Appendix 1

Drawing Produced To Architects Drawing No. ARCHDWG

NOTES

DESIGNERS CDM NOTE

THERE ARE NO SUBSTANTIAL RESIDUAL RISK ITEMS IDENTIFIED

GENERAL NOTES

1. All dimensions in millimetres and levels in metres
2. This drawing is to be read in conjunction with the relevant Architect/Engineer's drawings, specifications and CDM documentation
3. This drawings has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
4. This drawing contains coloured lines / information that may not be clear if printed / reproduced in monochrome

KEY

All diagrams to be in accordance with the Traffic Signs Regulations and General Directions and subsequent amendments.

WHITE LINING KEY

1. Diagram 1055.1 according to TSRGD.
2. Give Way Line (Diag 1003) - 0.6m line, 0.3m space, 0.2m wide & 0.3m offset
3. Edge of carriageway at junction (Diag 1009) - 0.6m line, 0.3m space & 0.1m wide
4. 5 No. Warning lines (Diag 1004) - 4m line, 2m space & 0.1m wide
5. Give Way Triangle (Diagram 1023.A of TSRGD.)
6. 'New Road Layout Ahead' sign to diagram 7014. Text (x- height) 50mm with 600mm plate height. *Sign plate and post to be removed after 3 months.*
7. Externally illuminated 600mm diameter '30 & 40 *maximum speed limit' to diagram 670 to be mounted back-to-back.*
8. *'Side Road Ahead' sign to Diag. 506.1 of TSRGD (750mm high) on a yellow backing board. Side road shown on the left hand side of the sign.*
9. Diagram 1040 according to TSRGD.
10. Diagram 1040.2 according to TSRGD.
11. Diagram 1008 according to TSRGD. 2m line, 4m gap.
12. *'Side Road Ahead' sign to Diag. 506.1 of TSRGD (750mm high) on a yellow backing board. Side road shown on the right hand side of the sign.*
13. *'Traffic Signals Ahead' sign to Diag. 543 of TSRGD. Sing plate and post to be removed after 3 months.*
14. *Unsegregate route for use by pedal cycles and pedestrians' sign (450mm diameter) to Diag. 956 of TSRGD.*
15. *'Cyclist dismount' sign to Diag. 966 of TSRGD.*
16. *'Edge of Carriageway' road markings. Diagram 1012.1 according to TSRGD.*

Red Tactile Paving (Controlled Crossing)

Buff Tactile Paving (Uncontrolled Crossing)

Corduroy Paving

Site boundary

Notes:

1. All traffic signs to be located at the back of the footway or with a minimum offset of 0.6m where a footway isn't proposed.
2. All traffic signs to have a mounting height of 2.1m.
3. All existing repeater signs to be removed

Existing Street Light

OXFORDSHIRE COUNTY COUNCIL STREET LIGHTING SPECIFICATIONS

Column: 5m 'Marcus' tubular steel Force 5 Lower column (BS EN 40,3/2004)(Type 2 pg HD25/13/01) (TSR/SL/SP/2014/06) complete with flush door Galvanised and coating factor for Oxfordshire as Specified in PD3041/ 2389 are to be used as a range of lighting systems

Bracket: Post top mounted at 0° uplift
Finish: Black Polyester Powder Coat Brown RAL 8014
Luminaire: Vision Pro 1 NA,CE,W 30lm/W (1 upm Pts. 4013
Lamp: 39 Watt 2H,CE 4000K Colour temperature
Ballast: Philips Advance Electronic Ballast Type IC set at 35 / 16 Lux
Fire set to dim to 50%between 10.00pm to 5.00am

Column: 5m tubular steel column (BS EN 40,3/2004)(Type 2 pg HD25/13/01) suitable for post top mounted lantern. Galvanised and coating factor for Oxfordshire as specified in PD3041/2389 the range of lighting systems

Bracket: Post top mounted at 0° uplift
Finish: Black Polyester Powder Coat Brown RAL 8014
Luminaire: Vision Pro 1 NA,CE,W 30lm/W (1 upm Pts. 4013
Lamp: 39 Watt 2H,CE 4000K Colour temperature
Ballast: Philips Advance Electronic Ballast Type IC set at 35 / 16 Lux
Fire set to dim to 50%between 10.00pm to 5.00am

