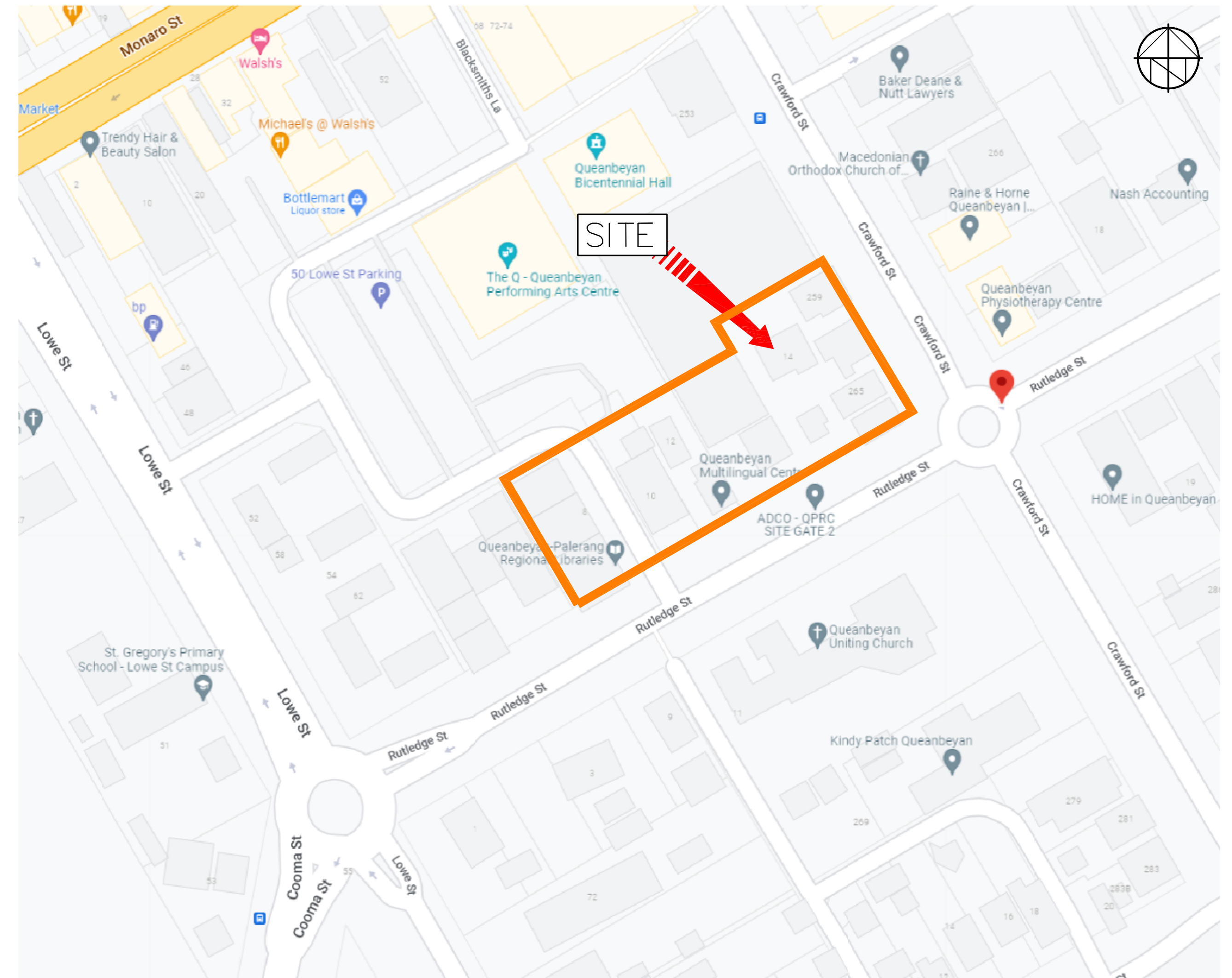


PROPOSED DEVELOPMENT

ISSUE FOR DA APPLICATION
COORDINATION
NOVEMBER 2022



LOCALITY PLAN
NTS

CLIENT:



ARCHITECT:

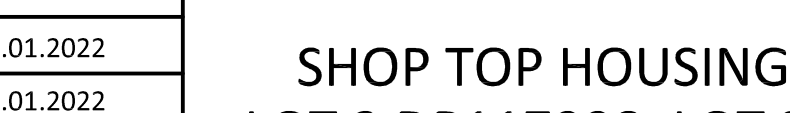


CONSULTANTS:

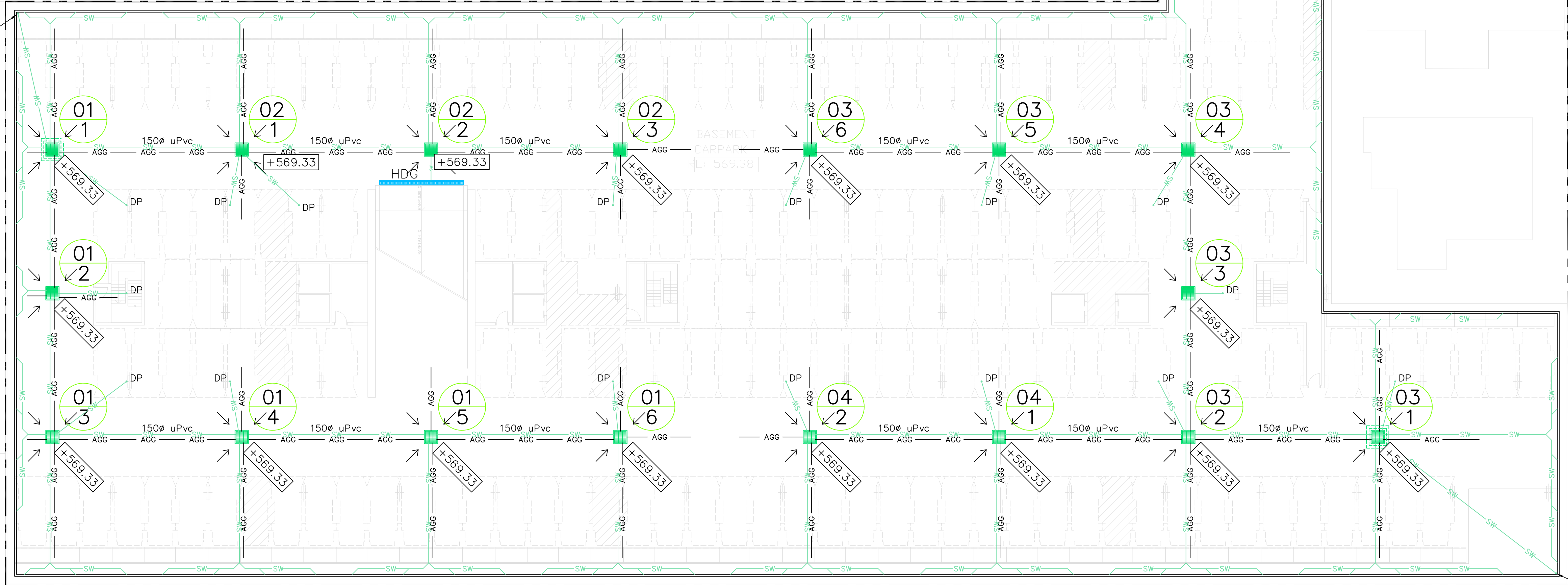


8795-01-000

DRAWING SCHEDULE	
NUMBER	DRAWING TITLE
8795-01-000	COVER SHEET
8795-01-001	DRAWING SCHEDULE
8795-01-002	LEGEND ABBREVIATION AND GENERAL NOTES
8795-01-003	BASEMENT 2 STORMWATER PLAN
8795-01-004	BASEMENT 1 STORMWATER PLAN
8795-01-005	GROUND FLOOR STORMWATER PLAN
8795-01-006	STORMWATER DETAILS
8795-01-007	OSD DETAILS AND CALCULATIONS
8795-01-010	SITE GENERAL ARRANGEMENT
8795-01-020	SWEPT PATH ANALYSIS SHEET 1
8795-01-021	SWEPT PATH ANALYSIS SHEET 2
8795-01-022	SWEPT PATH ANALYSIS SHEET 3
8795-01-025	RAMP PLAN, GRADES AND SECTION
8795-01-030	WASTE COLLECTION PROPOSED LANEWAY LOADING ZONE

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	PROJECT			DRAWING TITLE		
					 architects@kasperek.com.au	 The Village Building Co Est. 1988	 CANBERRA SYDNEY WOLLONGONG www.indesco.com.au			 DICA QHSAS Registered DICA ISO 9001 Registered DICA QHSAS Registered		
							 architects@kasperek.com.au			 The Village Building Co Est. 1988		
							 architects@kasperek.com.au			 The Village Building Co Est. 1988		
							 architects@kasperek.com.au			 The Village Building Co Est. 1988		
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							 architects@kasperek.com.au			 The Village Building Co Est. 1988		

100Ø HIGH PRESSURE PIPE
CONNECTED TO OSD 1 AT
GROUND FLOOR.
FITTED WITH 1 WAY VALVE



100Ø HIGH PRESSURE PIPE
CONNECTED TO OSD 2 AT
GROUND FLOOR.
FITTED WITH 1 WAY VALVE

LEGEND

EXISTING SERVICES

- SITE BOUNDARY
- SW --- EXISTING STORMWATER
- SW --- EXISTING STORMWATER TO BE REMOVED
- 558.0 MAJOR CONTOURS
- 558.2 MINOR CONTOURS
- TREE
- exSEW --- EXISTING SEWER LINE

PROPOSED

- TREE TO BE REMOVED
- TREE PROTECTION FENCE
- CD --- CATCHMENT DRAIN
- SW --- STORMWATER (SUMP, GRATED PIT)
- AGG --- AGI PIPE
- STORMWATER STRIP DRAIN
- HDG HEAVY DUTY GRADE
- LDG LIGHT DUTY GRADE
- ODP DOWN PIPE

BASEMENT 2 STORMWATER PLAN

NOTES:

SCALE 1:200 @ A1

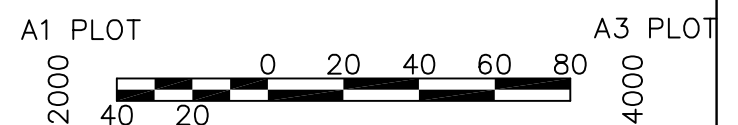
- ALL PIPES SHOWN WITH 1% FALL UNLESS OTHERWISE SPECIFIED
- GRADE ALL PREVIOUS AREAS AWAY FROM BUILDINGS.
- PROVIDE OVERFLOW PATHS THRU LANDSCAPING BEDS AS REQUIRED OR AS DIRECTED BY ENGINEER ON SITE.
- GEOFABRIC MATERIAL TO BE FITTED TO ALL OUTLET PIPES FOR ALL PITS. THIS IS REQUIRED TO STOP SEDIMENT FROM EXISTING THE PROPERTY.

STORMWATER STRUCTURE TABLE

PIT NO	DESCRIPTION	COVER RL	INVERT LEVEL	REMARKS
01/1	REFER 006	569.33	—	PUMP WELL
01/2	900x900 SQ	569.33	568.28	CLASS C(ii) — GRATED LID
01/3	600x600 SQ	569.33	568.43	CLASS C(ii) — GRATED LID
01/4	600x600 SQ	569.33	568.58	CLASS C(ii) — GRATED LID
01/5	600x600 SQ	569.33	568.73	CLASS C(ii) — GRATED LID
01/6	600x600 SQ	569.33	568.88	CLASS C(ii) — GRATED LID
02/1	600x600 SQ	569.33	568.58	CLASS C(ii) — GRATED LID
02/2	600x600 SQ	569.33	568.73	CLASS C(ii) — GRATED LID
02/3	600x600 SQ	569.33	568.88	CLASS C(ii) — GRATED LID
03/1	REFER 006	569.33	—	PUMP WELL
03/2	900x900 SQ	569.33	568.28	CLASS C(ii) — GRATED LID
03/3	600x600 SQ	569.33	568.43	CLASS C(ii) — GRATED LID
03/4	600x600 SQ	569.33	568.58	CLASS C(ii) — GRATED LID
03/5	600x600 SQ	569.33	568.73	CLASS C(ii) — GRATED LID
03/6	600x600 SQ	569.33	568.88	CLASS C(ii) — GRATED LID
04/1	600x600 SQ	569.33	568.73	CLASS C(ii) — GRATED LID
04/2	600x600 SQ	569.33	568.88	CLASS C(ii) — GRATED LID

CLASS OF GRATE AS3996.2006		
CLASS	DESIGN LOAD	TYPICAL USER
CLASS A	10kN	PEDESTRIAN
CLASS B	80kN	LIGHT VEHICLES
CLASS C(i)	150kN	LIGHT TRUCK
CLASS C(ii)	150kN	SLOW TRUCK
CLASS D	210kN	HIGHWAY VEHICLES

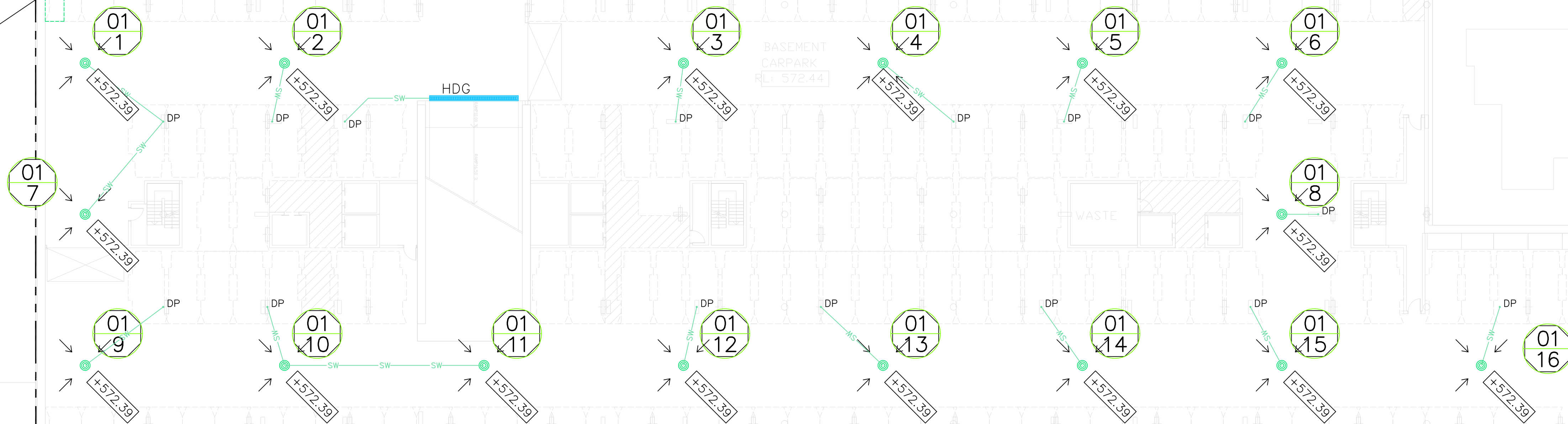
DOWNPIPES IN COLUMNS TO BE HDPE U.N.O.



No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	PROJECT	DRAWING TITLE
1	ISSUE FOR DA APPLICATION COORDINATION	M.S.	01.11.2022	D.K.			 CANBERRA SYDNEY WOLLONGONG www.indesco.com.au	SHOP TOP HOUSING LOT 2 DP117998, LOT 31 DP771673 QUEANBEYAN NSW 2620
						DRAWING No. 003		
						AMDT 1		

100Ø HIGH PRESSURE PIPE
CONNECTED TO OSD 1 AT
GROUND FLOOR.
FITTED WITH 1 WAY VALVE

DENOTES EXTENT OF OSD
ABOVE



DENOTES EXTENT OF OSD
ABOVE

100Ø HIGH PRESSURE PIPE
CONNECTED TO OSD 2 AT
GROUND FLOOR.
FITTED WITH 1 WAY VALVE

LEGEND

EXISTING SERVICES

- SITE BOUNDARY
- EXISTING STORMWATER
- EXISTING STORMWATER TO BE REMOVED
- MAJOR CONTOURS
- MINOR CONTOURS
- TREE
- EXISTING SEWER LINE

PROPOSED

- TREE TO BE REMOVED
- TREE PROTECTION FENCE
- CATCHMENT DRAIN
- STORMWATER (SUMP, GRATED PIT)
- AGI PIPE
- STORMWATER STRIP DRAIN
- HEAVY DUTY GRADE
- LIGHT DUTY GRADE
- DOWN PIPE

BASEMENT 1 STORMWATER PLAN

NOTES:

SCALE 1:200 @ A1

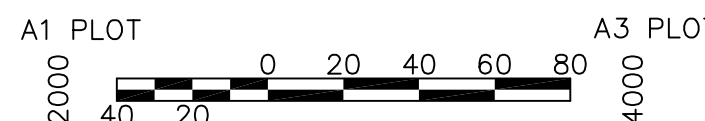
- ALL PIPES SHOWN WITH 1% FALL UNLESS OTHERWISE SPECIFIED
- GRADE ALL PREVIOUS AREAS AWAY FROM BUILDINGS.
- PROVIDE OVERFLOW PATHS THRU LANDSCAPING BEDS AS REQUIRED OR AS DIRECTED BY ENGINEER ON SITE.
- GEOFABRIC MATERIAL TO BE FITTED TO ALL OUTLET PIPES FOR ALL PITS. THIS IS REQUIRED TO STOP SEDIMENT FROM EXISTING THE PROPERTY.

STORMWATER STRUCTURE TABLE

PIT NO	DESCRIPTION	COVER RL	INVERT LEVEL	REMARKS
01/1	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/2	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/3	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/4	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/5	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/6	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/7	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/8	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/9	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/10	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/11	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/12	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/13	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/14	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/15	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID
01/6	400Ø SPS SUPERFLOW	572.39	-	CLASS C(ii) - GRATED LID

CLASS OF GRATE AS3996.2006		
CLASS	DESIGN LOAD	TYPICAL USER
CLASS A	10kN	PEDESTRIAN
CLASS B	80kN	LIGHT VEHICLES
CLASS C(i)	150kN	LIGHT TRUCK
CLASS C(ii)	150kN	SLOW TRUCK
CLASS D	210kN	HIGHWAY VEHICLES

DOWNPIPES IN COLUMNS TO BE HDPE U.N.O.



