

STORMWATER LAYOUT NOTES -PITS UP TO 600 DEEP TO BE 450 x 450 U.N.O., PITS UP TO 900 DEEP TO BE 600 x 600 U.N.O., PITS UP TO 1200 DEEP TO BE 900 x 600 U.N.O., PITS EXCEEDING 1200 DEEP TO BE 900 SQ. U.N.O. PITS TO BE PRECAST CONCRETE OR RENDERED BRICK WITH CONCRETE HEAVY DUTY GRATES. U.N.O. LIGHT DUTY PITS AND GRATES MAY BE USED ONLY IN LIGHT/FOOT TRAFFICABLE AREAS. U.N.O. ALL PITS TO BE BENCHED TO DISCHARGE PIPES U.N.O. GAL. STEP IRONS TO ALL PITS EXCEEDING 900 DEPTH.

-COVER AND SUMP GRATES SHALL COMPLY WITH AS2733 &

-DOWNPIPES TO BE 90 DIA IF CHARGED AND 100 x 50 BOX IF GRAVITY. U.N.O. DP'S SHALL BE INSTALLED IN ACCORDANCE WITH AS3500.3.2:4.11 & AS4198. MAX. ROOF AREA PER DOWNPIPE WITH A NOMINATED GUTTER SIZE TO BE DETERMINED USING MANUFACTURERS SPECIFICATIONS WITH OVERFLOW PROVISIONS BY

-PIPES TO HAVE 1% MIN.GRADE U.N.O. BY PIT INVERTS. PIPES TO BE V.C. CLASS 'X' OR U.P.V.C. CLASS STORMWATER PIPE TO AS1254,1260,1273,1477,2179.2 AND WHERE EXPOSED TO DIRECT SUNLIGHT TO HAVE ADEQUATE PROTECTION TO U.V. RADIATION IN ACCORDANCE WITH AS2032. SEWER GRADE/GAL. PIPES AND KERB ADAPTORS TO BE USED WHERE COUNCIL POLICY OR CONSENT

REQUIRE SUCH.
—GUTTER OUTLETS SHALL BE FITTED VERTICALLY TO THE SOLE OF THE EAVE GUTTERS. RAINHEADS TO HAVE AN OVERFLOW DUCT OR WEIR 50mm BELOW THEIR CREST.

-PROVIDE OVERFLOW SPITTERS TO ALL COVERED BALCONIES/ TERRACES. NOT TO BE DIRECTED ON TO ROOF SURFACES -RISING MAINS (PRESSURE PIPE) TO BE IN ACCORDANCE WITH

AS3500.1:2. -SUBSOIL DRAINS TO BE IN ACCORDANCE WITH AS2439.1 CLASS

100 TO BE USED ONLY IN SINGLE DWELLINGS.

-ALL PIPE JOINTS, VALVES TO BE IN ACCORDANCE WITH AS3500.3.2:2.7 & AS3500.3.2

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AS4198.
-ALL TRENCHES TO BE IN ACCORDANCE WITH AS3500.3.2:7.2.8-14. EMBEDMENT MATERIAL AND TRENCH FILL TO ALL PIPES & SUBSOIL, DRAINS TO BE IN ACCORDANCE WITH AS3500.3.2:7, ALL WORKS TO BE IN ACCORDANCE WITH AS1254, 1741, 2032, 2733 2865, 3996, 1260, 1477, 2179.1 & 2,2566, 6367, 8301, ARR97

& BCA.

IT IS. THE BUILDER'S RESPONSIBILITY TO CONFIRM THAT LEVELS

AND SURVEYS ARE IN ACCORDANCE WITH LEVELS ON SITE & ARE

APPROVED BY COUNCIL & ARCHITECT BEFORE COMMENCING WORK.

NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION BASINS. ALL BASIN WALLS TO BE WATERTIGHT & STRUCTURALLY DESIGNED BY A STRUCTURAL ENGINEER

-ALL FENCES WHICH MAY DIVERT FLOW FROM PROPOSED DIRECTION TO BE RAISED 100mm.
-BUILDER TO ENSURE ALL DRAINAGE AREAS INCLUDING EXPOSED

BALCONIES TO HAVE OVERFLOW MECHANISM IN PLACE IN THE EVENT OF BLOCKAGE WITH ADEQUATE OVERFLOW SECTION THROUGH PLANTERS, PARAPETS ETC.
-ALL EXTERIOR FINISHED GROUND LEVELS TO BE SLOPING AWAY

FROM PERIMETER WALLS IN ALL CASES.

-ALL HEADROOM CLEARANCES TO BE COORDINATED BETWEEN BUILDER & ARCHITECT. NOTIFY ENGINEER FOR APPROVAL IF ANY CHANGES OCCUR.

