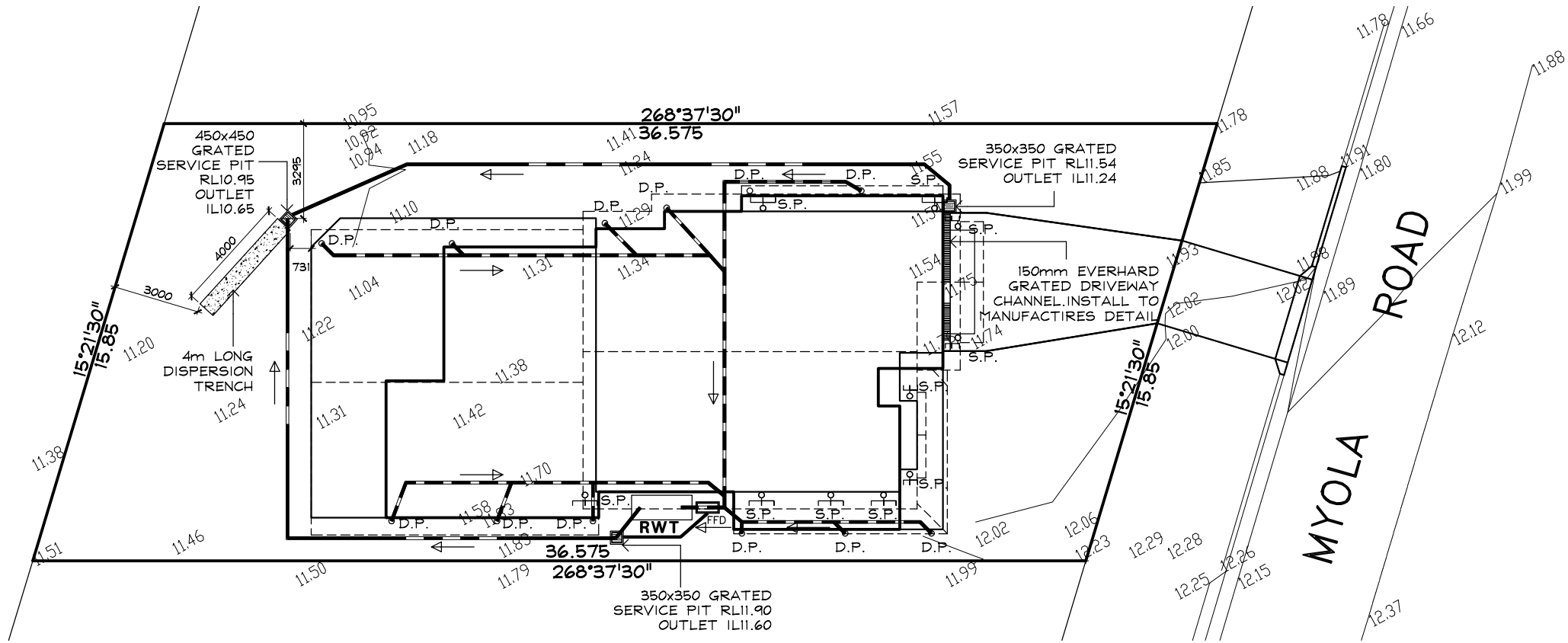




KEY

S.P. --- DOWN PIPE (SPREADER)

