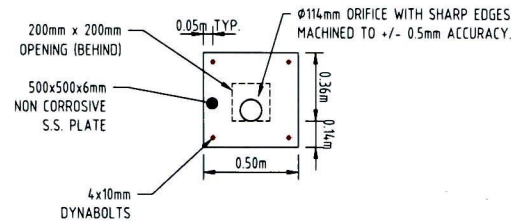


TYPICAL CONCRETE INLET PIT DETAIL
SCALE 1:20



ORIFICE PLATE DETAIL
SCALE 1:20

REFERENCE POINT LOCATION FOR
STORMWATER DRAINAGE STRUCTURES

STRUCTURE TYPE	HORIZONTAL CONTROL (REFERENCE POINT LOCATION)	VERTICAL CONTROL (REFERENCE LEVEL)
FIELD INLET PIT	CENTRE OF GULLY	TOP OF GRATE OR COVER
MANHOLE	CENTRE OF MH.	TOP OF GRATE OR COVER
ROAD GULLY	CENTRE OF GULLY	TOP OF GRATE OR COVER

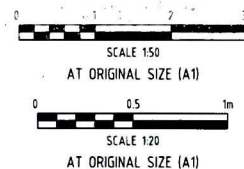
PROPOSED STORMWATER PIT SCHEDULE

PIT ID	DESCRIPTION	D/S PIPE I/L	PROPOSED SL	DEPTH TO INVERT (m)
1/1	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	131.00	132.00	1.00
2/1	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	129.35	130.35	1.00
3/1	900x900 CHAMBER WITH 850x850 CLASS 'B' HEELSAFE GRATE. CONCRETE INFILL TO MATCH SURROUND.	126.60	128.25	1.65
4/1	450x450 CHAMBER WITH CLASS 'D' TRAFFICABLE. CONCRETE INFILL TO MATCH SURROUND.	TANK	TANK	-
5/1	450x450 CHAMBER WITH CLASS 'D' TRAFFICABLE. CONCRETE INFILL TO MATCH SURROUND.	TANK	TANK	-
6/1	600x600 CHAMBER WITH 550x550 CLASS 'B' - NON TRAFFICABLE GRATE	126.59	127.20	0.61
7/1	600x600 CHAMBER WITH 550x550 CLASS 'B' - NON TRAFFICABLE GRATE	125.56	126.38	0.82
8/1	450x450 CHAMBER WITH 500x500 CLASS 'B' - NON TRAFFICABLE GRATE	125.50	125.70	0.2
1/2	450x450 CHAMBER WITH 500x500 CLASS 'B' HEELSAFE - NON TRAFFICABLE GRATE	REFER HYD. ENGINEERS	REFER HYD. ENGINEERS	REFER HYD. ENGINEERS
2/2	450x450 CHAMBER WITH 500x500 CLASS 'B' HEELSAFE - NON TRAFFICABLE GRATE	REFER HYD. ENGINEERS	REFER HYD. ENGINEERS	REFER HYD. ENGINEERS
1/3	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	131.90	132.90	1.0
1/4	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	127.95	129.00	1.05
2/4	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	124.35	126.70	2.35
3/4	600x600 CHAMBER WITH 550x550 CLASS 'B' - NON TRAFFICABLE GRATE	122.60	123.90	1.3
4/4	900x900 CHAMBER WITH 950x950 CLASS 'B' - NON TRAFFICABLE GRATE	117.50	119.00	1.50
5/4	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	126.25	126.25	0.00
1/5	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	124.80	125.80	1.0
2/5	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	121.00	122.00	1.0
3/5	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	117.30	118.30	1.0
3A/5	900x900 CHAMBER WITH 950x950 CLASS 'B' - NON TRAFFICABLE GRATE	117.20	116.50	0.7
4/5	900x900 CHAMBER WITH 950x950 CLASS 'B' - NON TRAFFICABLE GRATE	116.10	114.71	1.39
1/6	900x900 CHAMBER WITH 950x950 CLASS 'B' - NON TRAFFICABLE GRATE	126.40	128.80	2.40
2/6	MANHOLE - AS PER IPWEA STD. DRG. No. DS-020	126.15	-	-
3/6	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	123.70	124.70	1.0
4/6	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	121.10	122.10	1.0
5/6	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	120.67	122.10	1.43
6/6	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	120.07	121.05	0.98
7/6	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	117.50	121.20	3.7
1/7	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	127.80	128.80	1.0
2/7	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	126.40	127.40	1.0
3/7	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	126.25	127.40	1.15
1/8	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	119.95	121.05	1.1
2/8	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	120.20	121.10	0.9
1/9	600x900 CHAMBER WITH 550x850 CLASS 'B' - NON TRAFFICABLE GRATE	120.20	121.10	0.9
1/RW	900x900 CHAMBER WITH CLASS 'D' TRAFFICABLE. CONCRETE INFILL TO MATCH SURROUND.	TANK	TANK	-
2/RW	900x900 CHAMBER WITH CLASS 'D' TRAFFICABLE. CONCRETE INFILL TO MATCH SURROUND.	TANK	TANK	-
3/RW	900x900 CHAMBER WITH CLASS 'D' TRAFFICABLE. CONCRETE INFILL TO MATCH SURROUND.	TANK	121.20	-
4/RW	900x900 CHAMBER WITH CLASS 'D' TRAFFICABLE. CONCRETE INFILL TO MATCH SURROUND.	TANK	121.20	-
1/OSD	900x900 CHAMBER WITH CLASS 'D' TRAFFICABLE. CONCRETE INFILL TO MATCH SURROUND.	TANK	122.10	-
2/OSD	900x900 CHAMBER WITH CLASS 'D' TRAFFICABLE. CONCRETE INFILL TO MATCH SURROUND.	TANK	121.20	-
3/OSD	900x900 CHAMBER WITH CLASS 'D' TRAFFICABLE. CONCRETE INFILL TO MATCH SURROUND.	TANK	121.20	-
4/OSD	900x900 CHAMBER WITH 950x950 CLASS 'B' - NON TRAFFICABLE GRATE	116.30	117.00	0.7
HW/1	PRECAST CONCRETE HEADWALL	N/A	N/A	N/A
HW/2	PRECAST CONCRETE HEADWALL	N/A	N/A	N/A
HW/3	PRECAST CONCRETE HEADWALL	N/A	N/A	N/A