-ALL GULLY POSITIONS ARE DIAGRAMMATIC ONLY- BUILDER SHOULD CONSULT ARCHITECTURALS FOR DIMENSIONS TO LOCATE STORMWATER

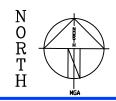
-FIRE RATING TO ARCHITECT'S SPECIFICATION.
-ALL FINISHED FLOOR LEVELS ARE NOMINATED BY ARCHITECT.
-ALL SITE SAFETY MEASURES AND WORK METHOD STATEMENTS
PREPARED BY BUILDER/SUB-CONTRACTORS ARE TO BE
IMPLEMENTED DURING CONSTRUCTION. NO WORK IS TO COMMENCE UNTIL ALL WORKERS CARRY OUT SITE INDUCTION, PREPARED AND CARRIED OUT BY BUILDER. ANY HAZARD IDENTIFICATION TO BE CARRIED OUT BY BUILDER. ANY HAZARD IDENTIFICATION TO BE REPORTED IMMEDIATELY TO SITE SUPERVISOR TO CARRY OUT NECESSARY PROCEDURES TO ELIMINATE HAZARD, PRIOR TO PROCEEDING WITH WORK. STRUCTURAL AND GEOTECHNICAL ADVICE SHOULD BE SOUGHT IN ALL CASES.

-CONFINED SPACES SIGNAGE TO BE INSTALLED IN ACCESSIBLE UNDERGROUND TANKS TO WORK COVER SPECIFICATIONS. ALL PITS

EXCEEDING 600mm DEPTH TO HAVE 'J' BOLTS OR SIMILAR INSTALLED TO GRATES. -MAINTENANCE DEVICES REQ'D BY AUTHORITIES ARE NOT TO BE

ASSUMED SHOWN ON DRAWINGS. —EARTH MOUNDING SHOWN AS TEMPORARY MEASURE UNTIL

ANDSCAPING COMPLETED TO DIRECT FLOWS AS SHOWN. HIS DRAWING IS DIAGRAMMATIC ONLY & NOT TO BE SCALED. IT IS NOT A PART 4A CERT



I REVISIONS

ISSUE	PRINTS	ISSUED TO	DATE
1	EMAIL	BUILDER/CLIENT	7-5-21
2	EMAIL	BUILDER/CLIENT	10-8-21
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SCALE(A3) 1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE DECEMBER 2020 DRAWN M./. DESIGNED M./. APPROVED



IBRAHIM STORMWATER CONSULTANTS

P.O. BOX 400 CHERRYBROOK NSW 2126 TELEPHONE: (02) 9980 5515 FAX: (02) 9980 6114

PROPOSED RESIDENCE AT 38 LINDLEY AVENUE **NARRABEEN** FOR MR & MRS GREER

THIS DRAWING STORMWATER

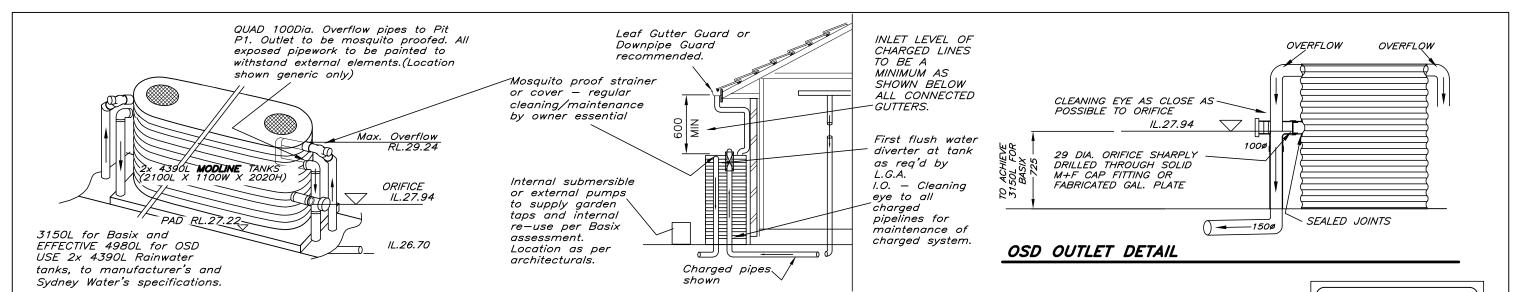
JOB NUMBER

M9915-714763 LAYOUT SH.1

SHEET No. METRICON HOMES

REVISION

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RAINWATER TANK

TANK DETAILS SHOWN ARE A SUGGESTED CONFIGURATION ONLY. ANY MODIFICATIONS TO TANK VOLUME OR INLET AND OUTLET LEVELS MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. TANK SHAPE, & DEVICES SHOWN ARE DIAGRAMMATIC ONLY. MINIMUM OF 450 CLEARANCE (UNLESS L.G.A. REQUIRES LARGER SETBACK) TO SIDE BOUNDARIES MUST BE MAINTAINED. CLIENT IS RESPONSIBLE TO ENSURE COMPLIANCE WITH THIS IN THE INSTALLED STATE. Charged stormwater lines from Roof Areas ONLY to rainwater tank.

