

BUILDING APPROVAL SOLUTIONS PROPOSED PATIO & INFILL LIVING SPACE BENEATH AT 125 PALMGROVE ROAD, AVALON BEACH

DECODIDATION

IF IN DOUBT, CONTACT THIS CONSULTANCY

PRIME
ENGINEERING
PUTTING DESIGN TO ITS PRIME CONSULTANTS
Suite 1, 2G Auburn Road, Auburn 2144 M: 0431 143 381 www.primeec.com.au PO Box 302 Fairfield NSW 1860 M: 0428 088 893 admin@primeec.com.au

DRAWN	DESCRIPTION DESCRIPTION	1220F	CLIENI	DESIGNED E	3Y: A.D.	ISSUE:	
A.D.	18.06.2020 ISSUED FOR DA	A	BUILDING APPROVAL SOLUTIONS	CHECKED B	Y: A.D.	Λ	COVER SHEET
		SITE ADDRESS	SITE ADDRESS	SCALE:	1:100	A	
			125 PALMGROVE ROAD, AVALON BEACH	CLIENT REF:	DRAWING NO:	SHEET NO:	
				PSW20081	_	SW01	

<u>LEGEND</u>	
DP ●	DOWNPIPE
	STORMWATER LINE
SSD	SUBSOIL DRAINAGE LINE
—— OF ——	OVERFLOW LINE
SWRM	STORMWATER RISING MAIN
е	EXISTING STORMWATER LINE
SW SW	AUTHORITY STORMWATER LINE
HL HL	HIGH LEVEL STORMWATER LINE
s	AUTHORITY SEWER LINE
w	AUTHORITY WATER LINE
G G	AUTHORITY GAS LINE
	AUTHORITY ELECTRICITY LINE
— F0—— F0—— F0——	AUTHORITY FIBRE OPTIC LINE
	AUTHORITY COMMS LINE
	FENCE LINE
	GRATED SURFACE INLET PIT
	GRATED SURFACE INLET PIT WITH ENVIROPOD INSERT
	JUNCTION PIT
	KERB INLET PIT
	EXISTING GRATED SURFACE INLET PIT
	GRATED TRENCH DRAIN
	EXISTING JUNCTION PIT
	EXISTING KERB INLET PIT
eTEL	EXISTING TELSTRA PIT
⊞ eHYD	EXISTING HYDRANT
⊠ eSV	EXISTING STOP VALVE
□ eGAS	EXISTING GAS VALVE
O ePP	EXISTING POWER POLE
¤ eBT	EXISTING BOUNDARY TRAP

	,
<u>LEGEND</u>	
FF Ø	FIRST FLUSH
eSMH	EXISTING SEWER MANHOLE
OFP -	OVERLAND FLOW PATH
RWO ∅	RAINWATER OUTLET
CO Ø	CLEAR OUT POINT
DDO Ø	DISH DRAIN OUTLET
PD Ø	PLANTER DRAIN
Э	CAPPING
(1.01)	PIT TAG/NUMBER
RH 🖸	RAINHEAD
•	DOWNPIPE DROP
M	NON RETURN VALVE
<u> </u>	WALL PENETRATION
DP •	DOWNPIPE SPREADER
-	WARNING LIGHT
0.00 �	SPOT LEVELS
Δ	BENCHMARK



DIAL BEFORE YOU DIG SHOULD BE CONTACTED PRIOR TO ANY EXCAVATION ON SITE TM: TRADE MARK OF THE ASSOCIATION OF DIAL BEFORE YOU DIG SERVICES LTD. USED UNDER LICENSE.

SERVICES SHOWN ON PLAN ARE INDICATIVE. EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.

ABBREVIATIONS: CALIFORNIA BEARING RATIO CHAINAGE CENTER LINE CLEAR OUT DISH DRAIN DISH DRAIN OUTLET DOWELLED EXPANSION JOINT DENSE GRADED BASECOURSE DENSE GRADED SUB-BASE DOWNPIPE EXISTING FINISHED FLOOR LEVEL GRATED TRENCH DRAIN GRATED SURFACE INLET PIT HYDRANT ISOLATING JOINT INTEGRAL KERB INVERT LEVEL INTERSECTION POINT KIP KERB INLET PIT ΚO KERB ONLY KERB & GUTTER KR KERB RETURN LONGITUDINAL SECTION NGL NATURAL GROUND LEVEL OFP OVERLAND FLOW PATH OSD ON-SITE DETENTION RADIUS REINFORCED CONCRETE PIPE ROLL KERB & GUTTER REDUCED LEVEL RETAINING WALL RAINWATER TANK SAWN CONTROL JOINT SEWER MAN HOLE STORMWATER STORMWATER PIT STORMWATER RISING MAIN SWRM STORMWATER SUMP STOP VALVE TOP OF KERB TOP OF WALL

