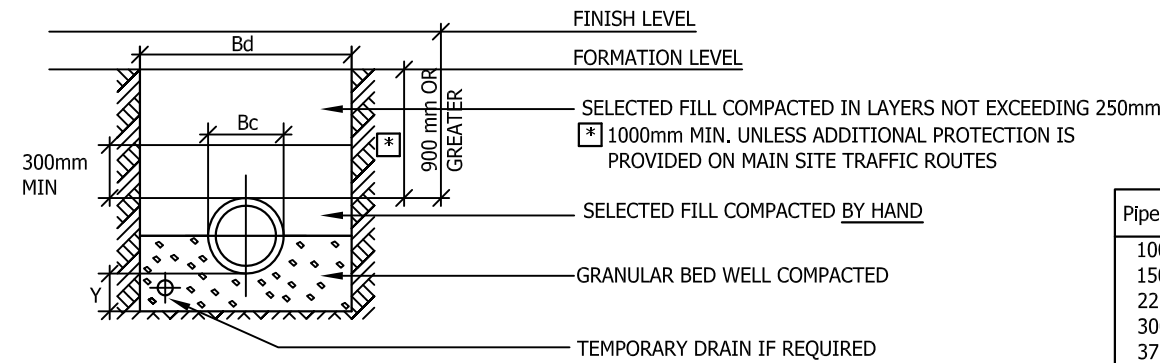
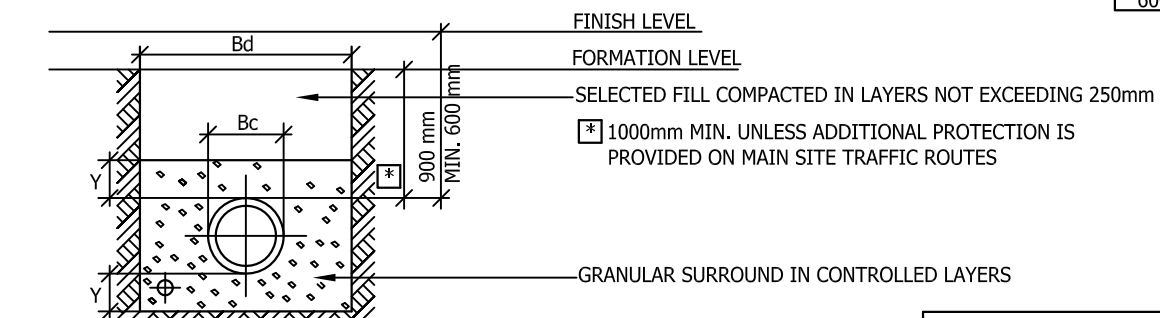