* ALL PITS AND GRATES AS PER MANUFACTURERS SPECIFICATIONS

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
B	05.07.19	ISSUED FOR S4.55 APPROVAL - PIT DETAILS	SF	JH
A	20.03.19	ISSUED FOR APPROVAL	JMB	JH



GROWTH-BUILT
Project Name
PYMBLE AVENUE
2-8 PYMBLE AVENUE AND 2-4 EVERTON ST,
PYMBLE, NSW, 2073

Discipline
CIVIL
Designed By
MRB
Checked By
JH
Project No.
21092
Drawn By
JMB
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Status
APPROVAL
Approved By
JH
Scale at A1
AS SHOWN

Title
ROADWORKS AND DRAINAGE
MANAGEMENT DETAILS

Drawing No.
ADG-CV-21092_SKC32

Revision
B

LEGEND

12.0	FINISHED SURFACE CONTOURS
---	SITE BOUNDARY
---	EXISTING PROPERTY BOUNDARY
---	EXISTING EASEMENT BOUNDARY
---	EXISTING NOMINAL KERB LINE / EDGE OF ROAD
---	EXISTING EDGE OF BITUMEN
---	EXISTING EDGE OF BUILDING
---	EXISTING EDGE OF BUILDING EAVE
S	EXISTING SEWER
-dS--dS	EXISTING SEWER (RECORDS)
-dW--dW	EXISTING WATER (RECORDS)
-dE--dE	EXISTING UNDERGROUND ELECTRICITY (RECORDS)
OE	EXISTING OVERHEAD ELECTRICITY
-dG--dG	EXISTING GAS (RECORDS)
-dT--dT	EXISTING TELECOMMUNICATIONS (RECORDS)
---	LIMIT OF WORKS
SWD	PROPOSED STORMWATER DRAINAGE
SWD	PROPOSED STORMWATER DRAINAGE BY OTHERS
S	PROPOSED SEWER
RM	PROPOSED SEWER RISING MAIN
W	PROPOSED WATER MAIN
---	PROPOSED KERB AND CHANNEL IN ACCORDANCE WITH KU-RING-GAI COUNCIL STANDARDS
---	EXISTING ROAD
---	PROPOSED DRIVEWAY HARDSTAND
---	PROPOSED CONCRETE KERB AND GUTTER DRIVEWAY CROSSOVER IN ACCORDANCE WITH KCC STD DRG. 2004-004
---	BIO-RETENTION FILTER AREA
3	PROPOSED STRUCTURE LABEL

