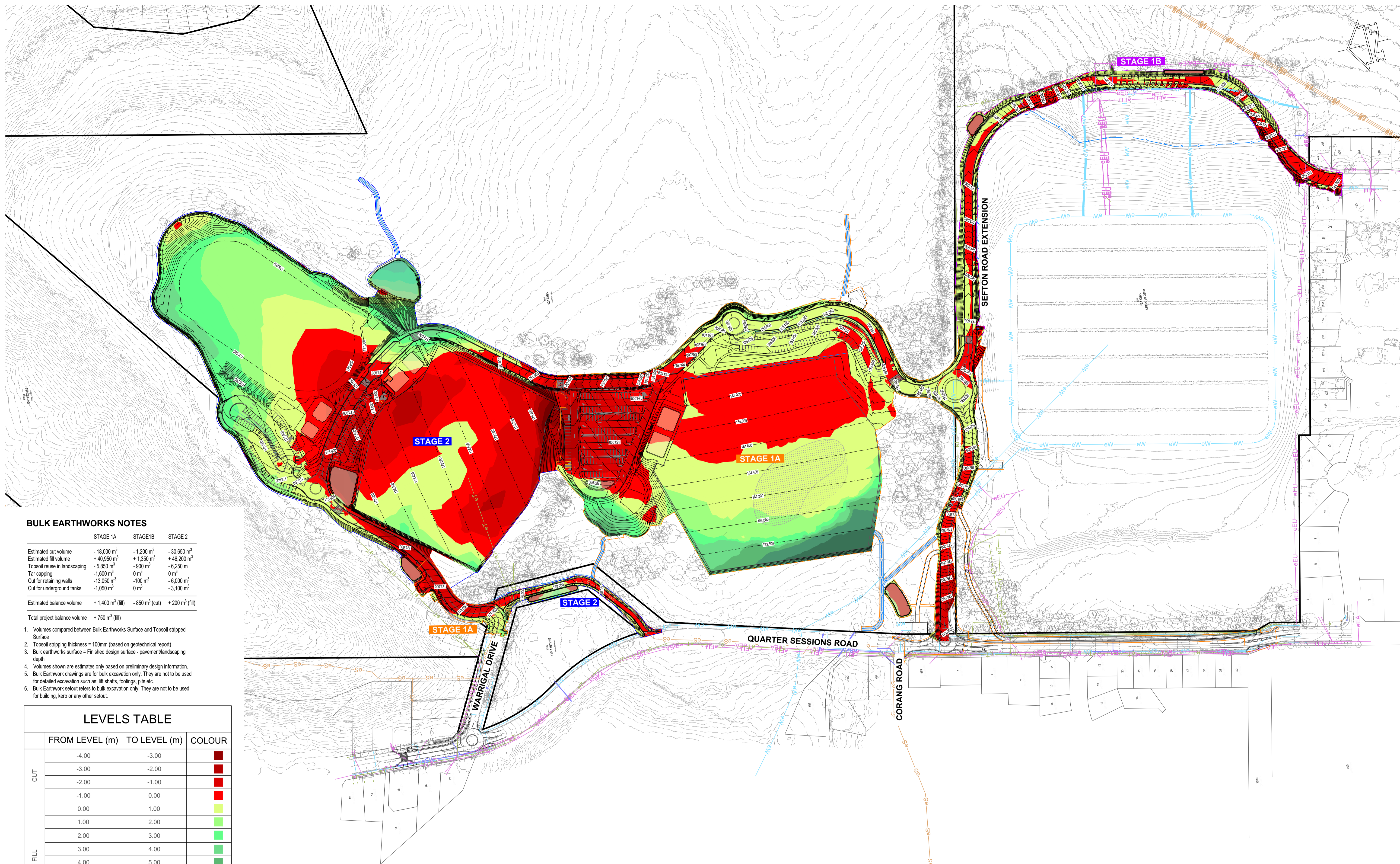
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WESTLEIGH PARK, QUARTER SESSIONS ROAD, HORNSBY