D.P. --- DOWN PIPE 90mm

--- FIRST FLUSH DIVERTER

--- 100mm DIA STORM WATER PIPE TO STORAGE TANK

--- 90mm DIA STORM WATER DISCARD PIPE TO SERVICE PIT DISPERSION TRENCH

--- BLEED LINE FROM F.F.D. TO PIT

--- GALVANISED STEEL RHS PIPE TO KERB

--- DRAINAGE GRATE 150mm

--- GRATED PIT

RW/T --- RAIN WATERTANK

STORMWATER MANAGEMENT PLAN

Scale 1:200

HYDRAULIC NOTES

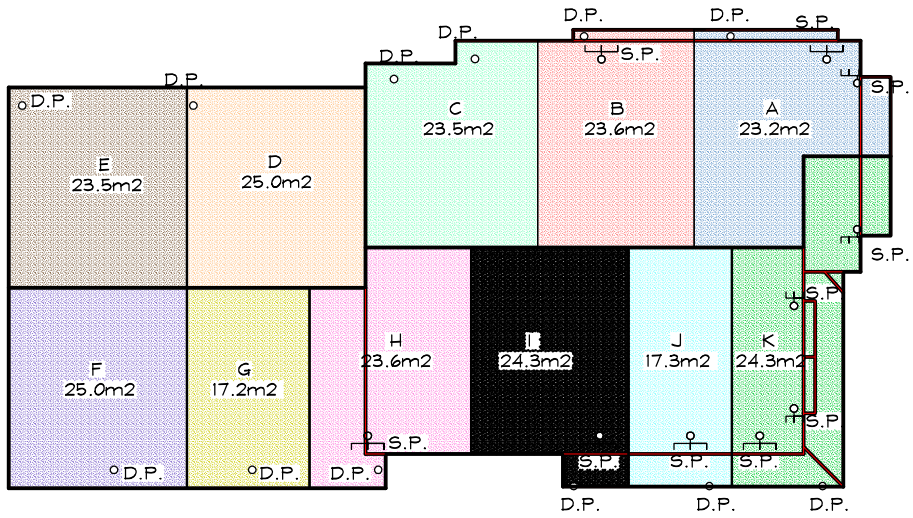
1. THE CONTRACTOR SHALL GIVE NOTICE TO COUNCIL'S ENGINEER IN ACCORDANCE WITH COUNCIL'S SPECIFICATIONS WHEN INSPECTIONS ARE REQUIRED.
2. WHERE DEPTH OF STORMWATER DRAINAGE PITS EXCEEDS 1.2m, HOT DIPPED GALVANISED STEEL STEP IRONS SHALL BE PROVIDED.
3. ALL PITS SHALL BE PRECAST CONCRETE WITH GRATE OR APPROVED EQUIVALENT UNLESS NOTED OTHERWISE.
4. STORMWATER CONNECTION TO COUNCIL'S DRAINAGE SYSTEM SHALL BE DONE UNDER THE SUPERVISION OF COUNCIL'S ENGINEER.
5. ALL STORMWATER PIPES BELOW AND INCLUDING 225Ø SHALL BE UPVC OR APPROVED EQUIV. UNLESS NOTED OTHERWISE.
6. ALL PIPES ABOVE 225Ø SHALL BE REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
7. MINIMUM PIPE COVER TO BE 700mm UNLESS NOTED OTHERWISE.
8. ALL PIPES TO BE LAID AND COVERED WITH SAND TO A MINIMUM DEPTH EQUAL TO THE PIPE DIAMETER, BUT NOT LESS THAN 300mm.
9. IN SANDY SOILS THE EXCAVATED SOIL MAY BE REUSED.
10. ALL 100Ø SUBSOIL DRAINAGE TO BE PLACED A MINIMUM OF 650mm BELOW FINISHED SURFACE LEVELS AND COVERED WITH A MINIMUM OF 500mm GRAVEL.
11. PIPE BEDDING SUPPORT SHALL BE H1 UNLESS NOTED OTHERWISE.
12. STORMWATER GRATES AND MANHOLE CLASSES SHALL BE IN ACCORDANCE WITH AS3996.
13. WHERE PIPE GRADES ARE NOT SHOWN ON DRAWINGS, MINIMUM PIPE GRADES SHALL BE 1% UNO.
14. PIPE GRADES INDICATED ON DRAWINGS ARE MINIMUM GRADES. IF MINIMUM GRADES CANNOT BE ACHIEVED CONTACT THE DESIGN ENGINEER PRIOR TO PLACEMENT.

