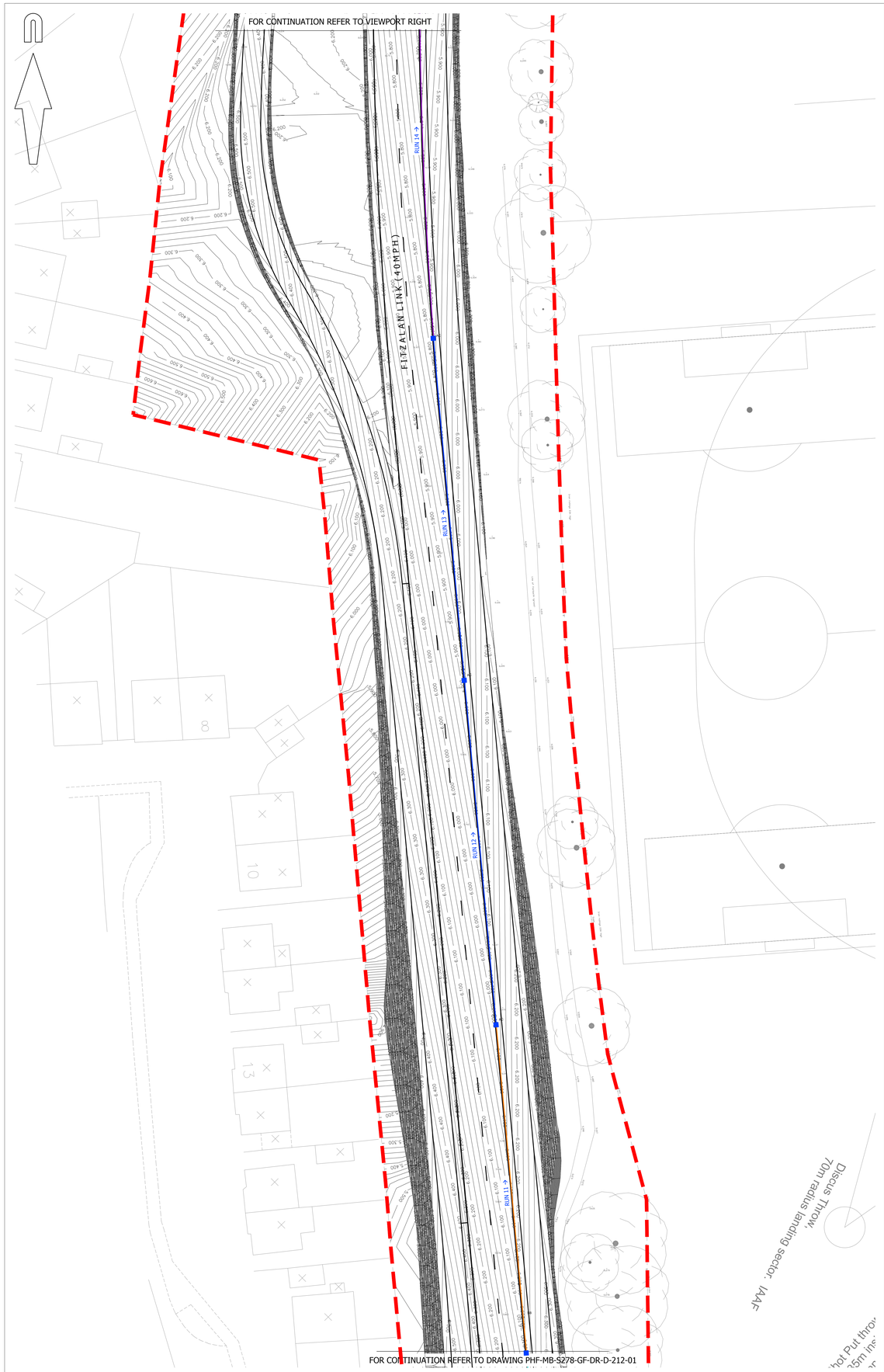

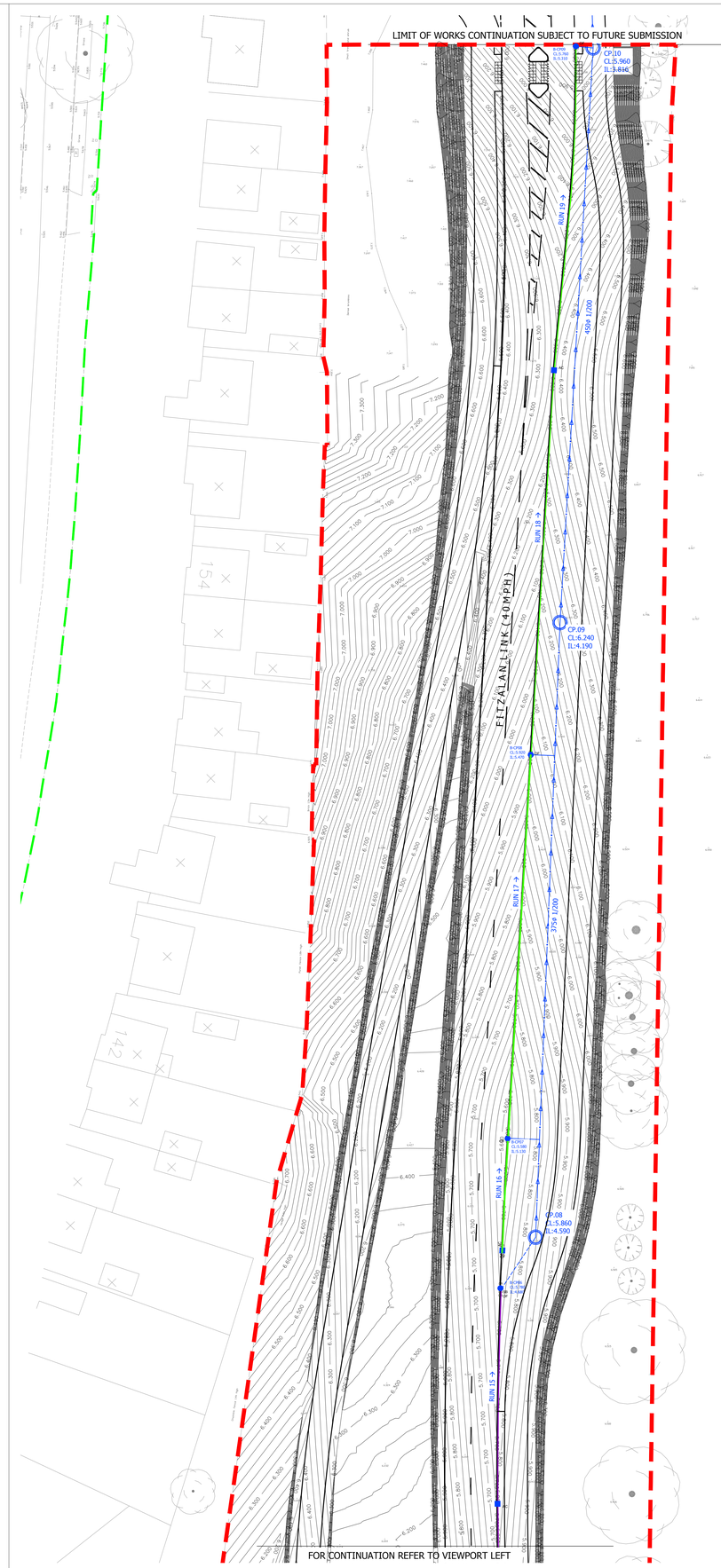

NOTES

1. This drawing is not to be scaled.
2. This drawing is to be read in conjunction with all other relevant engineering and landscaping drawings. Any discrepancies are to be reported to the Engineer immediately for clarification.
3. All drainage installations, materials and workmanship specification to be undertaken in accordance with Sewers for Adoption 7th Edition and Appendix 5/1, 5/3, 5/4 and 5/5 of the Specification Document.
4. It is the contractor's responsibility to undertake pressure tests on the completion of every drainage run between manholes on pipes up to 750mm diameter and witnessed by the Highway Authority inspector.
5. Contractor to undertake CCTV survey prior to Part 2 completion certificate being signed off and issued. The sewerage shall be mechanically cleansed as directed by the Engineer.
6. The combined kerb & drainage system shall be Marshalls Beany Block, manufactured in pre-cast concrete, with the exception of certain fitments which are manufactured in cast iron as supplied by Marshalls Mono Ltd, Halifax HX3 9HT in accordance with Standard Detail Sheets.
7. The combined kerb & drainage shall consist of a two part system consisting of top blocks with a straight backed half battered profile together with constant depth base units that are 205, 295, 310, 360, 365 and 630mm deep. The overall width of the system shall be not less than 250mm.