Sheet Subject
WATER QUALITY MANAGEMENT SCHEMATIC PLAN

Scale	Drawn	Authorised
1:1500	WW	TM
Job No	Drawing No	Revision
201537	C076	P2



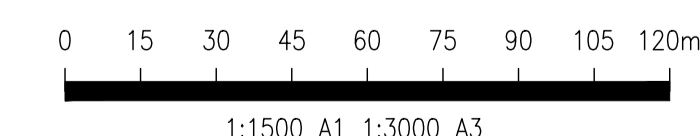
BULK EARTHWORKS NOTES

	STAGE 1A	STAGE 1B	STAGE 2
Estimated cut volume	-18,000 m ³	-1,200 m ³	-30,850 m ³
Estimated fill volume	+40,950 m ³	+1,350 m ³	+46,200 m ³
Topssoil reuse in landscaping	-5,850 m ³	-900 m ³	-6,250 m ³
Tar capping	-1,600 m ³	0 m ³	0 m ³
Cut for retaining walls	-13,050 m ³	-100 m ³	-6,000 m ³
Cut for underground tanks	-1,050 m ³	0 m ³	-3,100 m ³
Estimated balance volume	+1,400 m ³ (fill)	-850 m ³ (cut)	+200 m ³ (fill)
Total project balance volume	+750 m ³ (fill)		

- Volumes compared between Bulk Earthworks Surface and Topssoil stripped Surface
- Topssoil stripping thickness = 100mm (based on geotechnical report)
- Bulk earthworks surface = Finished design surface - pavement/landscaping depth
- Volumes shown are estimates only based on preliminary design information.
- Bulk Earthwork drawings are for bulk excavation only. They are not to be used for detailed excavation such as: lift shafts, footings, pits etc.
- Bulk Earthwork setback refers to bulk excavation only. They are not to be used for building, kerb or any other setback.

LEVELS TABLE

	FROM LEVEL (m)	TO LEVEL (m)	COLOUR
CUT	-4.00	-3.00	Dark Red
	-3.00	-2.00	Red
	-2.00	-1.00	Light Red
	-1.00	0.00	Red-Orange
FILL	0.00	1.00	Light Green
	1.00	2.00	Green
	2.00	3.00	Dark Green
	3.00	4.00	Dark Green
	4.00	5.00	Dark Green
	5.00	6.00	Dark Green
	6.00	7.00	Dark Green
	7.00	8.00	Dark Green



PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P6	PRELIMINARY	KZ	WW	01.05.23										
P5	PRELIMINARY	DM	AT	18.04.23										
P4	PRELIMINARY	DM	AS	16.02.23										
P3	PRELIMINARY	DM	AS	09.02.23	P9	PRELIMINARY	DM	WW	15.06.24					
P2	FOR APPROVAL	DM	WW	08.07.22	P8	PRELIMINARY	DM	WW	18.08.23					
P1	75% CONCEPT ISSUE	DM	WW	30.06.21	P7	PRELIMINARY	DM	WW	21.07.23					