LANDSCAPE ARCHITECT COORDINATION

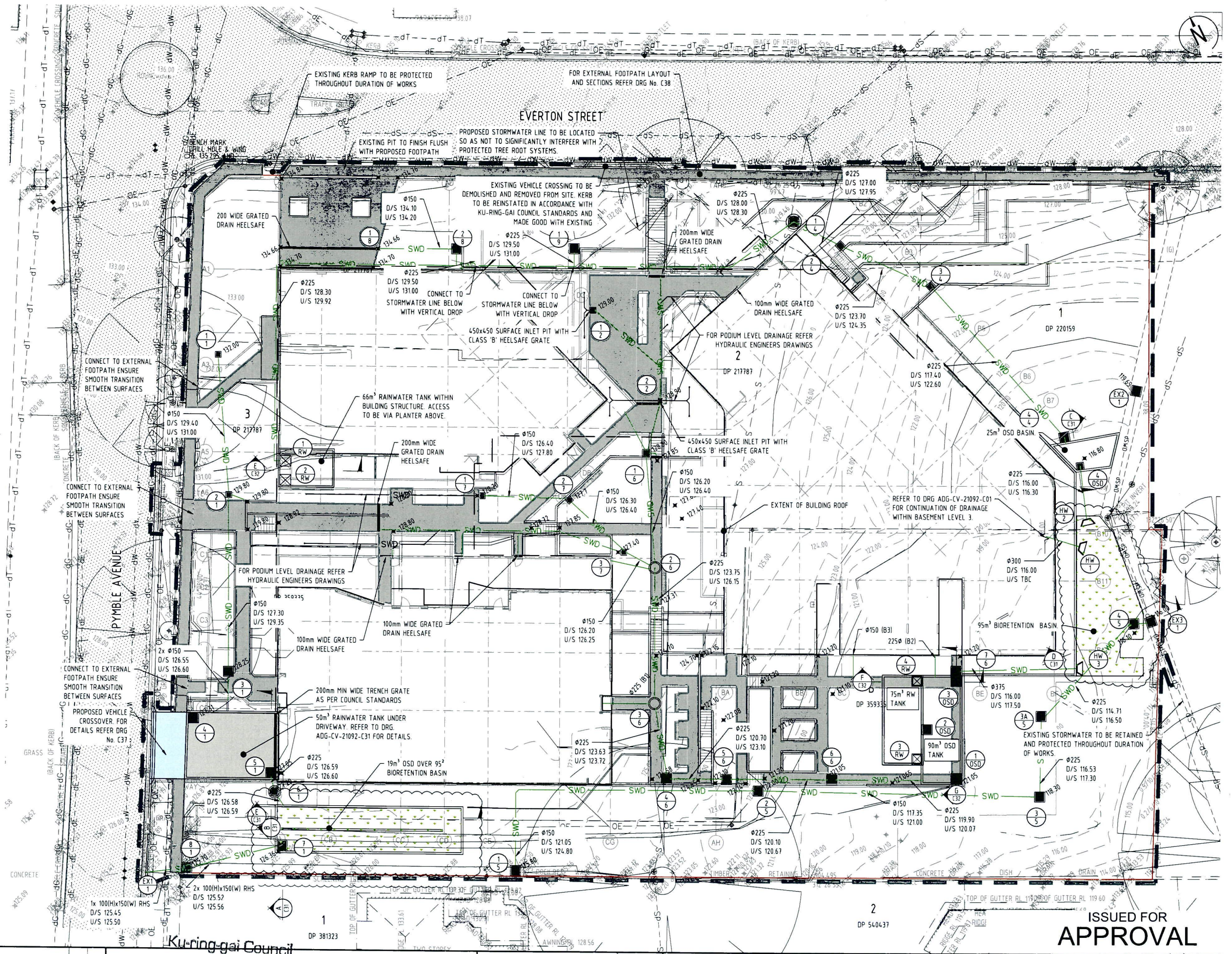
ALL STREETSCAPE AND CROSS LINK PATHWAY WORKS TO BE BUILT REFERENCING LANDSCAPE DRAWINGS. ANY DISCREPANCY BETWEEN CIVILS AND LANDSCAPE ARCHITECT DRAWINGS ARE TO BE HIGHLIGHTED TO SUPERINTENDENT PRIOR TO CONSTRUCTION.