No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	ARCHITECT	PROJECT	DRAWING TITLE
1	ISSUE FOR DA APPLICATION COORDINATION	M.S.	03.11.2022	D.K.				SHOP TOP HOUSING LOT 2 DP117998, LOT 31 DP771673 QUEANBEYAN NSW 2620	BASEMENT 1 STORMWATER PLAN
						CANBERRA SYDNEY WOLLONGONG		PROJECT No.	8795-01
						www.indesco.com.au		DRAWING No.	004
								AMDT	1

PROPOSED CONNECTION TO
EXISTING STORMWATER NETWORK
MINIMUM Ø225 AT 2% FALL
Q5 = 43.8
Q100 = 76.8

100Ø HIGH PRESSURE PIPE
CONNECTED TO OSD 1 AT
GROUND FLOOR.
FITTED WITH 1 WAY VALVE

PROPOSED JUNCTION PIT
900SQ ROCLA PRECAST
PIT OR EQUIVALENT

EXISTING Ø375 PIPE

**UNDERGROUND
OSD TANK 1**
4.5m L x 1.0m W x 0.9m D
VOLUME = 4.05m³
SSR 5 YRS = 2.25m³
SSR 100 YRS = 4.00m³
TWL = 574.94m AHD
INVERT = 574.05m AHD

PROPOSED CONNECTION TO
EXISTING STORMWATER NETWORK
MINIMUM Ø225 AT 2% FALL
Q5 = 46.3
Q100 = 79.9

**UNDERGROUND
OSD TANK 2**
3.4m L x 2.2m W x 0.9m D
VOLUME = 6.7m³
SSR 5 YRS = 3.95m³
SSR 100 YRS = 6.57m³
TWL = 575.03m AHD
INVERT = 574.15m AHD

EXISTING PIT

100Ø HIGH PRESSURE PIPE
CONNECTED TO OSD 2
FITTED WITH 1 WAY VALVE

LEGEND

EXISTING SERVICES

- SW —
— SW —
— 558.0 —
— 558.2 —
— exSEW —
- SITE BOUNDARY
EXISTING STORMWATER
EXISTING STORMWATER TO BE REMOVED
MAJOR CONTOURS
MINOR CONTOURS
TREE
EXISTING SEWER LINE

PROPOSED

- CD —
— AGG — AGG —
— SW —
— HDG —
— LDG —
— ODP —
- TREE TO BE REMOVED
TREE PROTECTION FENCE
CATCHMENT DRAIN
STORMWATER (SUMP, GRATED PIT)
AGI PIPE
STORMWATER STRIP DRAIN
HEAVY DUTY GRADE
LIGHT DUTY GRADE
DOWN PIPE

GROUND FLOOR STORMWATER PLAN

NOTES:

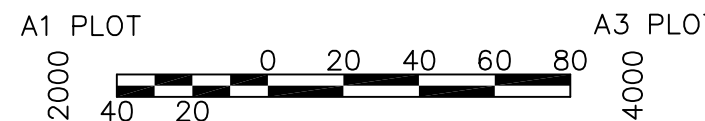
SCALE 1:200 © A1

- ALL PIPES SHOWN WITH 1% FALL UNLESS OTHERWISE SPECIFIED
- GRADE ALL PREVIOUS AREAS AWAY FROM BUILDINGS.
- PROVIDE OVERFLOW PATHS THRU LANDSCAPING BEDS AS REQUIRED OR AS DIRECTED BY ENGINEER ON SITE.
- GEOFABRIC MATERIAL TO BE FITTED TO ALL OUTLET PIPES FOR ALL PITS. THIS IS REQUIRED TO STOP SEDIMENT FROM EXISTING THE PROPERTY.

NOTE:
REFER TO HYDRAULIC ENGINEERS DRAWINGS
FOR ROOF AND RAINWATER TANK CONNECTION
TO OSD, TYPICAL.

CLASS OF GRATE AS3996.2006		
CLASS	DESIGN LOAD	TYPICAL USER
CLASS A	10kN	PEDESTRIAN
CLASS B	80kN	LIGHT VEHICLES
CLASS C(i)	150kN	LIGHT TRUCK
CLASS C(ii)	150kN	SLOW TRUCK
CLASS D	210kN	HIGHWAY VEHICLES

DOWNPIPES IN COLUMNS TO BE HDPE U.N.O.



No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT
1	ISSUE FOR DA APPLICATION COORDINATION	M.S	03.11.2022	D.K	

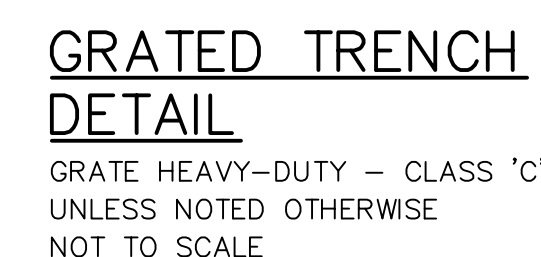
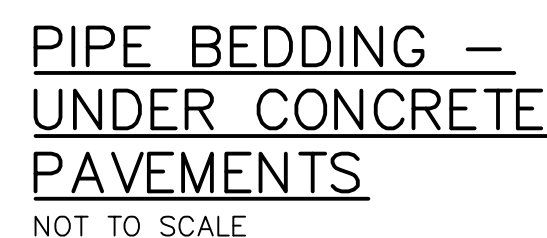


APPROVED	VL	DATE
CHECKED	VL	DATE
DESIGNED BY	TN	
DRAWN BY	BKC	
CAD FILE	H:\8795 Rutledge Street Sites\Queanbeyan\20 Drawings\201 Client\Substage 1\01 Current Drawings\8795-01-005 GROUND FLOOR STORMWATER.dwg	
SCALE	AS SHOWN	SHEET No.

PROJECT

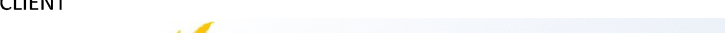
SHOP TOP HOUSING
LOT 2 DP117998, LOT 31
DP771673
QUEANBEYAN NSW 2620

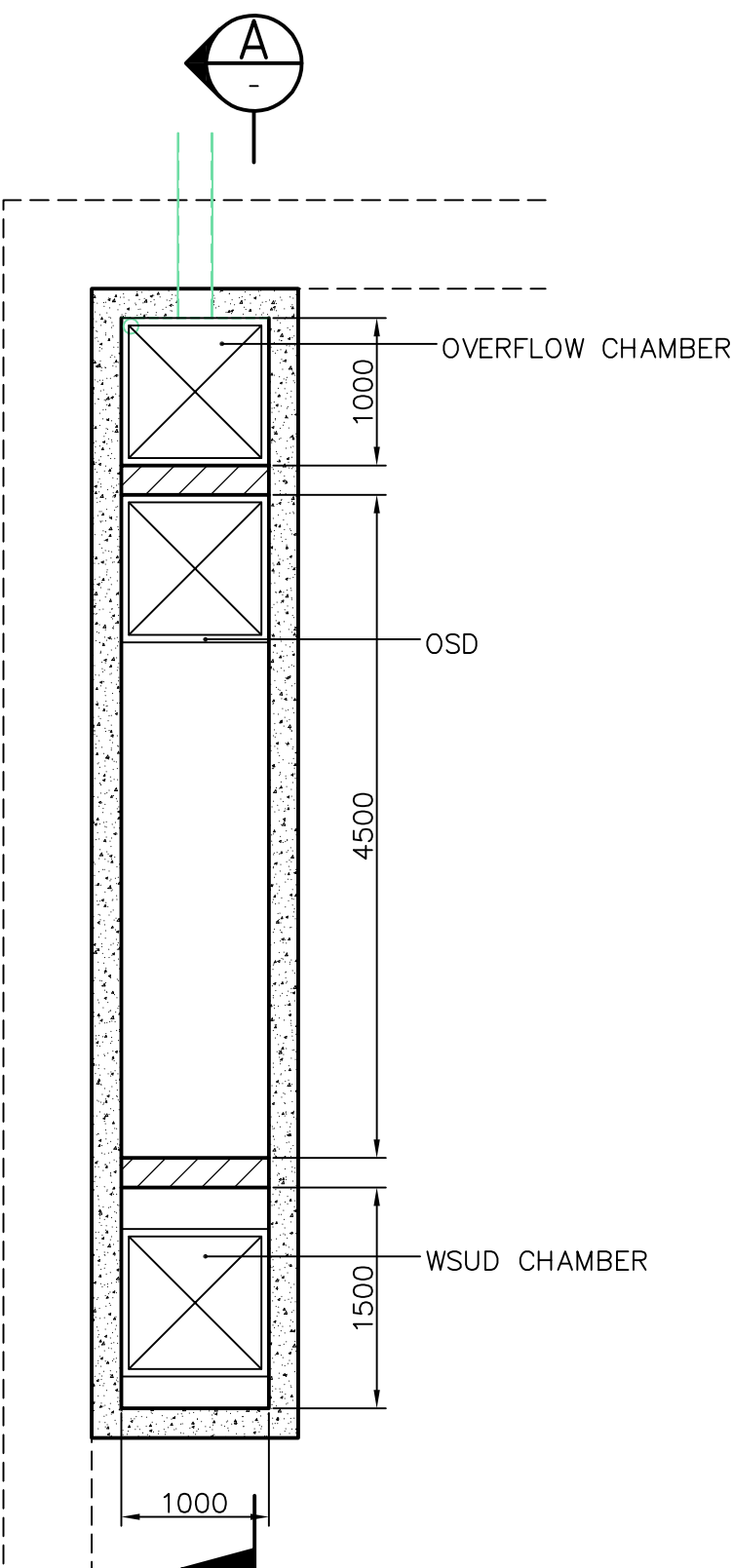
DRAWING TITLE		
GROUND FLOOR STORMWATER PLAN		
PROJECT No.	DRAWING No.	AMDT
8795-01	005	1



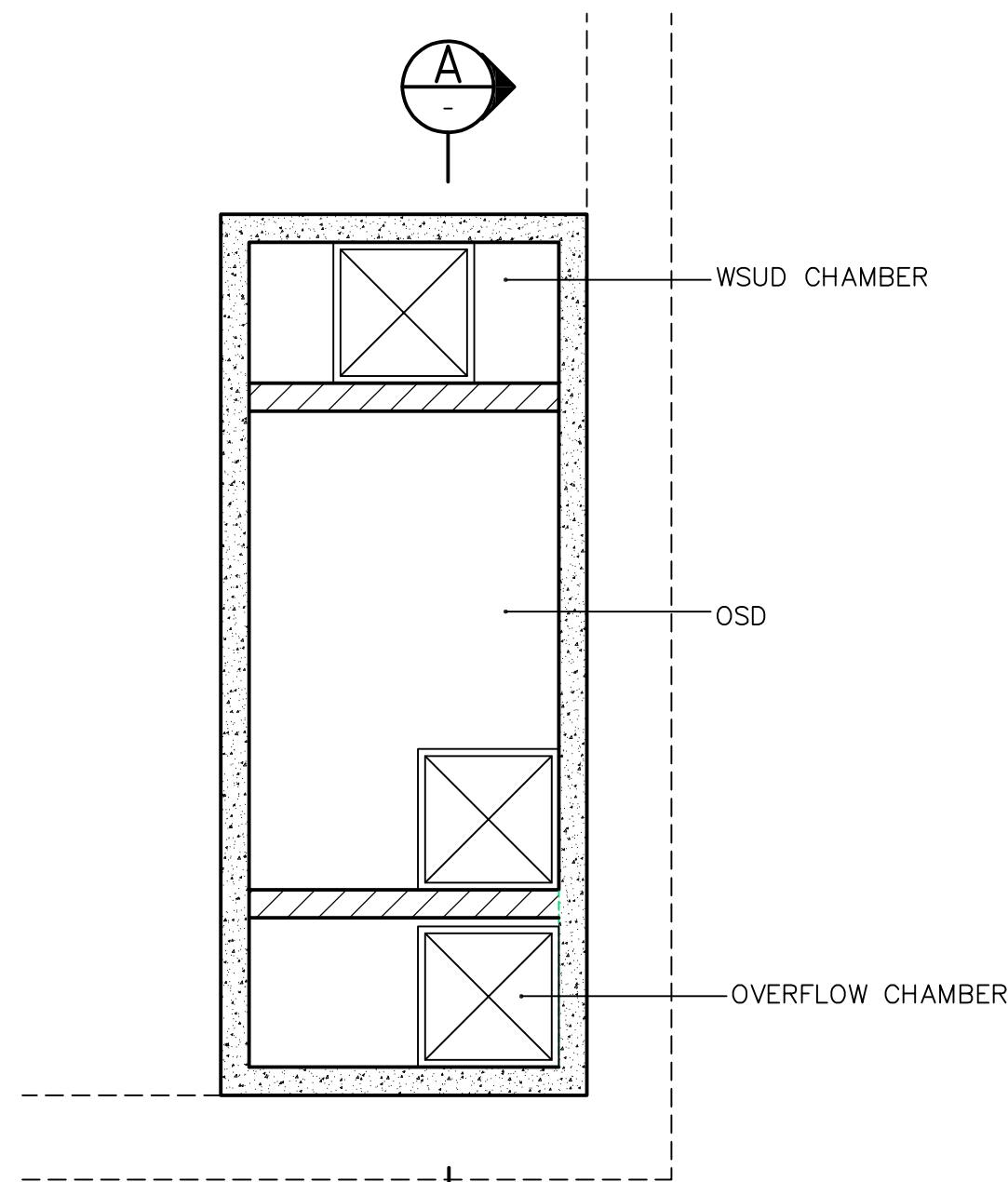
-
- SUPPLY AND INSTALL:**
APPROVED TYPE AKS INDUSTRIES ULTIMA MODEL NO. UV80,
(CONTACT: PH: 03 52741336), MICROPROCESSOR BASED DUAL
PUMPS IP65 CONTROLLER IN LOCKABLE WEATHER PROOF CABINET
400x400x210 COMPLETE WITH AUDIBLE ALARM, FLASHING LIGHT
AND BATTERY BACK UP. THE CONTROLLER SHALL BE CONNECTED
TO STAINLESS STEEL PROBES WITH LEVEL SENSING FOR:
- HIGH LEVEL ALARM
 - PUMP 2 START
 - PUMP 1 START
 - PUMP STOP
 - LOW LEVEL ALARM
- PUMPS SHALL BE WIRED TO OPERATE ON AN ALTERNATING BASIS
DURING NORMAL OPERATING CONDITIONS. LOCATE CONTROLLER
WITHIN AN APPROVED LOCKABLE HEAVY-DUTY POWDER COATED
STEEL CABINET AND POSITION BASE OF PANEL AT 1200 ABOVE
BASEMENT SLAB.
- AUDIBLE ALARM AND
FLASHING STROBE
LIGHT**
- SUPPLY AND INSTALL A GALVANISED STEEL
CONDUIT FOR ALL
EXPOSED CABLES
LOCATED ABOVE
GROUND.**
- NOTE:**
PUMP WELL STORAGE AND PUMP CAPACITY HAS NOT BEEN
DESIGNED FOR FIRE SPRINKLER TESTING.
ENGINEER TO BE INFORMED PRIOR TO CONSTRUCTION IF
EXTRA STORAGE IS REQUIRED
- BACKFILL ALL EXCAVATIONS
FOR PUMP WELL WITH 3%
CEMENT STABILISED SAND.
BACKFILL TO EXTEND WITHIN
150mm OF THE UNDERSIDE OF
THE BASEMENT SLAB.**
- REFER GEOTECHNICAL REPORT
FOR SAFE BATTER SLOPE.**
- 200 MIN THICK 40 MPa CONCRETE.
CONCRETE MUST BE POURED IN
INCREMENTS OF UP TO 1.0m DEEP AT A
TIME AND ALLOWED TO CURE PRIOR TO
NEXT POUR. REFER MANUFACTURER'S
INSTRUCTIONS AND SPECIFICATIONS.**
- GATIC CLASS 'D' FRAME**
- BASEMENT SLAB**
- NON RETURN
REFLUX
VALVE**
- 50 DIA CLASS 12
UPVC DISCHARGE PIPE**
- REFER PLAN**
- SUPPLY AND INSTALL 'ULTIMA' PACKAGED
PUMP STATION, WITH CLASS-D GATIC GRATE
AND FRAME WITH DUTY AND STANDBY PUMPS
INSTALLED TO MANUFACTURER'S INSTRUCTIONS
AND RECOMMENDATIONS.**
- SUPPLY AND INSTALL TWO No. AKS INDUSTRIES
'ULTIMA' UD50 (PH: 03 52741336) (1.7kW) OR
EQUAL APPROVED TYPE 415V/3Ph/50Hz
STORMWATER SUBMERSIBLE PUMPS CAPABLE
OF A FLOW RATE OF 5.0 LITRES PER SECOND
AT 10.0 METRES HEAD. PUMPS TO BE
INSTALLED COMPLETE WITH GUIDE RAIL LIFT
AND AUTO-COUPLING SYSTEM, FIXING
BRACKETS AND STAINLESS STEEL PROBES TO
MANUFACTURER'S REQUIREMENTS AND
RECOMMENDATIONS.**
- 19mm HOLES FOR REINFORCEMENT BARS
TO LOCK PUMPWELL INTO CONCRETE.**
- RL TBC**
- 200** **1800 DIA** **200**
- 150** **150**

NOTE: PROVIDE TEMPORARY GROUND WATER DE-WATERING BY SPEARS OR OTHER MEANS APPROVED BY THE GEOTECHNICAL ENGINEER IN THE VICINITY OF THE PUMP WELL PRIOR TO COMMENCING WORKS. THE TEMPORARY DE-WATERING SHALL REMAIN IN PLACE UNTIL THE PUMP WELL IS FULLY CONSTRUCTED.