8. All components of the Beany system, shall comply with the Highways Agency Manual of Contract Documents for Highway Works and the British Standard BS EN1433, Load classification D400 and the following:
   - 8.1. The water inlet aperture shall increase in size towards the inside of the unit with a minimum divergence angle of 5°.
   - 8.2. The angle of incline of the water inlet aperture shall be at least 30° to the horizontal.
   - 8.3. Water inlet apertures shall be wholly within individual units and not within 100mm of the end of each unit.
   - 8.4. When installed, the depth of construction from the top of the base units to the drained area surface shall be not less than 100mm.
   - 8.5. The Top Block shall have an Unpolished Skid Resistance Value (USRV) in excess of 70 when tested in accordance with BS 7263:Part 3.
   - 8.6. The system shall have a minimum of 13,500mm²/m water inlet aperture area.
9. The combined kerb & drainage system shall be installed with sealant applied to all joints providing a water tight system to the manufactures recommendations and to the satisfaction of the Highway Authority and Engineer. Sealant shall be Marshalls M-Flex sealant or similar approved.
10. Drawing to be read in conjunction with Construction Details Booklet.
11. Cover level of all existing chambers within the works to be adjusted to suit new road and footway levels.
12. Where necessary chamber covers are to be recessed infill type in areas of slab / block paving.
13. All street furniture to have 450mm min. clearance to face of kerb.
14. Levels are subject to detailed design and tie in with the Lyminster Bypass / A259 Roundabout.