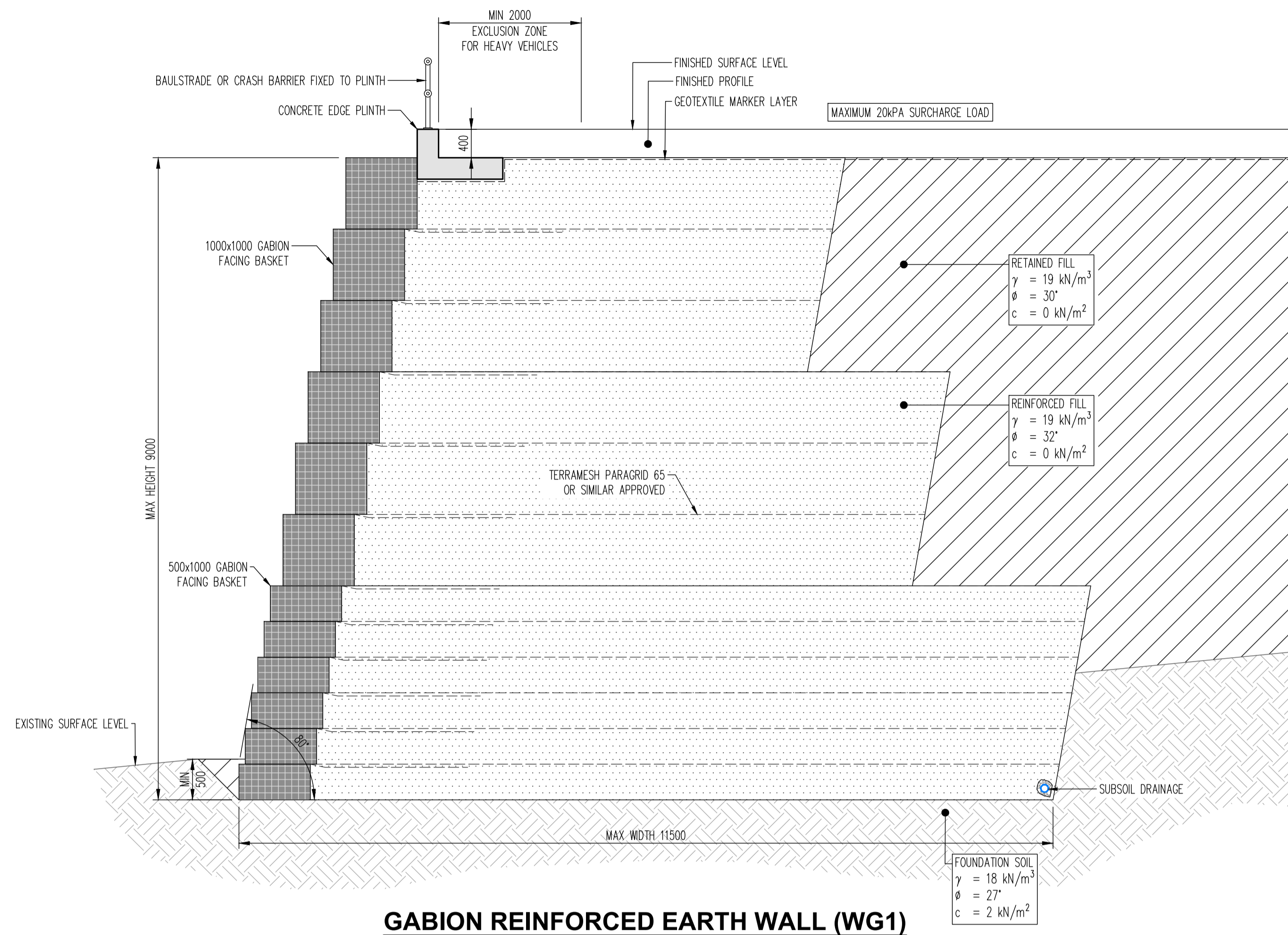
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Project
WESTLEIGH PARK, QUARTER SESSIONS ROAD, HORNSBY