All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

600x600 PIT WITH HINGED GRATE. AND 'J' BOLTS

25.37

First flush water diverter at tank to comply with Sydney Water and council DCP's. An approved switch system similar to 'Rainbank' to be used via mains. Pumps to manuf, specs.

Rain Tank to be installed and maintainted to manufacturers specifications and to comply with all Sydney Water Guidelines.

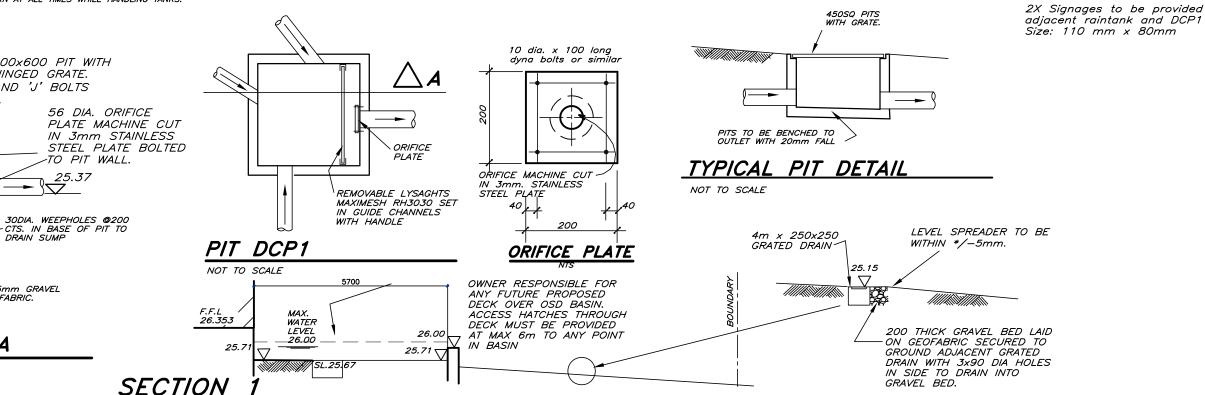
Client to be responsible for maintenance system of charged 'pipelines. Debris accumulátion significantly affects systems performance. Maintenance program essential. Structural details for tank base by manufacturer or others.

WHSA HAZARD IDENTIFICATION:

600x600x200

DEEP SEDIMENT -COLLECTION SUMP

INSTALLATION OF RAINTANKS: PLUMBER/SITE SUPERVISOR TO ASSESS ACCESS SUITABILITY PRIOR OR POST SLAB CONSTRUCTION. INSTALLATION OF TANKS TO BE CARRIED OUT FOLLOWING SWMS OF TANK SUPPLIER AND PLUMBER, APPROPRIATE GLOVES TO BE WORN AT ALL TIMES WHILE HANDLING TANKS.



ISSUE PRINTS ISSUED TO DATE EMAIL BUILDER/CLIENT 7-5-21 EMAIL BUILDER / CLIENT

PIT DCP1 -SECTION A

REMOVABLE MAXIMESH RH3030 MESH SCREEN, WITH HANDLES

25.67

ALL RETAINING WALLS WHERE REQUIRED TO BE WHOLLY CONTAINED

WITHIN SITE BOUNDARIES INCLUDING AG-LINES. STRUCTURAL DESIGN

BY OTHERS. CONNECTION OF AGLINE TO BE CONNECTED TO PIT PT OR ADDITIONAL SILT ARRESTOR PITS BY OWNER AS REQUIRED TO BE APPROVED BY COUNCIL/PCA PRIOR TO DOING SO.

200deep x (600x600) 15mm GRAVEL WRAPPED IN GEOTEXTILE FABRIC.

SCALE(A3)1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE DECEMBER 2020 DRAWN M./. DESIGNED M./.

APPROVED



WHSA ALL NEARBY SERVICES TO BE LOCATED PRIOR EXCAVATIONS. ALL PIPES TO BE CUT FLUSH WITH PIT WALLS AND SPARGED. PITS EXCEEDING 600mm IN DEPTH TO HAVE LOCK DOWN MECHANISM. SAFETY GEAR TO BE WORN AT ALL TIMES. INCLUDING FOOTWEAR, CLOTHING AND GLOVES AS PER SWMS.

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PROPOSED RESIDENCE AT 38 LINDLEY AVENUE **NARRABEEN** FOR MR & MRS GREER

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THIS DRAWING STORMWATER DETAILS SH.1 BUILDER METRICON HOMES

I REVISIONS

A Archt. revisions

M9915-714763

THIS IS AN ON-SITE STORMWATER **DETENTION SYSTEM**

IT IS AN OFFENSE TO REDUCE THE

VOLUME OR TO INTERFERE WITH THE

ORIFICE PLATE THAT CONTROLS THE OUTFLOW
THE BASE OF THE OUTLET CONTROL

PIT AND DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND SEDIMENT

ON A REGULAR BASIS BY THE OWNER

THIS PLATE MUST NOT BE REMOVED

SHEET No.

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