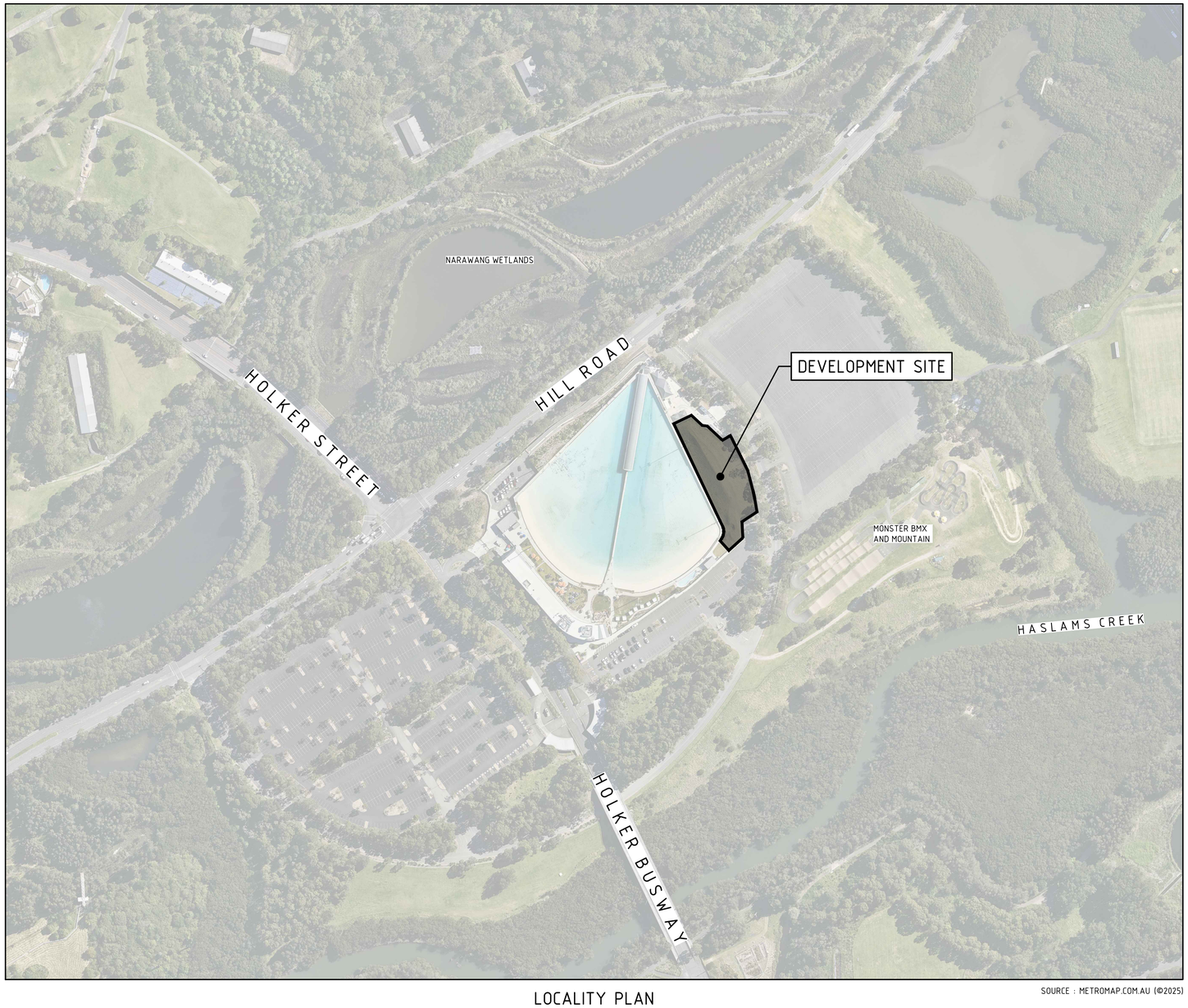
URBNSURF LANDSCAPE MOUND

CIVIL ENGINEERING PACKAGE | DEVLOPMENT APPLICATION

15 HILL ROAD,
SYDNEY OLYMPIC PARK
NSW 2127



LOCALITY PLAN

SOURCE : METROMAP.COM.AU (©2025)

DRAWING LIST	
C01.01	COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN
C01.31	SHEET LAYOUT PLAN
C02.01	SEDIMENT AND SOIL EROSION CONTROL PLAN
C02.11	SEDIMENT AND SOIL EROSION CONTROL DETAILS
C03.01	CUT TO FILL EARTHWORKS PLAN
C03.11	CUT TO FILL EARTHWORKS SECTIONS - SHEET 01
C03.12	CUT TO FILL EARTHWORKS SECTIONS - SHEET 02
C03.13	CUT TO FILL EARTHWORKS SECTIONS - SHEET 03
C03.14	CUT TO FILL EARTHWORKS SECTIONS - SHEET 04
C03.15	CUT TO FILL EARTHWORKS SECTIONS - SHEET 05
C03.16	CUT TO FILL EARTHWORKS SECTIONS - SHEET 06
C03.17	CUT TO FILL EARTHWORKS SECTIONS - SHEET 07
C03.18	CUT TO FILL EARTHWORKS SECTIONS - SHEET 08
C03.19	CUT TO FILL EARTHWORKS SECTIONS - SHEET 09
C03.20	CUT TO FILL EARTHWORKS SECTIONS - SHEET 10
C03.21	CUT TO FILL EARTHWORKS SECTIONS - SHEET 11
C03.22	CUT TO FILL EARTHWORKS SECTIONS - SHEET 12
C04.01	SITEWORKS AND STORMWATER MANAGEMENT PLAN
C05.01	RETAINING WALL ALIGNMENT CONTROL PLAN
C05.11	RETAINING WALL ELEVATIONS - SHEET 01
C05.12	RETAINING WALL ELEVATIONS - SHEET 02
C05.13	RETAINING WALL ELEVATIONS - SHEET 03
C05.14	RETAINING WALL ELEVATIONS - SHEET 04
C05.15	RETAINING WALL ELEVATIONS - SHEET 05
C05.16	RETAINING WALL ELEVATIONS - SHEET 06
C06.01	SWALE ALIGNMENT CONTROL PLAN
C06.11	SWALE LONGITUDINAL SECTIONS
C09.01	DETAILS

NOT FOR CONSTRUCTION

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VERIFIER

1:2000
0 20 40 60 80 100m

Scale at A1

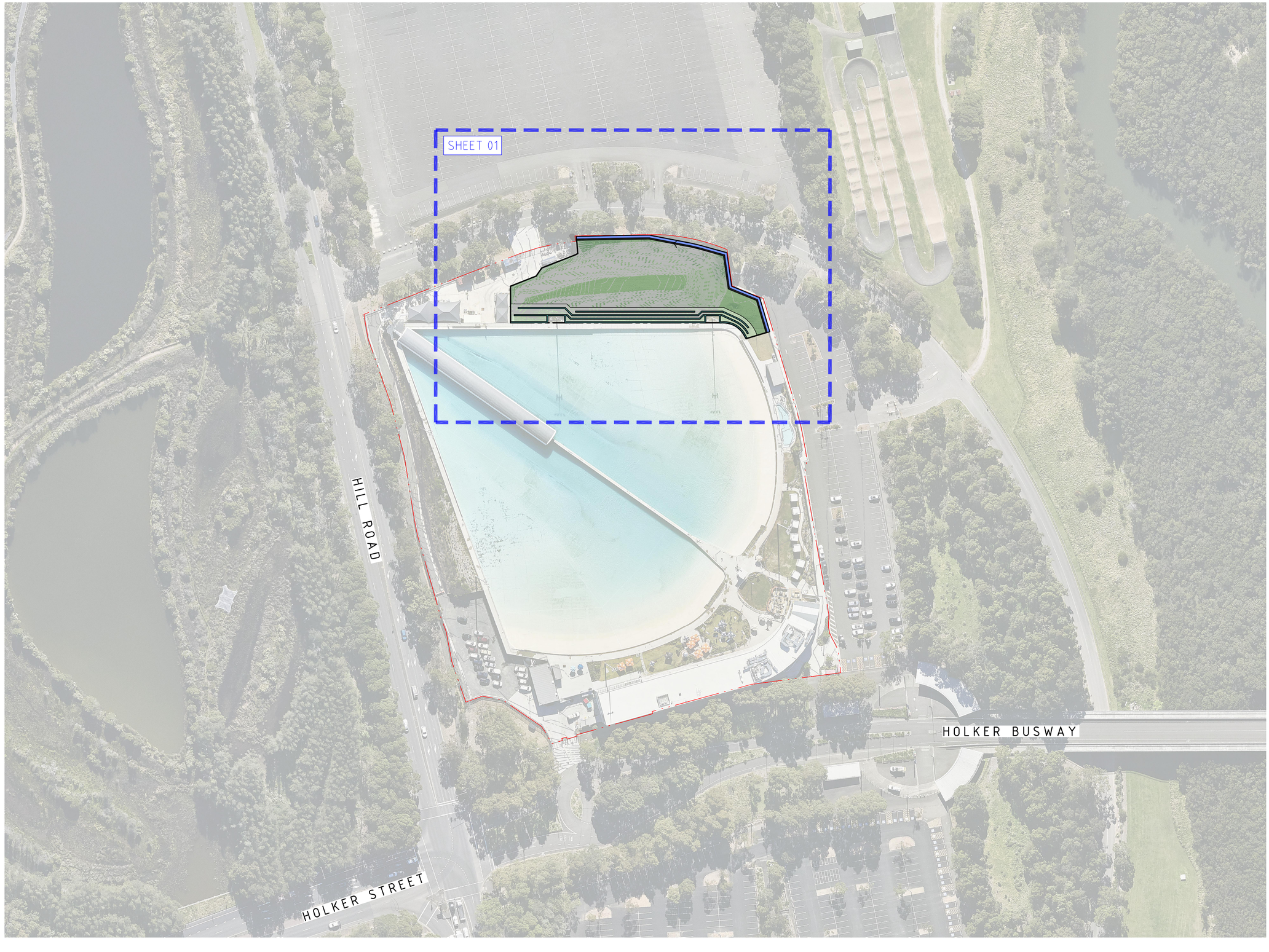
REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
URBNSURF LANDSCAPE MOUND
CIVIL ENGINEERING PACKAGE | DEVELOPMENT APPLICATION

ADDRESS
15 HILL ROAD,
SYDNEY OLYMPIC PARK
NSW 2127

DRAWING
COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN

JOB No.
SY242357
DRAWING No.
C01.01
REV.
1



LEGEND

- EXISTING BOUNDARY LINE
- EXISTING CONTOURS
- SHEET 01 — SHEET LAYOUT SCALE 1:250

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1:800
0 10 20 30 40m

Scale at A1

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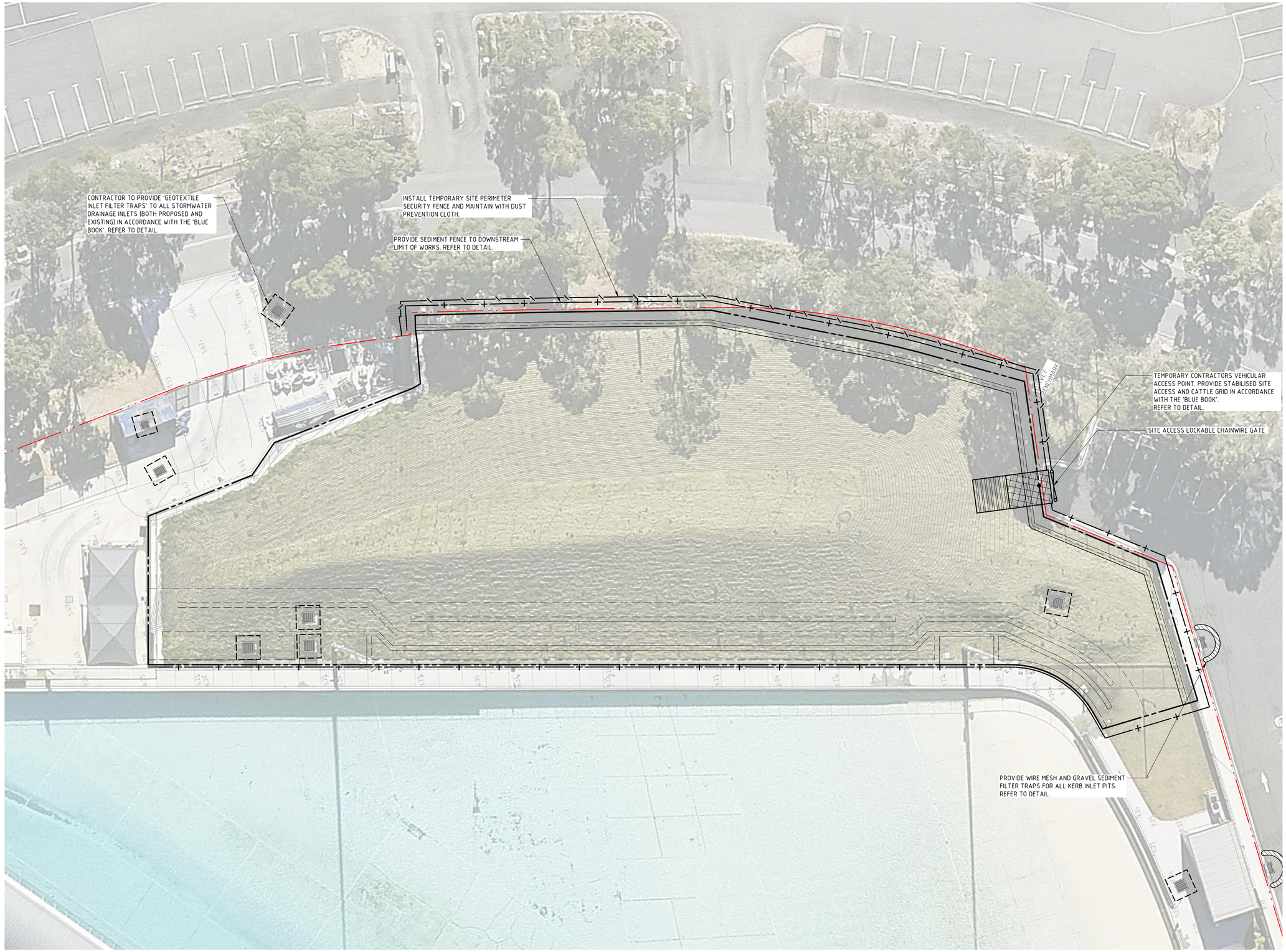
PROJECT
URBNSURF LANDSCAPE MOUND
CIVIL ENGINEERING PACKAGE | DEVELOPMENT APPLICATION

ADDRESS
15 HILL ROAD,
SYDNEY OLYMPIC PARK
NSW 2127

DRAWING
SHEET LAYOUT PLAN

JOB No.
SY242357
DRAWING No.
C01.31
REV.
1



LEGEND

- EXISTING BOUNDARY LINE
- EXISTING CONTOURS
- SEDIMENT FENCE
- SECURITY FENCE
- WIRE MESH AND GRAVEL SEDIMENT FILTER
- GEOTEXTILE INLET FILTER TRAP
- STABILISED SITE ACCESS

NOT FOR CONSTRUCTION

Drawing © Northrop Consulting Engineers Pty Ltd
Drawing to be printed in colour
Sheet size: A1
Date plotted: 1/7/2026
Drawing Location: O:\1 Current Bids Projects\242357 - Ultrasurf Landscape Mound\Civil\C Drawings\A Working\01-DA\SY242357-C02.01

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1:200
0 2 4 6 8 10m

Scale at A1

REV.	DESCRIPTION	ISSUED	DATE
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ADDRESS
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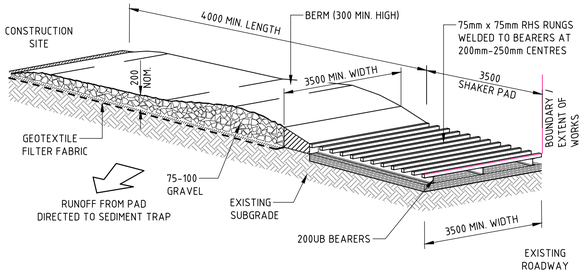
DRAWING
SEDIMENT AND SOIL EROSION CONTROL PLAN

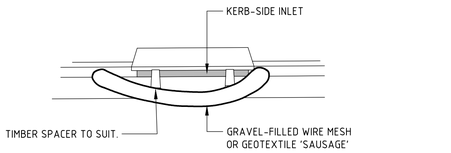
JOB No. SY242357
DRAWING No. C02.01
REV. 1



CONSTRUCTION NOTES

1. THE TEMPORARY ACCESS SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY,
   - THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT,
2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.
3. INSTALL BARRIER ON EITHER SIDE OF SHAKER PAD. TO ENSURE VEHICLES ARE GUIDED ON TO THE PAD.
4. INVERT OF SHAKER PAD TO BE DRAINED VIA AGRICULTURAL PIPE WRAPPED IN GEOTEXTILE FABRIC.