Column finish: **EPS Compliant Epoxy Polyethylene Amended Oxfordshire County Council Specification.**
Specification for Lighting Columns, Bracket Arms & Crash Zone Oxfordshire amended Appendix 16/3. Upon Additional overall costs to be applied to shop to a clean degreased, lightly abraded dry surface
1st Coat: Epoxy Primer Undercoat **Minimum Dry Film Thickness 5 & External overall**
Item 12.3. Epoxide 2 Pack Extended Cure Epoxy MIO, ref 36-270. Admiro Sorap, Minimum Dry Film Thickness 100 microns.
2nd Coat: Epoxide Gloss Finish Undercoat Minimum Dry Film
Epoxide Gloss 2 Gloss Pentaseal 12 Part Epoxy, ref 79-488. Drumhollow Spray, Minimum Dry Film Thickness 200 microns.
3rd Coat: Epoxide Gloss Finish
Epoxide Gloss 100.12 Anti Polychrome Finish FAI, 16/12 (or other specified colour) 200 - Mac Conventional Spray, Minimum Dry Film Thickness 75 microns.

Additional notes:

1. Columns to be sited at the rear of footpath and within adoptable area
2. Positions are approximate. The Local Authority Engineer reserves the rights to alter positions to suit site conditions.
3. All equipment shall comply with the Oxfordshire County Council General Technical Specification.
4. The Contractor shall obtain samples of the paint and technical Data Sheets from the Oxfordshire County Council Technical Services Office.
5. In order to avoid the developer, DCC will mark out all of the column positions.
6. All Street Lighting works must be carried out by a Highway Electrical Association Registered Contractor.
7. All columns to be numbered near entrance door groundlevel.
8. Electrical Supply to Street Lighting (Columns and Illuminated Signs are to be serviced / owned by the Distribution Network Operator (i.e. Registered Electricity Company).
9. Prior to the Distribution Network Operator connection of supply, it is to be quoted in all correspondence.
10. No trees are to be planted within two metres of any column.
11. Columns in vulnerable positions to have a column barrier protection system ref HD12/2004.

N.B. Touch up or ink using 2 Part paints applied by brush will never offer the same appearance as that of a spray applied finish. For this reason every effort should be made to minimize handling/ transportation damage.

Street Lighting to be adopted by
OXFORDSHIRE COUNTY COUNCIL

Rev	Drawn by	CHK'd by	Comments	Date
T5	MB	SW	Updated in line with OCC's comments.	09/05/17
T4	MB	SW	Traffic sign details amended including addition of sign 15.	21/04/17
T3	MB	SW	Updated to take account of safety audit.	21/03/17
T2	RFW	SW	Sign Details Amended.	14/03/17
T1	RFW	SW	Updated For Technical Approval.	10/03/17

CLIENT

PYE

TITLE

Street Lighting, Road Signs and Road Markings Sheet 1 Land to the East of Portway Cottages East Hendred Oxfordshire

SCALE
1:250@A0

0m 6.25m 12.5m
scale bar @ 1:250

DATE	DESIGNED BY	PROJECT NO.
January 2017	MB	4229

DRAWING NUMBER	REV.
4229-GDL-XX-HW-DR-C-004	T5

Gemma Design Limited
Consulting Civil & Structural Engineers
Lea View House, Two Rivers Estate, Station Lane, Witney, Oxon, OX28 4LD
Tel: Witney (01993) 705522/771544
E-mail: info@gemma-design.co.uk
Web: www.gemma-design.co.uk

