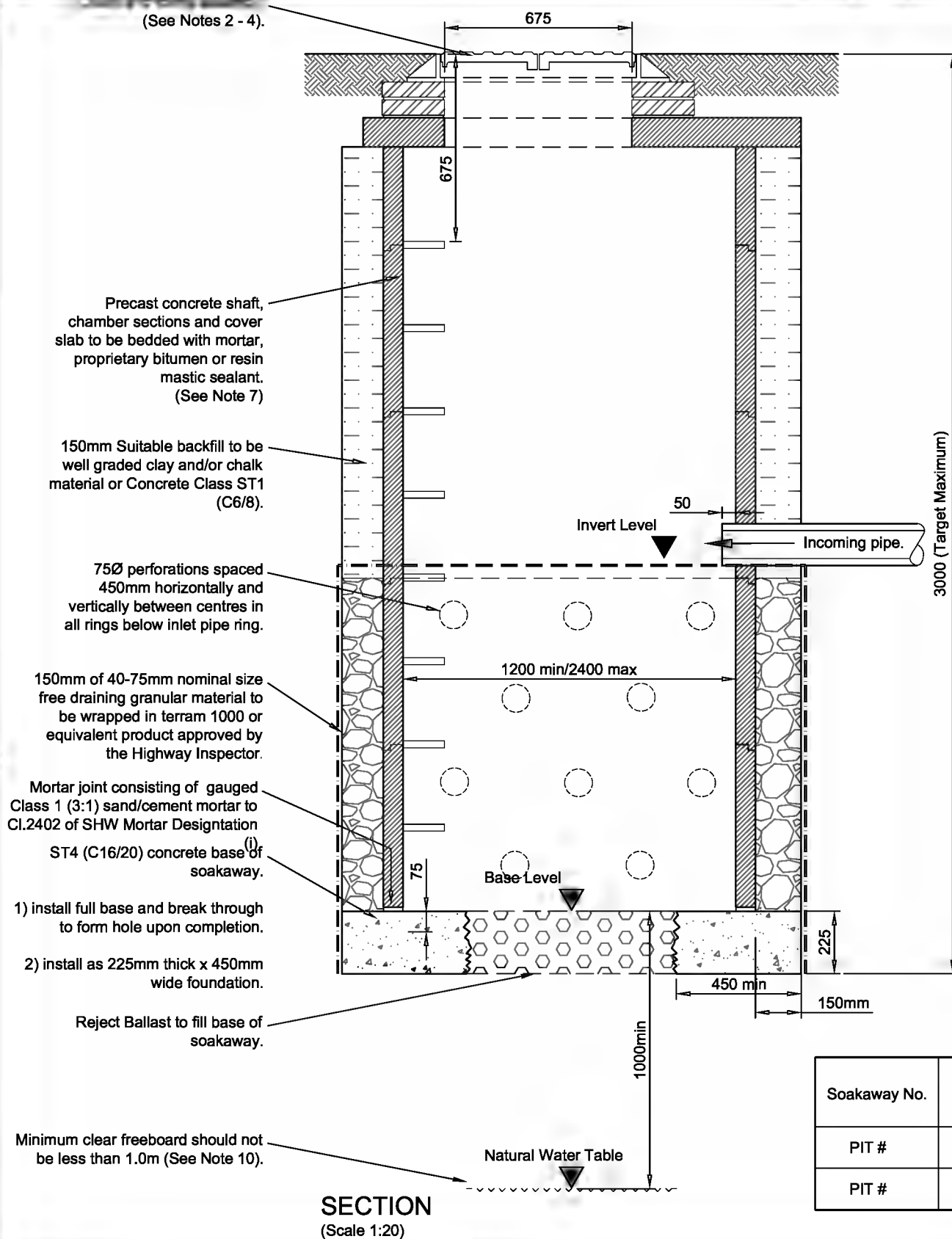
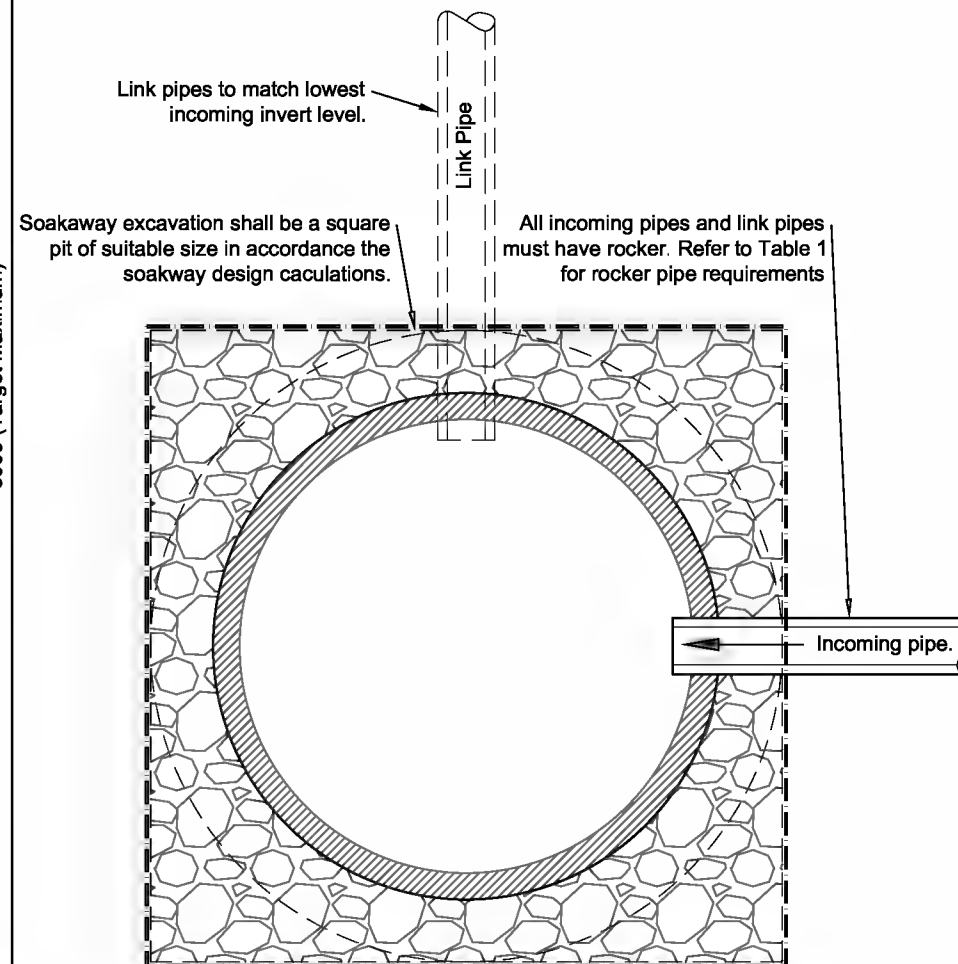