CLASS B GRANULAR BED

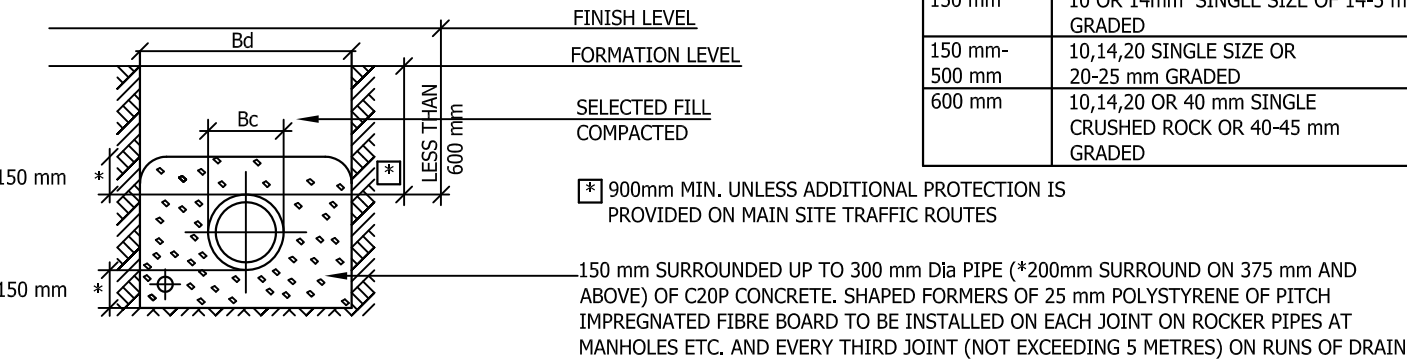


Pipe Size	Trench Width
100 mm	0.6 m
150 mm	0.6 m
225 mm	0.7 m
300 mm	0.8 m
375 mm	1.1 m
400 mm	1.1 m
450 mm	1.2 m
500 mm	1.2 m
600 mm	1.4 m

CLASS S GRANULAR SURROUND

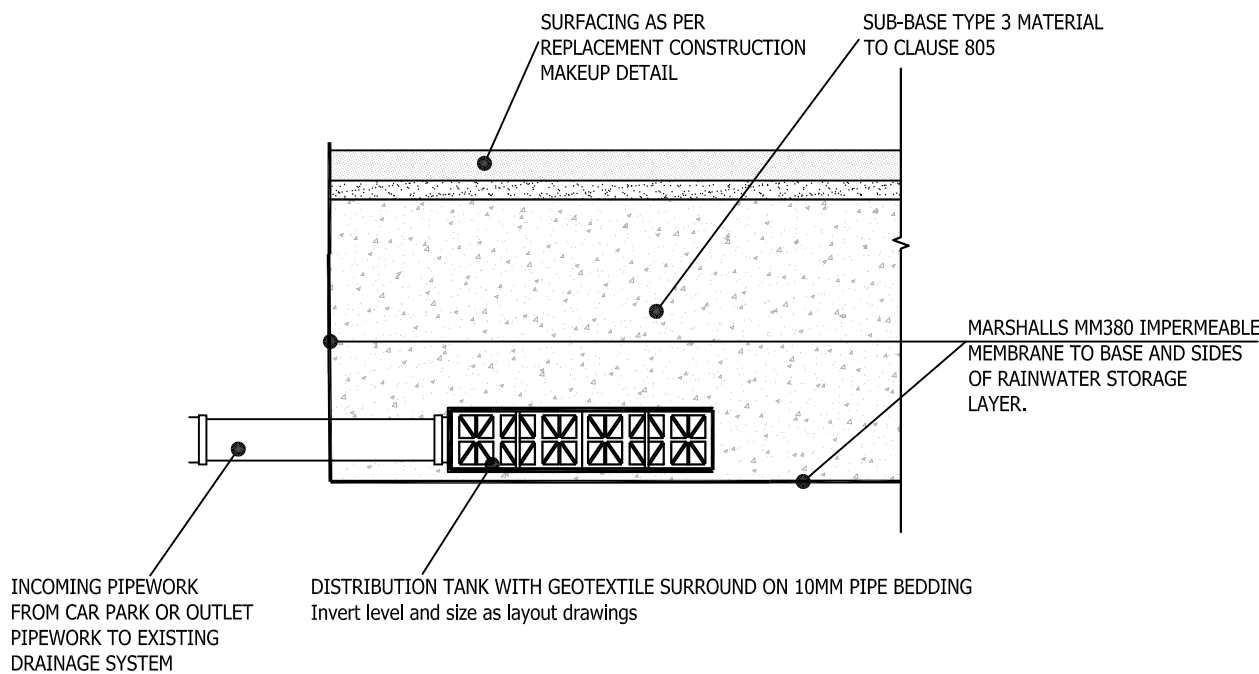


CONCRETE BED & SURROUND (C.B.S.)

