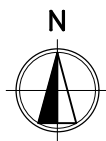


# 5 COMMONWEALTH PARADE, MANLY NSW 2095

CIVIL WORKS  
FOR S4.55 SUBMISSION  
LGA NORTHERN BEACHES COUNCIL

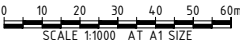





LOCALITY PLAN  
SCALE 1:1000



### DRAWING INDEX

DRAWING No.	DESCRIPTION
C-1000	COVER SHEET AND LOCALITY PLAN
C-1010	GENERAL ARRANGEMENT PLAN
C-1200	SITEWORKS AND DRAINAGE PLAN SHEET 1 OF 2
C-1201	SITEWORKS AND DRAINAGE PLAN SHEET 2 OF 2
C-1350	OSD PLAN AND SECTION



										<div>CLIENT</div> <div> Momentum Projects YOUR VISION • OUR PROJECT</div>		<div>ARCHITECT</div> <div></div>		<div>PROJECT</div> <div>Sydney Office — L2, 8 Windmill St Sydney NSW 2000 P / +61 2 9770 3300 E / info@bgeeng.com bgeeng.com—</div> <div></div>		<div>PROJECT</div> <div>5 COMMONWEALTH PARADE MANLY, NSW 2095</div>		<div>STATUS</div> <div>ISSUED FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</div>		<div>TITLE</div> <div>COVER SHEET AND LOCALITY PLAN</div>			
																		<div>DRAWN</div> <div>CB</div>				<div>DESIGNED</div> <div>SP</div>	
																		<div>PROJECT No.</div> <div>S19156</div>		<div>DRAWING No.</div> <div>C-1000</div>		<div>REV.</div> <div>B</div>	