TOP WATER LEVEL

UNPLASTICISED POLYVINYL

UNLESS NOTED OTHERWISE WEAKENED PLANE JOINT

FIRST FLUSH DEVICE

TANGENT POINT

CHLORIDE

TYPICAL

BENCH MARK

TP

UPVC

WPJ FF

TYP

DRAINAGE NOTES:

ALL PIPES TO BE LAID ON 75mm SAND BED WITH THE BARRELS FULLY

100mm AND 150mm DIAMETER PIPES TO BE LAID ON MINIMUM 1%

MINIMUM DEPTH OF COVER FOR PIPES NOT SUBJECT TO VEHICULAR LOADING TO BE 300mm

ALL DRAINAGE PIPES LAID UNDER PAVEMENT SHALL BE REINFORCED CONCRETE WITH RUBBER RING JOINTS

BACKFILL TRENCHES WITH COMPACTED SAND OR APPROVED AGGREGATE

ALL PITS TO HAVE 600x600mm INTERNAL DIMENSIONS (U.N.O.)

SILT ARRESTORS TO HAVE 900x900mm INTERNAL DIMENSIONS

HEAVY DUTY GRATES AND COVERS ARE TO BE PROVIDED IN TRAFFICABLE AREAS

PIT GRATE TO BE TYPE WELDLOK OR APPROVED EQUIVALENT

ALL PITS SHALL BE PROVIDED WITH A LOCKING CLIP

ALL PITS SHALL BE MAINTAINED REGULARLY

TOP OF BENCHING SHALL BE TO THE HALF OF THE OUTLET PIPE

MAXIMUM FRONT ENTRY PIPE: -STRAIGHT ENTRY - Ø750 SKEW ENTRY 45° - Ø525

DIAMETER

ø100 SUBSOIL DRAINAGE PIPE 3000mm LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED ADJACENT TO INLET PIPES

COMPRESSIVE STRENGTH I'c FOR CAST IN SITU CONCRETE TO BE A MINIMUM OF 20MPa AT 28 DAYS

PROVIDE CLEANING EYES TO ALL DOWNPIPES NOT DIRECTLY CONNECTED

ISOLATED JOINTS TO BE PROVIDED TO ISOLATE CONCRETE PAVEMENTS

ALL TRENCH GRATES PROVIDED SHALL HAVE A MINIMUM CLEAR WIDTH

STORMWATER DRAINAGE CONNECTIONS TO THE MAIN SYSTEM SHALL BE TO THE REQUIREMENTS AND THE SATISFACTION OF LOCAL COUNCIL

STORMWATER PIPE BEDDING/PAVING NOTES:

WHERE TRENCH BASE IS ROCK A MINIMUM OF 75mm BEDDING TO BE PROVIDED UNDER PIPE COLLARS.

STORMWATER PIPE BEDDING DETAIL TO BE IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENTS. BEDDING DETAILS TO BE CONFIRMED UPON EXCAVATION & PRIOR TO INSTALLATION OF PIPEWORK.

FOOTPATH REINSTATEMENT NOTES:

REMOVE ALL SAND FILL WITHIN THE FOOTPATH AREA TO THE EXISTING SUBGRADE.

SUPPORT ALL AUTHORITY SERVICES TO STRUCTURAL ENGINEERS DETAILS DURING EXCAVATION.

REINSTATE FOOTPATH SUBGRADE.

THE CONTRACTOR SHALL PROVIDE CERTIFICATION OF COMPACTION FROM A NATA REGISTERED TESTING AUTHORITY. MINIMUM THREE TESTS PER

LAYER AS FOLLOWS: SELECT FILL

95% MODIFIED 98% MODIFIED

SELECT FILL (LESS THAN 300mm BELOW BASE COURSE) BASE COURSE

100% MODIFIED

EROSION & SEDIMENT CONTROL NOTES:

PROVIDE SILT FENCE/HAY BAIL BARRIERS TO THE LOW SIDE OF ALL EXPOSED EARTH EXCAVATIONS (TYPICAL).

ISOLATE EXISTING STORMWATER PITS WITH HAY BALES TO FILTER ALL INCOMING FLOWS.

DO NOT STOCK PILE EXCAVATED MATERIAL ON THE ROAD WAY.

