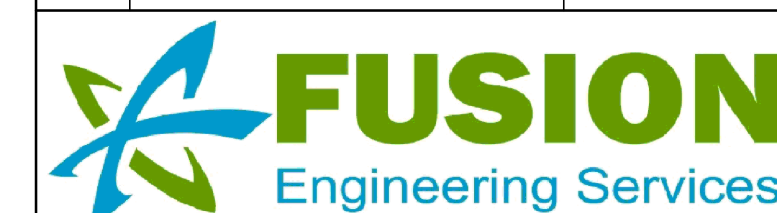


C	ARCHI REVISED	28-06-2021
B	UPDATED COUNCIL'S COMMENTS	14-08-2019
A	UPDATED COUNCIL'S COMMENTS	26-05-2019
NO.	REVISION	DATE



29/10 CAWLEY ROAD, YARRAVILLE
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FUSION ENGINEERING SERVICES IS THE TRADING NAME
OF RAS ENGINEERS PTY. LTD.
ABN: 85 168 832 951 ACN: 168 832 951

DESIGNED BY: RD

DRAWN BY: SG

APPROVED BY: AS

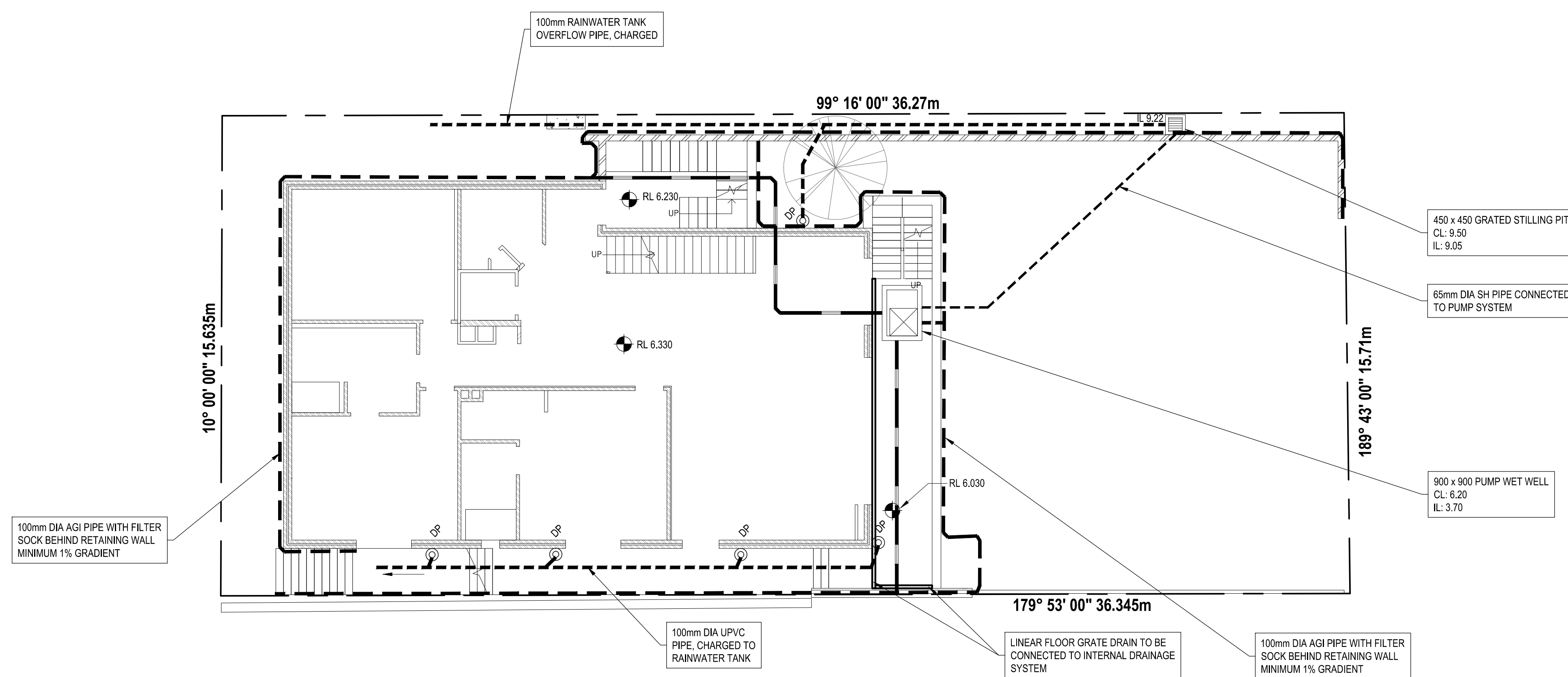
CLIENT
TONY AND ALLISON NICOL

PROJECT TITLE
PROPOSED STORMWATER DRAINAGE
DESIGN
2 TOURMALINE STREET, NARRABEEN
NSW 2101

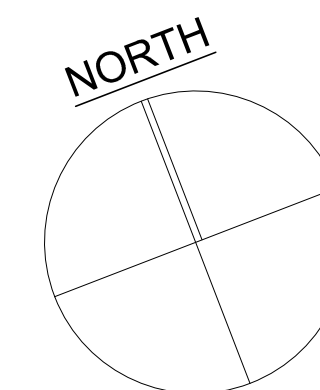
DRAWING TITLE
STORMWATER DRAINAGE PLAN

DATE: 31-07-2018	DWG NO: 2016-1833
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SCALE: AS NOTED @A1	SHEET NO: S01
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LOWER GROUND FLOOR PLAN



GROUND FLOOR PLAN
SCALE = 1:100

Dimensions:
 - Top: 99° 16' 00" 36.27m
 - Right: 189° 43' 00" 15.71m
 - Bottom: 179° 53' 00" 36.345m
 - Left: 10° 00' 00" 15.635m

Key Features and Callouts:
 - 100mm RAINWATER TANK OVERFLOW PIPE, CHARGED
 - 3000L SLIMLINE RAINWATER TANK
 - 450 x 450 GRATED STILLING PIT CL: 9.50 IL: 9.05