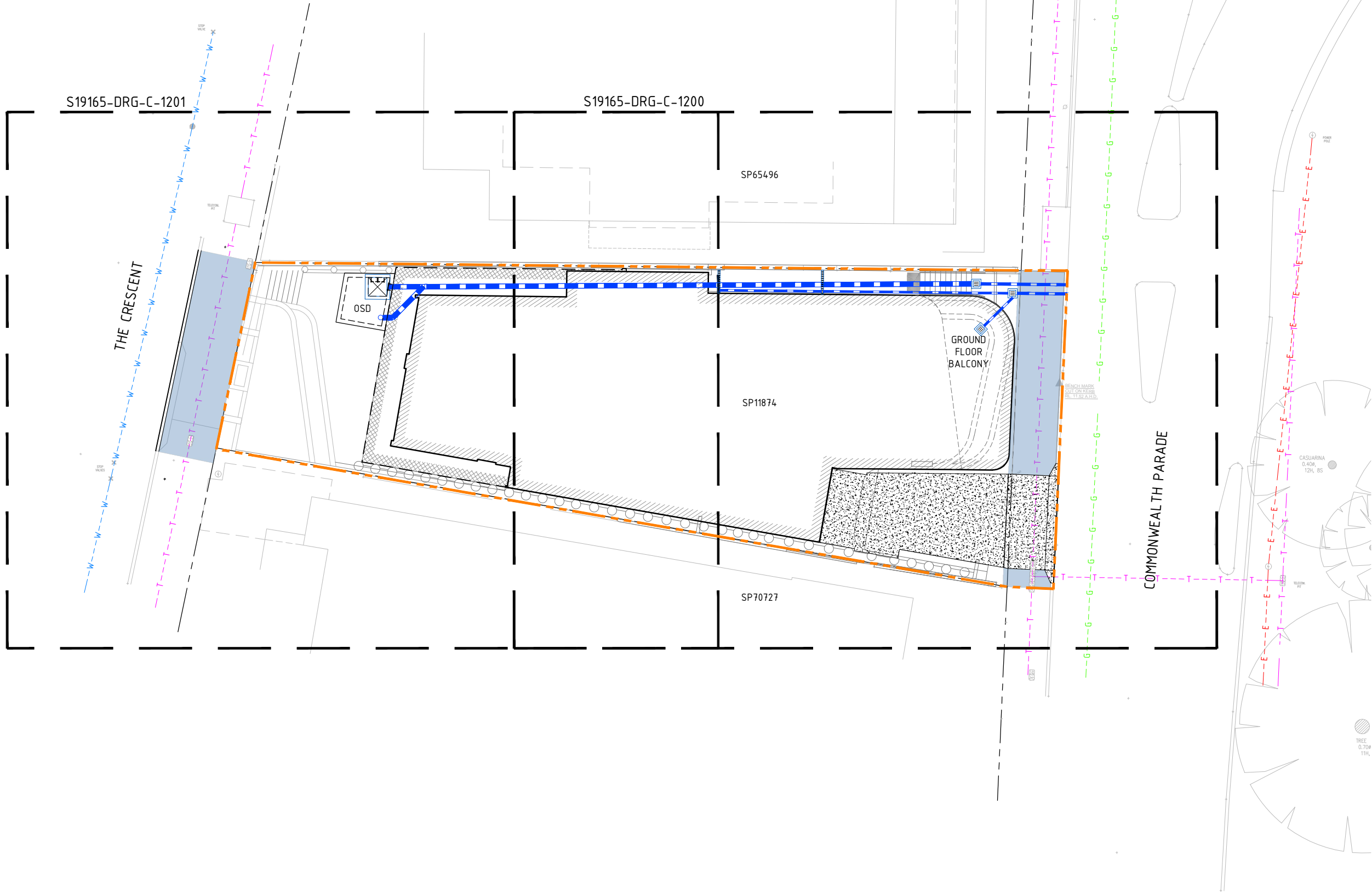


LEGEND

- LIMIT OF WORKS
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED BUILDING EXTENT  
REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS
- GROUND FLOOR BASEMENT WALL  
BELOW. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS
- EX. KO
- EX. VC
- EX. K&G
- EX. STONE KERB
- PROPOSED FOOTPATH
- EXISTING KERB ONLY
- EXISTING VEHICULAR CROSSING
- EXISTING KERB & GUTTER
- EXISTING STONE KERB
- PROPOSED FOOTPATH

SERVICES

- EXISTING SEWER
- EXISTING TELECOM
- EXISTING GAS
- EXISTING WATER



0 1 2 3 4 5 6m  
SCALE 1:100 AT A1 SIZE

REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
B	30.03.20	ISSUED FOR S4.55 SUBMISSION	AW		
A	28.02.20	ISSUED FOR S4.55 SUBMISSION	AW		
REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS			REVISIONS		



