



Street Lighting Arrangement

- Denotes 7M galvanneal steel column with OrangeTec Aria 30LED complete with electronic PEC.
 - Denotes existing column with lantern change to OrangeTec Aria 30LED lantern complete with electronic PEC.
 - Denotes existing column to be removed.
- All materials to comply fully with current BMBC Street Lighting Specification.

It is the responsibility of the developer to advise their clients of the location of street lighting columns relative to their property and to programme column installation works commensurate with property occupation. Column positions may be adjusted slightly to suit site conditions and services, but must not normally be erected within 500mm of defined driveway boundaries. BMBC will not enter into third party discussion on column positions, any such discussions will be carried out between BMBC and the developer.

The street lighting columns and lanterns and their maintenance remain the responsibility of the developer until completion of the adoption process.

All lighting columns are to be provided with an unmetered single phase electricity supply via the REC cable network. It is expected that the developer will coordinate with the REC regarding the installation of any cable ducts they may require.

Private Drive dropped kerb at crossing point (25mm kerb face).

Linear drain to connect via private drainage system and not to public highway systems.

Extent Phase 1 (S38)

900mm Deep 750mm wide Infiltration trench

- Proposed levels
- Road Gully (Proposed)
- Relocate Existing Gully
- Existing Road Gully to be abandoned

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- Main Contractor to provide a detailed method statement for all works prior to commencement on site.

Handwritten signatures and initials:
Gangke
Richard Little
SJB

N	18.05.15	TC	Land drain omitted, replaced with infiltration trench to Barnsley MBC comments.	BJB
M	12.05.15	TC	Littleworth Lane Junction road reverted back to 25m at Barnsley MBC request. Give way Triangle relocated.	BJB
L	08.05.15	TC	Kerbline to Littleworth Lane amended to reflect Road Safety Audit. H419 relocated. Land Drain repositioned, top of embankment. Temporary signage notation added.	BJB
K	08.05.15	TC	D8 Light Column type amended.	BJB
J	09.04.15	TC	Extent of embankment indicated. Land drain indicated. Linear drainage notes amended to reflect BMBC comments.	BJB
H	02.04.15	TC	Channel level at low point amended. Street Lighting columns D1 and N11 indicated. Linear drainage to private drive added.	BJB
G	24.03.15	TC	Private driveway indicated. Levels amended at driveway crossing. Street Lighting added. 3m footpath/driveway levels amended to incorporate 4% fall.	BJB
F	22.01.15	TV	The speed hump sign relocated.	BJB
E	16.12.14	TV	Road 3 added, road kerb amended.	BJB
D	02.12.14	AA	Layout amended to suit Barnsley Highway comments 02.12.2014	TC
C	24.11.14	AA	Layout amended to suit Barnsley Highway comments.	TC
B	09.11.14	TC	New Kerb alignment, white lining amended. Surfacing extent amended to suit.	AK
A	07.10.14	TC	White Lining amended. Additional road markings and signage indicated.	BJB
Rev	Date	Drawn	Description	Drawn

Met
ENGINEERS

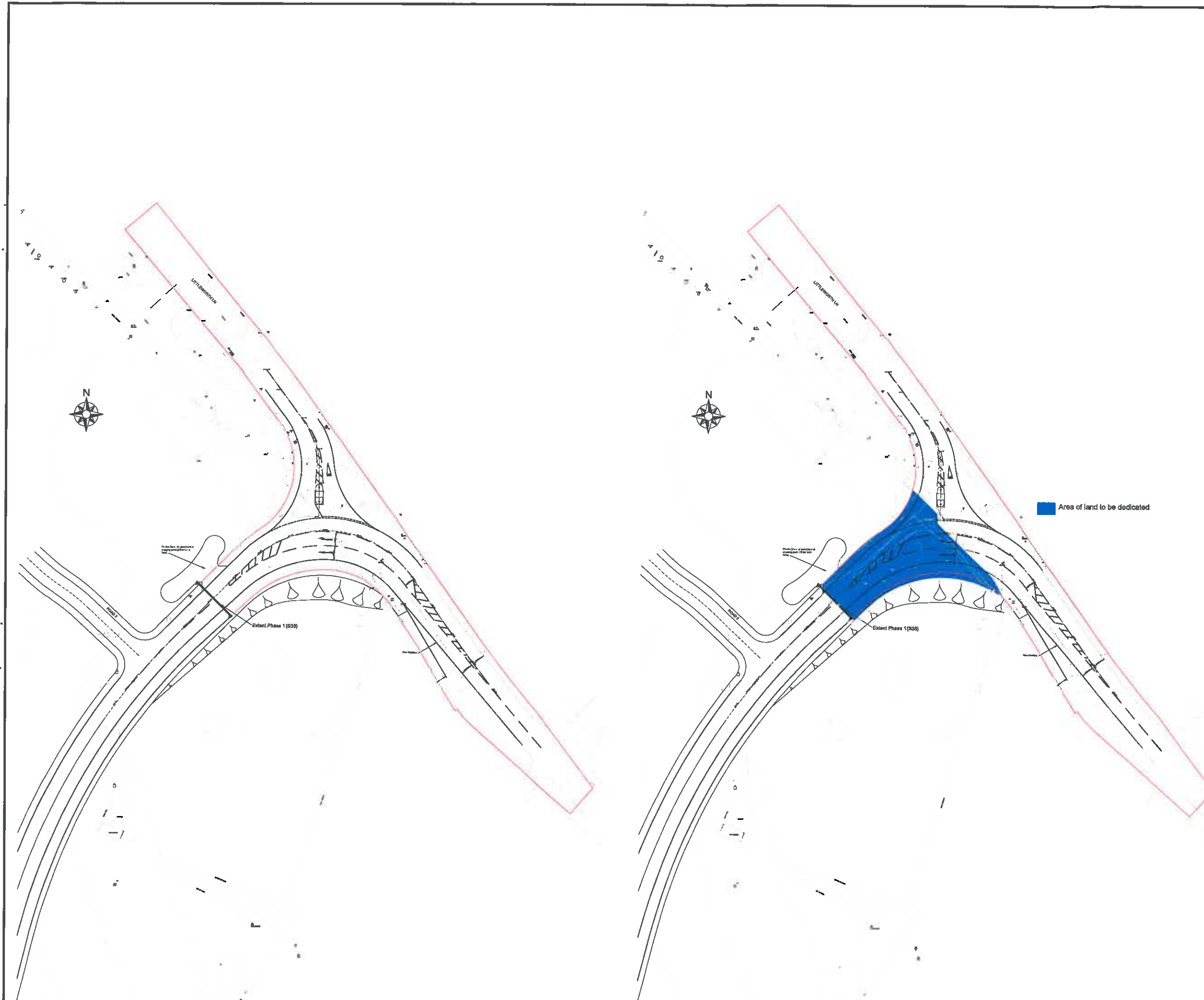
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Client
Harron Homes Limited

Project
Littleworth Lane, Lundwood, Barnsley

Title
Section 278 Layout

Drawn	PH	Checked	ATK	Scale
Date	Sept 14	Date	Sept 14	1:200
Status	For Approval			Original Size
Drawing No	10957-5001-04			Rev
				N



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Handwritten signatures and initials:
 Gary Ke
 SS
 J. H. K.
 Andrew L...