STATUS	PURPOSE OF ISSUE
S4	TECHNICAL APPROVAL

OXFORDSHIRE COUNTY COUNCIL

TECHNICAL AUDIT CERTIFICATE

SCHEME: Land East of Portway Cottages, East Hendred

CONSULTANT: Gemma Design

DEVELOPER: Pye Homes

DRAWINGS AUDITED

- **4229-GDL-XX-D-DR-C-001-T1 Surface Water Catchment Areas**
- **4229-GDL-XX-D-DR-C-002 Drainage Layout**
- **4229-GDL-XX-D-DR-C-008-T1 route of surface water ditch**
- **4229-GDL-XX-D-DR-C-009 Drainage Schedules**
- **4229-GDL-XX-HW-DR-C-019 Section S38 Legal Plan**
- **4229-GDL-XX-HW-DR-C-031 Adoptable Road Construction Details Sheet 1**
- **4229-GDL-XX-HW-DR-C-032 Adoptable Road Construction Details Sheet 2**
- **4229-GDL-XX-HW-DR-C-035-T1 Adoptable Road Long sections**
- **4229-GDL-XX-HW-DR-C-036-T1 Adoptable Road Long sections**
- **4229-GDL-XX-HW-DR-C-045 Swept Path Analysis Refuse vehicle**
- **4229-GDL-XX-HW-DR-C-046-T1 Swept Path Analysis Fire appliance**
- **4229-GDL-XX-L-DR-C-001 Level Layout**
- **4229-GDL-XX-SF-DR-C-003 Surface Finishes**
- **4229-GDL-XX-UL-DR-C-060-T2 Combined Services Layout**

Certificate Number: 558
Date: 05.06.17

Circulation
Developers
Consultant

File 10.2.199.8.199.8

OXFORDSHIRE COUNTY COUNCIL
ENVIRONMENT & ECONOMY
www.oxfordshire.gov.uk

OXFORDSHIRE COUNTY COUNCIL

TECHNICAL AUDIT CERTIFICATE

SCHEME: Reading Road, East Hendred

CONSULTANT: Gemma Design

DEVELOPER: Pye Homes

DRAWINGS AUDITED

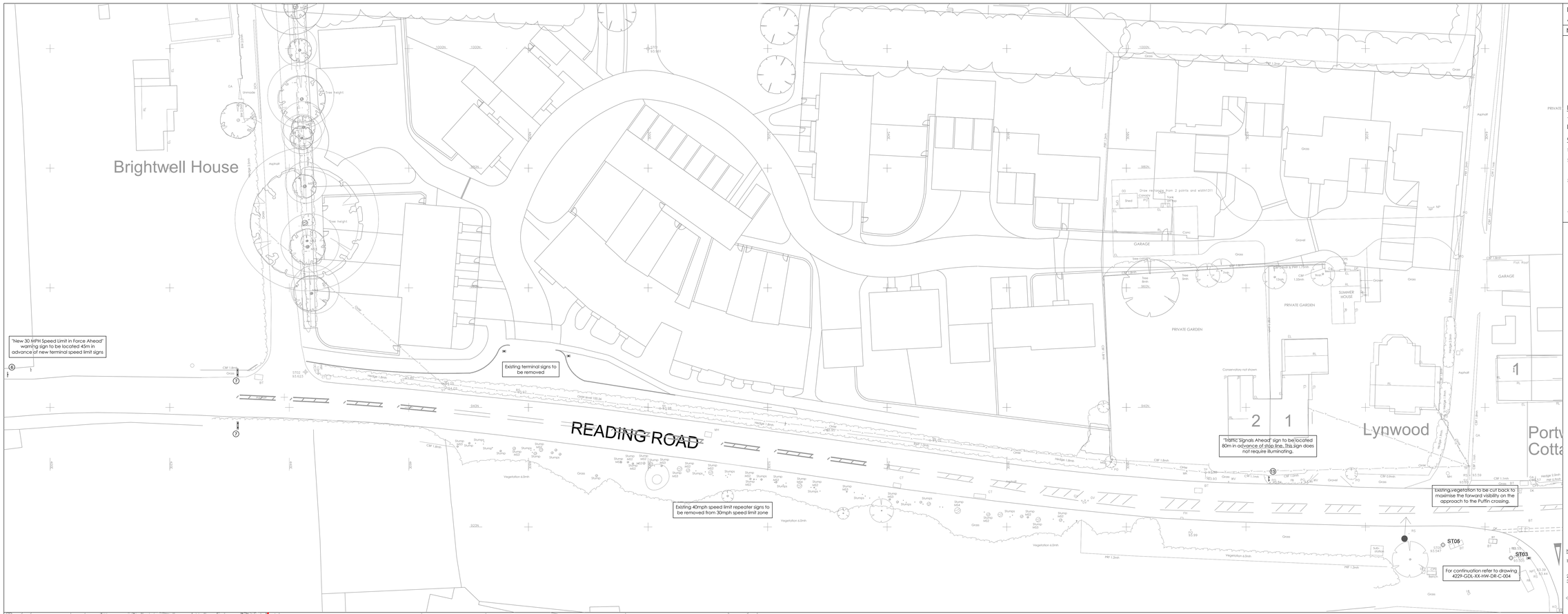
- **4229-GDL-XX-HW-DR-C-004 Street Lighting, Road Signs and Road Markings Sheet 1**
- **4229-GDL-XX-HW-DR-C-007 Street Lighting, Road Signs and Road Markings Sheet 2**
- **4229-GDL-XX-HW-DR-C-018 Section S278 Legal Plan**
- **4229-GDL-XX-HW-DR-C-031 Adoptable Road Construction Details Sheet 1**
- **4229-GDL-XX-HW-DR-C-032 Adoptable Road Construction Details Sheet 2**