NOTES

- FOR ROADWORKS AND DRAINAGE DETAILS REFER DRG No. ADG-CV-21092_C31
- FOR EXTERNAL FOOTPATH LAYOUT AND SECTIONS REFER DRG No. ADG-CV-21092_C39
- REFER HYDRAULIC ENGINEERS DESIGN FOR ALL SUSPENDED INTERNAL DRAINAGE DETAILS.

WATER QUALITY NOTES (BEST PRACTICE)

- ALL PROPOSED INLET PITS TO BE FITTED WITH STORMWATER360 SERIES 200 ENVIROPODS.
- ALL DOWNPIPES ARE TO BE FITTED WITH 'FIRST FLUSH' DIVERTERS WHICH WILL DIVERT THE FIRST 20L OF ROOF RUNOFF TO LANDSCAPED AREAS. THE TANK WILL SERVE THE DUAL PURPOSE OF PROVIDING THE REQUIRED ON-SITE DETENTION PLUS ACTING IN THE 'BEST PRACTICE' STORMWATER QUALITY TREATMENT TRAIN.
-



ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
C	19.09.19	ISSUED FOR \$4.55 APPROVAL - BIORETENTION BASINS UPDATED	SF	JH
B	05.07.19	ISSUED FOR \$4.55 APPROVAL - RETAINING WALLS, BIORETENTION BASINS, OSD & LANDSCAPE COORDINATION	SF	JH
A	20.03.19	ISSUED FOR APPROVAL	JMB	JH

PLT DATE: 6/23/2019 3:35 PM FILENAME: \\000000\0005\11000\11002\CV\DWG\ADG-CV-21092_SKC30_ROADWORK AND DRAINAGE LAYOUT PLAN.DWG

23 SEP 2019
Received

0 2 4 6 8 10m
SCALE 1:200
AT ORIGINAL SIZE (A1)

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Client
GROWTHBUILT
Project Name
PYMBLE AVENUE
2-8 PYMBLE AVENUE AND 2-4 EVERTON ST,
PYMBLE, NSW, 2073

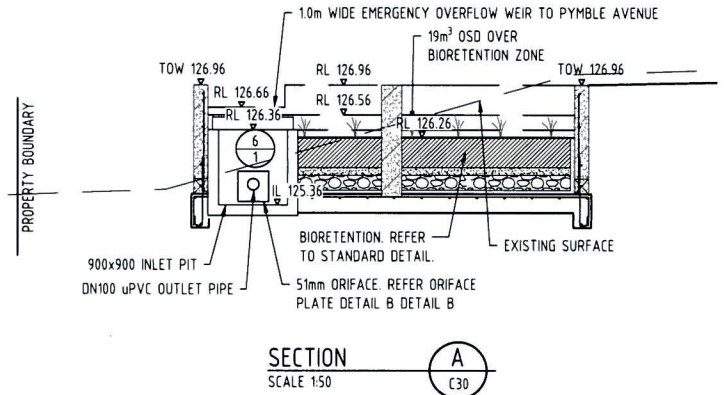
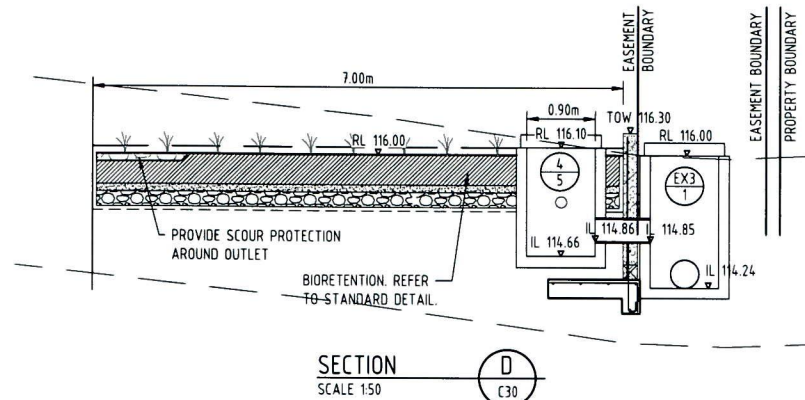
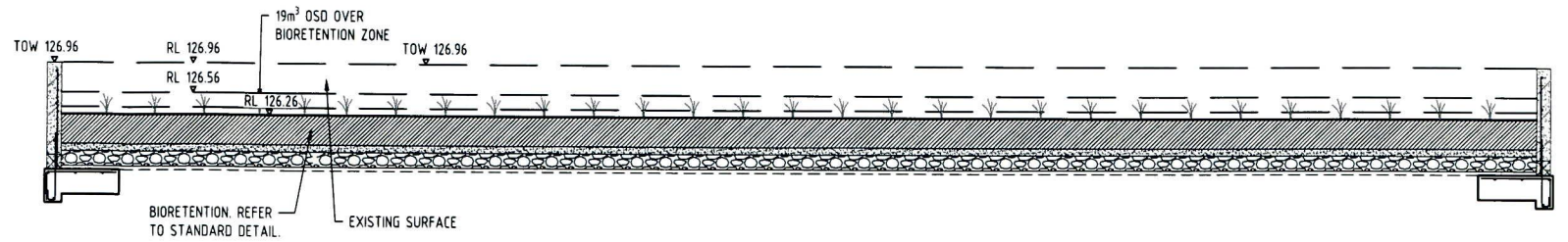
Discipline CIVIL	Status APPROVAL
Designed By MRB	Checked By JH
Project No. 21092	Drawn By JMB
Scale at A1 1:200	