Rev	Date	Drawn	Description	CRD
C	12.05.15	TC	Littleworth Lane Junction radii reverted back to 25m at Barnsley MBC request.	BJB
B	11.05.15	TC	Littleworth Lane Junction radii amended to 15m to reflect Road Safety Audit.	BJB
A	03.11.14	TC	New Kerb alignment, white lining amended, Extent of works amended.	-



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Client: **Harron Homes Limited**

Project: **Littleworth Lane, Lundwood, Barnsley**

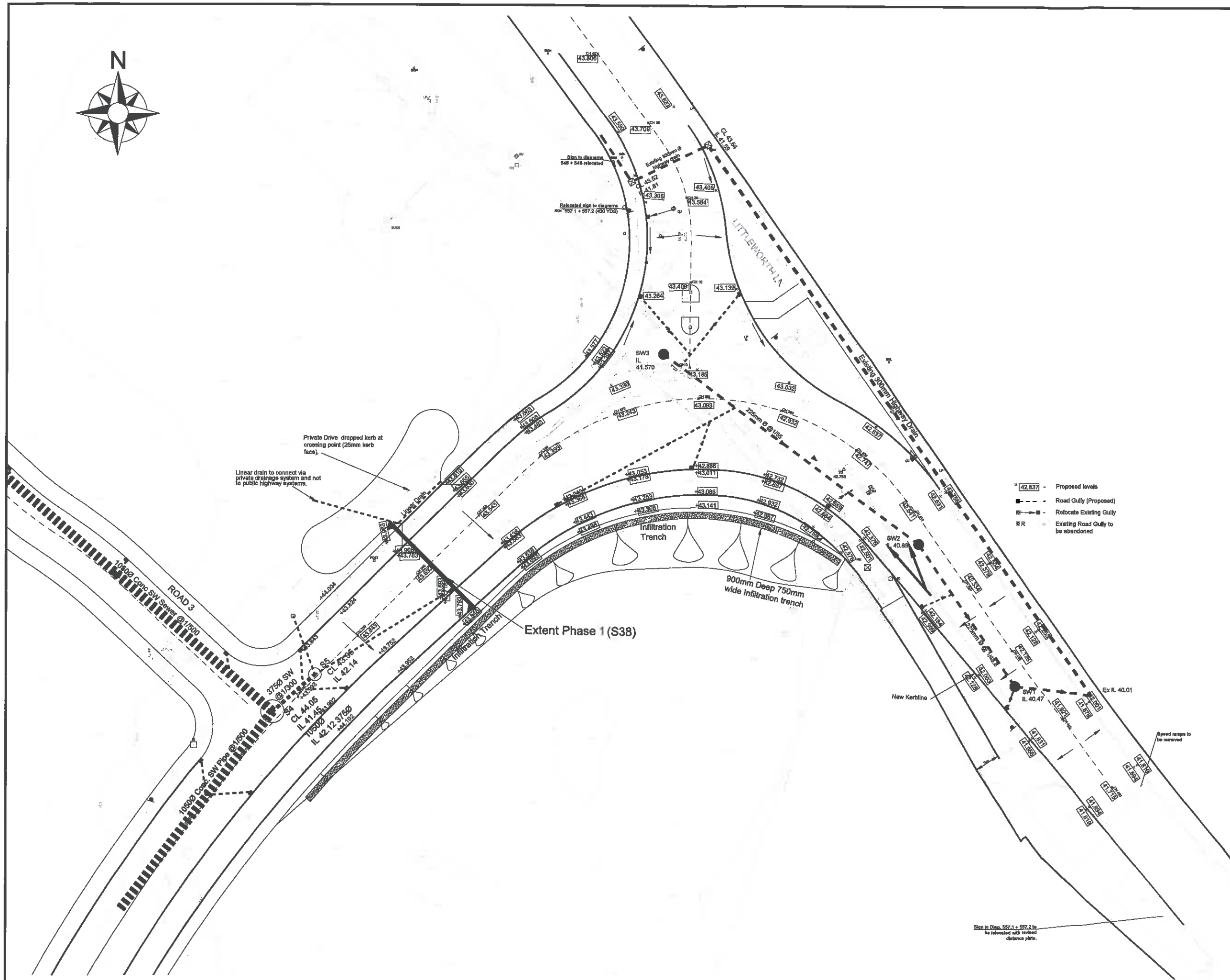
Title: **Section 278 Extents Plan
 Section 278 - Land Dedication Plan**

Drawn	PH	Checked	ATK	Scale
Date	Sept 14	Date	Sept 14	1:500

Status: **For Approval**

Drawing No: **10957-5001-05**

Original Size: **A1**
 Rev: **C**



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Design Risk	
# Hazard/Risk	Mitigation / Residual Risk
1. XXX (Risk-High)	XXX (Risk-Low)
2. XXX (Risk-High)	XXX (Risk-Low)
3. XXX (Risk-Med)	XXX (Risk-Low)
4. XXX (Risk-Med)	XXX (Risk-Low)
5. XXX (Risk-Med)	XXX (Risk-Low)

Typical Infiltration Trench Detail
N.T.S.