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Sydney NSW 2000  
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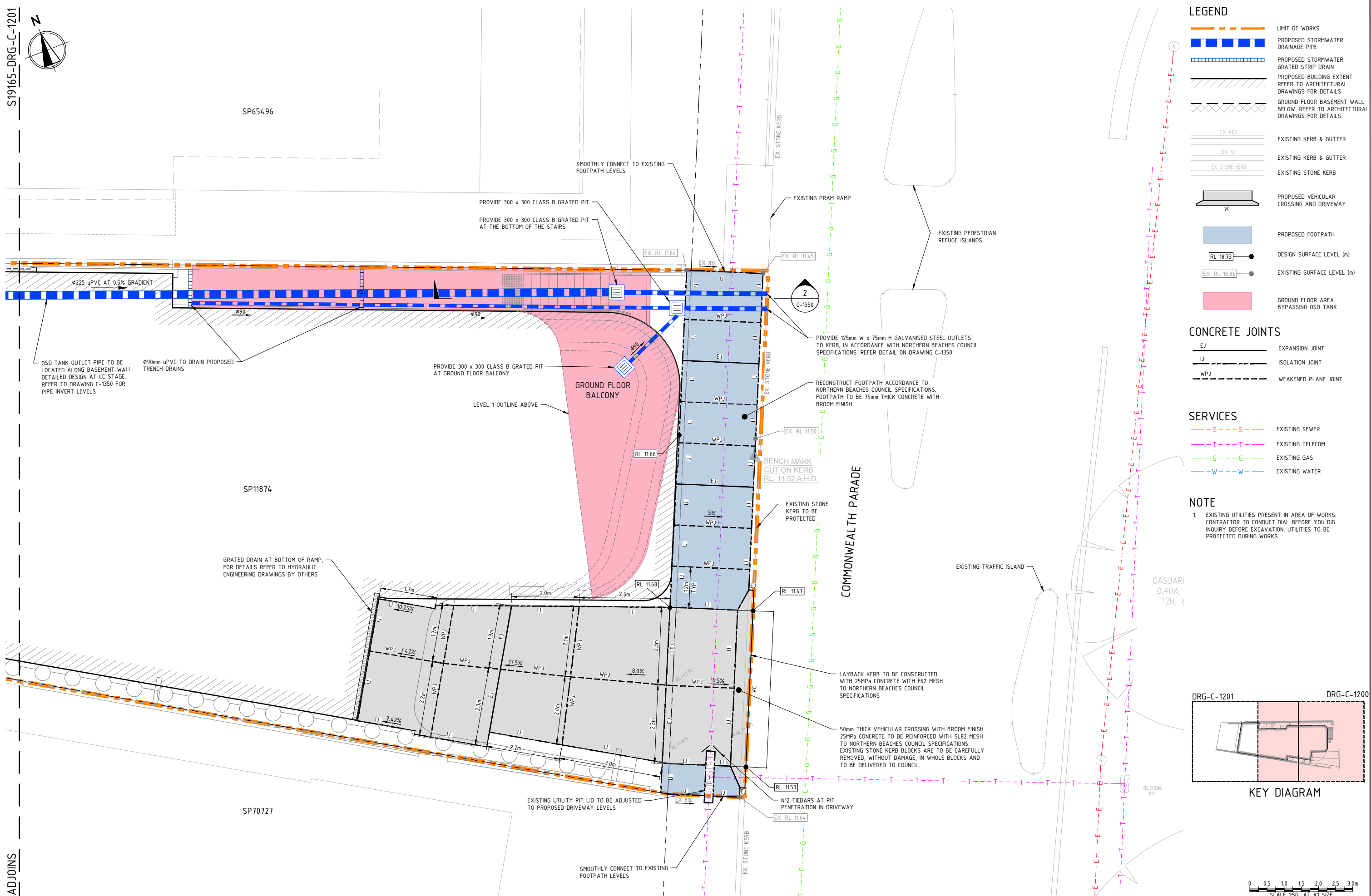


5 COMMONWEALTH PARADE  
MANLY, NSW 2095

ISSUED FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION			
DRAWN	DESIGNED	CHECKED	APPROVED
CB	SP	SP	AW
DATUM	GRID	SCALE	AT
AHD	MGA	1:100	A1

GENERAL ARRANGEMENT PLAN		
PROJECT No.	DRAWING No.	REV
S19156	C-1010	B

S19165-DRG-C-1201



LEGEND

- LIMIT OF WORKS
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED STORMWATER GRATED STRIP DRAIN
- PROPOSED BUILDING EXTENT REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS
- GROUND FLOOR BASEMENT WALL BELOW. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS
- EX. K&G EXISTING KERB & GUTTER
- EX. K&G EXISTING KERB & GUTTER
- EX. STONE KERB EXISTING STONE KERB
- VC PROPOSED VEHICULAR CROSSING AND DRIVEWAY
- PROPOSED FOOTPATH
- RL 18.73 DESIGN SURFACE LEVEL (m)
- EX. RL 18.86 EXISTING SURFACE LEVEL (m)
- GROUND FLOOR AREA BYPASSING OSD TANK

