

PRIME ENGINEERING CONSULTANTS

PROPOSED SECONDARY DWELLING AT 48 MACTIER STREET, NARRABEAN NSW 2101



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	DRAWN	DATE	DESCRIPTION	ISSUE	CLIENT	DESIGNED BY:	D.S.	ISSUE:
	D.S.	09.12.2021	ISSUED FOR D.A.	А	SHARON ELLISON	CHECKED BY:	D.S.	Λ
					SITE ADDRESS	SCALE:	1:100	
S					48 MACTIER STREET, NARRABEAN NSW 2101	CLIENT REF: DRAWI	NG NO:	SHEET NO:
						PSWxxxxx	_	SW01

COVER PAGE

<u>LEGEND</u>	
DP●	DOWNPIPE
	STORMWATER LINE
SSD	SUBSOIL DRAINAGE LINE
—— OF ——	OVERFLOW LINE
SWRM	STORMWATER RISING MAIN
e	EXISTING STORMWATER LINE
	AUTHORITY STORMWATER LINE
—— нь—— нь——	HIGH LEVEL STORMWATER LINE
s	AUTHORITY SEWER LINE
w	AUTHORITY WATER LINE
—— G ——— G ———	AUTHORITY GAS LINE
	AUTHORITY ELECTRICITY LINE
— FO— FO— FO—	AUTHORITY FIBRE OPTIC LINE
TEL	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
○ ePP	EXISTING POWER POLE
eBT	EXISTING BOUNDARY TRAP

<u>LEGEND</u>	
FF ⊘	FIRST FLUSH
eSMH	EXISTING SEWER MANHOLE
OFP	OVERLAND FLOW PATH
RWO ∅	RAINWATER OUTLET
CO Ø	CLEAR OUT POINT
DDO ∅	DISH DRAIN OUTLET
PD ∅	PLANTER DRAIN
٦	CAPPING
(1.01)	PIT TAG/NUMBER
RH 🖸	RAINHEAD
•	DOWNPIPE DROP
\bowtie	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:

ø or DIA DIAMETER CALIFORNIA BEARING RATIO CHAINAGE CENTER LINE CLEAR OUT DISH DRAIN DISH DRAIN OUTLET DOWELLED EXPANSION JOINT DGB DENSE GRADED BASECOURSE DGS 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 KERB INLET PIT KERB ONLY KERB & GUTTER KERB RETURN LONGITUDINAL SECTION NATURAL GROUND LEVEL OVERLAND FLOW PATH OSD ON-SITE DETENTION REINFORCED CONCRETE PIPE ROLL KERB & GUTTER REDUCED LEVEL RETAINING WALL RAINWATER TANK SAWN CONTROL JOINT SEWER MAN HOLE STORMWATER SWP STORMWATER PIT STORMWATER RISING MAIN SWRM

STORMWATER SUMP

STOP VALVE

TOP OF KERB

TOP OF WALL TOP WATER LEVEL

TYPICAL

BENCH MARK

TANGENT POINT

UNPLASTICISED POLYVINYL

UNLESS NOTED OTHERWISE WEAKENED PLANE JOINT FIRST FLUSH DEVICE

TOW

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 MATERIAL

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 DIAMETER

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

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

COMPRESSIVE STRENGTH f'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 SELECT FILL (LESS THAN 300mm

98% MODIFIED

95% MODIFIED

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 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.

	DRAWING REGISTER					
NUMBER	NUMBER NAME					
SW01	COVER SHEET	А				
SW02	SPECIFICATIONS SHEET	А				
SW03	STORMWATER PLAN & DETAILS	А				





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