Internal ROADWORKS AND DRAINAGE	Layout Plan
Drawing No. ADG-CV-21092-SKC30	Revision C

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FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

1. FOR GENERAL NOTES REFER DRG NO. ADG-CV-21092_C01, WHICH IS TO BE REQUESTED AND VIEWED PRIOR TO COMMENCEMENT OF CONSTRUCTION IF NOT SUPPLIED.
2. REFER HYDRAULIC DRAWINGS FOR BASEMENT, ROOF AND UPPER LEVEL TERRACES DRAINAGE.
3. ALL ROADWORKS AND DRAINAGE (EXTERNAL TO SITE BOUNDARIES AND/OR COUNCIL OWNED DRAINAGE PIPES INTERNAL TO THE SITE BOUNDARIES) CONSTRUCTION AND TESTING TO BE IN ACCORDANCE WITH KU-RING-GAI COUNCIL DEVELOPMENT GUIDELINES, DRAWINGS AND SPECIFICATIONS.
4. ALL DRAINAGE CONSTRUCTION (PRIVATELY OWNED DRAINAGE LINES INTERNAL TO THE SITE BOUNDARIES) CONSTRUCTED AND TESTED TO BE IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS.
5. ALL ROOFWATER PITS SHALL BE PROVIDED WITH 150Ø STUB TO SERVICE THE LOT AT 50mm ABOVE INVERT OF PIT.
6. DRAINAGE PITS TO BE PROVIDED WITH Ø150 STUB FOR FUTURE HYDRAULIC CONNECTION TO BE MINIMUM 50mm ABOVE INVERT OF PIT.
7. ALL STORMWATER DRAINAGE PIPES INTERNAL TO SITE SHALL BE:
 - a) 225 DIA TO 375 DIA uPVC S8 RUBBER RING JOINTED, BLACKMAX OR APPROVED EQUIVALENT.
 - b) 450 DIA TO 600 DIA PP S8 RUBBER RING JOINTED, BLACKMAX OR APPROVED EQUIVALENT.
8. ALL STORMWATER DRAINAGE PIPES EXTERNAL TO SITE SHALL BE:
 - a) 300 DIA AND GREATER CLASS 2 OR 3 R.C. RUBBER RING JOINTED
9. ALL STORMWATER PIPES ARE TO BE MANUFACTURED TO RELEVANT AUSTRALIAN STANDARDS INCLUDING BUT NOT LIMITED TO AS4058 AND AS1992.
10. STORMWATER DRAINAGE AND STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ONLY. CONTRACTOR TO CONSIDER CONSTRUCTION LOADINGS AND ENSURE NO EXCESSIVE LOADS ARE PLACED ON STORMWATER DRAINAGE OR STRUCTURES.
11. ALL PRECAST END STRUCTURES TO BE CONSTRUCTED WITH REINFORCED CONCRETE END WALL.
12. CONTRACTOR TO CONFIRM LOCATION AND LEVEL OF EXISTING STORMWATER DRAINAGE WHERE CONNECTING ON TO EXISTING.
13. CONTRACTOR TO NOTIFY THE SUPERINTENDENT OF ANY UNSUITABLE FOUNDING MATERIAL WITHIN DRAINAGE TRENCH OR STORMWATER STRUCTURES AND AWAIT DIRECTION PRIOR TO LAYING OF PIPES.
14. TRENCH BACKFILL UNDER PAVEMENT TO BE COMPACTED TO 100% STANDARD DRY DENSITY (AS1289 5.11) IN LAYERS NOT EXCEEDING 150mm OF CBR 15 MATERIAL OR APPROVED EQUIVALENT. TRENCH BACKFILL IN ROADS TO BE MINIMUM CBR15 MATERIAL UP TO ROAD SUBGRADE LEVEL.
15. ALL STORMWATER GRATES/LIDS WITHIN TRAFFICABLE AREAS TO BE CLASS "D" IN ACCORDANCE WITH AS3996.
