

**MALDON DISTRICT
LOCAL HIGHWAYS PANEL
MEETING – 26 JUNE 2015
Council Chamber, Princes Road, Maldon – at 9.00AM**

Membership:

Essex County Council – Councillors R L Bass (Chairman), R G Boyce MBE and Mrs P A Channer
Maldon District Council – Councillors M W Helm, J V Keyes, Mrs B D Harker, Miss M R Lewis,
R Pratt (Vice-Chairman), Mrs M E Thompson

AGENDA

1. Apologies for absence.
2. Election of Chairman for the ensuing municipal year.
3. Election of Vice-Chairman for the ensuing municipal year.
4. Minutes of last meeting held on 13 March 2015 (copy enclosed).



FINAL Minutes
130315.pdf

5. Matters Arising from Minutes of the Previous Meeting:
 - (i) Minute 3 - Highways Pilot Enforcement Project Update
 - (ii) Minute 4 – Approved Works Programme 14/15 – Items 16,17, & 23 Updated Status Report (copy enclosed).



Agenda Item 5.i -
Maldon District LHP - I

6. Approved Works Programme (copy enclosed).



Agenda Item 6 -
Maldon District LHP - ,

7. Potential Schemes List 2015/ 16 (copy enclosed).



Agenda Item 7 -
Maldon District LHP - I

8. Scheme Feasibility/Design/Briefing Notes (copy enclosed).



Agenda Item 8 - Maldon District LHP - I
Agenda Item 8 - Maldon District LHP - I

9. Items requested by Panel Members. Councillor R G Boyce has requested the following:

- (i) Waiting restrictions in Marine Parade, Maylandsea;
- (ii) Extension of 30mph speed limit – South Street, Tillingham.

10. Meeting dates for the ensuing municipal year.

11. Any other Urgent Business.

Enquiries to: Stuart Jennings, Committee Services Manager/Highways Liaison Officer - tel 01621 875745 or email stuart.jennings@maldon.gov.uk or Helen Overton – tel 01621 875706 or email helen.overton@maldon.gov.uk

Jon Simmons - Essex County Council Customer Liaison Team – tel 0845 603 7631 or email jon.simmons@essex.gov.uk.

HIGHWAYS PILOT ENFORCEMENT PROJECT - MALDON

Local Highway Panel Update – June 2015

In the first instance any problems relating to the highway should be reported in the normal way via the channels below; if required they will be referred to the Enforcement team:

Highway.enquiries@essex.gov.uk

or online <http://www.essexhighways.org/Report-a-problem.aspx>

The pilot project has been running since 24 November 2014 and will continue until the end of September. A paper will be submitted to ECC in July to review the project with consideration as to whether to extend the project.

Highway Enforcement Policy

- The Highways Authority Enforcement Policy has now been signed off by Cabinet and is available online.

The Highways Enforcement Policy provides a framework under which enforcement cases can be consistently prioritised whilst providing a document to the public that gives them an expectation of how ECC will approach enforcement. This policy will also address potential criticism from courts regarding lack of policy and processes if enforcement action results in court action.

Ditches and Land Drainage

- The Highway Authority Enforcement Policy deals with enforcement under the Highways Act 1980. In terms of effectively enforcing drainage issues this act is limited in terms of what the Highway Authority can achieve, for example under the Highways Act we cannot undertake works and recharge the costs of these to the landowner, unless there is obstruction to a ECC laid 'drain'.
- However, the Land Drainage Act 1991 affords an effective tool to enforce drainage issues, at the present time the powers sit with the Flood Authority; not the Highway Authority. After liaison with the Flood Management Team we recently secured a delegation to use these powers. This in effect means we are able to look to recharge any costs if we undertake works in default if the landowner does not clear their ditch. This will further cement a close working relationship with the Flood Management team due to the required liaison necessary for any formal enforcement under this delegation.
- It should be noted that formal enforcement can only be considered where harm is being caused to the highway (where it is causing flooding to the highway). In instances where a blocked ditch is noted (that is not causing a flooding issue) we will educate landowners to their responsibilities under "riparian ownership"

Partnership Working

- We continue to develop good working relationships with other teams in ECC including other Highways teams and the Flood Management Team, especially important as some of the drainage issues we encounter will have overlap. We have also met with Maldon District Council to discuss some of their outstanding issues and agreed to work together where

possible. We have recently liaised regarding issues related to Hedgerow Regulations and a “nuisance” issue reported to them.

