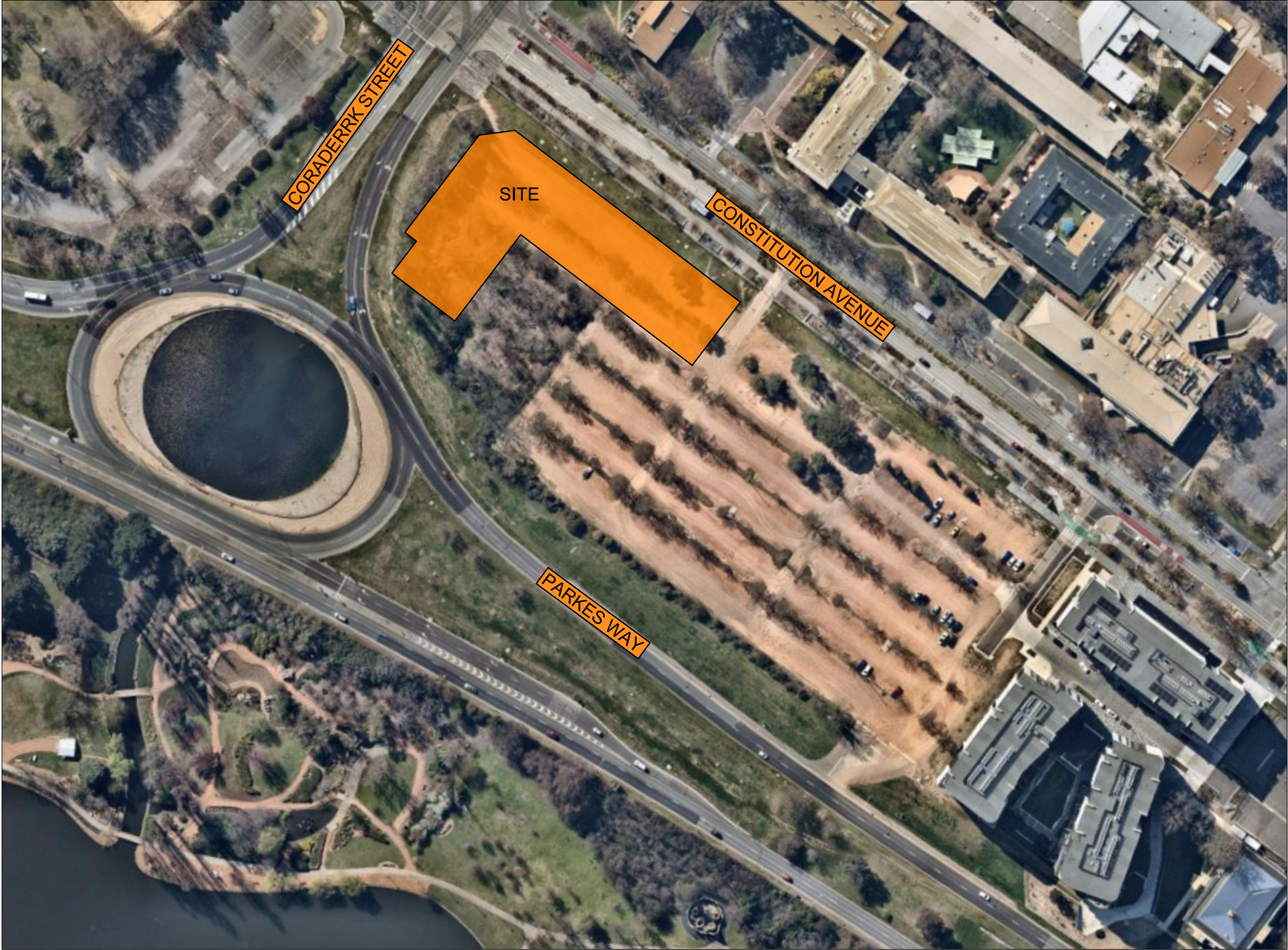


UNSW CANBERRA CITY

MAIN WORKS

BLOCK 12 SECTION 3 PARKES, ACT 2600



NOT FOR CONSTRUCTION

WORKS APPROVAL			RC	AD	11.12.2024																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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NUMBER	DRAWING TITLE
GENERAL-00000	
231606-TTW-10-DR-CI-00001	GENERAL COVER SHEET
231606-TTW-10-DR-CI-00002	GENERAL DRAWING INDEX
231606-TTW-10-DR-CI-00003	GENERAL NOTES AND LEGEND SHEET 1
231606-TTW-10-DR-CI-00004	GENERAL NOTES AND LEGEND SHEET 2
231606-TTW-10-DR-CI-00011	GENERAL ARRANGEMENT PLAN SHEET 1
231606-TTW-10-DR-CI-00012	GENERAL ARRANGEMENT PLAN SHEET 2
231606-TTW-10-DR-CI-00021	GENERAL EXISTING PARKING PLAN
231606-TTW-10-DR-CI-00022	GENERAL PROPOSED PARKING PLAN
GEOMETRY-01000	
231606-TTW-10-DR-CI-01001	GEOMETRY NOTES AND LEGEND
231606-TTW-10-DR-CI-01011	GEOMETRY ALIGNMENT CONTROL AND GRADING PLAN
231606-TTW-10-DR-CI-01031	GEOMETRY RAMP LONGITUDINAL SECTION
231606-TTW-10-DR-CI-01032	GEOMETRY ROAD LONGITUDINAL SECTION SHEET 1
231606-TTW-10-DR-CI-01033	GEOMETRY ROAD LONGITUDINAL SECTION SHEET 2
231606-TTW-10-DR-CI-01041	GEOMETRY TYPICAL SECTIONS SHEET 1
231606-TTW-10-DR-CI-01042	GEOMETRY TYPICAL SECTIONS SHEET 2
231606-TTW-10-DR-CI-01043	GEOMETRY TYPICAL SECTIONS SHEET 3
231606-TTW-10-DR-CI-01044	GEOMETRY TYPICAL SECTIONS SHEET 4
PAVEMENT-03000	
231606-TTW-10-DR-CI-03001	PAVEMENT NOTES AND LEGEND
231606-TTW-10-DR-CI-03011	PAVEMENT PLAN SHEET 1
231606-TTW-10-DR-CI-03012	PAVEMENT PLAN SHEET 2
231606-TTW-10-DR-CI-03041	PAVEMENT DETAILS SHEET 1
231606-TTW-10-DR-CI-03042	PAVEMENT DETAILS SHEET 2
STORMWATER-04000	
231606-TTW-10-DR-CI-04001	STORMWATER NOTES AND LEGEND SHEET 1
231606-TTW-10-DR-CI-04002	STORMWATER NOTES AND LEGEND SHEET 2
231606-TTW-10-DR-CI-04011	STORMWATER AND SUBSOIL DRAINAGE PLAN SHEET 1
231606-TTW-10-DR-CI-04012	STORMWATER AND SUBSOIL DRAINAGE PLAN SHEET 2
UTILITIES-05000	
231606-TTW-10-DR-CI-05001	UTILITIES - COORDINATION NOTES AND LEGEND SHEET 1
231606-TTW-10-DR-CI-05002	UTILITIES - COORDINATION NOTES AND LEGEND SHEET 2
231606-TTW-10-DR-CI-05011	UTILITIES - COORDINATION PLAN
TRAFFIC CONTROL DEVICES-07000	
231606-TTW-10-DR-CI-07011	TRAFFIC CONTROL DEVICES - PLAN REMOVAL PUBLIC
231606-TTW-10-DR-CI-07012	TRAFFIC CONTROL DEVICES - PLAN PROPOSED PUBLIC
231606-TTW-10-DR-CI-07022	TRAFFIC CONTROL DEVICES - PLAN PROPOSED PRIVATE
TEMPORARY TRAFFIC MANAGEMENT-08000	
231606-TTW-10-DR-CI-08001	TEMPORARY TRAFFIC MANAGEMENT - NOTES AND LEGEND SHEET 1
231606-TTW-10-DR-CI-08002	TEMPORARY TRAFFIC MANAGEMENT - NOTES AND LEGEND SHEET 2
231606-TTW-10-DR-CI-08011	TEMPORARY TRAFFIC MANAGEMENT - PLAN
ENVIRONMENTAL MANAGEMENT-09200	
231606-TTW-10-DR-CI-09201	ENVIRONMENTAL EROSION CONTROL NOTES AND LEGEND SHEET 1
231606-TTW-10-DR-CI-09202	ENVIRONMENTAL EROSION CONTROL NOTES AND LEGEND SHEET 2
231606-TTW-10-DR-CI-09211	ENVIRONMENTAL EROSION CONTROL PLAN
VEHICLE TURNING PATHS-11000	
231606-TTW-10-DR-CI-11001	VEHICLE TURNING PATHS NOTES AND LEGEND
231606-TTW-10-DR-CI-11011	VEHICLE TURNING PATHS PLAN SHEET 1
231606-TTW-10-DR-CI-11012	VEHICLE TURNING PATHS PLAN SHEET 2
231606-TTW-10-DR-CI-11013	VEHICLE TURNING PATHS PLAN SHEET 3
WASTE MANAGEMENT-12000	
231606-TTW-10-DR-CI-12001	WASTE MANAGEMENT NOTES AND LEGEND
231606-TTW-10-DR-CI-12011	WASTE MANAGEMENT PLAN

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NOT FOR CONSTRUCTION

E WORKS APPROVAL			RC	AD	11.12.2024							Architecture:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved								
D WORKS APPROVAL			RC	AD	21.05.2024							Hassell Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com			TTW Structural Civil Traffic Façade 612 6285 1766 Level 5, 224 Bunda St, Canberra City, ACT 2601			UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600			GENERAL DRAWING INDEX			AD			RT			CP											
C WORKS APPROVAL			RC	AD	08.02.2024																																				
B WORKS APPROVAL			RC	AD	20.12.2023																																				
A DRAFT WORKS APPROVAL			RC	AD	11.12.2023																																				
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date						
231606-TTW-10-DR-CI-00002-E																																									
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1. THE CONTRACTOR TO ENSURE ALL CONSTRUCTION WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR MUST COMPLY WITH CURRENT WORK HEALTH AND SAFETY LEGISLATION, REGULATIONS AND CODES OF PRACTICE.
3. THE CONTRACTOR SHALL AT ALL TIMES HAVE A COPY OF THE RELEVANT SPECIFICATION AND CONTRACT SPECIFIC EXCEPTION CLAUSES ONSITE. RELEVANT SPECIFICATIONS INCLUDE, BUT ARE NOT LIMITED TO, AUSTRALIAN STANDARDS, TCOS MIS, ICON WATER WASTE AND SEWERAGE STANDARDS, NSW TRANSPORT STANDARDS AND LOCAL COUNCIL CONSTRUCTION SPECIFICATION.
4. THE CONTRACTOR IS TO ENSURE ALL MATERIALS AND WORK IS IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS. FAILURE TO DO SO WILL RESULT IN WORKS BEING DEEMED DEFECTIVE.
5. INSPECTION, REMEDIATION, SUPERVISION AND REQUESTS FOR INFORMATION ON DEFECTIVE WORKS OR CONTRACTOR CHANGES SHALL ONLY BE CARRIED OUT AFTER AN AGREED FEE ARRANGEMENT HAS BEEN SIGNED BETWEEN TTW AND RELEVANT PARTIES ASSOCIATED WITH THE WORKS.
6. TTW DOES NOT GUARANTEE THE SURVEY INFORMATION ON THESE DRAWINGS IS ACCURATE. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ONSITE PRIOR TO THE COMMENCEMENT OF WORKS. ANY DISCREPANCIES BETWEEN CONSTRUCTION DRAWINGS AND ONSITE CONDITIONS SHALL BE REPORTED TO THE **SUPERINTENDENT** PRIOR TO THE COMMENCEMENT OF WORKS.
7. UTILITIES INDICATED ON THESE DRAWINGS WERE COMPLIED FROM A VARIETY OF SOURCES AND ARE CATEGORISED IN ACCORDANCE WITH AS 5488.
8. PRIOR TO COMMENCING WORK ONSITE THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND SERVICES THROUGH MEANS OF POT-HOLING. DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND CONDITIONS ONSITE SHALL BE REPORTED TO THE **SUPERINTENDENT** PRIOR TO THE COMMENCEMENT OF WORKS.
9. BLOCK BOUNDARIES AND LAND ACCESS DETAILS SHOWN ON THE DRAWINGS ARE IN ACCORDANCE WITH SUPPLIED DIGITAL DATA OR SURVEY. ANY DISCREPANCIES ARE TO BE REFERRED TO THE **SUPERINTENDENT** PRIOR TO THE COMMENCEMENT OF WORKS.
10. DRAWINGS ARE NOT TO BE SCALED, USE DIMENSIONS ON DRAWINGS ONLY.
11. THE CONTRACTOR IS TO ENSURE ALL WORKS MATCH SMOOTHLY TO THE EXISTING.
12. THE CONTRACTOR SHALL ENSURE ALL DISTURBED AREAS AND ASSETS ARE REINSTATED AT THE CONTRACTORS EXPENSE TO THE **SUPERINTENDENT'S** SATISFACTION. ASSETS TO BE REINSTATED INCLUDE, BUT ARE NOT LIMITED TO, PAVEMENTS, KERBS AND LANDSCAPING.
13. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING CONSTRUCTION METHODOLOGY FOR EARTHWORKS THAT IS CONSISTENT WITH RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND WORK HEALTH AND SAFETY REQUIREMENTS, THAT ALLOWS ALL WORKS TO BE CARRIES OUT IN A SAFE AND COORDINATED MANNER.

EXISTING REMOVED EXISTING SITE

BLOCK BOUNDARY

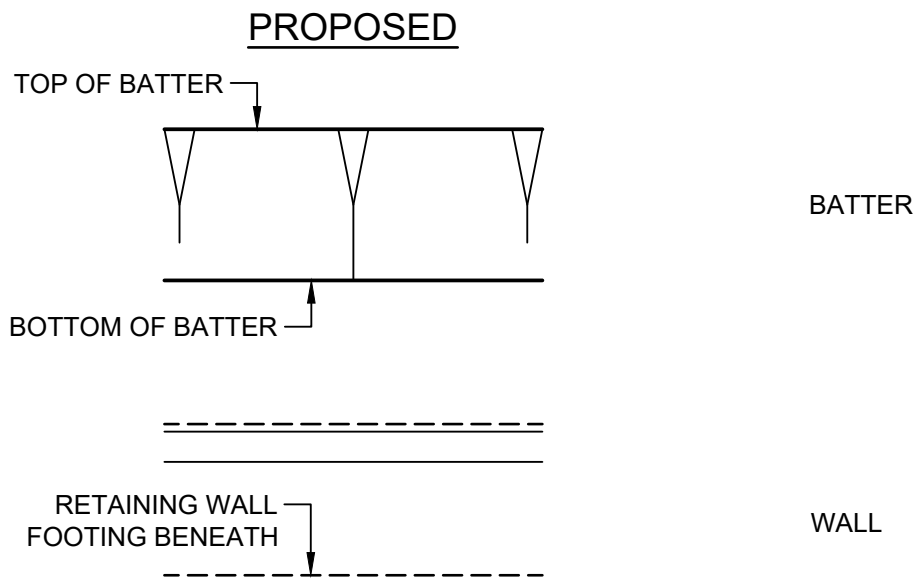
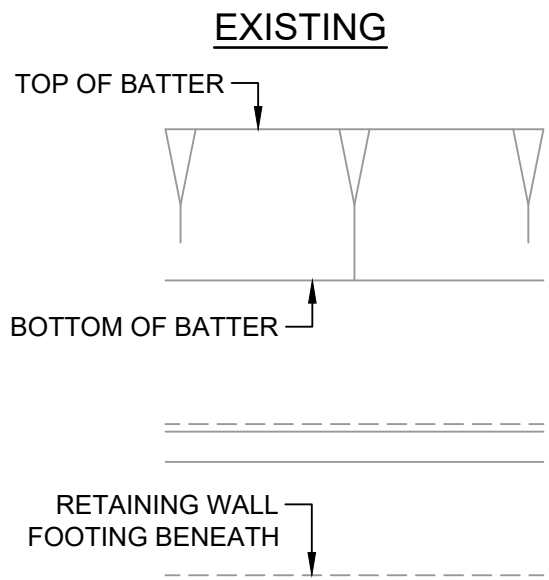
BLOCK BOUNDARY EXTINGUISHED

EXISTING	REMOVED	PROPOSED	
			BUILDING ENVELOPE
			FUTURE BUILDING ENVELOPE
			BASEMENT OUTLINE
			BUILDING AWNING
			BUILDING DOUBLE DOOR ENTRY
			BUILDING SINGLE DOOR ENTRY
			BUILDING SLIDING DOOR ENTRY

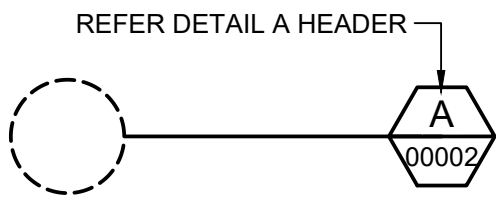
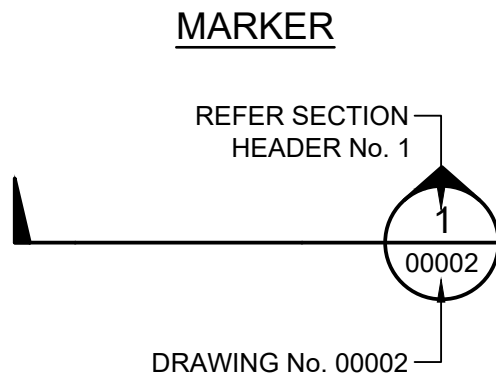
EXISTING	REMOVED	PROPOSED	
			FENCE LINE
			FENCE LINE ON SITE BOUNDARY
			TREES TREE REPRESENTATION MAY VARY BASED ON LANDSCAPE CONSULTANT OR SURVEY INFORMATION
			PAVEMENT
			SOFT LANDSCAPE

E	WORKS APPROVAL	RC	AD	11.12.2024					Architecture:		Engineer:	Structural Civil Traffic Façade	Project:	UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600	Drawing Title:	GENERAL NOTES AND LEGEND SHEET 1	Scale at A1	Drawn	Designed	Approved
D	WORKS APPROVAL	RC	AD	21.05.2024						Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com	Structural Civil Traffic Façade	UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600	Drawing Title: GENERAL NOTES AND LEGEND SHEET 1	AD RT CP	Project No Originator Zone Type Role Sheet No. Rev	231606-TTW-10-DR-CI-00003-E 11.12.2024 2:35 PM				
C	WORKS APPROVAL	RC	AD	08.02.2024																
B	WORKS APPROVAL	RC	AD	20.12.2023																
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023																
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date						

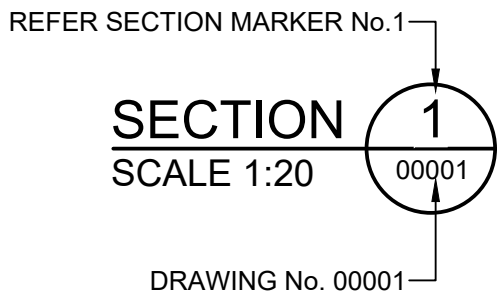
RETAINING



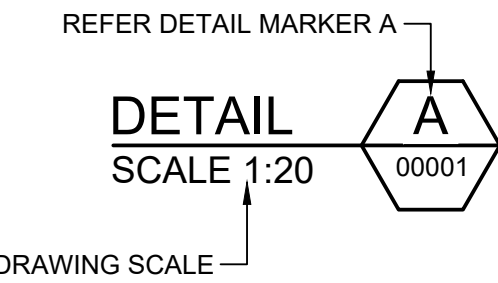
REFERENCING



HEADER



INDICATIVE SECTION NUMBER 1



DETAIL LETTER A



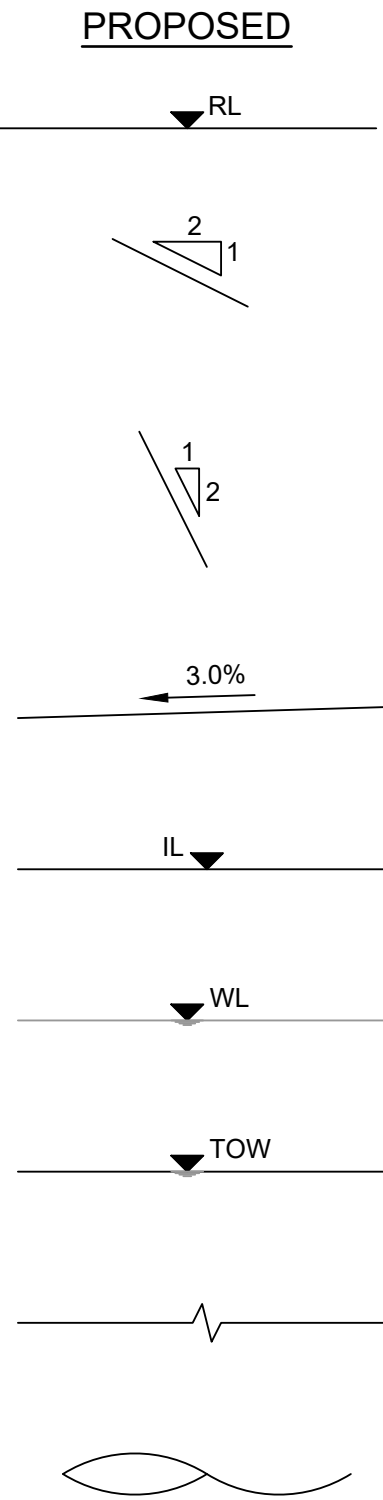
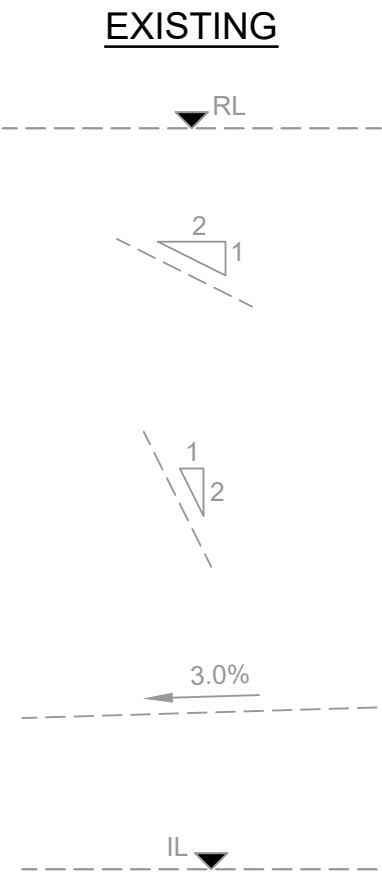
ELEVATION NUMBER 1

PLAN

SCALE 1:20

PLAN TITLE

SECTIONS



REDUCED LEVEL

HORIZONTAL SLOPE RATIO

VERTICAL SLOPE RATIO

SLOPE ARROW GRADE

PIPE INVERT LEVEL

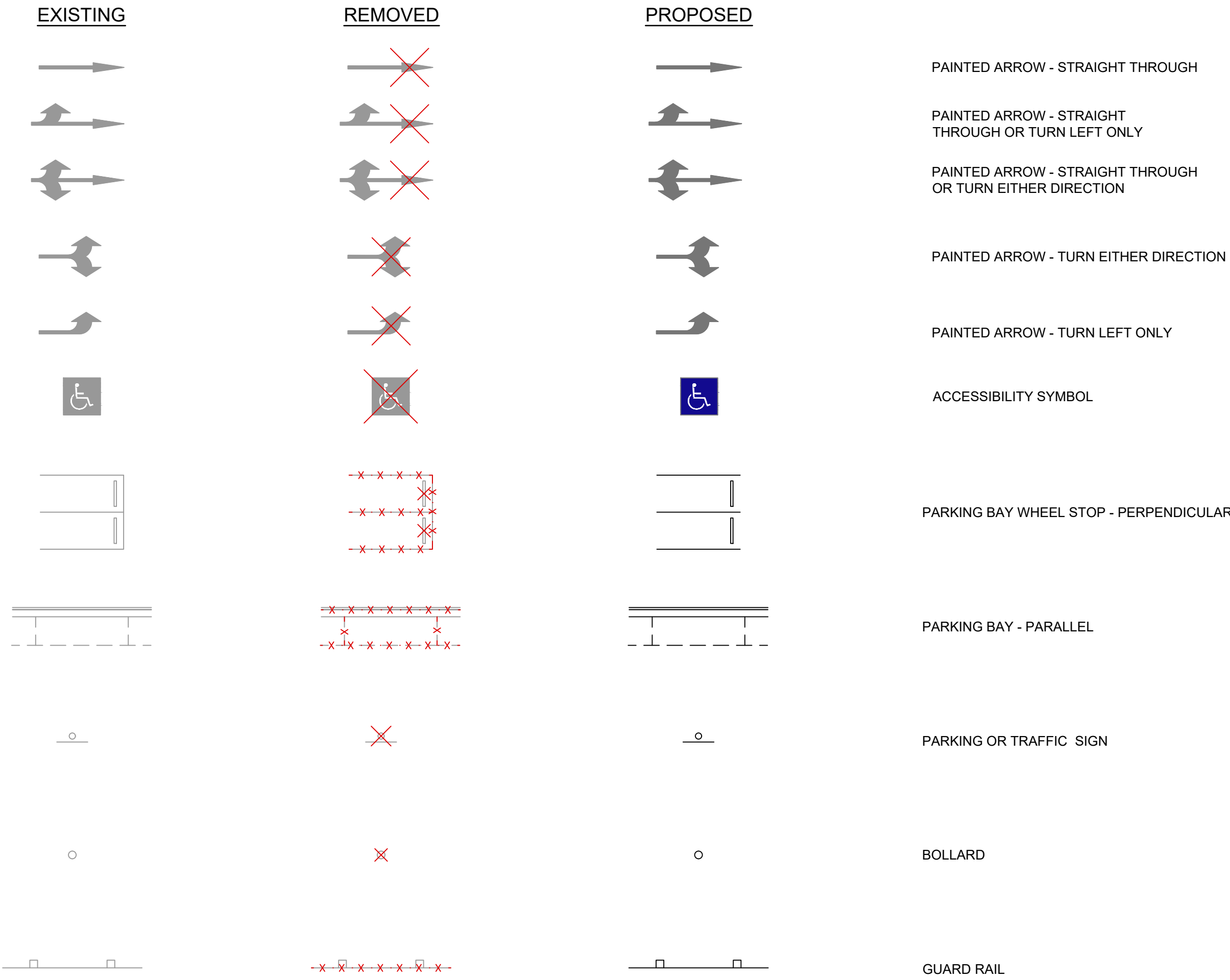
WATER LEVEL

TOP OF WALL LEVEL

BREAK LINE

PIPE BREAK

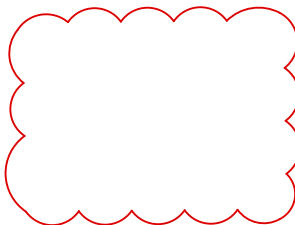
PARKING



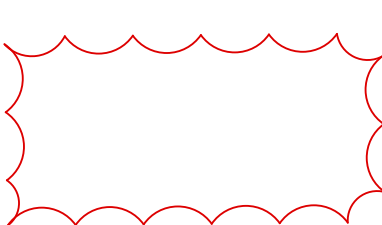
FOR A MORE COMPREHENSIVE LINES AND SIGNS LEGEND REFER 07000 SERIES DRAWINGS

REVISION

LATEST CHANGE



ON HOLD



CLOUDING

NOT FOR CONSTRUCTION

Rev			Description			Eng Draft			Date		
E	WORKS APPROVAL	RC	AD	11.12.2024							
D	WORKS APPROVAL	RC	AD	21.05.2024							
C	WORKS APPROVAL	RC	AD	08.02.2024							
B	WORKS APPROVAL	RC	AD	20.12.2023							
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023							

Architecture:	Engineer:	Project:	Drawing Title:
Hassell	TTW	UNSW CANBERRA CITY	GENERAL
Hassell LTD ABN 24 007 711 435	Structural	MAIN WORKS	NOTES AND
Level 2, Pier 8/9, 23 Hickson Rd	Civil	BLOCK 12 SECTION 3	LEGEND SHEET 2
Sydney NSW 2000 Australia	Traffic	PARKES, ACT 2600	
T +61 2 9101 2000	Façade		
F +61 2 9101 2100			
sydney@hassellstudio.com			

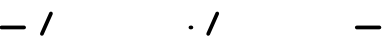
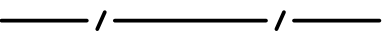
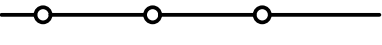
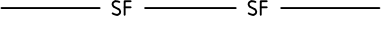
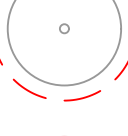
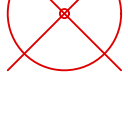
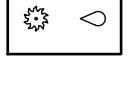
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	231606-TTW-10-DR-CI-00004-E						
	11.12.2024	2:36 PM					

ALL WORKS TO BE CARRIED IN ACCORDANCE WITH "ENVIRONMENT PROTECTION GUIDELINES FOR CONSTRUCTION AND LAND DEVELOPMENT IN THE ACT AUGUST 2022"

