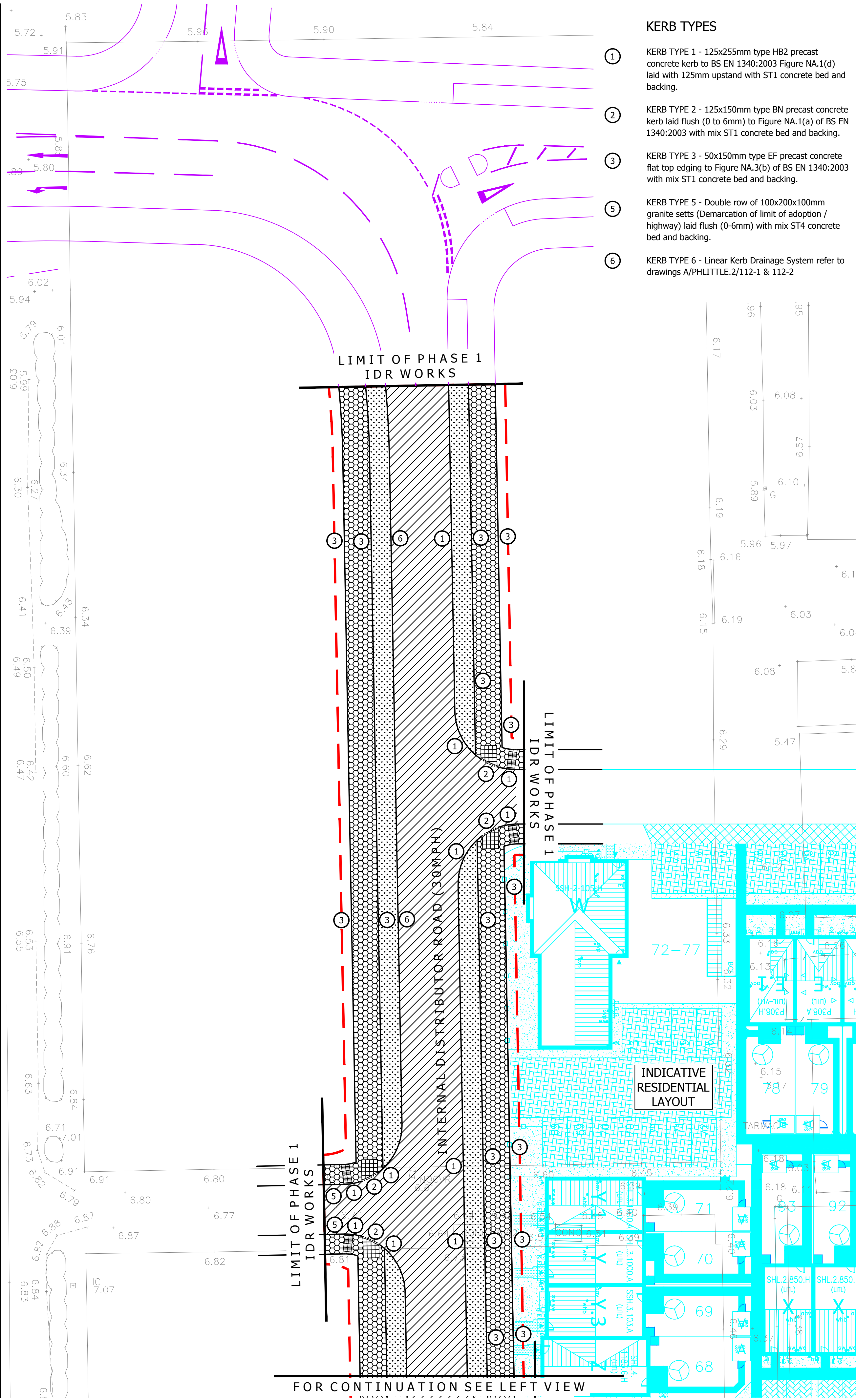