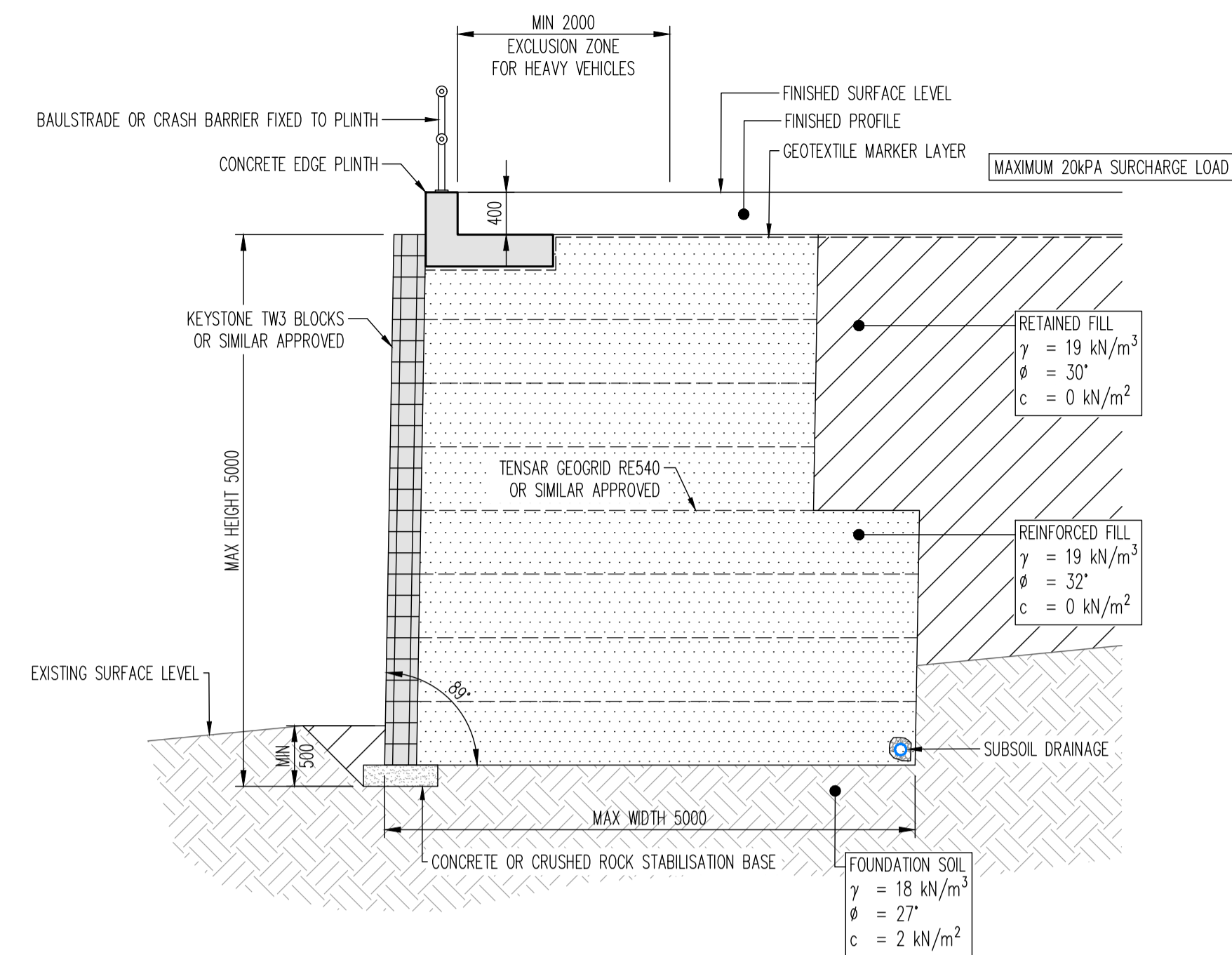
Sheet Subject
BULK EARTHWORKS PLAN

Scale: A1 1:1500 Drawn WW Authorised TM
Job No 201537 Drawing No C081 Revision P9