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A0 ORIGINAL

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KEY

- EXISTING KERB LINE
- PROPOSED KERB/EDGING LINE
- PROPOSED DROPPED KERB
- PROPOSED ROAD MARKING
- PROPOSED EARTHWORK EMBANKMENT
- PROPOSED GULLY CONNECTION
- PROPOSED HIGHWAY DRAIN
- PROPOSED TRENCH SOAKAWAY - REFER TO BE DETAIL MB/F/01
- G — PROPOSED GULLY - REFER TO WSCC DETAIL S278/38/11
- CP:01 CL:00.300 IL:19.400 — PROPOSED HIGHWAY DRAINAGE CATCHPIT - REFER TO WSCC DETAIL S278/38/13
- CP:01 CL:00.300 IL:19.400 — PROPOSED HIGHWAY DRAINAGE VORTEX FLOW CONTROL CHAMBER - REFER TO WSCC DETAIL S278/38/14
- RUN 1 → — PROPOSED MARSHALLS MINI BEANY 310 BASE UNIT AND HB2 TOP BLOCK LINEAR KERB DRAIN, OR SIMILAR APPROVED
- RUN 1 → — PROPOSED MARSHALLS BEANY 205 BASE UNIT AND HB2 TOP BLOCK LINEAR KERB DRAIN, OR SIMILAR APPROVED - REFER TO MB DETAIL MB/F/03
- RUN 1 → — PROPOSED MARSHALLS BEANY 295 BASE UNIT AND HB2 TOP BLOCK LINEAR KERB DRAIN, OR SIMILAR APPROVED - REFER TO MB DETAIL MB/F/03
- RUN 1 → — PROPOSED MARSHALLS BEANY 365 BASE UNIT AND HB2 TOP BLOCK LINEAR KERB DRAIN, OR SIMILAR APPROVED - REFER TO MB DETAIL MB/F/03
- RUN 1 → — PROPOSED MARSHALLS BEANY 630 BASE UNIT AND HB2 TOP BLOCK LINEAR KERB DRAIN, OR SIMILAR APPROVED - REFER TO MB DETAIL MB/F/03
- RUN 1 → — PROPOSED MARSHALLS BEANY DROPPED CROSSING UNIT AND BN TOP BLOCK, OR SIMILAR APPROVED - REFER TO MB DETAIL MB/F/03
- SC — PROPOSED MARSHALLS BEANY CAST IRON ACCESS COVER, OR SIMILAR APPROVED - REFER TO MB DETAIL MB/F/03
- SC CO — PROPOSED MARSHALLS BEANY CAST IRON ACCESS COVER WITH END CAP, OR SIMILAR APPROVED - REFER TO MB DETAIL MB/F/03
- CP — PROPOSED MARSHALLS BEANY CATCHPIT OUTFALL, OR SIMILAR APPROVED - REFER TO MB DETAIL MB/F/03
- SB — PROPOSED MARSHALLS SILT TRAP AND BEANY CAST IRON ACCESS COVER, OR SIMILAR APPROVED
- SW OF — PROPOSED SITE BUILT OUTFALL WITH ACCESS COVER
- PROPOSED ATTENUATION TANK - REFER TO MB DETAIL MB/F/02

FOR APPROVAL
NOT FOR CONSTRUCTION

rev.	amendment	checked	date
P4	Earthworks amended following comments from WSCC dated 05/07/2017. (OJN)	AB	27/07/2017
P3	Contours updated. (OJN)	AB	22/07/2016
P2	Updated in accordance with Marshall's comments. (SL)	AB	26/05/2016

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client
PERSIMMON HOMES

project
NORTH LITTLEHAMPTON PHASE 2
FITZALAN LINK S278 WORKS

scale	1:250 @ A0	drawn by	PB	checked by	AB
date	MARCH 2016	cad file	212-01 P4 & 02 P4.DWG		

title
PROPOSED S278 HIGHWAY WORKS
DRAINAGE DRAWING (2 OF 3)

drawing number PHF-MB-S278-GF-DR-D-212-02 rev. P4