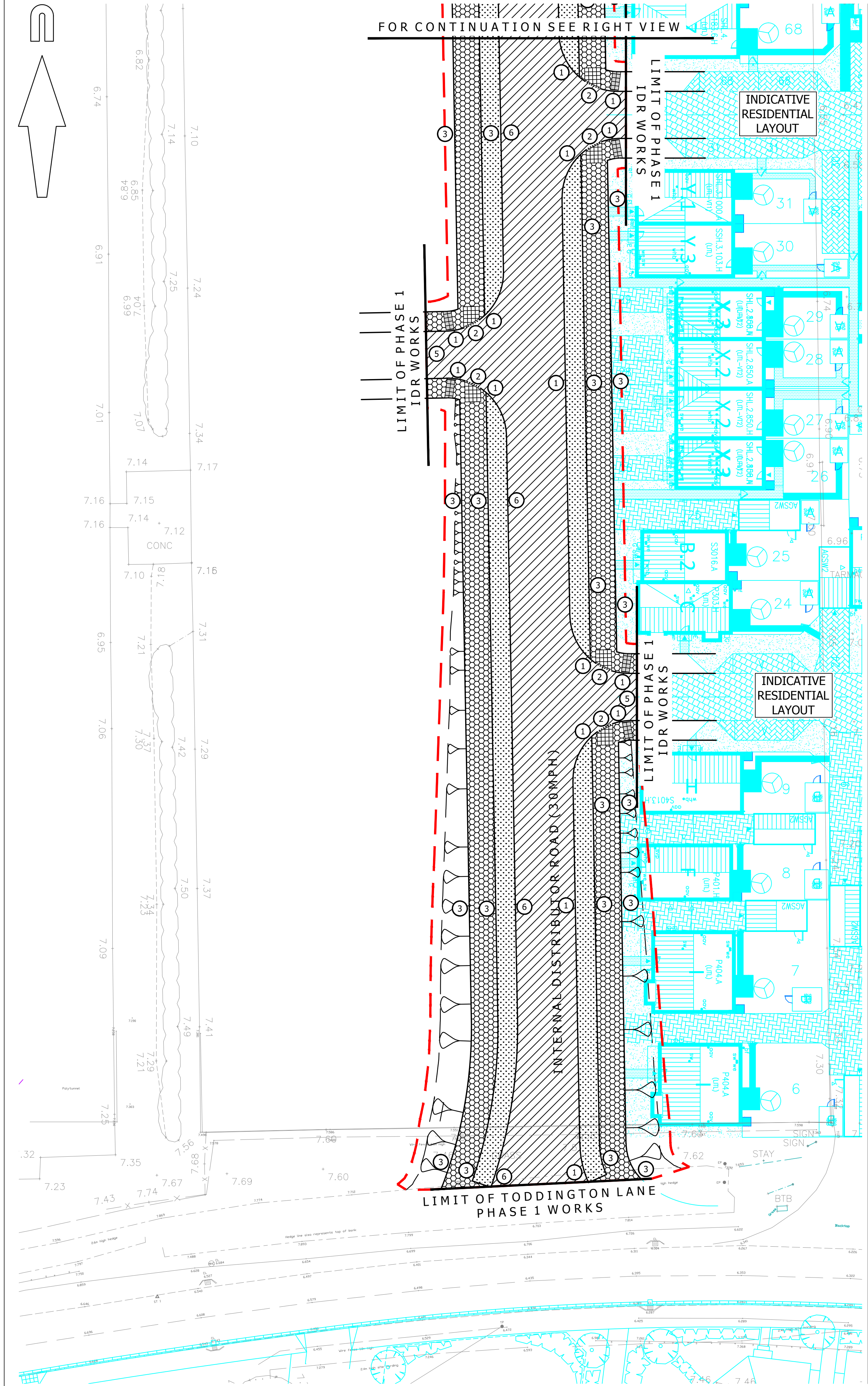