Rev	Date	Drawn	Description	CRWD
K	19.05.15	TC	Land drain omitted, replaced with infiltration trench to Bamsley MBC comments.	BJS
J	12.05.15	TC	Littleworth Lane Junction not reverted back to 25m at Bamsley MBC request.	BJS
H	11.05.15	TC	Kerbline to Littleworth Lane amended to reflect Road Safety Audit. HV9 relocated.	BJS
G	09.04.15	TC	Extent of embankment indicated. Land drain indicated. Linear drainage notes amended to reflect BMO comments.	BJS
F	02.04.15	TC	Channel level at low point amended. Linear drainage to private drive added.	BJS
E	24/03/15	TC	Private drive indicated. Driveway crossing levels amended. 3m footpath/cycleway level amended to incorporate 4% fall.	BJS
D	21/01/15	TV	SW1, SW2, SW3 IL amended.	-
C	09/01/15	TV	IL CL added, gullies amended.	-
B	18.12.14	TV	Surface water drainage added.	-
A	03.11.14	TC	New Kerb alignment, gully positions amended to reflect.	-

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Client
Harron Homes Limited

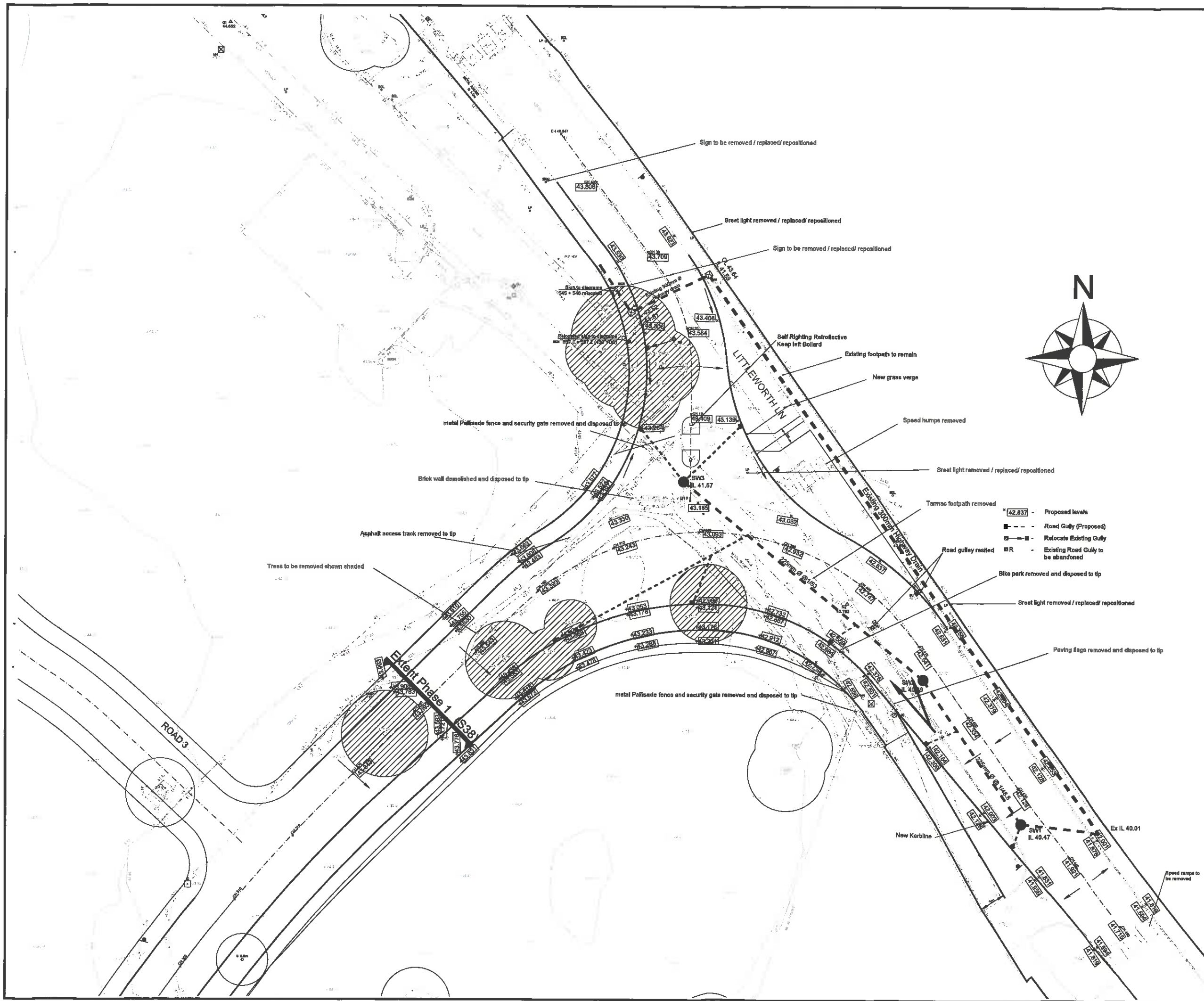
Project
Littleworth Lane, Lundwood, Bamsley

Title
Section 278
Levels and Drainage

Drawn	PH	Checked	ATK	Scale
Date	Sept 14	Date	Sept 14	1:200

Status
For Approval
Original Size
A1

Drawing No
10957-5001-06
Rev
K



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Design Risk

Hazard/Risk	Mitigation / Residual Risk
1. JOK (Risk-High)	JOK (Risk-Low)
2. JOK (Risk-High)	JOK (Risk-Low)
3. JOK (Risk-Mod)	JOK (Risk-Low)
4. JOK (Risk-Mod)	JOK (Risk-Low)
5. JOK (Risk-Mod)	JOK (Risk-Low)

Gang K

Adrian W

SP

WPCD

B	21/01/15	TV	Key & notes for arrows amended.	BS
A	14/01/15	TV	Sign 557.1+557.2 amended.	BS
Rev	Date	Drawn	Description	Checked