- We have delivered training to all Maintenance Highway Inspectors highlighting legal aspects of enforcement work to ensure their defects and observations record relevant aspects required for potential court action.
- Recently we have made contact with the National Farmers Union and are awaiting contact from the East Anglian representative to discuss promotion of the Enforcement teams work with their members. We will also be presenting at the next Maldon Parish Clerks Forum on 14th July, where again we hope to engage with the Parish Councils to promote our works. We see these relationships as key to progressing successful enforcement.
- We have recently been working with Mundon Parish Council in support of their Parish ditch initiative (the Parish Council has issued advice letters to all Parishioners with ditches advising them of their maintenance responsibilities) as a result we are following up on two sites in Mundon which suffer regular flooding in order to liaise with landowners to ensure works are undertaken (10 landowners)

Actions

- A new enforcement case officer started with the team on 16 June, it is envisaged that his arrival will enable our current case load to rise significantly. He also brings practical drainage experience to the team.
- We have been taking on enforcement cases since the end of January, and as we are now in the peak growing season there have been more vegetation issues to deal with. Following liaison with landowners our experience has shown that there is a general consensus of wanting to comply. However, there are genuine concerns raised over the bird nesting season which have to be accommodated (one current vegetation case is on hold while nesting birds are present)
- At the start of the pilot project, we had 37 historic outstanding vegetation defects logged on Confirm. Work has been carried out to verify these defects and these have been cleared – unsurprisingly as we are in the peak growing season there has been a recent surge in vegetation defects (currently 27 live vegetation defects for the Maldon area of which 25 were raised in June and currently being dealt with by the inspectors before being passed to the enforcement team if needed)
- Cases involving drainage issues continue, however we are now entering a period that is sensitive for ditch maintenance, as some ditches contain protected species, have adjacent hedges with nesting birds or are part of farm stewardship schemes. (ditch work is normally September – March)

Current Cases

These are all at various stages of investigation. Whilst some cases appear straightforward, some are more complex and will require further research and involve multiple landowners.

Obstruction issues – 6 cases

Vegetation issues – 1 case

Blocked ditches - 7 cases ongoing involving 21 landowners

Encroachment – 1 case (fence being erected on highway)

Completed Cases

- To date we have seen 484 metres of ditch cleared and 2 culverts unblocked by various landowners.
We have commitments from 10 further landowners to undertake work to their ditches in the autumn, Diary entries have been made to ensure follow up to the commitments made to carry out works. Our informal liaison approach has seen positive responses from landowners.
 - 165 metres of vegetation cut back, with 19 metres of dead hedging removed, and 107 metres of Public Right of Way cleared of vegetation by various landowners.
 - Dead and leaning tree felled by the landowner.
 - 5 obstructions (outside one property) removed from the highway verge.

Liaison and education will always be the preferred approach, all efforts will be made with landowners to bring about compliance, whatever the issue - court action will remain a last resort. With drainage issues, education tools such as the Guide to Ordinary Watercourse Maintenance booklet are routinely used to advise and educate landowners of responsibilities.

Maldon District Local Highways Panel - Approved Works Programme (May 2015)

| | | |
|------------|-----------|-----------|
| Scheme Key | Completed | Cancelled |
|------------|-----------|-----------|