STABILISED SITE ACCESS

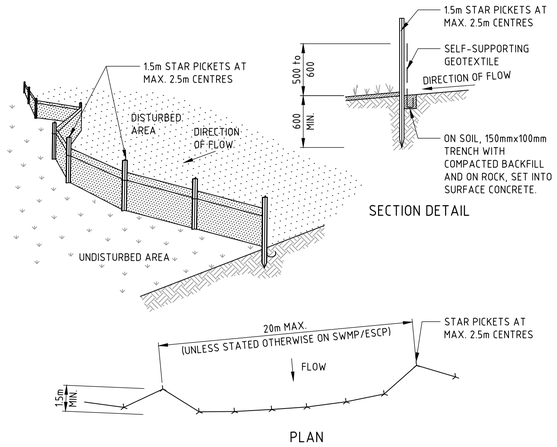


NOTE:THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN APPROVED SWMP/ESCP.

CONSTRUCTION NOTES

1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

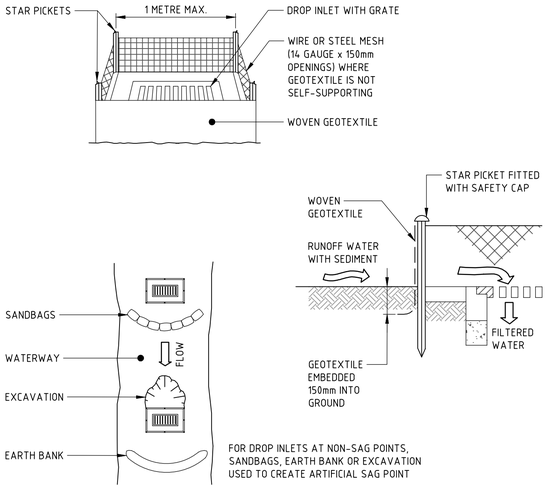
WIRE MESH AND GRAVEL SEDIMENT FILTER



CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

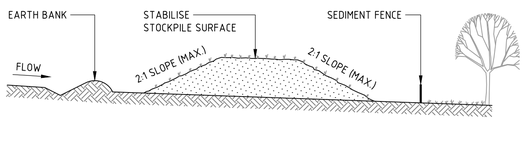
SEDIMENT FENCE



CONSTRUCTION NOTES

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER TRAPS



CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

STOCKPILE

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DESIGNED	VERIFIER
B.LAWRENCE	

1:10
0.0 0.1 0.2 0.3 0.4 0.5m
Scale at A1

REV.	DESCRIPTION	ISSUED	DATE
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URBNSURF LANDSCAPE MOUND
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ADDRESS
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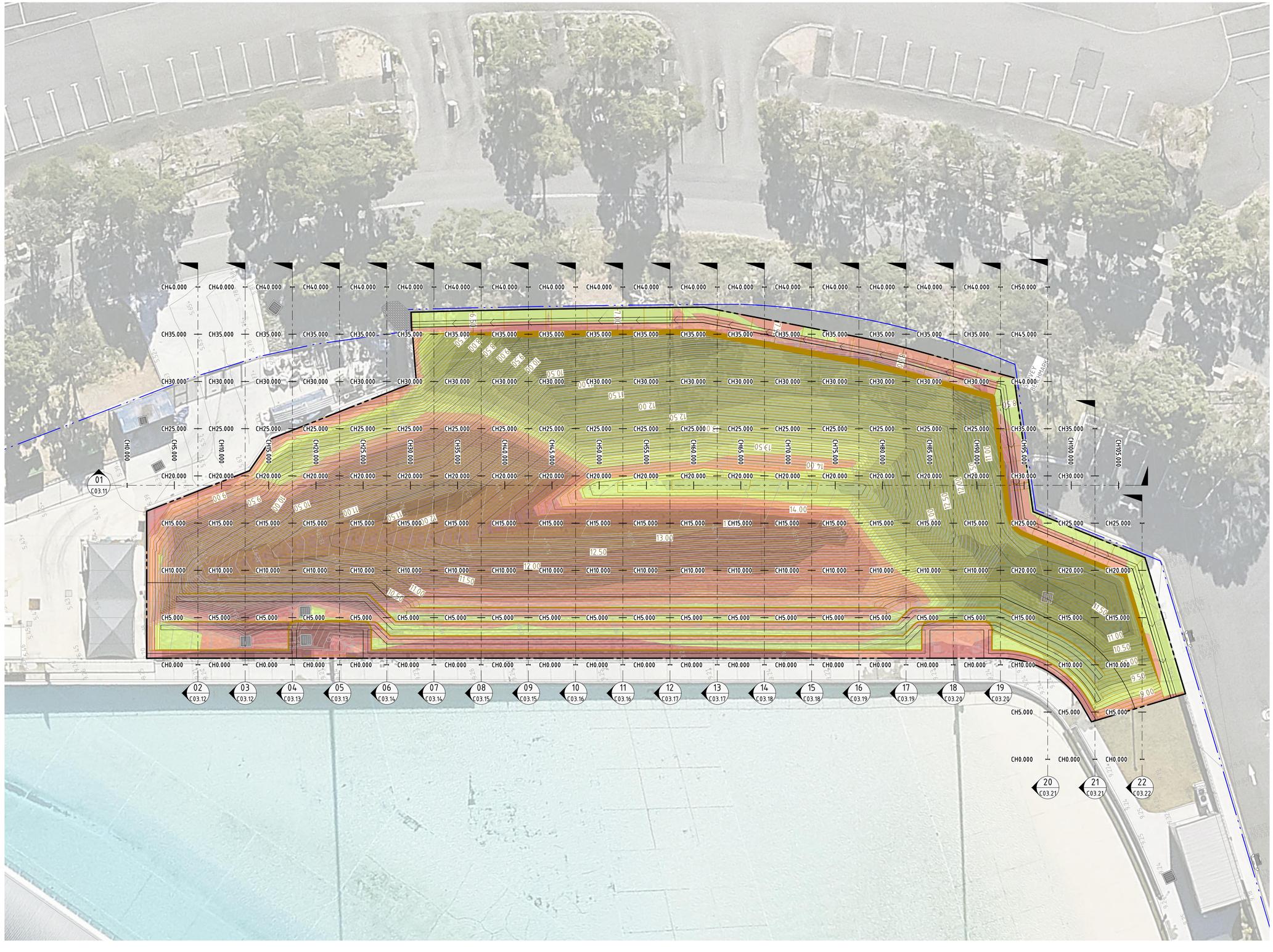
NSW 2127

DRAWING
SEDIMENT AND SOIL EROSION CONTROL DETAILS

JOB No.
SY242357
DRAWING No.
C02.11
REV.
1



LEGEND

- EXISTING BOUNDARY LINE
- PROPOSED CONTOURS

DEPTH OF CUT

- - 15.0m TO - 10.0m
- - 10.0m TO - 5.0m
- - 5.0m TO - 2.0m
- - 2.0m TO - 1.0m
- - 1.0m TO - 0.5m
- - 0.5m TO - 0.25m
- - 0.25m TO - 0.0m

DEPTH OF FILL

- 0.0m TO 0.25m
- 0.25m TO 0.5m
- 0.5m TO 1.0m
- 1.0m TO 2.0m
- 2.0m TO 5.0m
- 5.0m TO 10.0m
- 10.0m TO 15.0m

LIMIT OF WORKS — LIMIT OF WORKS

GENERAL NOTES:

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
2. CAD FILE / DTM FILES CAN BE PROVIDED IN NATIVE FORMAT UPON REQUEST.
3. STRIP EXISTING TOPSOIL IN CONSULTATION WITH THE GEOTECHNICAL ENGINEER / REPORT. FOR THE PURPOSES OF EARTHWORKS CALCULATIONS A TOPSOIL STRIPPING DEPTH OF 200mm HAS BEEN ASSUMED.
4. NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS. NOTE ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY.
5. NO ALLOWANCE HAS BEEN MADE FOR DETAILED EARTHWORKS; ie SERVICE TRENCHING, DETAILED EXCAVATION, FOOTINGS, REMOVAL OF UNSUITABLE MATERIAL, RETAINING WALLS AND THE LIKE. CONTRACTOR IS TO ALLOW FOR REMOVAL OF ALL EXCESS MATERIAL GENERATED BY THE WORKS.
6. THE CONTRACTOR SHALL USE FINAL SURFACE LEVELS AND TYPICAL PAVEMENT DETAILS FOR ACTUAL EARTHWORKS LEVELS.
7. BULK EARTHWORKS (SUBGRADE LEVEL) ARE BASED ON THE FOLLOWING DEPTHS FROM FINISHED SURFACE LEVELS;
   - 7.1. PLANTING AREA 500mm (CAPPING MATERIAL)
   - 7.2. LANDSCAPE AREA 500mm (CAPPING MATERIAL)
8. APPROXIMATE BULK EARTHWORK VALUES AS FOLLOWS;
   - 8.1. CUT 1,345 m^3 (INCLUDES BULKING FACTOR OF 1.17)
   - 8.2. FILL 1,430 m^3
   - 8.3. BALANCE 85 m^3
   - 8.4. NOTE: SITE STRIPPING VOLUMES HAVE NOT BEEN INCLUDED IN ABOVE CALCULATIONS (STRIPPED TOPSOIL MATERIAL TO BE REUSED AS PART OF PROPOSED CAPPING LAYER)

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PARTNERS URBN SURF · Clarke Hopkins Clarke

DRAWN A.FALLINS | JOB MANAGER B.LAWRENCE | DESIGNED B.LAWRENCE | VERIFIER

1:200 0 2 4 6 8 10m

Scale at A1

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ADDRESS
15 HILL ROAD,
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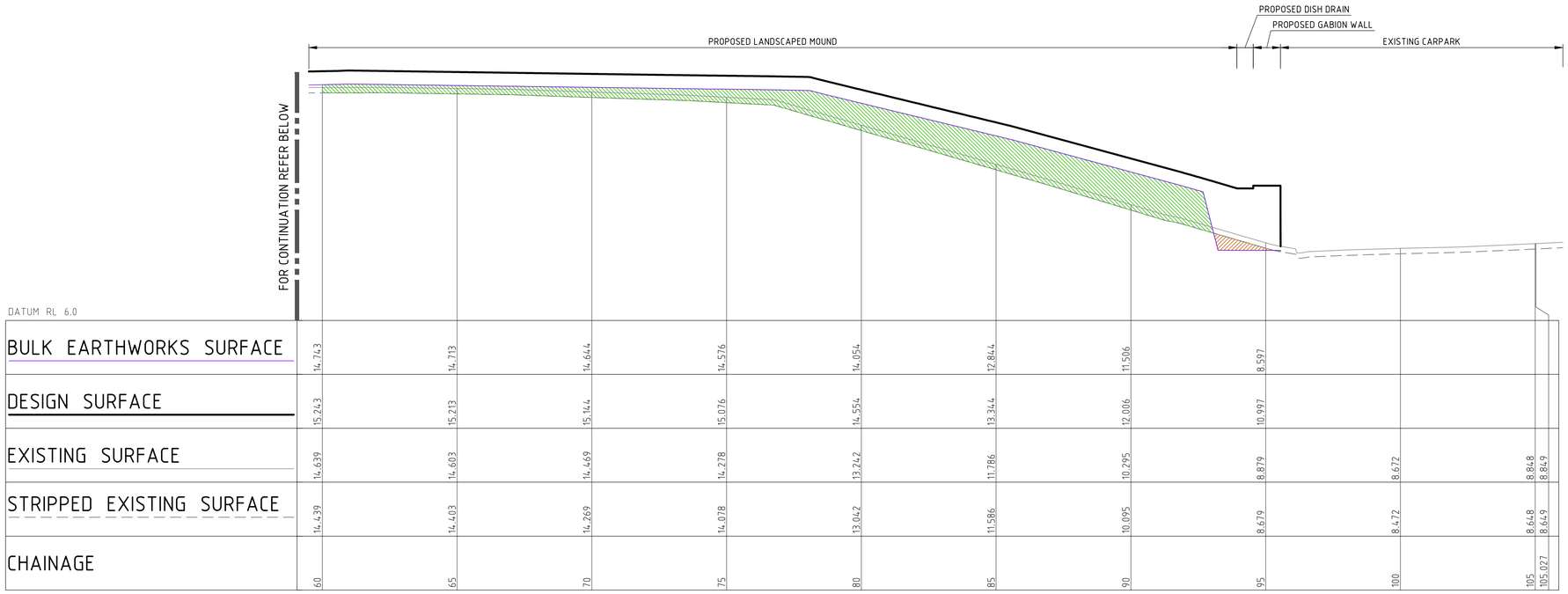
NSW 2127

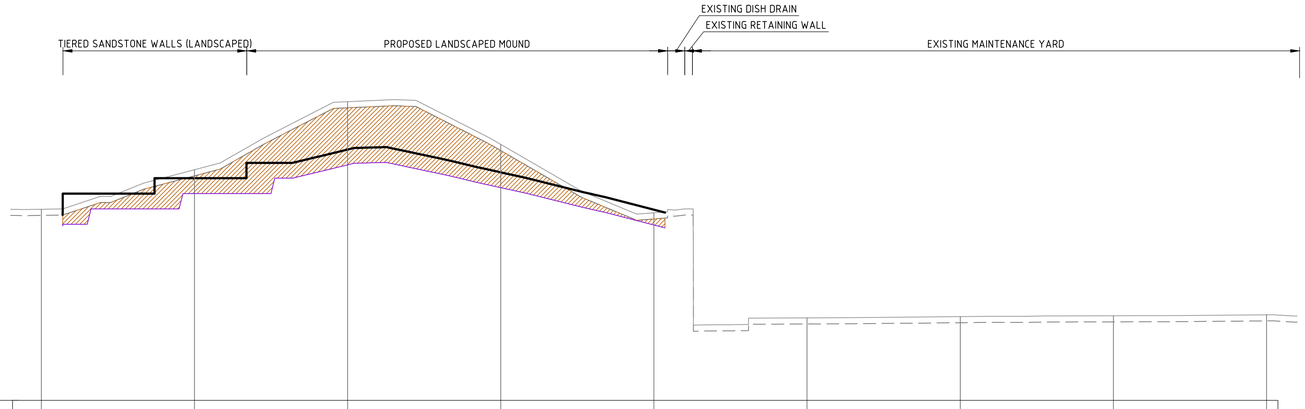
DRAWING
CUT TO FILL EARTHWORKS PLAN

JOB No. SY242357
DRAWING No. C03.01
REV. 1


PROPOSED DISH DRAIN
PROPOSED GABION WALL
PROPOSED LANDSCAPED MOUND
EXISTING CARPARK
FOR CONTINUATION REFER BELOW

DATUM RL 6.0

| | | |

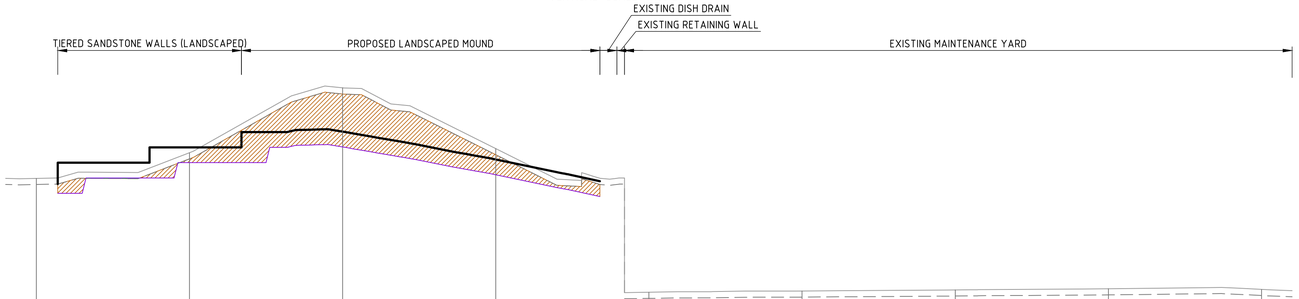


DATUM RL 3.0

BULK EARTHWORKS SURFACE		9.75	10.687	9.943	8.724				
DESIGN SURFACE		10.25	11.187	10.443	9.224				
EXISTING SURFACE	9.238	10.527	12.75	11.353	9.121	5.693	5.736	5.763	5.795
STRIPPED EXISTING SURFACE	9.038	10.327	12.55	11.153	8.921	5.493	5.536	5.563	5.595
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 03