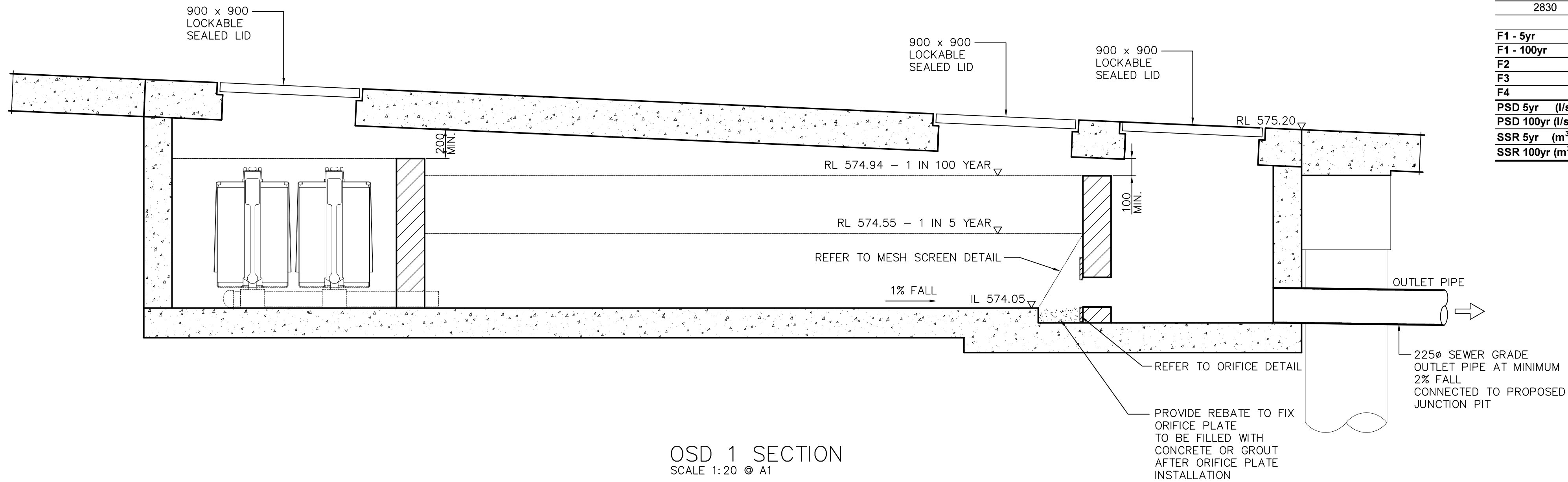
No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	 INDESCO CANBERRA SYDNEY WOLLONGONG www.indesco.com.au		 KASPAREK ARCHITECTS architects@kasperek.com.au		 The Village Building Co Est. 1988		 CONSULT AUSTRALIA		 DHSAS ISO 9001		 DHSAS ISO 14001		 DHSAS ISO 45001		 DHSAS ISO 27001		 DHSAS ISO 50001		 DHSAS ISO 22301		 DHSAS ISO 26000		 DHSAS ISO 28000		 DHSAS ISO 31000		 DHSAS ISO 33000		 DHSAS ISO 34000		 DHSAS ISO 35000		 DHSAS ISO 36000		 DHSAS ISO 37000		 DHSAS ISO 38000		 DHSAS ISO 39000		 DHSAS ISO 40000		 DHSAS ISO 41000		 DHSAS ISO 42000		 DHSAS ISO 43000		 DHSAS ISO 44000		 DHSAS ISO 45000		 DHSAS ISO 46000		 DHSAS ISO 47000		 DHSAS ISO 48000		 DHSAS ISO 49000		 DHSAS ISO 50000		 DHSAS ISO 51000		 DHSAS ISO 52000		 DHSAS ISO 53000		 DHSAS ISO 54000		 DHSAS ISO 55000		 DHSAS ISO 56000		 DHSAS ISO 57000		 DHSAS ISO 58000		 DHSAS ISO 59000		 DHSAS ISO 60000		 DHSAS ISO 61000		 DHSAS ISO 62000		 DHSAS ISO 63000		 DHSAS ISO 64000		 DHSAS ISO 65000		 DHSAS ISO 66000		 DHSAS ISO 67000		 DHSAS ISO 68000		 DHSAS ISO 69000		 DHSAS ISO 70000		 DHSAS ISO 71000		 DHSAS ISO 72000		 DHSAS ISO 73000		 DHSAS ISO 74000		 DHSAS ISO 75000		 DHSAS ISO 76000		 DHSAS ISO 77000		 DHSAS ISO 78000		 DHSAS ISO 79000		 DHSAS ISO 80000		 DHSAS ISO 81000	
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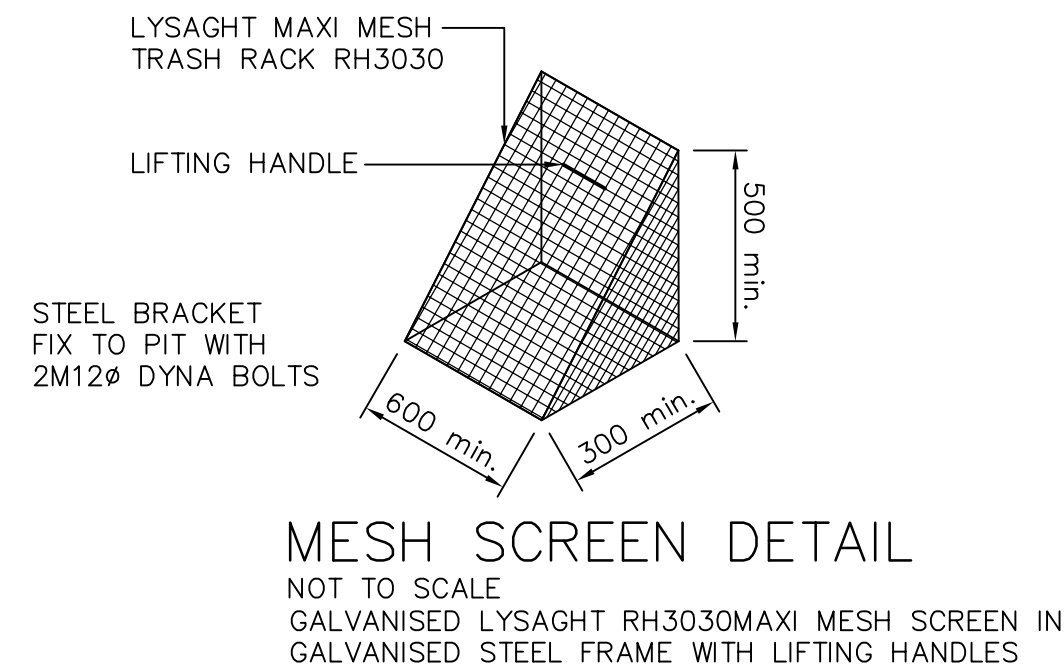
OSD 1 PLAN
SCALE 1:50 AT A1



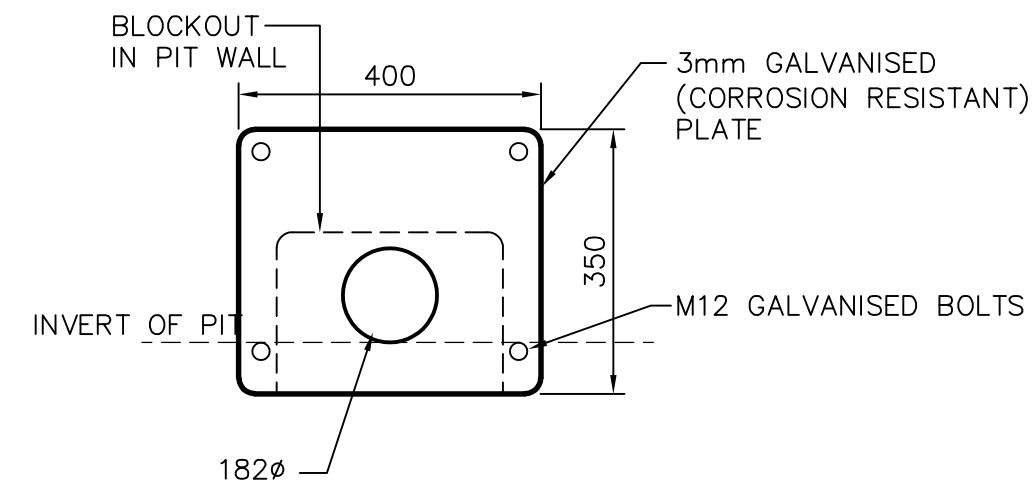
OSD 2 PLAN
SCALE 1:50 AT A1



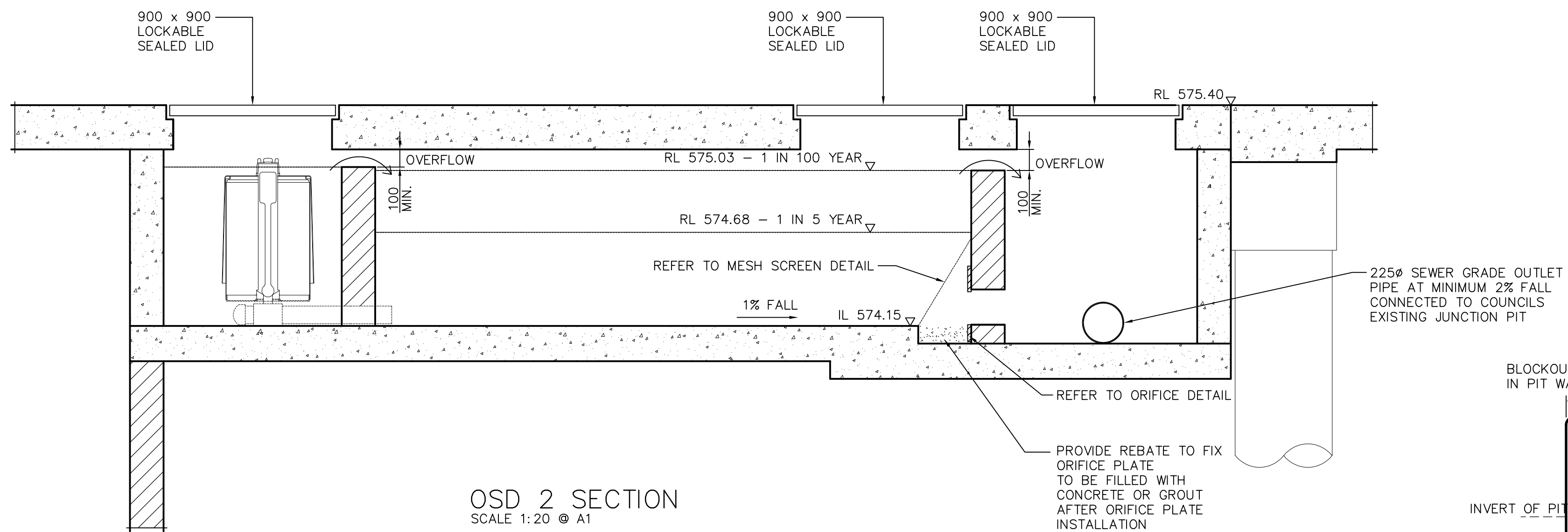
OSD 1 SECTION
SCALE 1:20 @ A1



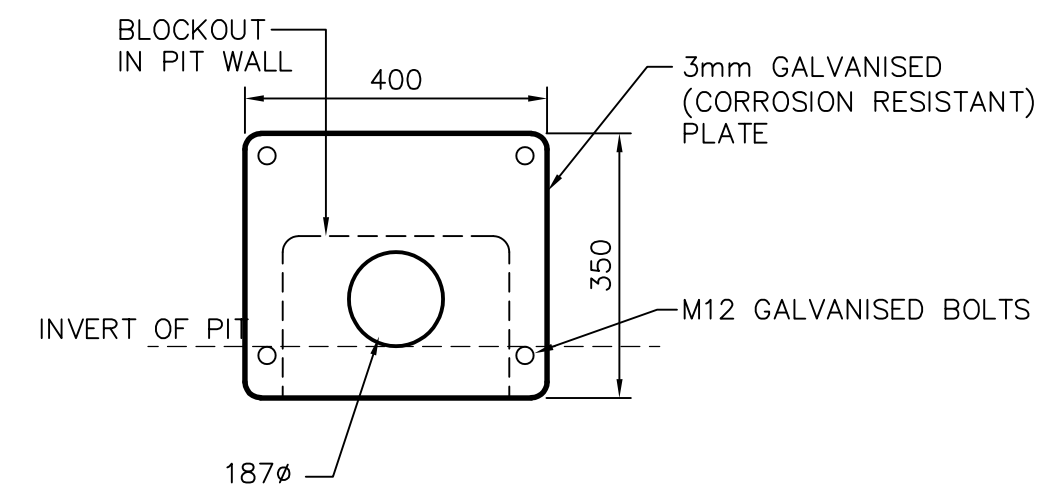
MESH SCREEN DETAIL
NOT TO SCALE
GALVANISED LYSAGHT RH3030 MAXI MESH SCREEN IN GALVANISED STEEL FRAME WITH LIFTING HANDLES



OSD 1 ORIFICE PLATE DETAIL
(NOT TO SCALE)



OSD 2 SECTION
SCALE 1:20 @ A1



OSD 2 ORIFICE PLATE DETAIL
(NOT TO SCALE)

OSD Calculator

Job Description: OSD 1 - Rutledge Street Queanbeyan

Tributary Area (m ²)	% IMP Existing Conditions	% IMP Developed Conditions	I _{1hr,50yr} (mm/hr) read from fig =>
2830	98.0	100.0	43.8
	Natural	Existing	Post Development
F1 - 5yr	1.00	1.22	1.22
F1 - 100yr	1.00	1.22	1.22
F2	1.09		
F3		0.19	0.19
F4		0.73	0.73
PSD 5yr (l/s/ha)	127	155	155
PSD 100yr (l/s/ha)	222	271	272
SSR 5yr (m ³ /ha)		36	44
SSR 100yr (m ³ /ha)		64	78

OSD Requirements	
Flow 5yr (l/s)	43.8
Flow 100yr (l/s)	76.8
Volume 5yr (m ³)	2.25
Volume 100yr (m ³)	4.00

Orifice Discharge Calculations	
Engineer:	MS
Job Address:	Rutledge Street QUEANBEYAN
Job No.:	8795
Equation:	Q = CA (2gh) ^{0.5}
Discharge, Q _s	0.0438 m ³ /s
Coefficient of Discharge, C	0.61
Acceleration to gravity, g	9.81 m/s ²
Depth of Water, h ₅	0.388 m
Orifice area, A	0.02602 m ²
Orifice Size:	Diameter of Orifice 182 mm

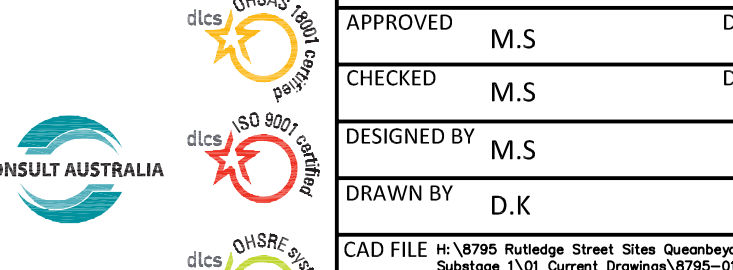
OSD Calculator

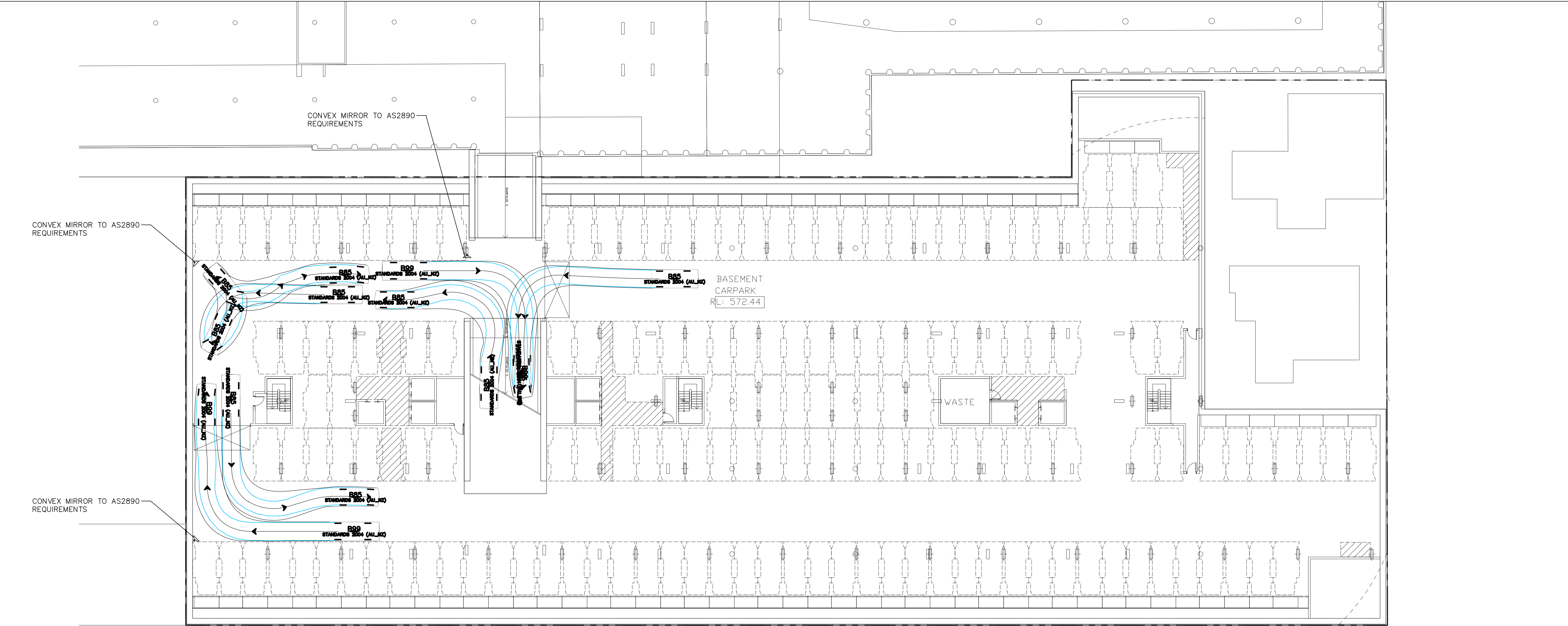
Job Description: OSD 2 - Rutledge Street Queanbeyan