SURVEY

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY BEE & LETHBRIDGE QUALITY SURVEYING & DEVELOPMENT SOLUTIONS, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. PRIME ENGINEERING CONSULTANTS DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAW.

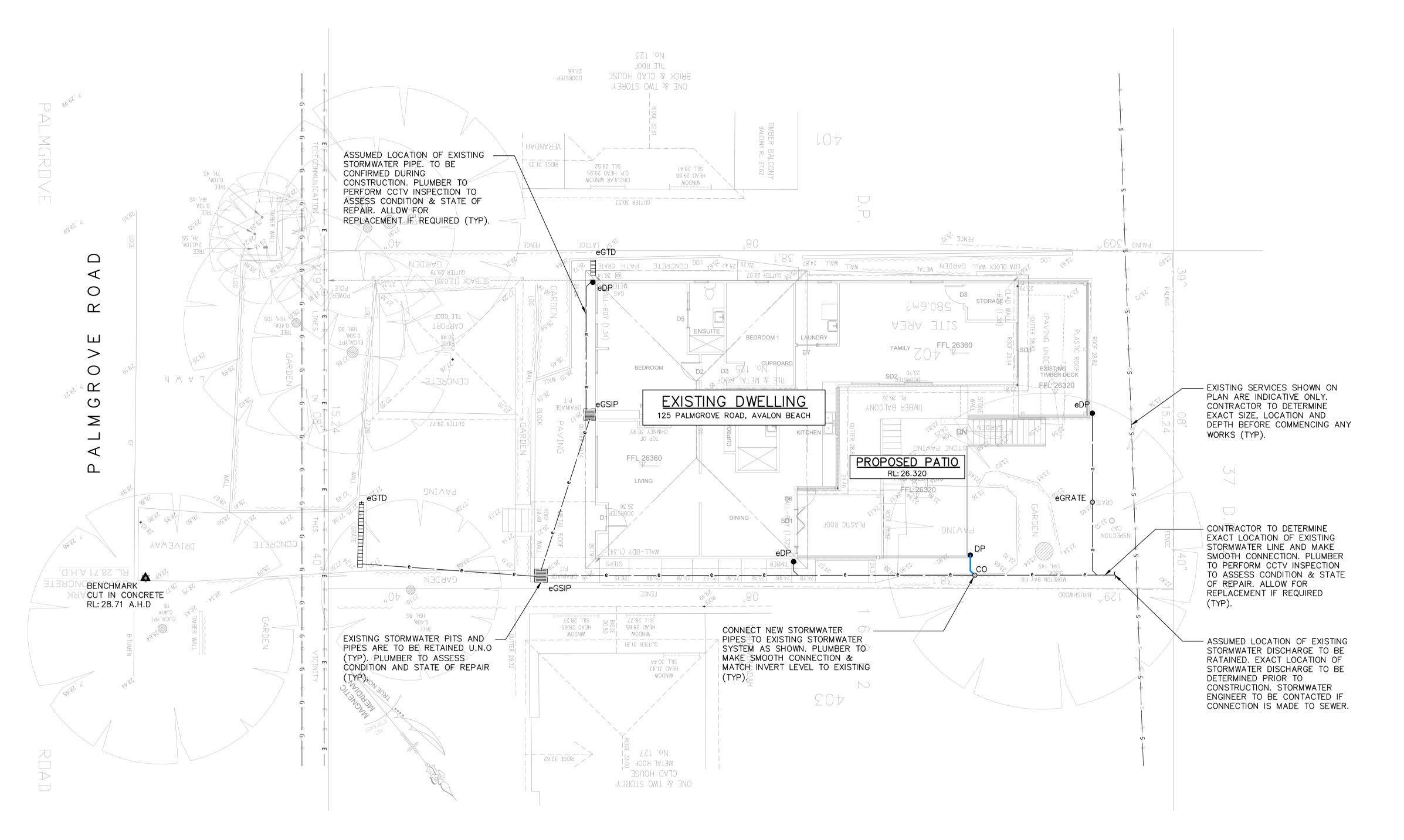
SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT PRIME ENGINEERING CONSULTANTS.

ADOPT DATUM PM 55496 RL: 31.7 (A.H.D) AS PER BEE & LETHBRIDGE QUALITY SURVEYING & DEVELOPMENT SOLUTIONS.