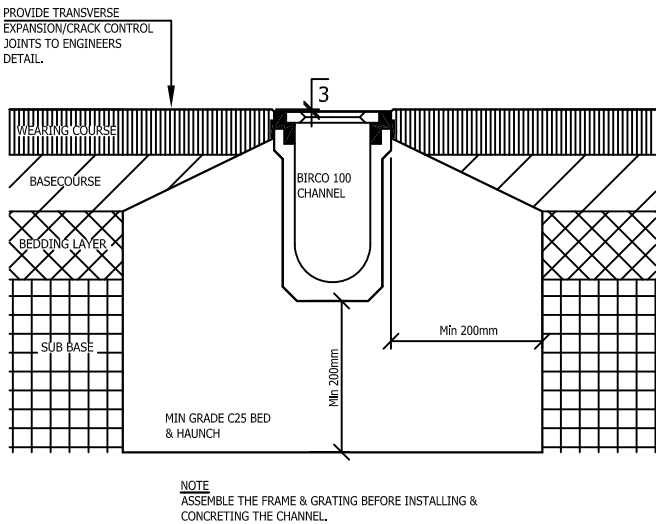


- DIMENSION Y =
- IN ROCK, CONCRETE OR MIXED SOILS CONTAINING ROCK BANDS, BOULDERS, LARGE FLINTS OR STONES OR OTHER IRREGULAR HARD SPOTS THAT RESULT IN UNEVEN TRENCH BOTTOM Y=1/4 Bc OR 200 mm WHICH EVER IS THE GREATER, BUT NOT LESS THAN 50mm UNDER COLLARS
- NOTES
- IN SOILS THAT PERMIT AN EVEN TRENCH BOTTOM TO BE EXCAVATED Y=1/6 Bc OR 150 mm WHICH EVER IS GREATER, BUT NOT LESS THAN 50 mm UNDER COLLARS
 - 1) FOR PIPES EXCEEDING 600 mm DIA REFER TO ENGINEER
 - 2) IN WET OR SOFT GROUND SEEK GUIDANCE FROM ENGINEER
 - 3)THE BEDDINGS MAY BE MODIFIED FOR CERTAIN SUB-SOIL CONDITIONS AT THE ENGINEERS DISCRETION
 - 4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL PROTECTION IN AREAS SUBJECT TO LOADS FROM SITE TRAFFIC. THE CONTRACTOR SHALL IDENTIFY THESE ZONES AND RESTRICT TRAFFIC ELSEWHERE
 - 5) SEE ALSO BS 8301
 - 6) FOR GREATER TRENCH WIDTHS SEEK GUIDANCE FROM ENGINEER