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



DATUM RL 3.0

BULK EARTHWORKS SURFACE		9.75	10.264	9.356					
DESIGN SURFACE		10.25	10.764	9.856					
EXISTING SURFACE	9.237	10.072	12.191	10.209	5.52	5.562	5.597	5.634	5.614
STRIPPED EXISTING SURFACE	9.037	9.872	11.991	10.009	5.32	5.362	5.397	5.434	5.414
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 02

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

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DESIGNED B.LAWRENCE
VERIFIER

1:100 0 1 2 3 4 5m
0 1 2 3 4 5m 1:100
Scale at

REV.	DESCRIPTION	ISSUED	DATE
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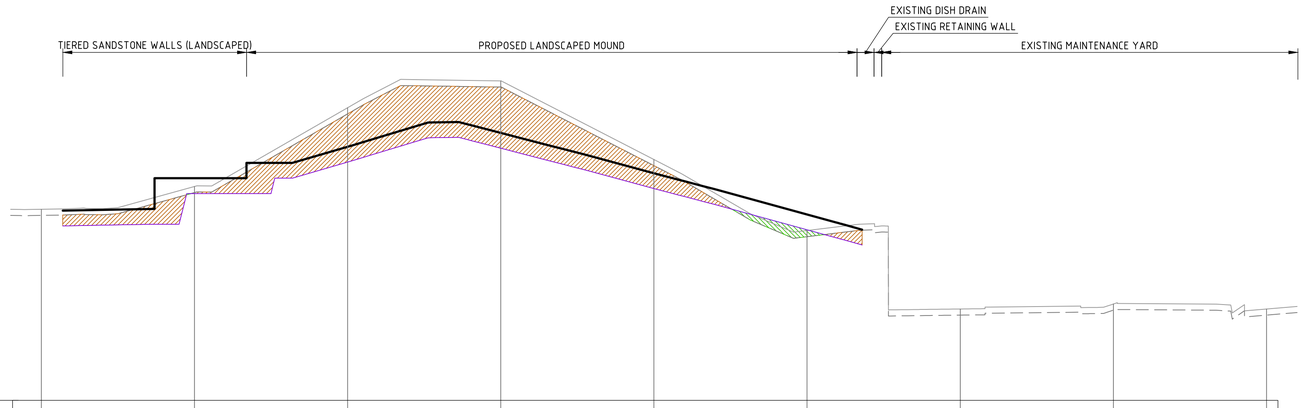
DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 02

JOB No. SY242357
DRAWING No. C03.12
REV. 1

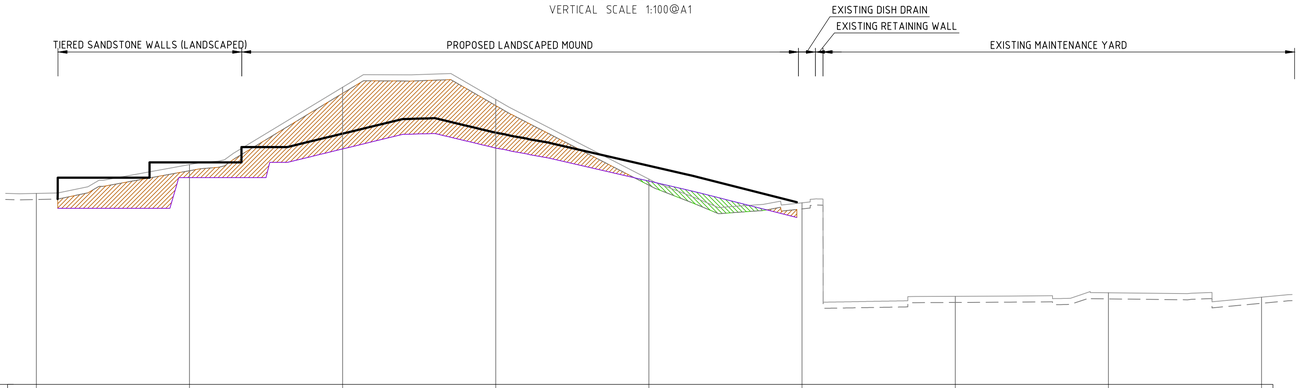


DATUM RL 3.0

BULK EARTHWORKS SURFACE		9.75	10.779	11.23	9.914	8.567			
DESIGN SURFACE		10.25	11.279	11.73	10.414	9.067			
EXISTING SURFACE	9.238	9.982	12.55	13.426	10.862	8.543	5.983	6.147	5.983
STRIPPED EXISTING SURFACE	9.038	9.782	12.35	13.226	10.662	8.343	5.783	5.947	5.783
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 05

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



DATUM RL 3.0

BULK EARTHWORKS SURFACE		9.75	10.687	10.717	9.638				
DESIGN SURFACE		10.25	11.187	11.217	10.138				
EXISTING SURFACE	9.237	10.177	12.702	12.303	9.704	8.93	5.877	5.994	5.85
STRIPPED EXISTING SURFACE	9.037	9.977	12.502	12.103	9.504	8.73	5.677	5.794	5.65
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 04

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

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JOB MANAGER B.LAWRENCE
DESIGNED B.LAWRENCE
VERIFIER

1:100 0 1 2 3 4 5m
1:100 0 1 2 3 4 5m
Scale at

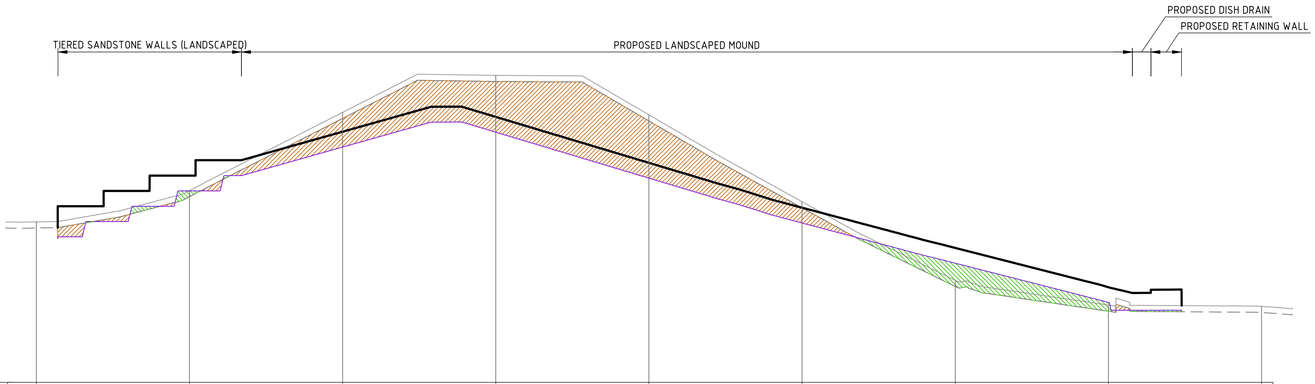
REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
URBNSURF LANDSCAPE MOUND
CIVIL ENGINEERING PACKAGE | DEVELOPMENT APPLICATION

ADDRESS
15 HILL ROAD,
SYDNEY OLYMPIC PARK
NSW 2127

DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 03

JOB No.
SY242357
DRAWING No.
C03.13
REV.
1

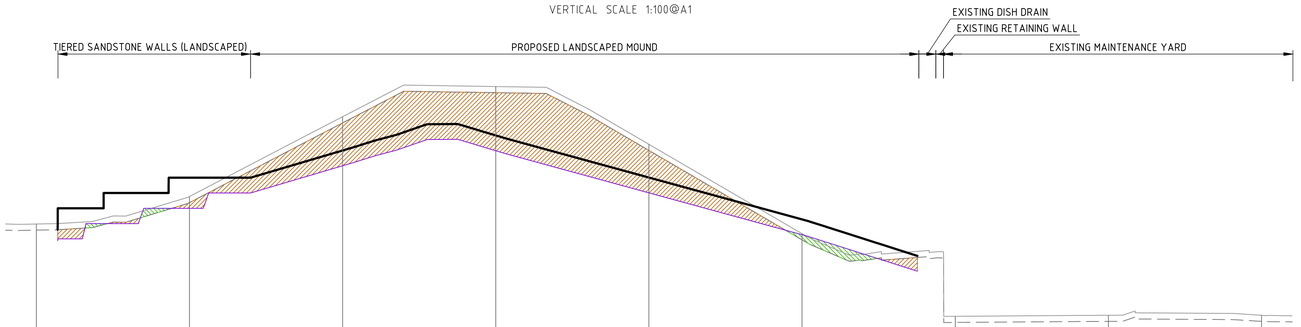


DATUM RL 4.0

BULK EARTHWORKS SURFACE		10.25	11.68	12.165	10.666	9.202	7.89	6.607	
DESIGN SURFACE		10.75	12.18	12.665	11.166	9.702	8.39	7.107	
EXISTING SURFACE	9.238	10.26	12.815	14.02	12.733	9.897	7.331	6.523	6.48
STRIPPED EXISTING SURFACE	9.038	10.06	12.615	13.82	12.533	9.697	7.131	6.323	6.28
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 07

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



DATUM RL 4.0

BULK EARTHWORKS SURFACE		9.75	11.137	11.628	10.253	8.886			
DESIGN SURFACE		10.75	11.637	12.128	10.753	9.386			
EXISTING SURFACE	9.237	10.133	12.736	13.723	11.838	8.921	6.224	6.257	6.257
STRIPPED EXISTING SURFACE	9.037	9.933	12.536	13.523	11.638	8.721	6.024	6.057	6.057
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 06

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

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Date plotted: 1/7/2026
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1:100 0 1 2 3 4 5m
Scale at 1:100 0 1 2 3 4 5m

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
URBNSURF LANDSCAPE MOUND
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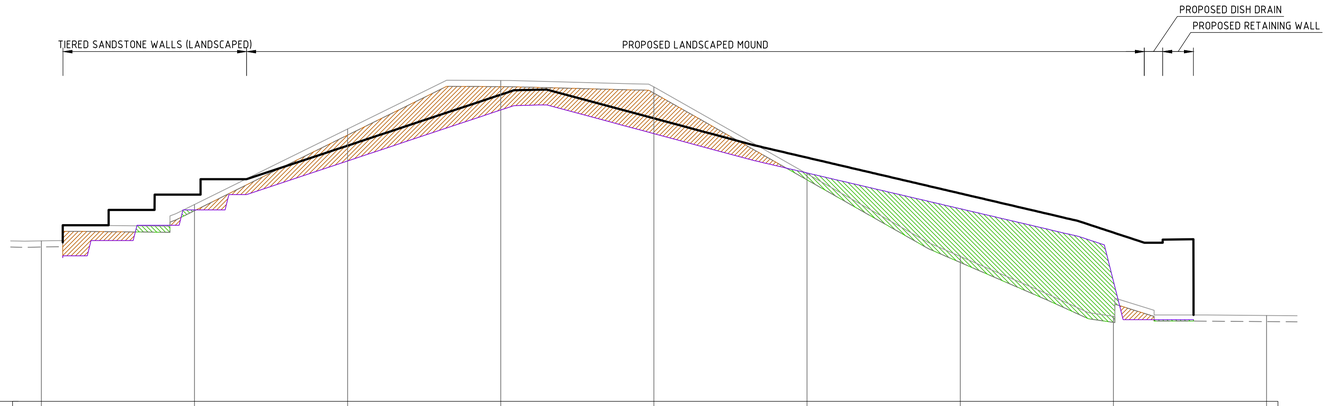
DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 04

JOB No. SY242357
DRAWING No. C03.14
REV. 1

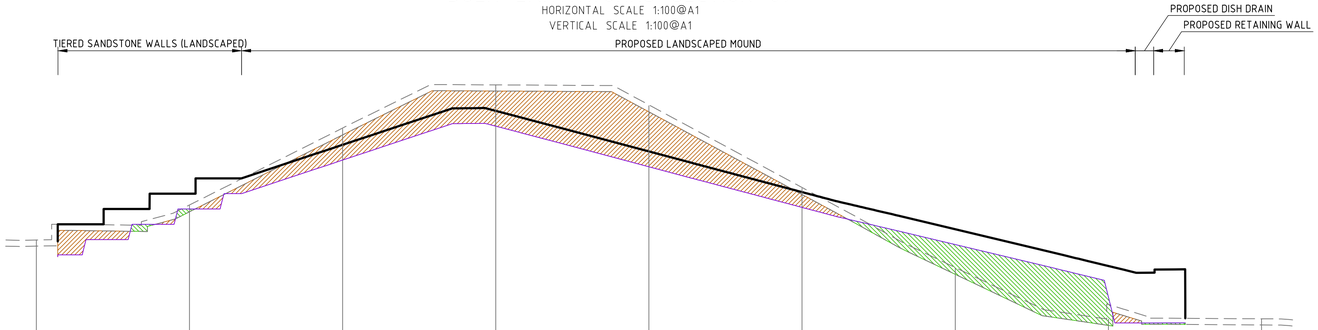


DATUM RL 4.0

BULK EARTHWORKS SURFACE		10.25	11.847	13.511	12.738	11.456	10.288	7.934	
DESIGN SURFACE		10.75	12.347	14.011	13.238	11.956	10.788	9.51	
EXISTING SURFACE	9.238	10.423	12.891	14.473	14.262	11.429	8.735	6.777	6.804
STRIPPED EXISTING SURFACE	9.038	10.223	12.691	14.273	14.062	11.229	8.535	6.577	6.604
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 09

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



DATUM RL 4.0

BULK EARTHWORKS SURFACE		10.25	11.845	12.952	11.628	10.301	9.089	7.381	
DESIGN SURFACE		10.75	12.345	13.452	12.128	10.801	9.589	8.389	
EXISTING SURFACE	9.237	10.356	12.867	14.3	13.62	10.923	8.318	6.65	6.665
STRIPPED EXISTING SURFACE	9.037	10.156	12.667	14.1	13.42	10.723	8.118	6.45	6.465
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 08