 - 65mm DIA SH PIPE FROM PUMP WET WELL
 - 100mm DIA UPVC PIPE (CONNECT TO PUMP WET WELL)
 - 100mm DIA AGI PIPE WITH FILTER SOCK BEHIND RETAINING WALL MINIMUM 1% GRADIENT
 - LINEAR FLOOR GRATE DRAIN TO BE CONNECTED TO INTERNAL DRAINAGE SYSTEM
 - 100mm DIA PIPE CHARGED
 - 100mm DIA AGI PIPE WITH FILTER SOCK BEHIND RETAINING WALL MINIMUM 1% GRADIENT
 - 100mm DIA UPVC PIPE (CONNECT TO PUMP WET WELL)
 - 450 x 450 GRATED STILLING PIT CL: 9.50 IL: 9.05
 - 65mm DIA SH PIPE FROM PUMP WET WELL

Elevations and Levels:
 - RL 9.530
 - RL 9.420
 - RL 6.230
 - RL 9.720
 - RL 9.670
 - RL 7.810
 - RL 9.600
 - RL 7.541
 - RL 6.792
 - RL 6.230


Other Labels:
 - RHDP
 - UP
 - DN
 - DP
 - R.W.T.
 - 100mm RAINWATER TANK OVERFLOW PIPE, CHARGED
 - 3000L SLIMLINE RAINWATER TANK
 - 450 x 450 GRATED STILLING PIT CL: 9.50 IL: 9.05
 - 65mm DIA SH PIPE FROM PUMP WET WELL
 - 100mm DIA UPVC PIPE (CONNECT TO PUMP WET WELL)
 - 100mm DIA AGI PIPE WITH FILTER SOCK BEHIND RETAINING WALL MINIMUM 1% GRADIENT
 - LINEAR FLOOR GRATE DRAIN TO BE CONNECTED TO INTERNAL DRAINAGE SYSTEM
 - 100mm DIA PIPE CHARGED
 - 100mm DIA AGI PIPE WITH FILTER SOCK BEHIND RETAINING WALL MINIMUM 1% GRADIENT
 - 100mm DIA UPVC PIPE (CONNECT TO PUMP WET WELL)