- KERB TYPES**
- ① KERB TYPE 1 - 125x255mm type HB2 precast concrete kerb to BS EN 1340:2003 Figure NA.1(d) laid with 125mm upstand with ST1 concrete bed and backing.
 - ② KERB TYPE 2 - 125x150mm type BN precast concrete kerb laid flush (0 to 6mm) to Figure NA.1(a) of BS EN 1340:2003 with mix ST1 concrete bed and backing.
 - ③ KERB TYPE 3 - 50x150mm type EF precast concrete flat top edging to Figure NA.3(b) of BS EN 1340:2003 with mix ST1 concrete bed and backing.
 - ⑤ KERB TYPE 5 - Double row of 100x200x100mm granite setts (Demarcation of limit of adoption / highway) laid flush (0-6mm) with mix ST4 concrete bed and backing.
 - ⑥ KERB TYPE 6 - Linear Kerb Drainage System refer to drawings A/PHLITTLE.2/112-1 & 112-2

A1 ORIGINAL

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KEY

- EXISTING KERB LINE
- PROPOSED KERB/EDGING LINE
- PROPOSED DROPPED KERB
- PROPOSED BUFF COLOURED TACTILE PAVING IN ACCORDANCE WITH WSCC DETAIL S278/38/18
- PROPOSED CORDUROY HAZARD WARNING PAVING IN ACCORDANCE APPENDIX 11/1
- PROPOSED FULL DEPTH LOCAL DISTRIBUTOR CARRIAGEWAY CONSTRUCTION IN ACCORDANCE WITH APPENDIX 7/1 AND WSCC DETAIL S278/38/21
- PROPOSED FULL DEPTH FOOTWAY CONSTRUCTION TYPE 1 IN ACCORDANCE WITH APPENDIX 11/1 AND WSCC DETAIL S278/38/04
- PROPOSED VERGE TO BE TOP SOILED AND SEEDED WITH HARD WEARING AMENITY GRASS "WEAR AND TEAR (A24) BY GERMINAL SEEDS OR SIMILAR APPROVED"
- PROPOSED LIMIT OF WORKS

- NOTES**
- RGP Layout taken from RGP drawing 2014/1994/180.
 - B3/B5 site layout taken from Bovis drawing LITL-04 received 27/04/2016

FOR CONSTRUCTION

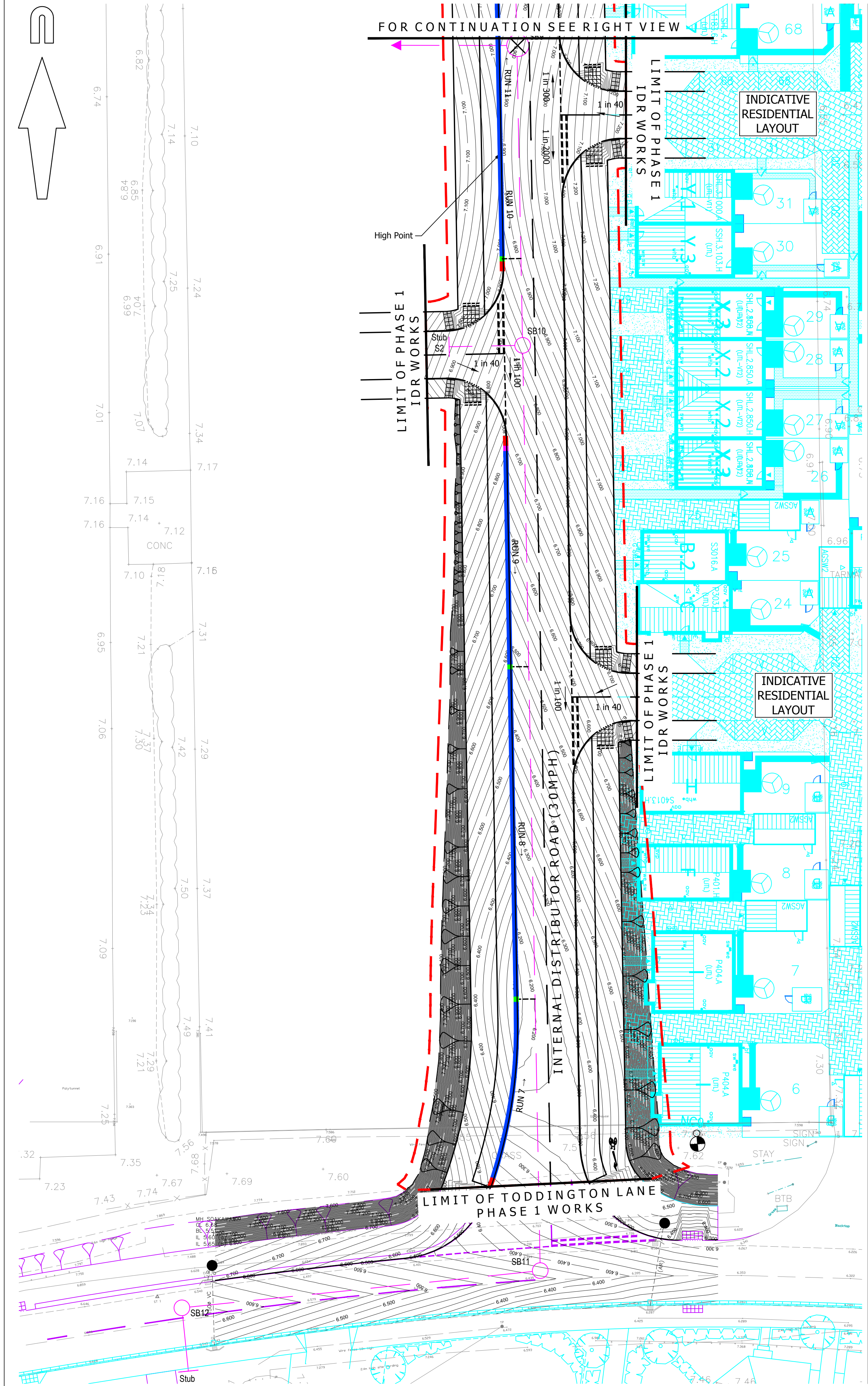
C1	Revision changed to construction issue. (PB)	AB	01/09/2016
P2	Drawing title & section lines updated following comments received from WSCC dated 09/08/2016. (OJN)	AB	09/08/2016