CONTACT DETAILS		
ROLE	NAME	CONTACT NUMBER
LEAD CONTRACTOR		
SITE MANAGER/FOREMAN		
PROJECT MANAGER		

SITE DETAILS	
TOTAL SITE AREA (m²)	
AVERAGE EXISTING SLOPE	

SEDIMENT EROSION CONTROL PLAN LEGEND

	TEMPORARY SITE FENCE TYPE 1 *
	TEMPORARY SITE FENCE TYPE 2 *
	TEMPORARY SITE FENCE TYPE 3 *
	SILT FENCING *
* ALL FENCING TO BE IN ACCORDANCE WITH STANDARD NOTES	
	INLET FILTER
	KERB FILTER
	SEDIMENT POND
	TEMPORARY LEASING ZONE
	TEMPORARY SITE ACCESS GATE TYPE 1
	TEMPORARY SITE ACCESS GATE TYPE 2
	EXISTING TREE TO BE RETAINED *
	TREE PROTECTION ZONE (TPZ) 2m FROM TREE DRIPLINE
	EXISTING TREE TO BE REMOVED *
* TREE REPRESENTATION MAY VARY BASED ON SURVEY INFORMATION	
	TEMPORARY CONSTRUCTION WASTE BINS
	BRICK CUT WASH ZONE
	CONSTRUCTION MATERIALS STOCKPILE
	TEMPORARY SITE SHEDS
	TEMPORARY STABILISED CONSTRUCTION ENTRANCE

SCHEDULE 2 - DAILY ENVIRONMENTAL CONTROL						
ENVIRONMENTAL CONTROL	CONDITION (GOOD, FAIR, POOR)	ACTION TAKEN (REPLACED, REPAIRED)	DATE	TIME	CHECKED BY	SIGNATURE
STABILISED ACCESS POINT						
CLEAN ROAD						
SEDIMENT BARRIER						
WASTE AREA						
GRASS BUFFER						
MATERIAL STORAGE						
SEDIMENT BASIN						
STOCKPILE AREA						
WORKING HOURS						
WASH AREA						
BRICK CUTTING AREA						
DUST SUPPRESSION						
UNDISTURBED AREAS						
NOISE PLAN						
SPOIL DISPOSAL (OFF-SITE)						
ACCEPTANCE OF SOIL (ON-SITE)						
STORMWATER SUMP PROTECTION						
OTHER						

SCHEDULE 3 - WATER DISCHARGE TABLE (POND REFERENCE E.G. POND 1)									
NTU LEVELS & TIME CHECKED	pH LEVELS & TIME CHECKED	POND LEVEL	PUMP RUN TIME (START-FINISH)	EPA OFFICER CONTACTED	EPA RESPONSE	DATE	TIME	CHECKED BY	SIGNATURE

SCHEDULE 3 - WATER DISCHARGE TABLE (POND REFERENCE E.G. POND 2)									
NTU LEVELS & TIME CHECKED	pH LEVELS & TIME CHECKED	POND LEVEL	PUMP RUN TIME (START-FINISH)	EPA OFFICER CONTACTED	EPA RESPONSE	DATE	TIME	CHECKED BY	SIGNATURE

SCHEDULE 3 - WATER DISCHARGE TABLE (POND REFERENCE E.G. POND 3)									
NTU LEVELS & TIME CHECKED	pH LEVELS & TIME CHECKED	POND LEVEL	PUMP RUN TIME (START-FINISH)	EPA OFFICER CONTACTED	EPA RESPONSE	DATE	TIME	CHECKED BY	SIGNATURE

NOT FOR CONSTRUCTION

SILT FENCE TYPE 1
SCALE 1:10

SILT FENCE TYPE 2
SCALE 1:10

1. IDENTIFY LOW POINT OF SITE.
2. CONSTRUCT A SEDIMENT FENCE PARALLEL TO THE SITE CONTOURS OR AS CLOSE AS POSSIBLE.
3. 1.5 METER STAR PICKETS TO BE PLACED AT MAXIMUM 3 METER CENTERS AND 600mm MINIMUM DEPTH INTO GROUND.
4. EVERY 20 METERS (FOR FENCES LONGER THAN 20 METERS) POSITION A STAR PICKET 1.5 METERS UP-SLOPE OF THE OTHERS, TO SPREAD VOLUME OF WATER FLOWING THROUGH FENCE.
5. BASE OF SEDIMENT CONTROL FABRIC TO BE BURIED A MINIMUM OF 150mm INTO THE GROUND. ALTERNATIVELY, BACKFILL OR AGGREGATE SHOULD BE PLACED ON TOE OF FABRIC, ENSURING FABRIC IS TIGHT TO GROUND.
6. WIRE TIES ARE TO BE USED TO ATTACH SEDIMENT CONTROL FABRIC TO THE UPHILL SIDE OF STAR PICKETS.
7. JOINS IN SEDIMENT CONTROL FABRIC TO OVERLAP A MINIMUM 150mm AND TO BE SUPPORTED BY A STAR PICKET

Scale at A1	Drawn	Designed	Approved
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[illegible]

Hassell

Engineer:

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

ENVIRONMENTAL EROSION CONTROL NOTES AND LEGEND SHEET 2

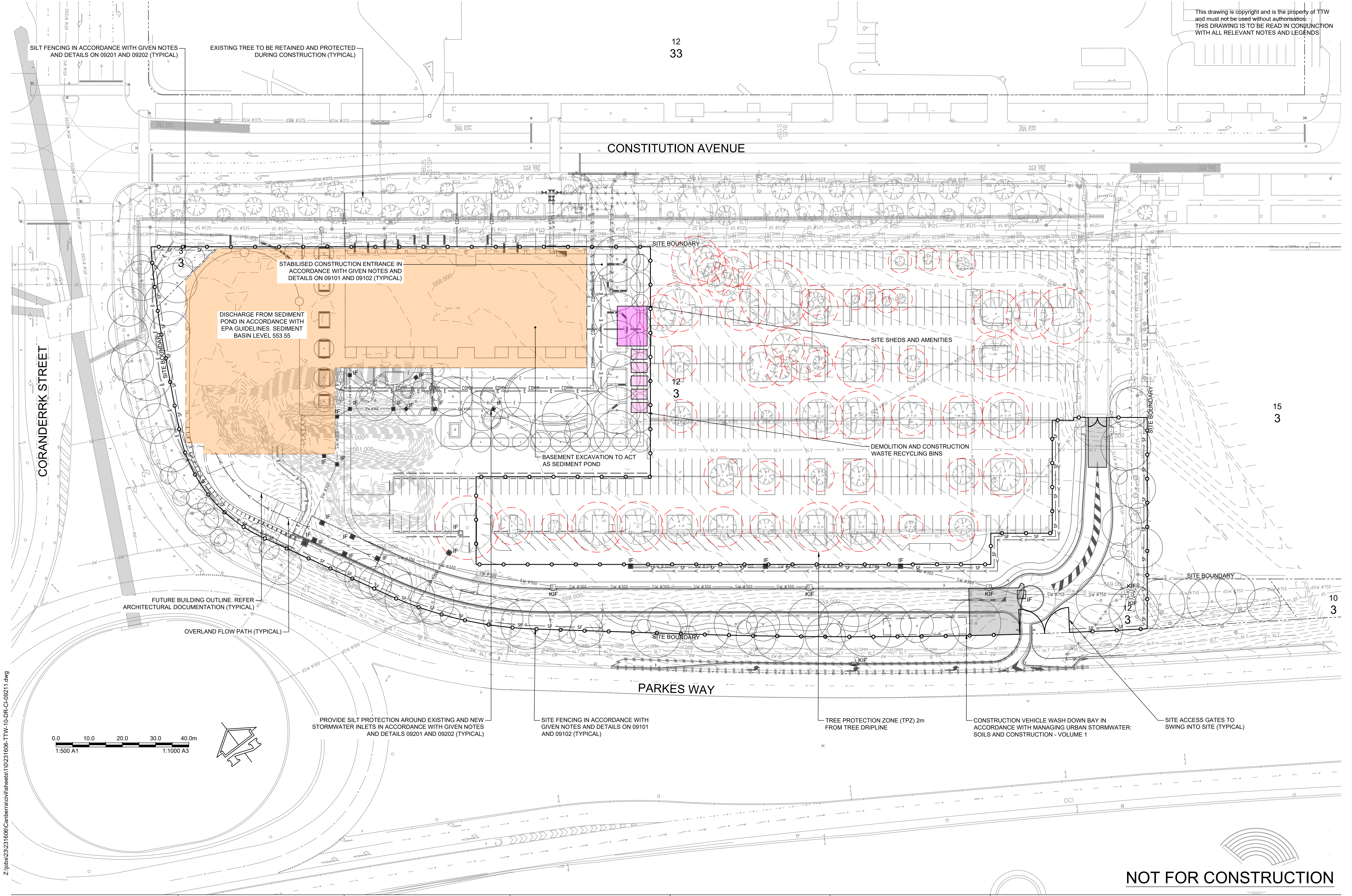
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Project No	Originator	Zone	Type	Role	Sheet No.	Re
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231606-TTW-10-DB-CI-00202-E

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12
33



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D	WORKS APPROVAL	RC	AD	21.05.2024			
C	WORKS APPROVAL	RC	AD	08.02.2024			
B	WORKS APPROVAL	RC	AD	20.12.2023			
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023			
Rev	Description	Eng	Draft	Date	Rev	Description	Eng

Architecture:
Hassell
Hassell LTD ABN 24 007 711 435
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Engineer:
TTW **Structural**
Civil
Traffic
Faade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

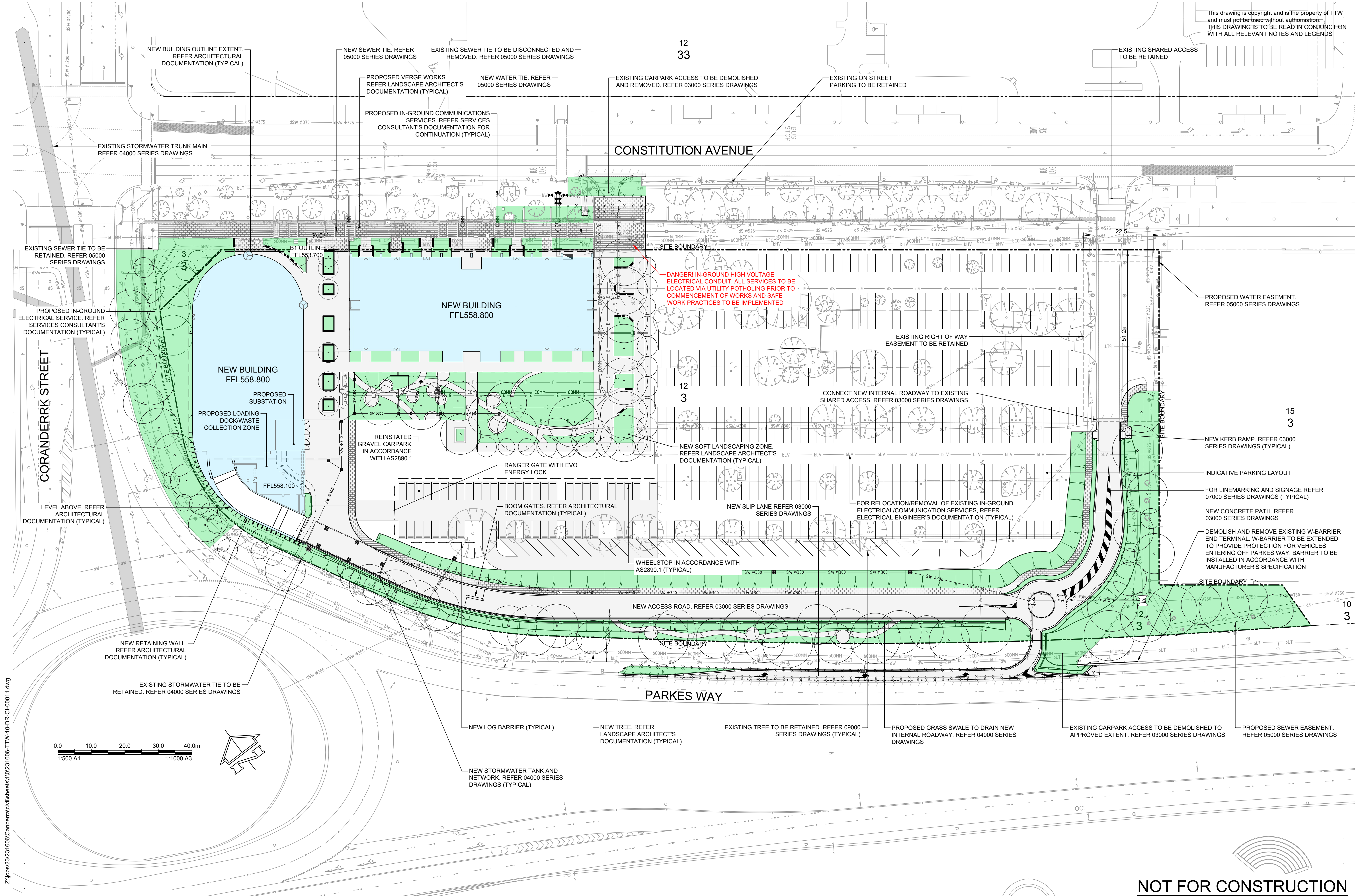
Project:
UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

Drawing Title:
ENVIRONMENTAL
EROSION CONTROL PLAN

NOT FOR CONSTRUCTION

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500	AD	RT	CP
Project No	Originator	Zone	Type
231606-TTW-10-DR-CI-09211-E			
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D	WORKS APPROVAL	RC	AD	12.04.2024			
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B	WORKS APPROVAL	RC	AD	20.12.2023			
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023	G	WORKS APPROVAL	RC AD 11.12.2024
Rev	Description	Eng	Draft	Date	Rev	Description	Eng Draft Date

Architecture:

Hassell

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sydney@hassellstudio.com

Engineer:

TTW **Structural Civil Traffic Façade**

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

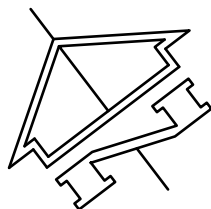
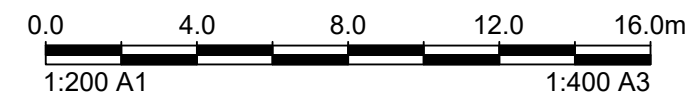
Project:

**UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600**

Drawing Title:

**GENERAL
ARRANGEMENT PLAN
SHEET 1**

Scale at A1	Drawn	Designed	Approved			
500	AD	RT	CP			
Project No	Originator	Zone	Type	Role	Sheet No.	Rev
231606-TTW-10-DR-CI-00011-G						
11.12.2024 2:37 PM						



D	WORKS APPROVAL	RC AD	11.12.2024				
C	WORKS APPROVAL	RC AD	21.05.2024				
B	WORKS APPROVAL	RC AD	08.02.2024				
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Rev Description	Eng Draft Date	Rev Description	Eng Draft Date	Rev Description	Eng Draft Date	Rev Description	Eng Draft Date

Engineer:

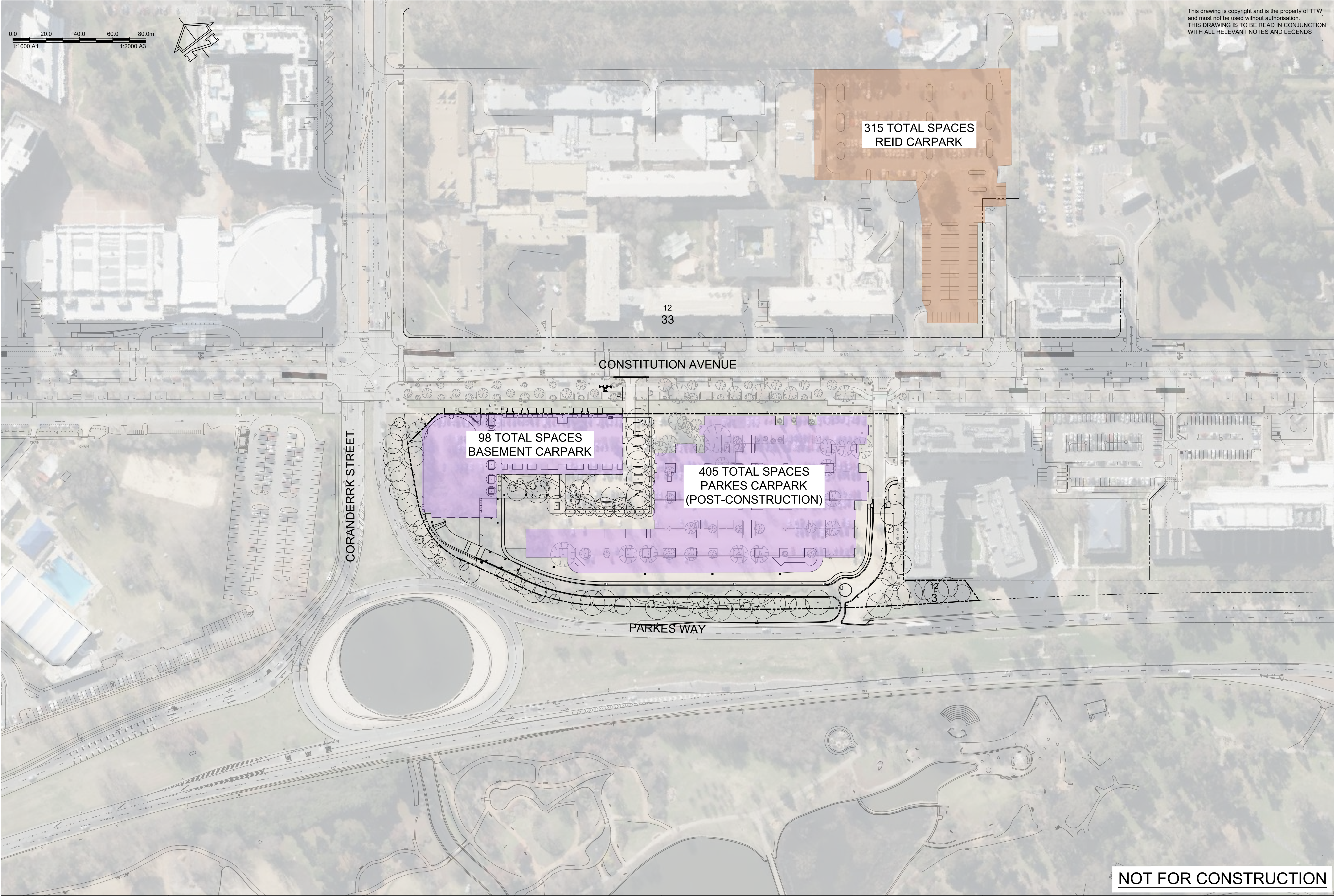
TTW **Structural
Civil
Traffic
Façade**

0612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Drawing Title:

**GENERAL
ARRANGEMENT PLAN
SHEET 2**

Scale at A1	Drawn	Designed	Approved			
500	AD	RT	CP			
Project No	Originator	Zone	Type	Role	Sheet No.	Rev
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C WORKS APPROVAL RC AD 21.05.2024								
B WORKS APPROVAL RC AD 17.05.2024								
A WORKS APPROVAL RC AD 08.02.2024								
Rev	Description	Eng Draft Date	Rev	Description	Eng Draft Date	Rev	Description	Eng Draft Date

Architecture:

Hassell

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Engineer:

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Project:

UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

Drawing Title:

GENERAL
PROPOSED PARKING
PLAN

Scale at A1	Drawn	Designed	Approved			
500	AD	RT	CP			
Project No	Originator	Zone	Type	Role	Sheet No.	Rev
231606-TTW-10-DR-CI-00022-D						
11.12.2024 2:39 PM						

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ALIGNMENT

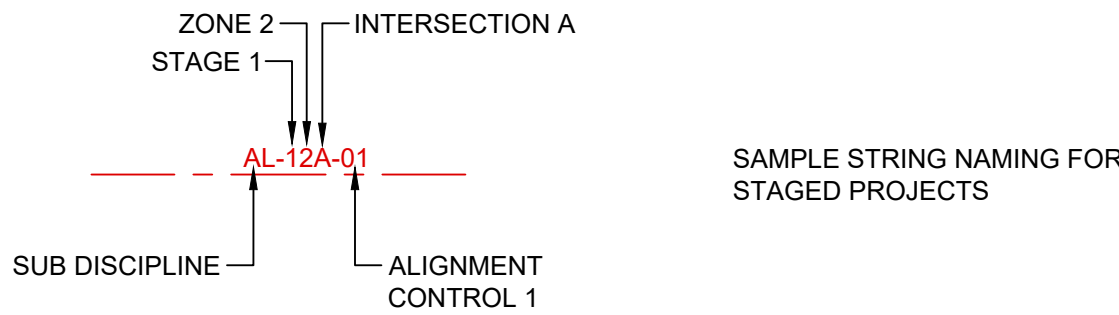
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		ROAD ALIGNMENT CONTROL 1
		KERB RETURN CONTROL 1
		DRIVEWAY CENTER CONTROL 1
		DRIVEWAY LEFT EDGE CONTROL 1
		DRIVEWAY RIGHT RIGHT CONTROL 1
		PATH CONTROL 1
		RETAINING WALL CONTROL 1
		NOISE WALL CONTROL 1
		OPEN DRAINAGE CHANNEL CONTROL 1

GEOMETRIC ANNOTATIONS

CH	CHAINAGE
TP	TANGENTIAL POINT
R	RADIUS
RL	REDUCE LEVEL
eRL	EXISTING REDUCED LEVEL
FFL	FINISHED FLOOR LEVEL
TOW	TOP OF WALL LEVEL
BOW	BOTTOM OF WALL LEVEL

NOTE

GEOMETRY NOTES AND LEGEND IS TO READ IN CONJUNCTION WITH GENERAL NOTES AND LEGEND. REFER DRAWING No. 00002



HORIZONTAL GEOMETRY

CONTROL LINE	STRING NOTATION	
		TANGENTIAL POINT DUMBBELL AT 12.345m
		CHAINAGE TICK AT 10.0m
		RADIUS IS EQUAL TO 50.0m

SURFACE

EXISTING	PROPOSED	
		CONTOUR
		SPOT LEVEL
		2.0% CROSS FALL GRADE ARROW

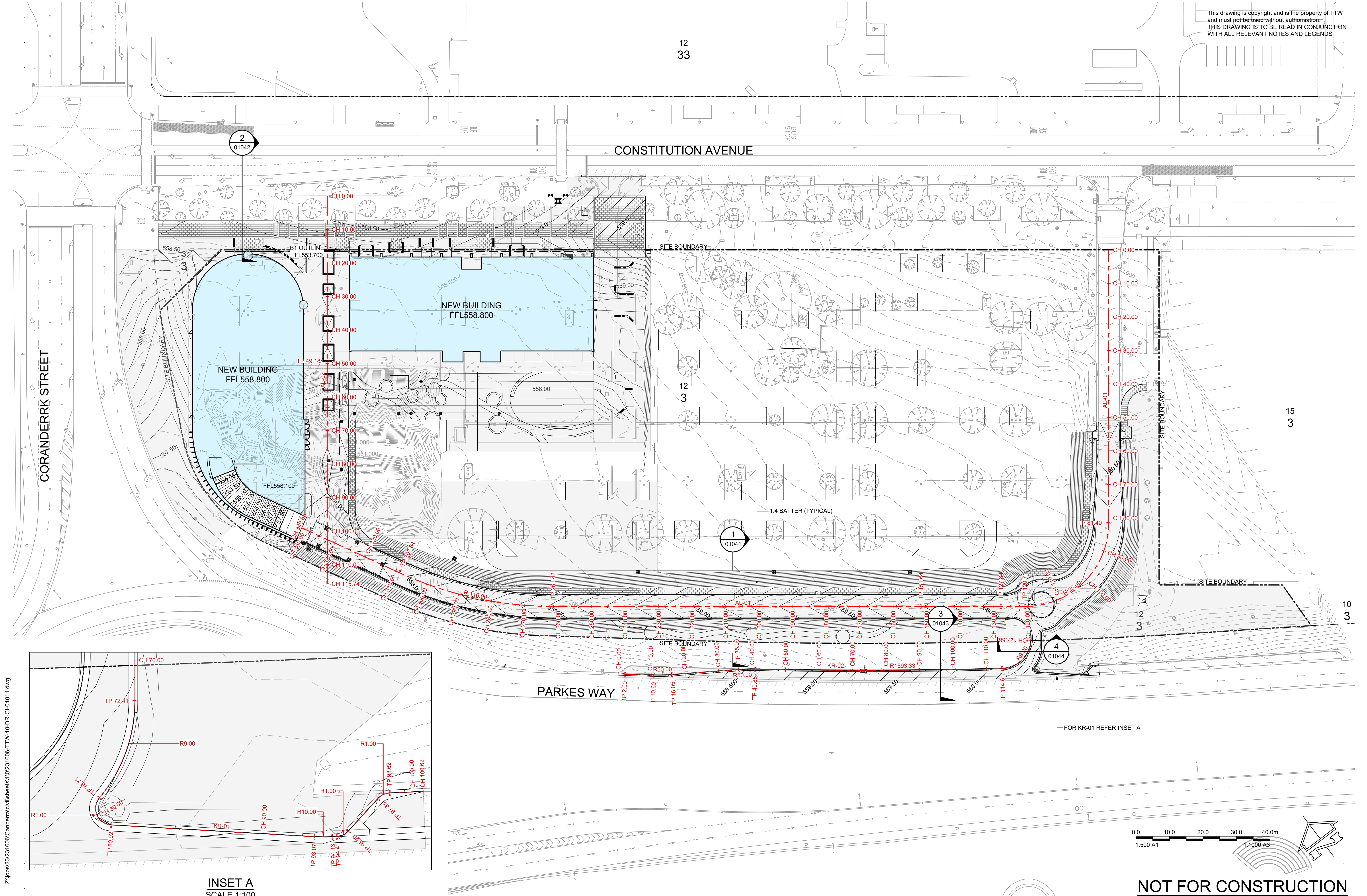
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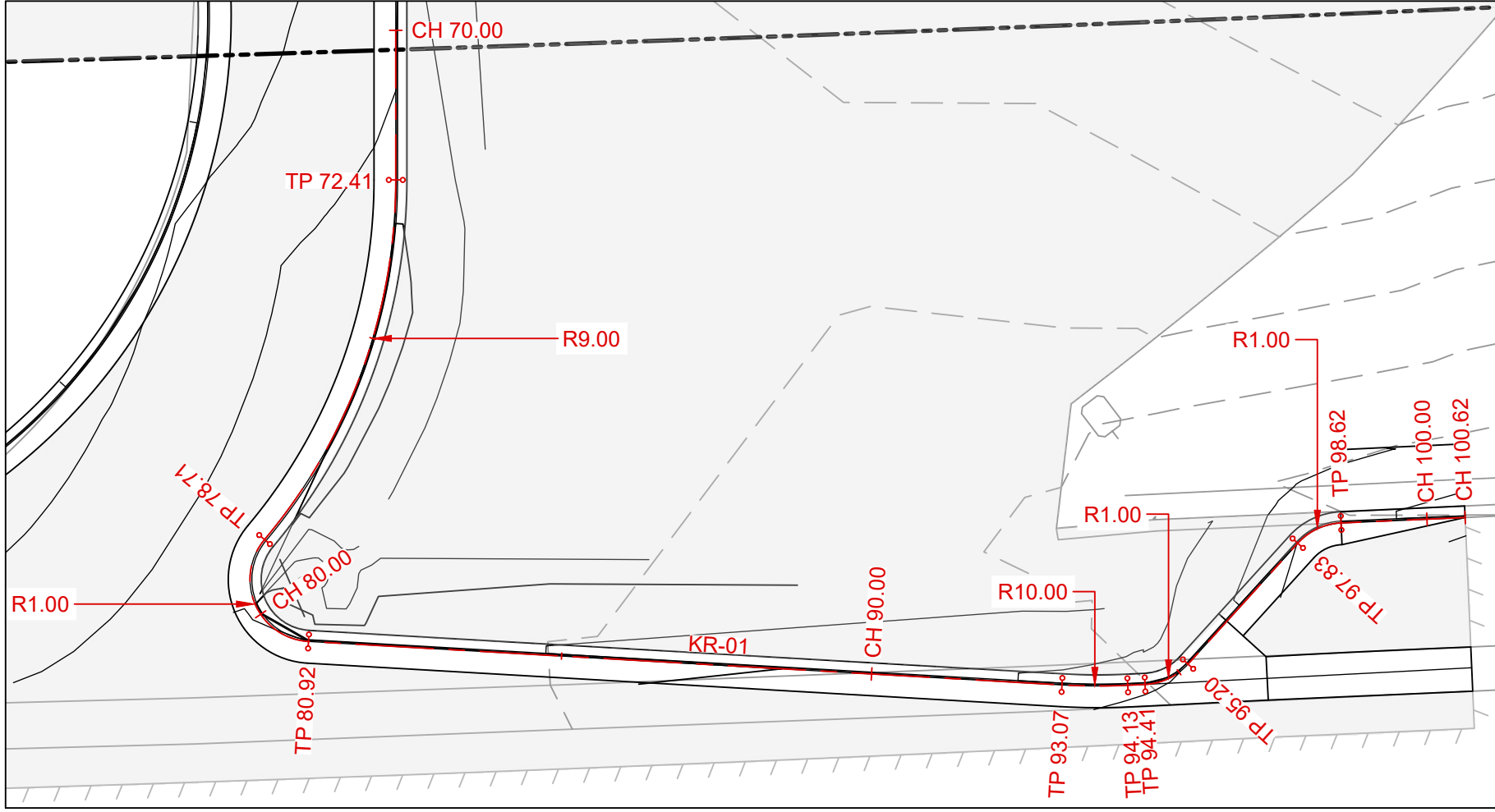
Hassell LTD ABN 24 007 711 435
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T +61 2 9101 2000
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sydney@hassellstudio.com