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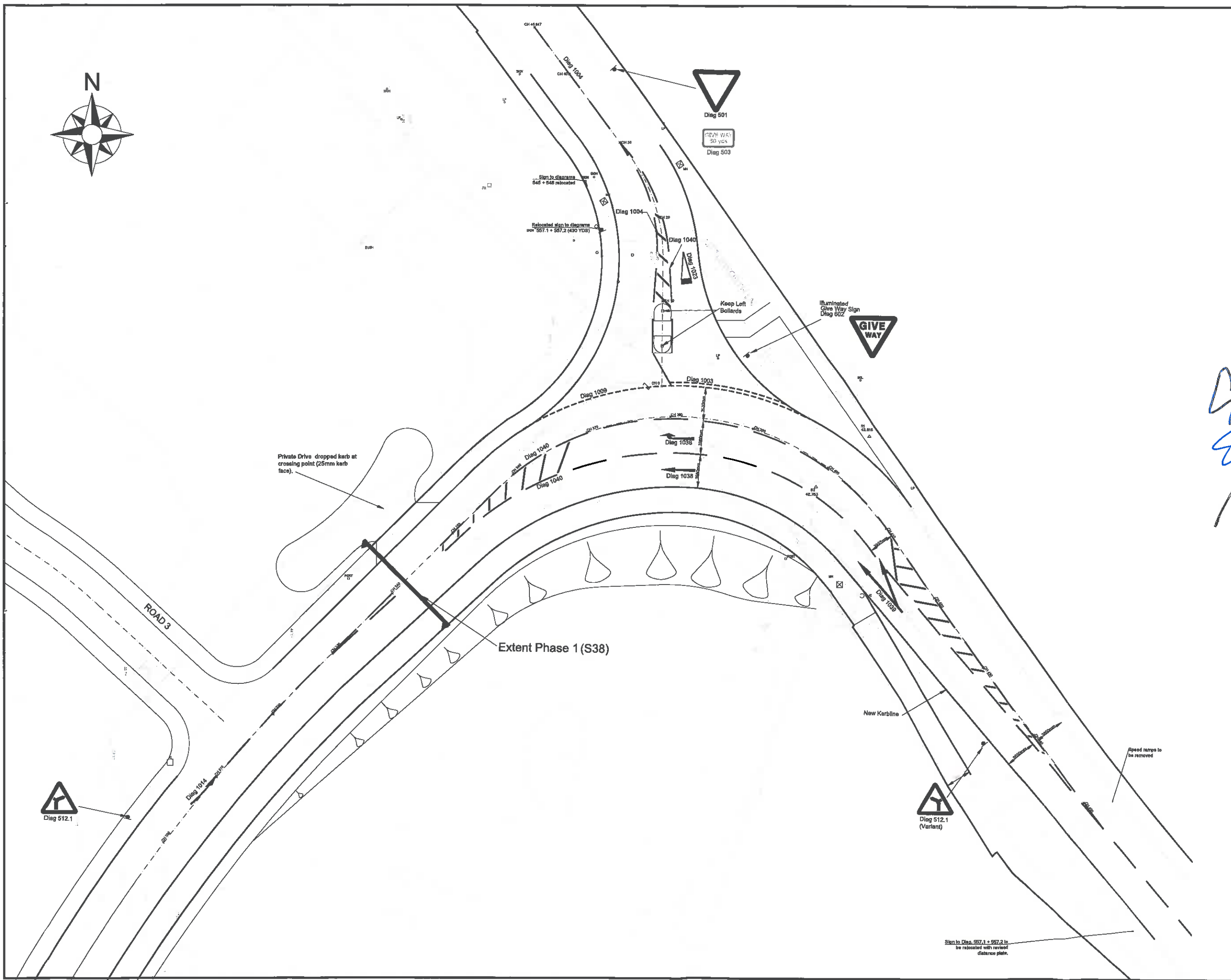
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Client
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Project
Littleworth Lane, Lundwood,
Barnsley

Title
Section 278
Site Clearance

Drawn	PJG	Checked	ATK	Scale	1:200
Date	Sept 14	Date	Sept 14		
Status	For Approval			Original Size	A1
Drawing No	10957-5001-07			Rev	B



- Gary
 [Signature]
 Richard [Signature]
 [Signature]
 [Signature]