CONCRETE JOINTS

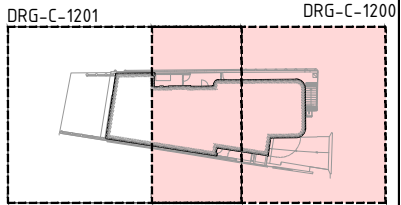
- EJ EXPANSION JOINT
- IJ ISOLATION JOINT
- WPJ WEAKENED PLANE JOINT

SERVICES

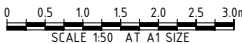
- S-S EXISTING SEWER
- T-T EXISTING TELECOM
- G-G EXISTING GAS
- W-W EXISTING WATER

NOTE

- EXISTING UTILITIES PRESENT IN AREA OF WORKS. CONTRACTOR TO CONDUCT DIAL BEFORE YOU DIG INQUIRY BEFORE EXCAVATION. UTILITIES TO BE PROTECTED DURING WORKS.



KEY DIAGRAM



ADJOINS

REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
B	30.03.20	ISSUED FOR S4.55 SUBMISSION	AW		
A	28.02.20	ISSUED FOR S4.55 SUBMISSION	AW		
REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS			REVISIONS		



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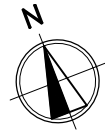


5 COMMONWEALTH PARADE  
MANLY, NSW 2095

ISSUED FOR APPROVAL			
NOT TO BE USED FOR CONSTRUCTION			
DRAWN	DESIGNED	CHECKED	APPROVED
CB	SP	SP	AW
DATUM	GRID	SCALE	AT
AHD	MGA	1:50	A1

SITWORKS AND DRAINAGE PLAN		
SHEET 1 OF 2		
PROJECT No.	DRAWING No.	REV
S19156	C-1200	B





RECONSTRUCT FOOTPATH IN ACCORDANCE TO NORTHERN BEACHES COUNCIL SPECIFICATIONS. FOOTPATH TO BE 75mm THICK 25MPa CONCRETE WITH BROOM FINISH

RECONSTRUCT UPRIGHT KERB ONLY TO NORTHERN BEACHES COUNCIL SPECIFICATIONS

DEMOLISH EXISTING LAYBACK AND VEHICULAR CROSSING. CONSTRUCT UPRIGHT KERB ONLY TO NORTHERN BEACHES COUNCIL SPECIFICATIONS

STOP VALVES

EXISTING TELECOMMUNICATIONS PIT

N12 TIEBARS AT PIT PENETRATION IN FOOTPATH

SMOOTHLY CONNECT TO EXISTING FOOTPATH LEVELS

SMOOTHLY CONNECT TO EXISTING FOOTPATH LEVELS

EXISTING TELECOMMUNICATIONS PIT

PROVIDE 900 x 900 CLASS B BOLT DOWN SOLID COVER TO OSD TANK

OSD TANK OUTLET PIPE TO BE LOCATED ALONG BASEMENT WALL. DETAILED DESIGN AT CC STAGE. REFER TO DRAWING C-1350 FOR PIPE INVERT LEVELS

PROPOSED OSD TANK, LOCATED BELOW FIRST FLOOR SLAB. FOR OSD DETAILS REFER TO DRAWING C-1350. STRUCTURAL DESIGN DETAIL BY OTHERS AT DETAILED DESIGN.

REFER TO ARCHITECTURAL DRAWINGS BY OTHERS FOR ARCHITECTURAL LAYOUT

## LEGEND

- LIMIT OF WORKS
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED STORMWATER GRATED STRIP DRAIN
- PROPOSED BUILDING EXTENT REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS
- GROUND FLOOR BASEMENT WALL BELOW. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS

- EX. K&G EXISTING KERB & GUTTER
- EX. K&G EXISTING KERB & GUTTER
- EX. STONE KERB EXISTING STONE KERB
- VC PROPOSED VEHICULAR CROSSING AND DRIVEWAY

