

PROPOSED SECONDARY DWELLING

52 WAKEHURST PARKWAY, NORTH NARRABEEN NSW 2161

de boke

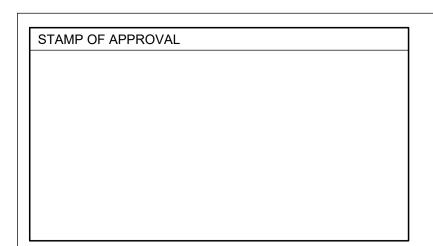
REF | SW21025

REVISION | A

CLIENT | PROJECT FLOW

ARCHITECT | DESIGN FORMATION

ENGINEERING CONSULTANTS



DRAINAGE NOTES:

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

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

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

MAXIMUM FRONT ENTRY PIPE:-STRAIGHT ENTRY - Ø750

SKEW ENTRY 45° - Ø525

DIAMETER

COUNCIL

Ø100 SUBSOIL DRAINAGE PIPE 3000mm LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED ADJACENT TO INLET PIPES

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

PROVIDE CLEANING EYES TO ALL DOWNPIPES NOT DIRECTLY CONNECTED TO PITS

ISOLATED JOINTS TO BE PROVIDED TO ISOLATE CONCRETE

ALL TRENCH GRATES PROVIDED SHALL HAVE A MINIMUM CLEAR WIDTH OF 200mm

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

AUTHORITY STORMWATER NOTES:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL SET OUT AND LEVELS PRIOR TO COMMENCEMENT OF WORKS AND TO REPORT ANY DISCREPANCIES FOUND TO THE SUPERINTENDANT.

ALL SET OUT DIMENSIONS ARE TO FACE OF KERB, CENTERLINE OF FENCE/BOLARD/PIPE.

SMOOTH ALL TRANSITIONS BETWEEN NEW AND EXISTING WORK IN BOTH LEVEL AND ALIGNMENT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL SAFETY FENCES, WARNING SIGNS, TRAFFIC DIVERSIONS AND THE LIKE DURING CONSTRUCTION. ALL WORKS TO COMPLY WITH OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS AND OTHER RELEVANT AUTHORITY SAFETY REQUIREMENTS.

NO TREES SHALL BE REMOVED. CUTBACK OR RELOCATED WITHOUT THE WRITTEN INSTRUCTION FROM THE SUPERINTENDENT.

THE CONTRACTOR SHALL PROVIDE CERTIFICATION OF COMPACTION AND PAVEMENT THICKNESS FROM A NATA REGISTERED TESTING AUTHORITY. MINIMUM THREE TESTS PER LAYER AS FOLLOWS

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

DENSITY INDEX 75 95% STANDARD 98% MODIFIED

BASE COURSE 100% MODIFIED

THE AUSPEC SPECIFICATION SHALL BE THE SPECIFICATION FOR THESE WORKS.

KERB INLET PIT NOTES:

KERB INLET PITS TO BE CONSTRUCTED TO NORTHERN BEACHES COUNCIL STANDARDS.

ALL KERB INLET PITS TO BE CAST IN-SITU, U.N.O. BY NORTHERN BEACHES COUNCIL STANDARD DRAWINGS.

ALL CONCRETE SHALL BE 32MPa STRENGTH AT 28 DAYS WITH F82 MESH CENTRALLY PLACEDBY NORTHERN BEACHES COUNCIL STANDARD DRAWINGS.

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.

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

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: 95% MODIFIED

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

98% MODIFIED 100% MODIFIED

CH CHAINAGE CENTER LINE CL CO CLEAR OUT DD DISH DRAIN DDO DISH DRAIN OUTLET DEJ

GSIP HYDRANT **ISOLATING JOINT** INTEGRAL KERB **INVERT LEVEL** INTERSECTION POINT

KERB INLET PIT KERB ONLY K&G **KERB & GUTTER** KR KERB RETURN LONGITUDINAL SECTION NGL NATURAL GROUND LEVEL

RADIUS ROLL KERB & GUTTER REDUCED LEVEL **RETAINING WALL** RW

SAWN CONTROL JOINT SEWER MAN HOLE SMH SW STORMWATER SWP STORMWATER PIT SWRM

SV STOP VALVE TOK TOP OF KERB TOW TOP OF WALL TWL TOP WATER LEVEL TANGENT POINT

UNLESS NOTED OTHERWISE UNO WPJ WEAKENED PLANE JOINT FF FIRST FLUSH DEVICE

ABBREVIATIONS: Ø or DIA

CALIFORNIA BEARING RATIO DOWELLED EXPANSION JOINT DGB DENSE GRADED BASECOURSE

DGS DENSE GRADED SUB-BASE DOWNPIPE EXISTING FINISHED FLOOR LEVEL GRATED TRENCH DRAIN GTD

GRATED SURFACE INLET PIT

OFP OVERLAND FLOW PATH ON-SITE DETENTION

REINFORCED CONCRETE PIPE RWT RAINWATER TANK

STORMWATER RISING MAIN SWS STORMWATER SUMP

UNPLASTICISED POLYVINYL CHLORIDE

TYPICAL

DRAWING REGISTER NUMBER NAME REVISION S100 **COVER SHEET** S101 SPECIFICATIONS SHEET S200 SITE STORMWATER MANAGMENT PLAN



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

PRIOR TO ANY EXCAVATION ON SITE

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.

----- RAINWATER TANK LINES STORMWATER LINE ---- SSD ---- SUBSOIL LINE — SWRM—— SWRM—— STORMWATER RISING MAIN — OF — OF — OVERFLOW LINE ———— e——— EXISTING STORMWATER LINE **AUTHORITY STORMWATER LINE AUTHORITY SEWER LINE AUTHORITY WATER LINE** — G — G — AUTHORITY GAS LINE — — E — AUTHORITY ELECTRICITY LINE —— UE— —— AUTHORITY UNDERGROUND ELECTRICITY LINE **AUTHORITY COMMS LINE** FENCE LINE GRATED SURFACE INLET PIT JUNCTION PIT KERB INLET PIT EXISTING KERB INLET PIT **EXISTING TELSTRA PIT EXISTING HYDRANT** eSV \bowtie EXISTING STOP VALVE ePP EXISTING POWER POLE **EXISTING SEWER MANHOLE**

CO

LEGEND:

RAINWATER OUTLET

BENCHMARK

OVERLAND FLOW PATH

CLEAR OUT POINT CAPPING DOWNPIPE DROP

DP DOWNPIPE

SPOT LEVELS

2 A.A. 02.02.2021 ISSUED FOR DA DESCRIPTION APP. DESIGN DATE

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A.A. DESIGNED: A.A. REVIEWED: J.D. DATE: 02.02.2021 DATE: 02.02.2021 APPROVED:

B.E CIVIL/STRUCTURAL BEng,MIEAust MEMB. NO: 5579488



ARCHITECT:

CLIENT:

PROJECT FLOW

PROJECT: PROPOSED SECONDARY DWELLING ADDRESS: 52 WAKEHURST PARKWAY, NORTH NARRABEEN APPLICATION: DEVELOPMENT APPLICATION (DA) NORTHERN BEACHES COUNCIL

TITLE: ALL DIMENSIONS IN 'm' **COVER SHEET UNLESS OTHERWISE** STATED PROJECT NO. SCALE: SW21025 DRAWING NO. S101