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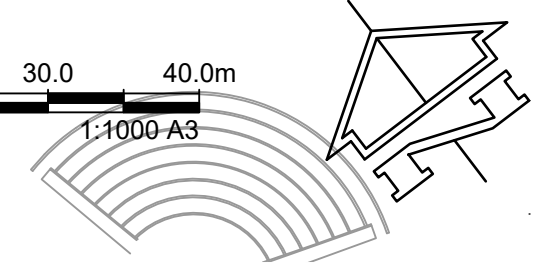
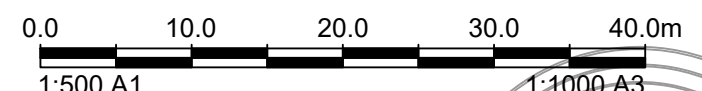
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INSET A
SCALE 1:100



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D	WORKS APPROVAL	RC	AD	21.05.2024			
C	WORKS APPROVAL	RC	AD	08.02.2024			
B	WORKS APPROVAL	RC	AD	20.12.2023			
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023			
Rev	Description	Eng	Draft	Date	Rev	Description	Eng

Architecture:

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sydney@hassellstudio.com

Engineer:

TTW **Structural**
Civil
Traffic
Facade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Project:

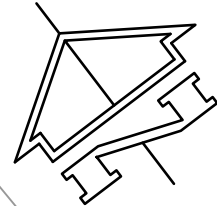
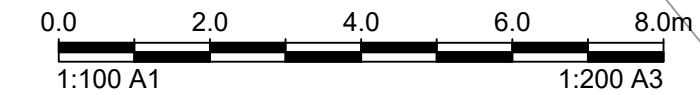
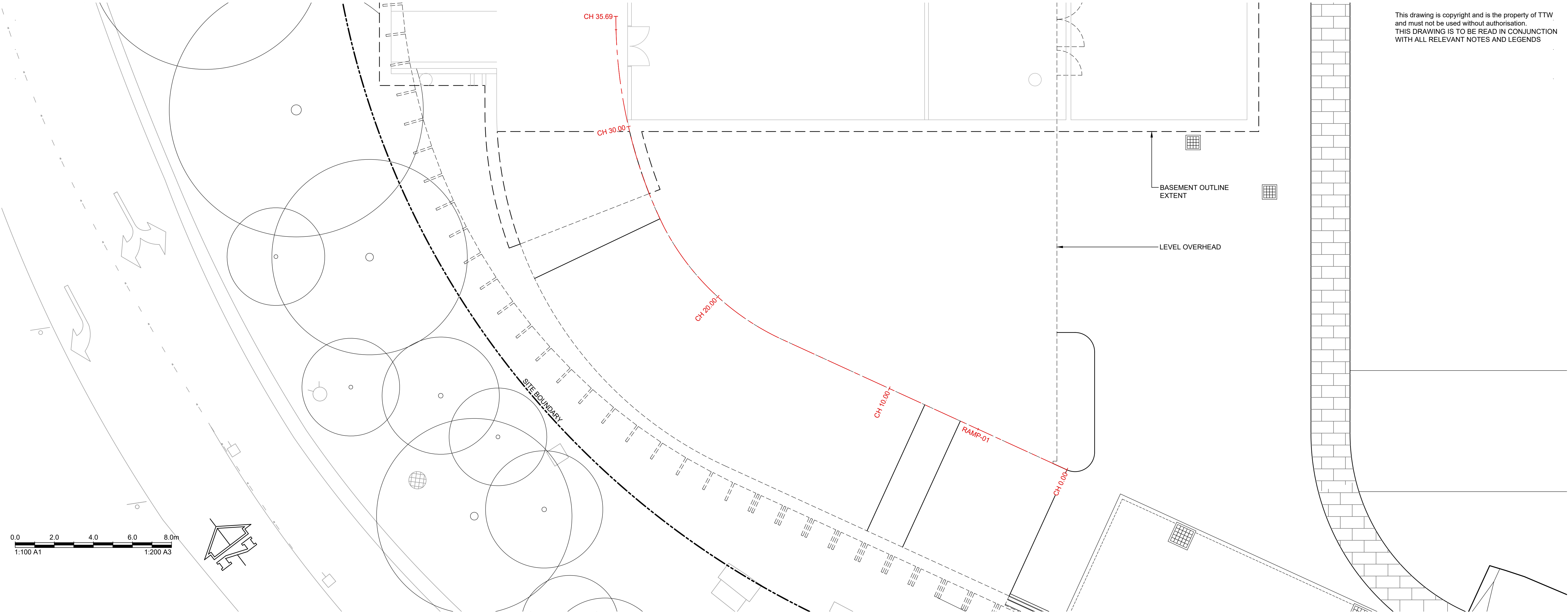
UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

Drawing Title:

GEOMETRY
ALIGNMENT CONTROL
AND GRADING PLAN

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500	AD	RT	CP
Project No	Originator	Zone	Type
231606-TTW-10-DR-CI-01011-E			
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DATUM R.L. 548.00

VERTICAL GEOMETRY	6.00 -5.00%	2.00 -17.50%	17.00 -20.00%	2.00 -12.50%	8.69 0.00%
DESIGN SURFACE (mAHD)	558.000	557.700	557.350	556.950	553.700
EXISTING SURFACE (mAHD)	558.323	558.426	558.294	557.561	557.431
CUT/FILL DEPTH (m)	-0.323	-0.726	-0.944	-1.105	-3.783
CHAINAGE (m)	0.000	6.000	8.000	10.000	35.686

RAMP ALIGNMENT 01 (RAMP-01)

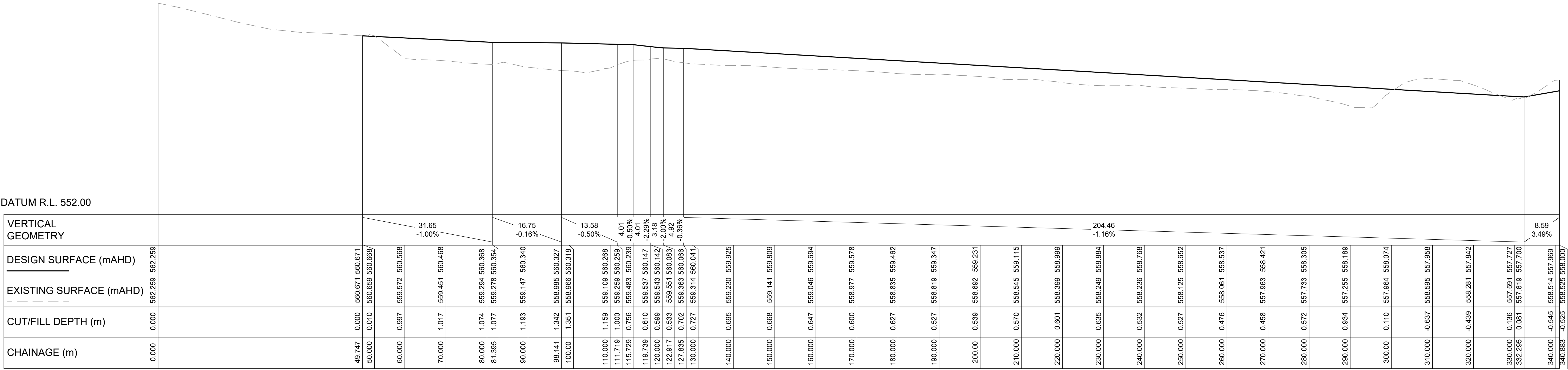
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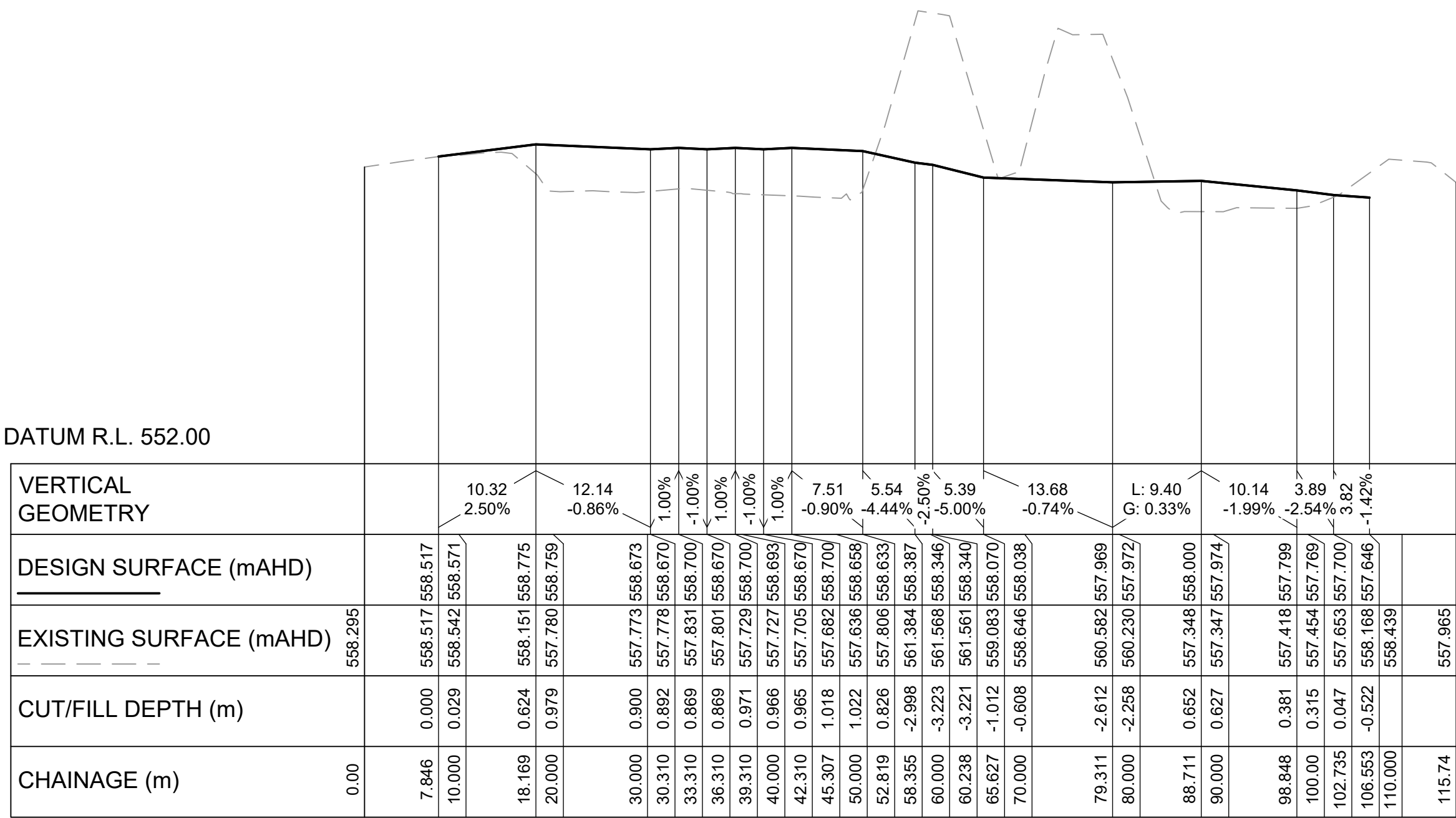
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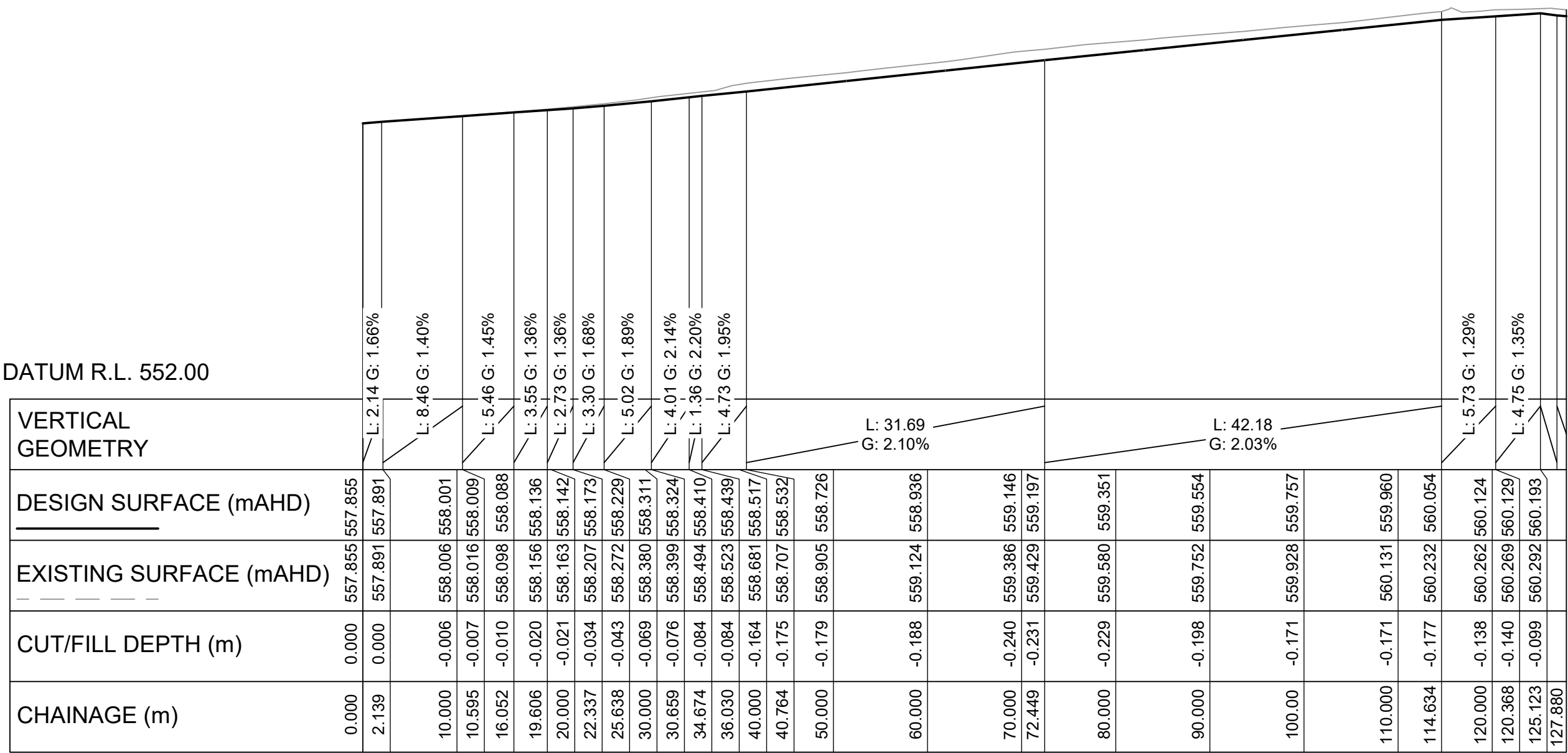
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D WORKS APPROVAL				RC AD 21.05.2024												AD		RT		CP									
C WORKS APPROVAL				RC AD 08.02.2024												Project No		Originator		Zone									
B WORKS APPROVAL				RC AD 20.12.2023												Type		Role		Sheet No.									
A DRAFT WORKS APPROVAL				RC AD 11.12.2023												Rev													
Rev Description				Eng Draft Date				Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com		612 6285 1766 Level 5, 224 Bunda St, Canberra City, ACT 2601						231606-TTW-10-DR-CI-01031-E		11.12.2024		2:41 PM									



LONGITUDINAL SECTION AL-01
SCALES: HORIZONTAL 1:500 VERTICAL 1:100

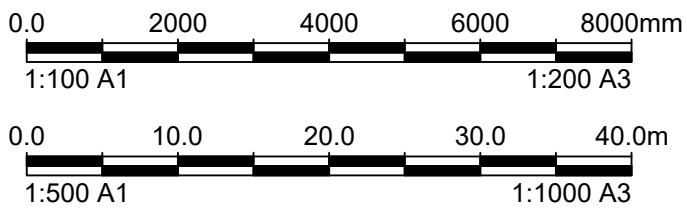


LONGITUDINAL SECTION AL-02
SCALES: HORIZONTAL 1:500 VERTICAL 1:100



LONGITUDINAL SECTION KR-02
SCALES: HORIZONTAL 1:500 VERTICAL 1:100

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D WORKS APPROVAL			RC	AD	21.05.2024				Hassell Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com			TTW Structural Civil Traffic Façade 612 6285 1766 Level 5, 224 Bunda St, Canberra City, ACT 2601			UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600			GEOMETRY ROAD LONGITUDINAL SECTION SHEET 1			AD			CP														
C WORKS APPROVAL			RC	AD	08.02.2024	Project No															Originator			Zone			Type			Role			Sheet No.			Rev		
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A DRAFT WORKS APPROVAL			RC	AD	11.12.2023	11.12.2024 2:42 PM																																
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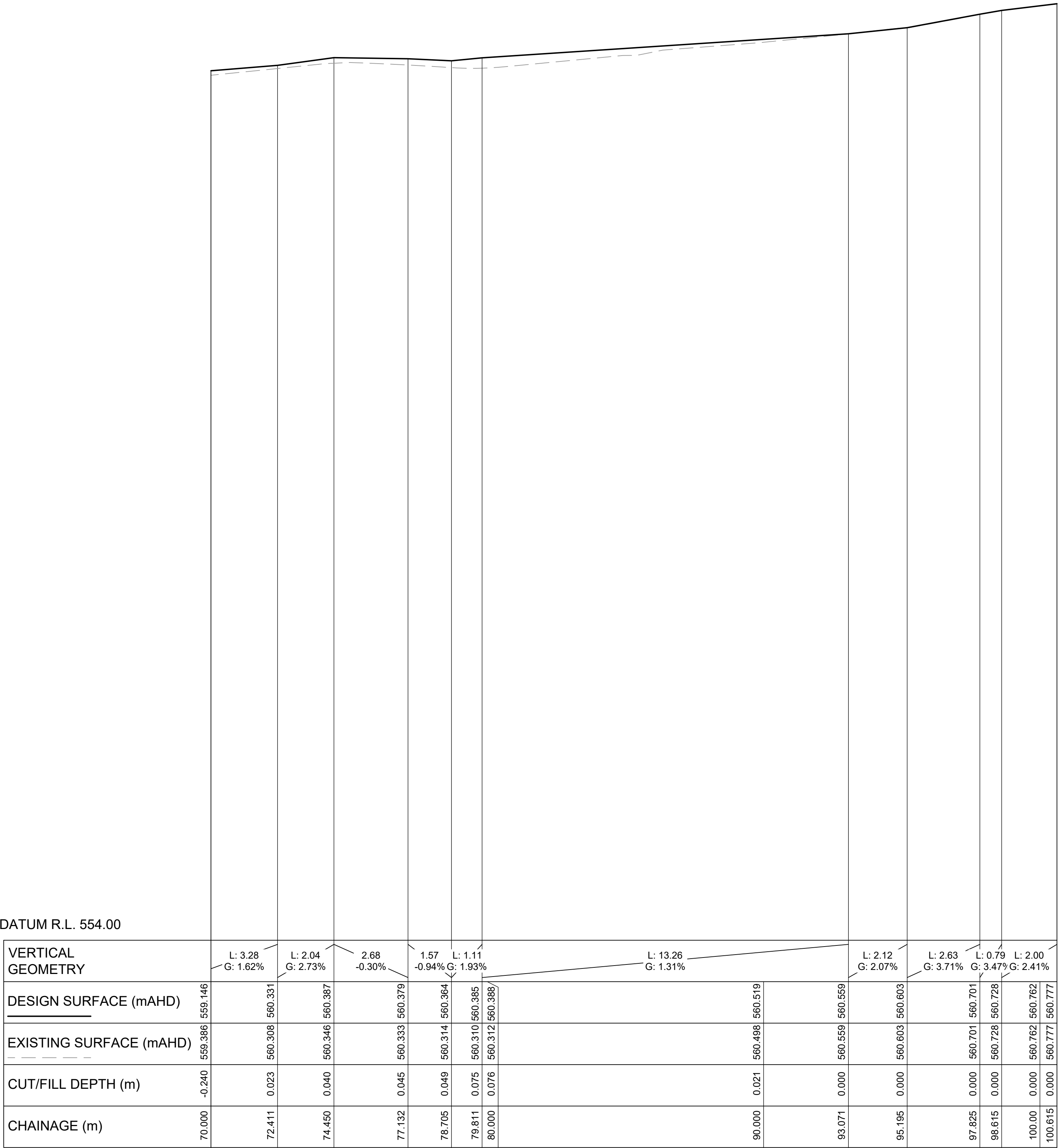
Hassell LTD ABN 24 007 711 435
Level 2, Pier 8/9, 23 Hickson Rd
Sydney NSW 2000 Australia
T +61 2 9101 2000
F +61 2 9101 2100
sydney@hassellstudio.com

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Structural
Civil
Traffic
Façade

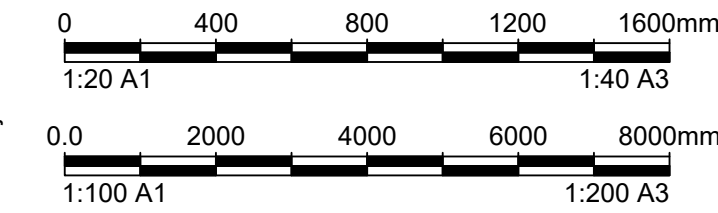
UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

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LONGITUDINAL SECTION KR-01
SCALES: HORIZONTAL 1:100 VERTICAL 1:20

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NOT FOR CONSTRUCTION

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															AD									CP			
															Project No			Originator			Zone			Type			
															Role			Sheet No.			Rev						
A WORKS APPROVAL			RC AD 11.12.2024																								
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date

Hassell

Hassell LTD ABN 24 007 711 435
Level 2, Pier 8/9, 23 Hickson Rd
Sydney NSW 2000 Australia
T +61 2 9101 2000
F +61 2 9101 2100
sydney@hassellstudio.com

TTW

Structural
Civil
Traffic
Façade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

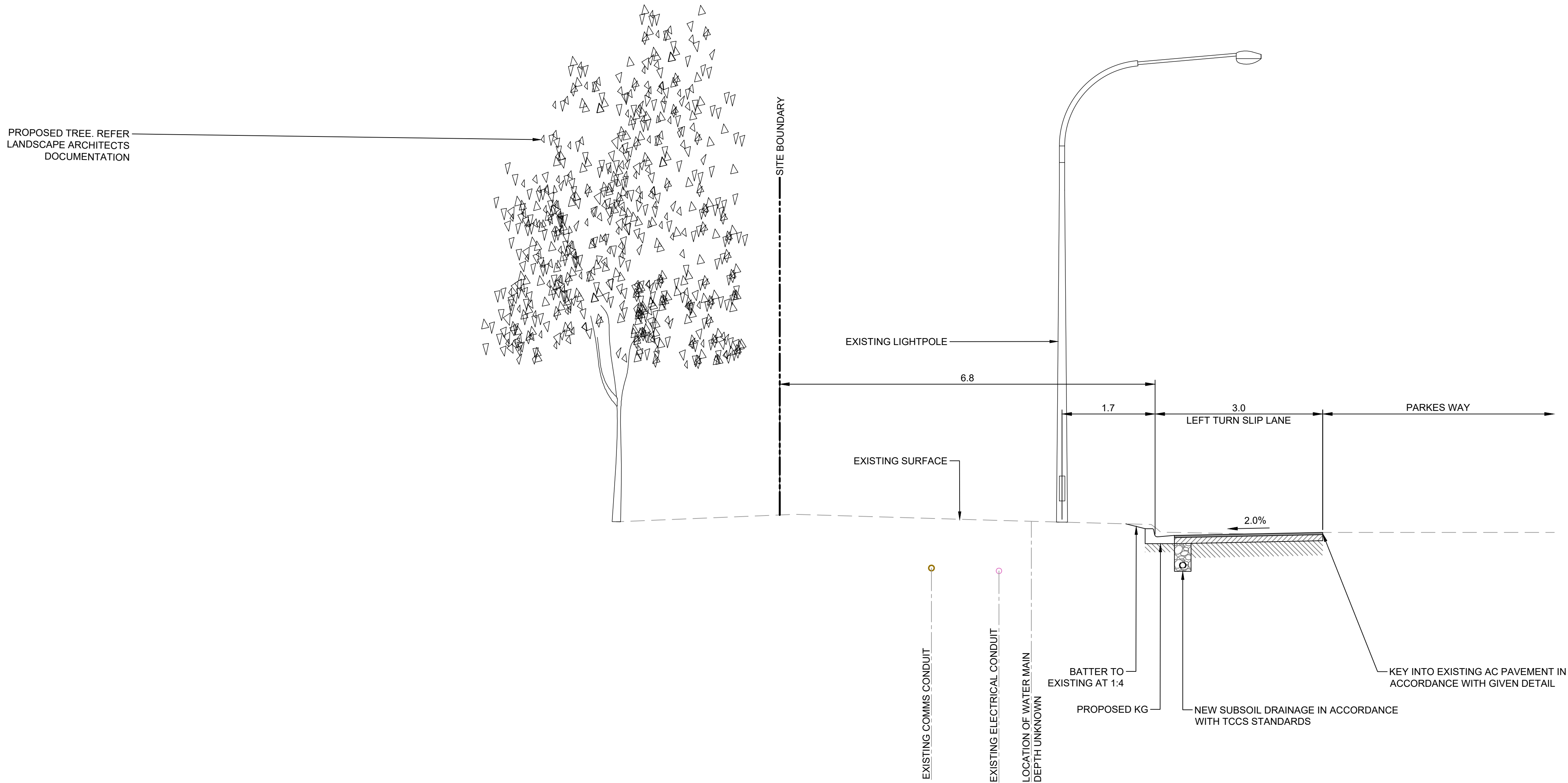
GEOMETRY
ROAD LONGITUDINAL
SECTION
SHEET 2

231606-TTW-10-DR-CI-01033-A
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						Architect:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved											
						Hassell						Structural Civil Traffic Façade			UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600			GEOMETRY TYPICAL SECTIONS SHEET 1			AD			CP														
B WORKS APPROVAL			RC AD 11.12.2024			Hassell LTD ABN 24 007 711 435			612 6285 1766 Level 5, 224 Bunda St, Canberra City, ACT 2601																													
A WORKS APPROVAL			RC AD 21.05.2024			Level 2, Pier 8/9, 23 Hickson Rd																																
						Sydney NSW 2000 Australia																																
						T +61 2 9101 2000																																
						F +61 2 9101 2100																																
						sydney@hassellstudio.com																																
Rev Description			Eng Draft Date			Rev Description			Eng Draft Date			Rev Description			Eng Draft Date			Project No			Originator			Zone			Type			Role			Sheet No.			Rev		

[illegible]



SECTION 3
SCALE 1:50

0.0 1000 2000 3000 4000mm
1:50 A1 1:100 A3

NOT FOR CONSTRUCTION

			Architecture:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved			
												UNSW CANBERRA CITY			AD						CP						
												MAIN WORKS			231606-TTW-10-DR-CI-01043-A												
												BLOCK 12 SECTION 3			SHEET 3												
A WORKS APPROVAL			RC AD 11.12.2024									PARKES, ACT 2600			11.12.2024 2:44 PM												
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Hassell

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Sydney NSW 2000 Australia
T +61 2 9101 2000
F +61 2 9101 2100
sydney@hassellstudio.com

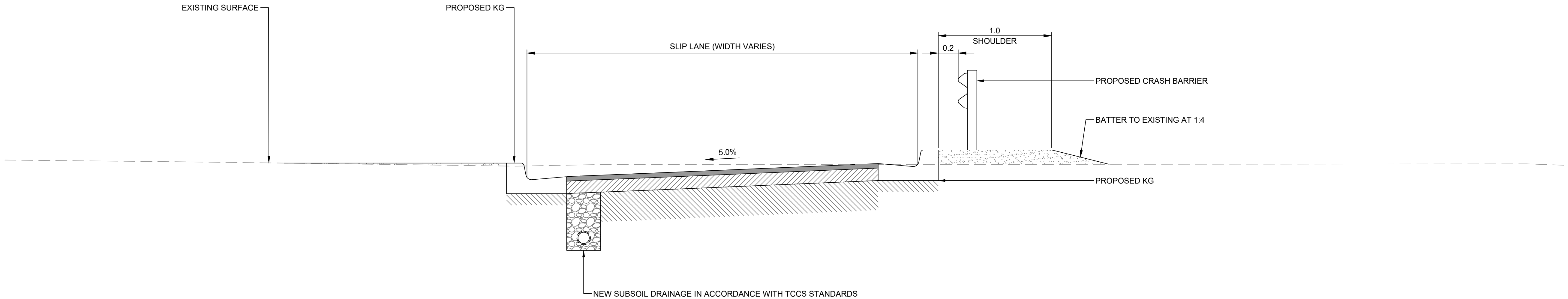
TTW

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

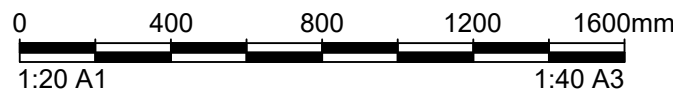
Structural
Civil
Traffic
Façade

UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

GEOMETRY			TYPICAL SECTIONS			SHEET 3		



SECTION 4
SCALE 1:20



NOT FOR CONSTRUCTION

				Architecture:				Engineer:				Project:				Drawing Title:				Scale at A1				Drawn		Designed		Approved	
				Hassell Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com				TTW Structural Civil Traffic Façade 612 6285 1766 Level 5, 224 Bunda St, Canberra City, ACT 2601				UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600				GEOMETRY TYPICAL SECTIONS SHEET 4				AD		CP							
Project No		Originator																		Zone		Type		Role		Sheet No.		Rev	
231606-TTW-10-DR-CI-01044-A																													
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A WORKS APPROVAL				RC AD 11.12.2024																									
Rev		Description		Eng Draft		Date		Rev		Description		Eng Draft		Date		Rev		Description		Eng Draft		Date							

CONCRETE NOTES

1. TYPE 'GP' CEMENT TO BE USED UNLESS OTHERWISE SPECIFIED.
2. ALL CONCRETE SHALL BE SUBJECT TO ASSESSMENT AND TESTING IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND AS 1379.
3. CONCRETE TO BE CONSOLIDATED BY MECHANICAL VIBRATION.
4. ALL CONCRETE SURFACES TO BE CURED FOR A MINIMUM OF 7 DAYS.
5. CONCRETE CHARACTERISTIC COMPRESSIVE STRENGTH TO BE AS DEFINED IN AS 1379.