Tributary Area (m ²)	% IMP Existing Conditions	% IMP Developed Conditions	I _{1hr,50yr} (mm/hr) read from fig =>
3080	68.0	100.0	43.8
	Natural	Existing	Post Development
F1 - 5yr	1.00	1.19	1.22
F1 - 100yr	1.00	1.17	1.22
F2	1.08		
F3		0.16	0.19
F4		0.74	0.74
PSD 5yr (l/s/ha)	127	150	154
PSD 100yr (l/s/ha)	221	259	271
SSR 5yr (m ³ /ha)		31	44
SSR 100yr (m ³ /ha)		54	76

OSD Requirements	
Flow 5yr (l/s)	46.3
Flow 100yr (l/s)	79.9
Volume 5yr (m ³)	3.95
Volume 100yr (m ³)	6.57

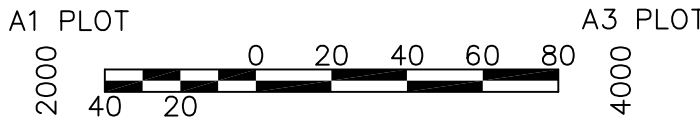
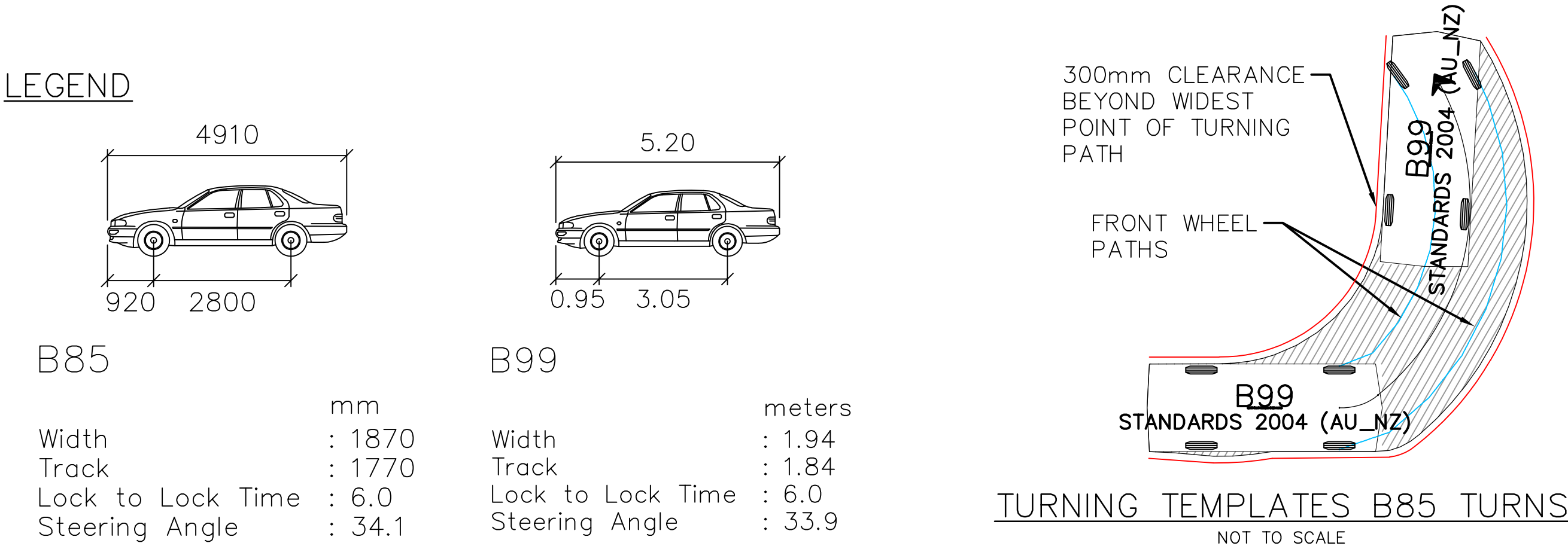
Orifice Discharge Calculations	
Engineer:	MS
Job Address:	Rutledge Street QUEANBEYAN
Job No.:	8795
Equation:	Q = CA (2gh) ^{0.5}
Discharge, Q _s	0.0463 m ³ /s
Coefficient of Discharge, C	0.61
Acceleration to gravity, g	9.81 m/s ²
Depth of Water, h ₅	0.388 m
Orifice area, A	0.02751 m ²
Orifice Size:	Diameter of Orifice 187 mm

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	PROJECT	DRAWING TITLE
1	ISSUE FOR DA APPLICATION COORDINATION	M.S.	01.11.2022	D.K.				
						CANBERRA SYDNEY WOLLONGONG	SHOP TOP HOUSING LOT 2 DP117998, LOT 31 DP771673 QUEANBEYAN NSW 2620	OSD DETAILS AND CALCULATIONS
						www.indesco.com.au	AS SHOWN	PROJECT No. 8795-01
								DRAWING No. 007
								AMDT 1

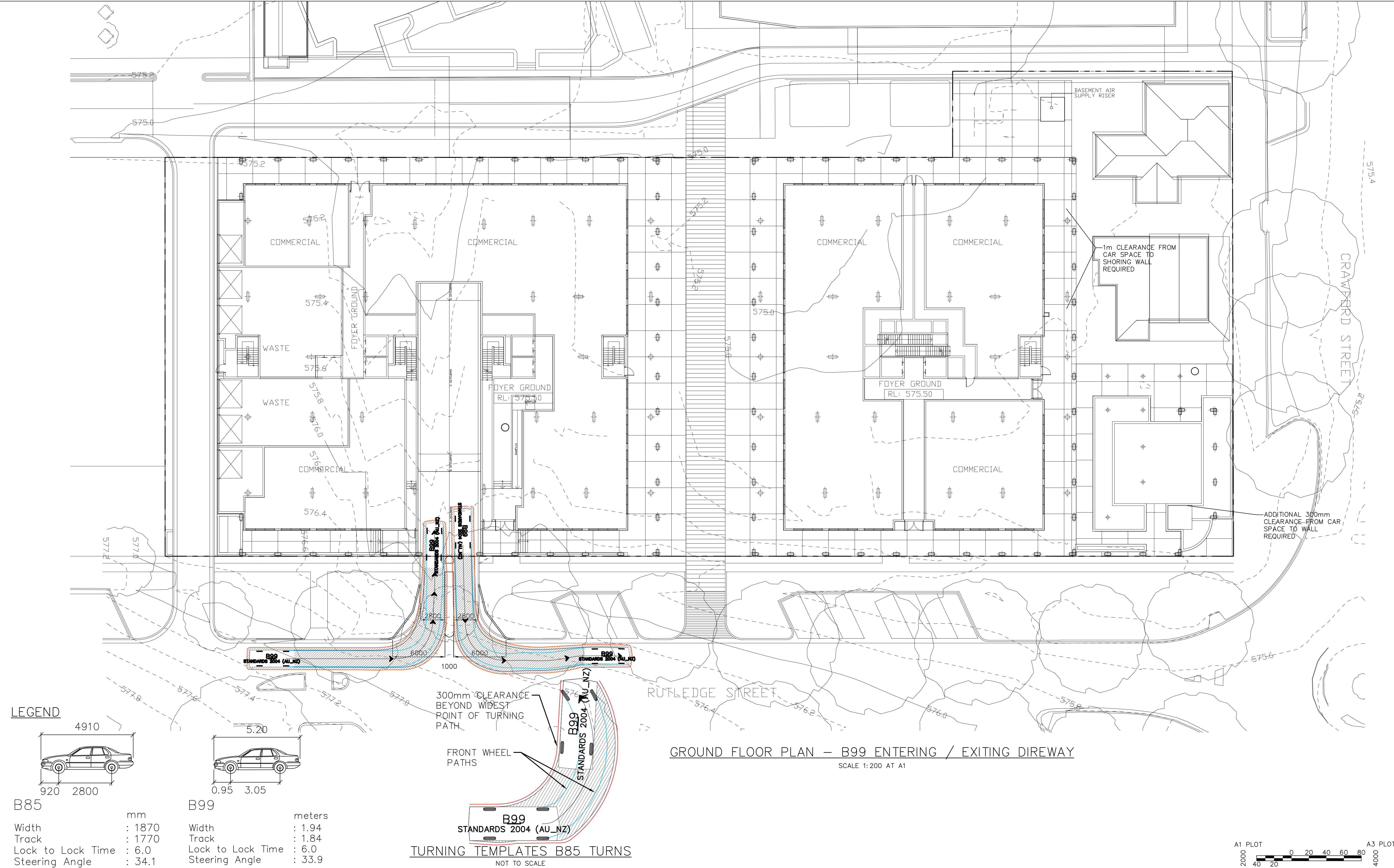


BASEMEN 1 PLAN – B85 PASSING B99
SCALE 1:200 AT A1

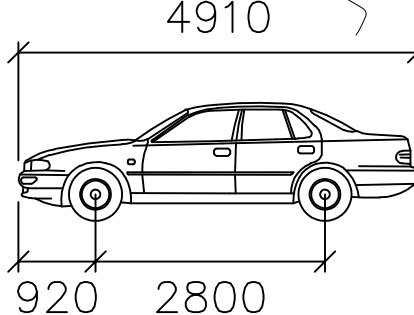
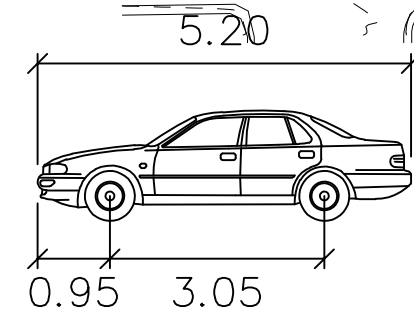
LEGEND



No.					AMENDMENT					APPROVED					DATE					AMENDED BY					ARCHITECT					CLIENT					INDESCO					CONSULT AUSTRALIA					DISAS					DISAS					DISAS					PROJECT					DRAWING TITLE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														



LEGEND

	
B85	B99
Width : 1870	Width : 1.94
Track : 1770	Track : 1.84
Lock to Lock Time : 6.0	Lock to Lock Time : 6.0
Steering Angle : 34.1	Steering Angle : 33.9

TURNING TEMPLATES B85 TURNS
NOT TO SCALE

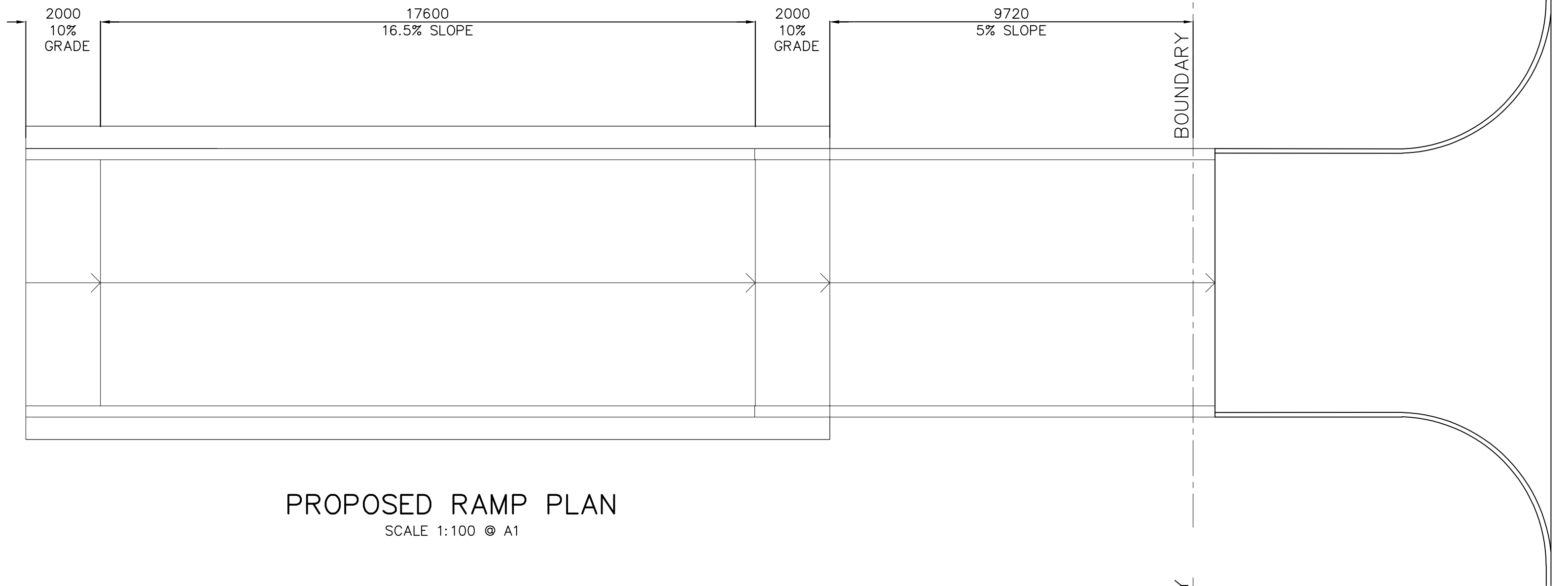
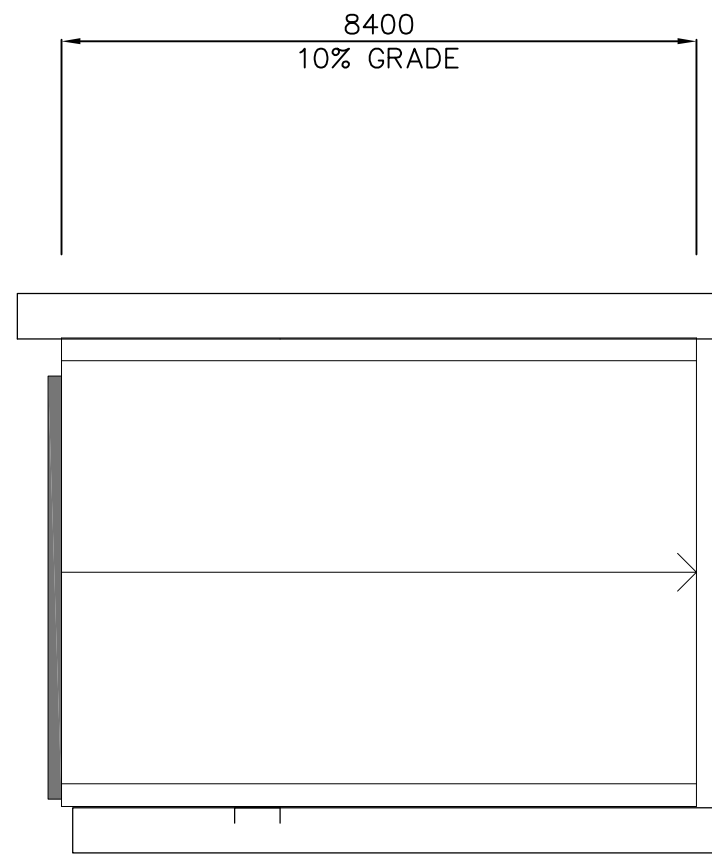
GROUND FLOOR PLAN – B99 ENTERING / EXITING DIREWAY
SCALE 1:200 AT A1

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT
1	ISSUE FOR DA APPLICATION COORDINATION	M.S	03.11.2022	D.K	



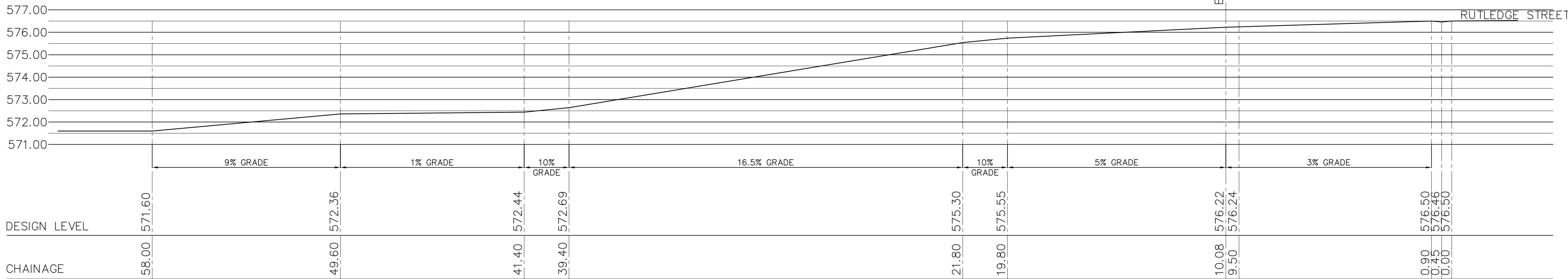
APPROVED	M.S	DATE
CHECKED	M.S	DATE
DESIGNED BY	D.K	
DRAWN BY	D.K	
CAD FILE	H:\8795 Rutledge Street Sites\Queanbeyan\20 Drawings\2011 Civil\01 Substage 1\01 Current Drawings\8795-01-022 SWEEP PATH ANALYSIS	
SCALE	AS SHOWN	SHEET No.