FIRST FLOOR PLAN
SCALE = 1:100


Dimensions:
Overall Width: 99° 16' 00" 36.27m
Overall Height: 189° 43' 00" 15.71m
Left Section Width: 10° 00' 00" 15.635m
Bottom Section Width: 179° 53' 00" 36.345m

Key Features and Callouts:
 - 100mm RAINWATER TANK OVERFLOW PIPE, CHARGED
 - 3000L SLIMLINE RAINWATER TANK (R.W.T.)
 - 450 x 450 GRATED STILLING PIT CL: 9.50 IL: 9.05
 - 65mm DIA SH PIPE FROM PUMP WET WELL
 - 100mm DIA AGI PIPE WITH FILTER SOCK BEHIND RETAINING WALL MINIMUM 1% GRADIENT
 - 100mm DIA PIPE CHARGED
 - RHDP (Right Hand Down Pipe)
 - DN (Down)
 - UP (Up)
 - RL 12.910
 - RL 12.860


LEGENDS:




DOWNPIPES



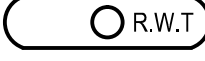
DOWNPIPE SPREADER




RHDP




STILLING PIT




RAINWATER TANK



CHARGE PIPE




UPVC PIPE



AGI PIPE

C	ARCHI REVISED	28-06-2021
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FUSION

Engineering Services

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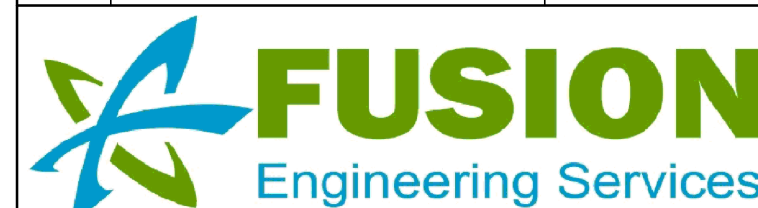
DESIGNED BY: RD	
DRAWN BY: SG	
APPROVED BY: AS	
CLIENT TONY AND ALLISON NICOL	
PROJECT TITLE PROPOSED STORMWATER DRAINAGE DESIGN 2 TOURMALINE STREET, NARRABEEN NSW 2101	
DRAWING TITLE STORMWATER DRAINAGE PLAN	
DATE: 31-07-2018	DWG NO: 2016-1833
SCALE: AS NOTED @A1	SHEET NO: S02



1. STORMWATER PIPES ARE TO BE UPVC SEWER GRADE AND SHALL BE INSTALLED IN ACCORDANCE WITH AS3500.
2. ALL DOWNPIPES ARE TO BE SEALED AND GLUED JOINTS.
3. DOWNPIPES ARE TO BE CONNECTED TO RAINWATER TANK FOR REUSE
4. OVERFLOW FROM RAINWATER TANK IS TO BE CONNECTED TO STILLING PIT NEAR THE FRONT PROPERTY BOUNDARY.
5. OUTLET OF STILLING PIT IS CONNECTED TO KERB AND CHANNEL OF THE STREET.
6. GENERAL LAYOUT ONLY, BUILDER TO CONFIRM LAYOUT AND LEVELS.
7. ALL LEVELS ARE IN m AHD.



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DESIGNED BY: RD

DRAWN BY: SG

APPROVED BY: AS

CLIENT
TONY AND ALLISON NICOL

PROJECT TITLE
PROPOSED STORMWATER DRAINAGE
DESIGN
2 TOURMALINE STREET, NARRABEEN
NSW 2101

DRAWING TITLE
STORMWATER DRAINAGE DETAILS

DATE: 31-07-2018	DWG NO: 2016-1833
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SCALE: AS NOTED @A1	SHEET NO: S03
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