CONCRETE SPECIFICATION			
LOCATION	f _c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
KERB	(S)25	80	20
VC & OCI	(S)32	80	20
PITS	(N)25	80	20
PEDESTRIAN PAVEMENT	(S)32	80	20
VEHICLE PAVEMENT	(S)32	80	20

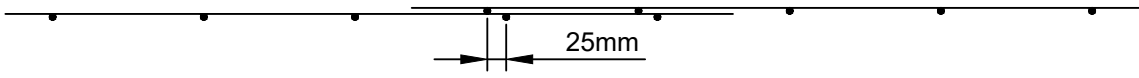
1. EXPOSURE CLASSIFICATION: (A1,A2,B1,B2).
2. THE DESIGN, CERTIFICATION, CONSTRUCTION AND PERFORMANCE OF FORMWORK, FALSEWORK AND BACKPROPPING IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE PROPOSED METHOD OF INSTALLATION AND REMOVAL OF FORMWORK IS TO BE SUBMITTED TO THE **SUPERINTENDENT** FOR COMMENT PRIOR TO WORK BEING CARRIED OUT.
4. REINFORCEMENT TO BE FIXED AS SHOWN ON DRAWINGS.

REINFORCEMENT TYPE AND GRADE		
REINFORCEMENT NOTATION TYPE	DESCRIPTION	GRADE
N	HOT ROLLED RIBBED BAR	D500N
R	PLAIN ROUND BAR	R250N
SL	SQUARE MESH	500L
RL	RECTANGULAR MESH	500L

10. SUPPORTS AND SPACERS TO BE PROVIDED TO ENSURE THE FOLLOWING CONCRETE COVER TO ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

REINFORCEMENT COVER			
	TOP (mm)	BOTTOM (mm)	SIDES (mm)
FOOTINGS	30	50	50
PAVEMENTS	30	50	-
EXPOSED TO WEATHER OR GROUND	50	50	50

11. COVER TO REINFORCEMENT ENDS TO BE 50mm UNLESS OTHERWISE NOMINATED.
12. PROVIDE N12-450 SUPPORT BARS TO TOP REINFORCEMENT AS REQUIRED. TENSION LAP UNLESS OTHERWISE NOMINATED.
13. ALL COGS TO BE STANDARD COGS AS DEFINED IN AS 3600 UNLESS OTHERWISE NOTED.
14. FABRIC END AND SIDE LAPS ARE TO BE PLACED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION TO ACHIEVE FULL TENSILE LAP. FABRIC SHALL BE LAID SO THAT THERE IS A MAXIMUM OF 3 LAYERS AT ANY LOCATION.



FABRIC LAP
SCALE 1:20

15. GAP BETWEEN LAPPED BARS TO BE IN ACCORDANCE WITH AS 3600.

CONCRETE PAVEMENT NOTES

1. ALL EXPOSED CONCRETE PAVEMENTS ARE TO BE BROOM FINISHED UNLESS OTHERWISE NOTED.
2. ALL EDGES OF CONCRETE PAVEMENTS, INCLUDING KEYED AND DOWELLED JOINTS, ARE TO BE FINISHED WITH AN EDGING TOOL.
3. CONCRETE PAVEMENTS WITH GRADES OVER 10% ARE TO BE HEAVILY BROOM FINISHED.
4. CARBORUNDUM TO BE ADDED TO ALL STAIR TREADS AND RAMPED CROSSINGS UNLESS OTHERWISE STATED.

KERB AND PATH NOTES

1. ALL KERB AND PATHS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH RELEVANT INDUSTRY STANDARDS AND SPECIFICATIONS.
2. ALL KERB TYPES TO BE CONSTRUCTED IN ACCORDANCE WITH GIVEN KERBING DETAILS.
3. REFER GIVEN CONCRETE SPECIFICATION TABLE FOR MINIMUM COMPRESSIVE STRENGTHS.
4. EXPANSIONS JOINTS SHALL BE CONSTRUCTED AT THE TANGENT POINTS OF CURVED KERBS AND ELSEWHERE AT 15m SPACINGS ALONG KERB FACE. REFER 03000 SERIES DRAWINGS.
5. WEAKEN PLAIN JOINTS SHALL BE CONSTRUCTED AT VEHICLE CROSSINGS, KERB RAMPS AND ELSEWHERE AT 3.0m SPACINGS ALONG KERB FACE. REFER 03000 SERIES DRAWINGS.
6. EXPANSIONS JOINTS SHALL BE CONSTRUCTED AT SUMPS, MANHOLES, AND UTILITY STRUCTURES ON ALL SIDES ADJACENT TO CONCRETE PAVEMENT.
7. PRAM RAMPS, VEHICLE CROSSINGS AND DRIVEWAYS SHALL BE BRUSH FINISHED (NON-SKID) PARALLEL WITH KERB. U.N.O.
8. PEDESTRIAN PATHS SHALL BE BRUSH FINISHED (NON-SKID) PERPENDICULAR TO KERB U.N.O
9. WHEN PAVEMENT WIDENING OR KERB REPLACEMENT, THE EXISTING PAVEMENT IS TO BE SAWCUT AND BROKEN OUT TO ENABLE NEW PAVEMENT TO BE KEYED INTO EXISTING IN ACCORDANCE WITH GIVEN DETAILS. REFER 03000 SERIES DRAWINGS.
10. ALL CONCRETE TO BE CONTINUOUSLY CURED FOR A MINIMUM OF 7 DAYS.
11. ALL KERB JOINTS TO BE PERPENDICULAR TO KERB AND FINISHED WITH 5mm EDGE TOOL.
12. ALL PATH JOINTS TO BE PERPENDICULAR TO THE PATH EDGE AND FINISHED WITH 5mm EDGE TOOL
13. ALIGN PATH JOINTS WITH ADJACENT KERB OR PAVEMENT JOINTS.
14. COMPACTED SUB-BASE MATERIAL LEVELS SHALL NOT DEVIATE 5mm OVER 3.0m TO ENSURE A SMOOTH SURFACE FINISH.
15. PATH WIDTH SHALL BE MEASURED FROM KERB FACE.

NOTATION LEGEND

	KG		KERB AND GUTTER
	KO		KERB ONLY
	K4A		KERB TYPE 4A
	FK		FLUSH KERB
	MKG		MOUNTABLE KERB AND GUTTER
	MK		MOUNTABLE KERB
	ROCI		REINFORCED OPEN CHANNEL INVERT
	MLBK		MODIFIED LAYBACK KERB
	PK		PERMEABLE KERB

JOINTING LEGEND

	DOWELED EXPANSION JOINT
	EXPANSION JOINT
	SAWN CONTROL JOINT

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E WORKS APPROVAL			RC	AD	11.12.2024							Architecture:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved											
D WORKS APPROVAL			RC	AD	21.05.2024							Hassell			TTW			Structural Civil Traffic Façade			UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600			PAVEMENT NOTES AND LEGEND			AD			RT			CP											
C WORKS APPROVAL			RC	AD	08.02.2024																																							
B WORKS APPROVAL			RC	AD	20.12.2023																																							
A DRAFT WORKS APPROVAL			RC	AD	11.12.2023																																							
Rev Description			Eng	Draft	Date	Rev Description			Eng	Draft	Date	Rev Description			Eng	Draft	Date							Project No			Originator			Zone			Type			Role			Sheet No.			Rev		
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12
33

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CONSTITUTION AVENUE

CORANDERRK STREET

NEW BUILDING
FFL558.800

NEW BUILDING
FFL558.800

HARD LANDSCAPING ZONE. REFER LANDSCAPE ARCHITECT'S DOCUMENTATION (TYPICAL)

SOFT LANDSCAPING ZONE. REFER LANDSCAPE ARCHITECT'S DOCUMENTATION (TYPICAL)

SITE BOUNDARY

FEI 558 100

REINSTATED
RAVEL CARPARK
IN ACCORDANCE
WITH AS2890.1

$$\begin{array}{r} 12 \\ 3 \end{array}$$

— PROVIDE NEW KERB AND GUTTER IN ACCORDANCE WITH GIVEN DETAILS

TRANSITION PROPOSED KERB AND
GLITTER TO EXISTING OVER 2m

PROVIDE SUBURBAN KERB RAMP IN
— ACCORDANCE WITH TCCS STANDARD
DRAWING ACTSD-0516 (TYPICAL)

MOUNTABLE KERB IN ACCORDANCE
WITH GIVEN DETAILS

MATCH NEW CONCRETE PAVEMENT
SMOOTHLY TO EXISTING AC ROAD PAVEMENT

15
3

PROVIDE NEW KERB AND GUTTER. REINSTATE
KERB ONLY AS REQUIRED TO ENSURE A
SMOOTH TRANSITION FROM NEW KERB TO
EXISTING KERB PROFILES AND LEVELS

SITE BOUNDARY

1

PARKES WAY

DEMOLISH AND REMOVE EXISTING AC PAVEMENT
REINSTATE VERGE TREATMENT IN ACCORDANCE
WITH TCCS STANDARDS (TYPICAL)

DEMOLISH AND REMOVE
EXISTING OC

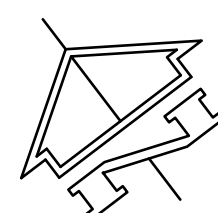
KEY IN NEW AC PAVEMENT IN
ACCORDANCE WITH GIVEN DETAIL

DEMOLISH AND REMOVE EXISTING AC PAVEMENT TO APPROVED DRIVEWAY EXTENT. REINSTATE VERGE TREATMENT IN ACCORDANCE WITH TCCS STANDARDS (TYPICAL)

NEW 2m WIDE REINFORCED
CONCRETE PATH

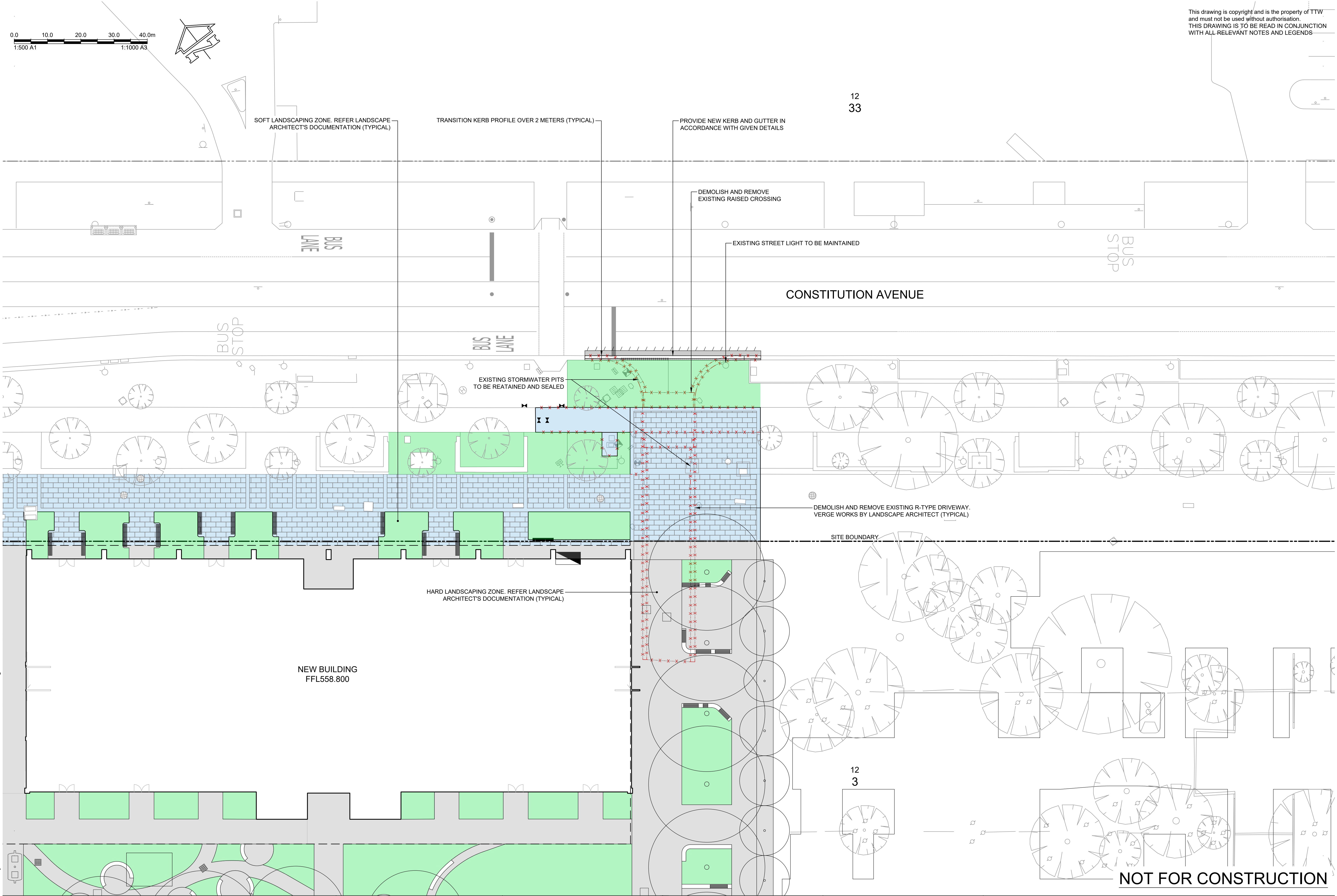
NEW PERMEABLE KERB IN
ACCORDANCE WITH GIVEN DETAILS

3m WIDE SLIP LANE. REFER 07000
SERIES FOR LINE MARKING



NOT FOR CONSTRUCTION

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E	WORKS APPROVAL	RC	AD	11.12.2024			
D	WORKS APPROVAL	RC	AD	21.05.2024			
C	WORKS APPROVAL	RC	AD	08.02.2024			
B	WORKS APPROVAL	RC	AD	20.12.2023			
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023			
Rev	Description	Eng	Draft	Date	Rev	Description	Eng

Architecture:

Hassell

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F +61 2 9101 2100
sydney@hassellstudio.com

Engineer:

TTW **Structural Civil Traffic Façade**

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Project:

**UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600**

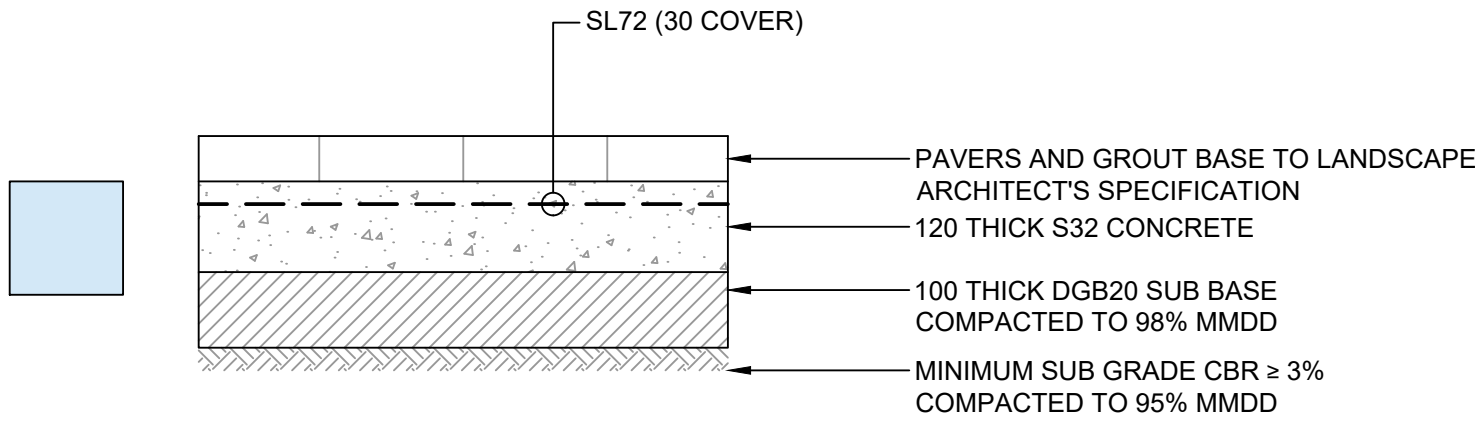
Drawing Title:

**PAVEMENT
PLAN SHEET 2**

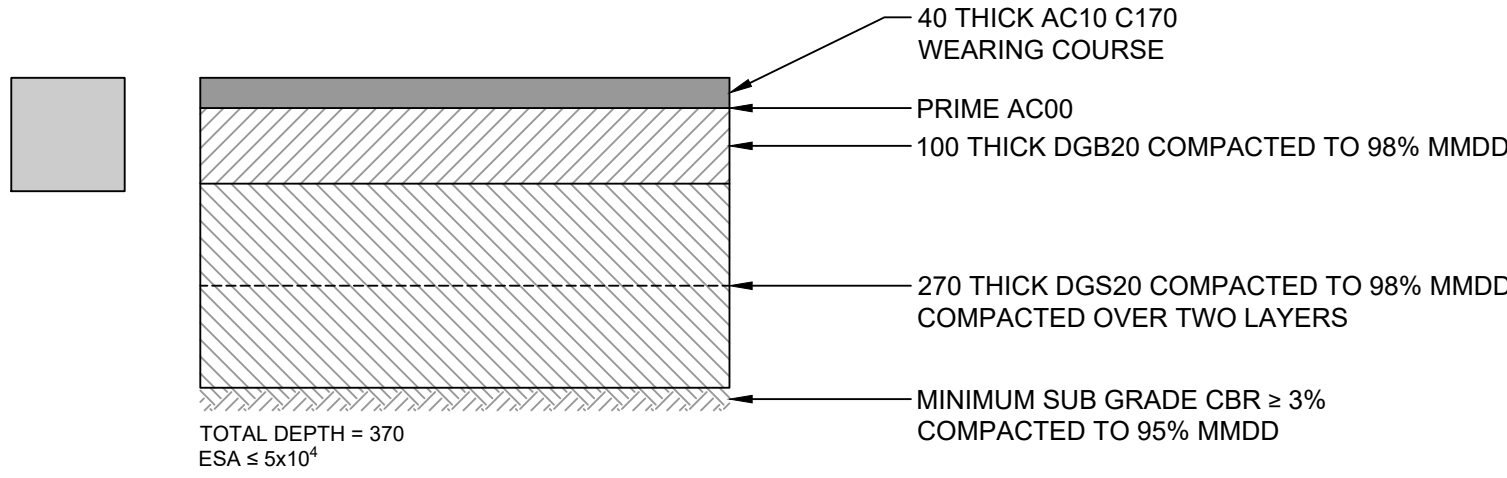
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200	AD	RT	CP
Project No	Originator	Zone	Type
231606-TTW-10-DR-CI-03012-E			
11.12.2024	2:46 PM		

NOT FOR CONSTRUCTION

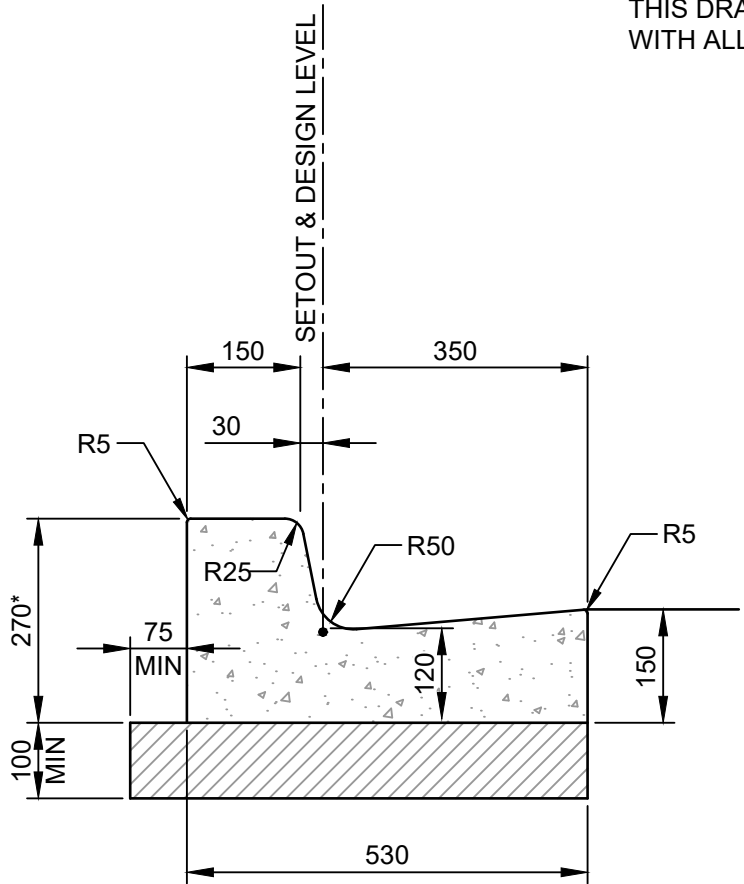
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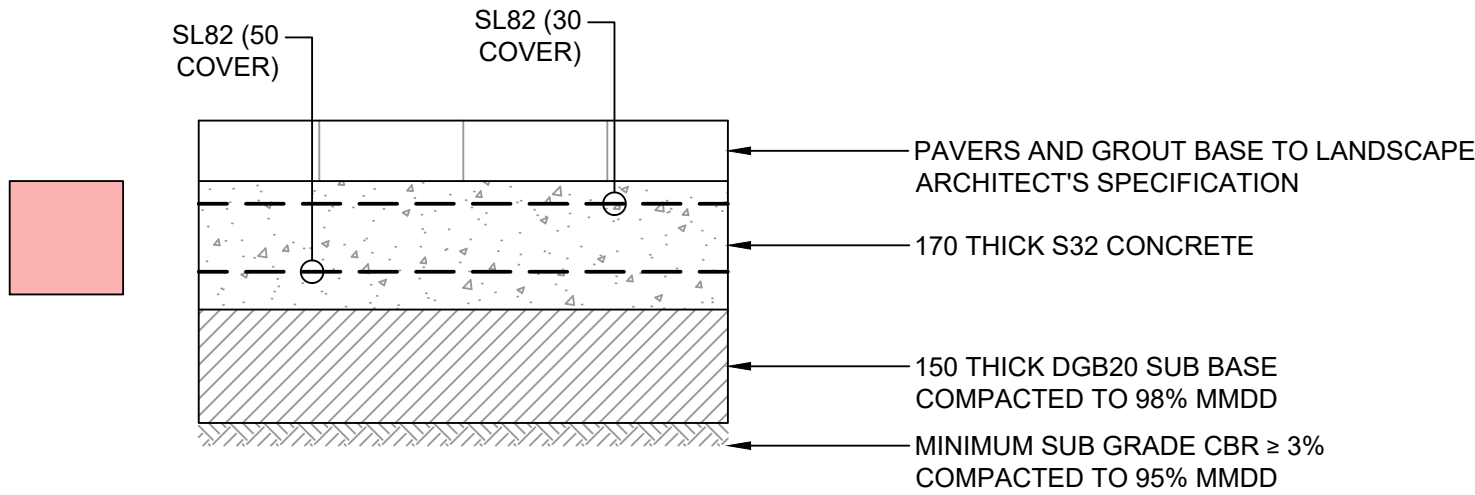
120 THICK REINFORCED CONCRETE PAVEMENT
SCALE 1:10



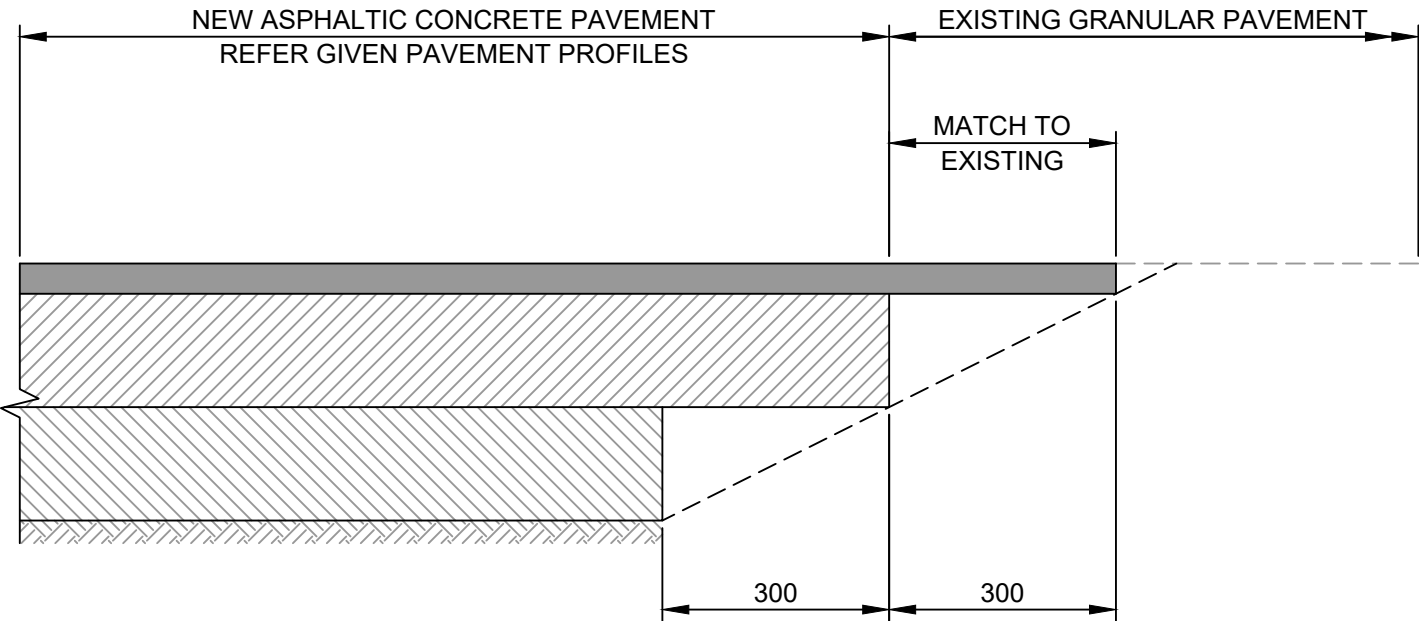
ASPALTIC SLIP LANE PAVEMENT
SCALE 1:10



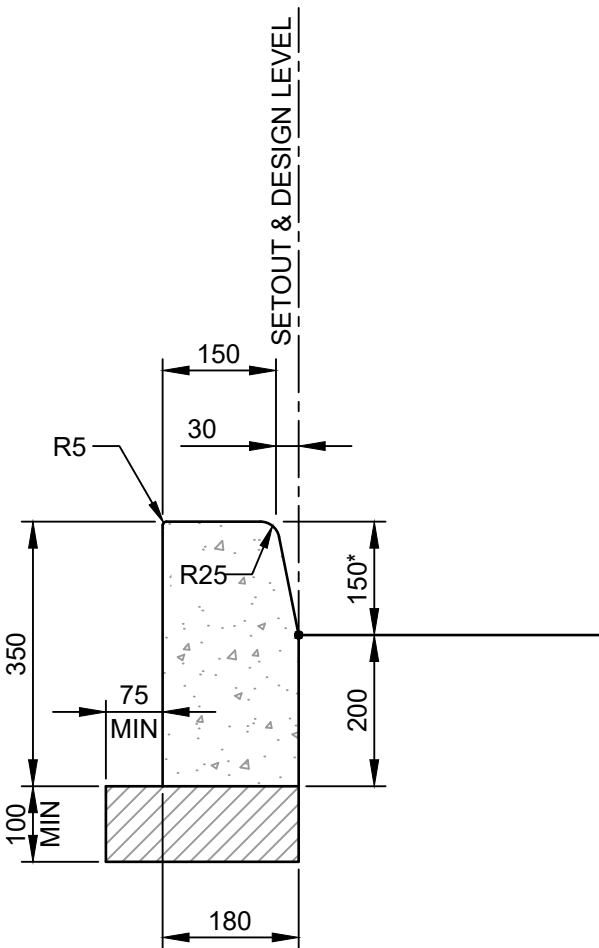
*320 FOR BARRIER KERB AND GUTTER
KERB AND GUTTER (KG)
SCALE 1:10