- PROPOSED FOOTPATH
- RL 18.73 DESIGN SURFACE LEVEL (m)
- EX. RL 18.86 EXISTING SURFACE LEVEL (m)

## CONCRETE JOINTS

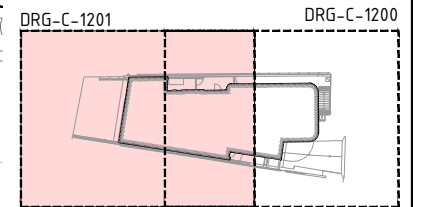
- EJ EXPANSION JOINT
- IJ ISOLATION JOINT
- WPJ WEAKENED PLANE JOINT

## SERVICES

- S--- EXISTING SEWER
- T--- EXISTING TELECOM
- G--- EXISTING GAS
- W--- EXISTING WATER

## NOTE

- EXISTING UTILITIES PRESENT IN AREA OF WORKS. CONTRACTOR TO CONDUCT DIAL BEFORE YOU DIG INQUIRY BEFORE EXCAVATION. UTILITIES TO BE PROTECTED DURING WORKS.



KEY DIAGRAM

0 0.5 1.0 1.5 2.0 2.5 3.0m  
SCALE 1:50 AT A1 SIZE

REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
B	30.03.20	ISSUED FOR S4.55 SUBMISSION	AW		
A	28.02.20	ISSUED FOR S4.55 SUBMISSION	AW		
REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS			REVISIONS		

CLIENT

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ARCHITECT

**platform**  
ARCHITECTS

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bgeeng.com

**BG & E**

PROJECT

5 COMMONWEALTH PARADE  
MANLY, NSW 2095

STATUS

ISSUED FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

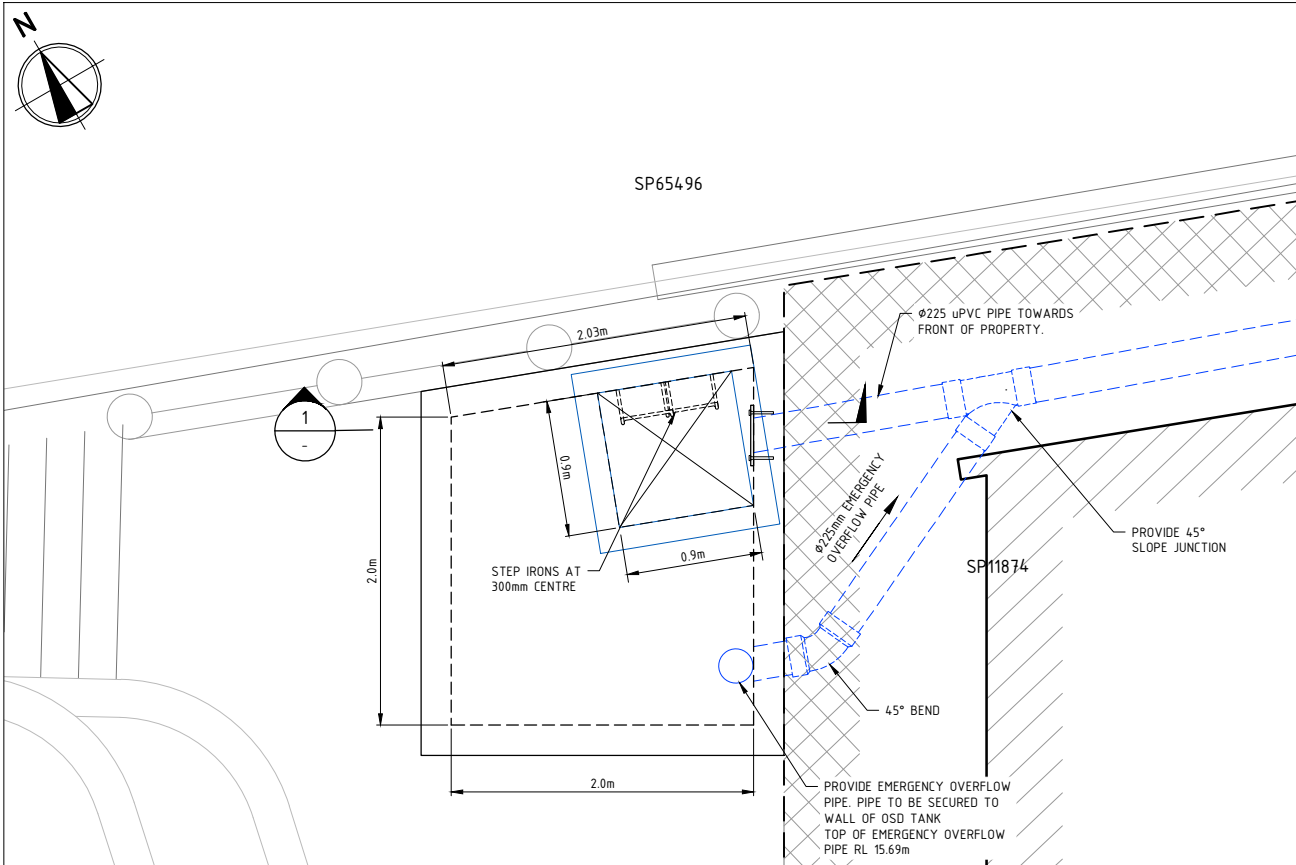
DRAWN	DESIGNED	CHECKED	APPROVED
CB	SP	SP	AW
DATUM	GRID	SCALE	
AHD	MGA	1:50	