PROJECT	SHOP TOP HOUSING LOT 2 DP117998, LOT 31 DP771673 QUEANBEYAN NSW 2620
DRAWING TITLE	GROUND FLOOR SWEPT PATH ANALYSIS
PROJECT No.	8795-01
DRAWING No.	022
AMDT	1

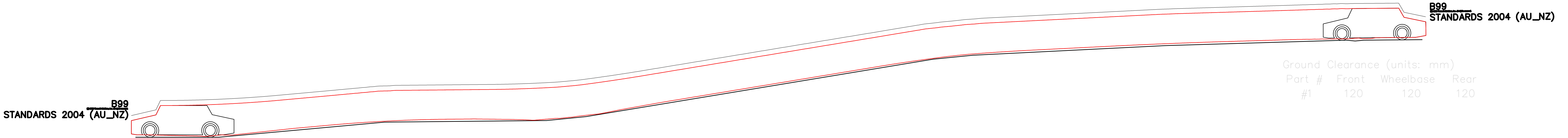


RUTLEDGE STREET

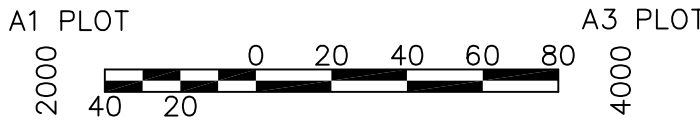
PROPOSED RAMP PLAN
SCALE 1:100 © A1



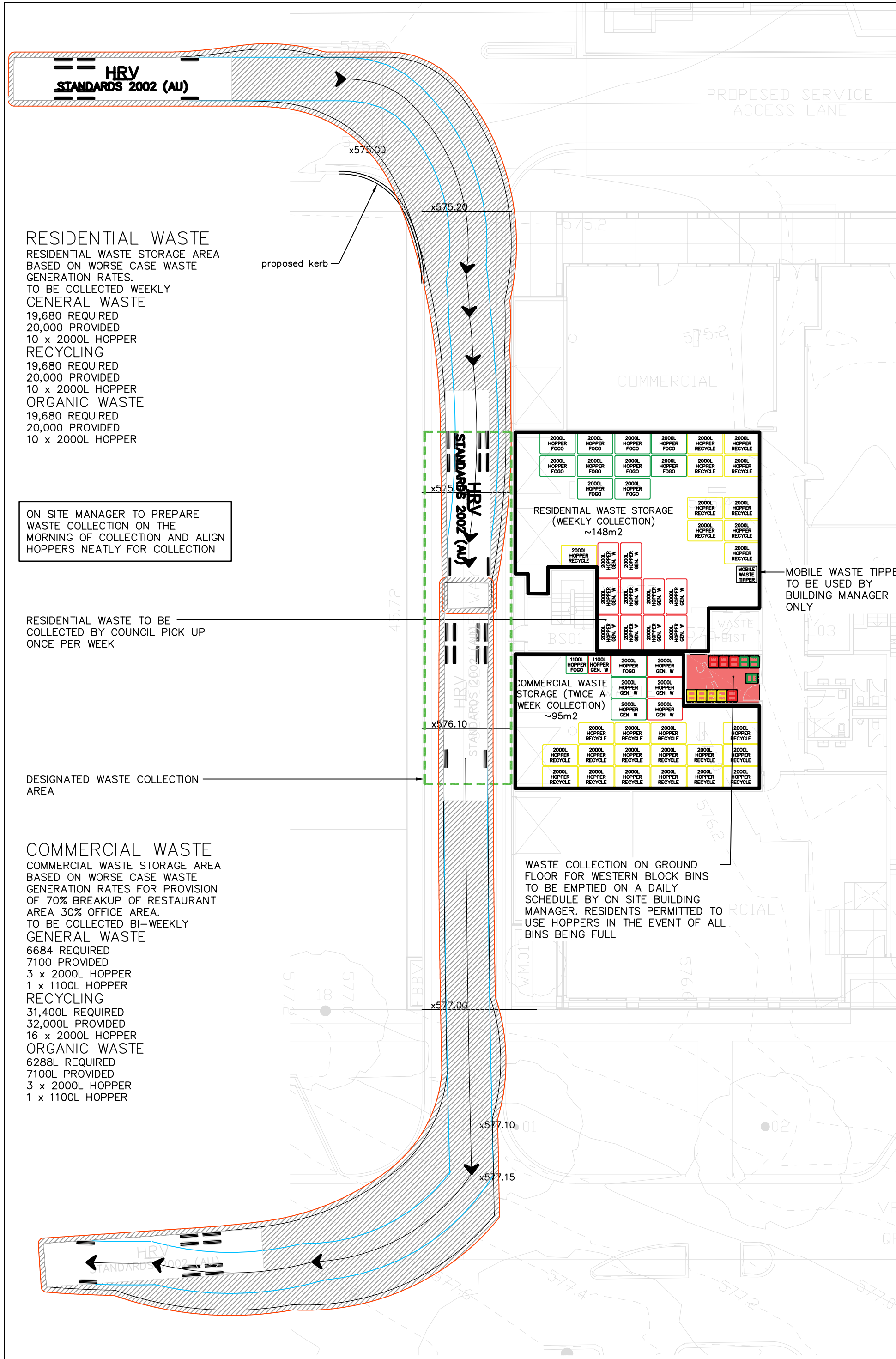
DRIVEWAY LONG SECTION
SCALE 1:100 © A1



B99 VERTICAL SIMULATION
SCALE 1:100 © A1



No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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PROPOSED LANEWAY AND BIN COLLECTION AREA
SCALE 1:200 @ A1

LEGEND

RESIDENTIAL WASTE STORAGE (WEEKLY COLLECTION) ~148m2

COMMERCIAL WASTE STORAGE (TWICE A WEEK COLLECTION) ~95m2

WASTE COLLECTION ON GROUND FLOOR FOR WESTERN BLOCK BINS TO BE EMPTIED ON A DAILY SCHEDULE BY ON SITE BUILDING MANAGER. RESIDENTS PERMITTED TO USE HOPPERS IN THE EVENT OF ALL BINS BEING FULL

DESIGNATED WASTE COLLECTION AREA

ON SITE MANAGER TO PREPARE WASTE COLLECTION ON THE MORNING OF COLLECTION AND ALIGN HOPPERS NEATLY FOR COLLECTION

RESIDENTIAL WASTE TO BE COLLECTED BY COUNCIL PICK UP ONCE PER WEEK

COMMERCIAL WASTE STORAGE AREA BASED ON WORSE CASE WASTE GENERATION RATES FOR PROVISION OF 70% BREAKUP OF RESTAURANT AREA 30% OFFICE AREA. TO BE COLLECTED BI-WEEKLY GENERAL WASTE 6684 REQUIRED 7100 PROVIDED 3 x 2000L HOPPER 1 x 1100L HOPPER RECYCLING 31,400L REQUIRED 32,000L PROVIDED 16 x 2000L HOPPER ORGANIC WASTE 6288L REQUIRED 7100L PROVIDED 3 x 2000L HOPPER 1 x 1100L HOPPER

general waste

RESIDENTIAL EAST											
GENERAL WASTE PER FLOOR	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7	LEVEL 8	LEVEL 9	total	Bins/Apartment size (L)
1 BED	4	4	4	4	4	4	4	4	2	2	32
2 BED	4	4	4	4	4	4	4	4	2	2	32
3 BED	2	2	2	2	2	2	2	2	2	2	18
Bin Litres/Level	960	960	960	960	960	960	960	960	720	600	8040

RESIDENTIAL WEST											
GENERAL WASTE PER FLOOR	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7	LEVEL 8	LEVEL 9	total	Bins/Apartment size (L)
1 BED	4	4	4	4	4	4	4	4	1	1	30
2 BED	8	4	8	4	8	4	7	2	3	48	5760
3 BED	2	2	2	2	2	2	2	2	3	19	2280
Bin Litres/Level	1680	1200	1680	960	1360	960	1560	600	840	11640	

recycling waste

RESIDENTIAL EAST											
RECYCLING PER FLOOR	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7	LEVEL 8	LEVEL 9	total	Bins/Apartment size (L)
1 BED	4	4	4	4	4	4	4	4	2	2	32
2 BED	4	4	4	4	4	4	4	4	2	2	32
3 BED	2	2	2	2	2	2	2	2	2	2	18
Bin Litres/Level	960	960	960	960	960	960	960	960	720	600	8040

RESIDENTIAL WEST											
RECYCLING PER FLOOR	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7	LEVEL 8	LEVEL 9	total	Bins/Apartment size (L)
1 BED	4	4	4	4	4	4	4	4	1	1	30
2 BED	8	4	8	4	8	4	7	2	3	48	5760
3 BED	2	2	2	2	2	2	2	2	3	19	2280
Bin Litres/Level	1680	1200	1680	960	1360	960	1560	600	840	11640	

organic wastes

RESIDENTIAL EAST											
GENERAL WASTE PER FLOOR	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7	LEVEL 8	LEVEL 9	total	Bins/Apartment size (L)
1 BED	4	4	4	4	4	4	4	4	2	2	32
2 BED	4	4	4	4	4	4	4	4	2	2	32
3 BED	2	2	2	2	2	2	2	2	2	2	18
Bin Litres/Level	960	960	960	960	960	960	960	960	720	600	8040

RESIDENTIAL WEST											
GENERAL WASTE PER FLOOR	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7	LEVEL 8	LEVEL 9	total	Bins/Apartment size (L)
1 BED	4	4	4	4	4	4	4	4	1	1	30
2 BED	8	4	8	4	8	4	7	2	3	48	5760
3 BED	2	2	2	2	2	2	2	2	3	19	2280
Bin Litres/Level	1680	1200	1680	960	1360	960	1560	600	840	11640	

WASTE GENERATION RATES PROVIDED
BASED ON FEEDBACK WITH COUNCIL

commercial (% dedication)
general waste (70%/30%)

Commercial WEST				
Type of Com	No. of Area	Waste/Unit/	Total Waste	No. Bins
Retail : 70%		997.5	100	6982.5
Retail : 30%		427.5	20	598.5
Total		1425	120	7581

recycling waste (70%/30%)

Commercial WEST				
Type of Com	No. of Area	Waste/Unit/	Total Waste	No. Bins
Retail : 70%		997.5	500	34912.5
Retail : 30%		427.5	25	748.125
Total		1425	525	35660.625

organic waste (70%/30%)

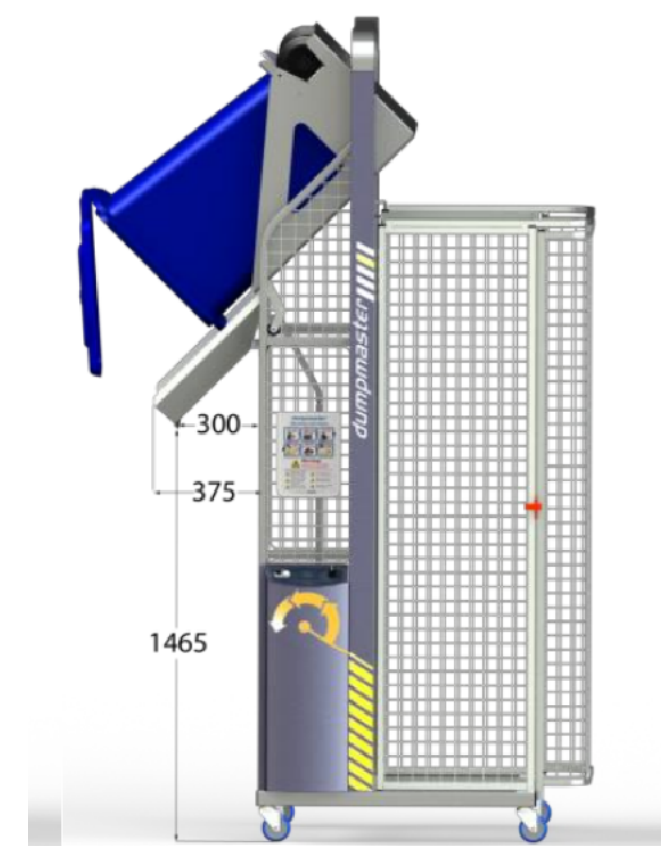
Commercial WEST				
Type of Com	No. of Area	Waste/Unit/	Total Waste	No. Bins
Retail : 70%		997.5	100	6982.5
Retail : 30%		427.5	5	149.625
Total		1425	105	7132.125

WASTE GENERATION RATES PROVIDED
BASED ON FEEDBACK WITH COUNCIL

Commercial EAST					
Type of Commerce	No. of Area	Waste/Unit/	Total Waste	Bin Size	No. Bins
Retail : 70% Restaurant		761.6	100	5331.2	2000L Hopper
Retail : 30% Offices		326.4	20	456.96	240L Bin
Total		1088	120	5788.16	

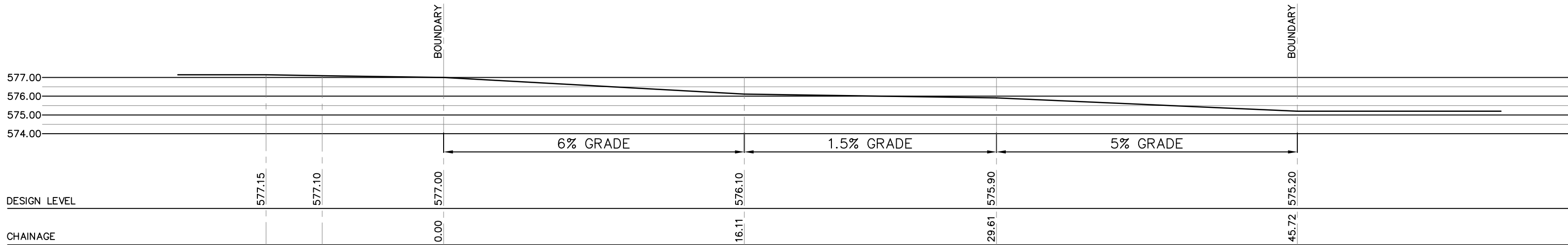
Commercial EAST					
Type of Commerce	No. of Area	Waste/Unit/	Total Waste	Bin Size	No. Bins
Retail : 70% Restaurant		761.6	500	26656	2000L Hopper
Retail : 30% Offices		326.4	25	571.2	240L Bin
Total		1088	525	27227.2	

Commercial EAST					
Type of Commerce	No. of Area	Waste/Unit/	Total Waste	Bin Size	No. Bins
Retail : 70% Restaurant		761.6	100	5331.2	2000L Hopper
Retail : 30% Offices		326.4	5	114.24	2000L Hopper
Total		1088	105	5445.44	240L Bin



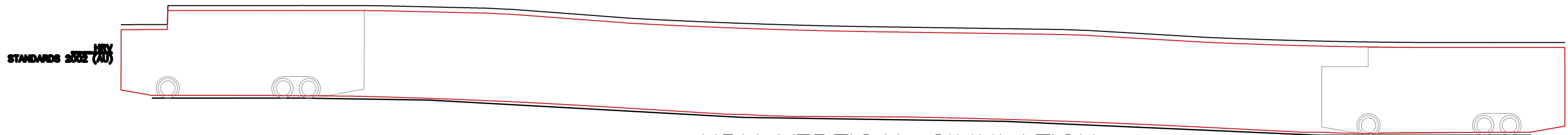
DM1800 with 300mm
chute & 240L bin

MOBILE BIN TIPPER



LANEWAY LONG SECTION

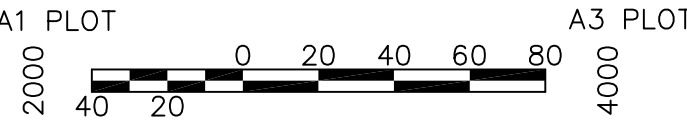
SCALE 1:200 @ A1



HRV VERTICAL SIMULATION

SCALE 1:200 @ A1

Ground Clearance (units: mm)
Port # Front Wheelbase Rear
#1 150 150 150



No.

AMENDMENT

APPROVED

DATE

AMENDED BY

ARCHITECT

2

ISSUE FOR DA APPLICATION

M.S

09.12.2022

D.K

1

ISSUE FOR DA APPLICATION COORDINATION

M.S

03.11.2022

D.K

kasperek

architects@kasperek.com.au

The Village

Building Co Est.1988

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www.indesco.com.au

CONSULT AUSTRALIA

APPROVED

M.S

DATE

CHECKED

M.S

DATE

DESIGNED BY

D.K

DRAWN BY

D.K

CAD FILE H:\0790 Ruledge Street Sites Queanbeyan\20 Drawings\20.1 Civil\01 Substage 1\01 Current Drawings\0795-01-030 WASTE COLLECTION.dwg

SCALE

AS SHOWN

SHEET No.

PROJECT

SHOP TOP HOUSING
LOT 2 DP117998, LOT 31
DP771673
QUEANBEYAN NSW 2620

DRAWING TITLE

WASTE COLLECTION
PROPOSED LANEWAY
LOADING ZONE

PROJECT No.

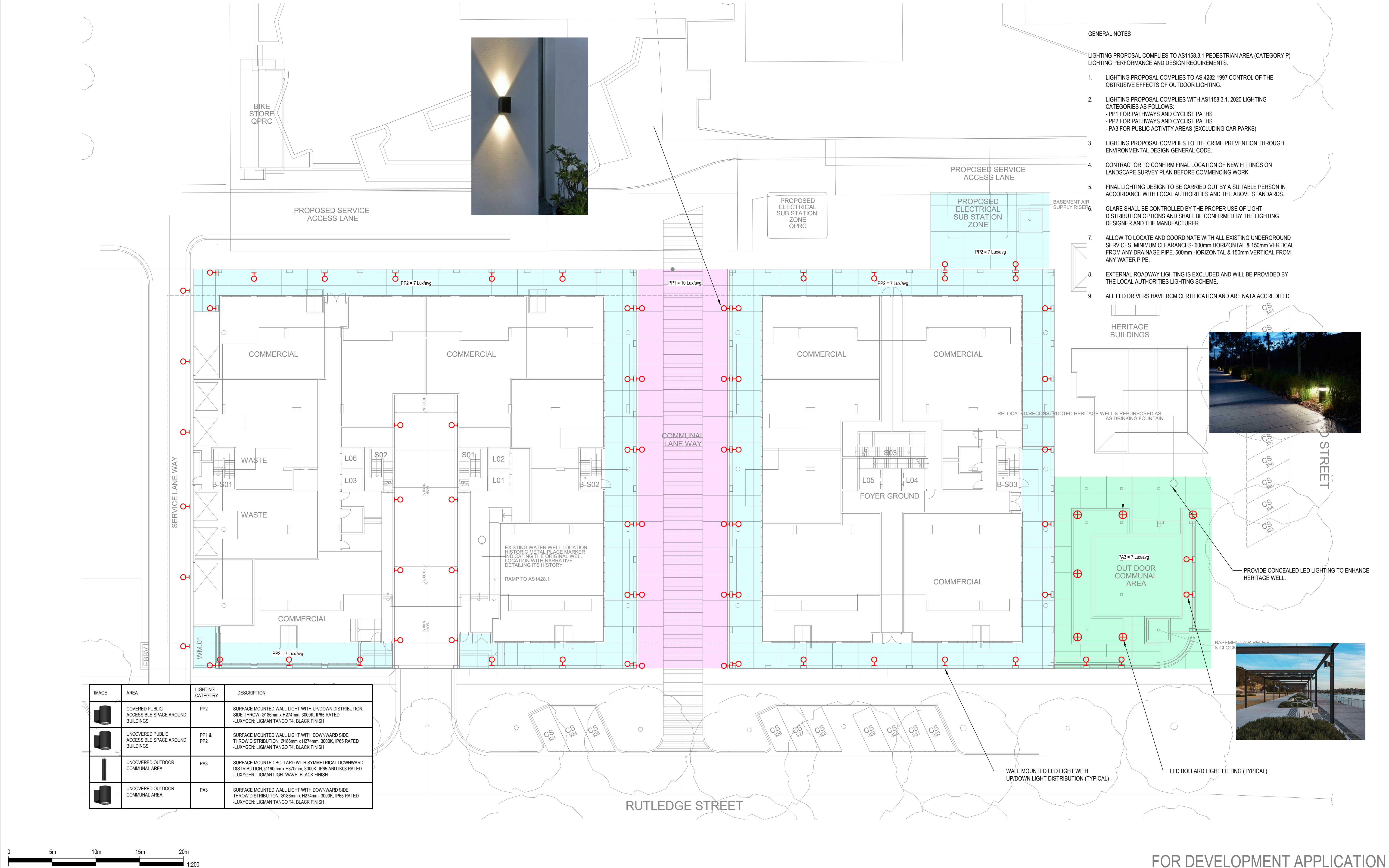
8795-01

DRAWING No.