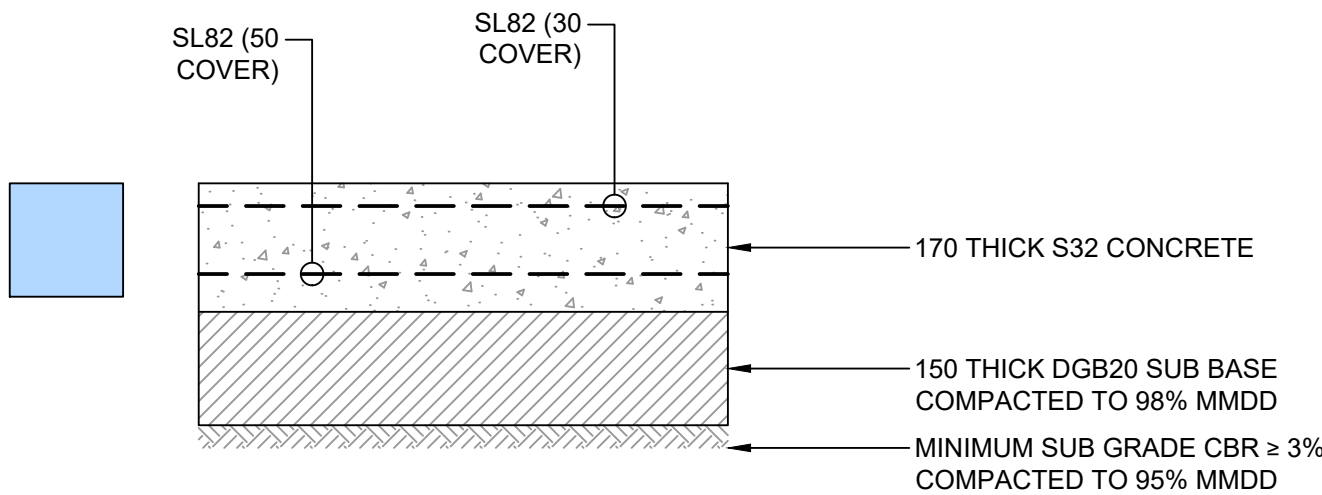
170 THICK REINFORCED CONCRETE PAVEMENT WITH PAVER
SCALE 1:10



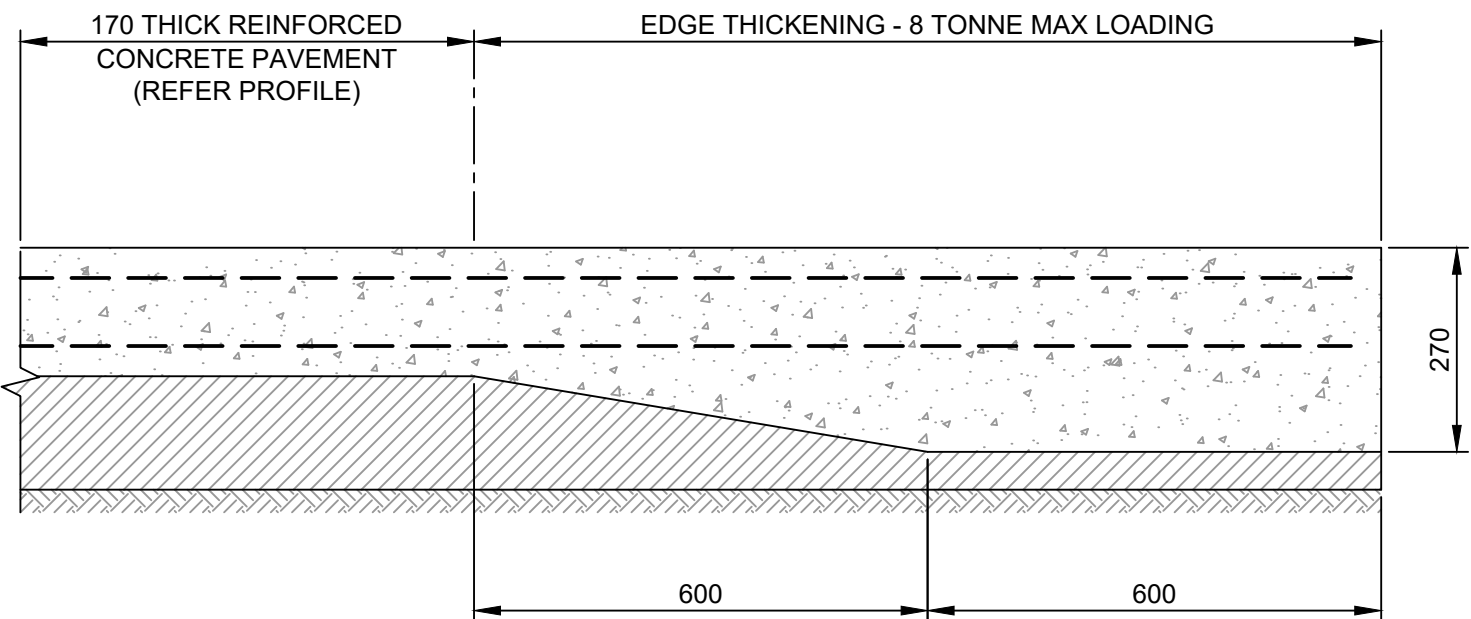
NEW ASPHALTIC CONCRETE PAVEMENT
KEYED INTO EXISTING PAVEMENT DETAIL
SCALE 1:10



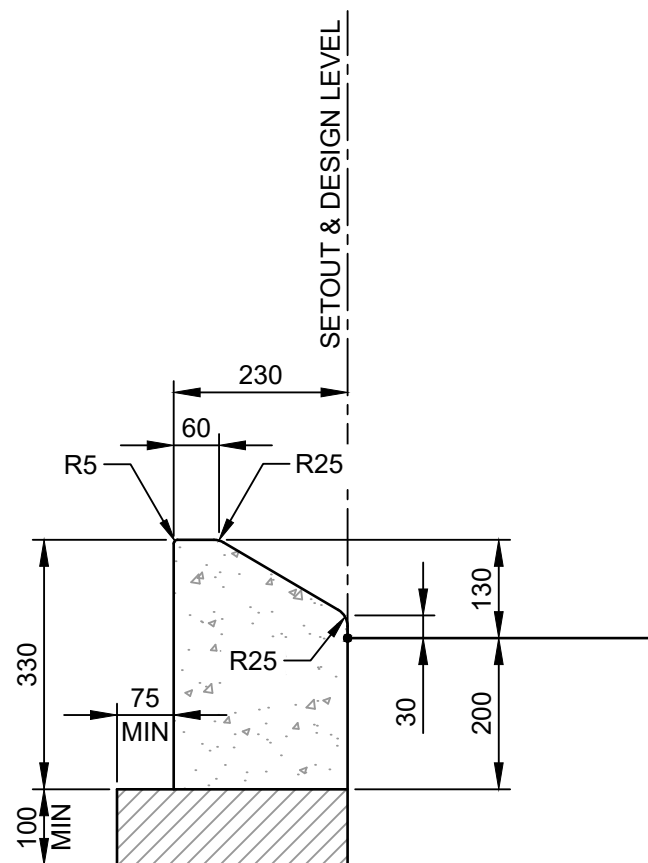
*200 FOR BARRIER KERB AND GUTTER
KERB ONLY (KO)
SCALE 1:10



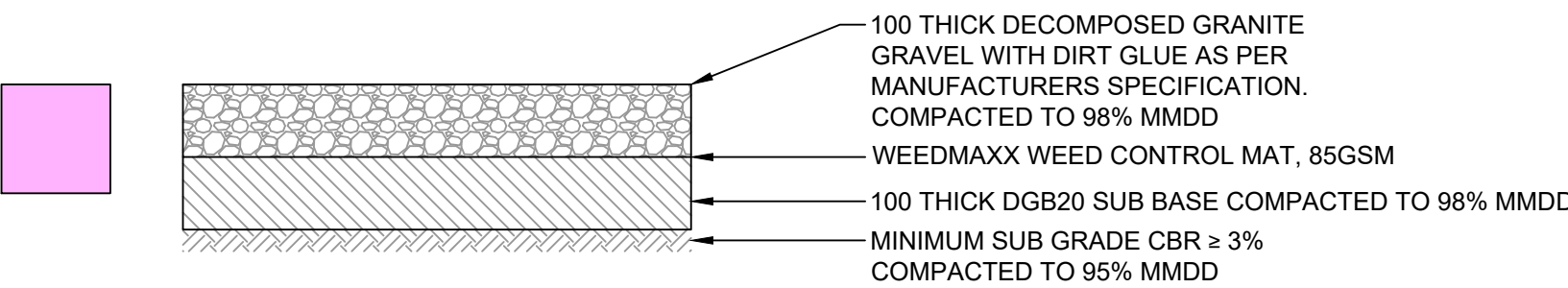
170 THICK REINFORCED CONCRETE PAVEMENT
SCALE 1:10



170 THICK REINFORCED CONCRETE PAVEMENT
EDGE THICKENING - 8 TONNE MAX LOADING
SCALE 1:10



MOUNTABLE KERB (MK)
SCALE 1:10



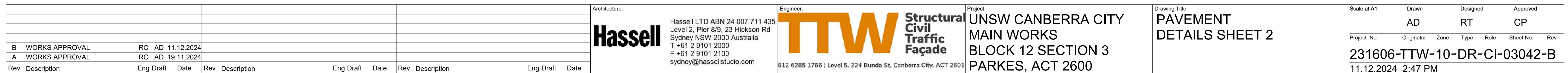
DECOMPOSED GRANITE GRAVEL
SCALE 1:10



NOT FOR CONSTRUCTION

Rev			Description			Eng Draft			Date		
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D	WORKS APPROVAL	RC	AD	21.05.2024							
C	WORKS APPROVAL	RC	AD	08.02.2024							
B	WORKS APPROVAL	RC	AD	20.12.2023							
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023							

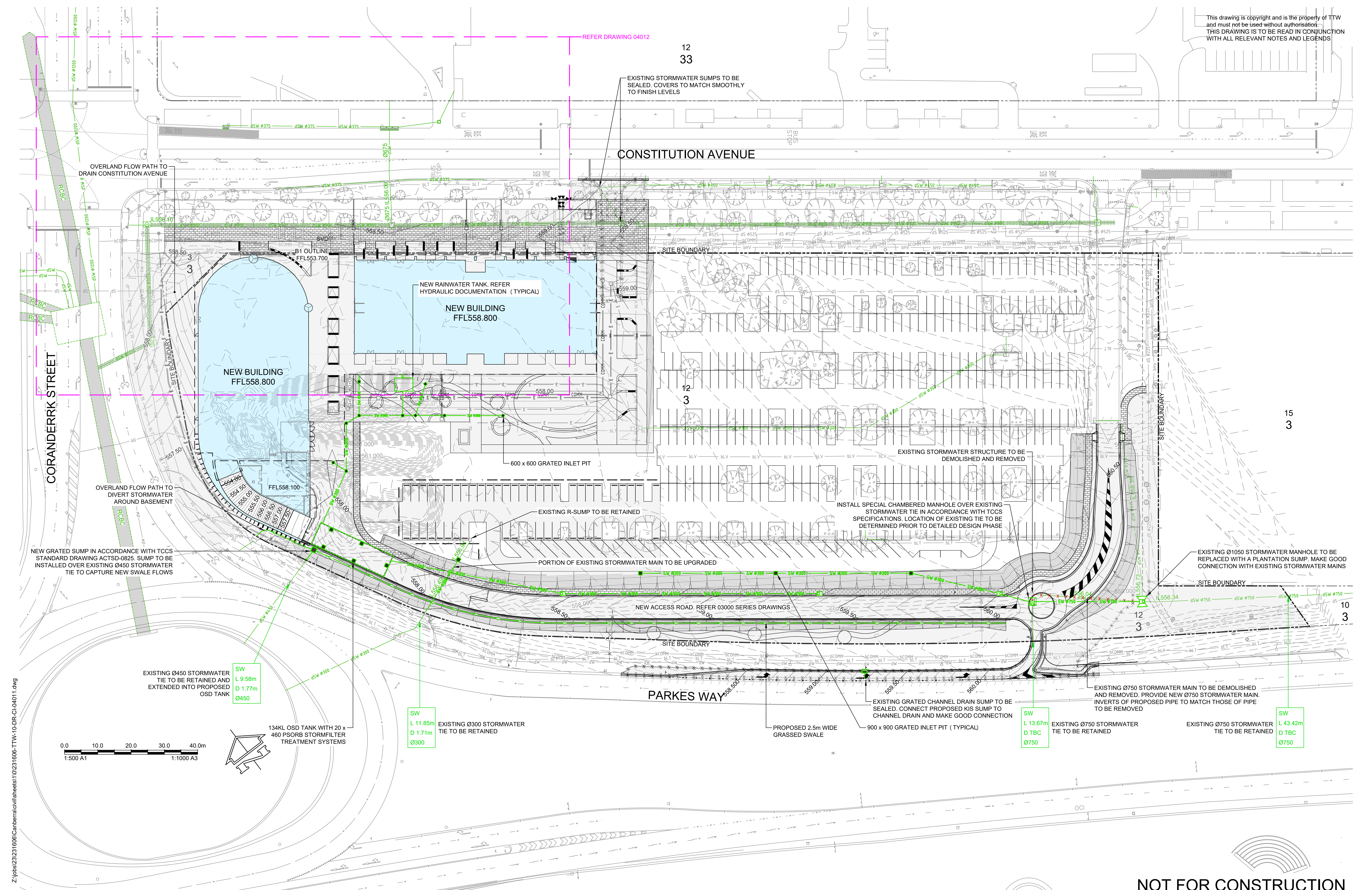
Architecture:	Engineer:	Project:	Drawing Title:	Scale at A1	Drawn	Designed	Approved
Hassell	TTW	UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600	PAVEMENT DETAILS SHEET 1	AD	RT	CP	
Project No				Originator	Zone	Type	Role
231606-TTW-10-DR-CI-03041-E				11.12.2024	2:47 PM		



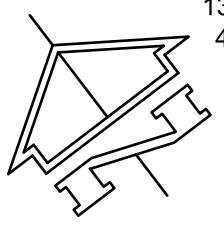
1. ALL STORMWATER DRAINAGE WORKS ARE TO BE COMPLETED IN ACCORDANCE WITH THE RELEVANT STANDARDS AND SPECIFICATIONS OUTLINED IN THE PROJECT SPECIFICATION.
2. PRIOR TO COMMENCING WORK ONSITE THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND SERVICES THROUGH MEANS OF POT-HOLING. DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND CONDITIONS ONSITE SHALL BE REPORTED TO THE **SUPERINTENDENT** PRIOR TO THE COMMENCEMENT OF WORKS.
3. COVER LEVELS OF STORMWATER STRUCTURES ARE PROVISIONAL AND SHALL BE ADJUSTED TO SUIT THE SURROUNDING FINISHED GROUND LEVELS IN ACCORDANCE WITH DRAWINGS AND CONSTRUCTED KERB PROFILES.
4. GRATES AND COVERS FOR STORMWATER STRUCTURES SHALL CONFORM WITH AS 3996 AND AS 1428.1 FOR ACCESS REQUIREMENTS.
5. PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH AS 3725. ALL BEDDING IS TO BE TYPE H2 UNLESS OTHERWISE NOTED.
6. ALL CURVED PIPE ALIGNMENTS ARE TO BE ACHIEVED VIA DEFLECTION THROUGH THE JOINTS BETWEEN PIPES IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
7. ALL STORMWATER PIPES ARE TO BE AT MINIMUM 1% GRADE UNLESS NOTED OTHERWISE.
8. STORMWATER PIPES GREATER THAN 7% SHALL HAVE SCOUR STOPS CONSTRUCTED AT 5m MAXIMUM SPACING.
9. ALL PIPE LENGTH, GRADES AND INVERT LEVELS ARE MEASURED AT THE CENTRE OF STORMWATER STRUCTURES OR FACE OF HEADWALLS UNLESS OTHERWISE NOTED.
10. INVERT LEVELS ARE TO BE USED FOR CONSTRUCTION, GRADES SHOWN ARE NOMINAL ONLY.
11. TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
12. GRADES OF STORMWATER LINES ARE NOT TO BE REDUCED WITHOUT APPROVAL FROM THE **SUPERINTENDENT**.
13. PIPES Ø300 OR LARGER TO BE REINFORCED CONCRETE (RCP) CLASS "2" APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
14. PIPES LESS THAN Ø300 TO BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS UNLESS NOTED OTHERWISE.
15. ANY CHANGES IN MATERIAL MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
16. ALL CONNECTIONS, JUNCTIONS AND ENLARGERS ARE TO BE MADE WITH MANUFACTURER'S FITTINGS.
17. ALL PIPES ARE DESIGNED FOR OPERATIONAL LOADS ONLY. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PROTECT PIPES DURING CONSTRUCTION.
18. THE CONTRACTOR SHALL UNDERTAKE TEMPORARY DIVERSION WORKS TO ENSURE THE EXISTING STORMWATER SYSTEM REMAINS OPERATIONAL DURING CONSTRUCTION.
19. THE CONTRACTOR SHALL UNDERTAKE TEMPORARY DIVERSION WORKS TO ENSURE ALL WORK IN PROGRESS IS PROTECTED UNTIL DEEMED FINISHED BY THE **SUPERINTENDENT**.
20. WORKS AS EXECUTED DOCUMENTATION IS THE RESPONSIBILITY OF THE CONTRACTOR UNLESS AGREED OTHERWISE.

Scale at A1	Drawn	Designed	Approved			
	AD	RT	CP			
Project No	Originator	Zone	Type	Role	Sheet No.	Rev
231606-TTW-10-DR-CI-04002-E						
11.12.2024 2:48 PM						

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E	WORKS APPROVAL	RC	AD	11.12.2024			
D	WORKS APPROVAL	RC	AD	21.05.2024			
C	WORKS APPROVAL	RC	AD	08.02.2024			
B	WORKS APPROVAL	RC	AD	20.12.2023			
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023			
Rev	Description	Eng	Draft	Date	Rev	Description	Eng

Architecture:

Hassell

Hassell LTD ABN 24 007 711 435
Level 2, Pier 8/9, 23 Hickson Rd
Sydney NSW 2000 Australia
T +61 2 9101 2000
F +61 2 9101 2100
sydney@hassellstudio.com

Engineer:

TTW **Structural**
Civil
Traffic
Facade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Project:

UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

Drawing Title:

STORMWATER
AND SUBSOIL DRAINAGE
PLAN SHEET 1

Scale at A1

500

Project No

231606-TTW-10-DR-CI-04011-E

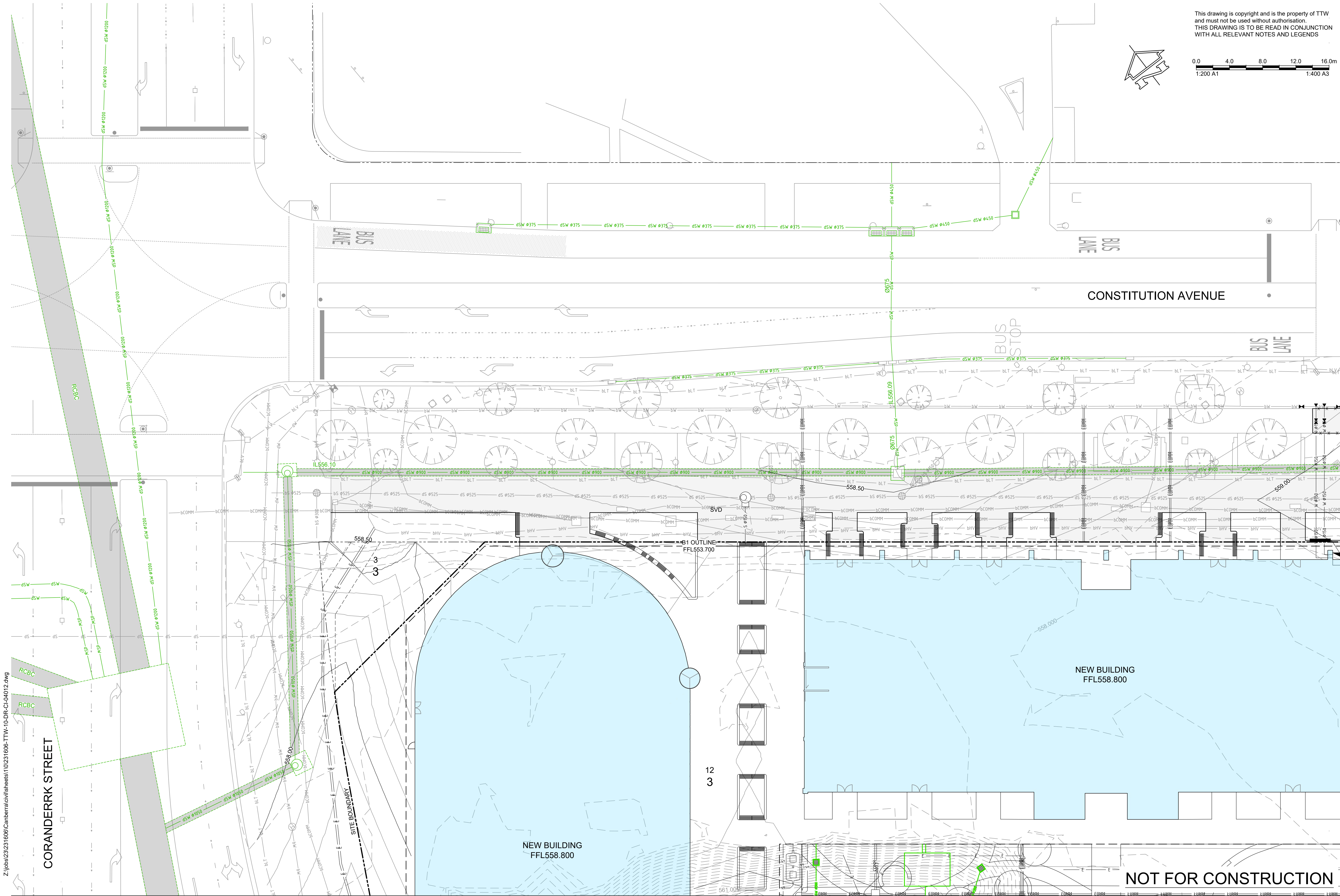
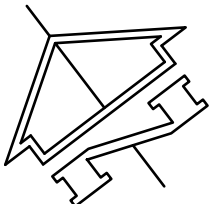
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Drawn	AD	Designed	RT	Approved	CP
Originator	Zone	Type	Role	Sheet No.	Rev

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0.0 4.0 8.0 12.0 16.0m
1:200 A1 1:400 A3



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CORANDERRK STREET

RCBC

RCBC

Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
B	WORKS APPROVAL	RC	AD	11.12.2024										
A	WORKS APPROVAL	RC	AD	21.05.2024										

Architecture:

Hassell

Hassell LTD ABN 24 007 711 435
Level 2, Pier 8/9, 23 Hickson Rd
Sydney NSW 2000 Australia
T +61 2 9101 2000
F +61 2 9101 2100
sydney@hassellstudio.com

Engineer:

TTW

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

**Structural
Civil
Traffic
Façade**

Project:

UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

Drawing Title:

STORMWATER
AND SUBSOIL DRAINAGE
PLAN SHEET 2

Scale at A1

500

Project No

231606-TTW-10-DR-CI-04012-B

12.12.2024 1:43 PM

Drawn

AD

Originator

12.12.2024

Designed

RT

Zone

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Approved

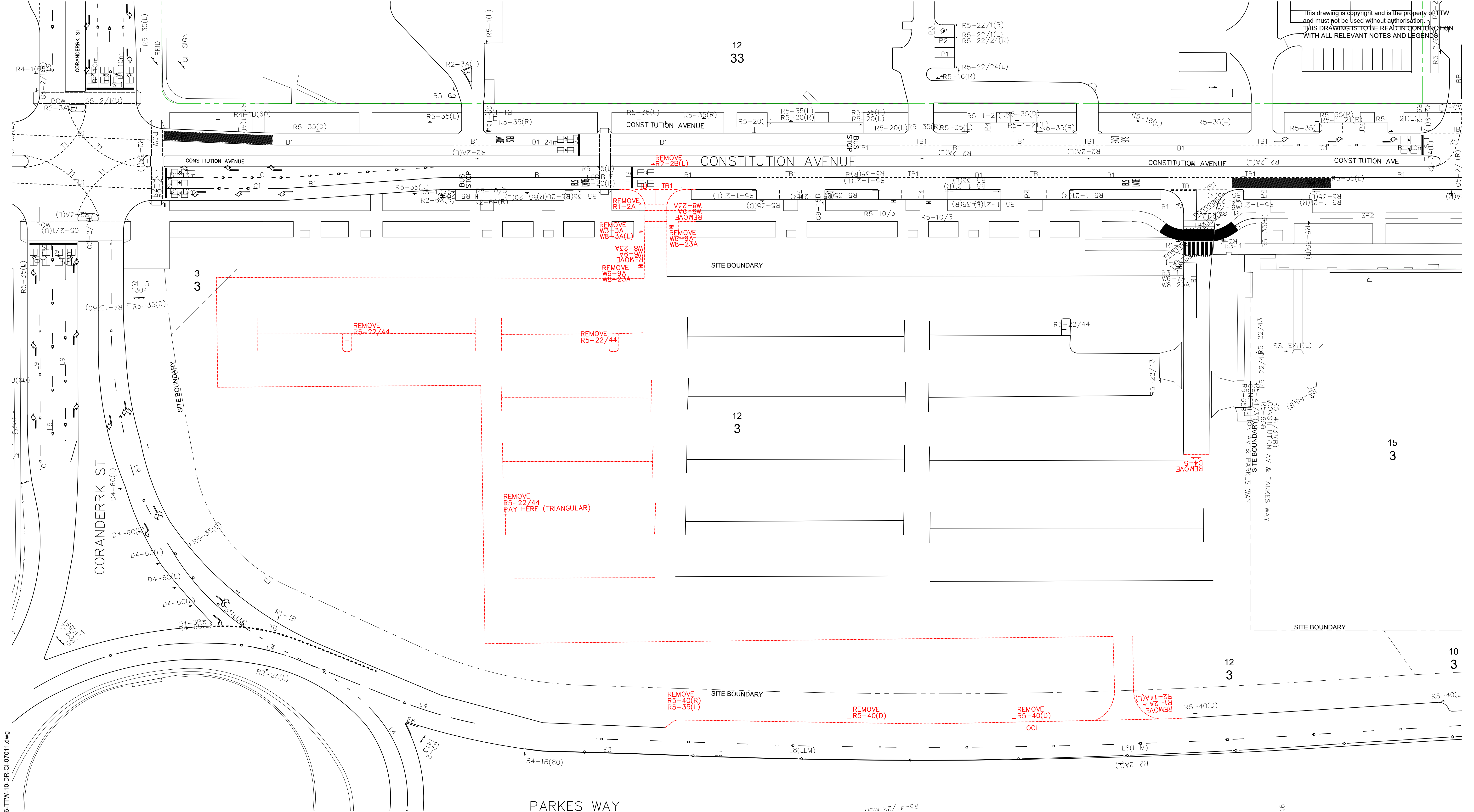
CP

Type

Role

Sheet No.