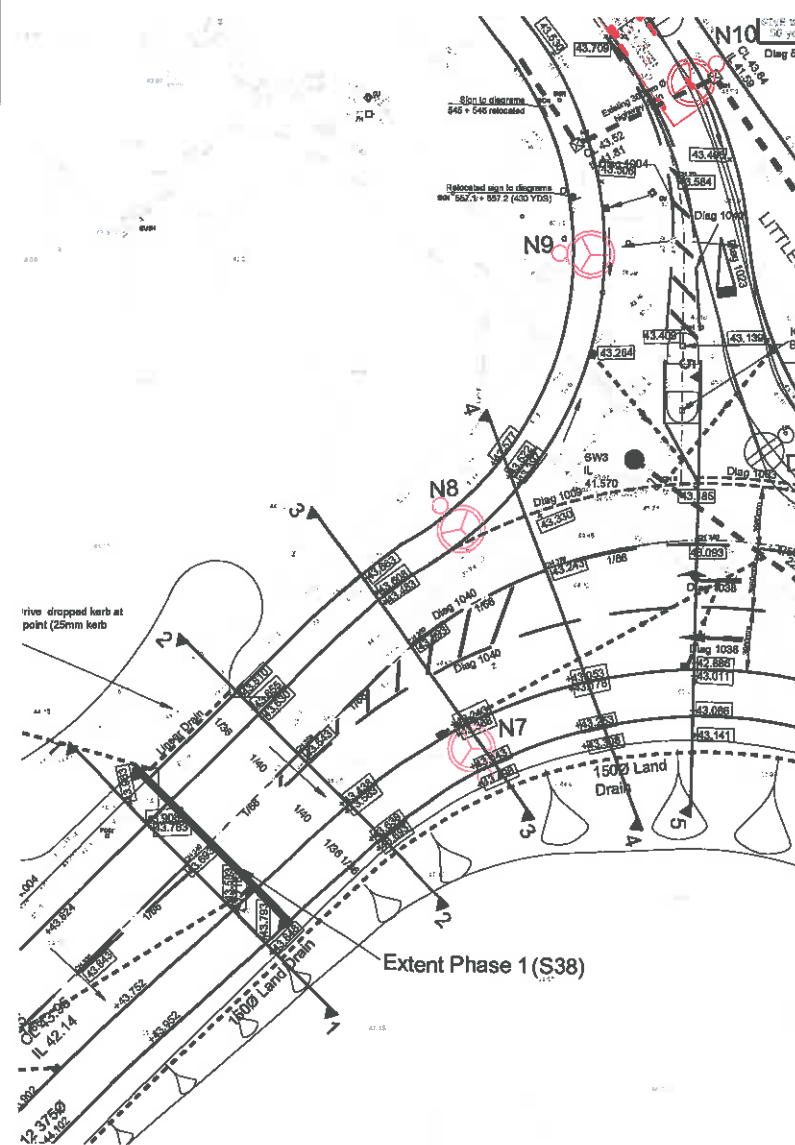
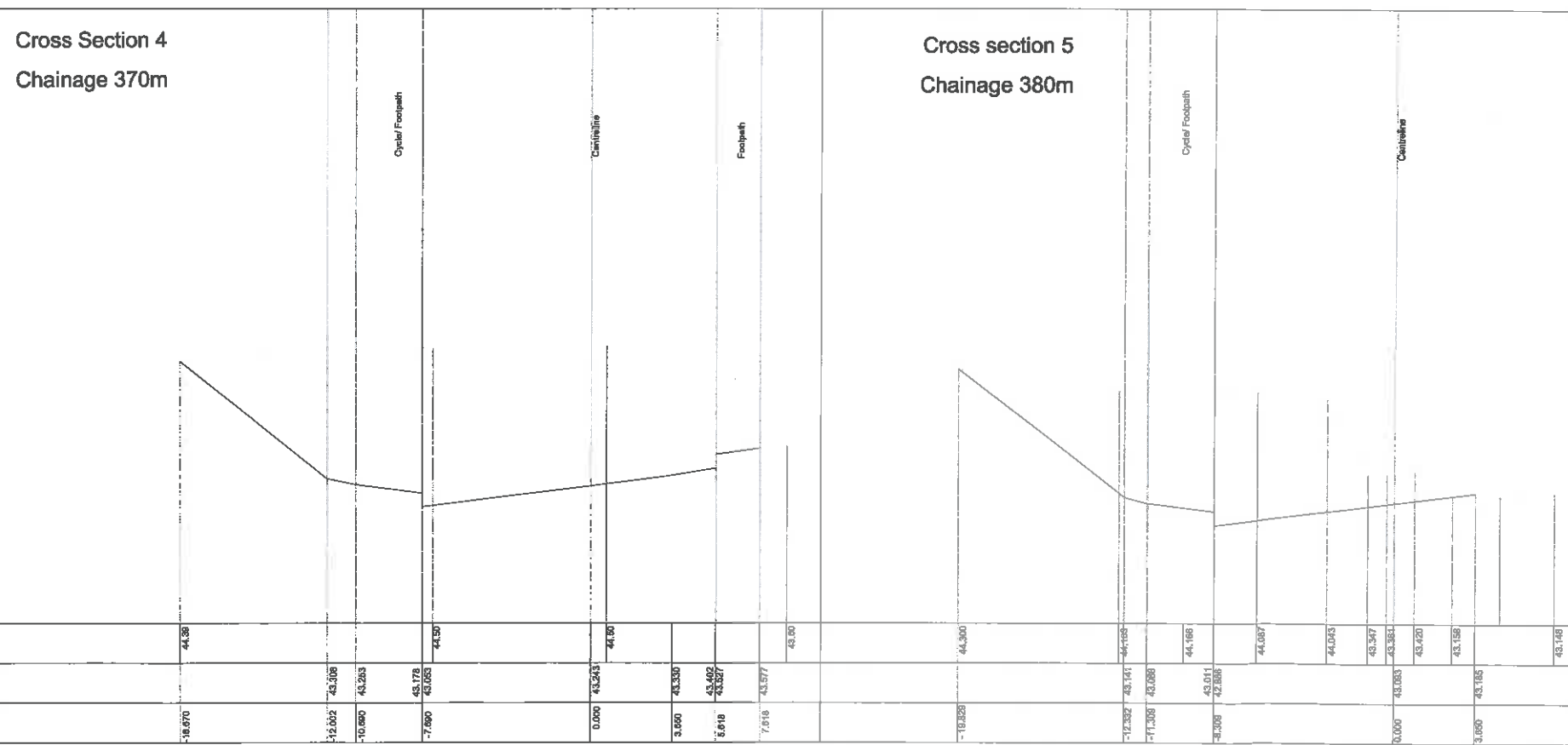
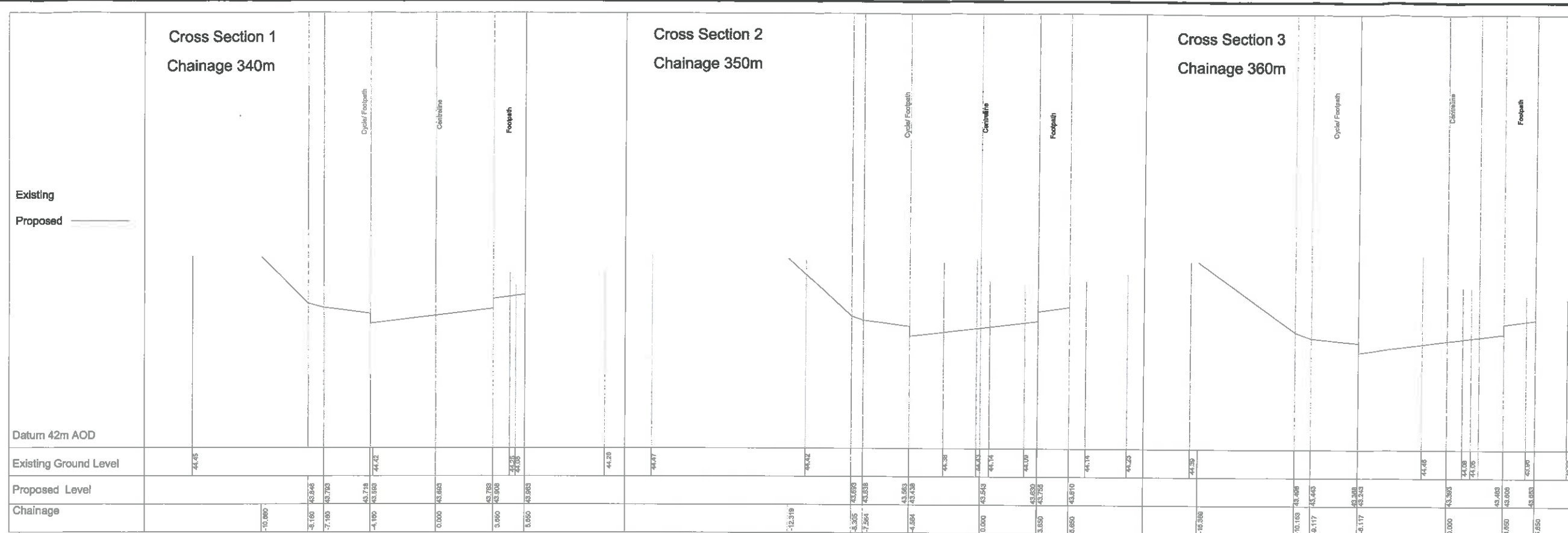
Rev	Date	Drawn	Description	Chk'd
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Project	Littleworth Lane, Lundwood, Barnsley
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Title	Section 278 White Lining and Signing
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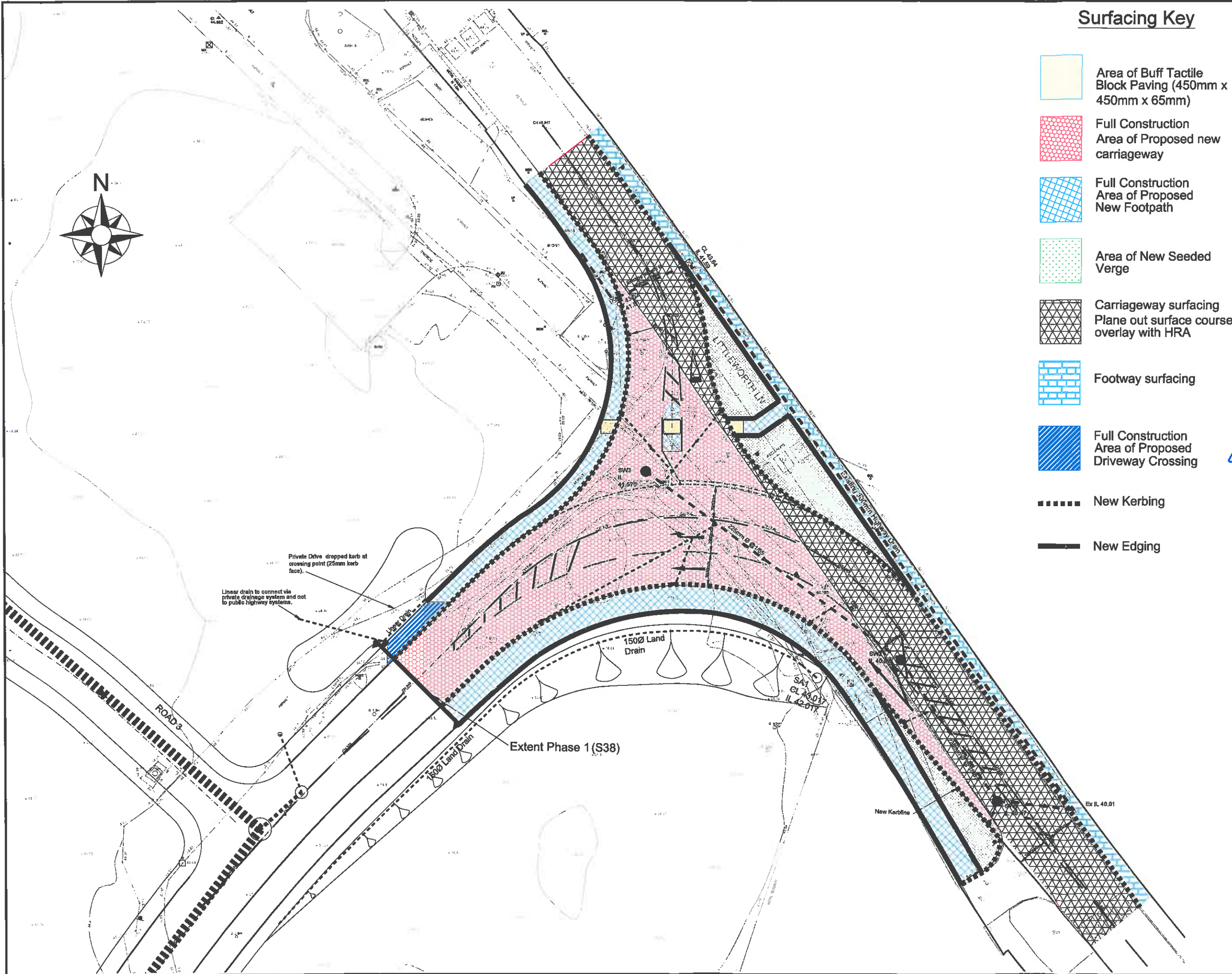
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Date	Sept 14	Date	Sept 14	
Studies For Approval				Original Size A1
Drawing No 10957-5001-08				Rev F