rev.	amendment	checked	date
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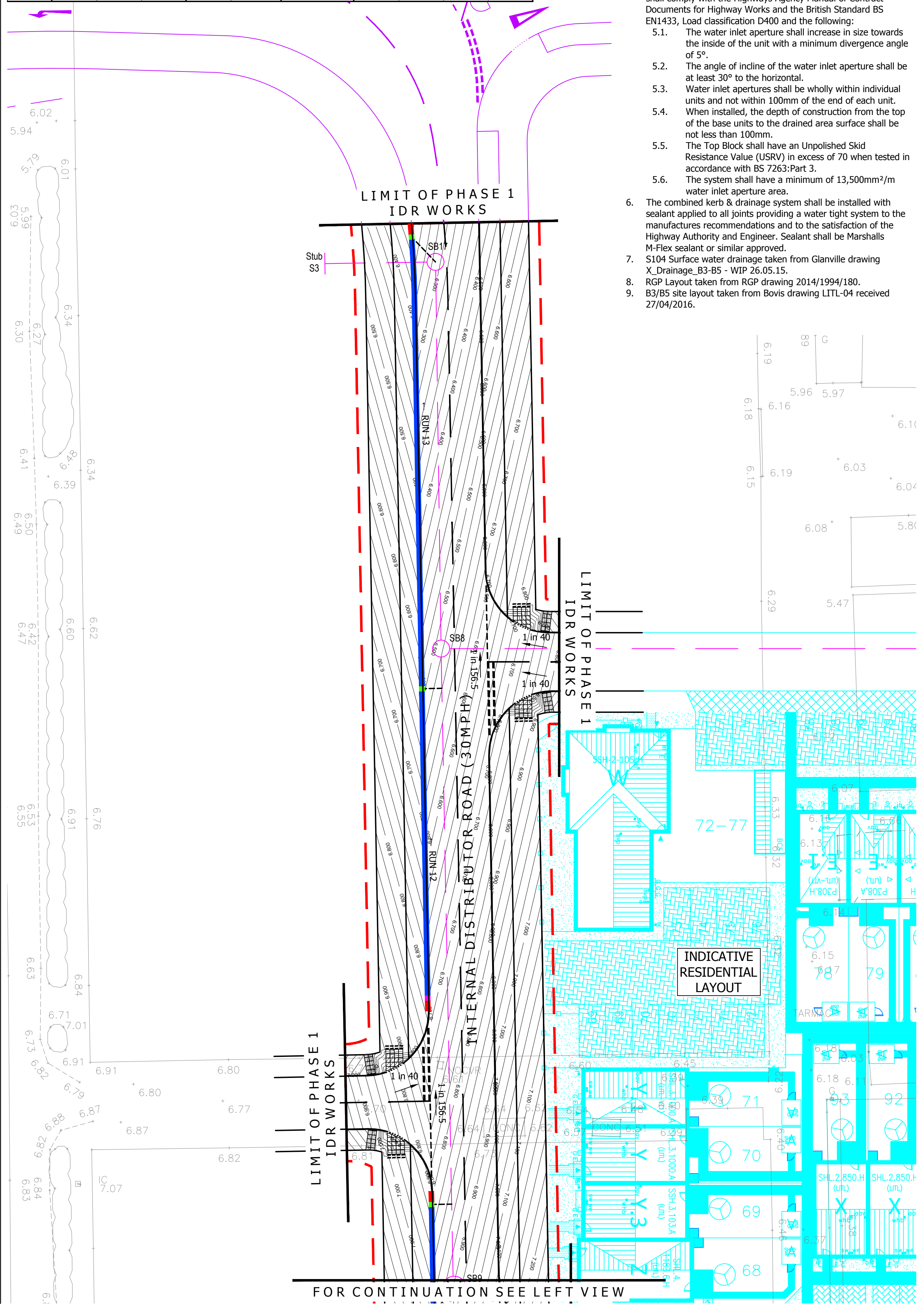
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client		PERSIMMON HOMES			
project					
NORTH LITTLEHAMPTON PHASE 1 - IDR WORKS OFF TODDINGTON LANE S38 WORKS					
scale		1:250		drawn by	
		OJN		checked by	
				AB	
date			JUNE 2016		
			cad file		
			MASTER IDR.DWG		
title					
PROPOSED S38 HIGHWAY WORKS CONSTRUCTION TREATMENTS DRAWING					
drawing number				rev.	
A/PHLITTLE.2/IDR-111				C1	