NOT FOR CONSTRUCTION



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WORK AS EXECUTED
DRAWING AMENDED IN ACCORDANCE
WITH ADVICE FROM
DATE:
CONSULTANT
TTW
NAME: ROSS MCDUGALL
SIGNATURE:
DATE:

DESIGN AGENT
RECOMMENDED FOR AUTHORISATION
DRAWING NAME
TCD PLAN
REMOVAL
SCALE:
1:200

OFFICE OF A.C.T.
AUTHORISED PURSUANT TO PART V
of Road Transport (Safety and
Traffic Management) ACT 1999
AUTHORISING SIGNATURE
DATE:
DOCUMENT NUMBER

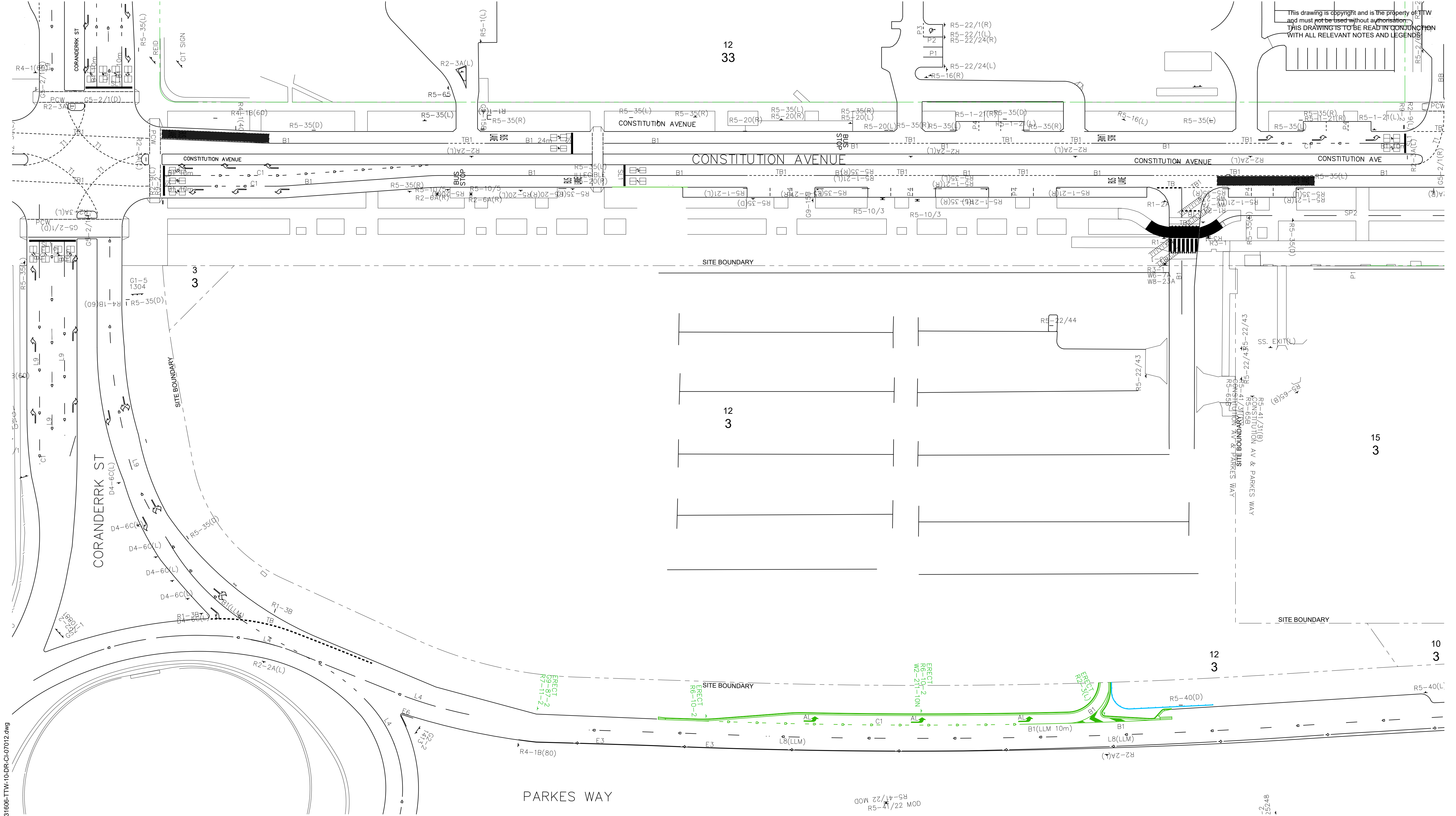
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SIGNS TO BE REMOVED		
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R2-2A(L)	ONE WAY	1
R2-2B(L)	ONE WAY	1
W3-3A	TRAFFIC SIGNALS AHEAD	1
W8-3A(L)	ON SIDE ROAD	1
W6-9A	SHARED ZONE	4
W8-23A	CROSSING ARROWS	4

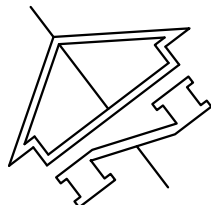
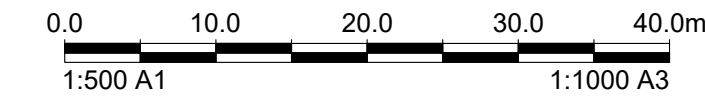
SIGNS TO BE REMOVED		
SIGN CODE	DESCRIPTION	No.
R2-14A(L)	LEFT TURN ONLY	1
R5-22/44	PAY PARKING	3
D4-5	OBSTRUCTION MARKER	1
R5-40(R)	NO PARKING	1
R5-40(D)	NO PARKING	2
R5-35(L)	NO STOPPING	1
R2-14A(L)	LEFT TURN ONLY	1

NOT FOR CONSTRUCTION

								Architecture:				Engineer:				Project:				Drawing Title:				Scale at A1		Drawn		Designed		Approved											
D	WORKS APPROVAL			RC	AD	11.12.2024		Hassell Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com				TTW 612 6285 1766 Level 5, 224 Bunda St, Canberra City, ACT 2601				Structural Civil Traffic Façade				UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600				TRAFFIC CONTROL DEVICES - PLAN REMOVAL PUBLIC				500		AD		RT		CP							
C	WORKS APPROVAL			RC	AD	08.02.2024																						Project No		Originator		Zone		Type		Role		Sheet No.		Rev	
B	WORKS APPROVAL			RC	AD	20.12.2023																						231606-TTW-10-DR-CI-07011-D													
A	DRAFT WORKS APPROVAL			RC	AD	11.12.2023																						12.12.2024		1:42 PM											
Rev	Description			Eng	Draft	Date		Rev	Description			Eng	Draft	Date		Rev	Description			Eng	Draft	Date																			



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WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM	RECOMMENDED FOR AUTHORISATION	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
DATE:		AUTHORISING SIGNATURE
CONSULTANT	DRAWING NAME	DATE:
TTW	TCD PLAN	
NAME	REMOVAL	DOCUMENT NUMBER
ROSS MCDUGALL		
SIGNATURE	SCALE:	
DATE:	1:200	

SIGNS TO BE ERECTED		
SIGN CODE	DESCRIPTION	No.
R6-10-2	TRUCKS PROHIBITED	3
G9-87-2	ADVANCED VEHICLE PROHIBITION	1
R7-11-2	CROSSING ARROW (L)	1
W2-211-10N	REDUCE SPEED + CURVE LEFT + SPEED ADVISORY (20km/h)	1
R2-3(L)	KEEP LEFT	1

NOT FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
D	WORKS APPROVAL	RC	AD	11.12.2024					
C	WORKS APPROVAL	RC	AD	08.02.2024					
B	WORKS APPROVAL	RC	AD	20.12.2023					
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023					

Architecture:
Hassell
Hassell LTD ABN 24 007 711 435
Level 2, Pier 8/9, 23 Hickson Rd
Sydney NSW 2000 Australia
T +61 2 9101 2000
F +61 2 9101 2100
sydney@hassellstudio.com

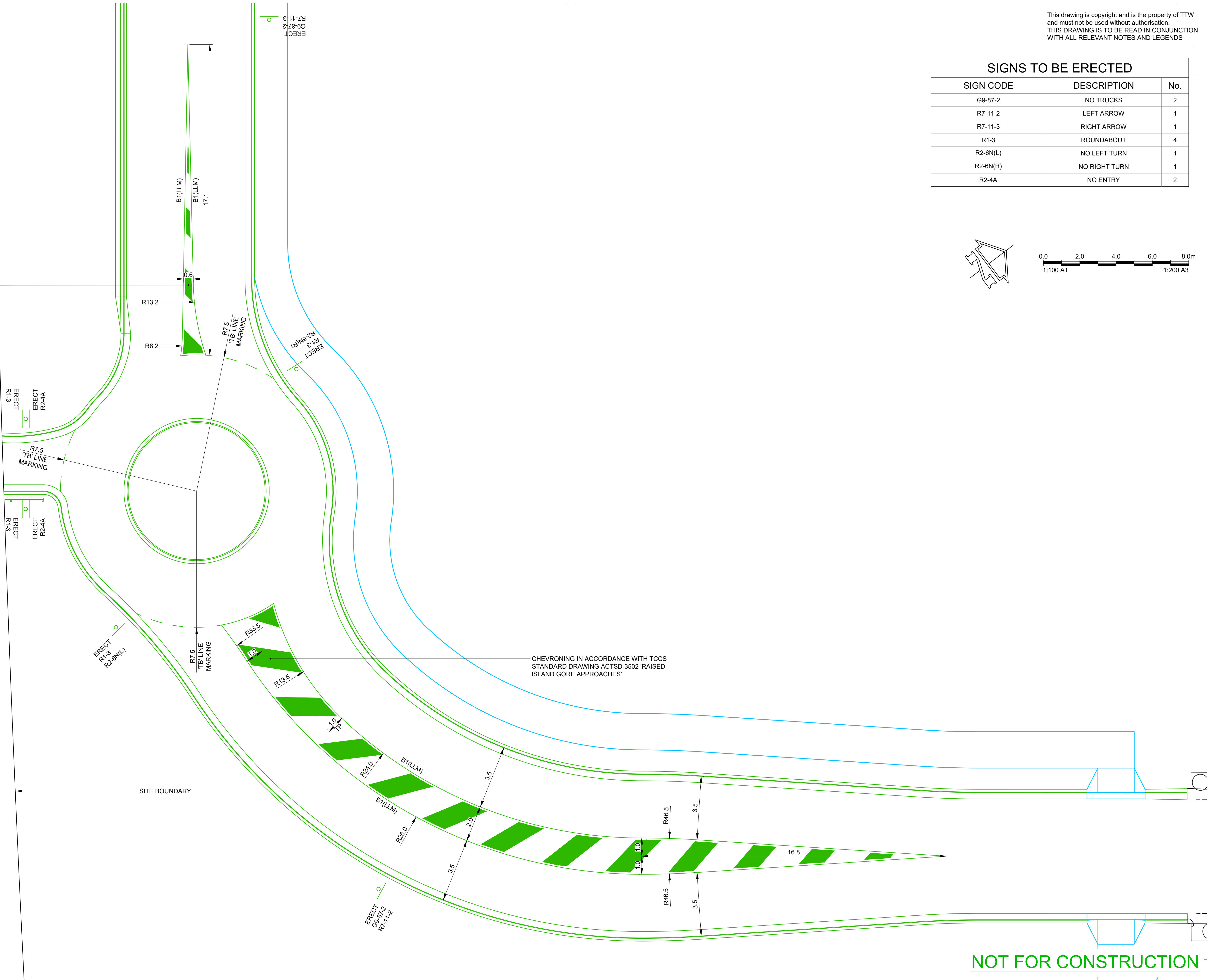
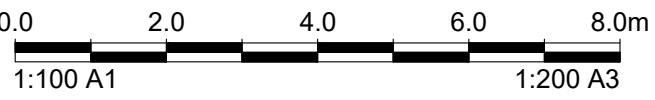
Engineer:
TTW **Structural Civil Traffic Façade**
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Project:
UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

Drawing Title:
TRAFFIC CONTROL
DEVICES - PLAN PROPOSED
PUBLIC

Scale at A1	Drawn	Designed	Approved		
500	AD	RT	CP		
Project No	Originator	Zone	Role	Sheet No.	Rev
231606-TTW-10-DR-CI-07012-D					
12.12.2024	1:42 PM				

SIGNS TO BE ERECTED		
SIGN CODE	DESCRIPTION	No.
G9-87-2	NO TRUCKS	2
R7-11-2	LEFT ARROW	1
R7-11-3	RIGHT ARROW	1
R1-3	ROUNDABOUT	4
R2-6N(L)	NO LEFT TURN	1
R2-6N(R)	NO RIGHT TURN	1
R2-4A	NO ENTRY	2



NOT FOR CONSTRUCTION -

						Architecture:			Engineer:			Project:			Drawing Title:			Scale at A1		Drawn		Designed		Approved											
												UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600			TRAFFIC CONTROL DEVICES - PLAN PROPOSED PRIVATE			500		AD		RT		CP											
						Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com			612 6285 1766 Level 5, 224 Bunda St, Canberra City, ACT 2601									231606-TTW-10-DR-CI-07022-A																	
A WORKS APPROVAL						RC AD 11.12.2024																													
Rev		Description		Eng Draft		Date		Rev		Description		Eng Draft		Date		Rev		Description		Eng Draft		Date		Project No		Originator		Zone		Role		Sheet No.		Rev	
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TEMPORARY SIGNS



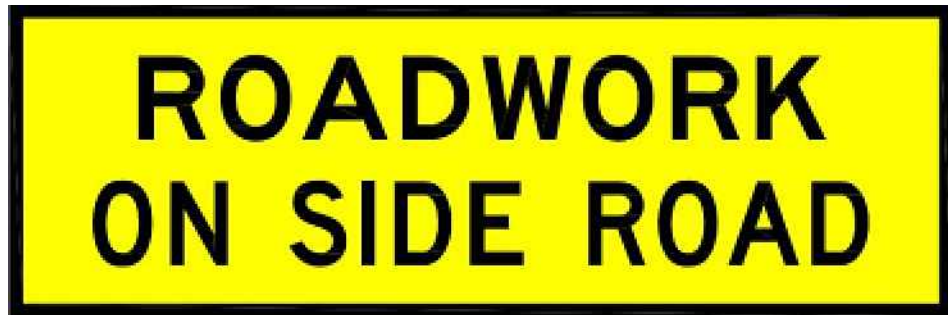
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SIGN CODE: T1-23



SIGN CODE: T1-25



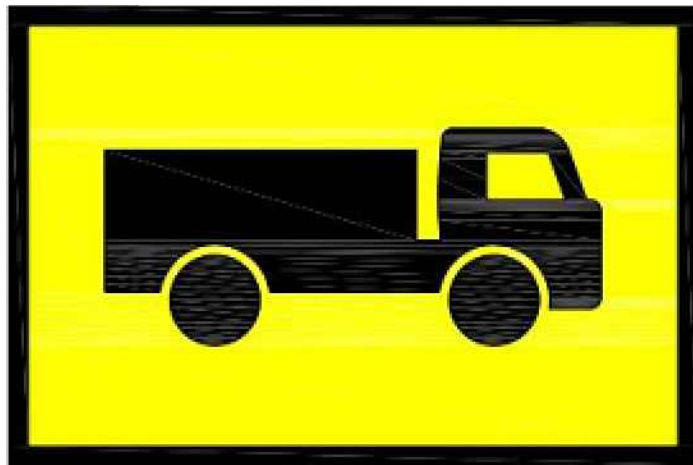
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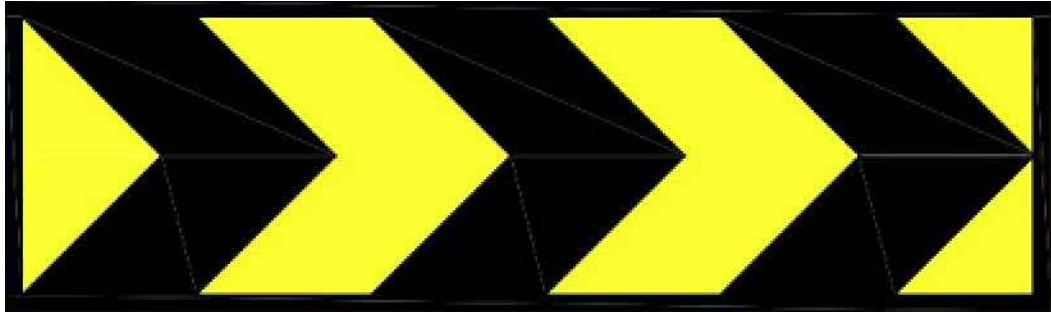
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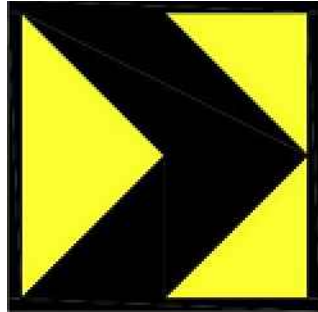
SIGN CODE: T2-16



SIGN CODE: T2-25



SIGN CODE:
T5-4



SIGN CODE:
T5-4



SIGN CODE: T8-1



SIGN CODE: T8-2(L)



SIGN CODE: T8-2(R)



SIGN CODE: T8-3



SIGN CODE: T8-4

NOT FOR CONSTRUCTION

E WORKS APPROVALRC AD 11.12.2024									Architecture:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved								
D WORKS APPROVALRC AD 21.05.2024						Hassell Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com			TTW Structural Civil Traffic Façade 612 6285 1766 Level 5, 224 Bunda St, Canberra City, ACT 2601			UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600			TEMPORARY TRAFFIC MANAGEMENT NOTES AND LEGEND SHEET 1			231606-TTW-10-DR-CI-08001-E 11.12.2024 2:54 PM			AD			RT			CP											
C WORKS APPROVALRC AD 08.02.2024																																						
B WORKS APPROVALRC AD 20.12.2023																																						
A DRAFT WORKS APPROVALRC AD 11.12.2023																																						
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date										Project No	Originator	Zone	Type	Role	Sheet No.	Rev											

REGULATORY SIGNS



SIGN CODE:
R1-1



SIGN CODE:
R1-2



SIGN CODE:
R2-4N



SIGN CODE:
R2-10



SIGN CODE:
R2-14(L)



SIGN CODE:
R2-14(R)



SIGN CODE:
R4-212N



SIGN CODE:
R6-6N(R)



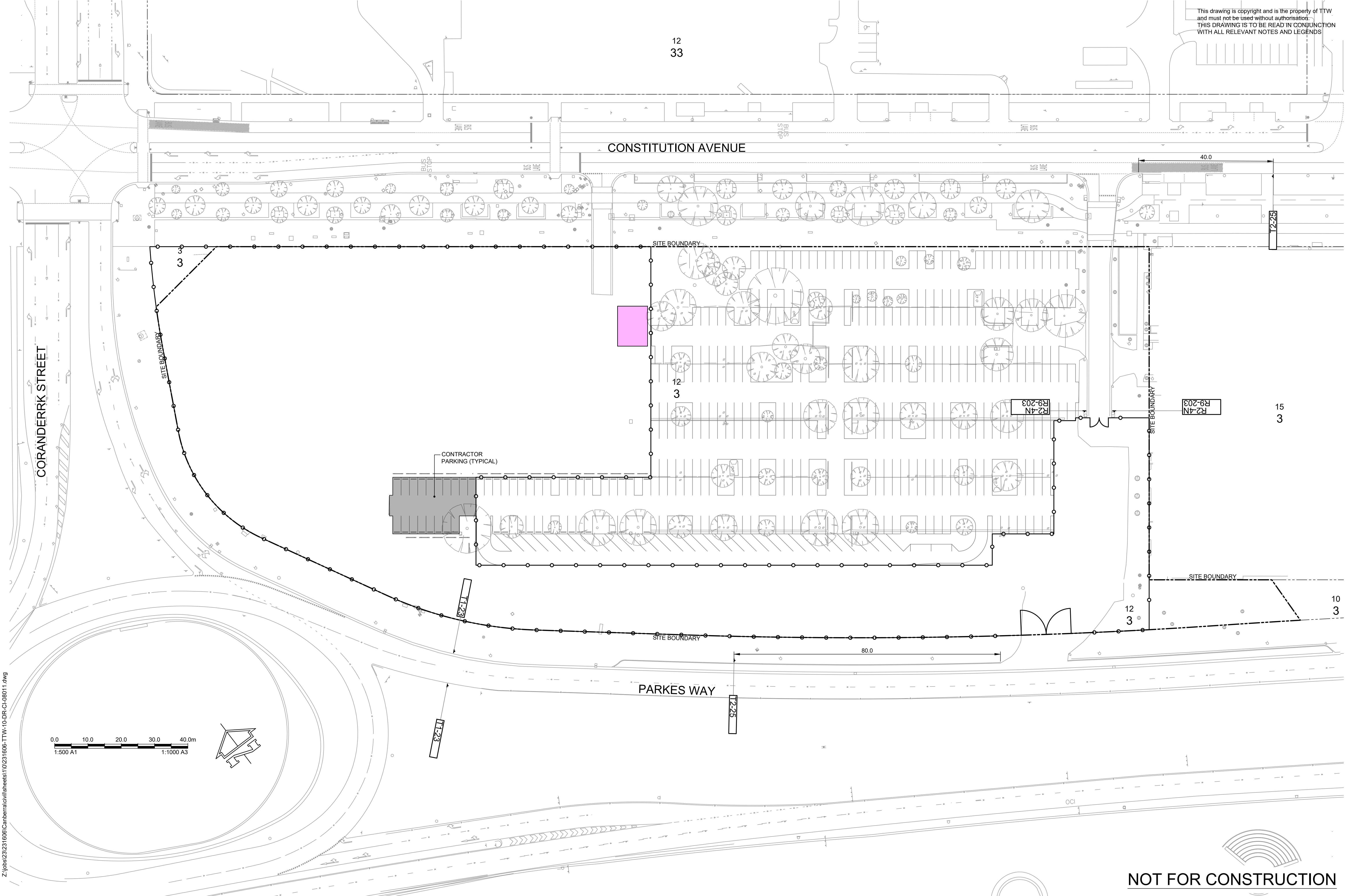
SIGN CODE:
R9-4



SIGN CODE:
R9-203

NOT FOR CONSTRUCTION

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D WORKS APPROVALRC AD 21.05.2024										ADRTCP									
C WORKS APPROVALRC AD 08.02.2024										Project NoOriginatorZoneTypeRoleSheet No. Rev									
B WORKS APPROVALRC AD 20.12.2023										231606-TTW-10-DR-CI-08002-E									
A DRAFT WORKS APPROVALRC AD 11.12.2023										11.12.2024 2:55 PM									
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date				



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F	WORKS APPROVAL	RC	AD	21.05.2024			
E	WORKS APPROVAL	RC	AD	15.04.2024			
D	WORKS APPROVAL	RC	AD	12.04.2024			
C	WORKS APPROVAL	RC	AD	08.02.2024			
B	WORKS APPROVAL	RC	AD	20.12.2023			
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023	G	WORKS APPROVAL	RC AD 11.12.2024
Rev	Description	Eng	Draft	Date	Rev	Description	Eng Draft Date

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Engineer:

TTW **Structural Civil Traffic Façade**

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Project:

**UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600**

Drawing Title:

**TEMPORARY TRAFFIC
MANAGEMENT - PLAN**

Scale at A1

500

Drawn AD

Designed RT

Approved CP

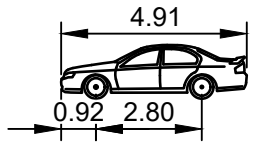
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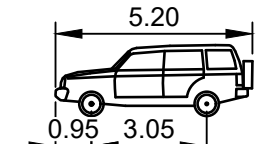
NOT FOR CONSTRUCTION

B85 VEHICLE
(85th PERCENTILE VEHICLE)



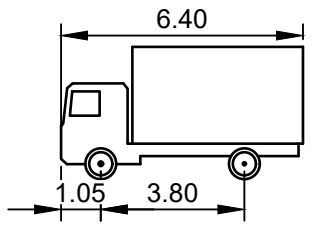
300mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 1.870m
OVERALL BODY HEIGHT 1.421m
MINIMUM BODY GROUND CLEARANCE 0.159m
TRACK WIDTH 1.770m
KERB-TO-KERB TURNING RADIUS 5.750m

B99 VEHICLE
(99.8th PERCENTILE VEHICLE)



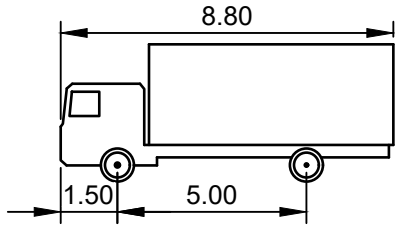
300mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 1.940m
OVERALL BODY HEIGHT 1.878m
MINIMUM BODY GROUND CLEARANCE 0.272m
TRACK WIDTH 1.840m
KERB-TO-KERB TURNING RADIUS 6.250m

SRV - SMALL RIGID VEHICLE



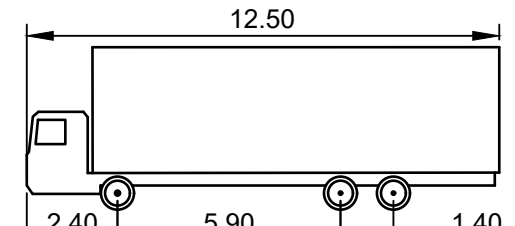
600mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 2.330m
OVERALL BODY HEIGHT 3.500m
MINIMUM BODY GROUND CLEARANCE 0.398m
TRACK WIDTH 2.330m
KERB-TO-KERB TURNING RADIUS 7.100m

MRV - MEDIUM RIGID VEHICLE



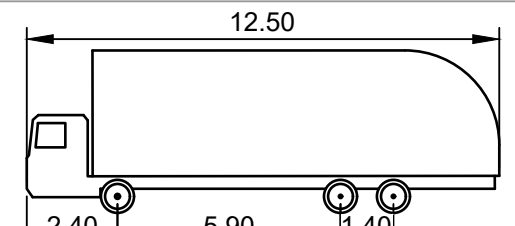
600mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 2.500m
OVERALL BODY HEIGHT 3.633m
MINIMUM BODY GROUND CLEARANCE 0.428m
TRACK WIDTH 2.500m
KERB-TO-KERB TURNING RADIUS 10.000m

HRV - HEAVY RIGID VEHICLE



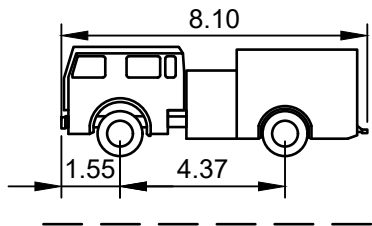
600mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 2.500m
OVERALL BODY HEIGHT 4.300m
MINIMUM BODY GROUND CLEARANCE 0.417m
TRACK WIDTH 2.500m
KERB-TO-KERB TURNING RADIUS 12.500m

HRV - HEAVY RIGID
VEHICLE (ACT WASTE)



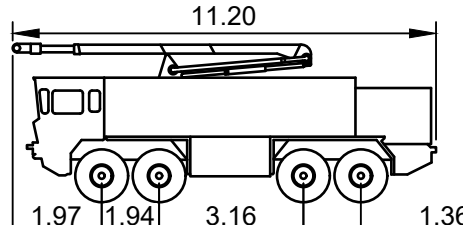
1000mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 2.500m
OVERALL BODY HEIGHT 4.300m
MINIMUM BODY GROUND CLEARANCE 0.417m
TRACK WIDTH 2.500m
KERB-TO-KERB TURNING RADIUS 12.500m

P94 PUMPER



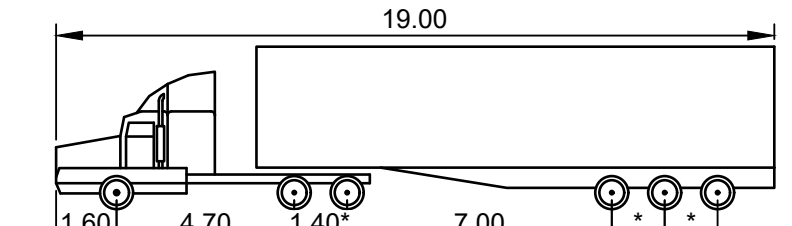
600mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 2.500m
OVERALL BODY HEIGHT 3.200m
MINIMUM BODY GROUND CLEARANCE 0.398m
TRACK WIDTH 2.500m
KERB-TO-KERB TURNING RADIUS 8.250m

BRONTO SKYLIFT



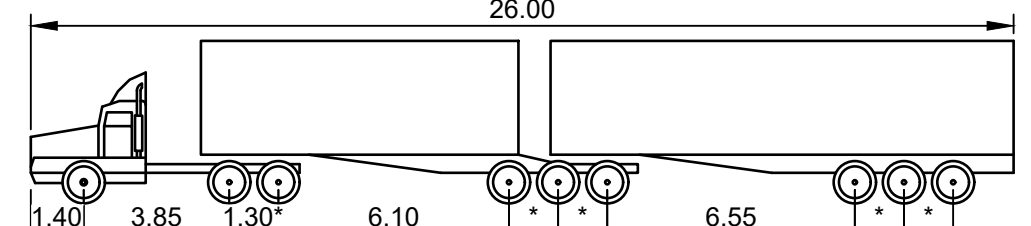
600mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 2.550m
OVERALL BODY HEIGHT 3.650m
MINIMUM BODY GROUND CLEARANCE 0.398m
TRACK WIDTH 2.550m
KERB-TO-KERB TURNING RADIUS 10.250m

ARV - ARTICULATED VEHICLE 19m

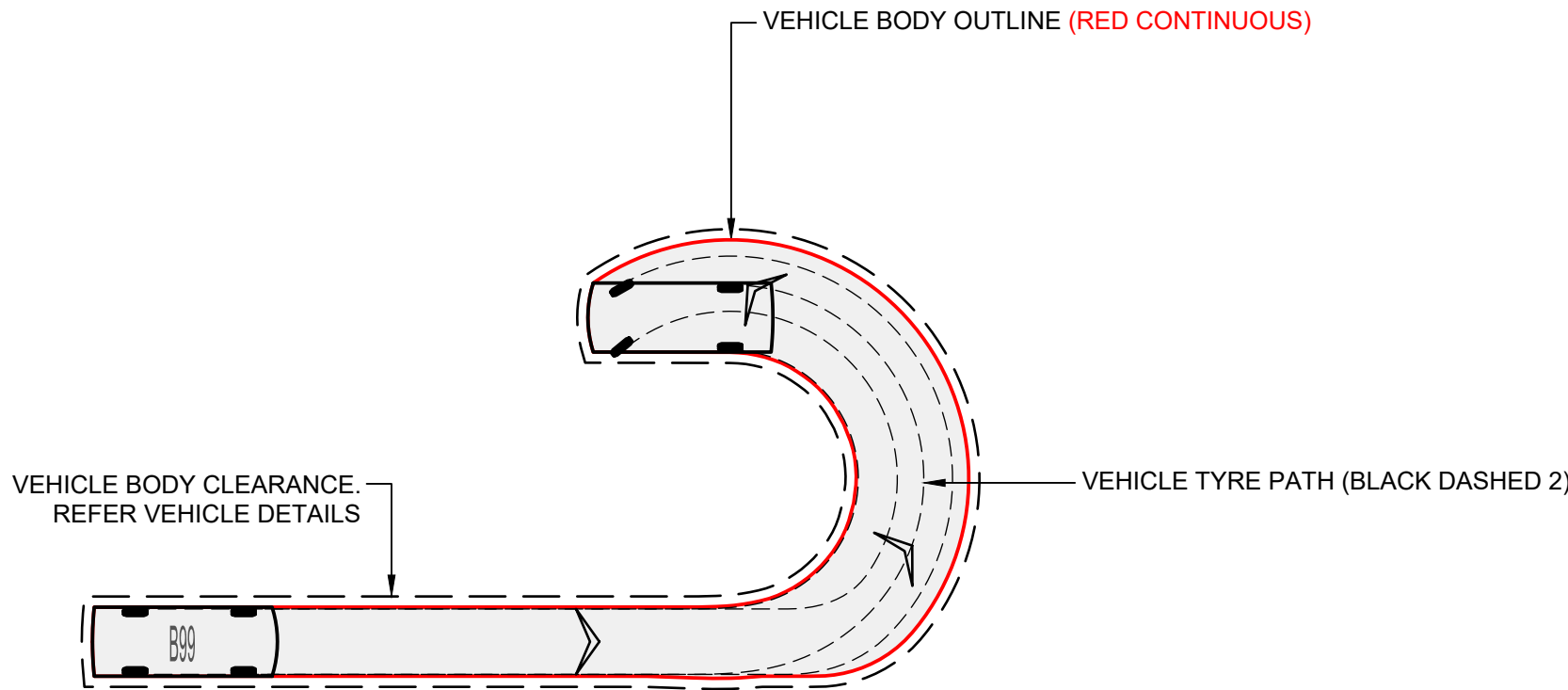


600mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 2.500m
OVERALL BODY HEIGHT 4.308m
MINIMUM BODY GROUND CLEARANCE 0.565m
TRACK WIDTH 2.500m
KERB-TO-KERB TURNING RADIUS 12.500m

ARV - ARTICULATED VEHICLE 26m



600mm VEHICLE BODY CLEARANCE (BLACK DASHED)
OVERALL WIDTH 2.500m
OVERALL BODY HEIGHT 4.300m
MINIMUM BODY GROUND CLEARANCE 0.540m
TRACK WIDTH 2.500m
KERB-TO-KERB TURNING RADIUS 15.000m



VEHICLE SWEEP PATH NOTES

GENERAL

- VEHICLE SWEEP PATHS ARE UNDERTAKEN USING AUTODESK VEHICLE TRACKING SOFTWARE.
- B85 AND B99 VEHICLE TEMPLATE SPECIFICATIONS ARE PROVIDED IN AS 2890.1.
- SRV, MRV, HRV AND AV VEHICLE TEMPLATE SPECIFICATIONS ARE PROVIDED IN AS 2890.2.
- BRONTO SKYLIFT AND P94 PUMPERS VEHICLE TEMPLATES ARE BUILT FROM VEHICLE SPECIFICATION PROVIDED BY THE ACT EMERGENCY SERVICES AGENCY.
- DESIGN SPEED FOR ALL VEHICLES IS 5km/h UNLESS OTHERWISE NOTED.
- VEHICLE SWEEP PATHS PROVIDED A PROOF OF CONCEPT FOR THE DESIGN ONLY. THE ABILITY OF A DESIGN TO ACCOMMODATE THE VEHICLE SWEEP PATH DOES NOT GUARANTEE THE COMPLIANCE OF THE DESIGN TO THE RELEVANT STANDARDS.

