

Do not scale

<u>NOTES</u>

- 1. FOR LEGEND REFER TO I
- 2. FOR GENERAL NOTES RE
- FOR SOIL AND MANAGEM C-DR-201.
- 4. PROPOSED EARTHWORK BOUNDARY.
- 5. PER CAMDEN COUNCIL WITHIN THE DRAINAGE R BOUNDARY.

LEGEND



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ROCK CHECK DAM

		1
S	Т	U
	. NO. C-DR-000.	
S REFER TO D	DRAWING No. C-DR-00	01.
GEMENT DET	AILS REFER TO DRAV	VING No.
ORKS (CUT AI	ND FILL) TO EXTEND	TO PROJECT
	,	
CIL ADVICE, LI	MITS OF 100YR ARI F	
JE RESERVE I	DO NOT IMPACT THE	FROJECT
EXISTING ST	ORMWATER	
SEDIMENT F	ENCE.	
REFER TO D	RAWING No. C-DR-20	1
PROPOSED	STORMWATER	
DIVERSION E	BANK AND CHANNEL	
TEMPORARY REFER TO D	(CONSTRUCTION SH RAWING No. C-DR-20	IAKER GRID. 1
GRAVEL KEF REFER TO D	RB INLE F SEDIMENT RAWING No. C-DR-20	IRAPS. 1





Scale 1:25

Do not scale

S		Т		U
D DRAW	'ING. No. C-	DR-000.		
REFER ⁻	TO DRAWIN	IG No. C-DF	R-001.	
STORM	WATER MAI	INS ONLY.		
IDEN CO THE PF	OUNCIL, KE ROJECT BO	NNY CREE UNDARY.	K 1% AEP	FLOOD
OD SHA	LL BE INST	ALLED AT I	EVERY PRO	OPOSED
Rainw. IC Eng	ATER TANK INEER'S DE	(. LOCATIO TAILS.	N AND DES	SIGN

Ø450 STORMWATER DRAINAGE PIPELINE STANDARD GRATED KERB INLET PIT TO

STANDARD GRATED SURFACE INLET PIT

PROPOSED SPOT LEVELS

PROPOSED CONTOURS - MAJOR INTERVAL 0.5m

PROPOSED CONTOURS - MINOR INTERVAL 0.1m

DIRECTION OF FALL

RETAINING WALL, PER STRUCTURAL ENGINEERING DESIGN





<u>NOTES</u>

- C-DR-300.

		STORMFI	LTER DESI	GN TABLE
 CONVEYANCE CA THE STANDARD C SUBMITTAL DRAW ALL PARTS PROVID 	PACITY IS RATED AT 80L ONFIGURATION IS SHOV ING(S). DED AND INTERNAL ASS	./S. VN. ACTUAL CO SEMBLY BY STC	ONFIGURATION ORMWATER360	OF THE SPECIFIED STF AUSTRALIA UNLESS OT
CARTRIDGE HEIGHT		69	90	
SYSTEM HYDRAULIC DF	OP (H - REQ'D. MIN.)	93	30	
TREATMENT BY MEDIA	SURFACE AREA L/S/m2	1.4	0.7	
CARTRIDGE FLOW RATE	(L/s)	1.42	0.71]



STANDARD ENVIROPOD CONFIGURATION N.T.S

STORMFILTER CARTRIDGE FILTRATION UNIT



- FALSE FLOOR

----- PRECAST PIT BASE

1. FOR LEGEND REFER TO DRAWING No. C-DR-000.

2. FOR GENERAL NOTES REFER TO DRAWING No. C-DR-001.

3. FOR STORMWATER AND GRADING PLAN REFER TO DRAWING No.

TRUCTURE WILL BE SHOWN ON THERWISE NOTED.

FINISHED SURFACE LEVEL

 \bigtriangledown

OUTLET PIPE

P0 17/11/2017 DJ LH SL
 ISSUED FOR 80% DESIGN REVIEW

 Rev
 Date
 By
 Chkd
 Appd



GREENBOX

+61 2 8069 8930

LEVEL 3 40 KING STREET SYDNEY, NSW 2000 AUSTRALIA GREENBOX ARCHITECTURE PTY LTD ABN: 79 139 779 098 ISO 9001 CERTIFIED QUALITY SYSTEM

Client



Project Title SYD56 42 Bluett Drive, Smeaton Grange

Drawing Title STORMWATER DETAILS SHEET 1 OF 2

Scale at A0 AS SHOWN Role

Suitability

Arup Job No

254017 Name C-DR-301 Rev P0



NOTES

- 1. FOR LEGEND REFER TO DRAWING No. C-DR-000.
- 2. FOR GENERAL NOTES REFER TO DRAWING No. C-DR-001.
- 3. FOR STORMWATER AN C-DR-300.

