Portes Project & Services Pty Ltd

GENERAL NOTES

- CONFIRM LOCATION, SIZE, CONDITION AND LEVELS OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK
- ALL WORK TO BE IN ACCORDANCE WITH SPECIFICATION, AUTHORITIES REQUIREMENTS, BCA AND RELEVANT AUSTRALIAN STANDARDS (IN PARTICULARLY AS 3500)
- DISCONNECT, CAP OFF AND REMOVE ALL EXISTING, REDUNDANT SERVICES TO AUTHORITIES APPROVAL
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND OTHER CONSULTANTS DOCUMENTS. ALL DISCREPANCIES SHALL BE REFERRED TO THE PROJECT MANAGER BEFORE PROCEEDING WITH THE WORK
- LOCATION OF ALL PIPEWORK IS DIAGRAMMATIC ONLY FINAL LOCATION TO BE CO-ORDINATED ON SITE AND APPROVED BY THE PROJECT MANAGER PRIOR TO COMMENCEMENT OF ANY WORK

GENERAL DRAINAGE NOTES:

1. ALL GRATED DRAINAGE PITS ARE TO BE BENCHED OR STREAMLINED, UNLESS NOTED OTHERWISE.

2. ALL DRAINAGE PIPES ARE TO BE UPVC GRADE, UNLESS NOTED OTHERWISE.

3. THE MINIMUM COVER OVER ALL DRAINAGE PIPES IS TO BE 150mm UNO.

4. ALL DRAINAGE PIPES ARE TO HAVE A MINIMUM PIPE GRADIENT OF 1.0%. UNO.

5. ALL DRAINAGE PITS ARE TO BE INSTALLED WITH A CHILD PROOF SAFETY LATCH ON THE ACCESS GRATE.

6. ALL DOWNPIPES ARE TO BE 100 x 75 SQUARE BOX OR 100Ø CIRCULAR SECTIONS UNLESS NOTED OTHERWISE MAXIMUM PROJECTED ROOF AREA PER DOWN PIPE = 65 m²

7. ALL INLET & OUTLET PIPES SHALL BE CUT FLUSH WITH PIT WALL

8. PROVIDE ALL GRATED PIT LIDS TO BE HINGED AND FITTED WITH AN APPROPRIATE CHILDPROOF LOCK-DOWN SYSTEM

9. ALL PITS TO BE CONSTRUCTED ARE SHOWN IN CONCRETE, HOWEVER PRECAST OR BRICK PITS (PLASTIC FOR NO TRAFFICABLE AREAS) OF SIMILAR SIZE AND CONSTRUCTION AND TO THE SAME LEVELS ARE ACCEPTABLE

10. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS.

11. ALL PITS IN DRIVEWAYS TO BE 600x600 INTERNAL AND ALL PITS IN LANDSCAPED AREAS TO BE 450x450 INTERNAL UNO

12. ALL WORK DO BE DONE IN ACCORDANCE WITH AS/NZ 3500.3:1998 AND COUNCIL SPECIFICATIONS.

13. COUNCIL APPROVAL REQUIRED FOR ANY STORMWATER WORKS IN THE ROAD RESERVE INCLUDING PIPE CONNECTION TO KERB & GUTTER

14. PORTES PROJECT AND SERVICES P/L ISSUED A STORMWATER CONCEPTUAL DESIGN PLAN FOR CLIENT (CLIENT REPRESENTATIVE) AND THE DESIGN MUST BE APPROVED BY THE PRINCIPAL CERTIFYING AUTHORITY PRIOR TO BE IMPLEMENTED ON SITE.

15. STORMWATER DRAWINGS TO BE USED ON SITE MUST BE APPROVED AND STAMPED BY PRINCIPAL CERTIFYING AUTHORITY. APPROVED STAMPED DRAWINGS BY PRINCIPAL CERTIFYING AUTHORITY SHALL BE AVAILABLE ON SITE IF REQUESTED.