16. ALL GRATES AND LIDS SHALL SIT FLAT WITH ITS SURROUND AND NOT BE LOOSE OR MOVE UNDER WHEEL LOADS.
17. ALL STORMWATER STRUCTURES TO BE CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATION, AND LOCAL AUTHORITY GUIDELINES AND SPECIFICATIONS, WHERE STRUCTURES EXCEED MAXIMUM DEPTH AS IDENTIFIED WITHIN STANDARD DRAWINGS THE CONTRACTOR WILL ENSURE AN ADEQUATE STRUCTURAL DESIGN IS UNDERTAKEN FOR THE SUBJECT STRUCTURE TO BE CONSTRUCTED TO.
18. CONTRACTOR TO ENSURE ALL MANHOLE STRUCTURES COMPLY WITH THE MAXIMUM DEPTH SPECIFIED IN THE PROJECT SPECIFICATION OR LOCAL AUTHORITY FROM FINISHED SURFACE LEVEL TO UNDERSIDE OF ROOF SLAB. ANY NON CONFORMANCE IS TO BE RECTIFIED AT THE CONTRACTORS EXPENSE.
19. FOR STORMWATER SETOUT DETAILS REFER DRG ADG-CV-21092_C31.
20. CONTRACTOR TO INSTALL STEP IRONS WITHIN MANHOLES/FIELD INLETS WHERE REQUIRED BY LOCAL AUTHORITY.
21. ALL FOOTPATHS TO BE CONSTRUCTED IN ACCORDANCE WITH ARCHITECTURAL/LANDSCAPING DRAWINGS AND RELEVANT AUTHORITY STANDARD DRAWINGS AND SPECIFICATIONS. FOOTPATHS TO BE CONSTRUCTED WITH MAXIMUM 2% CROSSFALL. SHOULD CONSTRUCTED FOOTPATHS EXCEED 25% CROSSFALL, THE CONTRACTOR WILL BE REQUIRED TO RECTIFY BY REMOVING AND REPLACING AT THEIR COST.
22. WHERE A STORMWATER DRAINAGE TRENCH HAS BEEN CONSTRUCTED LONGITUDINALLY IN THE ROAD, THEN THE FINAL PAVEMENT SURFACE REPAIR WIDTH IS TO MATCH THE EXISTING LANE WIDTH AND TERMINATE 50mm CLEAR OF THE ROAD CENTERLINE OR LANE LINE. LINE MARKING TO ALLOW FOR THE BITUMEN EMULSION JOINT SEAL. REINSTATEMENT OF SURFACE ADJACENT TO THE KERB OR ROAD PAVEMENT EDGE TO EXTEND FULLY TO THE KERB LINE OR EDGE OF PAVEMENT.
23. THE CONTRACTOR IS TO CONFIRM THE LOCATION OF SERVICE CONDUITS WITH THE SUPERINTENDENT PRIOR TO LAYING STORMWATER DRAINAGE. ALL TRENCH EXCAVATION AND CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORKPLACE HEALTH AND SAFETY ACT 2011.
24. REMOVE ANY REDUNDANT DRAINAGE OUTLETS FROM THE KERB AND CHANNEL INCLUDING ANY ASSOCIATED PIPEWORK ACROSS THE FOOTWAY AND REINSTATE THE KERB AND CHANNEL AND THE FOOTWAY AREA IN ACCORDANCE WITH COUNCIL GUIDELINES.
25. CONTRACTOR TO UNDERTAKE ROADWORKS TESTING IN ACCORDANCE WITH COUNCIL GUIDELINES, DRAWINGS AND SPECIFICATIONS.
26. CONTRACTOR TO UNDERTAKE AND PROVIDE CCTV OF ALL STORMWATER LINES AT ON MAINTENANCE AND OFF MAINTENANCE. SHOULD THE CCTV IDENTIFY DAMAGE OR CRACKING WITHIN THE STORMWATER PIPES, THE CONTRACTOR WILL RECTIFY THE DAMAGE WITHIN THE PIPES BY MEANS DIRECTED BY THE SUPERINTENDENT WHICH MAY INCLUDE BUT NOT BE LIMITED TO PIPE RELINING OR PIPE REPLACEMENT.