4. ESK IS AN ABOVE AND CLIENT BUT NOT REQU STANDARDS.

ESK DESIGN NOTES THE ESK IS A PASSIVE HIGH EFFICIENCY COALESCING SEPARATOR CONTAMINATED STORMWATER RUNOFF AND HAS A BUILT-IN SHUT AND STORAGE CAPACITY EXCESS EXITING THE DEVICE. THE DEVIC WHERE SPECIFIC EFFLUENT TARGETS ARE SPECIFIED, OR FOR SIT AND GREASE IS THE GREATEST CONCERN E.G. FUEL STATION, FUE SERVICING WORKSHOPS, ETC. IT IS TYPICALLY SIZED TO REMOVE (MICRONS AND ACHIEVE AN EFFLUENT CONCENTRATION OF 5MG/L ESK MODEL $\langle A \rangle$ TREATMENT FLOW RATE (L/s) MINIMUM OIL STORAGE (L) (Voil) CHAMBER DIAMETER (mm) INTERNAL HEIGHT (mm) $\langle c \rangle$ MINIMUM DEPTH TO INVERT $\langle \Pi \rangle$ RECOMMENDED INLET/OUTLET PIP SIZE DEPTH BETWEEN OUTLET IL AND FLOOR

GENERAL NOTES:

- 1. STORMWATER360 TO PROVIDE ALL MATERIAL UNLESS NOTED OTHERWISE. 2. FOR SITE SPECIFIC DRAWING WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR SW360
- STORMWATER CONSULTANT VIA www.stormwater360.com.au, or 1300 354 722. 3. T.W.L = TREATMENT WATER LEVEL
- 4. PRECAST STRUCTURE TO BE CONSTRUCTED BY STORMWATER360 AUSTRALIA IN ACCORDANCE WITH AS3600. 5. STRUCTURE AND ACCESS COVERS DESIGNED TO MEET AUSTROADS T44 LOAD RATING WITH 0.0m TO 2.0M FILL MAXIMUM (CLASS D).
- 6. THE STRUCTURE THICKNESS MEASUREMENTS SHOWN ARE FOR REPRESENTATIONAL PURPOSES ONLY. 7. DEVICE IS TO CONTAIN A COALESCENCE SEPARATION COLUMN TOGETHER WITH AUTOMATIC OUTFLOW CLOSURE VALVE
- THAT ACTIVATES WHEN THE LIMIT OF OIL STORED IN THE SEPARATOR IS REACHED. 8. ESK SYSTEM IS DESIGNED AS A CLASS1 COALESCENCE SEPARATOR AS PER BNES858-1:2002.

INSTALLATION NOTES:

- A. SIZE AND CLASS OF PIPE OR SQUARE KNOCKOUT SIZE TO BE SPECIFIED ON DRAWING BY CLIENT / CONTRACTOR. B. ADDITIONAL RISERS TO BE FORMED ON SITE BY CONTRACTOR (IF REQUIRED)
- C. ANY BACKFILL DEPTH, SUB-BASE, AND OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS SHALL BE SPECIFIED BY THE ENGINEER OF RECORD.
- D. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STRUCTURE (LIFTING CLUTCHES PROVIDED). E. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- F. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPES. G. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT DEVICE FROM CONSTRUCTION-RELATED EROSION RUNOFF.

ND GRADING PLAN REFER TO DRAWING No.
D BEYOND MEASURE IMPLEMENTED BY THE UIRED TO MEET COUNCIL MINIMUM WSUD

THAT REMOVES FREE OIL FROM OFF VALVE TO PREVENT SPILLS E IS IDEALLY SUITED FOR SITES ES WHERE REMOVAL OF OIL L DISTRIBUTION STATIONS. CAR OIL DROPLETS AS SMALL AS 10 OR LESS.
ESK 100
100

100	
3050	
Ø2250	
2200	
550	
Ø300	
1700	



GREENBOX

+61 2 8069 8930

LEVEL 3 40 KING STREET SYDNEY, NSW 2000 AUSTRALIA GREENBOX ARCHITECTURE PTY LTD ABN: 79 139 779 098 ISO 9001 CERTIFIED QUALITY SYSTEM



Project Title SYD56 42 Bluett Drive, Smeaton Grange

Drawing Title STORMWATER DETAILS SHEET 2 OF 2

Scale at A0 1:20 l ^{Role} Civil

Suitability Arup Job No 254017

Name C-DR-302 Rev P0



Do not scale

<u>NOTES</u>

- 1. FOR LEGEND REFER TO I
- 2. FOR GENERAL NOTES RE
- 3. FOR STORMWATER AND C C-DR-300.
- PROPOSED EARTHWORK BOUNDARY.

5. PER CAMDEN COUNCIL ADVICE, LIMITS OF 100YR ARI FLOODING WITHIN THE DRAINAGE RESERVE DO NOT IMPACT THE PROJECT BOUNDARY.