NOMINAL DIAMETER	ROCKER PIPE LENGTH
150 - 600mm	0.6m
>600 - 750mm	1.0m
>750mm	1.25m

TABLE 1



Example Soakaway Schedule

Soakaway No.	Catchment Area (m2)	Soakaway Cover Level (m)	Soakaway Base Level (m)	Soakaway Ring Dia (m)	Pit Size (m)	Incoming Invert (m)	Effective Depth (m)	Total Depth (m)
PIT #	###	###	###	Type # ###Ø	###	###	###	###
PIT #	###	###	###	Type # ###Ø	###	###	###	###

ALL LEVELS SHOULD BE RELATED TO ORDNANCE SURVEY DATUM.

NOTES

- Do not scale from this drawing.
- Cover Grade shall be minimum D400 unless otherwise agreed with the Highway Inspector. 675mm clear opening.
- Manhole cover and frames shall comply with the relevant provisions of BS EN 124, BS 7903 and Highway Agency Guidance Document HA 104/02. They shall be of a non-rocking design which does not rely on the use of cushion inserts. All manhole covers shall be the non-ventilating type and shall have closed keyways.
- Frames shall be bedded on a gauged Class 1 (3:1) sand/cement mortar to Cl.2402 of SHW Mortar Designation (i), and between 2 and 4 courses of Engineering Brickwork Class 'B' to BS EN 771-1:2011.
- Steps for manholes and other chambers shall be Type D Class 1, complying with the requirements of BS EN 13101: 2002.
- Precast concrete manhole pattern step irons at 300mm centres vertically and staggered 300mm horizontally between centres.
- On manholes less than 1.5mØ reducing slab not to be used and PC rings to continue up to cover slab.
- Pre-cast concrete products shall comply with the relevant provisions of BS 5911: Part 2, 200 & 230.
- The design criteria shall be agreed with WSCC. Drainage strategy and flood risk reports shall be provided. In the absence of this information the designer shall ensure compliance as follows:
 - Site Investigation Report.
 - Infiltration Test Results.
 - Design Calculations in accordance with BRE365 or CIRIA 156.
 - Design for 1:100yr Return Period and include an allowance for climate change.
 - Environment Agency consent.
- Where multiple soakaways are to be linked via pits at the same location, the minimum spacing must be equal to the excavated pit size.
- Soakaways to be sited clear of the footways and service margins in order to avoid obstructing the route of public utilities.
- Locations within verges and other adoptable areas should be chosen, in preference to the carriageway.
- Ground water monitoring may be necessary to establish highest seasonal variation. Where 1m of unsaturated ground below soakaway cannot be achieved, seek advice from WSCC.

C	Text removed from sample table	DJL	DJL	25.11.14
B	Table 1 and mortar base joint	DJL	DJL	13.05.14
A	Notes amended	DLS	MJA	28.02.13
Rev	Revision details	Chkd	Appd	Date
Drawn:	MJA		For comment	
Chkd:			For tender	
Appd:			For construction	
Date:			As constructed	
File ref:				
IWP Ref:				

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Project Name

Section 278/38 Highway Agreement
Standard Details

Drawing Title

Drainage
Precast Concrete Ring Soakaway



Original Drawing Size :	A3
Scale :	As Shown
Dimensions :	
Drawing No.	Rev
S278/38/12	C