RAINWATER TANK NOTES

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH AS. 3500.3.2.
2. THIS PLAN TO BE READ IN CONJUNCTION WITH THE BASIX CERTIFICATE NUMBER LISTED IN BASIX/NATHERS NOTES.
3. A TOTAL RAINWATER TANK STORAGE CAPACITY OF 2,000 LITRES IS PROVIDED VIA ONE SLIMLINE TANK CONSISTING OF AN APPROX SIZE 860mm WIDE X 2,100mm L X 1,680mm H WATER TANK CONNECTED TO THE FOLLOWING:
 - ALL TOILETS IN THE DEVELOPEMNT.
 - THE COLD WATER TAP THAT SUPPLIES EACH CLOTHES WASHER IN THE DEVELOPMENT.
 - AT LEAST ONE OUTDOOR TAP IN THE DEVELOPMENT (NOTED: NSW HEALTH DOES NOT RECOMMEND THAT RAINWATER BE USED FOR HUMAN CONSUMPTION.)
4. ALL PIPE AND DOWN PIPES TO BE PRESUSSURE GRADE PIPES TO 500mm ABOVE MAXIMUM WATER LEVEL OF RAIN WATERTANKS.

GUTTER NOTES

1. ALL GUTTERS TO HAVE A MINIMUM CROSS SECTION AS OUTLINED IN TABLE 1.
2. ALL GUTTER GRADIENTS TO BE NOT LESS THAN 1:500
3. TOP OF FASCIA TO BE A MINIMUM OF 15mm ABOVE GUTTER SLOTTED OVERFLOW
4. DOWNPIPE SIZES TO BE IN ACCORDANCE WITH TABLE 1.



STORMWATER ROOF PLAN

Scale 1:200

CATCHMENT AREAS FOR INDIVIDUAL DOWNPIPES AND GUTTERS					
	PLAN VIEW AREA m2	AREA INC SLOPE	GUTTER mm2 (CROSS SECTION)	DOWNPIPE SIZE	AVERAGE RECURRENCE INTERVAL 1 IN 20 YEAR
A	23.2	24.7	7700	90mm	200mm/hr
B	23.6	25.1	7700	90mm	200mm/hr
C	23.5	25.0	7700	90mm	200mm/hr
D	25	26.6	7700	90mm	200mm/hr
E	25	26.6	7700	90mm	200mm/hr
F	25	26.6	7700	90mm	200mm/hr
G	17.2	18.3	7700	90mm	200mm/hr
H	23.6	25.1	7700	90mm	200mm/hr
I	24.3	25.9	7700	90mm	200mm/hr
J	17.3	18.4	7700	90mm	200mm/hr
K	24.3	25.9	7700	90mm	200mm/hr

SITE CALCULATIONS

TOTAL SITE AREA: 555.1 m2
ROOF CATCHMENT AREA: 251.9 m2
RAIN WATER TANK STORAGE (MINIMUM): 2,000 LITRES
OTHER PAVED AREAS (Refer to Site Plan): 0 m2
TOTAL IMPERVIOUS AREA: 281.7 m2 51.7%
TOTAL EXISTING IMPERVIOUS AREA: 248.0 m2
CONTROL-EXISTING IMPERVIOUS + 50m2: 248.0 m2 + 50m2 = 298m2
TOTAL EXISTING IMPERVIOUS AREA: 248.0 m2
ON-SITE DETENTION IS NOT REQUIRED AS 248.0 m2 IS < 298.0 m2
IN ADDITIONAL O.S.D. NOT REQUIRED DUE SITE WITH IN FLOOD AREA



CLASSIC
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PROJECT

**PROPOSED NEW DWELLING
34 MYOLA ROAD
NEWPORT**

FOR

Mr. D. & Mrs. M. SEXTON

DATE **AUGUST 2020** SCALE **1:200**

JOB No.