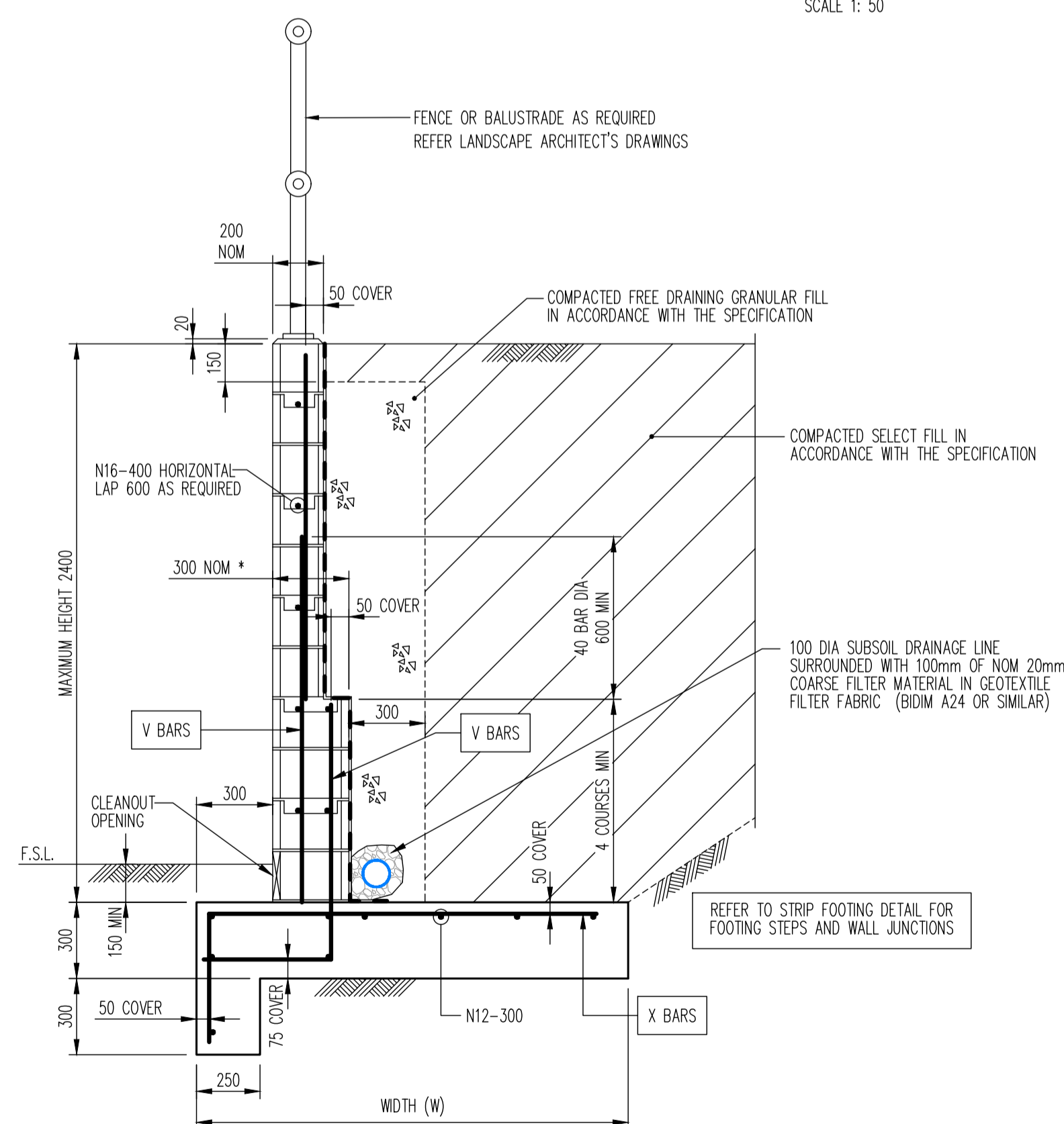
GABION REINFORCED EARTH WALL (WG1)