B85 & B99 CLEARANCE REQUIREMENTS

- MANOEUVRING CLEARANCE - VEHICLES MANOEUVRING WITHIN PARKING AISLE OR INTO PARKING SPACES REQUIRE 0.3m CLEARANCE ON BOTH SIDES OF THE VEHICLE BODY.
- CIRCULATION CLEARANCE - VEHICLES CIRCULATING WITHIN ACCESS OR CIRCULATION ROADWAYS, CIRCULATION AISLES AND ON RAMPS REQUIRE 0.3m CLEARANCE ON ONE SIDE ONLY OF THE VEHICLE BODY.
- CLEARANCE REQUIREMENTS AS ABOVE ARE DEFINED IN AS 2890.1.

SRV, MRV, HRV, AV CLEARANCE REQUIREMENTS

- LOW SPEED MANOEUVRES - VEHICLE MANOEUVRES INTO OR OUT OF SERVICE BAYS OR LOADING DOCKS REQUIRE 0.3m CLEARANCE ON BOTH SIDES OF THE VEHICLE BODY.
- HIGH SPEED CORNERING MANOEUVRES - VEHICLE MANOEUVRES WITHIN ACCESS OR CIRCULATION ROADWAYS, CIRCULATION AISLES AND ON RAMPS REQUIRE 0.3m CLEARANCE ON THE INSIDE OF THE CORNER AND 0.8m ON THE OUTSIDE OF CORNER TO THE VEHICLE BODY. VEHICLE MANOEUVRES ON THE STRAIGHT REQUIRE 0.3m ON BOTH SIDES OF THE VEHICLE BODY.
- PASSING VEHICLES - VEHICLES PASSING REQUIRE 0.3m CLEARANCE ON THE OUTSIDE OF BOTH VEHICLES BODIES, WITH 0.9m CLEARANCE BETWEEN VEHICLE BODIES.

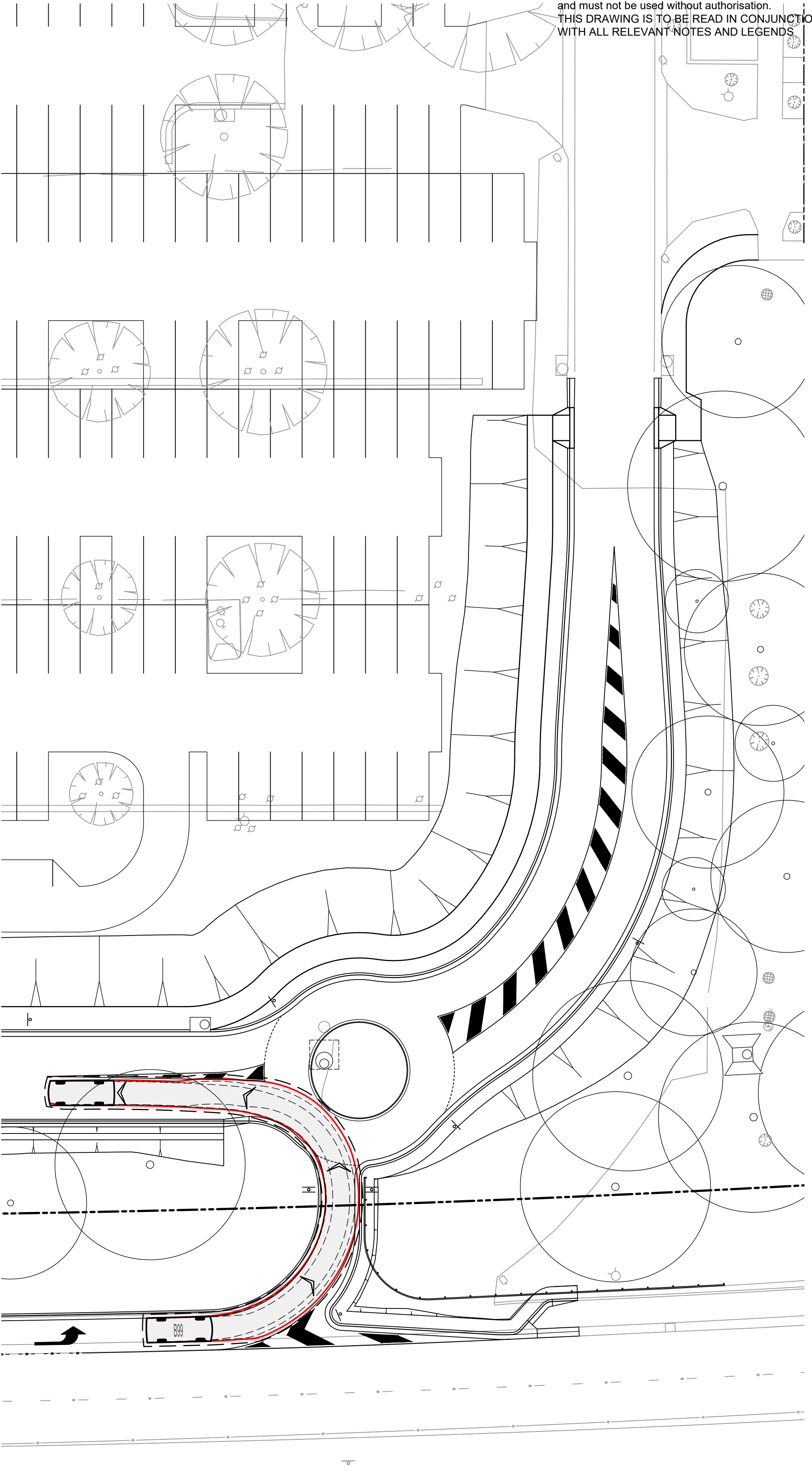
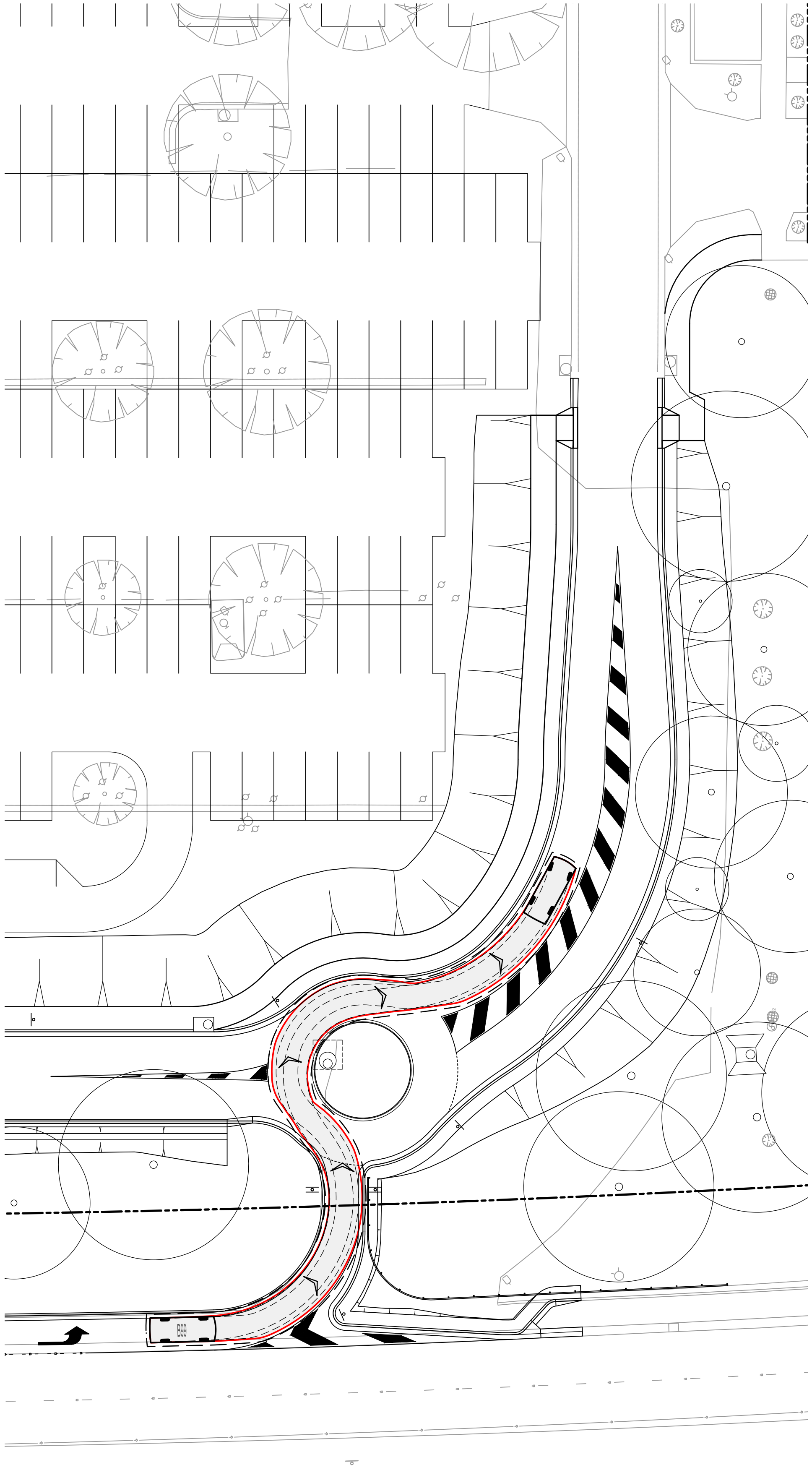
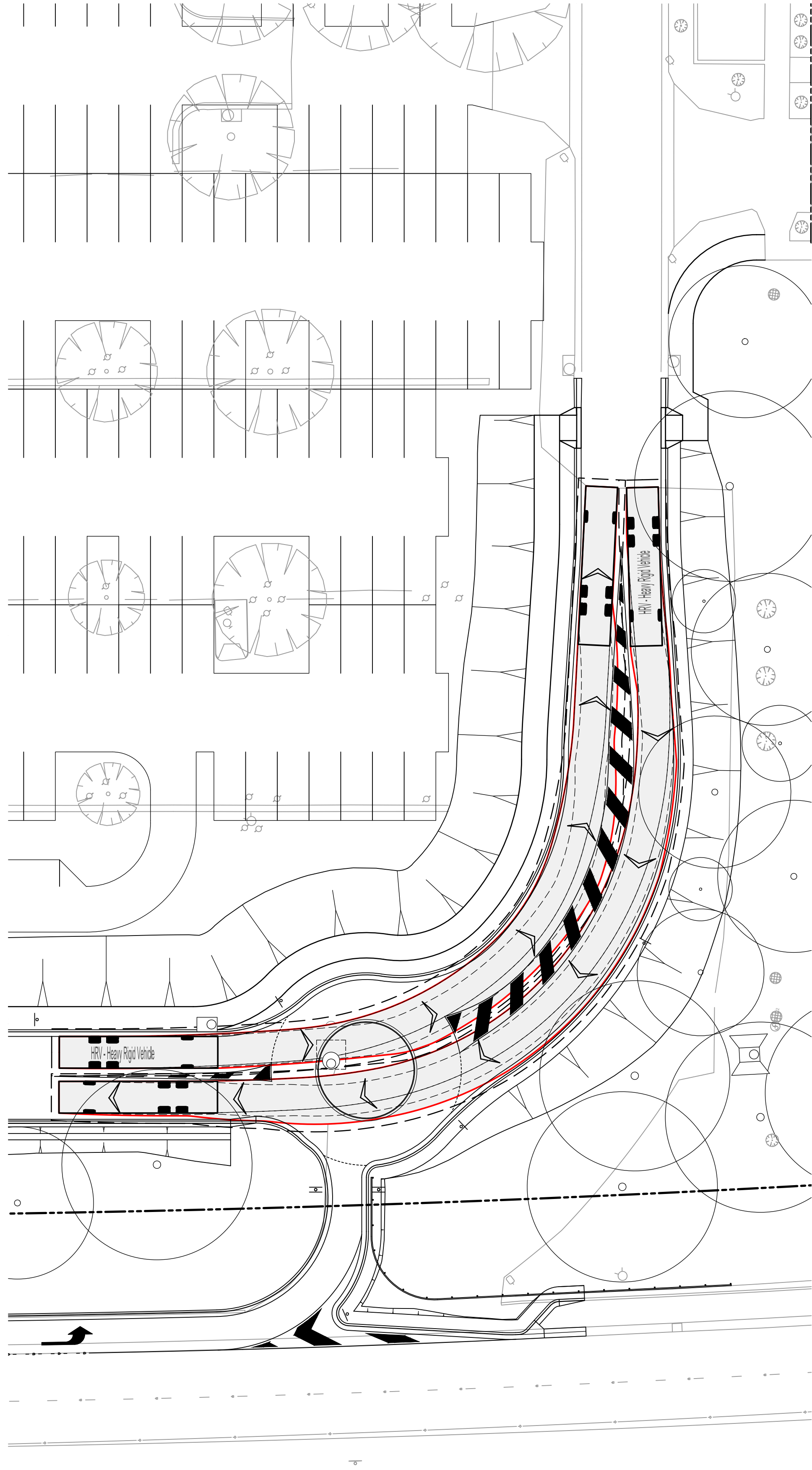
SWEPT PATH DESIGN STANDARDS

- ALL PARKING HAS BEEN DESIGNED IN ACCORDANCE WITH RELEVANT SECTIONS OF AS2890.
- THE FOLLOWING DESIGN VEHICLES HAVE BEEN UTILISED IN THE DESIGN OF THE FOLLOWING CARPARK LOCATIONS, IN ACCORDANCE WITH AS2890.1:2004 APPENDIX B:
 - B85
 - ENTRY TO PARKING SPACES
 - MANOEUVRES IN PARKING AISLES
 - B99
 - ACCESS DRIVEWAYS
 - RAMPS
 - CIRCULATION ROADWAYS
- PARKING SPACE WIDTHS ARE DERIVED FROM THE BASE DIMENSION OF A B85 VEHICLE PLUS A DOOR OPENING WIDTH. BASED ON THE REQUIRED LEVEL OF SERVICE, AS NOTED IN TABLE 1.1 OF AS2890.1:2004.
- REVERSE IN ONLY PARKING SPACES ARE RESTRICTED TO RESIDENTIAL PARKING ONLY.
- IN ACCORDANCE WITH AS2890.1:2004 APPENDIX B SECTION B4.4. "SWEPT PATHS ARE NOT SUITABLE FOR DETERMINING THE AISLE WIDTH NEEDED FOR MANOEUVRING IN AND OUT OF PARKING SPACES. DRIVERS CAN MANOEUVRE VEHICLES WITHIN SMALLER SPACES THAN SWEPT PATH TURNING PATHS WOULD SUGGEST."
- PARKING AISLES IN AS2890.1 HAVE BEEN DETERMINED THROUGH ONSITE FIELD STUDY.
- IN ACCORDANCE WITH AS2890.1:2004 APPENDIX B SECTION B4.8. PARKING AISLE REDUCTION HAS BEEN MADE FOR RESIDENTIAL AND DOMESTIC CAR PARKS (CLASS 1A) AS THESE DEVELOPMENTS HAVE LOW TURNOVER AND USERS ARE GENERALLY PREPARED TO ACCEPT SOME INCONVENIENCE WHEN ENTERING OR LEAVING THE PARKING SPACE.
- FIELD TESTS HAVE SHOWN THAT MOST VEHICLES LARGER THAN THE B85 WILL NEED TO MAKE A 3-POINT TURN IF THE MANOEUVRING SPACE IS THE MINIMUM ALLOWABLE, WITH SOME LARGER VEHICLES (B99) NEEDING TO MAKE A 5-POINT TURN.

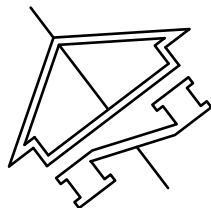
NOT FOR CONSTRUCTION

Rev				Rev				Rev				Rev			
Description				Description				Description				Description			
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D WORKS APPROVAL				RC AD 21.05.2024				RC AD 21.05.2024				RC AD 21.05.2024			
C WORKS APPROVAL				RC AD 08.02.2024				RC AD 08.02.2024				RC AD 08.02.2024			
B WORKS APPROVAL				RC AD 20.12.2023				RC AD 20.12.2023				RC AD 20.12.2023			
A DRAFT WORKS APPROVAL				RC AD 11.12.2023				RC AD 11.12.2023				RC AD 11.12.2023			

Architecture:		Engineer:		Project:		Drawing Title:		Scale at A1		Drawn		Designed		Approved	
Hassell		TTW		UNSW CANBERRA CITY		VEHICLE TURNING PATHS		Project No		AD		RT		CP	
Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com		Structural Civil Traffic Façade		BLOCK 12 SECTION 3		NOTES AND LEGEND		Originator		Zone		Type		Role	
				PARKES, ACT 2600				Sheet No.						Rev	
								231606-TTW-10-DR-CI-11001-E							
								11.12.2024		2:58 PM					



0.0 5.0 10.0 15.0 20.0m
1:250 A1 1:500 A3



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E	WORKS APPROVAL	RC	AD	21.05.2024
D	WORKS APPROVAL	RC	AD	17.05.2024
C	WORKS APPROVAL	RC	AD	08.02.2024
B	WORKS APPROVAL	RC	AD	20.12.2023
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023

Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
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Architecture:

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Engineer:

TTW

**Structural
Civil
Traffic
Façade**

Project:

UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

Drawing Title:

VEHICLE TURNING PATHS
PLAN SHEET 1

Scale at A1

500

Drawn

AD

Designed

RT

Approved

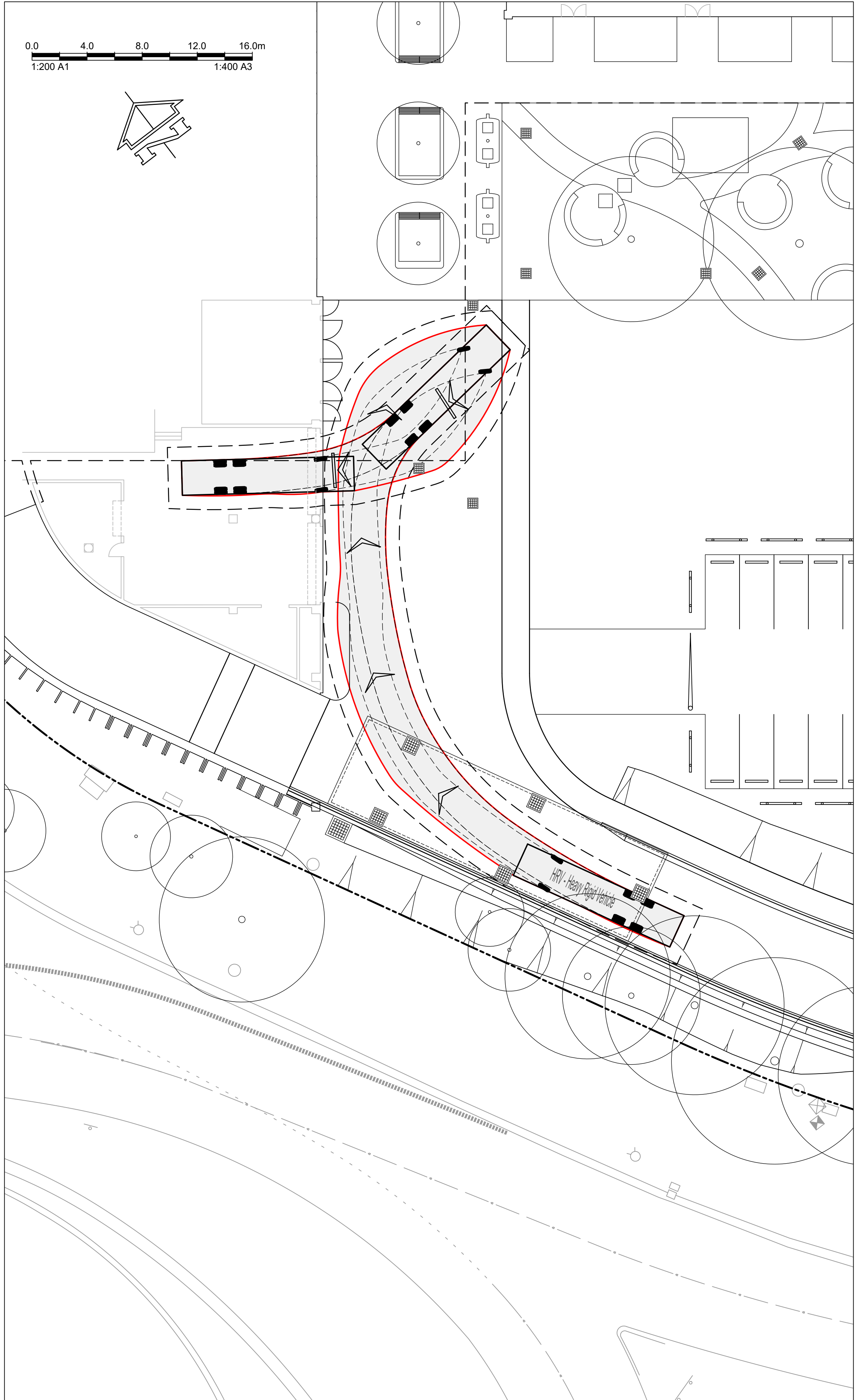
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Project No

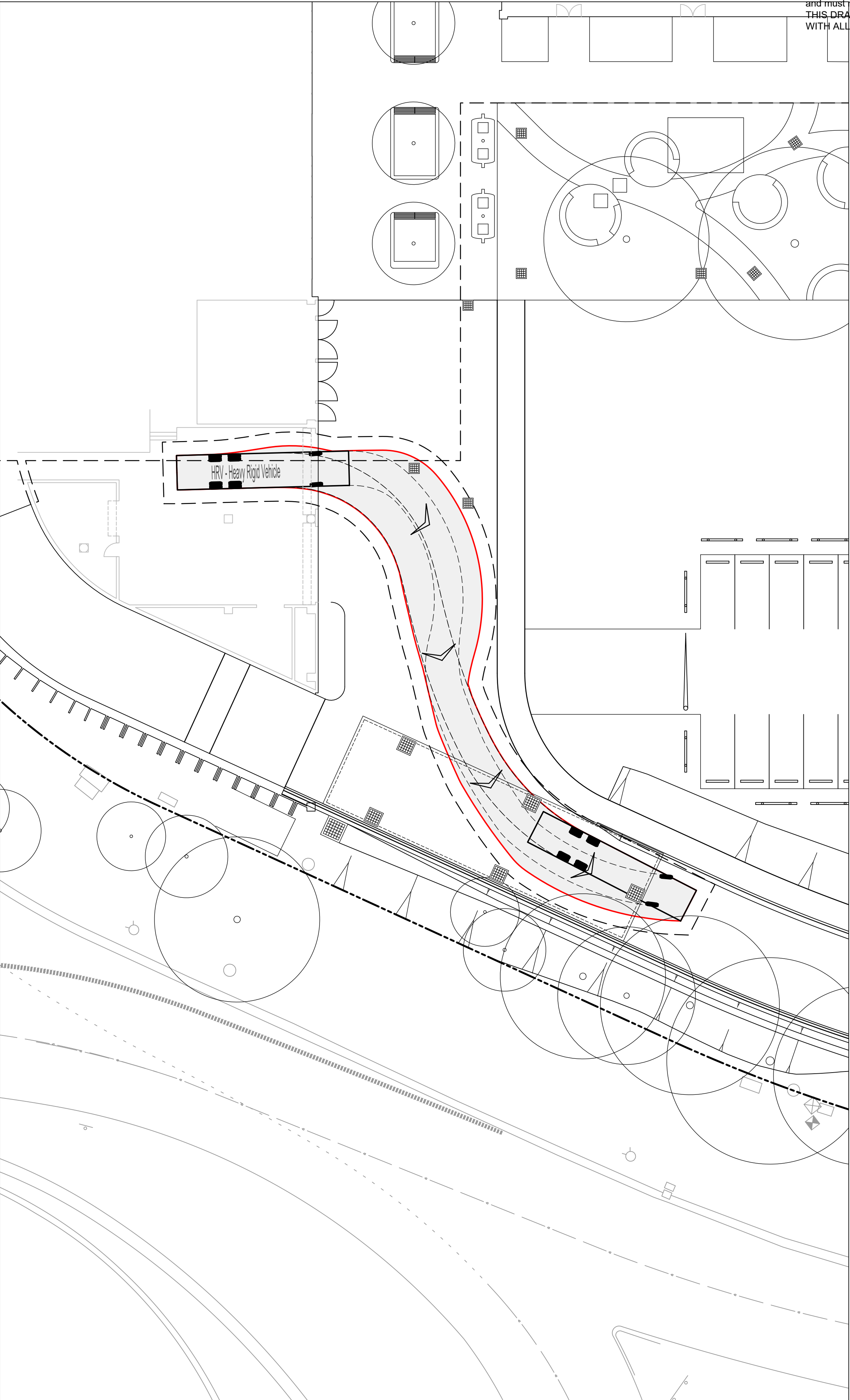
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NOT FOR CONSTRUCTION



HRV LOADING DOCK ENTRY
SCALE 1:200



HRV LOADING DOCK EXIT
SCALE 1:200

NOT FOR CONSTRUCTION

F	WORKS APPROVAL	RC	AD	11.12.2024					
E	WORKS APPROVAL	RC	AD	21.05.2024					
D	WORKS APPROVAL	RC	AD	17.05.2024					
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B	WORKS APPROVAL	RC	AD	20.12.2023					
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023					
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date