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

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JOB MANAGER B.LAWRENCE
DESIGNED B.LAWRENCE
VERIFIER

1:100 0 1 2 3 4 5m
0 1 2 3 4 5m 1:100
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
URBNSURF LANDSCAPE MOUND
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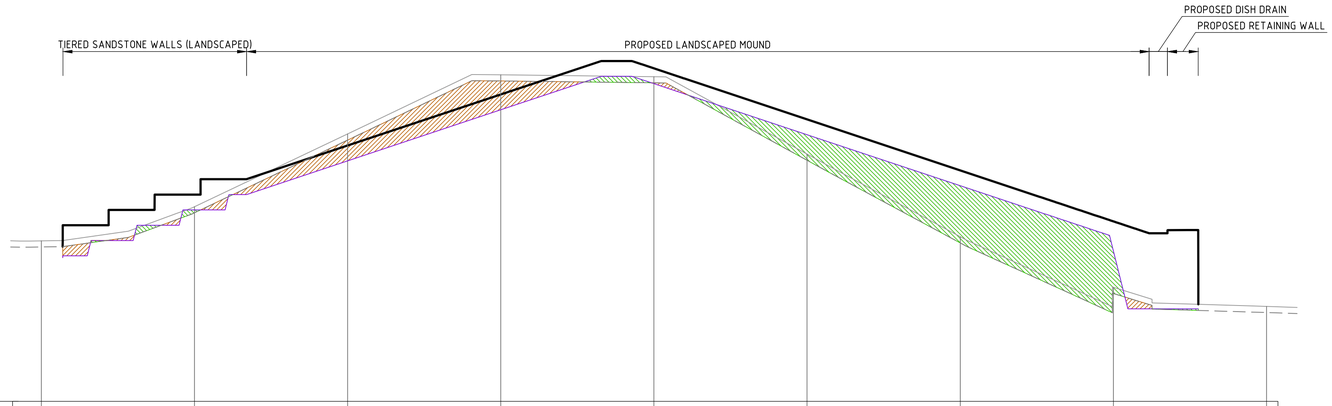
NSW 2127

DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 05

JOB No. SY242357
DRAWING No. C03.15
REV. 1

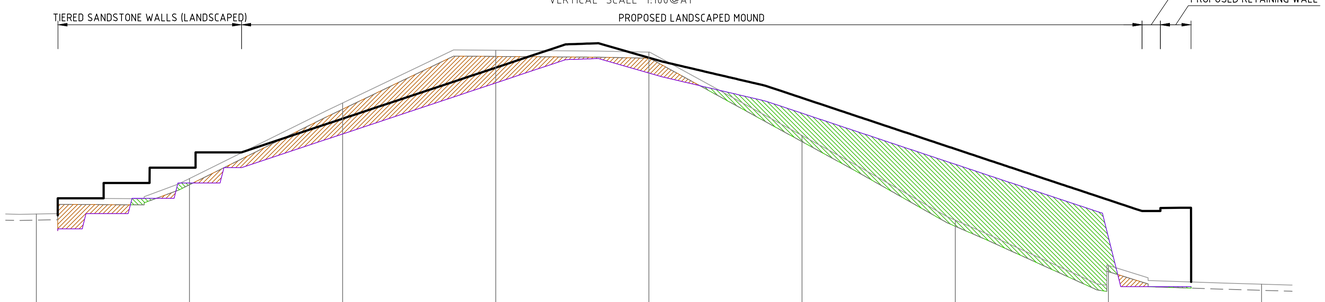


DATUM RL 4.0

BULK EARTHWORKS SURFACE		10.25	11.85	13.517	14.37	12.704	11.039	8.911
DESIGN SURFACE		10.75	12.35	14.017	14.87	13.204	11.539	9.875
EXISTING SURFACE	9.24	10.354	12.729	14.659	14.597	12.07	9.373	7.723
STRIPPED EXISTING SURFACE	9.04	10.154	12.529	14.459	14.397	11.87	9.173	7.523
CHAINAGE	0	5	10	15	20	25	30	35

BULK EARTHWORKS SECTION 11

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



DATUM RL 4.0

BULK EARTHWORKS SURFACE		10.25	11.849	13.514	13.839	12.526	10.86	8.481
DESIGN SURFACE		10.75	12.349	14.014	14.339	13.026	11.36	9.697
EXISTING SURFACE	9.237	10.392	12.858	14.58	14.523	11.799	9.037	7.558	6.946
STRIPPED EXISTING SURFACE	9.037	10.192	12.658	14.38	14.323	11.599	8.837	7.358	6.746
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 10

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

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DESIGNED B.LAWRENCE
VERIFIER

1:100 0 1 2 3 4 5m
0 1 2 3 4 5m 1:100
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
URBNSURF LANDSCAPE MOUND
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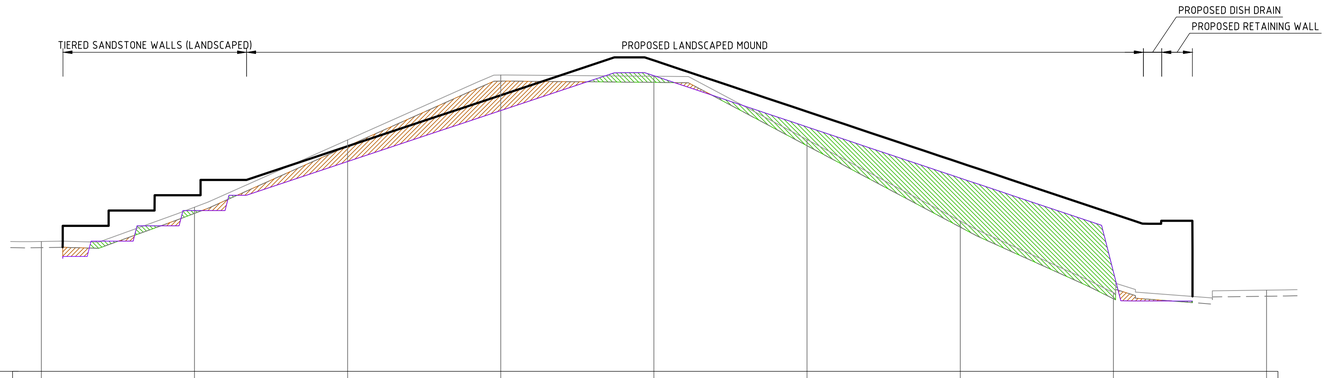
NSW 2127

DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 06

JOB No. SY242357
DRAWING No. C03.16
REV. 1

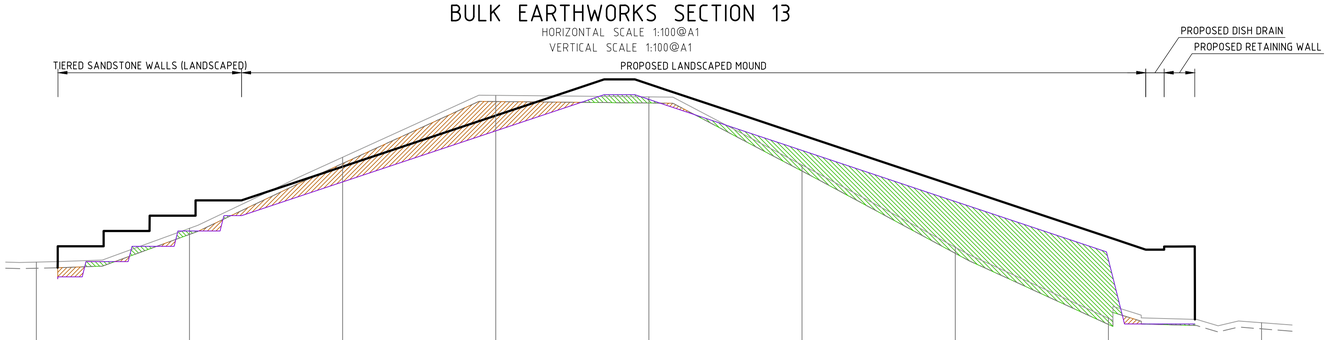


DATUM RL 5.0

BULK EARTHWORKS SURFACE		10.25	11.848	13.512	14.649	12.979	11.309	8.256
DESIGN SURFACE		10.75	12.348	14.012	15.149	13.479	11.809	10.138
EXISTING SURFACE	9.24	10.356	12.553	14.672	14.632	12.564	9.909	7.57	7.652
STRIPPED EXISTING SURFACE	9.04	10.156	12.353	14.472	14.432	12.364	9.709	7.37	7.452
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 13

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



DATUM RL 4.0

BULK EARTHWORKS SURFACE		10.25	11.85	13.517	14.544	12.879	11.213	9.318
DESIGN SURFACE		10.75	12.35	14.017	15.044	13.379	11.713	10.048
EXISTING SURFACE	9.235	10.337	12.654	14.675	14.627	12.405	9.723	7.4	7.256
STRIPPED EXISTING SURFACE	9.035	10.137	12.454	14.475	14.427	12.205	9.523	7.2	7.056
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 12

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

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1: 100
0 1 2 3 4 5m
0 1 2 3 4 5m
1: 100
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
URBNSURF LANDSCAPE MOUND
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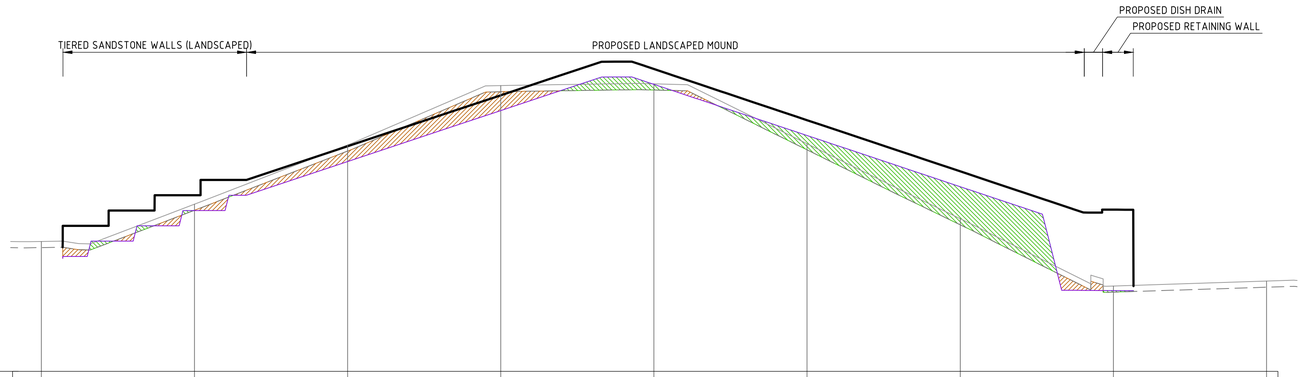
DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 07

JOB No.
SY242357
DRAWING No.
C03.17
REV.
1

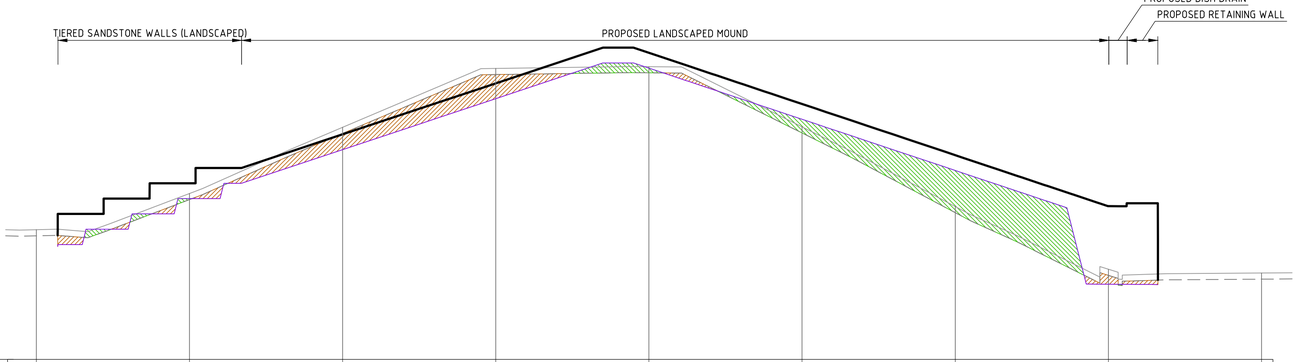


DATUM RL 5.0

BULK EARTHWORKS SURFACE		10.25	11.848	13.512	14.369	12.699	11.028	7.636
DESIGN SURFACE		10.75	12.348	14.012	14.869	13.199	11.528	10.279
EXISTING SURFACE	9.24	10.457	12.39	14.328	14.384	12.431	9.986	7.786	7.947
STRIPPED EXISTING SURFACE	9.04	10.257	12.19	14.128	14.184	12.231	9.786	7.586	7.747
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 15

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



DATUM RL 5.0

BULK EARTHWORKS SURFACE		10.25	11.848	13.512	14.509	12.839	11.168	7.456
DESIGN SURFACE		10.75	12.348	14.012	15.009	13.339	11.668	10.003
EXISTING SURFACE	9.235	10.418	12.577	14.499	14.556	12.592	9.992	7.945	7.821
STRIPPED EXISTING SURFACE	9.035	10.218	12.377	14.299	14.356	12.392	9.792	7.745	7.621
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 14

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

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DESIGNED B.LAWRENCE
VERIFIER
Scale at 1:100 0 1 2 3 4 5m
1:100 0 1 2 3 4 5m

REV.	DESCRIPTION	ISSUED	DATE
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PROJECT
URBNSURF LANDSCAPE MOUND
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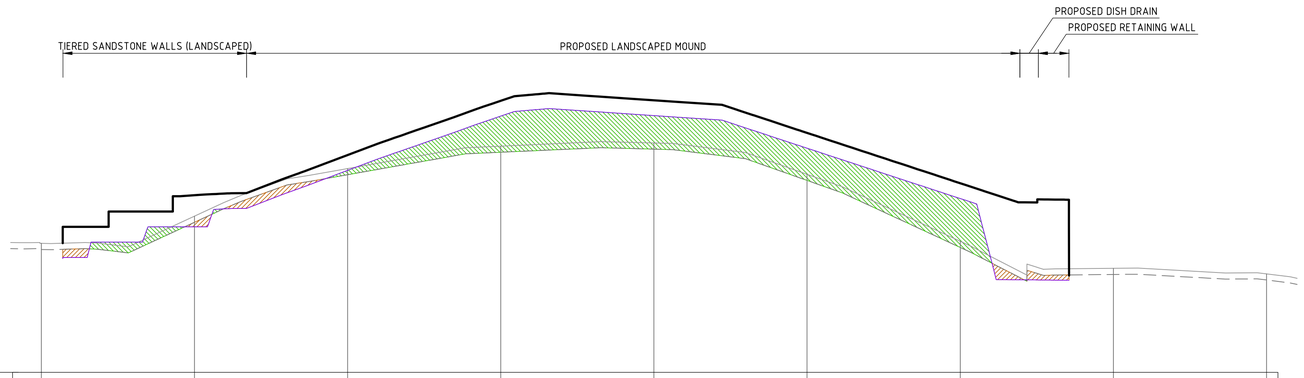
DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 08

JOB No. SY242357
DRAWING No. C03.18
REV. 1

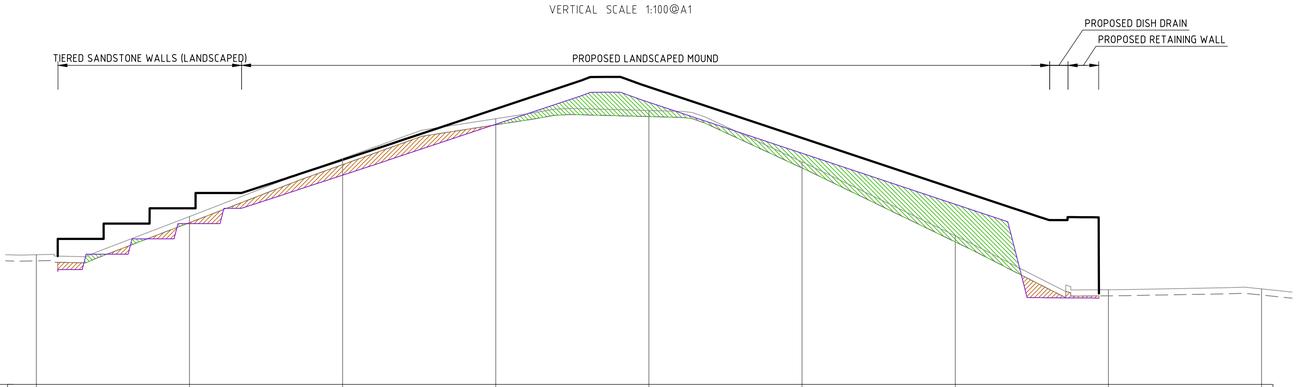


DATUM RL 5.0

BULK EARTHWORKS SURFACE		9.75	11.594	13.364	13.382	12.317	10.674		
DESIGN SURFACE		10.783	12.094	13.864	13.882	12.817	11.174		
EXISTING SURFACE	9.211	10.099	11.652	12.385	12.487	11.465	9.279	8.395	8.215
STRIPPED EXISTING SURFACE	9.011	9.899	11.452	12.185	12.287	11.265	9.079	8.195	8.015
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 17

