GENERAL

G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL & OTHER WORKING DRAWINGS, SPECIFICATIONS & WITH SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT

G2. ALL WORKMANSHIP & MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE RELEVANT AUSTRALIAN STANDARDS, THE BUILDING CODE OF AUSTRALIA AND ANY OTHER APPLICABLE AUTHORITY REQUIREMENTS.

G3. ANY CONFLICT BETWEEN THESE NOTES, THE SPECIFICATION, THE DRAWINGS OR ANY OTHER RELEVANT DOCUMENTS SHALL BE REFERRED TO HAMEC DESIGN STUDIO FOR DECISION PRIOR TO PROCEEDING WITH THE WORK

G4. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS. FOR SETTING OUT DIMENSIONS & LEVELS REFER TO ARCHITECTURAL DRAWINGS.

G5. THE BUILDER SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL SHORING TO MAINTAIN THE STABILITY & INTEGRITY OF **EXCAVATIONS & ADJACENT STRUCTURES.**

G6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL SERVICES PRIOR TO COMMENCEMENT OF NAY EARTHWORKS.

G7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

O Box 3108 Bankstown Squar

mail: info@h

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STORMWATER

SW1. ALL LEVELS ARE TO A.H.D. UNO.

SW2. THE STORMWATER SYSTEM IS DESIGNED TO COMPLY WITH COUNCIL'S DESIGN CRITERIA AND TO APPROXIMATELY MAINTAIN EXISTING FLOW PATTERNS

SW3. OVERLAND FLOW PATHS ARE PRESERVED.

SW4. EXISTING DRAINAGE AND LEVELS ARE BASED ON SURVEY PROVIDED & SHOULD BE ASSUMED TO BE APPROXIMATE. ALLOW TO CONFIRM ALL RELEVANT DETAILS BEFORE PROCEEDING WITH AFFECTED AREAS.

SW5. STORMWATER DESIGN AND WORKS TO COMPLY WITH COUNCIL'S DCP, DESIGN CRITERIA AND AS3500.

SW6. ALL PITS TO BE PRECAST CONCRETE OR F.R..C. UNO.

SW7. DOWNPIPE LOCATIONS SHOULD BE CONFIRMED WITH ARCHITECTURAL PLANS UNO.

SW8. GRADE LOCAL SURFACES INTO PITS TO ENSURE COLLECTION OF WATER & THAT THERE ARE NO AREAS OF PONDING, TYPICAL.

SW9. GRATED TRENCHES AND SILT ARRESTOR PITS TO BE INSPECTED AND CLEANED AFTER PERIODS OF HEAVY RAINFALL.

SW10. TREE ROOTS TO BE AVOIDED DURING PLACEMENT OF DRAINAGE SYSTEM.

SW11. ALL PIPES TO BE Ø100 UPVC UNO.

SW12. ALL PIPES TO HAVE 100MIN. COVER IN LANDSCAPED AREAS AND 600 MIN. COVER IN TRAFFICABLE AREAS.

SW13. ALL INLET AND OUTLET PIPES FROM PITS TO BE CONNECTED AT THE HIGHEST POSSIBLE INVERT LEVEL WHILST KEEPING 1% MIN. GRADE UNO.

SW14. FINISHED SURFACES TO BE GRADED AWAY FROM THE DWELLING AND TOWARD THE PITS.

SW15. GRATED TRENCHES TO BE 1% MIN. GRADE THROUGHOUT TO OUTLET PIPE.

SW16. FINISHED CROSSING AND DRIVEWAY LEVELS ARE BASED ON SURFACE LEVELS OF THE EXISTING LAYBACK AND STREET BOUNDABY | EVELS

SW17. BEFORE COMMENCING CONSTRUCTION OF THE CROSSING AND DRIVEWAY, COUNCIL'S DESIGNED STREET BOUNDARY LEVELS MUST BE OBTAINED AND USED FOR CONSTRUCTION.

SOIL AND WATER MANAGEMENT NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSPECTED AND MAITAINED DAILY BY SITE MANAGER

2. MINIMISE DISTURBED AREAS

3. ALL STOCKPILES TO BE CLEAR FROM DRAINS, GUTTERS AND FOOTPATHS.

4. DRAINAGE TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE

5. ROADS AND FOOTPATHS TO BE SWEPT DAILY AND KEPT CLEAN AT ALL TIMES

THE REQUIREMENTS OF THE CLEAN WATERS ACT

SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL,

SHALL BE IMPLEMENTED TO THE STANDARDS OF THE SOIL CONSERVATION OF NSW 2. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.

3. SEDIMENT TRAPS SHALL BE CONSTRUCTED AROUND ALL INLET PITS, CONSISTING OF 300mm WIDE X 300mm DEEP TRENCH.

4. ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM OF 60 % FULL OF SOIL MATERIALS, INCLUDING THE MAINTENANCE PERIOD.

R.D

DRAWING TITLE: Stormwater Notes-01

BY.