PIPE BEDDING DETAILS

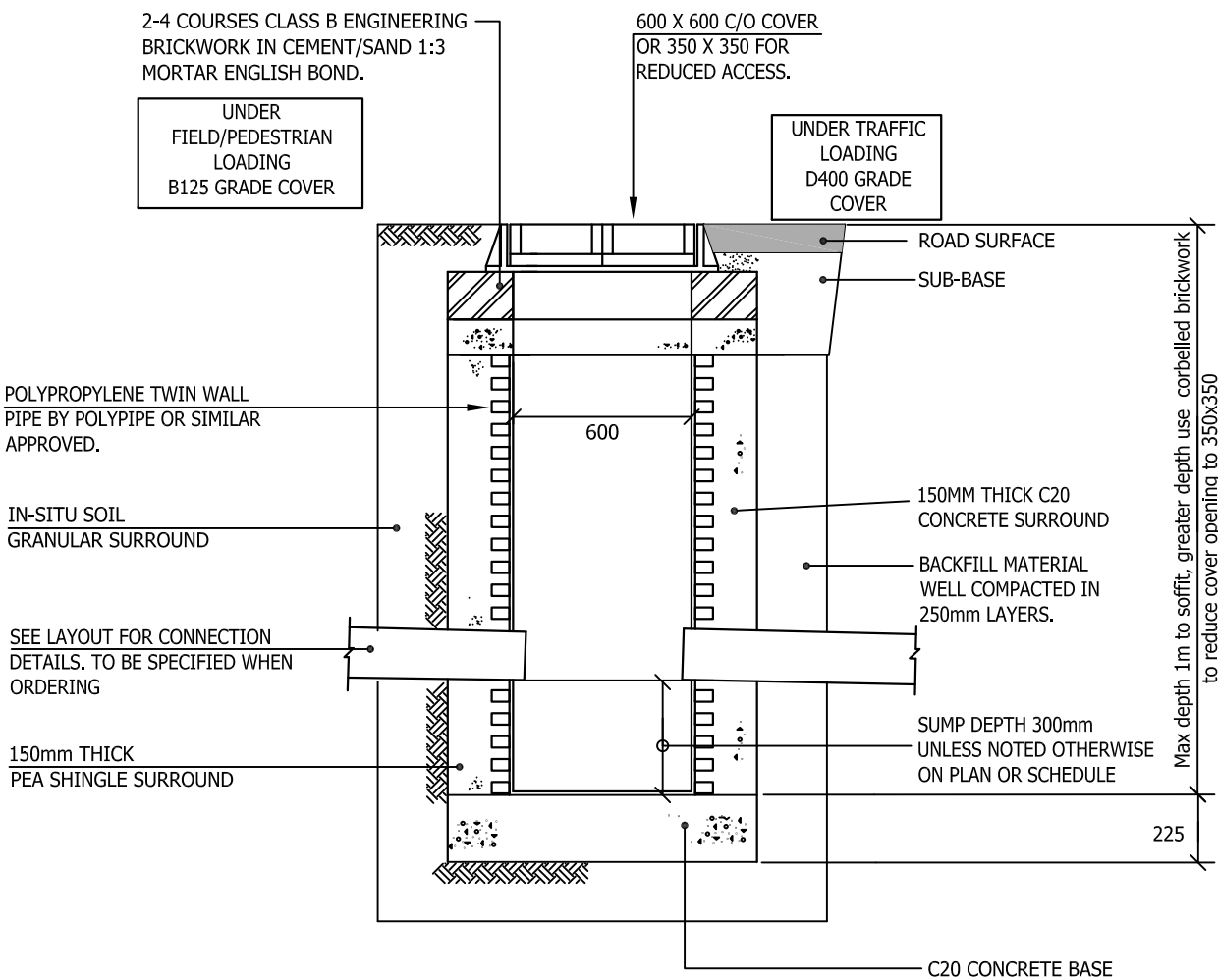


POROUS INLET/OUTLET
DETAIL CONSTRUCTION
(MARKED DT ON LAYOUT)



DRAINAGE CHANNEL INSTALLATION

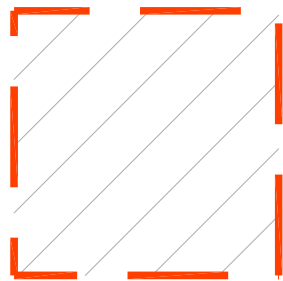
CONSTRUCTION MAKEUP BASED ON
MINIMUM MEASURED CBR OF 4%
FROM GROUND INVESTIGATION
REPORT BY JOMAS (REFERENCE
P2061J1674/SRC, DATED 09 AUGUST
2019)



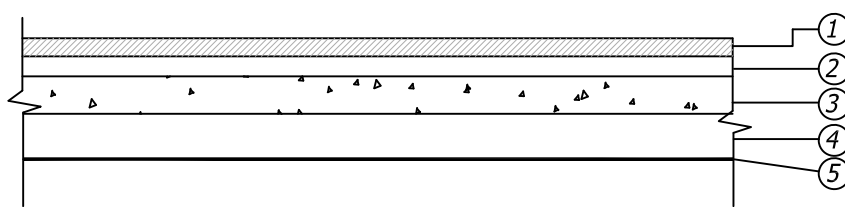
NOTES

1. ROCKER PIPES 600mm LONG FOR 100 TO 450 DIA PIPEWORK (1000mm LONG UP TO 750 DIA) ON OUTLET AND EACH ENTRY STARTING 150mm FROM CONCRETE SURROUND.