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



DATUM RL 5.0

BULK EARTHWORKS SURFACE		10.25	11.832	13.493	14.209	12.545	10.881		
DESIGN SURFACE		10.75	12.332	13.993	14.709	13.045	11.381		
EXISTING SURFACE	9.235	10.48	12.374	13.674	13.943	12.266	9.854	8.094	8.12
STRIPPED EXISTING SURFACE	9.035	10.28	12.174	13.474	13.743	12.066	9.654	7.894	7.92
CHAINAGE	0	5	10	15	20	25	30	35	40

BULK EARTHWORKS SECTION 16

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

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DRAWN A.FALLINS
JOB MANAGER B.LAWRENCE
DESIGNED B.LAWRENCE
VERIFIER
Scale at 1:100 0 1 2 3 4 5m

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
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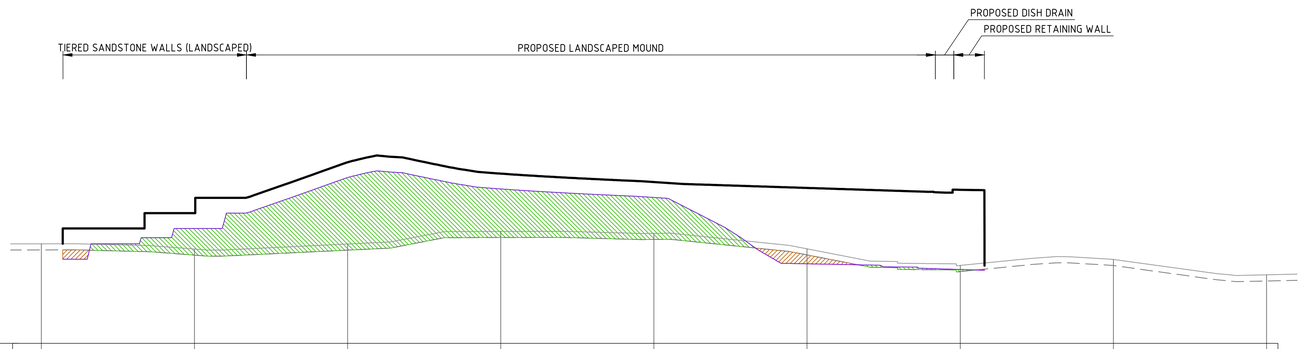
DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 09

JOB No. SY242357
DRAWING No. C03.19
REV. 1

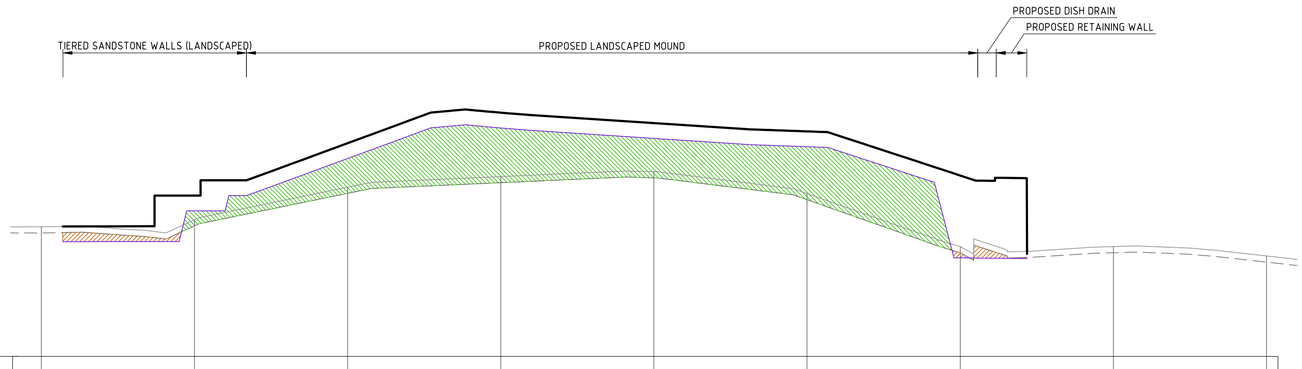


DATUM RL 6.0

CHAINAGE	0	5	10	15	20	25	30	35	40
BULK EARTHWORKS SURFACE		9.75	11.413	11.04	10.765	8.596	8.412		
DESIGN SURFACE		10.25	11.913	11.54	11.265	11.074	11.014		
EXISTING SURFACE	9.25	9.08	9.243	9.655	9.591	9.087	8.544	8.741	8.237
STRIPPED EXISTING SURFACE	9.05	8.88	9.043	9.455	9.391	8.887	8.344	8.541	8.037

BULK EARTHWORKS SECTION 19

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



DATUM RL 5.0

CHAINAGE	0	5	10	15	20	25	30	35	40
BULK EARTHWORKS SURFACE		9.75	11.46	12.458	12.117	11.847	8.218		
DESIGN SURFACE		10.25	11.96	12.958	12.617	12.347	10.906		
EXISTING SURFACE	9.233	9.463	10.525	10.872	11.031	10.317	8.586	8.585	8.28
STRIPPED EXISTING SURFACE	9.033	9.263	10.325	10.672	10.831	10.117	8.386	8.385	8.08

BULK EARTHWORKS SECTION 18

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

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Sheet size: A1
Date plotted: 1/7/2026
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URBN SURF

Clarke Hopkins Clarke

DRAWN A.FALLINS
JOB MANAGER B.LAWRENCE
DESIGNED B.LAWRENCE
VERIFIER

1:100 0 1 2 3 4 5m
0 1 2 3 4 5m 1:100
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
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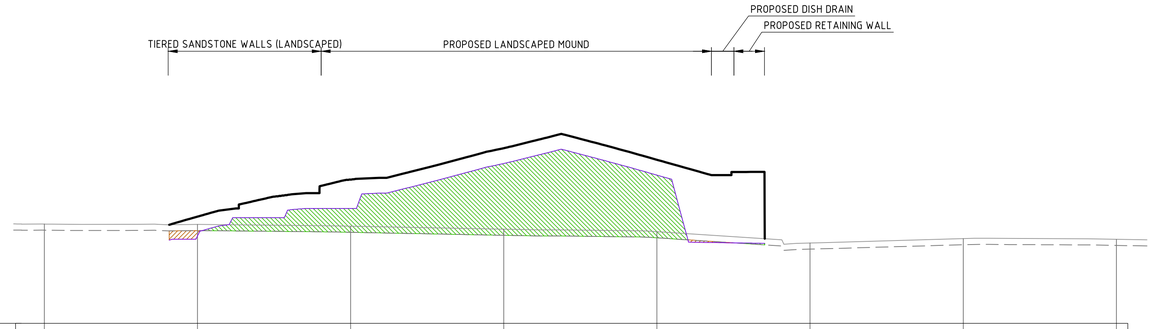
DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 10

JOB No. SY242357
DRAWING No. C03.20
REV. 1



DATUM RL 6.0

CHAINAGE	0	5	10	15	20	25	30	35
BULK EARTHWORKS SURFACE		8.851	9.75	11.219	10.84			
DESIGN SURFACE		9.484	10.692	11.719	11.34			
EXISTING SURFACE	9.242	9.229	9.172	9.074	8.992	8.624	8.766	8.744
STRIPPED EXISTING SURFACE	9.042	9.029	8.972	8.874	8.792	8.424	8.566	8.544

BULK EARTHWORKS SECTION 21

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

DATUM RL 6.0

CHAINAGE	0	5	10	15	20	25	30	35	40	45	50
BULK EARTHWORKS SURFACE			8.75	10.44	11.288	8.558					
DESIGN SURFACE			9.75	10.94	11.788	10.97					
EXISTING SURFACE	8.497	8.622	9.195	9.121	8.971	8.734	8.602	8.791	8.794	8.777	8.461
STRIPPED EXISTING SURFACE	8.297	8.422	8.995	8.921	8.771	8.534	8.402	8.591	8.594	8.577	8.261

BULK EARTHWORKS SECTION 20

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

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Drawing to be printed in colour
Sheet size: A1
Date plotted: 1/7/2026
Drawing Location: C:\1 Current Bids Projects\242357 - Urbnsurf Landscape Mound\Civil\C Drawings\A Working\01-DA\SY242357-C03.11

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URBN SURF

Clarke Hopkins Clarke

DRAWN A.FALLINS
JOB MANAGER B.LAWRENCE
DESIGNED B.LAWRENCE
VERIFIER

1:100 0 1 2 3 4 5m
1:100 0 1 2 3 4 5m
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
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DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 11

JOB No.
SY242357
DRAWING No.
C03.21
REV.
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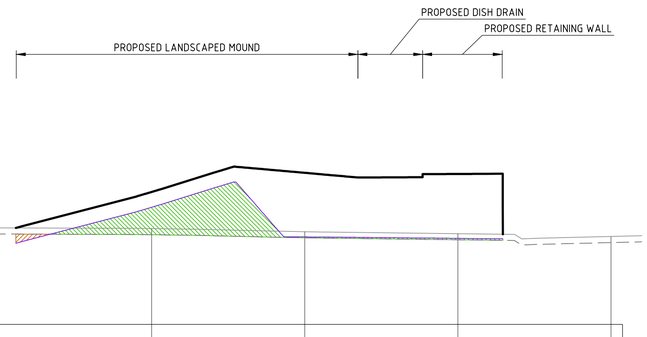

DATUM RL 6.0

BULK EARTHWORKS SURFACE			9.825	8.858	8.812	
DESIGN SURFACE			10.325	10.95	10.912	
EXISTING SURFACE	9.177	9.152	9.129	9.029	8.964	8.873
STRIPPED EXISTING SURFACE	8.977	8.952	8.929	8.829	8.764	8.673
CHAINAGE	0	5	10	15	20	25

BULK EARTHWORKS SECTION 22

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

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JOB MANAGER B.LAWRENCE
DESIGNED B.LAWRENCE
VERIFIER

1:100
0 1 2 3 4 5m
0 1 2 3 4 5m
1:100
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
URBNSURF LANDSCAPE MOUND
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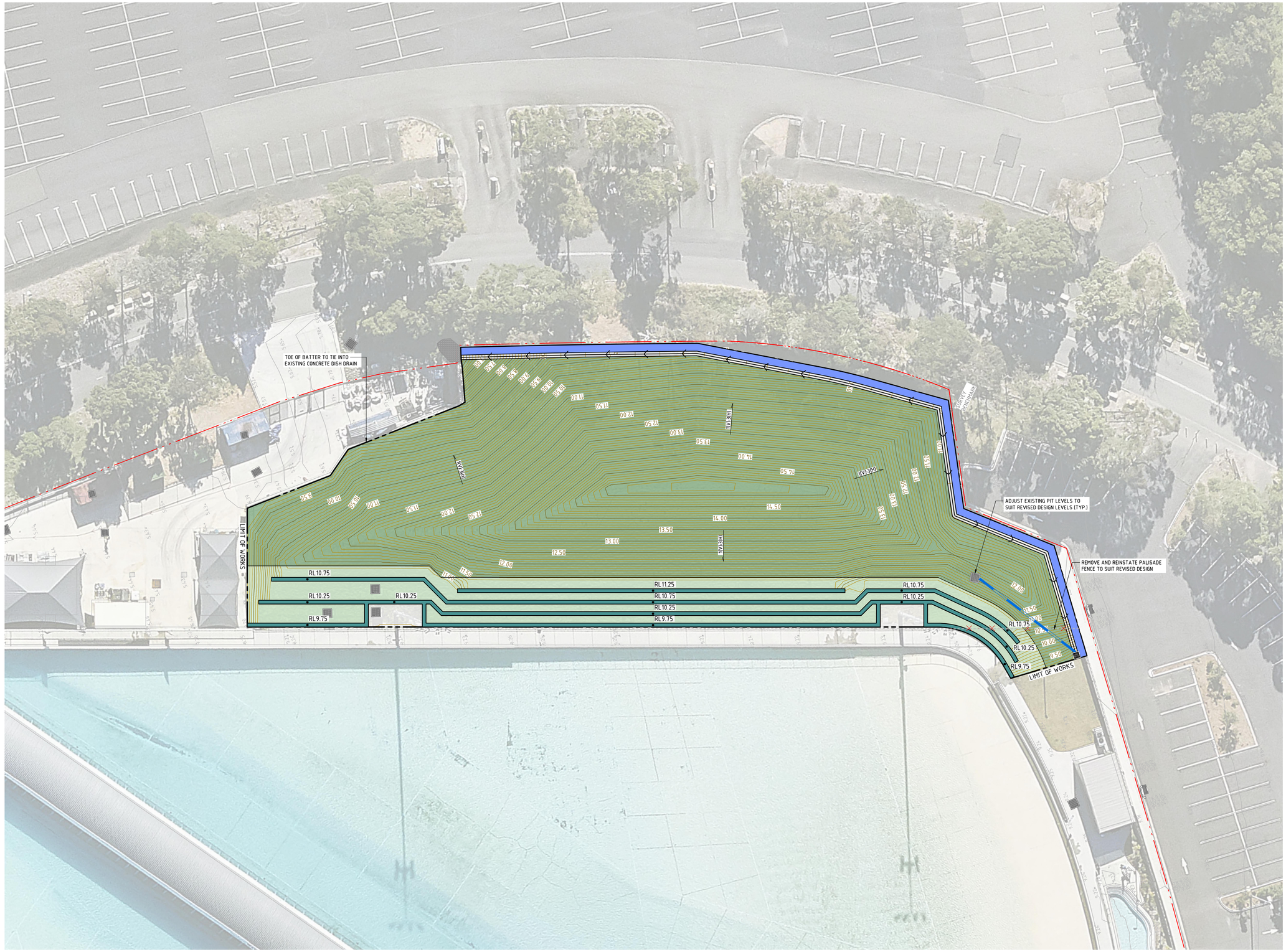
DRAWING
CUT TO FILL EARTHWORKS SECTIONS - SHEET 12

JOB No. SY242357
DRAWING No. C03.22
REV. 1



LEGEND

- EXISTING BOUNDARY LINE
- CONTOURS
- EXISTING CONTOURS
- • RL.XX.XX — PROPOSED SPOT HEIGHT
- DRAINAGE SWALE
- EXISTING DRAINAGE STRUCTURE
- NEW DRAINAGE STRUCTURE
- STORMWATER PIPE
- LOW HEIGHT SANDSTONE BLOCK RETAINING WALL - REFER DETAILS FOR FURTHER INFORMATION
- GABION WALL - REFER DETAILS FOR FURTHER INFORMATION
- LIMIT OF WORKS — LIMIT OF WORKS
- LANDSCAPING
- PLANTING - REFER TO LANDSCAPE ARCHITECT FOR FURTHER INFORMATION
- RIP RAP ENERGY DISSIPATER

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Date plotted: 1/7/2026
Drawing Location: O:\1 Current Bids Projects\SY242357 - Urbnsurf Landscape Mound\Civil\C Drawings\A Working\01-DA\SY242357-C04.01

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DESIGNED	VERIFIER
B.LAWRENCE	

