

From: Paul Cann
Sent: 31 August 2017 12:45
To: Planning.Responses
Subject: RE: Planning Consultation on A/161/17/DOC

Based upon the details contained within the DOC application and the documents enclosed with this email, I can now recommend discharge of condition no.4 (surface water drainage).

Regards

Paul Cann
Senior Engineer (Drainage & Coastal)

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Save the environment - think before you print.

From: planning.responses@arun.gov.uk [<mailto:planning.responses@arun.gov.uk>]
Sent: 31 August 2017 12:04
To: Paul Cann
Subject: Planning Consultation on A/161/17/DOC

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

APPLICATION A/161/17/DOC

NO:

Registered: 25-AUG-17

Site Address: Land North of Roundstone Bypass (A259) Angmering
Description of Works: Application for approval of details reserved by condition imposed on planning reference A/162/15/PI relating to condition 4 - Drainage Strategy

The Council have received the above application to discharge conditions. I shall be pleased to receive any observations you may wish to make in respect of those conditions relating to your field of expertise.

[Click here to view the Discharge of Condition application](#)

[Click here to view conditions on original application - click on decision tab](#)

Should you have any comments to make, these should be sent by replying to this email by 14th September 2017.

www.arun.gov.uk/planning

Please be aware that any comments you may make will be available on our website so please do not insert personal details or signatures on your reply.

In the absence of a reply within the period stated, I shall assume that you have no observations to make.

The officer dealing with this application is Mrs A Gardner who can be contacted on telephone number 01903 737529.