| Ref. No. | Task Name | Parish | Finish | CMA approval date | Cost Code | Scheme Type | Works Description | Allocated Budget | Comments |
|---------------------------------|--|-------------------|----------|-------------------|------------|----------------------|--|------------------|--|
| 2013/14 Approved Schemes | | | | | | | | | |
| 1 | Braxted Park Road j/w Maldon Road, Great Braxted | Great Braxted | Sep 2015 | 08/04/2013 | LMAL002017 | Traffic Management | Verge works to improve sight lines | £20,000 | |
| 2 | Walden House Rd B1022, Gt Totham | Great Totham | Jan 2016 | 22/04/2013 | LMAL002022 | Traffic Management | Construction of Lay-by | £30,000 | Design of lay-by requires removal/replacement of hedge, liaison ongoing with Councillors/Parish. |
| 3 | Mill Lane junction leading to Anchorage Hill, Maldon | Maldon | Jul 2015 | 22/04/2013 | LMAL004003 | Cycling | Cycling Infrastructure Improvements | £15,000 | |
| 4 | Maldon/Heybridge - 6 locations | Maldon | On Hold | 22/04/2013 | LMAL004004 | Cycling | Cycling Signage Improvements | £34,750 | March Panel instructed that this scheme was cancelled. For the information of the Panel see Outline Designs in Feasibility & Design Reports. |
| 5 | High Street (opp clock tower) | Burnham on Crouch | Jan 2015 | 25/06/2013 | LMAL135002 | Bus Stop Improvement | Bus Stop Improvements | £26,000 | |
| 6 | Wycke Hill, Maldon | Maldon | Sep 2015 | 29/10/2013 | LMAL003004 | Traffic Management | Following feasibility Study - Works Pedestrian Refuge Island | £16,000 | Was 05/2015 change due to potential adjacent development |
| 2014/15 Approved Schemes | | | | | | | | | |
| 7 | Viking Road/Dorset Road/Wordsworth Road | Maldon | Nov 2015 | 15/04/2014 | LMAL142003 | Traffic Management | Verge improvements to prevent parking on verges | £23,000 | Was 07/2015, Three month enforcement update in Feasibility & Design Reports |
| 8 | jjjjj | Asheldham | Sep 2015 | 15/04/2014 | LMAL142004 | Traffic Management | Asheldham bends improvements - detailed design works | £6,000 | Draft designs available in Feasibility & Designs Report |
| 9 | Fambridge Road, Maldon (Limebrook Way Rab to Royal Oak PH) | Maldon | TBC | 15/04/2014 | LMAL142006 | Traffic Management | Detailed design of footpath | £6,000 | Possible development in vicinity of scheme - scheme On Hold |
| 10 | Maypole Road, Heybridge | Heybridge | Dec 2015 | 15/04/2014 | LMAL142008 | Traffic Management | Drainage improvement scheme - Verge reconstruction, bollards, kerbing | £50,000 | Scheme report available in Feasibility & Designs |
| 11 | B1026 Goldhanger Road, Heybridge Near Spicketts Brook | Heybridge | Jan 2016 | 15/04/2014 | LMAL142002 | Traffic Management | Drainage improvement scheme - Verge reconstruction, bollards, kerbing | £50,000 | Was 04/2015, see report in Feasibility & Designs reports. |
| 12 | Roundbush Road, Purleigh (Bend at Lower Barn Farm) | Purleigh | Feb 2015 | 15/04/2014 | LMAL142009 | Traffic Management | Bend improvements - signing | £3,500 | |
| 13 | Bridge nr Drapers Chase, Goldhanger Road, Heybridge | Heybridge | Jan 2016 | 15/04/2014 | LMAL142010 | Traffic Management | Drainage improvement scheme - investigation/clearing vegetation | £4,000 | Now linked to LMAL142002 |
| 14 | Maypole Road Wickham Bishops - Opp Gun Farm and nr Captains Wood Road | Great Totham | Jan 2016 | 15/04/2014 | LMAL142012 | Traffic Management | Drainage improvement scheme - investigation/clearing vegetation | £4,000 | Drainage improvements now carried out by Maintenance Team (ditch clearance, grip cutting). Suggestion to cancel scheme. |
| 15 | Maypole Road, Great Totham Opp Langford Park | Great Totham | Jan 2016 | 15/04/2014 | LMAL142013 | Traffic Management | Drainage improvement scheme - investigation/clearing vegetation | £4,000 | Drainage improvements now carried out by Maintenance Team (ditch clearance, grip cutting). Suggestion to cancel scheme. |
| 16 | Charity Farm Bends, Maldon Road, Goldhanger | Goldhanger | Jan 2016 | 15/04/2014 | LMAL142014 | Traffic Management | Drainage improvement scheme - investigation/clearing vegetation | £4,000 | Drainage improvements now carried out by Maintenance Team (gullies have been jetted). Suggestion to cancel scheme. |
| 17 | B1010 Burnham on Crouch to Cold Norton | Cold Norton | Feb 2015 | 15/04/2014 | LMAL142015 | Traffic Management | Technical review of route (with speed surveys) and Signage works | £18,500 | |
| 18 | Head Street, Goldhanger | Goldhanger | Feb 2015 | 15/04/2014 | LMAL145001 | Bus Stop Improvement | Two bus cages | £1,500 | |