1:200
0 2 4 6 8 10m

Scale at A1

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

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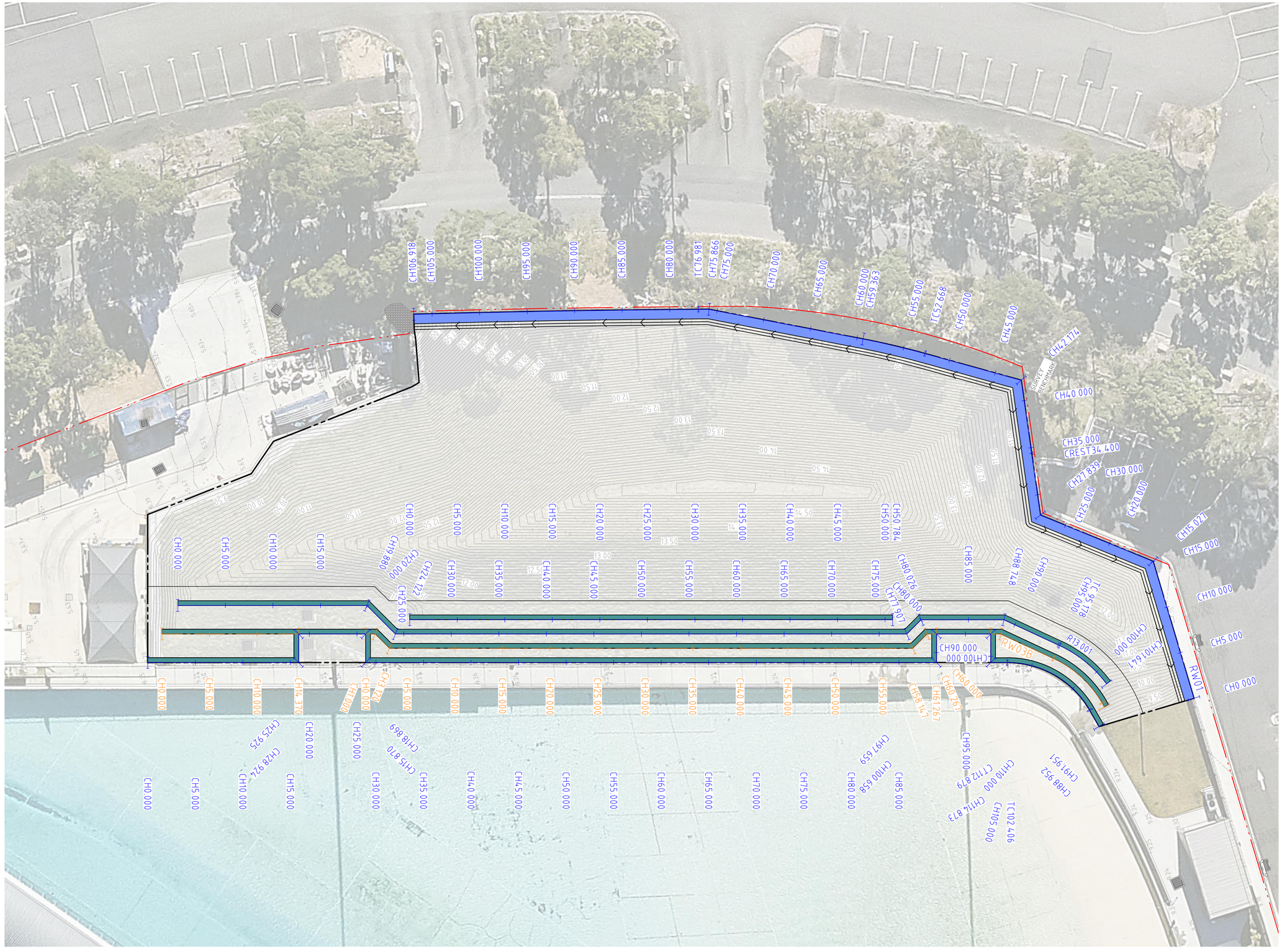
DRAWING
SITEWORKS AND STORMWATER MANAGEMENT PLAN

JOB No.
SY242357

DRAWING No.
C04.01

REV.
1



LEGEND

- EXISTING BOUNDARY LINE
- RW01 — CONTROL LINE
- RW01 — CONTROL LINE
- CH0.000 — CHAINAGE
- TC0.000 — TANGENT POINT
- LIMIT OF WORKS — LIMIT OF WORKS

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DESIGNED	VERIFIER
B.LAWRENCE	

1:200 0 2 4 6 8 10m

Scale at A1

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
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DRAWING
RETAINING WALL ALIGNMENT CONTROL PLAN

JOB No.
SY242357

DRAWING No.
C05.01

REV.
1

Drawing Location: O:\1 Current Bids Projects\242357 - Ultrasurf Landscape Mound\Civil\C Drawings\A Working\01-DA\SY242357-C05.11
Date plotted: 1/7/2026
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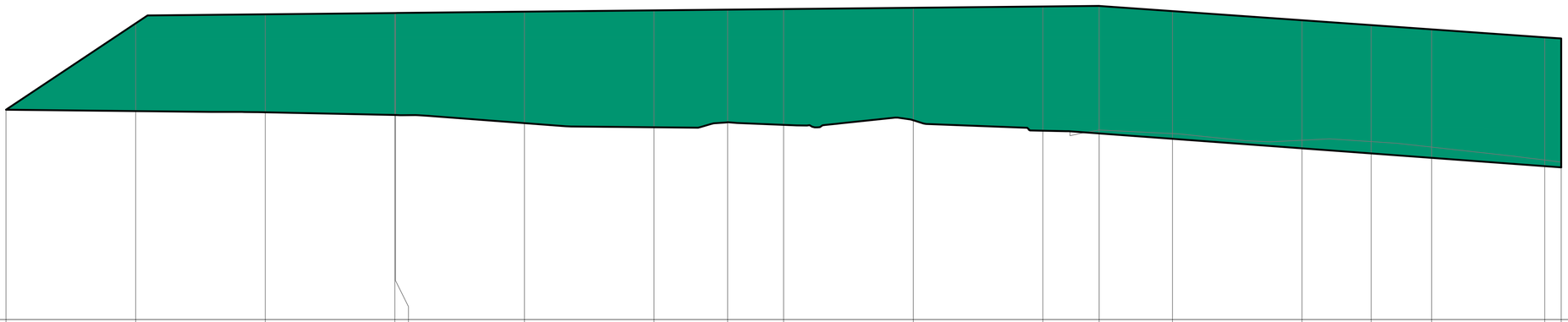
Drawing to be printed in colour
Drawing © Northrop Consulting Engineers Pty Ltd

LEGEND

AREA OF RETAINED FILL



FOR CONTINUATION REFER TO NEXT SHEET

DATUM RL5																							
EXISTING SURFACE	9.051	9.024	9.001	8.95	8.95	8.792	8.712	8.81	8.757	8.847	8.645	8.659	8.589	8.46	8.435	8.329	8.079	8.039					
HEIGHT (FSL-FSL)	0.00	1.69	1.89	1.97	1.97	2.15	2.26	2.17	2.24	2.17	2.40	2.46	2.47	2.47	2.48	2.48	2.49	2.49					
RETAINING WALL TOP FSL	9.05	10.72	10.89	10.92	10.92	10.94	10.97	10.98	10.99	11.02	11.04	11.05	10.95	10.78	10.68	10.60	10.45	10.43					
RETAINING WALL BOTTOM FSL	9.05	9.02	9.00	8.95	8.95	8.79	8.71	8.81	8.76	8.85	8.64	8.59	8.49	8.30	8.21	8.12	7.96	7.94					
CHAINAGE	0.00	5.00	10.00	15.00	15.03	20.00	25.00	27.84	30.00	35.00	40.00	42.17	45.00	50.00	52.67	55.00	59.36	60.00					

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW01 RETAINING WALL
GABION WALL
REFER TO DETAILS FOR FURTHER INFORMATION

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JOB MANAGER B.LAWRENCE
VERIFIER

1:100 0 1 2 3 4 5m
1:50 0.0 0.5 1.0 1.5 2.0 2.5m
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
URBNSURF LANDSCAPE MOUND
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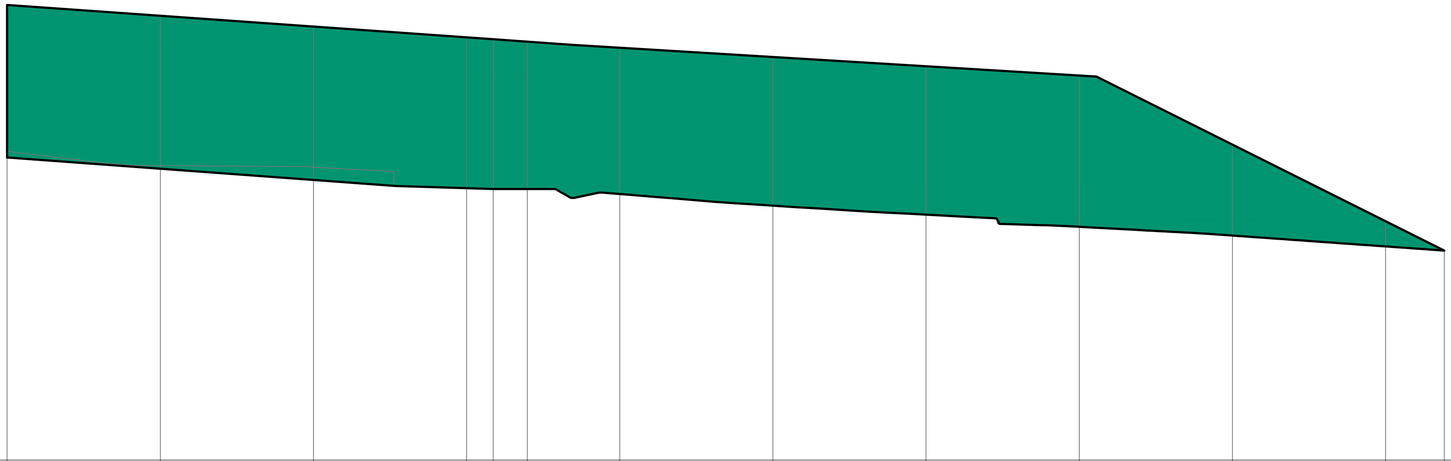
DRAWING
RETAINING WALL ELEVATIONS - SHEET 01

JOB No. SY242357
DRAWING No. C05.11
REV. 1

LEGEND

AREA OF RETAINED FILL



DATUM RL3

EXISTING SURFACE	8.039	7.804	7.779	7.437	7.424	7.424	7.342	7.151	7.004	6.806	6.663	6.486	6.418
HEIGHT (FSL-FSL)	2.49	2.50	2.50	2.46	2.44	2.40	2.39	2.43	2.42	2.47	1.48	0.41	0.00
RETAINING WALL TOP FSL	10.43	10.25	10.07	9.90	9.87	9.83	9.73	9.58	9.43	9.27	8.15	6.90	6.42
RETAINING WALL BOTTOM FSL	7.94	7.75	7.57	7.44	7.42	7.42	7.34	7.15	7.00	6.81	6.66	6.49	6.42
CHAINAGE	60.00	65.00	70.00	75.00	75.87	76.98	80.00	85.00	90.00	95.00	100.00	105.00	106.92

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW01 RETAINING WALL
GABION WALL

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DESIGNED B.LAWRENCE
VERIFIER

1:100
0 1 2 3 4 5m
0.0 0.5 1.0 1.5 2.0 2.5m
1:50
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

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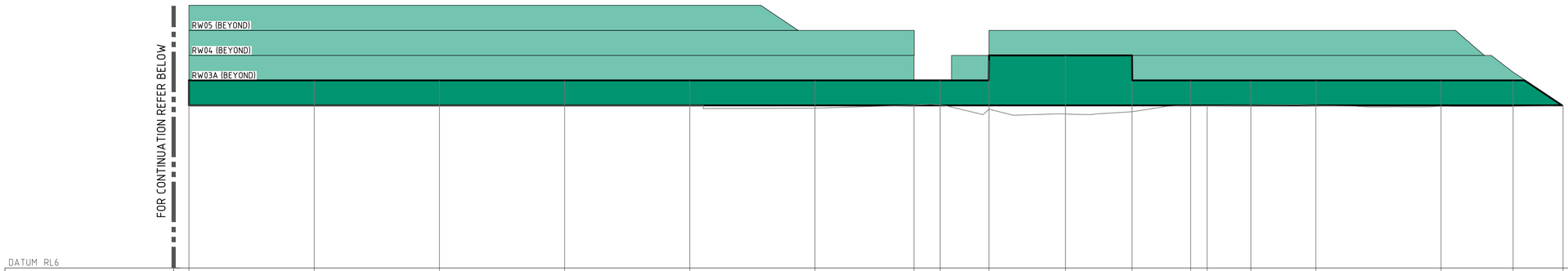
DRAWING
RETAINING WALL ELEVATIONS - SHEET 02

JOB No. SY242357
DRAWING No. C05.12
REV. 1

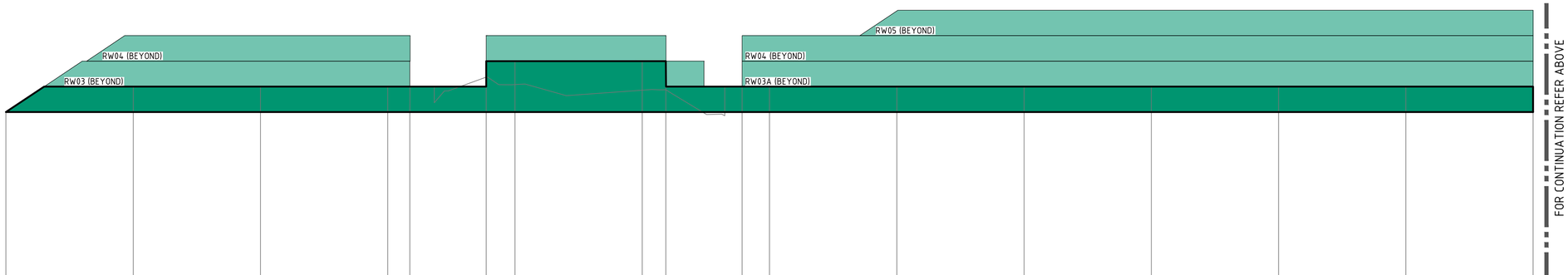


DATUM RL6

EXISTING SURFACE	9.25	9.25	9.25	9.25	9.25	9.196	9.254	9.256	9.175	9.081	9.124	9.244	9.243	9.251	9.248	9.231	9.231	9.236	
HEIGHT (FSL-FSL)	0.50	0.50	0.50	0.50	0.50	0.50		0.50	0.90	1.00	1.00	0.50		0.50	0.50	0.50	0.50	-0.01	
RETAINING WALL TOP FSL	9.75	9.75	9.75	9.75	9.75	9.75		9.75	10.15	10.25	10.25	9.75		9.75	9.75	9.75	9.75	9.24	
RETAINING WALL BOTTOM FSL	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	
CHAINAGE	60.00	65.00	70.00	75.00	80.00	85.00	88.95	90.00	91.95	95.00	97.66	100.00	100.66	102.41	105.00	110.00	112.88	114.87	

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW02 RETAINING WALL



DATUM RL6

EXISTING SURFACE	9.25	9.25	9.25	9.25	9.25	9.936	9.79	9.679	9.688	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	
HEIGHT (FSL-FSL)	0.00	0.50	0.50	0.50		0.99	1.00	1.00	1.00		0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
RETAINING WALL TOP FSL	9.25	9.75	9.75	9.75		10.24	10.25	10.25	10.25		9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	
RETAINING WALL BOTTOM FSL	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25	
CHAINAGE	0.00	5.00	10.00	15.00	15.87	18.87	20.00	25.00	25.93	28.92	30.00	35.00	40.00	45.00	50.00	55.00	60.00		