Architecture:
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TTW **Structural Civil Traffic Façade**
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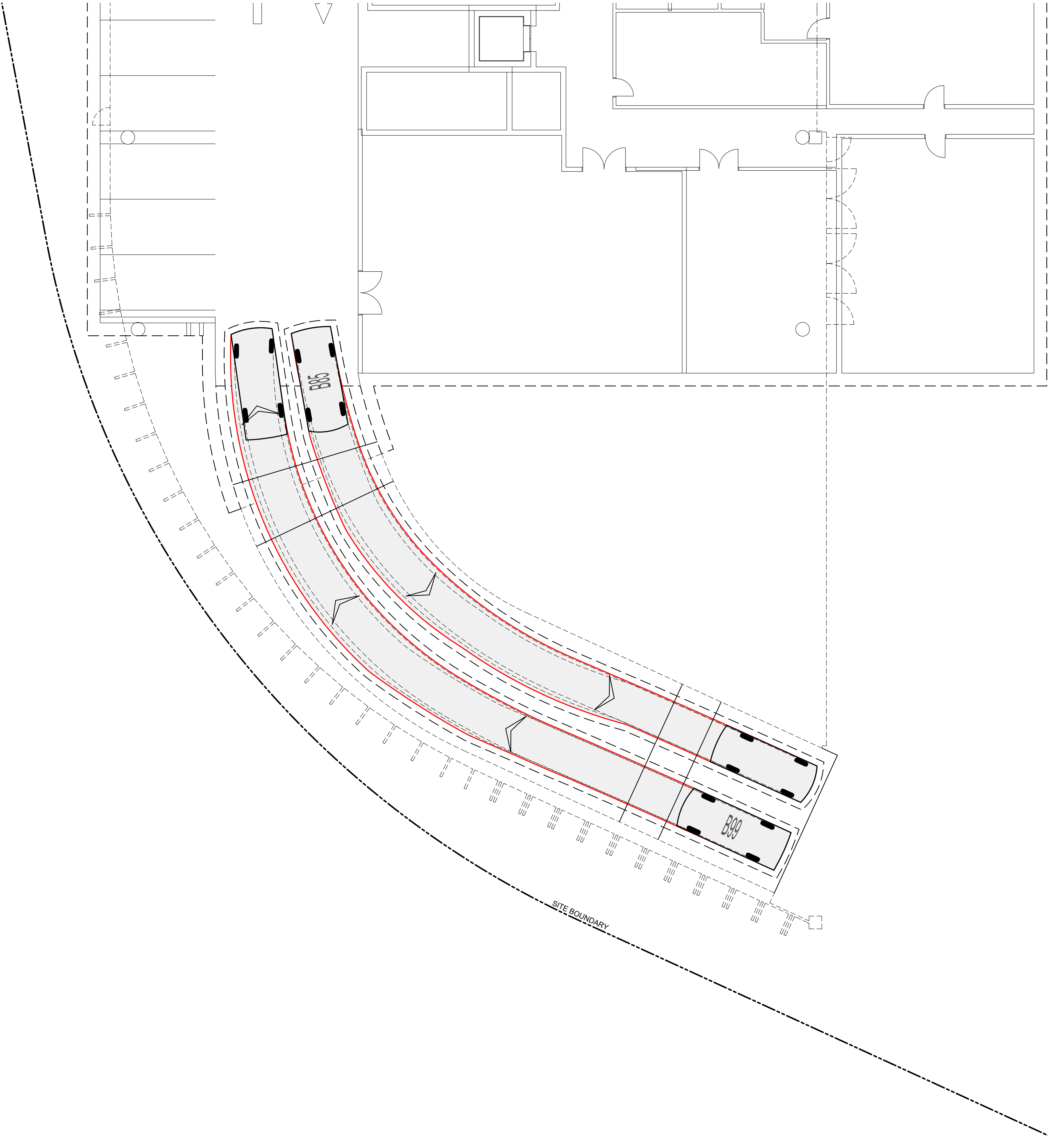
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MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600

Drawing Title:
VEHICLE TURNING PATHS
PLAN SHEET 2

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200	AD	RT	CP			
Project No	Originator	Zone	Type	Role	Sheet No.	Rev
231606-TTW-10-DR-CI-11012-F						
11.12.2024 3:00 PM						

The diagram shows a site plan for a parking area. A curved dashed line, labeled "SITE BOUNDARY", separates the parking area from a building. The parking area contains two rows of stalls. The top row is labeled "B85" and the bottom row is labeled "B89". A red line runs along the outer edge of the stalls. The stalls are represented by rectangles with black dots indicating wheel positions. The building is shown as a series of connected rectangles with various openings and doors. A north arrow is located in the upper right corner of the plan.

The diagram shows a site plan for a parking area. A curved dashed line, labeled "SITE BOUNDARY", separates the parking area from a building. The parking area contains two rows of stalls. The top row is labeled "B85" and the bottom row is labeled "B89". A red line runs along the outer edge of the stalls. The stalls are represented by rectangles with black dots indicating wheel positions. The building is shown as a series of connected rectangles with various openings and doors. A north arrow is located in the upper right corner of the plan.



The diagram is a site plan of a parking lot. It features two rows of parking stalls, labeled B85 and B89. Stall B85 is at the top left, and stall B89 is at the bottom right. A red line traces a path through the stalls, starting from the top left, curving around the stalls, and ending at the bottom right. A curved dashed line, labeled 'SITE BOUNDARY', runs along the left and bottom edges of the parking area. A building is shown at the top right, with a dashed line indicating its boundary. The parking area is shaded in light gray, and the stalls are outlined in black. The text 'SITE BOUNDARY' is written in a small, sans-serif font near the bottom left corner of the parking area.

The diagram is a site plan of a parking lot. It features two rows of parking stalls, labeled B85 and B89. Stall B85 is at the top left, and stall B89 is at the bottom right. A red line traces a path through the stalls, starting from the top left, curving around the stalls, and ending at the bottom right. A curved dashed line, labeled 'SITE BOUNDARY', runs along the left and bottom edges of the parking area. A building is shown at the top right, with a dashed line indicating its boundary. The parking area is shaded in light gray, and the stalls are outlined in black. The text 'SITE BOUNDARY' is written in a small, sans-serif font near the bottom left corner of the parking area.

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This site plan illustrates the layout of a building complex and its associated parking area. The building footprint is shown in the upper right, with various rooms and corridors. A curved site boundary, marked with a dashed line and labeled "SITE BOUNDARY", runs along the bottom and left sides. The parking area is located between the building and the boundary, featuring several parking spaces. Two specific spaces are labeled "B85" and "B89". The plan also shows a curved driveway or access road leading to the parking area, with a red line indicating a specific path or boundary within this area. The overall layout suggests a well-organized parking and access system for the building complex.

This site plan illustrates the layout of a building complex and its associated parking area. The building footprint is shown in the upper right, with various rooms and corridors. A curved site boundary, marked with a dashed line and labeled "SITE BOUNDARY", runs along the bottom and left sides. The parking area is located between the building and the boundary, featuring several parking spaces. Two specific parking spaces are labeled "B85" and "B89". The plan also shows a curved path or driveway leading from the parking area towards the building. The overall layout suggests a well-organized site with designated areas for building, parking, and circulation.

This site plan illustrates the layout of a building complex and its associated parking area. The building footprint is shown in the upper right, with various rooms and corridors. A curved site boundary, marked with a dashed line and labeled "SITE BOUNDARY", runs along the bottom and left sides. Inside the boundary, there are two main building footprints labeled "B05" and "B09". A large parking area, shaded in light gray, is located between the buildings and the boundary. The parking area is divided into several sections by dashed lines, and individual parking spaces are marked with small black rectangles. A curved dashed line with arrows indicates a path or driveway leading from the parking area towards the buildings. The plan also shows various other features such as walls, doors, and windows.

EXISTING	EXHUMED OR ABANDONED	PROPOSED	
(MATERIAL) csw Ø150	(MATERIAL) csw Ø150		Ø150 STORMWATER LINE WITH R-SUMP, MANHOLE AND PIPE END CAP
			Ø300 STORMWATER LINE WITH GRATED INLET SUMP AND SAG KERB INLET SUMP (KIS)
			Ø375 STORMWATER LINE WITH QS INLET SUMP AND KERB INLET SUMP ON GRADE
			Ø150 STORMWATER LINE WITH HEADWALL GRATED DRAIN
			Ø450 STORMWATER LINE WITH PLANTATION SUMP AND SURCHARGE STRUCTURE

EXISTING

SS SS

PROPOSED

HER SS SS IR

SUBSOIL DRAINAGE WITH HIGH END RISER AND INTERMEDIATE RISER

EXISTING	EXHUMED OR ABANDONED	PROPOSED	
(MATERIAL) — c/s #150 — c/s #150 —	(MATERIAL) — x— xS #150 x— x— x c/s #150 x— x—	S S #150 — S #150 — SCOUR STOP	Ø150 SEWER LINE WITH MANHOLE, SCOUR STOP AND PIPE END CAP
		SVD S S #375 — SMS S #375 —	Ø375 SEWER LINE VERTICAL DROP STRUCTURE AND SEWER INSPECTION SHAFT

EXISTING	EXHUMED OR ABANDONED	PROPOSED	
			Ø150 DICL WATER LINE WITH HYDRANT, STOP VALVE AND PIPE END CAP
			Ø150 DICL WATER LINE WITH THRUST BLOCK, STOP COCK AND WATER METER
			Ø150 DICL WATER LINE WITH REDUCER, PIERED THRUST BLOCK AND THRUST WALL
			INTERNAL WATER LINE WITH INTERNAL WATER METER

EXISTING	EXHUMED OR ABANDONED	PROPOSED	
			110kPa Ø50 GAS LINE, WITH GAS MARKER AND GAS VALVE

A	-	SIGHTED, MUST BE LOCATED, THEN POTHOLED. UTILITY MUST BE PHYSICALLY SIGHTED AND MEASURED.
B	-	ELECTRONICALLY DETECTED AND LOCATED ON SITE USING VARIOUS TRACING METHODS.
C	-	ALIGNED FROM SURFACE FEATURES AND DIGITISED DATA.
D	-	DIGITISED DATA (DIAL BEFORE YOU DIG).

EXISTING EXHUMED OR ABANDONED PROPOSED

— COMM — COMM — —X—X— COMM X—X—X— COMM X—X— COMM — COMM — TELECOMMUNICATIONS LINE WITH TELECOMMUNICATIONS PIT

EXISTING	EXHUMED OR ABANDONED	PROPOSED	
			LOW VOLTAGE OVERHEAD ELECTRICAL LINE WITH POWER POLE
			LOW VOLTAGE BELOW GROUND ELECTRICAL CONDUIT WITH ELECTRICAL PIT
			HIGH VOLTAGE OVERHEAD ELECTRICAL LINE WITH POWER POLE
			HIGH VOLTAGE BELOW GROUND ELECTRICAL CONDUIT WITH ELECTRICAL PIT

EXISTING	EXHUMED OR ABANDONED	PROPOSED	
			LIGHTING CONDUIT WITH SINGLE REACH LIGHT COLUMN
			LIGHTING CONDUIT WITH DUAL REACH LIGHT COLUMN
			LIGHTING CONDUIT PEDESTRIAN LIGHT COLUMN

EXISTING		EXHUMED OR ABANDONED	PROPOSED		
					SHARED UTILITIES TRENCH TYPE 1
					SHARED UTILITIES TRENCH TYPE 2
					SHARED UTILITIES TRENCH TYPE 3
					SHARED UTILITIES TRENCH TYPE 4
					SHARED UTILITIES TRENCH TYPE 5

REFER SHARED UTILITIES TRENCH DETAILS

EXISTING

EXISTING TREE TO BE RETAINED

EXISTING CONTOUR

PROPOSED

PROPOSED TREE
TREE REPRESENTATION MAY VARY BASED ON
LANDSCAPE CONSULTANT OR SURVEY INFORMATION

DESIGN CONTOUR

SPOT LEVEL
RL 696.000

[illegible]

1. ALL WORK ON ICON WATER SUPPLY AND SEWER MAINS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT WATER SUPPLY AND SEWERAGE STANDARDS.
2. CONNECTION AND DISCONNECTIONS OF SEWER AND WATER AT THE MAIN TO BE MADE BY ICON WATER AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR IS TO EXPOSE THE MAIN AT THE LOCATION OF THE CONNECTION/DISCONNECTION IN PREPARATION FOR THE WORK BY ICON WATER. ALL EXCAVATION IN THE VICINITY OF MAINS IS TO BE CARRIED OUT BY HAND.
3. THE CONTRACTOR MUST VISIT THE SITE OF WORKS BEFORE TENDERING AND MAKE ALLOWANCES IN THEIR TENDER FOR ALL TOPOGRAPHIC CONSTRAINTS AFFECTING THE EXECUTION OF THE WORKS AND THE RESTORATION OF THE SITE.
4. ALTHOUGH THE POSITION OF EXISTING UNDERGROUND SERVICES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS, THE CONTRACTOR SHALL CONFIRM THE DEPTH AND LOCATION OF ALL SERVICES ON SITE BEFORE COMMENCING EXCAVATIONS.
5. ALL LEVELS ARE TO THE AUSTRALIAN HEIGHT DATUM (ADH). ALL COORDINATES ARE BASED ON THE COORDINATE SYSTEM NOTED ON THE DRAWINGS.
6. THE CONTRACTOR MUST SECURE ALL PERMITS, ARRANGE ALL CLEARANCES AND PAY ALL FEES REQUIRED TO COMPLETE THE PROJECT BEFORE COMMENCING WORK.
7. WORK AS EXECUTED DRAWINGS AND THE BOOK MUST BE SUBMITTED PRIOR TO CONNECTION.
8. ANY NON-METALLIC WATER SERVICE IS TO BE INSTALLED WITH A TRACER WIRE AND TESTED.
9. EXCESS EXCAVATION MATERIAL SHALL BE REMOVED FROM THE SITE AND DUMPED AT AN APPROVED SPOIL AREA.
10. THE CONTRACTOR SHALL REINSTATE ALL DISTURBED SURFACES TO MATCH EXISTING.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION OF ALL NECESSARY TEMPORARY TRAFFIC MANAGEMENT PLANS AND THEIR APPROVAL.
12. CONTRACTOR TO CONFIRM DEPTH OF SEWER TIE POINT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES FROM THE APPROVED PLAN ARE TO BE REFERRED TO THE DESIGN ENGINEER.
13. ANY DEVIATION TO PIPE MATERIALS IS TO BE APPROVED IN WRITING BY ICON WATER PRIOR TO INSTALLATION.
14. SULPHATE RESISTING CONCRETE IS TO BE USED ON ALL SEWER MAINTENANCE STRUCTURES.

PIPE INFORMATION

UPSTREAM INVERT LEVEL
PIPE INTERNAL DIAMETER
PIPE MATERIAL AND CLASS
PIPE LENGTH
PIPE GRADE
DOWNSTREAM INVERT LEVEL

SEWER
L 0.0m
D 0.0m
Ø000

TIE LENGTH
TIE DEPTH
TIE DIAMETER

S1-6

LINE NUMBER 1 - STRUCTURE NUMBER 6



SCALE 1:20



SCALE 1:50



SCALE 1:50

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Structure
Civil
Traffic
Facade

UNSW CANBERRA
MAIN WORKS
BLOCK 12 SECTION
PARKES, ACT 2600

Drawing Title:

UTILITIES-COORDINATION NOTES AND LEGEND SHEET 2

Scale at A1

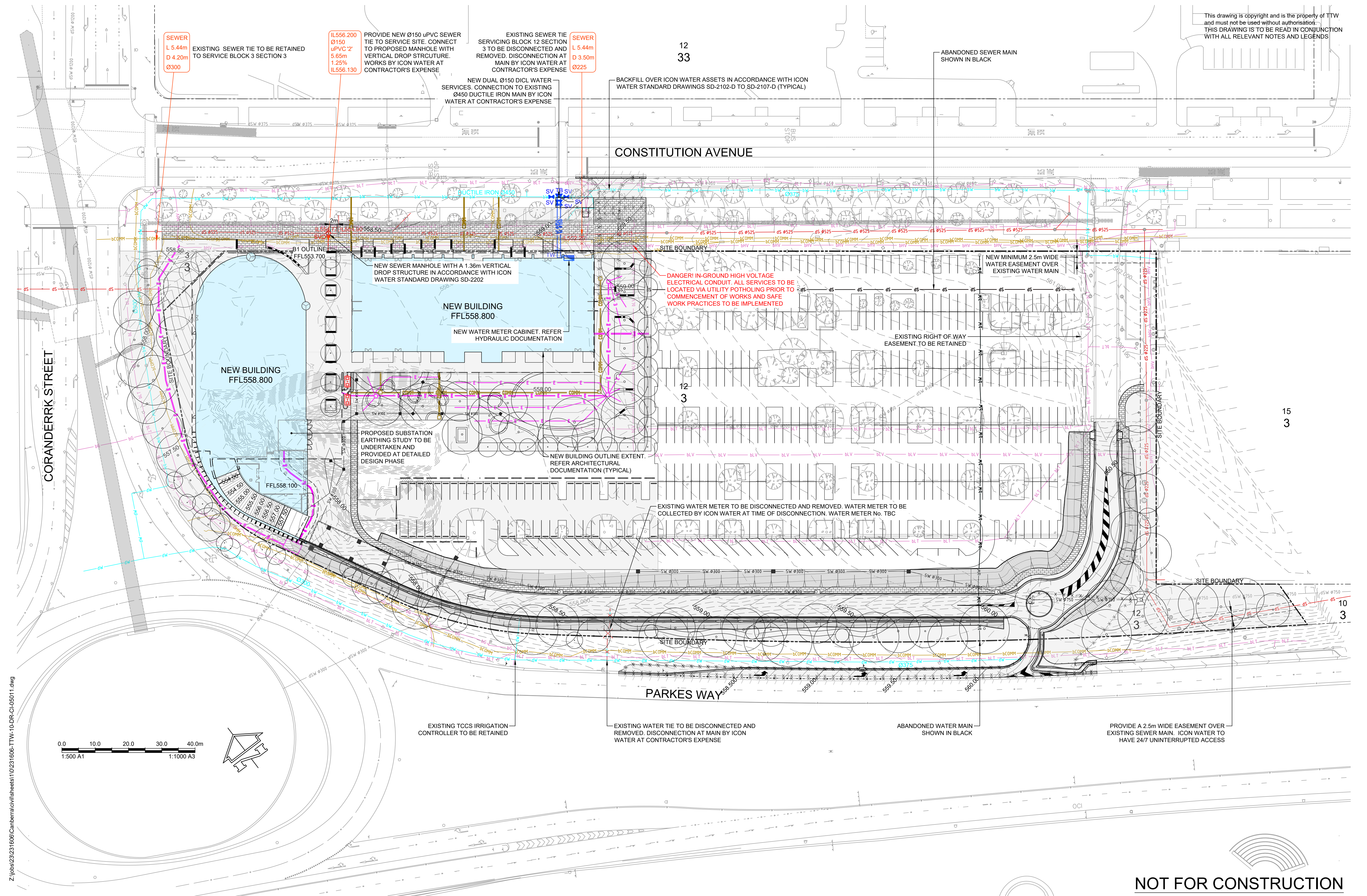
Drawn

Designed

Approved

Project No	Originator	Zone	Type	Role	Sheet No.	Rev
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F	ICON COMMENTS	RC	AD	17.05.2024					
E	WORKS APPROVAL	RC	AD	23.04.2024					
D	WORKS APPROVAL	RC	AD	15.04.2024	J	WORKS APPROVAL	RC	AD	11.12.2024
C	WORKS APPROVAL	RC	AD	08.02.2024	I	ICON COMMENTS	RC	EM	07.08.2024
B	WORKS APPROVAL	RC	AD	20.12.2023	H	WORKS APPROVAL	RC	EM	28.05.2024
A	DRAFT WORKS APPROVAL	RC	AD	11.12.2023	G	WORKS APPROVAL	RC	AD	21.05.2024
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date

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Project:
**UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600**

Drawing Title:
**UTILITIES-COORDINATION
PLAN**

Scale at A1	Drawn	Designed	Approved			
500	AD	RT	CP			
Project No	Originator	Zone	Type	Role	Sheet No.	Rev
231606-TTW-10-DR-CI-05011-J						
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WASTE NOTES

1. ALL FLOORS, WALL AND CEILINGS OF WASTE ENCLOSURES MUST BE CONSTRUCTED OF SOLID IMPERVIOUS MATERIALS.
2. FLOOR FINISHES FOR WASTE ENCLOSURES ARE TO BE SMOOTH WITH INTERNAL GRADES NOT EXCEEDING 2% GRADE.
3. BUMP RAILS NOT LESS THAN 50mm OFF THE WALL MUST BE PROVIDED ON ALL WALLS AND AROUND ALL STRUCTURAL ELEMENTS UNLESS OTHERWISE NOTED. BUMP RAILS MUST BE BETWEEN 0.9m AND 1.3m HIGH.
4. WASTE ENCLOSURES LOCATED WITHIN THE FABRIC OF A BUILDING REQUIRE THE FOLLOWING:

4.1. FLOOR WASTE SILT TRAP CONNECTED TO SANITARY DRAINAGE SYSTEM.

4.2. ENCLOSURE FLOOR TO GRADE TOWARDS INTERNAL FLOORS WASTE POINT.

4.3. WATER SUPPLY.
5. PHYSICAL PROTECTION FOR FITTINGS WITHIN THE WASTE ENCLOSURE MUST BE PROVIDED UNLESS FIXTURES ARE GREATER THAN 1.7m ABOVE FLOOR LEVEL.
6. DOORS FOR THE TRANSPORT OF WASTE HOPPERS MUST BE EQUAL TO OR GREATER THAN 2.4m HIGH AND 2.4m WIDE UNLESS NOTED OTHERWISE.
7. BOLLARDS ARE TO BE INSTALLED ON THE INSIDE EDGES OF THE DOOR TO PROVIDE PHYSICAL PROTECTION TO DOOR ELEMENTS.
8. PHYSICAL PROTECTION MUST BE INSTALLED ON EITHER SIDE OF WASTE ENCLOSURE DOORS, IN THE FORM OF BOLLARDS OR STEEL ANGLES, TO PREVENT DAMAGE TO WALLS OR DOOR FIXTURES DUE TO THE TRANSPORTATION OF HOPPERS. STEEL ANGLES ARE TO BE INSTALLED FROM 0.9m HIGH TO THE TOP OF THE TALLEST HOPPER USED WITHIN THE ENCLOSURE.
9. ALL DOORS ARE TO BE SELF CLOSING, OR SIGNAGE MUST BE INSTALLED NOTING DOORS MUST BE KEPT SHUT WHEN NOT IN USE.
10. LIGHTING MUST BE PROVIDED WITHIN WASTE ENCLOSURES. LIGHT SWITCHES MUST BE LOCATED ADJACENT TO THE DOOR OR ACTIVATED BY A SENSOR INSTALLED WITHIN THE ENCLOSURE.
11. PAVEMENT GRADES EXTERNAL TO THE ENCLOSURE FOR HOPPER TRANSPORTATION OR THE COLLECTION OF HOPPERS MUST NOT EXCEED 3% GRADE IN ANY DIRECTION.
12. HOPPER COLLECTION LOCATIONS MUST BE LOCATED NO GRATER THAN 4m FROM THE ENTRANCE TO THE WASTE ENCLOSURE.
13. "NO PARKING" SIGNS ARE TO BE INSTALLED ON BOTH SIDES OF WASTE COLLECTION ZONE.

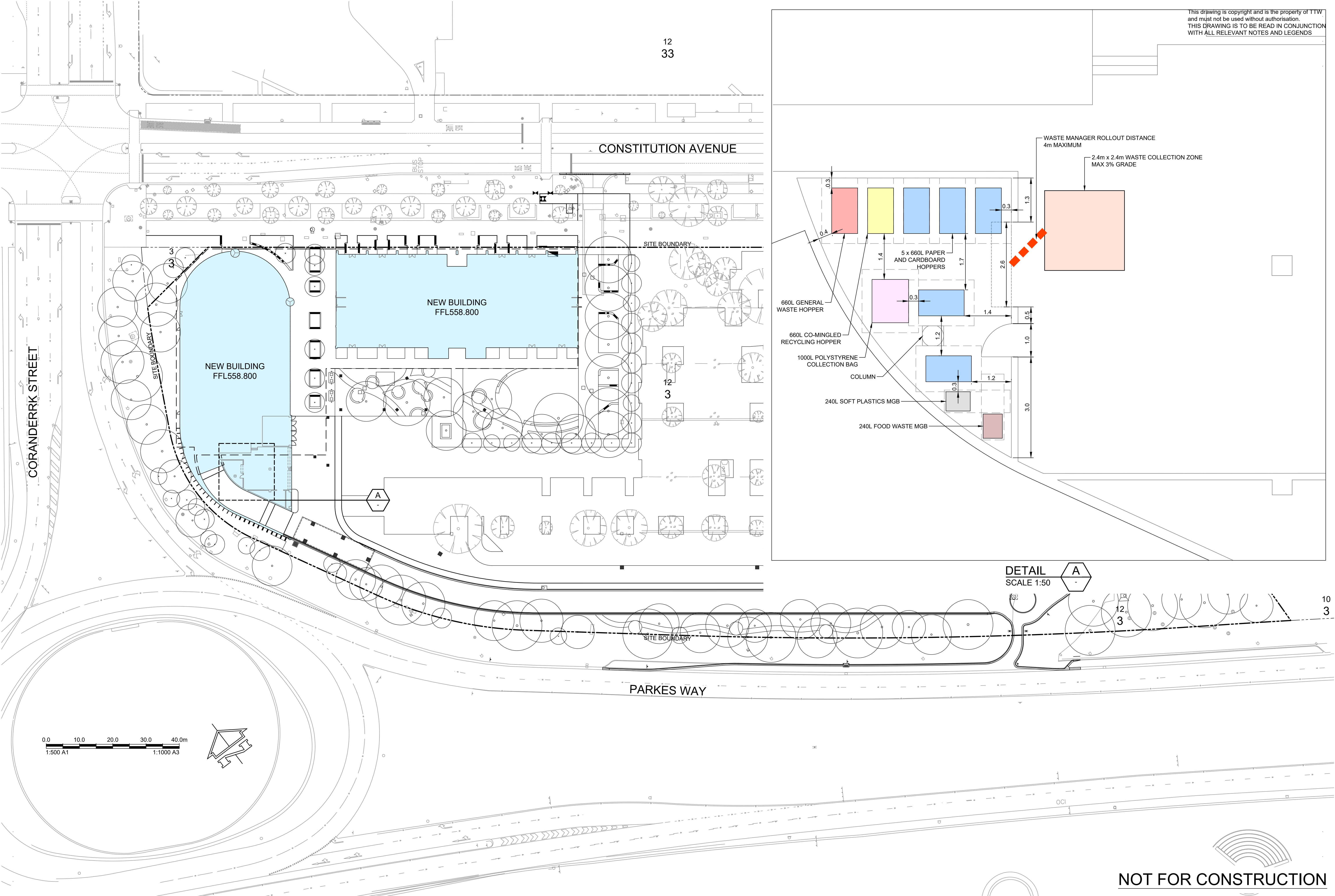
WASTE STREAM ALLOCATIONS					
COMMERCIAL					
USE	BIN SIZE (m³)	NUMBERS OF BINS	COMPACTI ON (x:1)	COLLECTIONS/ WEEK	OPERATIONAL DAYS
GENERAL WASTE	0.66	1	1:1	11	6
CO-MINGLED RECYCLING	0.66	1	1:1	1	
FOOD WASTE	0.24	1	1:1	5	
PAPER & CARDBOARD	0.66	5	1:1	2	
POLYSTYRENE	1	1	1:1	2	
SOFT PLASTICS	0.24	1	1:1	1	
TOTAL		10		22	

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E WORKS APPROVALRC AD 11.12.2024						Architecture: Hassell Hassell LTD ABN 24 007 711 435 Level 2, Pier 8/9, 23 Hickson Rd Sydney NSW 2000 Australia T +61 2 9101 2000 F +61 2 9101 2100 sydney@hassellstudio.com	Engineer: TTW Structural Civil Traffic Façade	Project: UNSW CANBERRA CITY MAIN WORKS BLOCK 12 SECTION 3 PARKES, ACT 2600	Drawing Title: WASTE MANAGEMENT NOTES AND LEGEND	Scale at A1								
D WORKS APPROVALRC AD 21.05.2024																		
C WORKS APPROVALRC AD 08.02.2024																		
B WORKS APPROVALRC AD 20.12.2023																		
A DRAFT WORKS APPROVALRC AD 11.12.2023																		
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date			

AD		RT		CP		
Project No	Originator	Zone	Type	Role	Sheet No.	Rev
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C	WORKS APPROVAL	RC	AD	08.02.2024			
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Rev	Description	Eng	Draft	Date	Rev	Description	Eng

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Project:
**UNSW CANBERRA CITY
MAIN WORKS
BLOCK 12 SECTION 3
PARKES, ACT 2600**

Drawing Title:
**WASTE MANAGEMENT
PLAN**

Scale at A1
500
Project No
231606-TTW-10-DR-CI-12011-E
11.12.2024 3:03 PM
Drawn
AD
Designed
RT
Approved
CP
Originator Zone Type Role Sheet No. Rev

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