| 19 | King Street/Queens Avenue, Maldon | Maldon | Jan 2016 | 25/06/2014 | LMAL142029 | Traffic Management | Implementation of 20 mph speed limit | £12,000 | Brought forward from 02/2016 |
| 20 | B1022 Maldon Road Great Totham | Great Totham | May 2016 | 25/06/2014 | LMAL142022 | Traffic Management | Implementation of Phase 2 of walkable verge | £22,000 | Was 06/2015, issues around walkable verge and culvert now resolved |
| 21 | Tolleshunt D'Arcy Road, Tolleshunt Major | Tolleshunt Major | Jul 2015 | 25/06/2014 | LMAL142018 | Traffic Management | Scheme to pipe 20 m section of ditch to improve pedestrian safety to Recreation Ground | £7,500 | |
| 22 | Tolleshunt D'Arcy Village Hall, Tollesbury Road, Tolleshunt D'Arcy | Tolleshunt D'Arcy | May 2015 | 25/06/2014 | LMAL142026 | Traffic Management | Scheme to sign car park near Village Hall | £1,000 | |
| 23 | B1021 Tillingham Road, Tillingham | Tillingham | Oct 2015 | 25/06/2014 | LMAL142020 | Traffic Management | Scheme to extend 30 mph speed limit needs speed survey and scheme to install additional bends signs/SLOW road markings | £4,210 | Brought forward 01/2016 |
| 24 | Maldon Road (the Grange to Beacons Chase) Bradwell on Sea | Bradwell on Sea | Oct 2015 | 25/06/2014 | LMAL142035 | Traffic Management | Scheme for 30mph speed limit between junction with B1021 and Delameres Farm and Give Way sign | £9,000 | Brought forward 01/2017 |
| 25 | Midguard Way, Maldon | Maldon | Mar 2015 | 25/06/2014 | LMAL142068 | Traffic Management | Guard rail to prevent pedestrian/cyclist conflict | £600 | |
| 26 | Bridleway 8, Purleigh | Purleigh | Mar 2016 | 25/06/2014 | LMAL148002 | Public Right of Way | Drainage/surface improvements for 1100m | £30,000 | |
| 27 | Oak Roundabout, A414 Chelmsford Road j/w Maldon Road, Woodham Mortimer | Woodham Mortimer | Jan 2015 | 17/12/2014 | LMAL142063 | Traffic Management | Works - Four Lane destination signage at Oak Roundabout, to support recent dedicated left turn lane road markings | £3,500 | |
| 28 | Woodham Road, opposite Poorhouse Wood, Stow Maries | Stow Maries | May 2015 | 17/12/2014 | LMAL142073 | Traffic Management | Works - Replacement of existing 40mph Vehicle Activated Sign face with 30 mph face, following change in speed limit under Speed Limit Review | £6,000 | |
| 2015/16 Approved Schemes | | | | | | | | | |
| 29 | 2016/17 Casualty Reduction Scheme reports | Maldon | Mar 2016 | 25/03/2015 | LMAL151001 | Safer Roads | To produce 2016/17 casualty reduction reports | £16,000 | New scheme on Programme |
| 30 | A414 Spital Road | Maldon | Nov 2015 | 25/03/2015 | LMAL151002 | Safer Roads | To improve signage/bollards/cut back vegetation | £13,000 | New scheme on Programme |
| 31 | Lower Burnham Road nr Ulehams Farm | Latchingdon | Jul 2015 | 25/03/2015 | LMAL151003 | Safer Roads | To improve signage, road studs, clear vegetation | £14,000 | New scheme on Programme |
| 32 | Lower Burnham Road 600m west of j/w Rectory Lane | Latchingdon | Aug 2015 | 25/03/2015 | LMAL151004 | Safer Roads | Feasibility study to alleviate danger posed by adjacent road side pond | £4,000 | New scheme on Programme |
| 33 | Woodham Road junction with Lower Burnham Road | South Woodham | Feb 2016 | 25/03/2015 | LMAL151005 | Safer Roads | To improve signage, junction, traffic islands | £32,000 | New scheme on Programme |
| 34 | Southminster Road junction with Daisy Farm Road | Southminster | Jun 2015 | 25/03/2015 | LMAL151006 | Safer Roads | To improve signage, sight lines, cut back vegetation | £7,000 | New scheme on Programme |
| 35 | Beckingham Road junction with Festival Gardens | Tolleshunt D'Arcy | Feb 2016 | 25/03/2015 | LMAL151007 | Safer Roads | To improve the junction safety | £3,000 | New scheme on Programme |
| 36 | Steeple Road junction with Grange Avenue - study into junction improvements and possible RAB | Mayland | Aug 2015 | 25/03/2015 | LMAL152001 | Traffic Management | Feasibility study into junction improvements and possible RAB | £10,000 | New scheme on Programme |
| 37 | Fish Street - 20mph speed limit | Goldhanger | May 2016 | 25/03/2015 | LMAL152002 | Traffic Management | To reduce the speed limit to 20mph, will require a CMA | £5,000 | New scheme on Programme |
| 38 | Braxted Park Road - VAS | Great Braxted | Mar 2016 | 25/03/2015 | LMAL152003 | Traffic Management | To install a VAS near the entrance to Braxted Park Estate, will require a CMA | £8,500 | New scheme on Programme |
| 39 | Walden House Road - Creation of lay-by | Great Totham | Jan 2016 | 25/03/2015 | LMAL152004 | Traffic Management | Works to formalise parking on verge with lay-by | £25,000 | New scheme on Programme |