Thanking you in anticipation

Planning Case Officer
Arun District Council

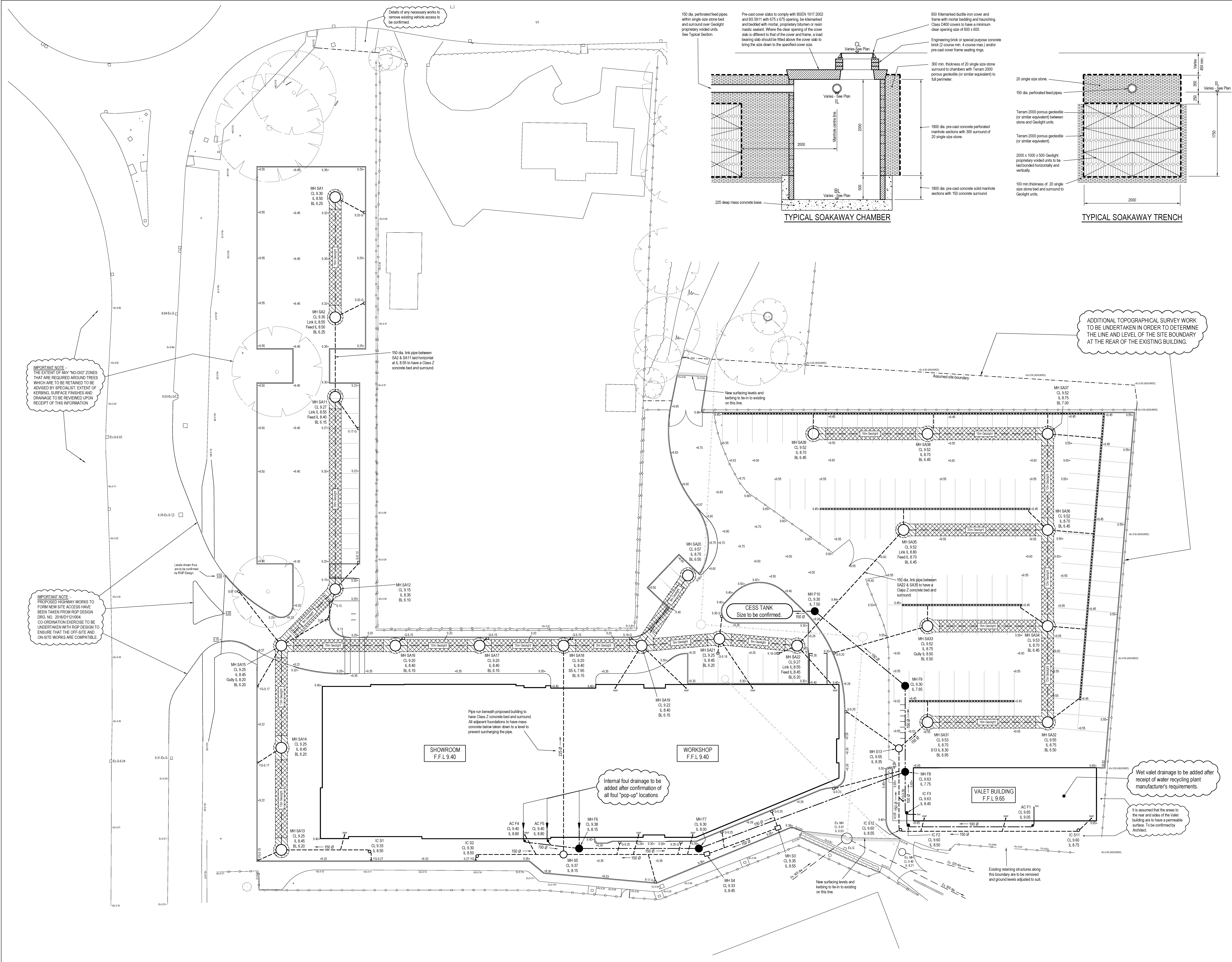
post_con_email

Trench Beddings

Depths of cover between which clay pipes conforming to BS EN 295 can be laid in any width of trench.

DN	Min. Crushing Strength		Bedding Class	Bedding Factor	Depth of Cover to Crown of Pipe			
	a	b			Main Traffic Roads		Fields and Gardens	
					a	b	a	b
100	34	40	D or N	1.1	0.4 – 7.1	0.4 – 8.4	0.4 – 7.3	0.4 – 8.7
			F	1.9	0.4 – 10.0+	0.4 – 10.0+	0.4 – 10.0+	0.4 – 10.0+
			B or S	2.5	0.4 – 10.0+	0.4 – 10.0+	0.4 – 10.0+	0.4 – 10.0+
150	34	40	D or N	1.1	0.6 – 4.5	0.6 – 5.6	0.6 – 5.0	0.6 – 5.9
			F	1.9	0.6 – 8.5	0.6 – 10.0+	0.6 – 8.7	0.6 – 10.0+
			B or S	2.5	0.6 – 10.0+	0.6 – 10.0+	0.6 – 10.0+	0.6 – 10.0+
225	36	45	D or N	1.1	0.9 – 2.6	0.9 – 3.9	0.6 – 3.5	0.6 – 4.4
			F	1.9	0.6 – 5.9	0.6 – 7.6	0.6 – 6.2	0.6 – 7.8
			B or S	2.5	0.6 – 8.0	0.6 – 10.0+	0.6 – 8.2	0.6 – 10.0+
300	48	72	D or N	1.1	0.8 – 2.7	0.6 – 3.5	0.6 – 3.5	0.6 – 5.4
			F	1.9	0.6 – 6.0	0.6 – 9.4	0.6 – 6.3	0.6 – 9.5
			B or S	2.5	0.6 – 8.1	0.6 – 10.0+	0.6 – 8.3	0.6 – 10.0+
375	45	60	D or N	1.1	–	0.8 – 3.0	0.6 – 2.7	0.6 – 3.8
			F	1.9	0.6 – 4.5	0.6 – 6.4	0.6 – 5.0	0.6 – 6.7
			B or S	2.5	0.6 – 6.3	0.6 – 8.7	0.6 – 6.6	0.6 – 8.8
400	64	80	D or N	1.1	0.8 – 2.9	0.6 – 4.2	0.6 – 3.7	0.6 – 4.7
			F	1.9	0.6 – 6.3	0.6 – 8.0	0.6 – 6.6	0.6 – 8.2
			B or S	2.5	0.6 – 8.5	0.6 – 10.0+	0.6 – 8.7	0.6 – 10.0+
450	54	72	D or N	1.1	–	0.8 – 3.0	0.6 – 2.7	0.6 – 3.8
			F	1.9	0.6 – 4.5	0.6 – 6.5	0.6 – 5.0	0.6 – 6.7
			B or S	2.5	0.6 – 6.3	0.6 – 8.7	0.6 – 6.6	0.6 – 8.9
500	60	80	D or N	1.1	–	0.8 – 3.0	0.6 – 2.7	0.6 – 3.8
			F	1.9	0.6 – 4.5	0.6 – 6.4	0.6 – 5.0	0.6 – 6.7
			B or S	2.5	0.6 – 6.3	0.6 – 8.7	0.6 – 6.6	0.6 – 8.8

Other crushing strengths may be available. For further details consult manufacturers' sales department.