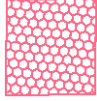
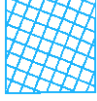
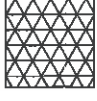
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Samuel
Michael

D	12.05.15	TC	Littleworth Lane junction	BJS
C	11.06.15	TC	Full proposed layout to 25m at Barnsley MEC request	BS
B	20.01.16	TV	Levels revised	BS
A	15.01.16	TV	Levels revised	BS
Rev	Date	Drawn	Description	Drawn
Met Engineers Ltd Southgate House Portland Road Stourton, Leeds West Yorkshire LS10 1SW				
Client:			Harron Homes Limited	
Project:			Littleworth Lane, Lundwood, Barnsley	
Title:			Section 278 Cross Sections (1 of 2)	
Drawn	TV	Checked	BS	Scale
Date	Jan 2014	Date	Jan 2014	1:100, V: 100
Status	For Approval			Original Size
Drawing No	10957-5001-09			Rev
				D



Surfacing Key

-  Area of Buff Tactile Block Paving (450mm x 450mm x 65mm)
-  Full Construction Area of Proposed new carriageway
-  Full Construction Area of Proposed New Footpath
-  Area of New Seeded Verge
-  Carriageway surfacing Plane out surface course overlay with HRA
-  Footway surfacing
-  Full Construction Area of Proposed Driveway Crossing
-  New Kerbing
-  New Edging

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Design Risk

[Handwritten signatures]

Rev	Date	Drawn	Description	Chkd
E	12.05.15	TC	Littleworth Lane Junction road reverted back to 25m at Bamsley MBC request. Give way Triangle relocated.	BJS
D	08.05.14	TC	Kerbline to Littleworth Lane amended to reflect Road Safety Audit. Driveway crossing hatch added to key and indicated on the drawing. HWS relocated.	BJS
C	20.01.14	TV	Footway & Carriageway surfacing amended. Kerbing & Edging amended.	-
B	14.01.14	TV	Area of new seeded verge amended.	-
A	03.11.14	TC	New Kerb alignment, white lining amended, Surfacing extent amended to suit.	-



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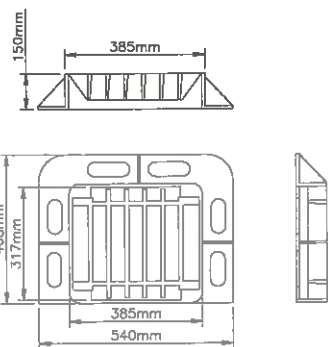
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Client Harron Homes Limited