Maldon District Local Highways Panel - Approved Works Programme (May 2015)

| Ref. No. | Task Name | Parish | Finish | CMA approval date | Cost Code | Scheme Type | Works Description | Allocated Budget | Comments |
|---|--|-------------------|----------|-------------------|------------|------------------------|--|------------------|---|
| 2015/16 Approved Schemes (Continued) | | | | | | | | | |
| 40 | Basin Road - Pedestrians in Road signage | Heybridge | Feb 2016 | 25/03/2015 | LMAL152005 | Traffic Management | Scheme to remove existing column/bend warning sign and replace with new column/pedestrian in Road sign with external illumination | £8,000 | New scheme on Programme |
| 41 | Burnham Road - VAS | Latchingdon | Mar 2016 | 25/03/2015 | LMAL152006 | Traffic Management | To install a VAS on Burnham Road, will require a CMA | £8,500 | New scheme on Programme |
| 42 | Kelvedon Road/Beacon Hill - Study to look at measures to stop vehicle over-run | Little Braxted | Sep 2015 | 25/03/2015 | LMAL152007 | Traffic Management | Feasibility study to consider measures to prevent vehicle over-run | £3,000 | New scheme on Programme |
| 43 | Village Hall, Steeple Road - Study to look at improved signage on approaches to Village Hall | Mayland | Sep 2015 | 25/03/2015 | LMAL152008 | Traffic Management | Feasibility study to consider measures to improve signage at approaches to Village Hall, entrance obscured | £3,000 | New scheme on Programme |
| 44 | Burnham Road junction with Maldon Road - Improvements to advanced give-way signage | Mundon | Jan 2016 | 25/03/2015 | LMAL152009 | Traffic Management | Improvements to advanced give-way signage at A1 Corner | £3,000 | New scheme on Programme |
| 45 | Fambridge Road (Lower Burnham Road to Rectory Road) - Study into provision of footway | North Fambridge | Aug 2015 | 25/03/2015 | LMAL152010 | Traffic Management | Feasibility Study to consider provision of new footway/walkable verge | £5,000 | New scheme on Programme |
| 46 | The Avenue - Study into widening of footway | North Fambridge | Aug 2015 | 25/03/2015 | LMAL152011 | Traffic Management | Feasibility Study into widening of footway | £3,000 | New scheme on Programme |
| 47 | High Street/Station Road/North Street/Burnham Road - 20mph speed limit | Southminster | Apr 2016 | 25/03/2015 | LMAL152012 | Traffic Management | To reduce speed limit to 20mph, will require a CMA | £10,000 | New scheme on Programme |
| 48 | Main Road - improvements to traffic calming | St Lawrence | Mar 2016 | 25/03/2015 | LMAL152013 | Traffic Management | Installation of solar lighting at existing priority working | £10,500 | New scheme on Programme |
| 49 | Chapel Lane (Nr Four Elms/Glebelands - Study into carriageway improvements | Stow Maries | Sep 2015 | 25/03/2015 | LMAL152015 | Traffic Management | Feasibility study into carriageway improvements to address drainage issues as properties at lower level to carriageway | £3,000 | New scheme on Programme |
| 50 | North Street/South Street - Study into 20mph speed limit/traffic management improvements | Tillingham | Sep 2015 | 25/03/2015 | LMAL152016 | Traffic Management | Feasibility Study into 20mph speed limit/traffic management improvements | £3,000 | New scheme on Programme |
| 51 | Church Street - dropped kerbs | Tollesbury | Mar 2016 | 25/03/2015 | LMAL152017 | Traffic Management | Dropped kerbs to improve access to bus stop | £6,500 | New scheme on Programme |
| 52 | Parish Rooms Church Street - Study into improved access/surfacing | Tollesbury | Oct 2015 | 25/03/2015 | LMAL152018 | Traffic Management | Feasibility Study into improved access/surfacing | £3,000 | New scheme on Programme |
| 53 | Loamy Hill Road/Plains Road - Study into improved signage to Business park | Tolleshunt Major | Sep 2015 | 25/03/2015 | LMAL152019 | Traffic Management | Feasibility Study into improved signage to Beckingham Business Park | £2,500 | New scheme on Programme |
| 54 | Beckingham Street/Tolleshunt D'Arcy Road - Study into junction improvements | Tolleshunt Major | Sep 2015 | 25/03/2015 | LMAL152020 | Traffic Management | Feasibility Study into junction improvements | £3,000 | New scheme on Programme |