INSPECTIONS:

1. CONTRACTOR TO CONTACT ADG ENGINEERS AT LEAST 72 HOURS PRIOR TO PLACEMENT OF EACH LAYER TO ORGANISE INSPECTION. EACH LAYER IS NOT TO BE PLACED UNTIL WRITTEN CONFIRMATION PROVIDED BY ADG ENGINEERS.

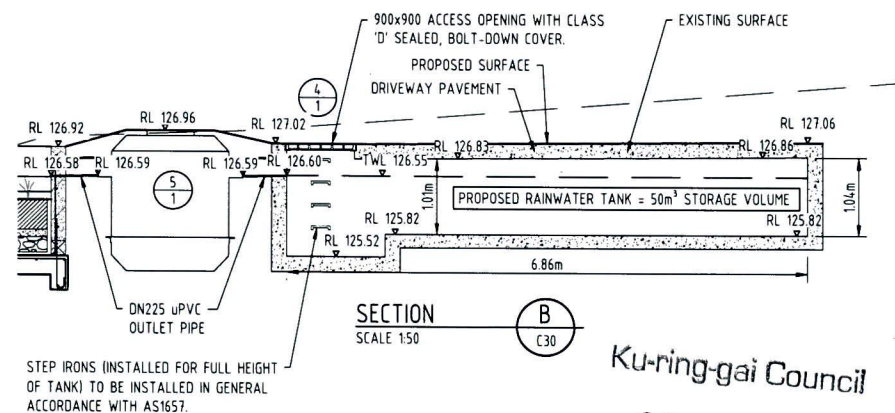
FILTRATION LAYER:

1. CONTRACTOR TO PROVIDE ADG ENGINEERS WITH TEST INFORMATION OF PROPOSED FILTER MEDIA TO CONFIRM THE BELOW PARAMETERS.
2. MATERIAL TO CONSIST OF SANDY LOAM OR EQUIVALENT MATERIAL.
3. MATERIAL TO HAVE 5% - 10% ORGANIC CONTENT IN ACCORDANCE WITH AS1289.4.1
4. MATERIAL TO HAVE AN AVERAGE PARTICLE SIZE (D50) OF 0.45mm.
5. SATURATED HYDRAULIC CONDUCTIVITY TO BE BETWEEN 100-300mm/HR DETERMINED IN ACCORDANCE WITH AS 4419-1998 APPENDIX H SOIL PERMEABILITY.
6. pH BETWEEN 6 AND 7.
7. TN CONTENT OF FILTER MEDIA TO BE <400mg/kg
8. ORTHOPHOSPHATE CONTENT TO BE <40mg/kg

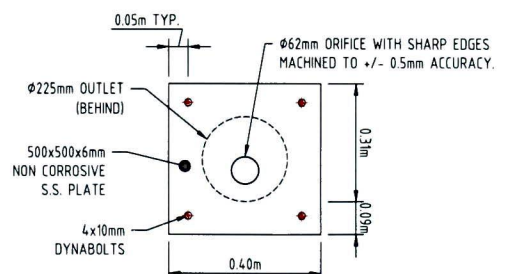
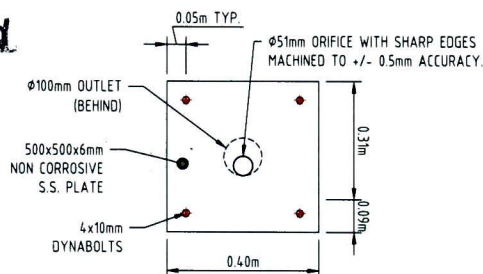
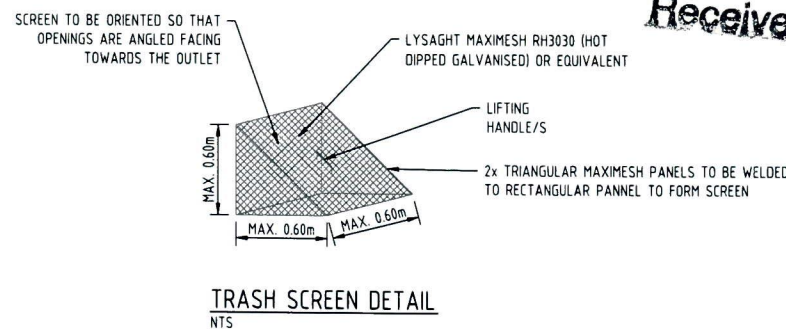
1. CONTRACTOR TO PROVIDE ADG ENGINEERS WITH TEST INFORMATION OF PROPOSED FILTER MEDIA TO CONFIRM THE BELOW PARAMETERS.
2. MATERIAL TO CONSIST OF 2-5mm GRAVEL.