CC165

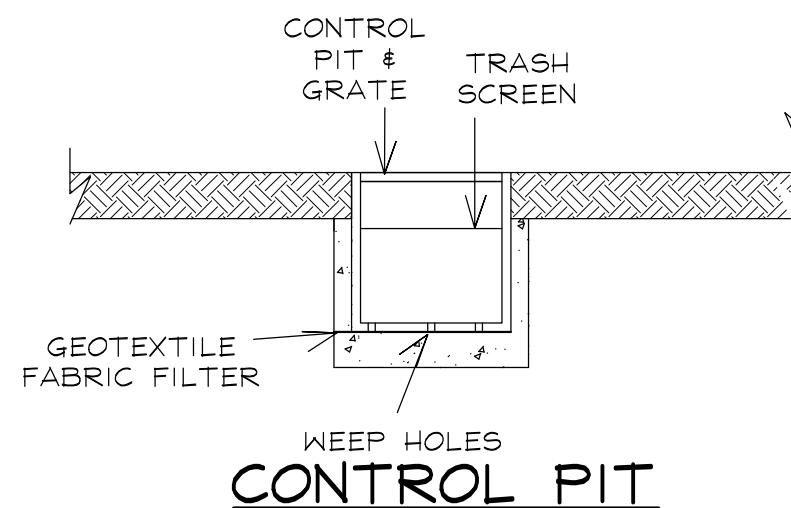
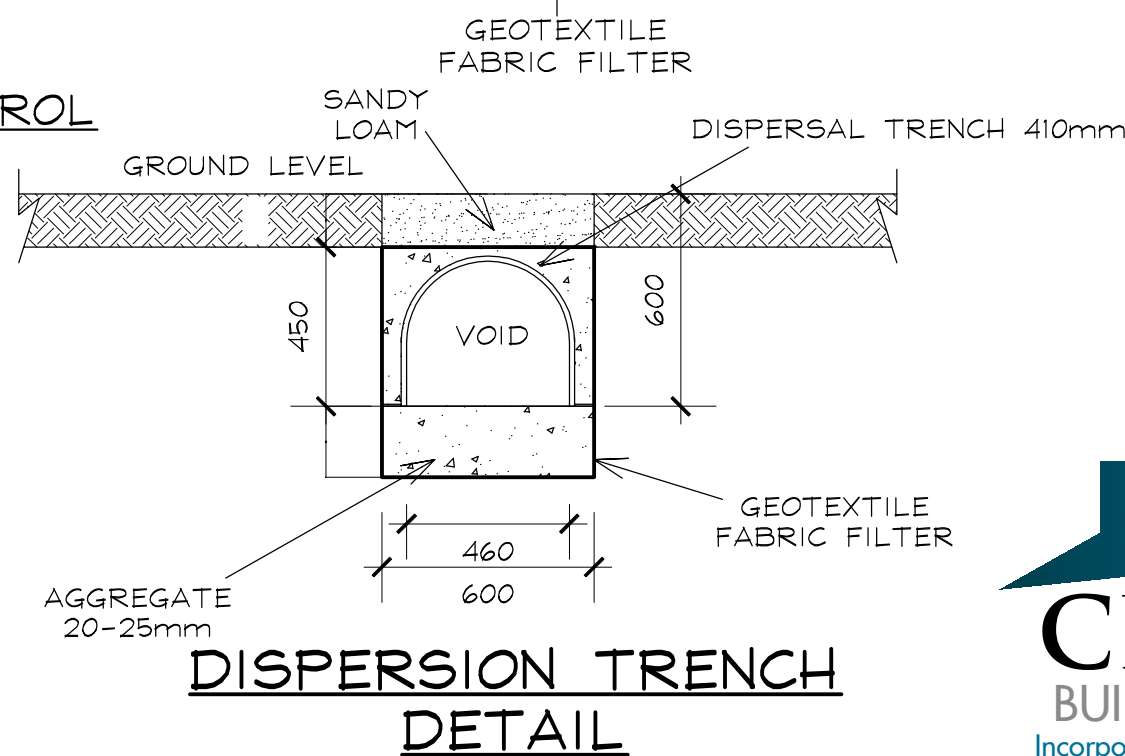
DWG. No.

13

REV

01

IF IN
DOUBT
ASK



N.T.S

IF IN
DOUBT
ASK



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