	DRAWING REGISTER						
NUMBER	REVISION						
SW01	COVER SHEET	Α					
SW02	SPECIFICATIONS SHEET	А					
SW03	STORMWATER DRAINAGE PLAN & DETAILS	Α					



DRAWN	DATE	DESCRIPTION	ISSUE	CLIENT	DESIGNED B	Y: A.D.	ISSUE:	
A.D.	A.D. 18.06.2020 ISSUED FOR DA		A	BUILDING APPROVAL SOLUTIONS	CHECKED B	Y: A.D.	Λ	SPECIFICATIONS
				SITE ADDRESS	SCALE:	1:100	\exists	SHEET
				125 PALMGROVE ROAD, AVALON BEACH	CLIENT REF: I	DRAWING NO:	SHEET NO:	
					PSW20081	_	SW02	



GROUND FLOOR PLAN

SCALE 1:100

DESIGN NOTES:

SITE IS LOCATED IN NORTHERN BEACHES COUNCIL.

SITE AREA = 580.6m²

ALL DOWNPIPES SHOWN ON PLAN ARE Ø100mm uPVC U.N.O.

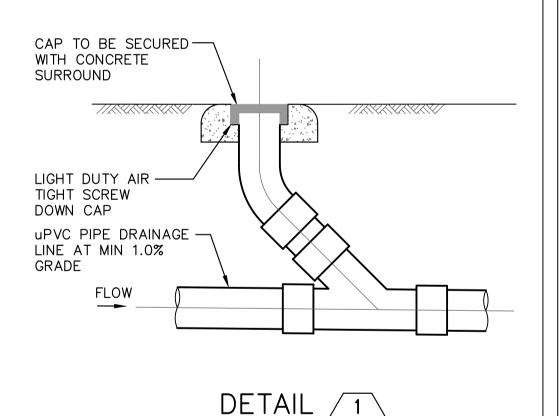
ALL NEW STORMWATER PIPES TO HAVE A MINIMUM OF 100mm CONCRETE OR 300mm TOPSOIL COVER U.N.O.

PROPOSED DOWNPIPE LOCATIONS ARE NOMINAL AND TO BE CONFIRMED DURING CONSTRUCTION (TYP).

ALL STORMWATER PITS AND PIPES TO BE A MINIMUM OF 0.6m CLEAR FROM EXISTING SEWER LINE (TYP).

KEY NOTES:

- 1. ALL EXISTING STORMWATER PIPES AND DOWNPIPES ARE TO BE RETAINED U.N.O (TYP). PLUMBER TO ASSESS CONDITION AND STATE OF REPAIR. ALLOW FOR REPLACEMENT IF REQUIRED.
- 2. CONTRACTOR TO ENSURE LOCATION OF NEW DWELLING DOES NOT ADVERSELY IMPACT EXISTING STORMWATER SYSTEM. IF SO, CONTRACTOR TO CONTACT STORMWATER ENGINEER PRIOR TO COMMENCING ANY WORKS.
- 3. CONTRACTOR PERMITTED TO CONNECT TO EXISTING STORMWATER SYSTEM IF FOUND TO BE IN GOOD CONDITION DURING CONSTRUCTION. STORMWATER ENGINEER TO BE CONTACTED PRIOR TO COMMENCING ANY WORKS WHICH VARY FROM THE APPROVED STORMWATER PLANS.
- 4. IF EXISTING STORMWATER SYSTEM IS CONNECTED TO SEWER, CONTRACTOR IS TO RECTIFY STORMWATER DESIGN AND CREATE A NEW CONNECTION AS PER COUNCIL SPECIFICATIONS AND AUSTRALIAN STANDARDS. CONTRACTOR TO CONTACT STORMWATER ENGINEER PRIOR TO COMMENCING ANY WORKS.





CLEANING EYE -SCALE 1: 20

DIAL BEFORE YOU DIG SHOULD BE CONTACTED PRIOR TO ANY EXCAVATION ON SITE

TM: TRADE MARK OF THE ASSOCIATION OF DIAL BEFORE YOU DIG SERVICES LTD. USED UNDER LICENSE.



RAWN	DATE	DESCRIPTION	ISSUE	CLIENT	DESIGNED BY:	A.D.	ISSUE:
A.D.	18.06.2020	ISSUED FOR DA	А	BUILDING APPROVAL SOLUTIONS	CHECKED BY:	A.D.	٨
				SITE ADDRESS	SCALE:	1:100] A
				125 PALMGROVE ROAD, AVALON BEACH	CLIENT REF: DRAWING NO:		SHEET NO:
					PSW20081	_	SW03
					1 31120001		

SITE STORMWATER DRAINAGE PLAN & DETAILS