P/2019/19-240 ELANORA HEIGHTS 142 ELANORA ROAD/STORM/19-240 D1 REV A.dwg, 3/06/2020 1:39:12 PM, DWG To PDF.pc3

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	SERVICE	MATERIAL					
		ABBREVIATION	DESCRIPTION	S			
	STORMWATER DRAINAGE	UPVC	UNPLASTICIZED POLYVINIL CHLORIDE	- / - /			
		RCP	REINFORCED CONCRETE	- /			
		HDPE	HIGH DENSITY POLYETHYLENE	IN M G			
		FRC	FIBRE REINFORCED CEMENT	- /			

TABLE: DRAINAGE INSPECTION CHAMBER SIZES

	MINIMUM INTERNAL MEASUREMENTS:					
DEPTH TO BASE OF CHAMBER		RECTANGULAR WIDTH LENGTH		CIRCULAR	LADDER STEP IRC	
	SMALLER THAN 600	450	600	600	NO	
	601 TO 900	600	900	900	NO	
	GREATER THAN 900	750	1200	1050	YES	

STORMWATER

TABLE STORMWATER PIT SIZES

ALL PIPEWORK TO BE 100mm @ 1% FALL UNO

	TABLE. STORINIWATER PTT SIZES						
	MINIMUM INTERNAL MEASUREMENTS:						
	DEPTH TO BASE OF CHAMBER	RECTANGULAR WIDTH LENGTH		CIRCULAR	LADDE STEP		
	SMALLER THAN 600	450	450	600	NO		
	601 TO 900	600	600	900	NO		
	901 TO 1200	600	900	1050	NO		
	GREATER THAN 1200	900	900	1050	YES		

UNDERGROUND SERVICES IN THE FOOTPATH AREA MAY AFFECT THE DESIGN OF THE STORMWATER SYSTEM. DIAL 1100 BEFORE YOU DIG FOR THEIR LOCATION DIAL 1100 DIAL BEFORE YOU DIG BEFORE CONSTRUCTION COMMENCES

CIVIL & STRUCTURAL ENGINEERING CONSULTING

STORMWATER DESIGN

			_
TANDARD		NOTES	
AS 1254 AS 1260		- BELOW GROUND - ABOVE GROUND	
AS 2032		- INSTALLATION	-
AS 4058 AS 3725		CLASS 4 UNO LAYING	
ANUFACTU	N ACCORDANCE WITH IRERS (VINIDEX / EQUIREMENTS		
AS 4139 AS 3725		- CLASS 4 UNO - LAYING & INST.	
/ /N	SYMBOLS TWL FFL FGL TK RL11.0 * R SL	FINISH FINISH TOP C FINISH EXIST	ATER LEVEL IED FLOOR LEVEL IED GARAGE LEVEL F KERB IED LEVEL NG LEVEL IRFACE LEVEL
	IL	INVER	TLEVEL
	•	DOW	IPIPE AND STORMWATER PIPE
	●DP	DOW	I PIPE
	• SP	SPRE	ADER
	● IP	INSPE	CTION POINT
·P /		MASC	DNRY RETAINING WALL
R / RON	TW 81	.20 TOP (DF WALL LEVEL
	⊗ FV	V _(RWO) FLOO	R WASTE 150Ø
		GRAT	ED INLET PIT - NON TRAFFICABLE - CHILD SAFE LI
] GRA	ED DRAIN - TRAFFICABLE TRANSVERSE
	RWH	RAIN	NATER HEAD
	l OF	OVER	FLOW POINT (Ø40mm MIN)
		PIPE	FLOW
	$ \longrightarrow$	RUN	OFF FLOW DIRECTION
		EME	RGENCY OVERLAND FLOW PATH
	L		