5. ALL DISTURBED AREAS SHALL BE REVEGITATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED. 6. SOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREA WHERE WATER MAY CONCENTRATE

7. FILTER SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR APPROVED EQUIVALENT BETWEEN POST AT 3.0m CENTRES, FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE

SCALE:



31/10/19

2



- 6. INSTALL TEMPORARY SEDIMENT BARRIERS TO ALL INLET PITS LIKELY TO COLLECT SILT LADDEN WATER, TO COUNCILS'S REQUIREMENTS.
- 7. NOT WITHSTANDING DETAILS SHOWN, IT IS THE SITE MANAGERS SOLE RESPONSIBILITY TO ENSURE THAT ALL SITE ACTIVITIES COMPLY WITH

TAKES DRIVEN		
ROUND 400mm	<u>3.0m M</u> MISm MIN.	
X	CONSTRUCTION SITE	
STURBED AREA	RUN OFF DIRECTED TO SEDIMENT TRAP	
	200mm OF COARSE BLUE METAL - BOUNDANY AGGREGATE (35-50mm) ROLLED IN POSITION WITH	
TILE FABRIC	PASSES OF AN EXCAVATOR.	
<u>.IL</u>	CONSTRUCTION ENTRY/EXIT DETAIL	
SITE ADDRES	S: 31 Calvert Parade, Newport NSW 2106	-011
LOT A	SEC: DP: 340122	19
ISSUED FOR:	DA	

REV:







	Names Decise Studie	6		CONSULTANTS:	REV	DATE	DESCRIPTION	COUNCIL AREA :	Northern Beaches Council	SITE AD	DRES
	Level 2, Suite 5, 398 Chapel Rd.	83	ENGINEERS		1	22/07/19		DRAWN BY:	E.L	LOT ,	A
	Bankstown, NSW 2200 PO Box 3108 Bankstown Squan; NSW 2200	00 886 05 100 190	AUSTRALIA Professional Engineers		2	31/10/19		DESIGNED BY:	R.D	ISSUED PROJEC	FOR: CT:
няте	Email: info@hamec.com.au WWW.HAMEC.COM.AU	(13	MEMBER					DRAWING TITLE:	Stormwater Drainage Plan	SCALE:	1:150

PROJECT 19-01 NO :

DATE: 31/10/19 **REV:** R2 **SHEET NO.** SW-01

Addition & Alteration

Hamec Design Studio Level 2, Suite 5, 338 Chapel Rd. Braikstown, NSW 2200 Pro Bex 3108 Bankstown Spare, NSW 2200 Email: info@hamec.com.au www.HAMEC.COM.AU	CONSULTANTS:	REV DATE 1 22/07/19 2 31/10/19	DESCRIPTION	COUNCIL AREA : DRAWN BY: DESIGNED BY: DRAWING TITLE	Northern Beaches Council E.L R.D OSD TANK DETAILS	SITE AD LOT ISSUED PROJEC

OSD	TANK	DETAIL
1:30		

				HEAVY D	UTY GRATES TO	
				MANUFA	CTURER'S SPECIFI	CATIONS
τ.Ψ.L.3	35.70@100 YRS_AF					Rh T
`, R	RL 36.00		RL 36.00			O
	RI 35 70					
		150Ø UPVC NON RETURN VALVE ——				
						1
	DI 24 57	MIN. 1% FALL				
	RL 34.37	► RL 34.57		RL 34.52		
				4		

50mm WEEP HOLES -







- 3 FOR TANKS GREATER THAN 10,000 LITRES COUNCIL DEVELOPMENT CONSENT IS GENERALLY REQUIRED.
- 4 FOR TANKS MORE THAN 10,000 LITRES APPROVAL IS REQUIRED FOR BUILDING OVER SEWERS.
- 5 SYDNEY WATER'S APPROVAL IS REQUIRED FOR ANY TOP UP FROM DRINKING WATER SUPPLY, REGARDLESS OF TANK SIZE. NO DIRECT CONNECTION IS ALLOWED BETWEEN THE DRINKING WATER SUPPLY AND THE RAINWATER TANK SUPPLY
- 6 RAINWATER PIPEWORK IS SHOWN ON THE DIAGRAM AS SUPPLYING INTERNAL AND EXTERNAL RAINWATER USES. CUSTOMERS MAY WANT ONE OR THE OTHER.
- 7 ANY DESIGNED ACCESS LID INTO RAINWATER RE-USE TANK IS TO HAVE A LOCKABLE LID. IF THE LID IS DESIGNED TO BE ACCESSED BY A MAINTENANCE PERSON. IT MUST BE AT LEAST 600 mm x 900 mm IN SIZE

DUAL DRINKING WATER & RAINWATER SUPPLY DIAGRAM



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PUMP

GARDEN TAP

DOWN PIPES

BALL VALVE RIGHT ANGLE TYPE

DRINKING WATER SUPPLY PIPES

RAINWATER SUPPLY PIPES

DUAL CHECK VALVE

DUAL CHECK VALVE

DUAL CHECK VALVE

DUAL CHECK VALVE

TESTABLE DOUBLE CHECK VALVE

TESTABLE DOUBLE CHECK VALVE

TESTABLE DOUBLE CHECK VALVE

(COMBINED WITH METER)

20

25

≥ 32

20

25

≥ 32

BELOW GROUND

BALL VALVE

BALL VALVE

BALL VALVE

BALL VALVE

BALL VALVE

BALL VALVE





Hamec Design Studio Level 2, Suite 5, 398 Chapel Rd Barkstown, NSW 2200 Pro Box 3108 Barkstown Square, NSW 2200 Ereduit ide/Therese com au	CONSULTANTS:	1 2	DATE 22/07/19 31/10/19	DESCRIPTION	COUNCIL AREA : DRAWN BY: DESIGNED BY:	Northern Beaches Council E.L R.D	SITE A LOT ISSUED PROJE
					DRAWING TITLE:	Construction Management Plan	SCALE