030

AMDT

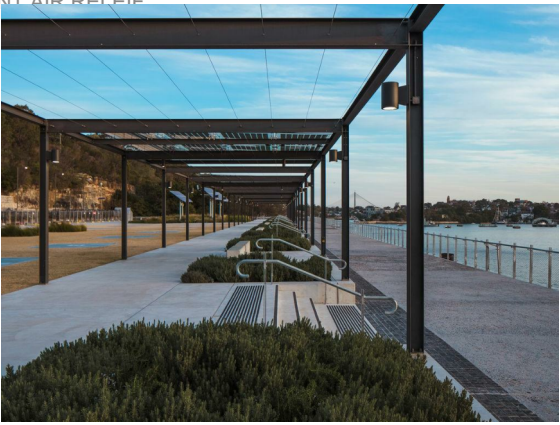
2



- GENERAL NOTES**
- LIGHTING PROPOSAL COMPLIES TO AS1158.3.1 PEDESTRIAN AREA (CATEGORY P) LIGHTING PERFORMANCE AND DESIGN REQUIREMENTS.
- LIGHTING PROPOSAL COMPLIES TO AS 4282-1997 CONTROL OF THE OBTRUSIVE EFFECTS OF OUTDOOR LIGHTING.
 - LIGHTING PROPOSAL COMPLIES WITH AS1158.3.1. 2020 LIGHTING CATEGORIES AS FOLLOWS:
 - PP1 FOR PATHWAYS AND CYCLIST PATHS
 - PP2 FOR PATHWAYS AND CYCLIST PATHS
 - PA3 FOR PUBLIC ACTIVITY AREAS (EXCLUDING CAR PARKS)
 - LIGHTING PROPOSAL COMPLIES TO THE CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN GENERAL CODE.
 - CONTRACTOR TO CONFIRM FINAL LOCATION OF NEW FITTINGS ON LANDSCAPE SURVEY PLAN BEFORE COMMENCING WORK.
 - FINAL LIGHTING DESIGN TO BE CARRIED OUT BY A SUITABLE PERSON IN ACCORDANCE WITH LOCAL AUTHORITIES AND THE ABOVE STANDARDS.
 - GLARE SHALL BE CONTROLLED BY THE PROPER USE OF LIGHT DISTRIBUTION OPTIONS AND SHALL BE CONFIRMED BY THE LIGHTING DESIGNER AND THE MANUFACTURER
 - ALLOW TO LOCATE AND COORDINATE WITH ALL EXISTING UNDERGROUND SERVICES. MINIMUM CLEARANCES- 600mm HORIZONTAL & 150mm VERTICAL FROM ANY DRAINAGE PIPE. 500mm HORIZONTAL & 150mm VERTICAL FROM ANY WATER PIPE.
 - EXTERNAL ROADWAY LIGHTING IS EXCLUDED AND WILL BE PROVIDED BY THE LOCAL AUTHORITIES LIGHTING SCHEME.
 - ALL LED DRIVERS HAVE RCM CERTIFICATION AND ARE NATA ACCREDITED.



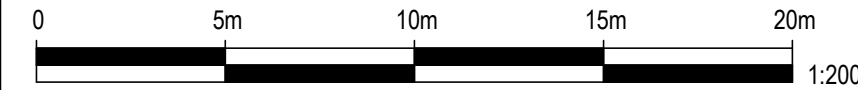
PROVIDE CONCEALED LED LIGHTING TO ENHANCE HERITAGE WELL.



LED BOLLARD LIGHT FITTING (TYPICAL)

WALL MOUNTED LED LIGHT WITH UP/DOWN LIGHT DISTRIBUTION (TYPICAL)

IMAGE	AREA	LIGHTING CATEGORY	DESCRIPTION
	COVERED PUBLIC ACCESSIBLE SPACE AROUND BUILDINGS	PP2	SURFACE MOUNTED WALL LIGHT WITH UP/DOWN DISTRIBUTION, SIDE THROW, Ø186mm x H274mm, 3000K, IP65 RATED -LUXYGEN: LIGMAN TANGO T4, BLACK FINISH
	UNCOVERED PUBLIC ACCESSIBLE SPACE AROUND BUILDINGS	PP1 & PP2	SURFACE MOUNTED WALL LIGHT WITH DOWNWARD SIDE THROW DISTRIBUTION, Ø186mm x H274mm, 3000K, IP65 RATED -LUXYGEN: LIGMAN TANGO T4, BLACK FINISH
	UNCOVERED OUTDOOR COMMUNAL AREA	PA3	SURFACE MOUNTED BOLLARD WITH SYMMETRICAL DOWNWARD DISTRIBUTION, Ø186mm x H870mm, 3000K, IP65 AND IK08 RATED -LUXYGEN: LIGMAN LIGHTWAVE, BLACK FINISH
	UNCOVERED OUTDOOR COMMUNAL AREA	PA3	SURFACE MOUNTED WALL LIGHT WITH DOWNWARD SIDE THROW DISTRIBUTION, Ø186mm x H274mm, 3000K, IP65 RATED -LUXYGEN: LIGMAN TANGO T4, BLACK FINISH



FOR DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE
B	ISSUE FOR DA	17.11.22
A	ISSUE FOR DA	11.11.22

ARCHITECT

kasperek
ARCHITECTS

www.kasperek.com.au

CLIENT

The Village Building Co Est.1988

SERVICES ENGINEER

BSE
BUILDING SERVICES ENGINEERS

Level 3, 33-35, Ainslie Place
Canberra ACT 2601 ABN:15 622 958 721
Tel: 02 6262 8252 Email: mail@bse.com.au
www.bse.com.au

PROJECT

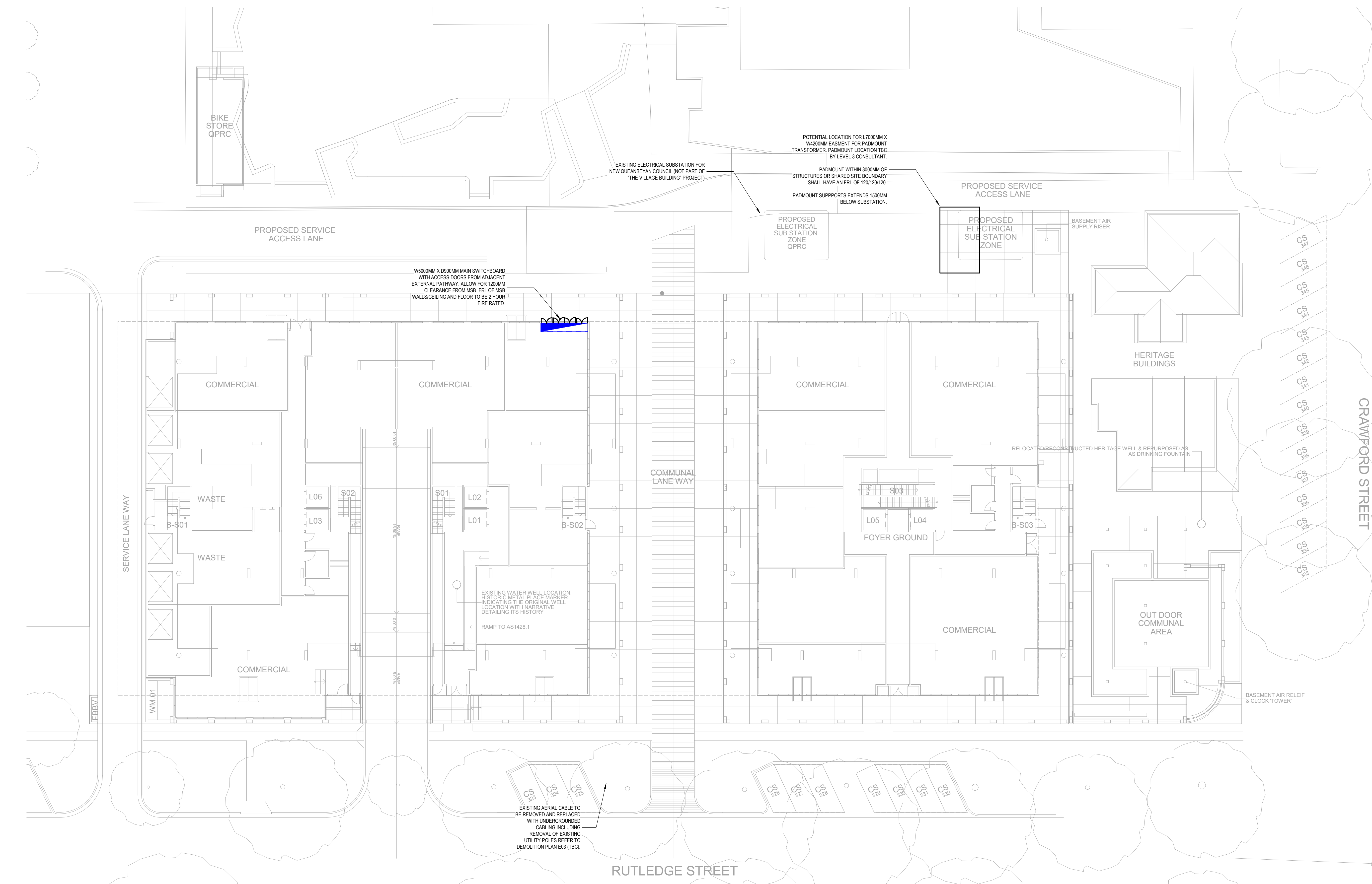
MIXED USE DEVELOPMENT
LOT2 DP117998, LOT31 DP771673
QUEANBEYAN NSW 2620

CONTRACTOR MUST CHECK ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK OR PREPARING ANY SHOP DRAWINGS. SHOP DRAWINGS MUST BE SUBMITTED AND APPROVED BEFORE MANUFACTURE. THIS DRAWING IS THE PROPERTY OF BUILDING SERVICES ENGINEERS AND SUBJECT TO RETURN ON REQUEST.

DRAWING TITLE

ELECTRICAL SERVICES
SITE PLAN - EXTERNAL
LIGHTING LAYOUT

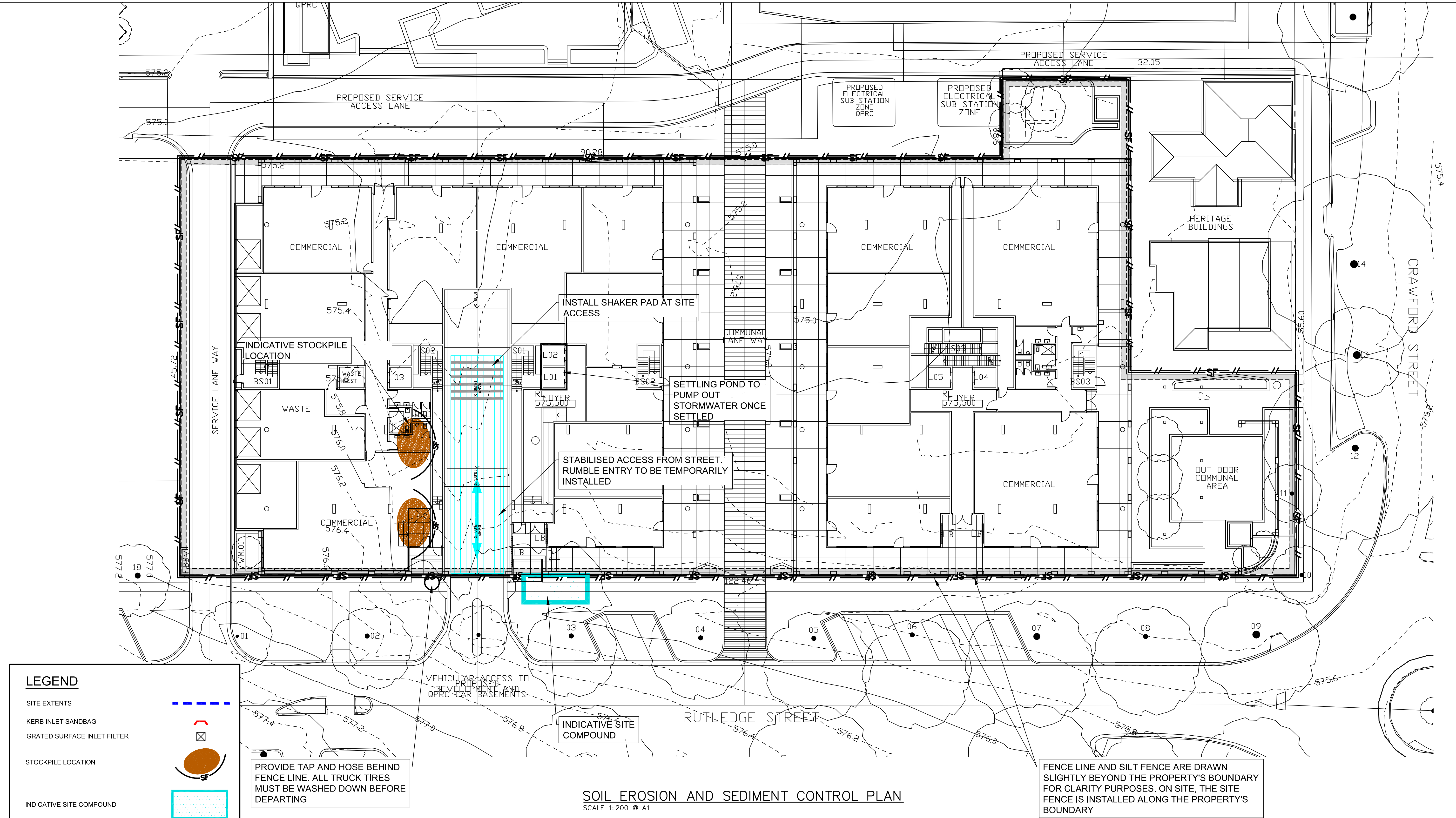
SCALE:	1 : 200	DATE:	17.11.22
DRAWN:	NP	DESIGNED:	NP
NORTH	PROJECT No:	DRAWING No:	ISSUE:
	20220392	E02	B



FOR DEVELOPMENT APPLICATION

A	ISSUE FOR DA	28.11.2022
REV	DESCRIPTION	DATE

ARCHITECT  www.kasperek.com.au	CLIENT 	SERVICES ENGINEER  Level 3, 33-35, Ainslie Place Canberra ACT 2601 ABN:15 622 958 721 Tel: 02 6262 8252 Email: mail@bse.com.au www.bse.com.au	PROJECT MIXED USE DEVELOPMENT LOT2 DP117998, LOT31 DP771673 QUEANBEYAN NSW 2620	DRAWING TITLE ELECTRICAL SERVICES SITE PLAN - POWER AND COMMUNICATIONS LAYOUT	SCALE: N.T.S. DATE: 28.11.2022			
					DRAWN: CC DESIGNED: NP			
					NORTH 	PROJECT No: 20220392	DRAWING No: E05	ISSUE: A



LEGEND

SITE EXTENTS

KERB INLET SANDBAG

GRATED SURFACE INLET FILTER

STOCKPILE LOCATION

INDICATIVE SITE COMPOUND

CONSTRUCTION FENCE

SEDIMENT FENCE

STABILISED SITE ACCESS

No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT
1	ISSUE FOR CONSTRUCTION CERTIFICATE	M.S	28.07.23	D.K	

ka **kasperek** **ARCHITECTS**

architects@kasperek.com.au

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Building Co Est.1988

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APPROVED AH DATE
CHECKED MS DATE
DESIGNED BY MS
DRAWN BY DK
CAD FILE \\1\1795 Rutledge Street Sites Queanbeyan\30 Drawings\30.1 CIV\01 Substation
SCALE AS SHOWN SHEET No.