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW02 RETAINING WALL

LEGEND

AREA OF RETAINED FILL

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VERIFIER

1:100 0 1 2 3 4 5m
1:50 0.0 0.5 1.0 1.5 2.0 2.5m
Scale at

REV.	DESCRIPTION	ISSUED	DATE
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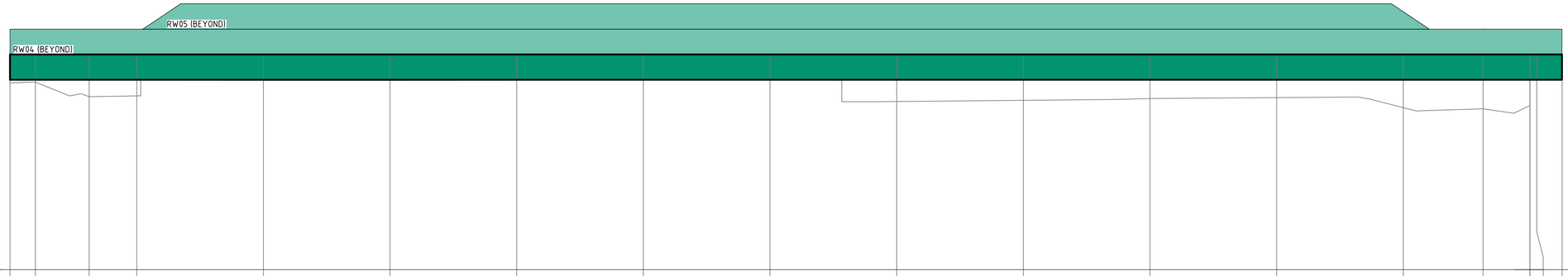
DRAWING
RETAINING WALL ELEVATIONS - SHEET 03

JOB No. SY242357
DRAWING No. C05.13
REV. 1

LEGEND

AREA OF RETAINED FILL

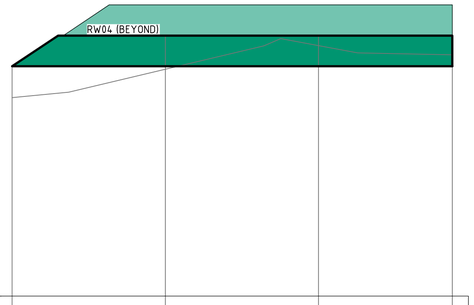


DATUM RL6

EXISTING SURFACE	9.688	9.704	9.417	9.432	9.737	9.736	9.741	9.745	9.744	9.32	9.344	9.379	9.397	9.2	9.177	9.239	9.303	9.175	
HEIGHT (FSL-FSL)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
RETAINING WALL TOP FSL	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	
RETAINING WALL BOTTOM FSL	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	
CHAINAGE	0.00	1.00	3.12	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	58.15	60.00	60.27	61.27	

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW03A RETAINING WALL

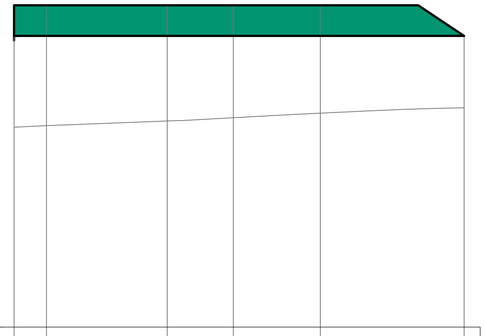


DATUM RL6

EXISTING SURFACE	9.238	9.7	10.086	9.936
HEIGHT (FSL-FSL)	0.00	0.50	0.50	0.50
RETAINING WALL TOP FSL	9.75	10.25	10.25	10.25
RETAINING WALL BOTTOM FSL	9.75	9.75	9.75	9.75
CHAINAGE	0.00	5.00	10.00	14.37

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW03 RETAINING WALL



DATUM RL5

EXISTING SURFACE	8.262	8.286	8.363	8.415	8.49	8.577
HEIGHT (FSL-FSL)	0.50	0.50	0.50	0.50	0.50	0.00
RETAINING WALL TOP FSL	10.25	10.25	10.25	10.25	10.25	9.75
RETAINING WALL BOTTOM FSL	9.75	9.75	9.75	9.75	9.75	9.75
CHAINAGE	0.00	1.06	5.00	7.16	10.00	14.70

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW03B RETAINING WALL

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JOB MANAGER B.LAWRENCE
DESIGNED B.LAWRENCE
VERIFIER

1:100 0 1 2 3 4 5m
1:50 0.0 0.5 1.0 1.5 2.0 2.5m
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
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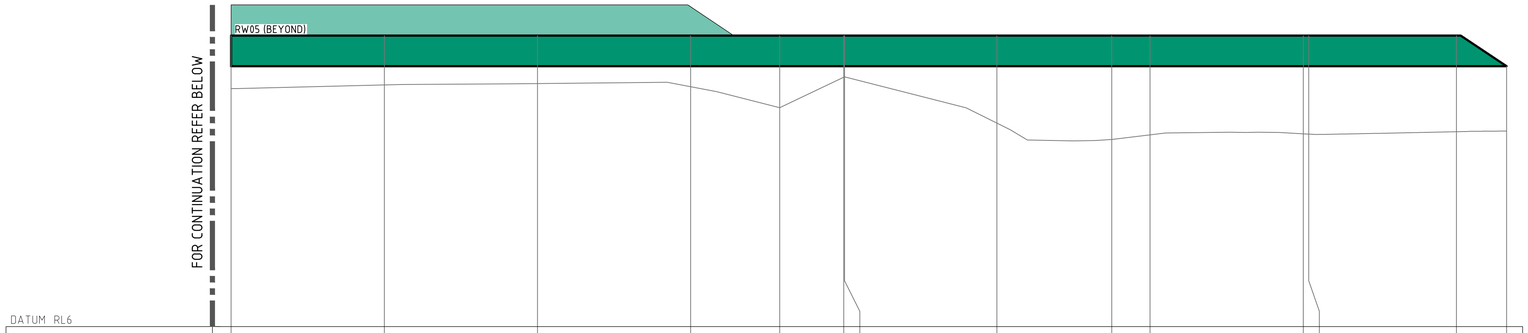
DRAWING
RETAINING WALL ELEVATIONS - SHEET 04

JOB No. SY242357
DRAWING No. C05.14
REV. 1

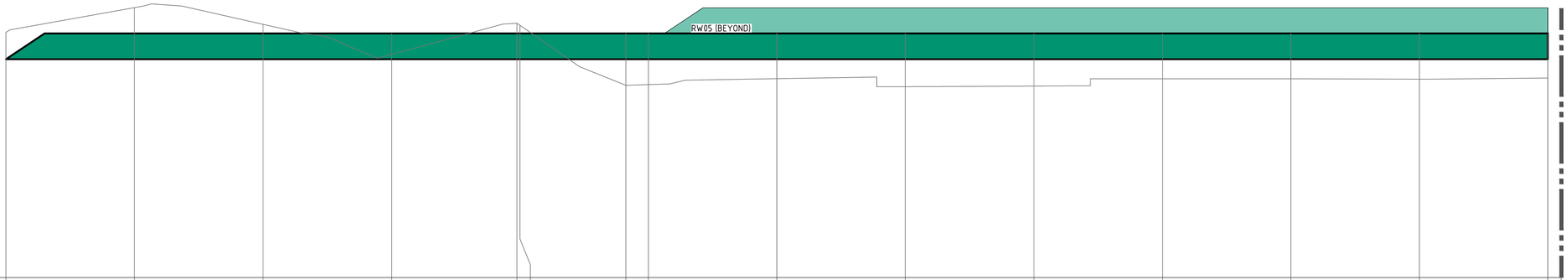


DATUM RL6

EXISTING SURFACE	9.884		9.943		9.967		9.914	9.573	10.069	10.075		9.321		9.053	9.129		9.146	9.141		9.181	9.192	
HEIGHT (FSL-FSL)	0.50		0.50		0.50		0.50	0.50	0.50	0.50		0.50		0.50	0.50		0.50	0.50		0.50	0.00	
RETAINING WALL TOP FSL	10.75		10.75		10.75		10.75	10.75	10.75	10.75		10.75		10.75	10.75		10.75	10.75		10.75	10.25	
RETAINING WALL BOTTOM FSL	10.25		10.25		10.25		10.25	10.25	10.25	10.25		10.25		10.25	10.25		10.25	10.25		10.25	10.25	
CHAINAGE	60.00		65.00		70.00		75.00	77.91	80.00	80.03		85.00		88.75	90.00		95.00	95.18		100.00	101.64	

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW04 RETAINING WALL



DATUM RL6

EXISTING SURFACE	10.774		11.252		10.93		10.342	10.951	10.909	9.74	9.755		9.87		9.715	9.726		9.868		9.869	9.861	9.884
HEIGHT (FSL-FSL)	0.00		0.50		0.50		0.50	0.50	0.50	0.50	0.50		0.50		0.50	0.50		0.50		0.50	0.50	0.50
RETAINING WALL TOP FSL	10.25		10.75		10.75		10.75	10.75	10.75	10.75	10.75		10.75		10.75	10.75		10.75		10.75	10.75	10.75
RETAINING WALL BOTTOM FSL	10.25		10.25		10.25		10.25	10.25	10.25	10.25	10.25		10.25		10.25	10.25		10.25		10.25	10.25	10.25
CHAINAGE	0.00		5.00		10.00		15.00	19.88	20.00	24.12	25.00		30.00		35.00	40.00		45.00		50.00	55.00	60.00

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW04 RETAINING WALL

LEGEND

AREA OF RETAINED FILL

NOT FOR CONSTRUCTION

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URBN SURF

Clarke Hopkins Clarke

DRAWN A.FALLINS
DESIGNED B.LAWRENCE
JOB MANAGER B.LAWRENCE
VERIFIER

1:100 0 1 2 3 4 5m
1:50 0.0 0.5 1.0 1.5 2.0 2.5m
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
URBNSURF LANDSCAPE MOUND
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DRAWING
RETAINING WALL ELEVATIONS - SHEET 05

JOB No. SY242357
DRAWING No. C05.15
REV. 1

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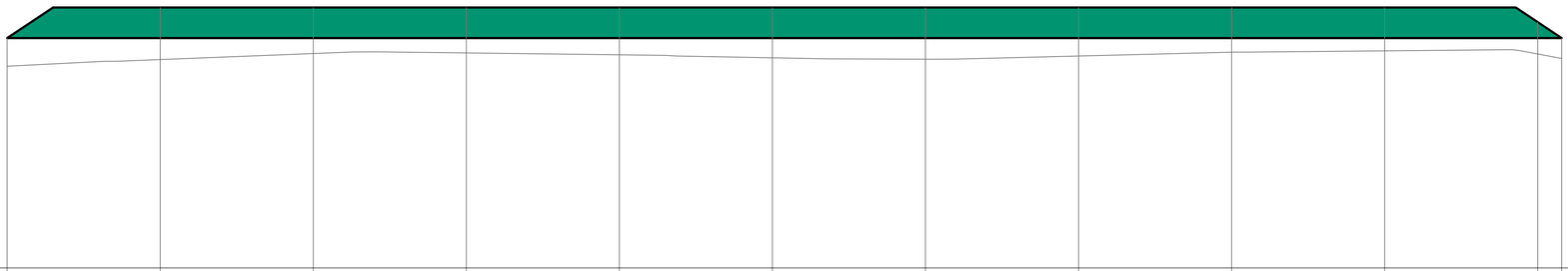
LEGEND

AREA OF RETAINED FILL



DATUM RL7

EXISTING SURFACE	10.291	10.4	10.498	10.509	10.478	10.429	10.406	10.459	10.52	10.543	10.492	10.418
HEIGHT (FSL-FSL)	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.26	0.00
RETAINING WALL TOP FSL	10.75	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.01	10.75
RETAINING WALL BOTTOM FSL	10.75	10.75	10.75	10.75	10.75	10.75	10.75	10.75	10.75	10.75	10.75	10.75
CHAINAGE	0.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	50.78

SCALE 1:100 HORIZ 1:50 VERT

ELEVATION OF RW05 RETAINING WALL

NOT FOR CONSTRUCTION

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DESIGNED B.LAWRENCE
JOB MANAGER B.LAWRENCE
VERIFIER

1:100
0 1 2 3 4 5m
0.0 0.5 1.0 1.5 2.0 2.5m
1:50
Scale at

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUED FOR DRAFT REVIEW	AF	07.01.26

PROJECT
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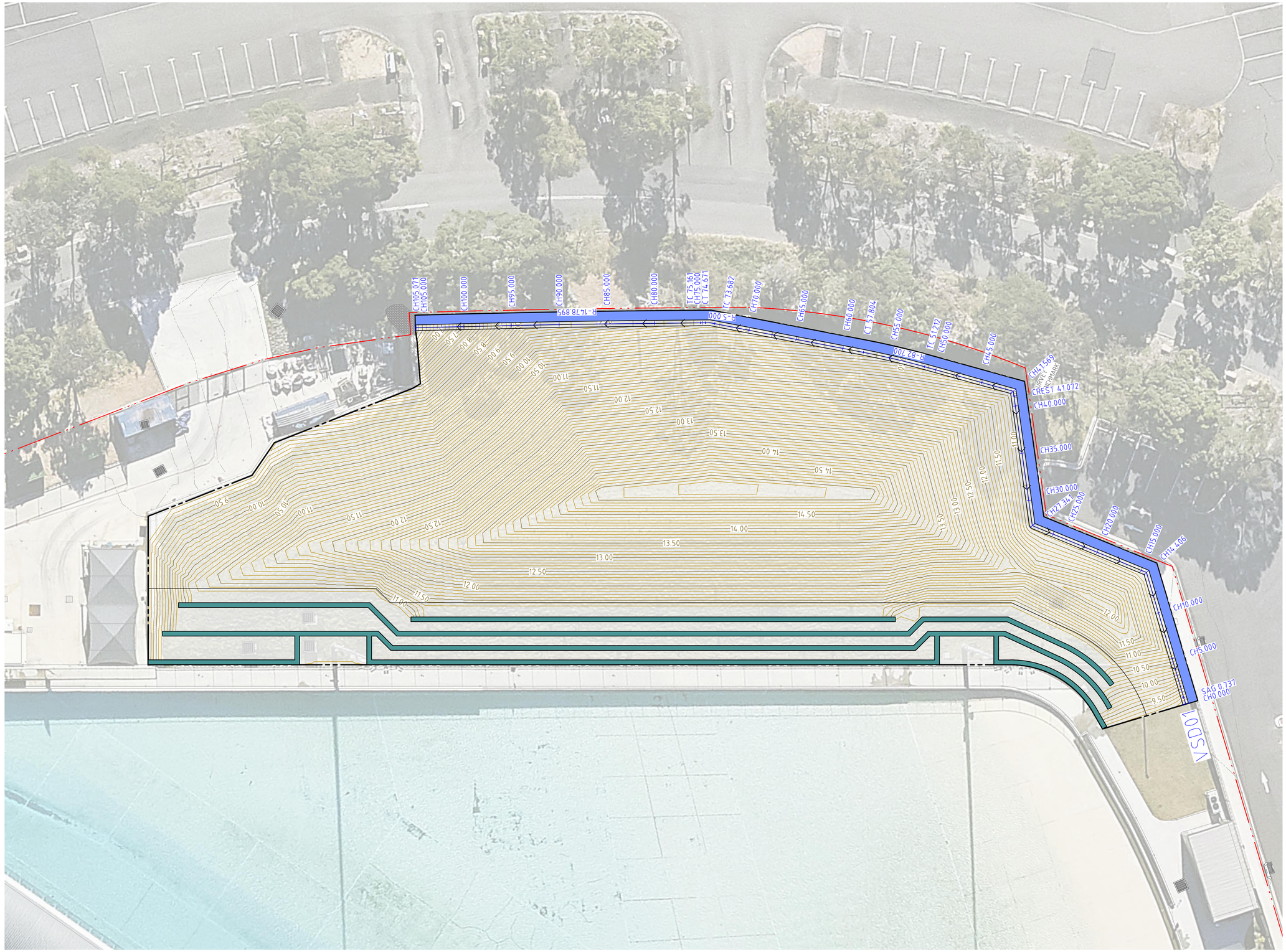
DRAWING
RETAINING WALL ELEVATIONS - SHEET 06

JOB No. SY242357
DRAWING No. C05.16
REV. 1



LEGEND

- EXISTING BOUNDARY LINE
- SWALE 01 — CONTROL LINE
- CH0.000 — CHAINAGE
- TC0.000 — TANGENT POINT
- LIMIT OF WORKS — LIMIT OF WORKS

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DESIGNED B.LAWRENCE
VERIFIER