DRAWING. No. C-DR-000.
EFER TO DRAWING No. C-DR-001.
GRADING PLAN REFER TO DRAWING No.
KS (CUT AND FILL) TO EXTEND TO PROJECT





A1 Reinforced Concrete Manhole CH: 0.00 RIM: 92.20 DEPTH: 1.16 Inv Out: 91.04 / A2					
		U/S IL 91.037m 3D	A1 375 NB RCRRJ CLAS	S 2 D/S	IL 90.711m U/S
			2D LENGTH (C-C): 32.6 GRADE: 1.00% (1:100.0	26m 00)	
VERT EXAG 1:5 Datum 85.000			1.00%		
GRADE %	N		1.00 %		
SURFACE) 92.4				1 92.5
DESIGN LEVEL AT MH CL	92.20				92.31
INVERT LEVEL		91.04			90.71 90.26
CHAINAGE	00.0				32.63
		PIPE (LINE A)	LONG SECTIO	N	

Do not scale



<u>NOTES</u>



1. FOR GENERAL NOTES REFER TO DRAWING No. C-DR-001. 2. FOR PIT AND PIPE SCHEDULES REFER TO DRAWING No. C-DR-305. 3. FOR STORMWATER AND GRADING PLAN REFER TO DRAWING No. C-DR-300.



<u>NOTES</u>

- 1. FOR GENERAL NOTES REFER TO DRAWING No. C-DR-001.
- C-DR-300.

2. FOR PIT AND PIPE SCHEDULES REFER TO DRAWING No. C-DR-305. 3. FOR STORMWATER AND GRADING PLAN REFER TO DRAWING No.



PIT TABLE					
PIT NAME	PIT DETAILS	INVERT LEVEL (m)	PIT TYPE		
A1	COVER LEVEL = 92.20	91.04	900 x 900 Surface Inlet Pit		
A2	COVER LEVEL = 92.31	90.26	1,200 dia Concrete Manhole		
A3	COVER LEVEL = 92.26	89.88	1,200 dia Concrete Manhole		
A4	COVER LEVEL = 92.24	89.37	1,200 dia Concrete Manhole		
A5	COVER LEVEL = 92.17	88.96	1,200 dia Concrete Manhole		
A6	COVER LEVEL = 92.00	88.28	1200m Kerb Inlet Pit		
A7	COVER LEVEL = 91.06	87.91	1,200 dia Concrete Manhole		
A8	COVER LEVEL = 89.10	86.80	1200m Kerb Inlet Pit		
A9	COVER LEVEL = 88.54	86.26	900 x 900 Surface Inlet Pit		
B1	COVER LEVEL = 92.10	90.27	1200m Kerb Inlet Pit		
B2	COVER LEVEL = 92.05	89.91	1200m Kerb Inlet Pit		
B3	COVER LEVEL = 89.53	88.20	1200m Kerb Inlet Pit		
C1	COVER LEVEL = 90.66	87.91	900 x 900 Surface Inlet Pit		
C2	COVER LEVEL = 90.01	87.73	1200mm Kerb Inlet Pit		
D1	COVER LEVEL = 88.64	86.28	1200mm Kerb Inlet Pit		
F1	COVER LEVEL = 92.27	90.37	900 x 900 Surface Inlet Pit		
G1	COVER LEVEL = 92.18	89.99	900 x 900 Surface Inlet Pit		
H1	COVER LEVEL = 92.15	89.49	900 x 900 Surface Inlet Pit		
11	COVER LEVEL = 92.14	89.06	900 x 900 Surface Inlet Pit		

F

Do not scale

PIPE

NOTES

1. FOR GENERAL NOTES REFER 1

R

- FOR STORMWATER AND GRADI C-DR-300.
- FOR DRAINAGE LONG SECTION AND C-DR-304.

	PIPE TABLE					
PIPE NAME	SIZE (mm)	LENGTH (m)	SLOPE	INVERT LEVEL (START)	INVERT LEVEL (END)	
A1	381	32.63	1.00%	91.04	90.71	
A2	457	35.40	1.00%	90.26	89.91	
A3	533	47.84	1.00%	89.88	89.40	
A4	610	37.05	1.00%	89.37	89.00	
A5	686	55.75	1.13%	88.96	88.33	
A6	686	25.96	1.28%	88.28	87.94	
A7	686	29.96	3.64%	87.91	86.83	
A8	686	9.32	5.21%	86.80	86.31	
A9	686	2.63	2.50%	86.26	86.19	
B1	375	32.64	1.00%	90.27	89.94	
B2	375	30.92	4.74%	89.91	88.44	
B3	375	20.39	1.00%	88.20	88.00	
C1	225	12.92	1.00%	87.91	87.78	
C2	225	11.71	1.00%	87.73	87.62	
F1	300	4.21	1.00%	90.37	90.33	
F2	305	2.83	1.00%	90.30	90.27	
G1	300	4.22	1.00%	89.99	89.95	
G2	300	2.83	1.00%	89.92	89.89	
H1	300	4.86	1.00%	89.49	89.44	
H2	300	2.83	1.00%	89.41	89.38	
1	300	2.50	1.00%	89.06	89.03	
12	300	2.64	1.00%	89.00	88.97	

S	Т	U		
EFER TO DRAWI	NG No. C-DR-001.			
GRADING PLANS REFER TO DRAWING No.				
ECTIONS REFER	R TO DRAWING No. C-	DR-303		