| 55 | Tudwick Road - unsuitable for HGV signage | Tolleshunt Major | Jan 2016 | 25/03/2015 | LMAL152021 | Traffic Management | Install unsuitable for HGV signage | £3,000 | New scheme on Programme |
| 56 | Maldon Road nr Does Corner - Study into drainage improvements | Ulting | Oct 2015 | 25/03/2015 | LMAL152022 | Traffic Management | Feasibility Study into drainage improvements | £3,000 | New scheme on Programme |
| 57 | Crouchmans Farm Road - Study into drainage improvements | Ulting | Oct 2015 | 25/03/2015 | LMAL152023 | Traffic Management | Feasibility Study into drainage improvements | £3,000 | New scheme on Programme |
| 58 | Station Road - Village nameplate | Wickham Bishops | Jan 2016 | 25/03/2015 | LMAL152024 | Traffic Management | To provide village nameplate at MDC/BDC boundary | £2,000 | New scheme on Programme |
| 59 | Witham Road/The Street/Maypole Road/Kelvedon Road/Beacon Hill - SID poles and SID | Wickham Bishops | Apr 2016 | 25/03/2015 | LMAL152025 | Traffic Management | To provide SID poles and SID, will require a CMA | £17,500 | New scheme on Programme |
| 60 | Mill Road - Bus Priority Improvements | Maldon | Dec 2015 | 25/03/2015 | LMAL152026 | Traffic Management | To improve the bus priority measures to prevent vehicles driving across adjacent forecourt to avoid restriction | £16,500 | New scheme on Programme |
| 61 | Randolph Close - new metal bus shelter | Maldon | TBC | 25/03/2015 | LMAL155001 | Bus Stop Improvement | To install new metal bus shelter | £5,500 | New scheme on Programme - Awaiting results of residents consultation ending 26/06/15. |
| 62 | War memorial - new wooden shelter | Great Totham | TBC | 25/03/2015 | LMAL155003 | Bus Stop Improvement | To provide new wooden shelter | £8,500 | New scheme on Programme - Awaiting results of residents consultation ending 02/07/15. |
| 63 | Washington Road - bus cage | Maldon | TBC | 25/03/2015 | LMAL155004 | Bus Stop Improvement | To provide bus cage | £2,500 | New scheme on Programme - Design completion due Aug 2015, installation to follow |
| 64 | The Drive - New wooden shelter | Mayland | TBC | 25/03/2015 | LMAL155005 | Bus Stop Improvement | To remove old metal shelter and replace with wooden shelter | £8,500 | New scheme on Programme - Design completion due Aug 2015, installation to follow |
| 65 | Burnham Road nr Vicarage Meadows - Bus cages | Southminster | TBC | 25/03/2015 | LMAL155006 | Bus Stop Improvement | To mark both bus stops with bus cages | £3,750 | New scheme on Programme - Awaiting results of residents consultation ending 03/07/15 |
| 66 | Snows Corner - formally mark bus stop with flag/pole | Wickham Bishops | TBC | 25/03/2015 | LMAL155007 | Bus Stop Improvement | To formally mark bus stop with flag/pole | £1,500 | New scheme on Programme - Waiting on feedback from Parish Council |
| 67 | Maldon Road nr Braxted Park Road - new bus hard standing | Little Braxted | Nov 2015 | 25/03/2015 | LMAL155011 | Bus Stop Improvement | To install bus hard standing as part of LHP verge improvement scheme LMAL002017 | £7,000 | New scheme on Programme |
| 68 | Tollesbury Primary School, East Street - SCP infrastructure | Tollesbury | Mar 2016 | 25/03/2015 | LMAL156001 | School Crossing Patrol | To install dropped kerbs/tactile paving/swap school sub-plate to patrol and clear vegetation | £4,000 | New scheme on Programme |
| 69 | Bridleway 25 - drainage/surface improvements | Tolleshunt D'Arcy | TBC | 25/03/2015 | LMAL158001 | Public Right of Way | To improve bridleway drainage/surface for 300m | £10,800 | New scheme on Programme - water leak still affecting PRoW needs to be rectified by Water Authority before improvement works can commence. |
| 70 | A414 Underpass - Lighting improvements | Heybridge | Jul 2015 | 25/03/2015 | LMAL158002 | Public Right of Way | Provision of two lights on structure of A414 Underpass, Heybridge | £5,000 | New scheme on Programme - Six to eight week lead in time for delivery of lighting units. Lights to be installed at same time as CCTV cameras. |
| Revenue Schemes | | | | | | | | | |
| 71 | Surveys | Various | Mar 2016 | 24/04/2015 | LMAL152033 | Traffic Management | Ad Hoc Survey Works - Automatic Traffic Counts/Degree of Pedestrian Conflict Surveys/Road Safety Assessments to feed into scheme validations | £10,000 | Monies being drawn down from pot to fund survey works |