SCALE 1: 50



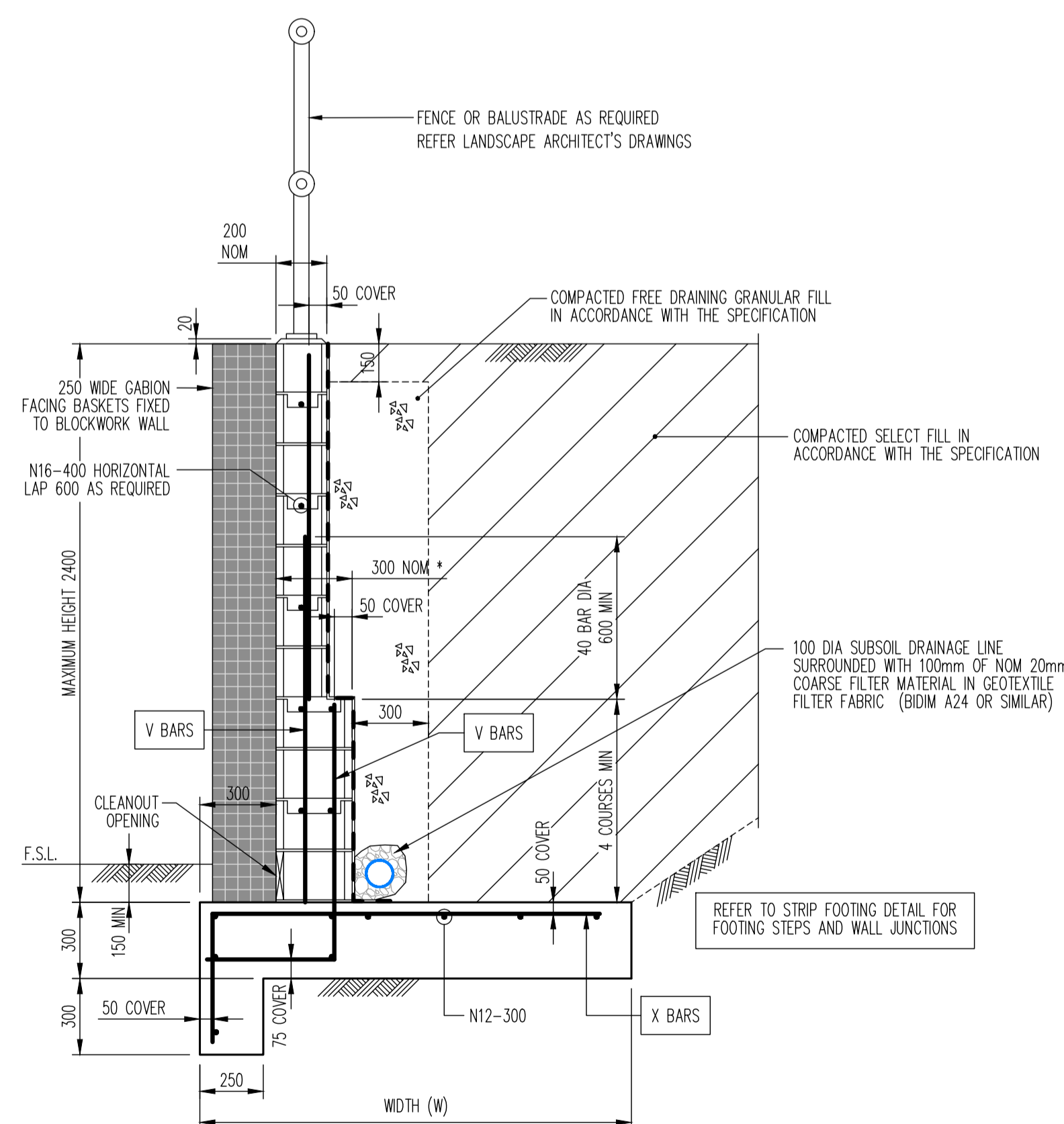
KEYSTONE REINFORCED EARTH WALL (WKS)