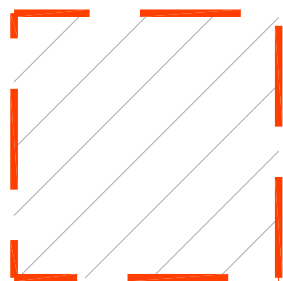
POLYPROPYLENE CATCHPIT



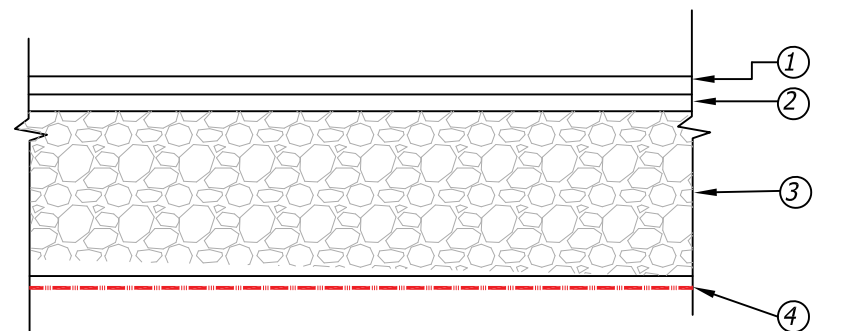
IMPERMEABLE TARMAC REPLACEMENT
CONSTRUCTION MAKEUP
LINED SYSTEM
(OPTION 1)



- 1 30mm Surface course, Dense Asphalt Concrete AC10 to BSEN13108-1. 100-150 Pen. PSV 55, AAV 14.
- 2 60mm thick Binder course, Dense Asphalt Concrete, AC20 dense bin 40/60 to BSEN13108-1.
- 3 80mm Base, AC32 Dense Base Asphalt to BSEN13108-1. 40-60 Pen
- 4 430 - 620mm Sub-Base Type 3 material to Clause 805
- 5 Marshalls MM380 impermeable membrane to base and sides



PERMEABLE TARMAC REPLACEMENT
CONSTRUCTION MAKEUP
LINED SYSTEM
(OPTION 2)



- 1 30mm thick Porous 'Drainasphalt 10', 10mm stone surface course by Aggregate Industries.
- 2 90mm thick Base, Dense Asphalt Concrete, AC32 Dense Base, 40/60 Pen to BSEN13108-1. Perforated with 50mm dia. holes at 0.8m centres both ways and filled with 5mm size clean stone
- 3 430mm thick Sub-Base Type 3 material to Clause 805
- 4 Marshalls MM380 impermeable membrane to base and sides

GENERAL NOTES

1. The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations , record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. any discrepancies shall be notified to gta prior to works commencing.
2. Tender or billing drawings shall not be used for construction or the ordering of materials.
3. Do not scale. All dimensions and levels to be site confirmed.
4. This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements
5. Copyright : This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.
6. All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.

T3	PPCP DETAIL ADDED. PERMEABLE TARMAC DETAIL ADDED.	17.10.22	JR	MR
T2	POROUS INLET/OUTLET DETAIL MADE LESS GENERAL. CONSTRUCTION MAKEUP AMENDED TO CBR RESULT.	03.10.22	JR	MR
T1	INITIAL ISSUE	08.09.22	JR	MR
Rev	Amendments	Date	Dsn	Chk
Status				
TENDER				
Client				
CBRE UK PROPERTY PAIF NOMINEE HOLDING LIMITED				
Architect				
BLACK ARCHITECTURE				
Project				
HEDGE END 2 RETAIL PARK SOUTHAMPTON				
Title				
SITE DRAINAGE DETAILS				
Date		Scale @ A2		
SEPTEMBER 2022				
Clients Ref.		Project Ref.		
		11073		
 Civils & Transport Maple House, 192-198 London Road, Burgess Hill, West Sussex, RH15 9RD Tel.01444 871444 Web: www.gtacivils.co.uk				
Drawing Number				Rev.
11073/1701				T3