AT A1 SIZE

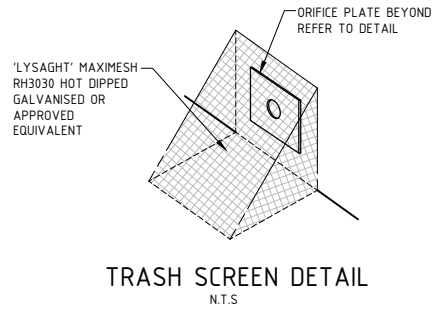
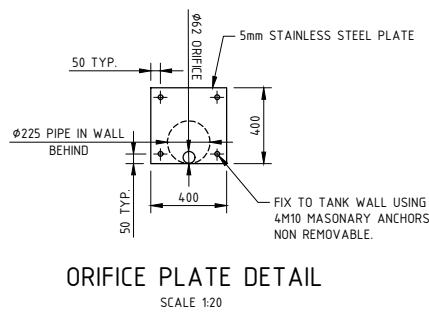
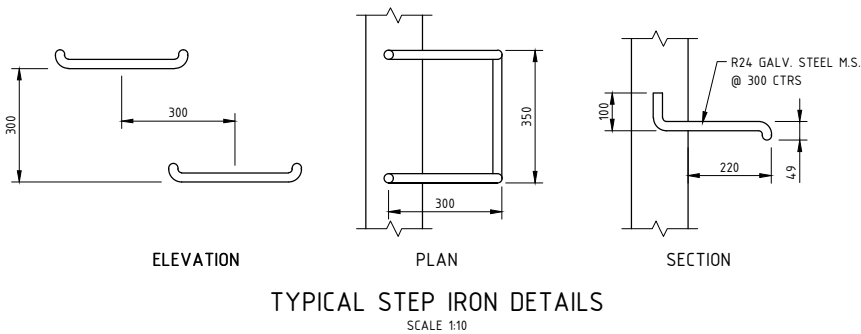
TITLE