SCALE 1: 50



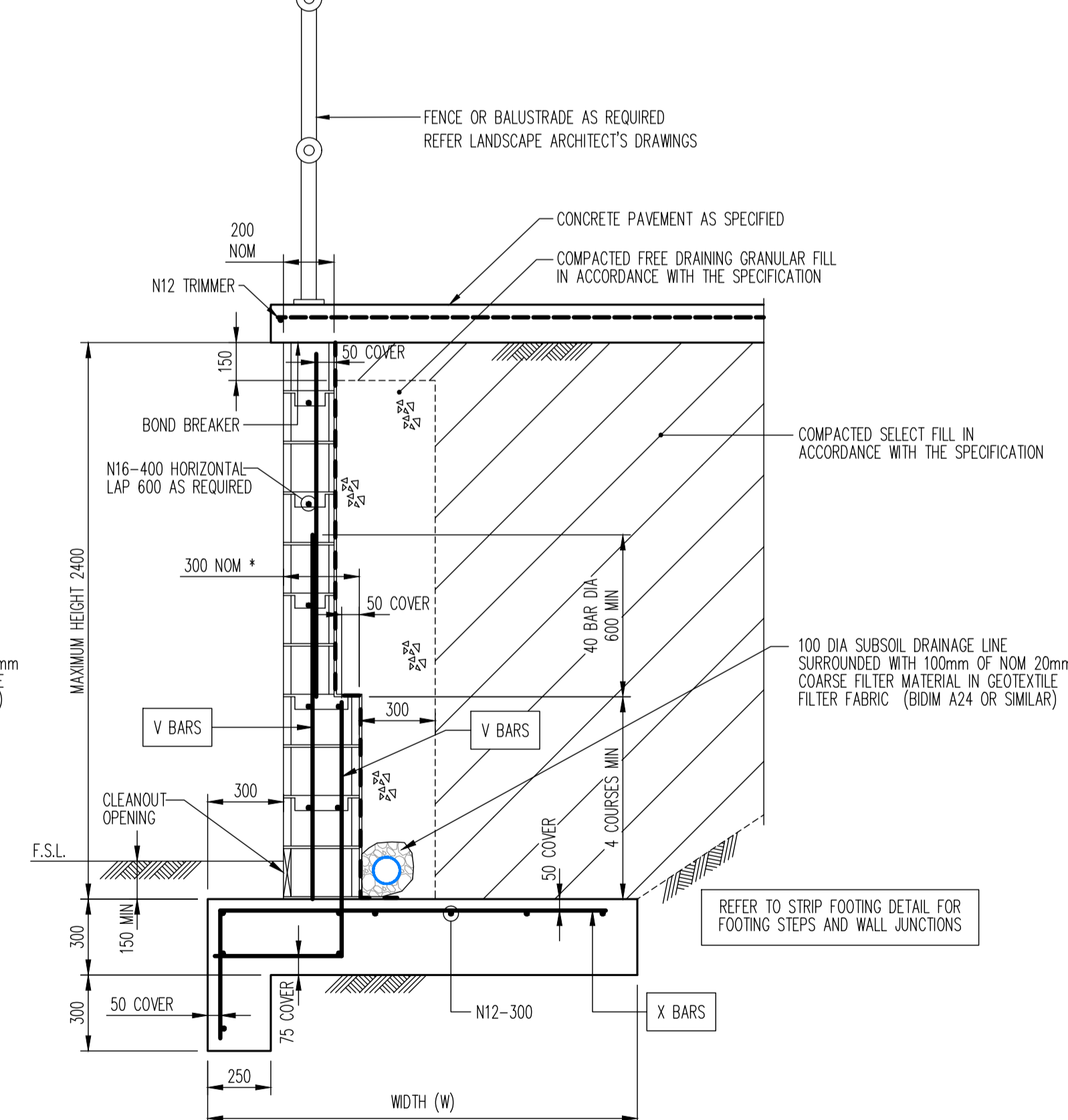
BLOCKWORK WALL (WB1)

SCALE 1: 20



BLOCKWORK WALL WITH GABION FACING (WB2)

SCALE 1: 20



BLOCKWORK WALL UNDER PAVEMENT (WB3)

SCALE 1: 20

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P3	FOR APPROVAL	DM	WW	27.06.24										
P2	FOR APPROVAL	DM	WW	08.07.22										
P1	75% CONCEPT ISSUE	DM	WW	25.06.21										

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QUARTER SESSIONS ROAD,
HORNSBY**

Sheet Subject
DETAILS SHEET 1

Scale	Drawn	Authorised
AS NOTED	JH	TM
Job No	Drawing No	Revision
201537	C091	P3