1. 150Ø SLOTTED RIGID uPVC OR SIMILAR TO AS 2439.1 OR APPROVED EQUIVALENT
MIN 0.5% GRADE @ 1.5m CTRS

1. IF BIO-RETENTION TO BE INSTALLED PRIOR TO STABILISATION OF UPSTREAM CATCHMENT, COVER FILTRATION LAYER IN GEOTEXTILE, 50mm TOPSOIL AND TURF STRIPS PERPENDICULAR TO FLOW.
2. GEOTEXTILE TO BE REMOVED ONLY WHEN UPSTREAM SEDIMENT LOADS ARE CONTROLLED.
3. BASIN TO BE PLANTED AS PER THE APPROVED LANDSCAPE PLANS

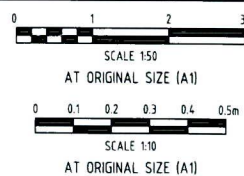


1. THE BIO-RETENTION EXTENDED RETENTION DEPTHS AND ASSOCIATED VOLUME HAS BEEN EXCLUDED WHEN CALCULATING AVAILABLE DETENTION STORAGE VOLUME WITHIN THE BASIN.
2. BASIN DESIGN ALLOWS FOR 300mm FREEBOARD FROM Q100 WATER LEVEL TO CREST OF BASIN.
3. ALL BATTERS INTERNAL TO BASIN ARE DESIGNED WITH A MAXIMUM 1V:6H SLOPE U.N.O.
4. CONTRACTOR TO ENSURE THE ENTIRE EMBANKMENT AREA IS STRIPPED OF ALL ORGANIC MATTER AND SOFT CLAYS TO A MINIMUM OF 300mm BELOW EXISTING SURFACE.
5. THE STRIPPED SURFACE IS TO BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER.
6. CONTRACTOR TO KEY EMBANKMENT IN TO EXISTING SURFACE BY MINIMUM DEPTH AS DIRECTED BY THE GEOTECHNICAL ENGINEER ON SITE.
7. RESILIENT PLANTING TO BE PROVIDED TO COPE WITH 1.0m INUNDATION FOR PERIODS OF UP TO 1 HOUR IN DURATION (Q20 EVENT).
8. IN ADDITION TO CONVEYING MAJOR FLOWS, THE WEIR IS PROVIDED AS AN EMERGENCY OVERTFLOW IN THE EVENT THE RISER PIT AND/OR OUTLET CULVERTS BECOME BLOCKED, AND WILL TAKE THE ENTIRE Q100 FLOW.



ISSUED FOR
APPROVAL

C	19.09.19	ISSUED FOR \$4.55 APPROVAL - UPDATED BIO BASIN DETAIL	SF	JH	
B	05.07.19	ISSUED FOR \$4.55 APPROVAL - AMENDED OSD SECTION	SF	JH	
A	20.03.19	ISSUED FOR APPROVAL	JMB	JH	
Rev	Date	Description	By	Chk	



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BRISBANE / DARWIN / GOLD COAST / MELBOURNE

Client	GROWTHBUILT
Project Name	PYMBLE AVENUE 2-8 PYMBLE AVENUE AND 2-4 EVERTON ST, PYMBLE, NSW, 2073

Discipline CIVIL		Status APPROVAL
Designed By MRB	Checked By JH	Approved By JH
Project No. 21092	Drawn By JMB	Scale at: A1 AS SHOWN

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Title

ROADWORKS AND DRAINAGE MANAGEMENT DETAILS

Drawing No.
ADG-CV-21092_SKC31

C