INFORMATION WITHIN THIS DRAWING IS NOT NECESSARILY PRODUCED TO SCALE. ALWAYS USE FIGURED DIMENSIONS AND CO-ORDINATES - IF IN DOUBT, ASK.

NOTES

- This drawing to be read in conjunction with Eastwood & Partners' drawing number 40923/002.
- All pipes shall be either:-
 - A - Verified clay to BS EN 255 with a minimum crushing strength as follows:-
 - 150 dia - 40 kN/m
 - 225 dia - 45 kN/m
 - 300 dia - 72 kN/m
 - OR
 - B - Class H concrete to BS 5911
 - OR
 - C - PVC to have BS1 kitemark status (certified to WS 4-35-01) Wavin or similar approved. Maximum pipe length to be 3m.
- All pipes are to be laid soffit to soffit at manholes unless noted otherwise.
- Pipes entering manholes and road gullies shall have a flexible joint within 600 of the inside of the manhole or gully joining with a short Rocker pipe.
- All pipes to be 100 dia unless noted otherwise.
- All works and materials to be in accordance with "Sewers for Adoption" (6th edition), bedded with a Class S granular bed and surround as a minimum requirement. Pipes within highways with cover less than 1200 to have a Class Z concrete bed and surround. Pipes within paved areas with cover less than 600 to have a Class Z concrete bed and surround. Pipes within landscaped areas with cover less than 300 to have a Class Z concrete bed and surround.
- All trenches in roads and paved areas shall be backfilled with Type 1 DOT granular sub-base material.
- All cover levels are indicative only. Covers to be set to suit camber/gradient of existing and proposed surfacings.
- The invert levels at the proposed points of connection to existing drains shall be checked before any new drains are constructed. Any variation to the levels shown on the drawing shall be notified to Eastwood & Partners.

LEGEND

- Ex. surface water drainage
- Surface water drainage abandoned
- Surface water drainage
- Foul drainage
- Soakaway system consisting of 1800 dia. all trap soakaway chambers and 2000 wide soakaway trenches - see Typical Details.
- ACO M1000 drainage channel with 150 Ø roddable sump outlets (or 100 Ø and outlets where indicated) and load Class C250 covers.
- Road gully with 150 dia. roddable outlet.
- Yard gully with 100 dia. roddable outlet.
- Trapped gully with 100 dia. roddable outlet.
- IC 450 min. dia. Polypropylene inspection chamber.
- AC 300 min. dia. Polypropylene access chamber (600 max. depth).

IMPORTANT NOTES:-

- Foul drainage systems to be reviewed after confirmation of all proposed foul "pop-up" locations.
- Roof rainwater branches to main runs to be reviewed after confirmation of all rainwater down pipe locations.

REV	DESCRIPTION	SIG	CHK	DATE
G	Soakaway link pipes amended to 150 dia. and Class Z concrete bed and surround specified. Ex. surface water drain crossing the site to be abandoned.	MW	SJE	31.08.17
F	Foul and surface water systems amended to remove manholes from housing access for ease of construction.	MW	SJE	30.08.17
E	Link pipes between soakaway systems added. Protection to pipe SS - SA18 below building added. Assumed RWP and branch connections indicated.	MW	SJE	25.08.17
D	Soakaways amended following on site percolation test.	MW	SJE	22.08.17
C	Tender Issue.	MW	SJE	28.04.17
B	Foul drainage amended to suit fully recycling car wash.	MW	SJE	20.04.17
A	First Issue.			

CADDYNS

AUDI WORTHING

EXTERNAL DRAINAGE LAYOUT

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SCALE WHEN PLOTTED AT A2
1:200 1:25

DRAWING STATUS
FOR APPROVAL

DRAWN	CHECKED	DATE	DRAWING NUMBER	REV
MW	SJE	11-04-17	40923/061	G