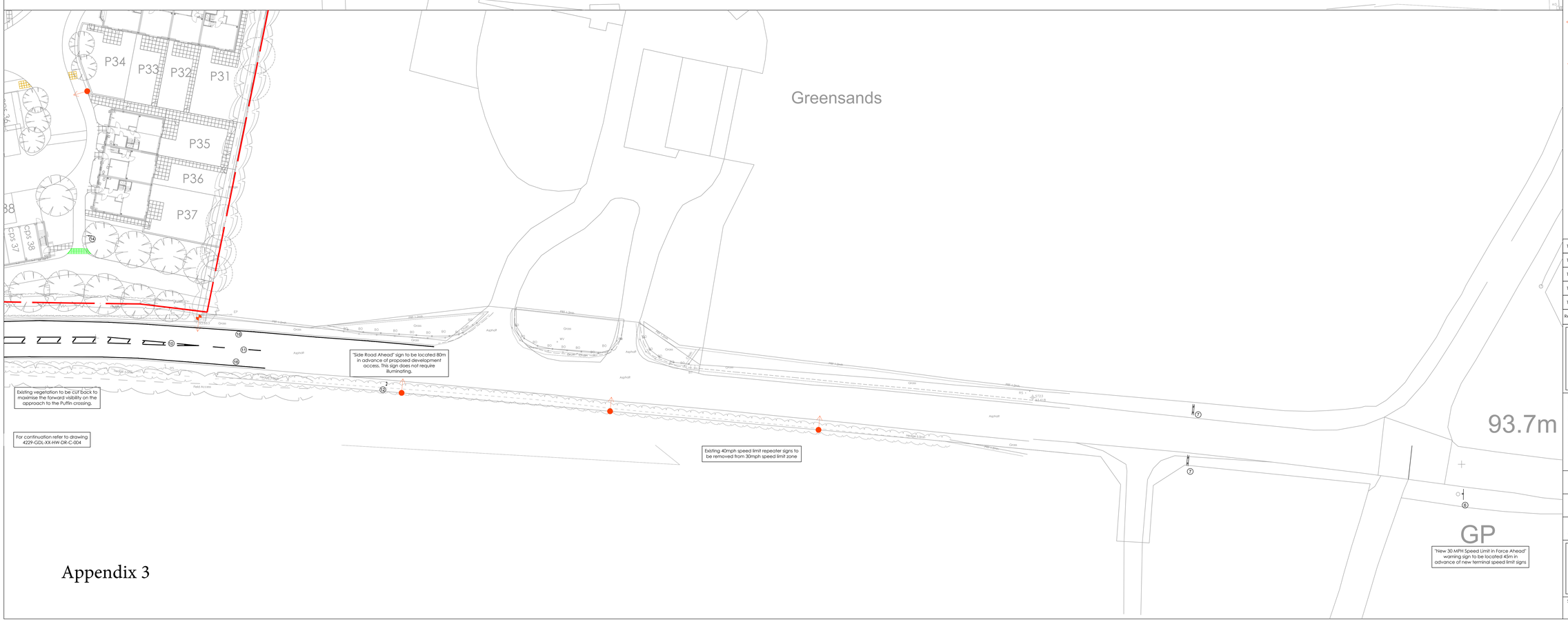
Certificate Number: 557
Date: 05.06.17

Circulation
Developers
Consultant

File 10.2.199.7

OXFORDSHIRE COUNTY COUNCIL
ENVIRONMENT & ECONOMY
www.oxfordshire.gov.uk





Appendix 3

Drawing Produced To Architects Drawing No. ARCHDWG

NOTES

DESIGNERS CDM NOTE

THERE ARE NO SUBSTANTIAL RESIDUAL RISK ITEMS IDENTIFIED

GENERAL NOTES

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KEY

All diagrams to be in accordance with the Traffic Signs Regulations and General Directions and subsequent amendments.

WHITE LINING KEY

1. Diagram 1055.1 according to TSRGD.
2. Give Way Line (Diag 1003) - 0.6m line, 0.3m space. 0.2m wide & 0.3m offset
3. Edge of carriageway at junction (Diag 1009) - 0.6m line, 0.3m space & 0.1m wide
4. 5 No. Warning lines (Diag 1004) - 4m line, 2m space & 0.1m wide
5. Give Way Triangle (Diagram 1023.A of TSRGD.)
6. New 30 mph Speed Limit into Force sign to diagram 7014. Text (x- height) 50mm with 600mm plate height. Sign plate and post to be removed after 3 months.
7. Externally illuminated 600mm diameter '30 & 40 maximum speed limit' to diagram 670 to be mounted back-to-back.
8. 'Side Road Ahead' sign to Diag. 506.1 of TSRGD (750mm high) on a yellow backing board. Side road shown on the left hand side of the sign.
9. Diagram 1040 according to TSRGD.
10. Diagram 1040.2 according to TSRGD.
11. Diagram 1008 according to TSRGD. 2m line, 4m gap.