Project Littleworth Lane, Lundwood, Bamsley

Title Section 278 Surfacing Plan

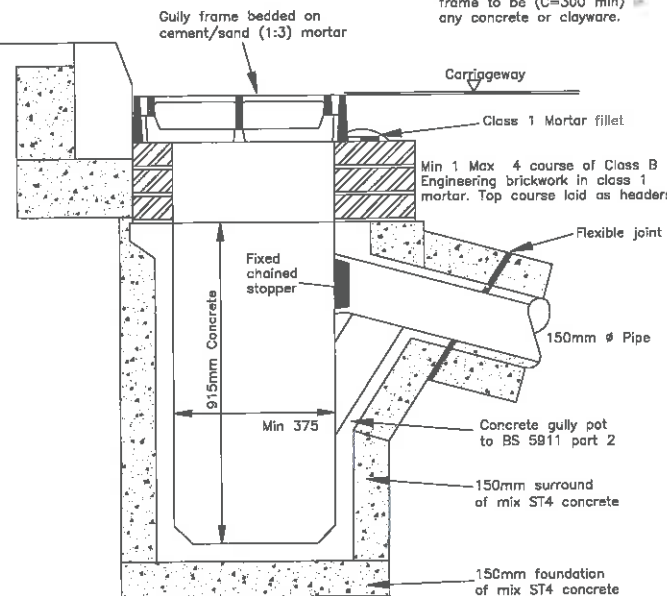
Drawn	PH	Checked	ATK	Scale
Date	Sept 14	Date	Sept 14	1:200
Status	For Approval			Original Size A1
Drawing No	10957-5001-10			Rev E



Gully Grating and Frame

Gully Grating to be heavy duty and comply with BS EN 124

Minimum clear opening between gully pot and gully frame to be (C=300 min) any concrete or clayware.



Road Gully Details

Not to Scale

Notes

- Gully gratings and frames shall comply with the requirements of BS EN124

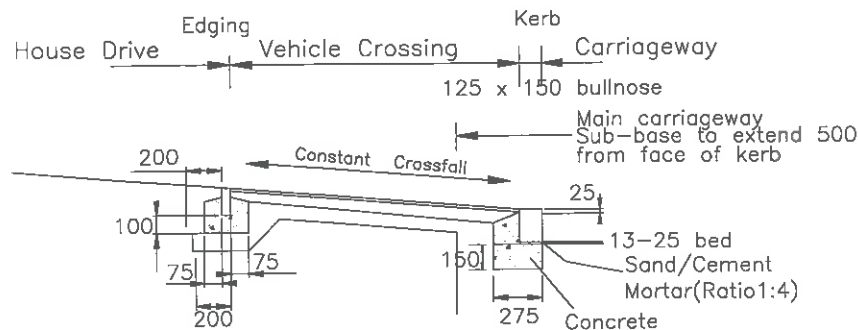
The following items will be required:

Gully Grating and Frame Class D400 manufactured in Ductile Iron and complying with the following requirements:

- Gratings shall be single piece with an anti theft captive hinge and shall be hinged against the direction of traffic flow.
- Gratings shall have a longitudinal centre bar arrangement.
- Gratings shall have a minimum waterway area of 830 sq cm.
- Gratings shall have a 100mm deep frame.
- Gratings and frame shall be coated with black bitumen.
- Gratings and frames shall be suitable for city and estate road application.

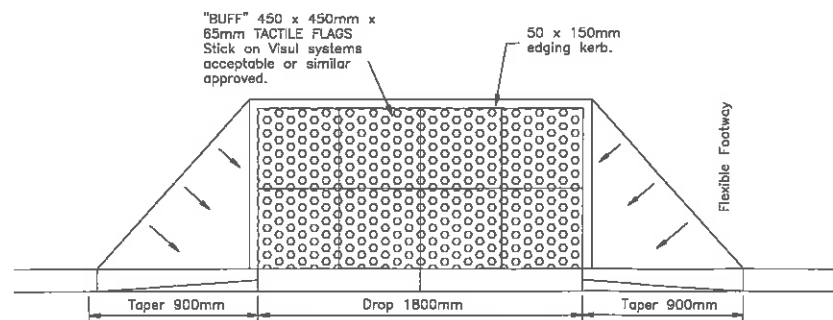
- Gully gratings and frames are to be set +0 or -6mm below the designed finished road level.

- Gully gratings and frames must be located centrally over the gully pot
- Localised dish of the surfacing around the ironwork is not permitted.
- All setting of Ironwork to Clause 571 AR of the Specification for Highway Works Part II Series 500.



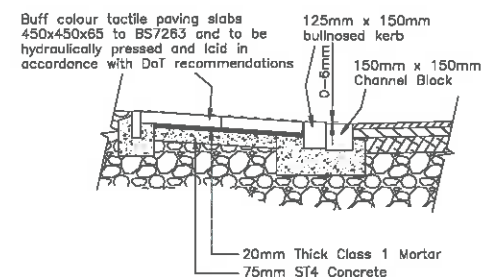
Vehicular Crossing Detail (All Dimension in mm)