Mini-Beany Details									
Run Dimensions			Run-off		Channel Design		Capacity Check		
Run Length (m)	Run Gradient (1 in XX)	Area Drained (m²)	Design Rainfall (mm/hr)	Calculated run-off (l/sec)	System & Deepest Channel	Available Capacity (l/sec)	Required Capacity (l/sec)	% capacity used	Notes
Internal Distributer Road									
Run 7	22.500	100	173	50	2.403	Base 210	12	2.403	20% OK
Run 8	34.000	100	285	50	3.958	Base 210	13	3.958	30% OK
Run 9	21.500	100	323	50	4.486	Base 210	11	4.486	41% OK
Run 10	11.000	500	66	50	0.917	Base 210	11	0.917	8% OK
Run 11	19.000	156	173	50	2.403	Base 210	11	2.403	22% OK
Run 12	28.500	156	376	50	5.222	Base 210	11	5.222	47% OK
Run 13	43.500	156	344	50	4.778	Base 210	11	4.778	43% OK



- NOTES
- All highway drains except filter drains with 1.2m minimum cover shall be laid with Type S bedding and surround in accordance with MCHW detail F1.
 - All highway drains except filter drains with less than 1.2m cover shall be laid with Type Z bedding and surround in accordance with MCHW detail F1.
 - It is the contractors responsibility to undertake pressure tests on the completion of every drainage run between manholes on pipes up to 750mm diameter.
 - Contractor to undertake CCTV survey prior to completion certificate being signed off and issued. The sewerage shall be mechanically cleaned as directed by the Engineer.
 - All components of the combined linear kerbed drainage 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:
 - The water inlet aperture shall increase in size towards the inside of the unit with a minimum divergence angle of 5°.
 - The angle of incline of the water inlet aperture shall be at least 30° to the horizontal.
 - Water inlet apertures shall be wholly within individual units and not within 100mm of the end of each unit.
 - When installed, the depth of construction from the top of the base units to the drained area surface shall be not less than 100mm.
 - The Top Block shall have an Unpolished Skid Resistance Value (USRV) in excess of 70 when tested in accordance with BS 7263:Part 3.
 - The system shall have a minimum of 13,500mm²/m water inlet aperture area.
 - 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.
 - S104 Surface water drainage taken from Glanville drawing X_Drainage_B3-B5 - WIP 26.05.15.
 - RGP Layout taken from RGP drawing 2014/1994/180.
 - B3/B5 site layout taken from Bovis drawing LITL-04 received 27/04/2016.

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KEY

- EXISTING KERB LINE
- PROPOSED KERB/EDGING LINE
- PROPOSED DROPPED KERB
- GLANVILLE S104 SURFACE WATER SEWER
- PROPOSED MARSHALLS MINI BEANY BLOCK BASE 210 UNIT AND KERB
- PROPOSED MARSHALLS MINI BEANY BLOCK BASE 260 UNIT AND KERB
- PROPOSED MARSHALLS MINI BEANY BLOCK BASE 260 UNIT AND KERB DROPPED CROSSING
- PROPOSED MARSHALLS MINI BEANY BLOCK BASE 210 UNIT AND COVER PLATE ACROSS ACCESS
- PROPOSED MARSHALLS MINI BEANY INLINE SIDE OUTFALL OUTLET
- PROPOSED MARSHALLS MINI BEANY CAST IRON ACCESS COVER
- PROPOSED MARSHALLS MINI BEANY CAP OUTLET
- PROPOSED EARTHWORKS
- PROPOSED LIMIT OF WORKS

FOR CONSTRUCTION

C1	Revision changed to construction issue. (PB)	AB	01/09/2016
P2	Drawing title & section lines updated and cycle marking amended following comments received from WSCC dated 09/08/2016. (OJN)	AB	09/08/2016

rev.	amendment	checked	date
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client
PERSIMMON HOMES

project
**NORTH LITTLEHAMPTON PHASE 1 - IDR WORKS
OFF TODDINGTON LANE S38 WORKS**

scale 1:250 drawn by OJN checked by AB

date JUNE 2016 cad file MASTER IDR.DWG

title
**PROPOSED S38 HIGHWAY WORKS
DRAINAGE AND DUCTING DRAWING**

drawing number **A/PHLITTLE.2/IDR-112** rev. **C1**