PROJECT

SHOP TOP HOUSING
LOT 2 DP117998, LOT 31
DP771673
QUEANBEYAN NSW 2620

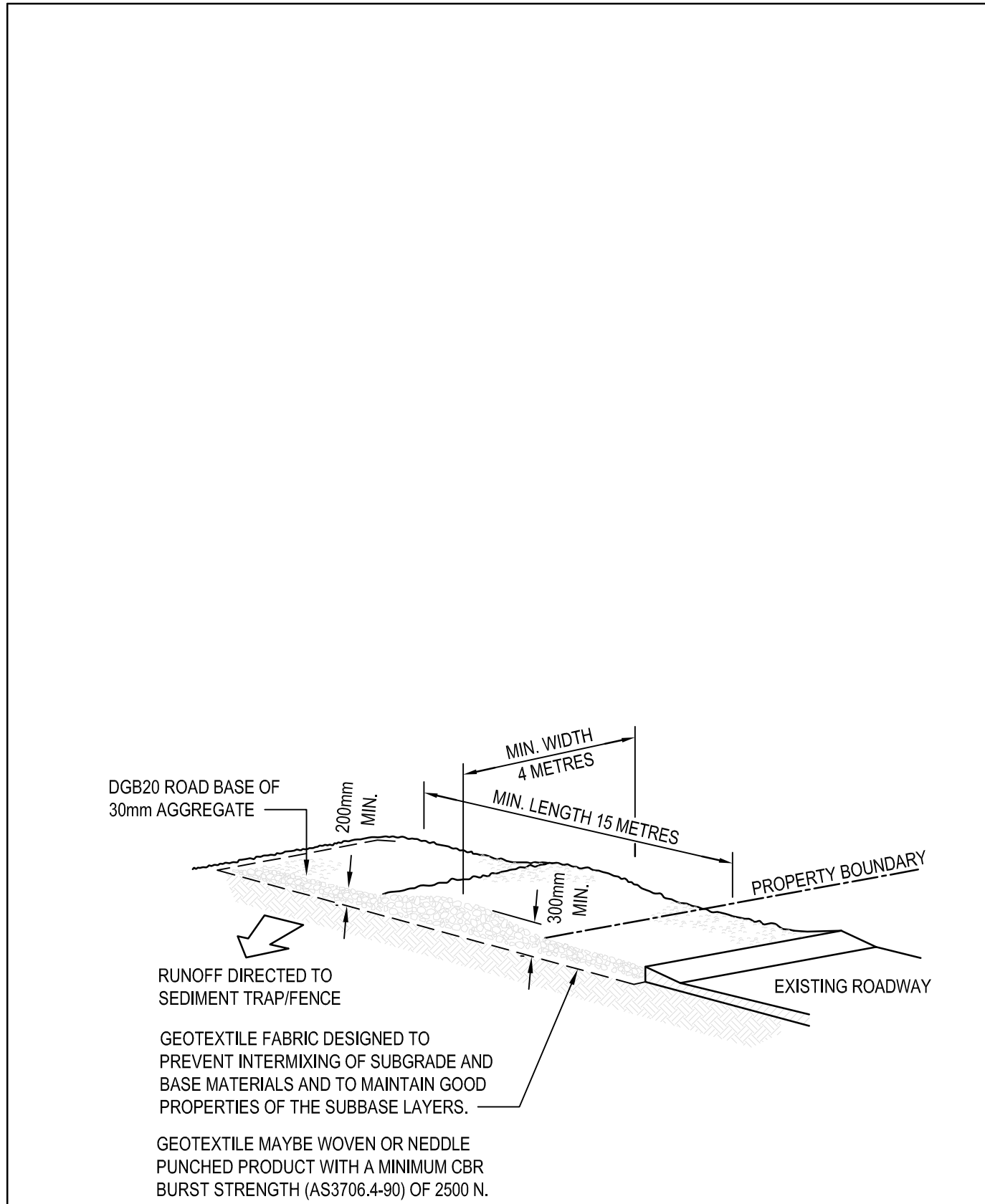
DRAWING TITLE

SOIL EROSION AND SEDIMENT
CONTROL PLAN

PROJECT No. 8795-01

DRAWING No. 050

AMDT 1

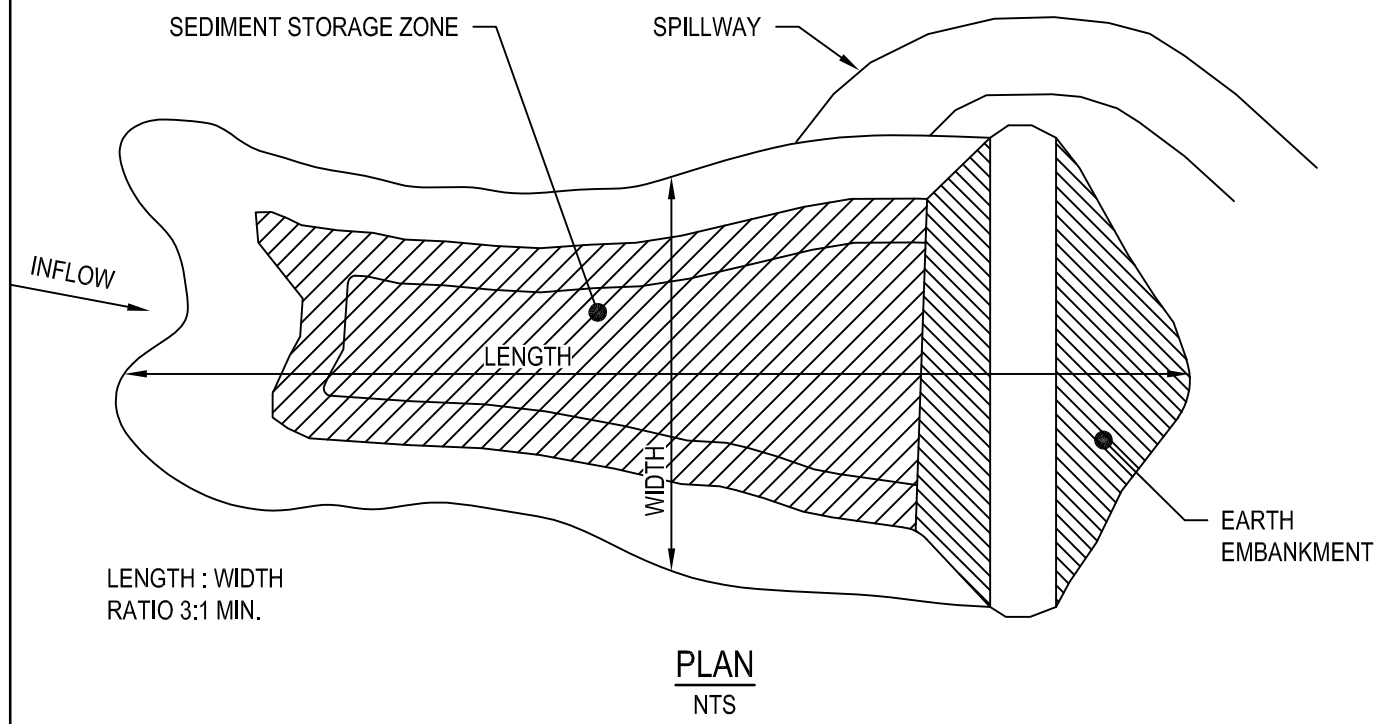


GENERAL CONSTRUCTION NOTES

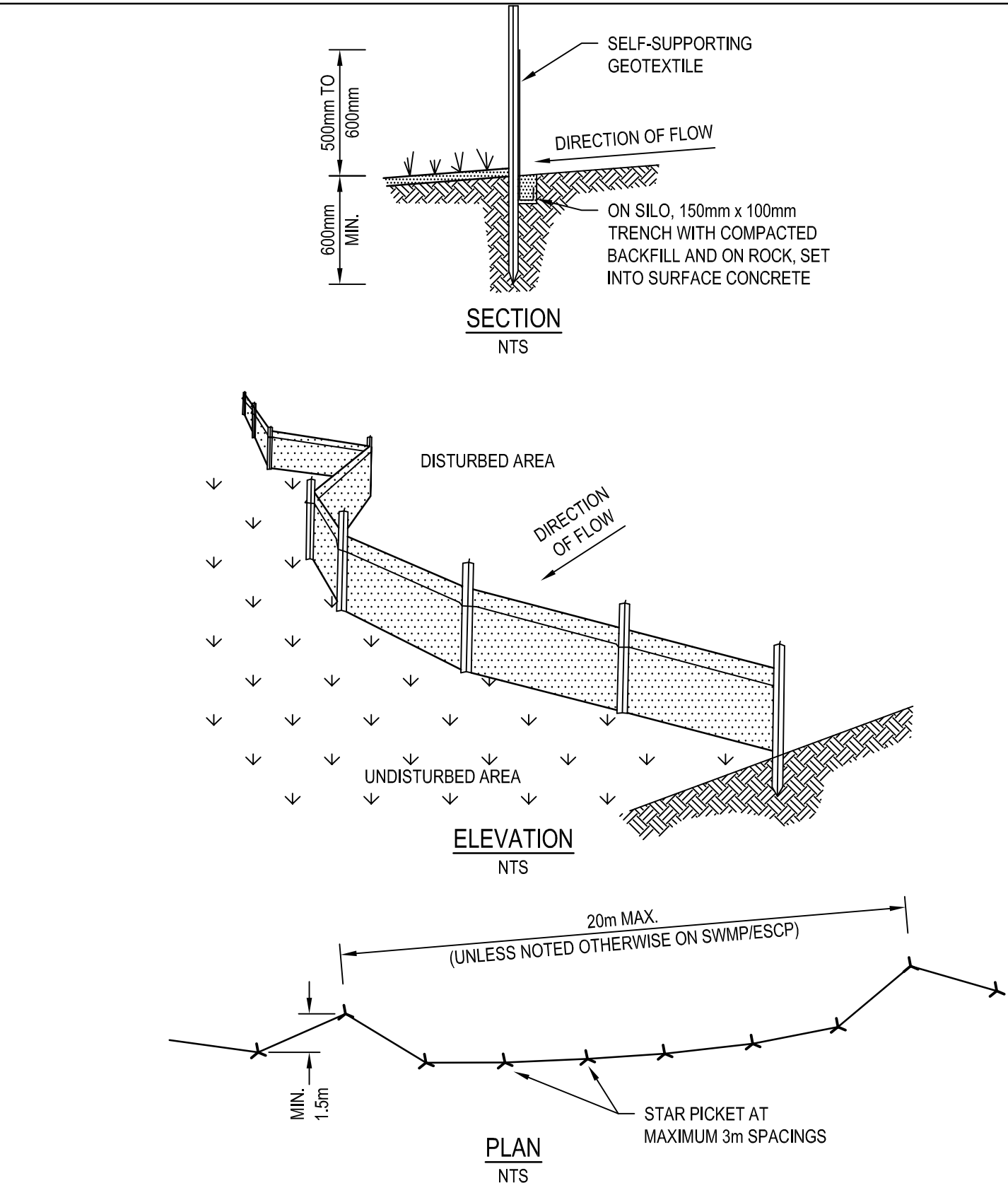
1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
2. COVER THE AREA WITH NEEDLE - PUNCHED GEOTEXTILE.
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO SEDIMENT FENCE.

STABILISED SITE ACCESS SD 6-14

NTS



No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT
1	ISSUE FOR CONSTRUCTION CERTIFICATE	M.S	28.07.23	D.K	

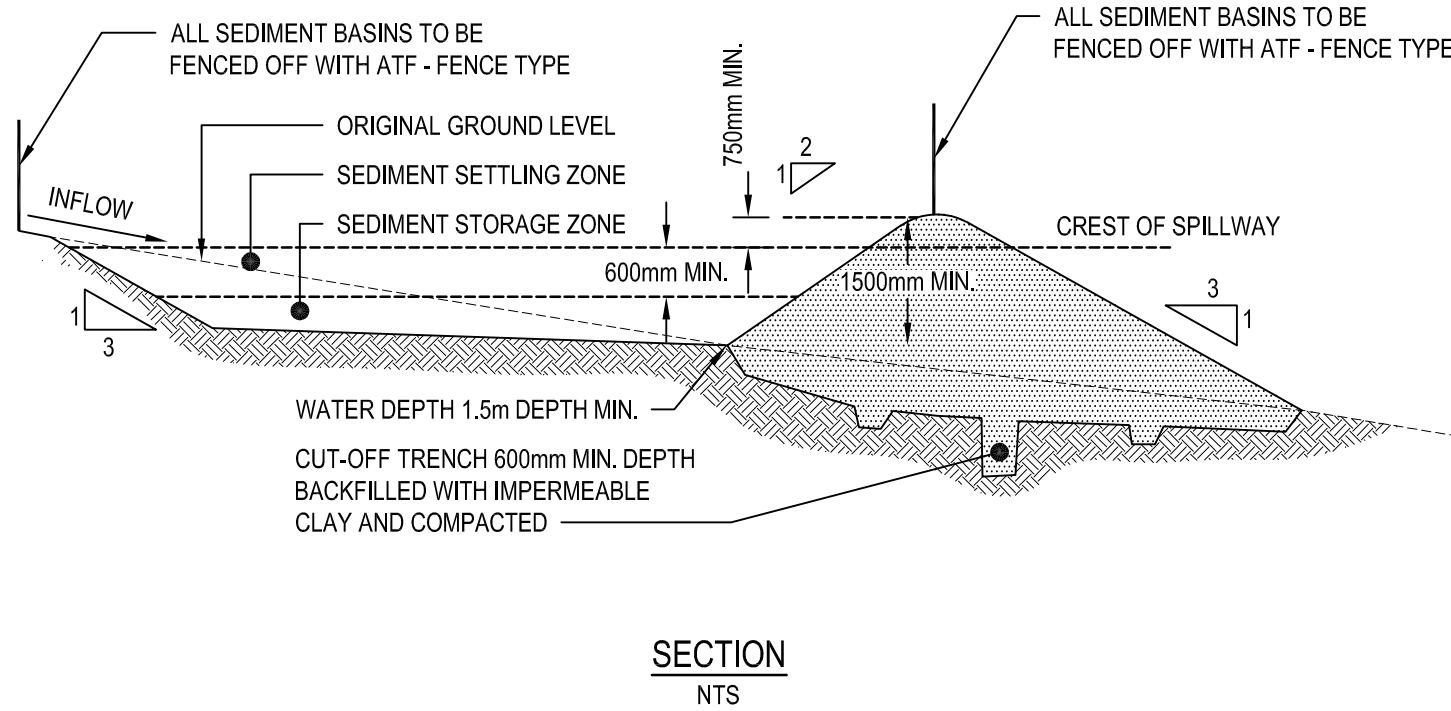


GENERAL CONSTRUCTION NOTES

1. CONSTRUCTION SEDIMENT FENCES AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE
2. DIVE 1.5m LONG STAR PICKETS INTO GROUND, 3m APART
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
4. BACKFILL TRENCH OVER BASE OF FABRIC
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP

SEDIMENT FENCE SD 6-8

NTS

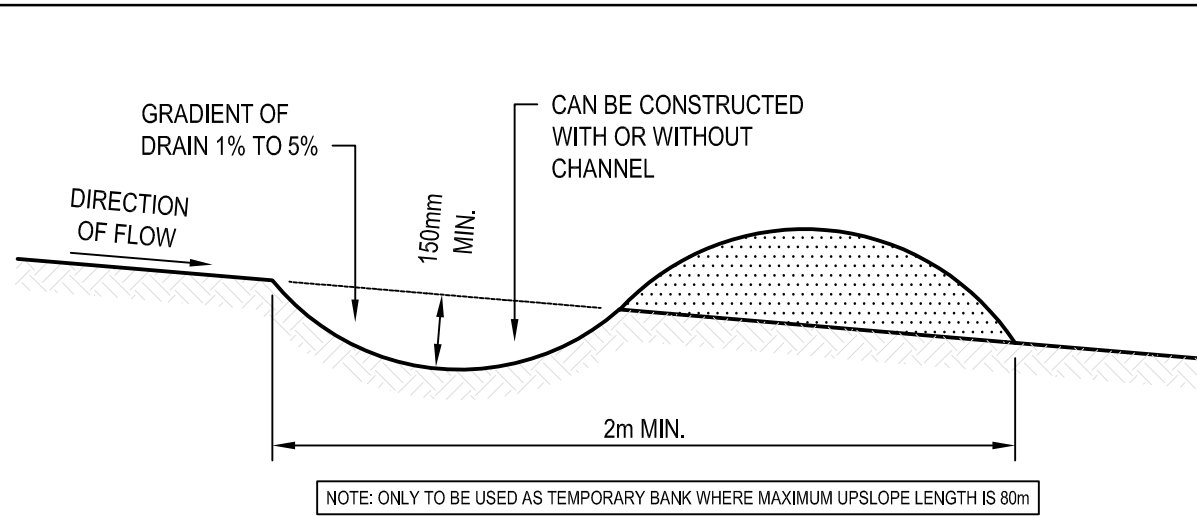


GENERAL CONSTRUCTION NOTES

1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA
2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1,200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST
3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95% STANDARD PROCTOR DENSITY
4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD ROCK LARGE STONE OR FOREIGN MATERIAL
5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100mm TO HELP BOND COMPACTED FILL TO THE EXISTING SUBSTRATE
6. SPREAD THE FILL IN 100mm TO 150mm LAYER AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING THE SWMP
7. CONSTRUCT THE EMERGENCY SPILLWAY
8. REHABILITATE THE STRUCTURE FOLLOWING THE SWMP