SITWORKS AND DRAINAGE PLAN  
SHEET 2 OF 2

PROJECT No.	DRAWING No.	REV
S19156	C-1201	B



OSD PLAN  
SCALE 1:25

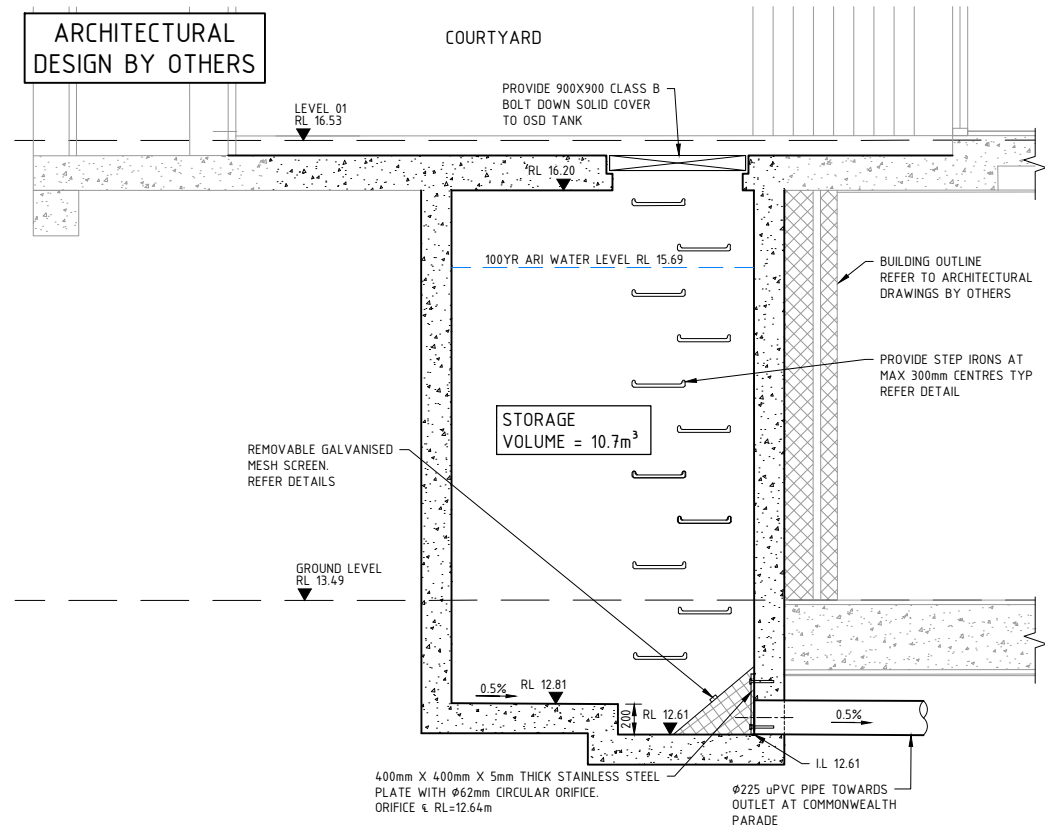


SITE DISCHARGE CALCULATIONS	
SITE PSD (L/s):	14
POST-DEVELOPMENT SITE DISCHARGE	
ARI (years)	OSD (L/s)
5	10
100	14

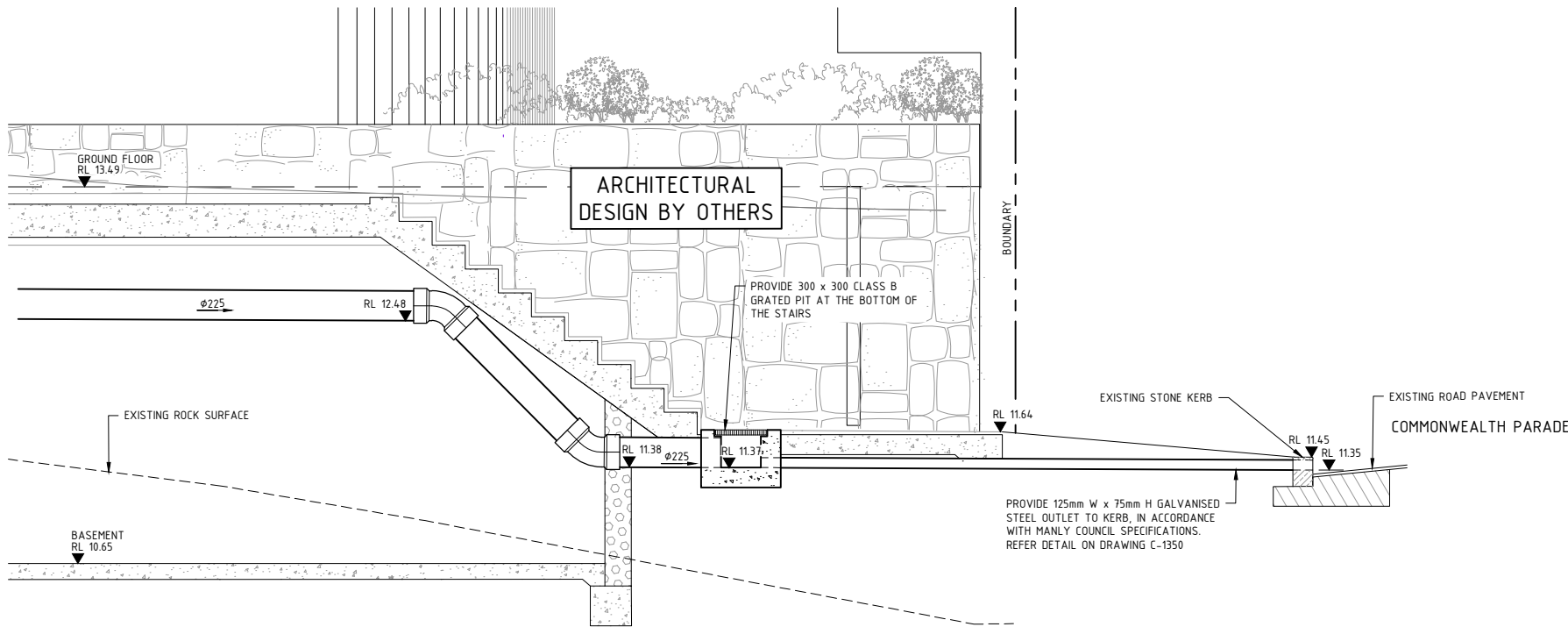
EMERGENCY OVERFLOW WEIR CALCULATIONS (Q=CxwxH <sup>1.5</sup> )	
OSD	
DISCHARGE, Q (L/s)	34
DISCHARGE COEFFICIENT, C	1.74
WEIR WIDTH, w (m)	0.71
FLOW DEPTH, m	0.091

LEGEND	
	SITE BOUNDARY
	PROPOSED BUILDING EXTENT REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS
	GROUND FLOOR BASEMENT WALL BELOW. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS

- NOTES
- ALL DIMENSIONS ARE IN METRES U.N.O.
  - ALL WORKS ARE TO BE CONDUCTED IN ACCORDANCE TO NORTHERN BEACHES COUNCIL'S SPECIFICATION FOR ON-SITE STORMWATER MANAGEMENT AND SPECIFICATION FOR STORMWATER DRAINAGE.
  - STRUCTURAL DESIGN DETAILS BY OTHERS AT DETAILED DESIGN.

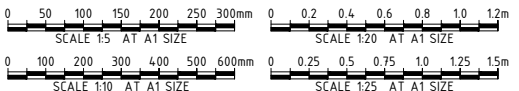


SECTION 1  
SCALE 1:25



SECTION 2  
SCALE 1:25

OUTLET SECTION  
SCALE 1:25



				CLIENT				ARCHITECT				PROJECT				STATUS				TITLE			
																ISSUED FOR APPROVAL				OSD PLAN AND SECTION			
																NOT TO BE USED FOR CONSTRUCTION							
																DRAWN							
																CB							
																SP							
																SP							
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																C-1350							
																B							