12. 'Side Road Ahead' sign to Diag. 506.1 of TSRGD (750mm high) on a yellow backing board. Side road shown on the right hand side of the sign.
13. 'Traffic Signals Ahead' sign to Diag. 543 of TSRGD. Sing plate and post to be removed after 3 months.
14. Unsegregate route for use by pedal cycles and pedestrians' sign (450mm diameter) to Diag. 956 of TSRGD.
15. 'Cyclist dismount' sign to Diag. 966 of TSRGD.
16. 'Edge of Carriageway' road markings. Diagram 1012.1 according to TSRGD.

Red Tactile Paving (Controlled Crossing)

Buff Tactile Paving (Uncontrolled Crossing)

Corduroy Paving

Site boundary

Notes:

1. All traffic signs to be located at the back of the footway or with a minimum offset of 0.6m where a footway isn't proposed.
2. All traffic signs to have a mounting height of 2.1m.
3. All existing repeater signs to be removed

Existing Street Light

OXFORDSHIRE COUNTY COUNCIL STREET LIGHTING SPECIFICATIONS

Column: Sir Walter Adalet Joint Peter & Lower column (BS EN 40:2004/2010) (Ref. 3 Key VISOR? DATA 2 TO BE SUPPLIED FROM) complete with Burn out Fuse Extended Gear Tray (Ref. 10 Key Fuse Holder as Cavotec or FCD61/C200 are to be used as a design of lighting column)

Bracket: Post top mounted at 0° uplift
Lantern: CR Mini Vector 60 Flat Glass (Ref. 4 Key Lamp PIN, 001)
Lamp: CR Mini 24 LED 4000K Colour Temperature (Ref. 5 Key Lamp PIN, 001)
Lamp: CR Mini 24 LED 4000K Colour Temperature
Ballast: One piece photocell Helvar 2 pin Low Carbon Super IS set at 25 / 10 Lux
Fine tune dim to 50%(between 10.00pm to 6.00am)