Scale 1:20



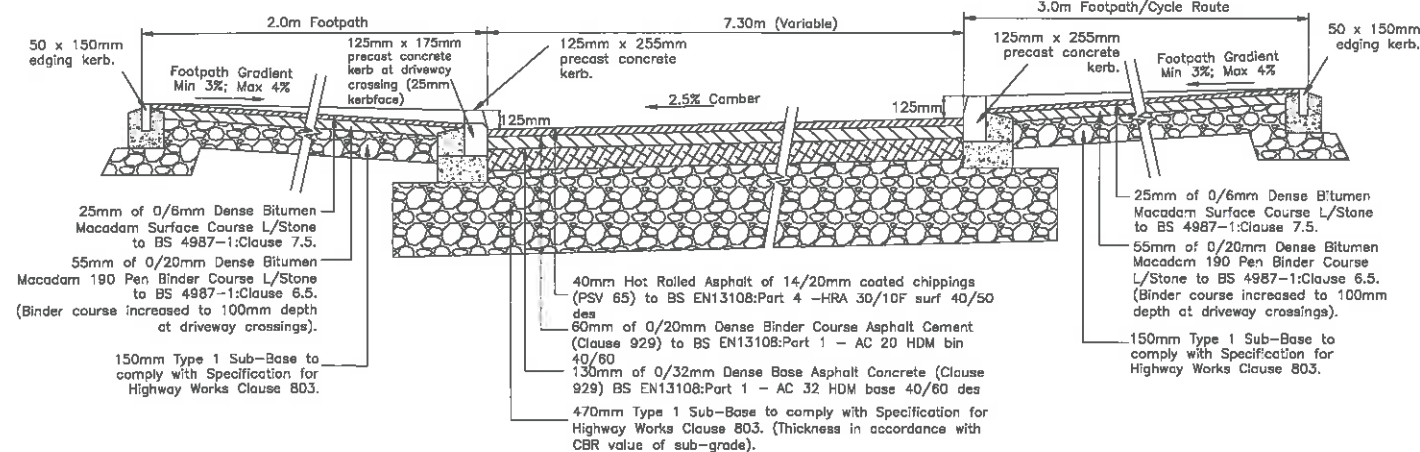
Pedestrian Tactile Crossing Detail

Scale 1:20



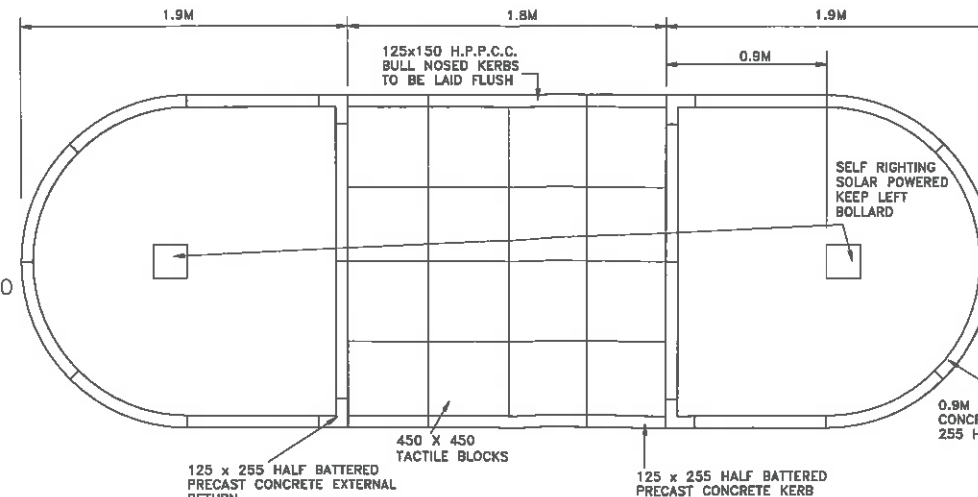
Pedestrian Tactile Section

Scale 1:20

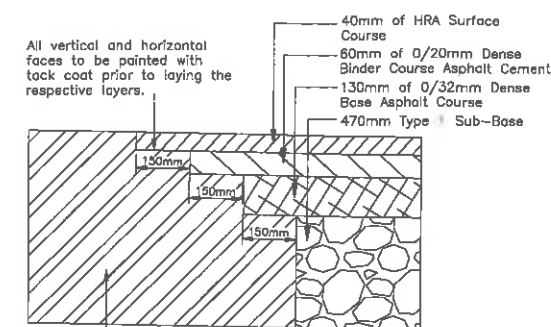


Typical Section

Scale 1:20

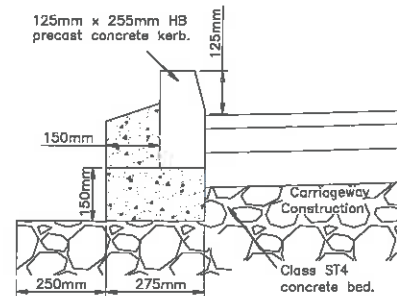


PEDESTRIAN REFUGE



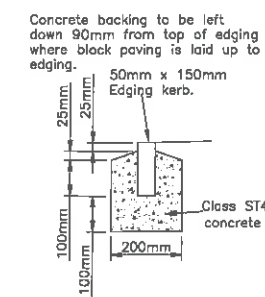
Tie In Detail

N.T.S.



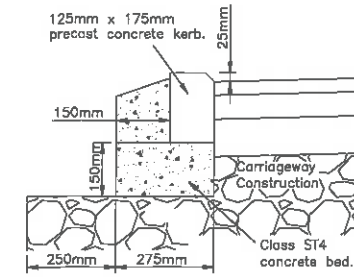
Full Kerb Detail

Scale 1:10



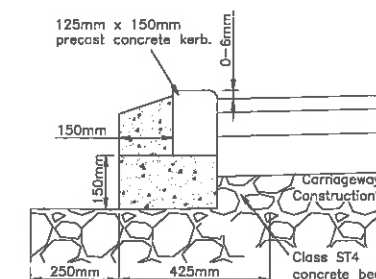
Edging Kerb Detail

Scale 1:10



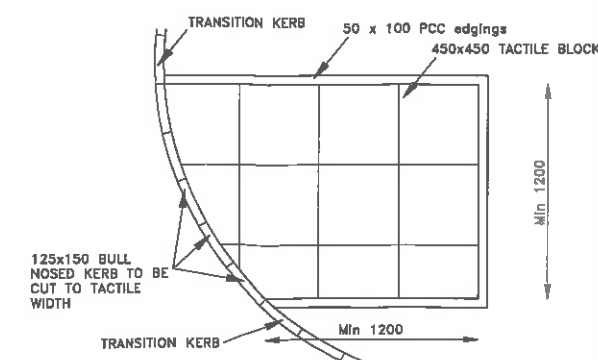
Kerb Detail

Scale 1:10



Bullnose Kerb Detail

Scale 1:10



TACTILE PAVING ON A RADIUS

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Rev	Date	Drawn	Description	Checked
E	07/06/2015	TC	Road specification amended to reflect new asphalt 7-1. Tie in detail updated to suit.	BB
D	24/03/2015	TC	Notation to kerb at driveway crossing added. Full kerb also amended. Blinder course at vehicular crossing notation added. Road material amended to reflect meeting with Secondary Highways.	BB
C	17/02/2015	AA	Pedestrian Refuge amended.	BB
B	20/01/2015	TV	Bollards amended.	BB
A	09/01/2015	TV	Tactile Paving Detail amended.	BB



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Client: Harron Homes Limited

Project: Littleworth Lane, Lundwood, Barnsley

Title: Standard Highway Construction Details

Drawn: TV Checked: BB Scale: As Stated

Date: Dec 2014 Date: -

Status: For Approval Original Size: A1

Drawing No: 10957-5001-16 Rev: E