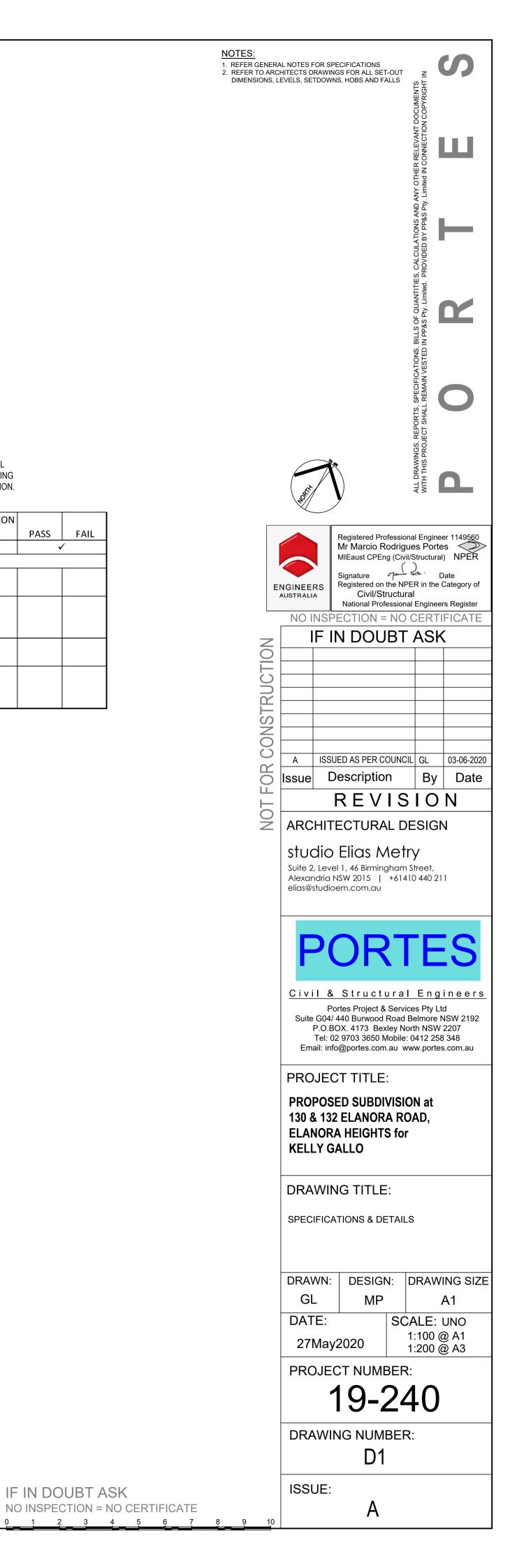
IMPORTANT - FOR PRINCIPAL CONTRACTOR

TO ENABLE THE ISSUE OF STORMWATER CERTIFICATION PERMITTING OCCUPATION IN ALIGNMENT WITH COUNCIL LEGISLATION. SITE INSPECTIONS MUST OCCUR. THE PRINCIPAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL STORMWATER INSPECTIONS. ABSENCE OF INSPECTION WILL PREVENT ISSUE OF STORMWATER CERTIFICATION. SITE INSPECTIONS ARE TO BE COMPLETED BY PORTES PROJECTS & SERVICES (PPS) AS FOLLOWS:

				INSPECTION
INSPECTION #	STORMWATER INSPECTION REQUIREMENTS	PPS REPRESENTATIVE		DATE
		NAME	SIGNATURE	
	INSPECTION OF INGROUND STORMWATER			
1	DRAINAGE PRIOR TO BACKFILL (MANDATORY)			
	INSPECTION OF ANY INGROUND STORMWATER			
	DRAINAGE NOT VIEWED AT INSPECTION NO. 1			
2	(OPTIONAL)			
	INSPECTION OF INFILTRATION PIT / TANK /			
3	TRENCH PRIOR TO BACKFILL (JOB SPECIFIC)			
	FINAL INSPECTION* ON COMPLETION OF ALL			
	LANDSCAPING & POST COMMISSIONING OF THE			
4	STORMWATER SYSTEM (MANDATORY)			

*SURVEY OF RAINWATER & ON-SITE DETENTION STORAGE & WORKS-AS-EXECUTED STORMWATER DRAWINGS (MANDATORY) TO BE PROVIDED TO PPS PRIOR TO INSPECTION

MINIMUM PRIOR NOTICE OF TWO WORKING DAYS (& PREFERABLY AT LEAST A WEEK) SHOULD BE PROVIDED IN ORDER TO ARRANGE A SITE INSPECTION BY PPS WITHIN THE SYDNEY METROPOLITAN AREA



PASS FAIL \checkmark

IF IN DOUBT ASK

NO INSPECTION = NO CERTIFICATE