Column: Sir Walter Adalet Joint Peter & Lower column (BS EN 40:2004/2010) (Ref. 3 Key VISOR? DATA 2 TO BE SUPPLIED FROM) suitable for post top mounted lantern. Rationalised and loading Radial for Oxfordshire as specified in FCD61/C200 for design of lighting columns

Bracket: Post top mounted at 0° uplift
Lantern: CR Mini Vector 60 Flat Glass (Ref. 4 Key Lamp PIN, 001)
Lamp: CR Mini 24 LED 4000K Colour Temperature (Ref. 5 Key Lamp PIN, 001)
Lamp: CR Mini 24 LED 4000K Colour Temperature
Ballast: One piece photocell Helvar 2 pin Low Carbon Super IS set at 25 / 10 Lux
Fine tune dim to 50%(between 10.00pm to 6.00am)

Column finish: **CTS (Compliant, Epoxy) (Polyolefines Amended Oxfordshire County Council Specification**
CTS Specification for Lighting Columns. Standard Amo-2 Grain Zinc Oxfordshire standard Aqueous. CCS. Cross Additional overall coats to be applied in ship in a clean organised, tights abrasion dry surface.
1st Coat: **Internal coat to 200mm above ground level & Ed dismal overall**
Nero 121, Carapidur 2 Pack Extended Cure Epoxy MIO, ref 80-171 Airless Spray, Minimum Dry Film Thickness 75 microns
2nd Coat: **External coat to 200mm above ground level**
Decorlite Optima 2 Gloss Pentimerol 2Pack Epoxy, ref 79-MB Brush/Airless Spray, Minimum Dry Film Thickness 200 microns
3rd Coat: **External overall**
Decorlite Decor 250 2 Pack Polyolefines Finish PAL, RF 5 (or other specified colour) 250 Aec Conventional Spray, Minimum Dry Film Thickness 75microns

Additional notes:

1. Column is to be sited at the rear of footpath and within adoptable area.
2. Column positions shown on the Local Authority Engineer reviews the rights to alter positions depending on site conditions.
3. All equipment shall comply with the Oxfordshire County Council General Technical Specification.
4. Contact the Local Authority Engineer and the Technical Clerk Centre from the Manufacturers prior to commencement of work.
5. In order to assist the developer, OCC will mark out all of the column positions.
6. All electrical lighting work must be carried out by a Highway Electrical Association Registered Contractor.
7. All columns to be numbered two metres from ground level.
8. Lighting Columns, Lanterns and Ancillary Equipment Signs are to be serviced / owned by the local Distribution Network Operator (i.e. Regional Electricity Company).
9. The 'A Sin reference number' which is on the drawing, is to be quoted in all correspondence relating to the lighting column and its ancillary equipment.
10. Column in vulnerable positions to have a column barrier protection system see HSD/120A.

NB: Touch up on site using 2 Pack paints applied by brush will never offer the same appearance as that of a spray applied finish. For this reason every effort should be made to minimise handling/ transportation damage.

Street Lighting to be adopted by
OXFORDSHIRE COUNTY COUNCIL

Rev	Drawn by	Chk'd by	Comments	Date
T6	MB	SW	Minor changes at request of OCC.	22/05/17
T5	MB	SW	Updated in line with OCC's comments.	09/05/17
T4	MB	SW	Traffic sign details amended including addition of sign 15.	21/04/17
T3	MB	SW	Updated to take account of safety audit.	21/03/17
T2	RPW	SW	Sign Details Amended.	14/03/17

CLIENT

PYE

TITLE

Street Lighting, Road Signs and Road Markings Sheet 2
Land to the East of Portway Cottages
East Hendred
Oxfordshire

SCALE
1:250@A0

0m 6.25m 12.5m
scale bar @ 1:250

DATE	DESIGNED BY	PROJECT NO.
January 2017	MB	4229

DRAWING NUMBER	REV.
4229-GDL-XX-HW-DR-C-007	T6

Gemma Design Limited
Consulting Civil & Structural Engineers
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GEMMA DESIGN

STATUS	PURPOSE OF ISSUE
S4	TECHNICAL APPROVAL