EARTH BASIN SD 6-4

NTS

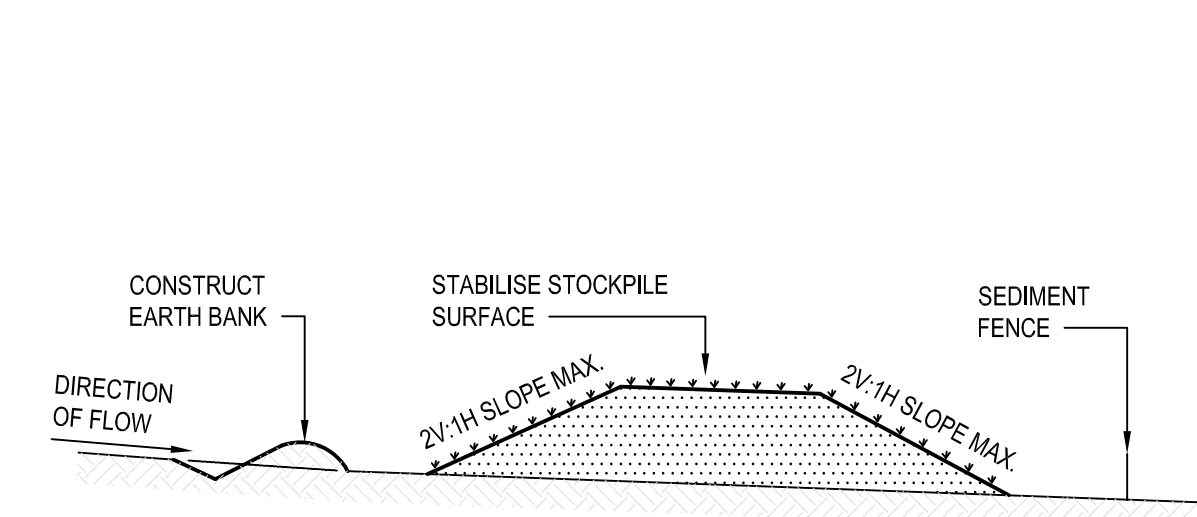


GENERAL CONSTRUCTION NOTES

1. CONSTRUCT WITH GRADIENT OF 1% TO 5%
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE
3. DRAINS TO BE CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPED
4. EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE
5. PERMANENT OR TEMPORARY STABILISATION OF THE EARTH BANK TO BE COMPLETED WITHIN 10 DAYS OF CONSTRUCTION
6. ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO A SEDIMENT BASIN OR SIMILAR
7. DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED
8. COMPACT BANK WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN FIVE DAYS
9. EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDED NORMAL FLOW

EARTH BANK (LOW FLOW) SD 5-2

NTS

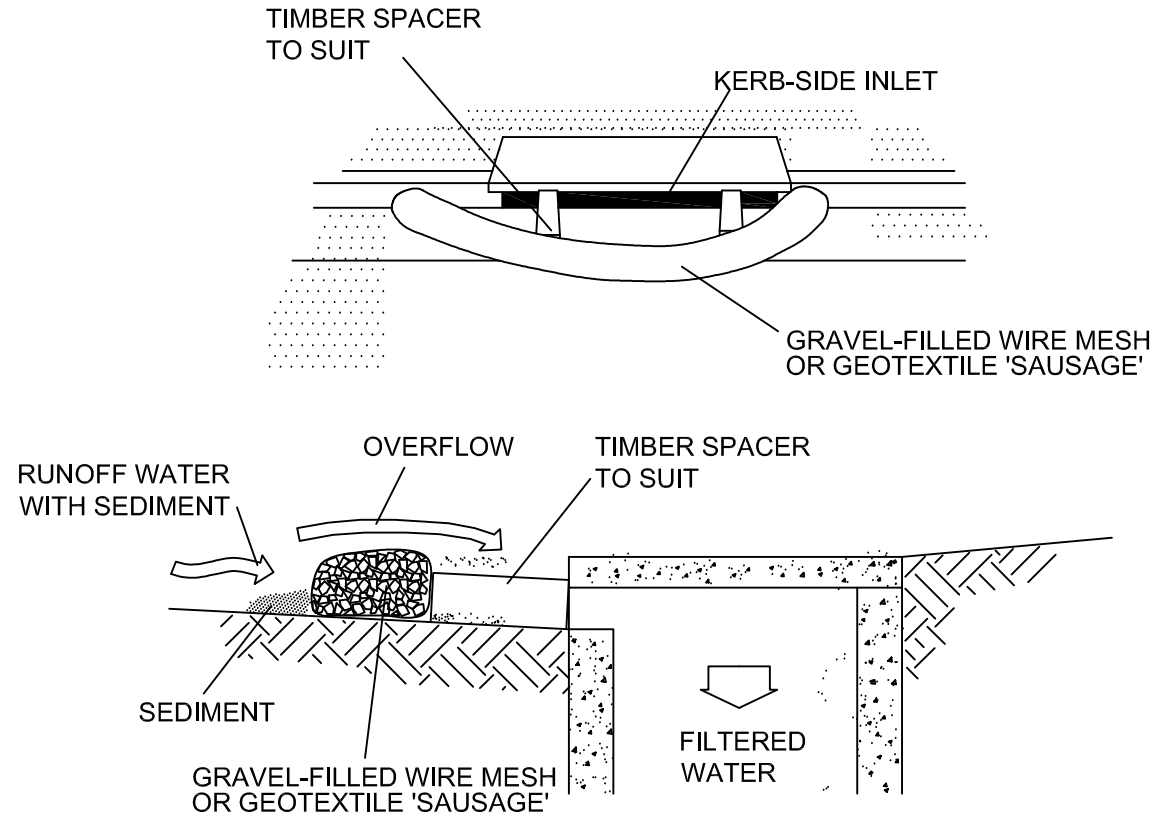


GENERAL CONSTRUCTION NOTES

1. LOCATE STOCKPILE AT LEAST 5m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS
2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT
4. REHABILITATE IN ACCORDANCE WITH THE SWMP/IESCP
5. CONSTRUCT EARTH BANK (SD 5-2) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (SD 6-7) 1 TO 2m DOWNSLOPE OF STOCKPILE

STOCKPILES SD 4-1

NTS



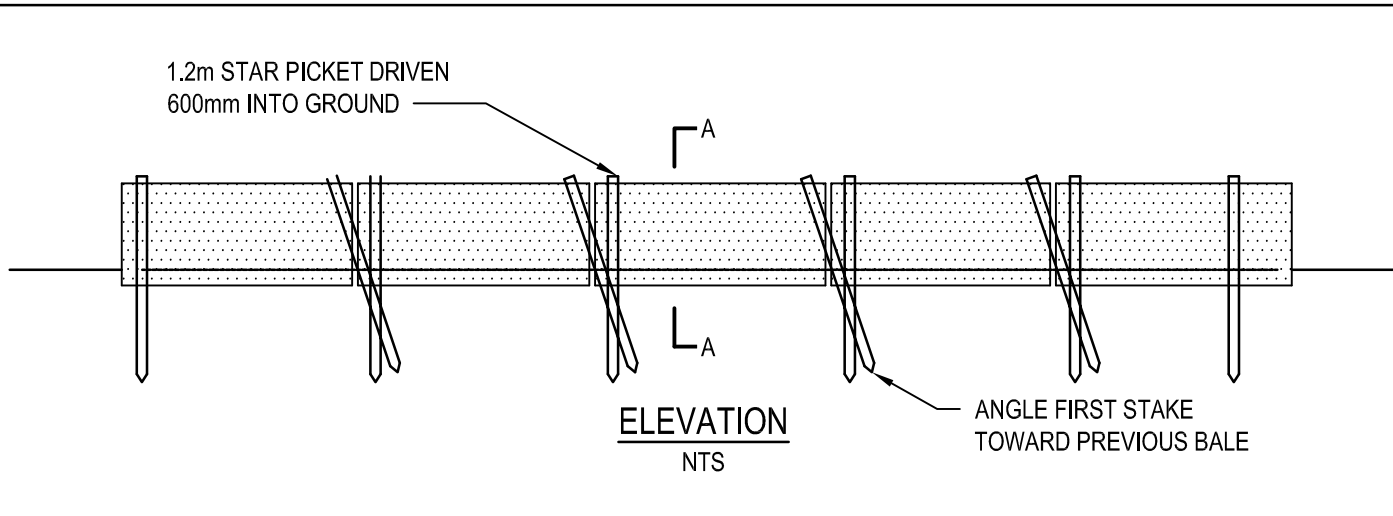
NOTE: THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN AN APPROVED SWMP/IESCP.

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 25 MM TO 50 MM GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150 MM HIGH X 400 MM WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100-MM 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 ABOUT EACH OTHER AND SEDIMENT-ADEN WATERS CANNOT PASS BETWEEN.

MESH AND GRAVEL INLET FILTER SD 6-11

NTS

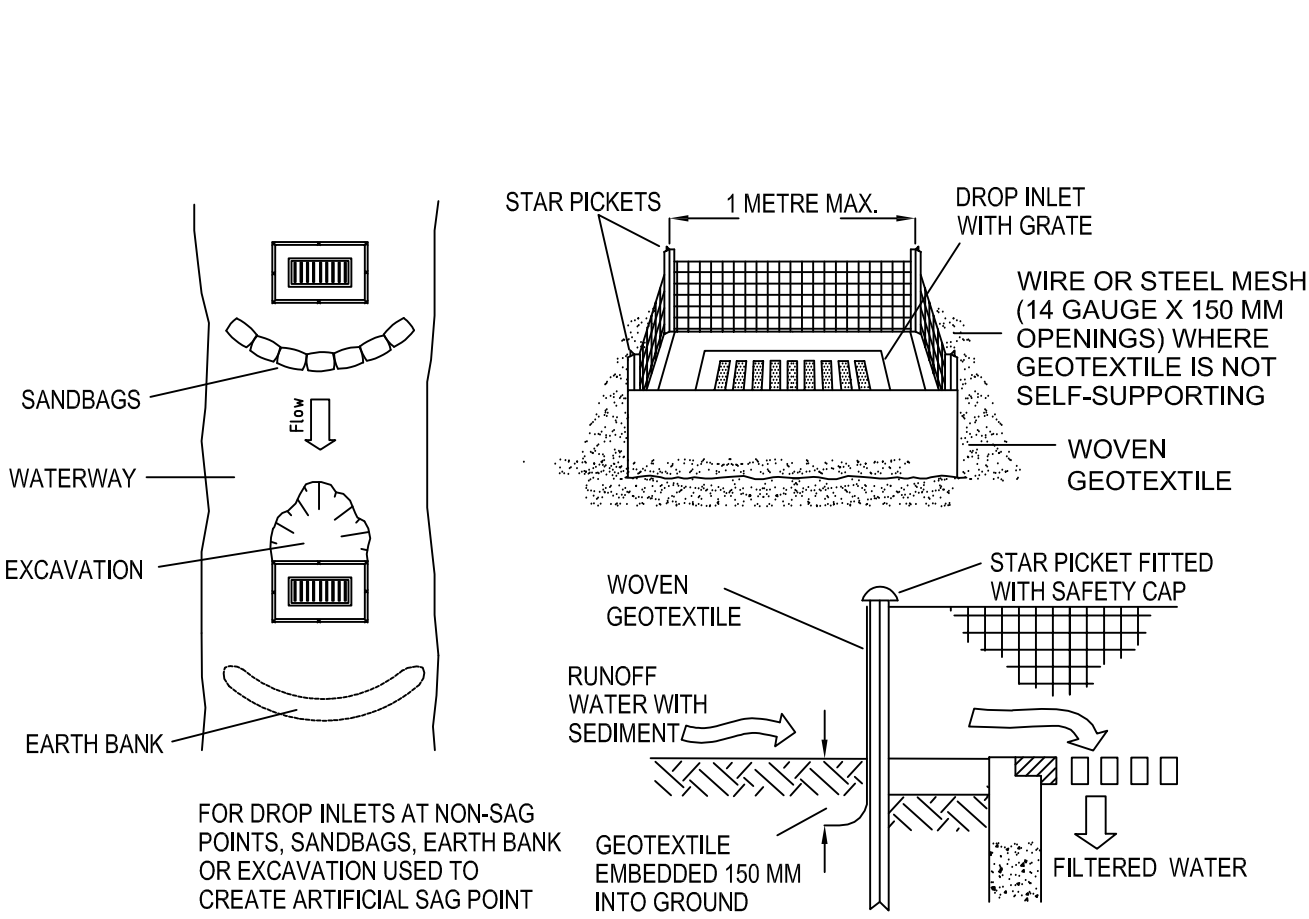


GENERAL CONSTRUCTION NOTES:

1. CONSTRUCTION STRAW BALE FILTER AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR THE TOE OF A SLOPE
2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STAIRS TO BE PLACED PARALLEL TO GROUND
3. MAXIMUM HEIGHT OF FILTER IS ONE BALE
4. ON SOFT MATERIALS, EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2 STAR PICKETS. ANGLE THE FIST STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE STAKES 600mm INTO THE GROUND AND FLUSH WITH THE TOP OF THE BALES
5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWNSLOW FROM THE TOE OF THE BATTER

STRAW BALE FILTER SD 6-7

NTS

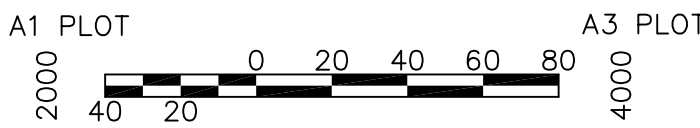


CONSTRUCTION NOTES

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. FOLLOW STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR GEOTEXTILE. 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 SD 6-12

NTS

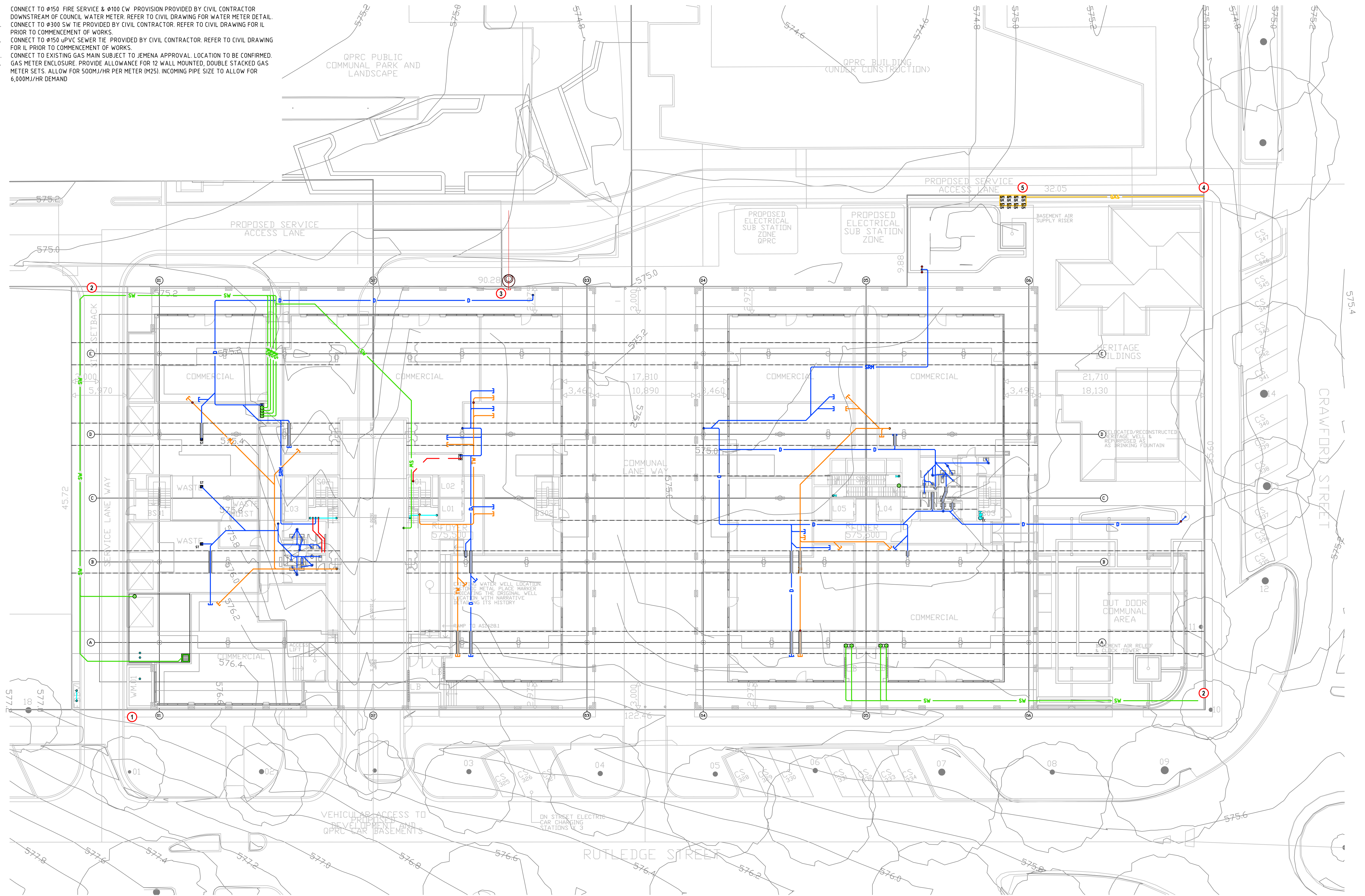


No.	AMENDMENT	APPROVED	DATE	AMENDED BY	ARCHITECT	CLIENT	PROJECT	DRAWING TITLE
1	ISSUE FOR CONSTRUCTION CERTIFICATE	M.S	28.07.23	D.K		The Village Building Co Est. 1988	SHOP TOP HOUSING LOT 2 DP117998, LOT 31 DP771673 QUEANBEYAN NSW 2620	SOIL EROSION AND SEDIMENT CONTROL DETAILS

PROJECT No.	DRAWING No.	AMDT
8795-01	051	1

DRAWING NOTES:

1. CONNECT TO Ø150 FIRE SERVICE & Ø100 CW. PROVISION PROVIDED BY CIVIL CONTRACTOR DOWNSTREAM OF COUNCIL WATER METER. REFER TO CIVIL DRAWING FOR WATER METER DETAIL.
2. CONNECT TO Ø300 SW TIE PROVIDED BY CIVIL CONTRACTOR. REFER TO CIVIL DRAWING FOR IL PRIOR TO COMMENCEMENT OF WORKS.
3. CONNECT TO Ø150 UPVC SEWER TIE PROVIDED BY CIVIL CONTRACTOR. REFER TO CIVIL DRAWING FOR IL PRIOR TO COMMENCEMENT OF WORKS.
4. CONNECT TO EXISTING GAS MAIN SUBJECT TO JEMENA APPROVAL. LOCATION TO BE CONFIRMED.
5. GAS METER ENCLOSURE. PROVIDE ALLOWANCE FOR 12 WALL MOUNTED, DOUBLE STACKED GAS METER SETS. ALLOW FOR 500MJ/HR PER METER (M25). INCOMING PIPE SIZE TO ALLOW FOR 6,000MJ/HR DEMAND



File Name: D:\Jobs 2021\21543_Rutledge-Street-Queanbeyan\04_CAD\4.2_Drawings\HYD\21543-DRG-HYD-0-000-2001.dwg

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