1:200
0 2 4 6 8 10m

Scale at A1

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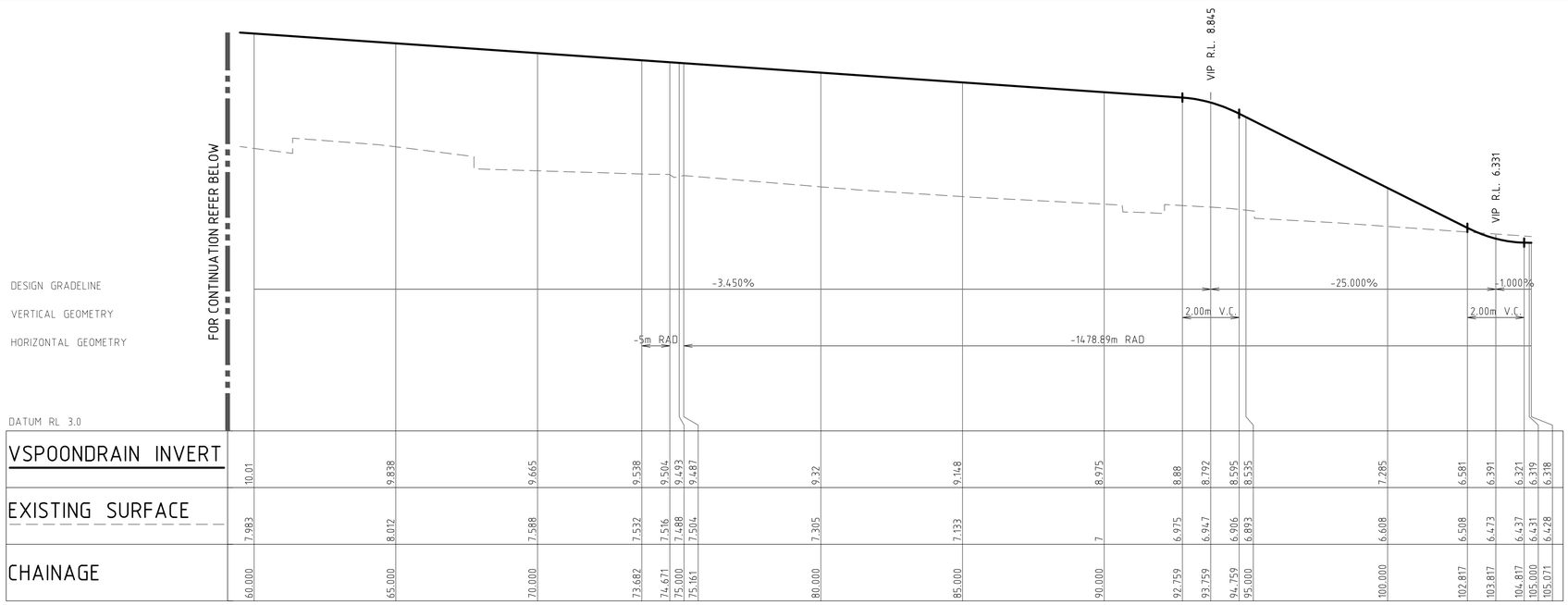
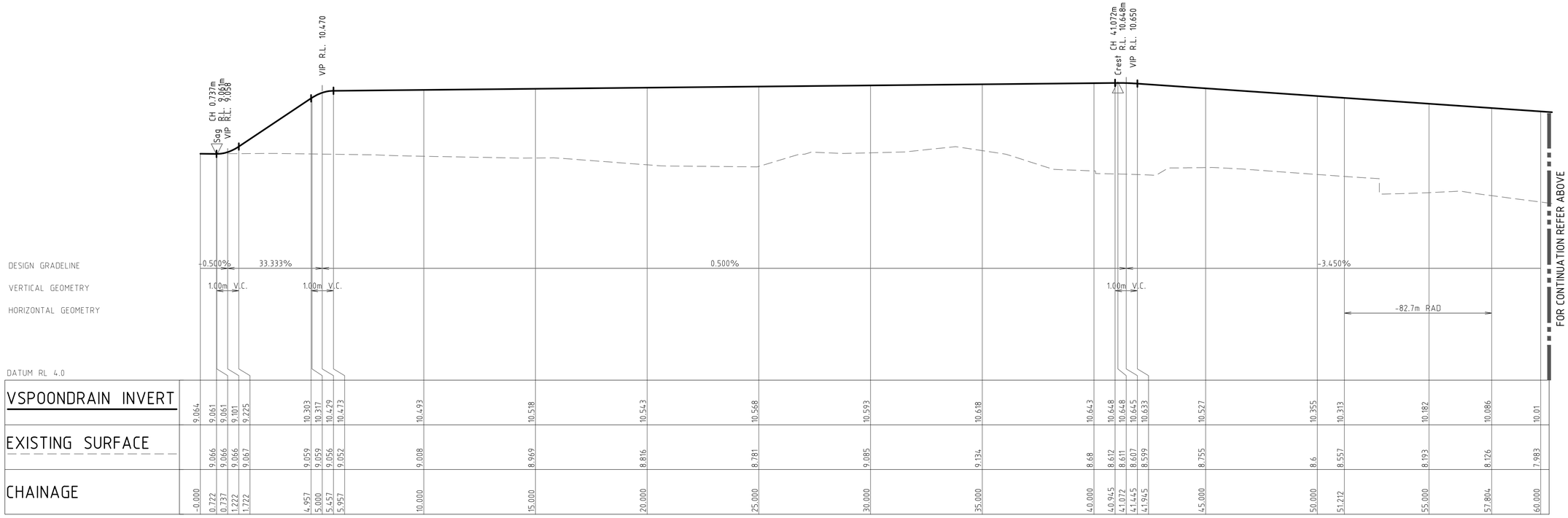
DRAWING
SWALE ALIGNMENT CONTROL PLAN

JOB No. SY242357
DRAWING No. C06.01
REV. 1



LONGITUDINAL SECTION ALONG VSD01

HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:50@A1



LONGITUDINAL SECTION ALONG VSD01

HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:50@A1

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VERIFIER

1:100
0 1 2 3 4 5m
0.0 0.5 1.0 1.5 2.0 2.5m
1:50
Scale at

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DRAWING
SWALE LONGITUDINAL SECTIONS

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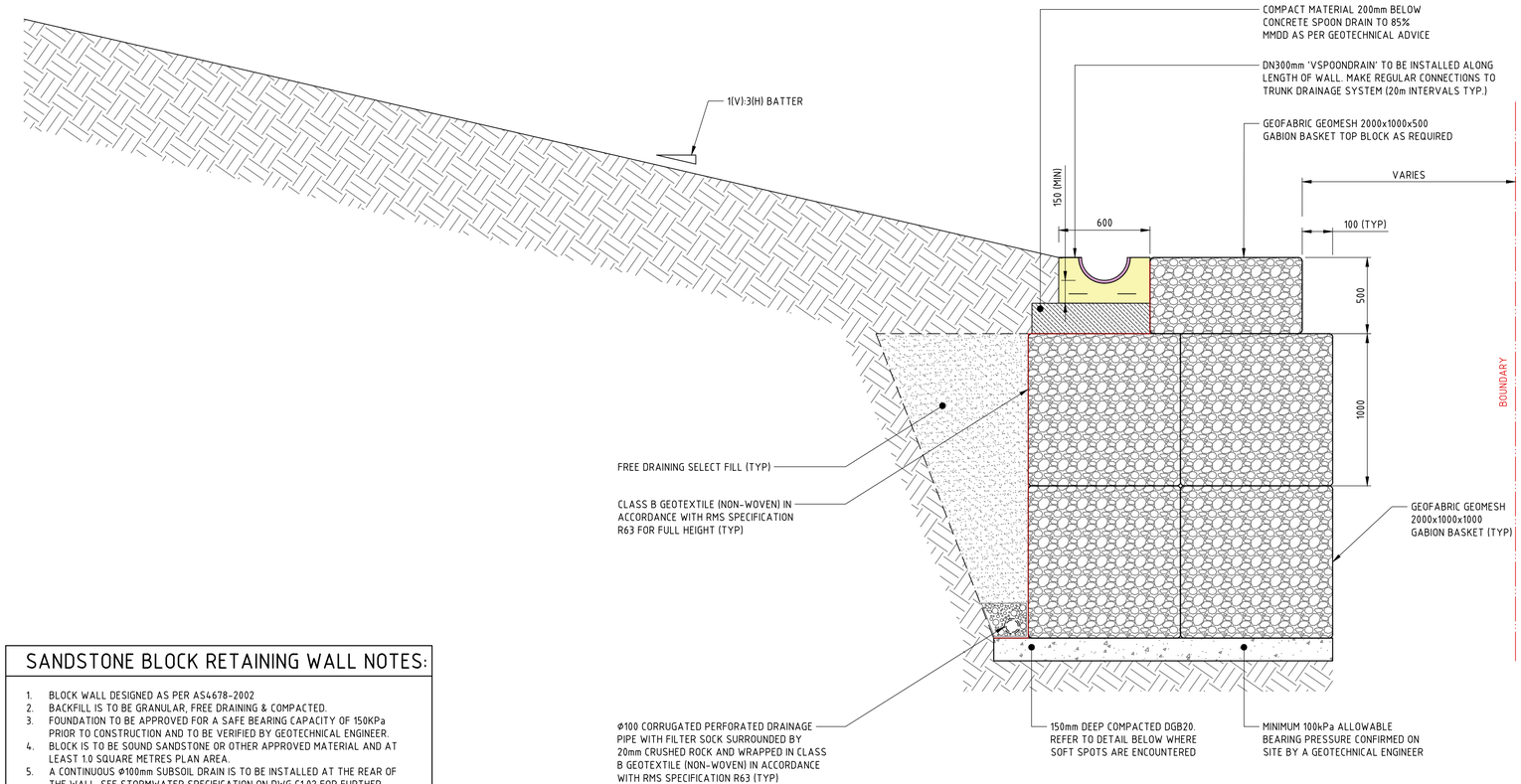


GABION WALL TYPICAL DETAIL

SCALE: 1:20

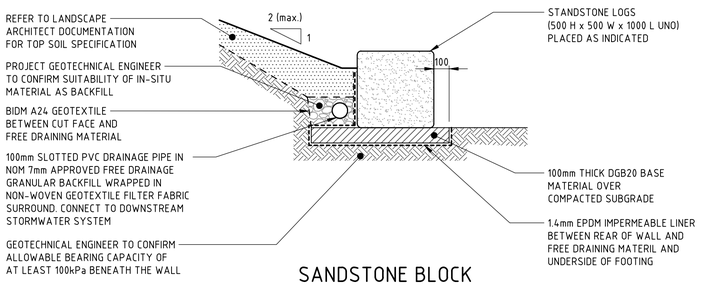
GABION NOTES:

1. GABIONS TO BE IN ACCORDANCE WITH RMS QA SPECIFICATIONS R55 ROCK FILLED GABIONS AND MATTRESSES
2. NON-WOVEN GEOTEXTILE TO BE PLACED AT THE REAR FACE OF THE GABION UNITS FOR THE FULL HEIGHT.
3. GABION BASKETS TO BE GALVANISED AND FULLY LACED TO BOTH THE UPPER AND LOWER NEIGHBOURING BASKETS.
4. GABION TO BE DIVIDED INTO CELL OF LENGTH NOT GREATER THAN 2m.
5. THE FRONT OF FACE AND ALL OTHER EXPOSED FACES OF GABION TO BE HAND PACKED WITH ROCKS TO ACHIEVE A SMOOTH FINISH. ROCKS USED IN GABION WALLS MUST MEET THE APPROPRIATE CRITERIA FOR HARDNESS / DURABILITY (SHALE IS NOT BE USED). ALL MATERIALS TO BE IN ACCORDANCE WITH THE FOLLOWING:
   - RMS QA SPECIFICATION R55 ROCK FILLED GABIONS AND MATTRESSES;
   - AS2758.4-2017 AGGREGATES AND ROCKS FOR ENGINEERING PURPOSES, AGGREGATE FOR GABION BASKETS AND WIRE MATTRESSES; AND
   - AS4534-2016 ZINC AND ZINC / ALUMINIUM-ALLOY COATINGS ON STEEL WIRE
6. GABION BASKETS MUST NOT BE ACCESSIBLE.
7. THE MINIMUM ALLOWABLE BEARING CAPACITY OF THE FOUNDATION MATERIAL IS TO BE 100 kPa.
8. UNSUITABLE FOUNDATION MATERIAL TO BE REMOVED AND REPLACED IN ACCORDANCE WITH GEOTECHNICAL ENGINEERS REQUIREMENTS. FOUNDATION MATERIAL TO BE VERIFIED BY APPROPRIATELY QUALIFIED GEOTECHNICAL ENGINEER ON SITE PRIOR TO COMMENCEMENT OF WORKS.
9. FOUNDATION BASE MUST BE LEVEL PRIOR TO PLACEMENT OF THE GABION WALL.
10. SELECT FILL TO BE PROVIDED IN ACCORDANCE WITH RMS QA SPECIFICATION B30 AND PLACED IN LIFTS NOT EXCEEDING 150mm AND COMPACTED TO 98% STANDARD COMPACTION AT 60-90% OPTIMUM MOISTURE CONTENT

DESIGN PARAMETERS FROM OZ GEOS REPORT GT1019-05N
c = 0kPa
UNIT WEIGHT = 19kn/m^3
Ka = 0.32
Ko = 0.49

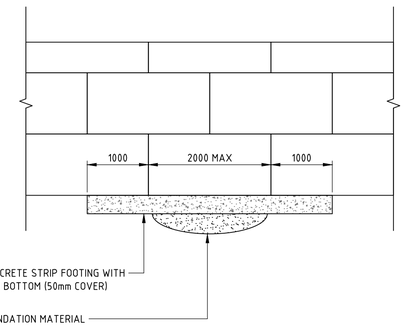
SANDSTONE BLOCK RETAINING WALL NOTES:

1. BLOCK WALL DESIGNED AS PER AS4678-2002
2. BACKFILL IS TO BE GRANULAR, FREE DRAINING & COMPACTED.
3. FOUNDATION TO BE APPROVED FOR A SAFE BEARING CAPACITY OF 150KPa PRIOR TO CONSTRUCTION AND TO BE VERIFIED BY GEOTECHNICAL ENGINEER.
4. BLOCK IS TO BE SOUND SANDSTONE OR OTHER APPROVED MATERIAL AND AT LEAST 1.0 SQUARE METRES PLAN AREA.
5. A CONTINUOUS Ø100mm SUBSOIL DRAIN IS TO BE INSTALLED AT THE REAR OF THE WALL. SEE STORMWATER SPECIFICATION ON DWG C1.02 FOR FURTHER DETAIL.
6. ROCKS SHALL BE PLACED IN SUCH A MANNER THAT THEY ARE STABLE & INTERLOCKING & LAID ROUGHLY COURSED & BEDDED ON THEIR BROADEST BASE.
7. SURCHARGE LIVE LOAD OF 5KPa AS PER AS4678-2002 CONSIDERED IN THE DESIGN.
8. FOUNDATION IS TO BE STIFF NATURAL CLAY OR ENGINEERED FILL COMPACT 98% STANDARD DRY DENSITY, 150kPa MINIMUM BEARING CAPACITY PRIOR TO CONSTRUCTION TO BE VERIFIED BY GEOTECHNICAL ENGINEER.
9. DOWNSTREAM END OF EACH WALL SUBSOIL TO BE CONNECTED INTO GRANULAR MATERIAL OF STORMWATER TRENCH.
10. RETAINING WALL ELEVATIONS ARE INDICATIVE. CONTRACTOR TO USE WHOLE BLOCKS WITH MINIMUM OF TWO BLOCKS STACKED VERTICALLY.
11. BIDIM A24 GEOTEXTILE BETWEEN CUT FACE & FREE DRAINING MATERIAL



SANDSTONE BLOCK - MAX RETAINED HEIGHT 500mm

SCALE 1:20



CONCRETE STRIP FOOTING BRIDGE OVER SOFT MATERIAL TYPICAL DETAIL

SCALE: 1:50

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JOB MANAGER B.LAWRENCE
VERIFIER
SCALE VARIES
Scale at

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DRAWING
DETAILS

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REV.
1