MALDON DISTRICT LOCAL HIGHWAYS PANEL POTENTIAL SCHEMES LIST (Version 16)

From the schemes recommendations made by the Panel in 2014/15 schemes to the value of £368,000 have been re-profiled and are now being delivered in 2015/16. The Maldon District Local Highways Panel has a 2015/16 Capital Budget of £400,000 and at the March 2015 meeting the Panel made additional recommendations to create a pool of works from which schemes will be delivered to the value of their 2015/16 Capital Budget. Any schemes not delivered from the 2015/16 pool of works would then be re-profiled into 2016/17.

When considering the schemes on the Potential Scheme List, if the Panel wish to make any scheme recommendations from it they would be asked to prioritise which schemes on the Approved Works Programme can be slipped into 2016/17 to accommodate them.

On the Potential Schemes List Version 16 there are currently potential schemes with an estimated cost of £82,000 as shown in the summary below:

| Potential Schemes List (Version 16) | | |
|-------------------------------------|-------------|-----------------------|
| Scheme Type | Page number | Total Estimated Costs |
| Traffic Management | 2 to 7 | £74,500 |
| Passenger Transport | 8 | £4,500 |
| Public Rights of Way | 9 | £0 |
| Safer Roads | 10 | £3,000 |
| | | £82,000 |

On the Potential Schemes List the RAG column acknowledges the status of the scheme request as shown below:

| RAG Status | Description of RAG status |
|------------|---|
| G | A higher priority feasible scheme against strategic criteria |
| A | A lower priority feasible scheme against strategic criteria or may require additional Cabinet Member approval |
| R | A scheme which is against policy or where there is no appropriate engineering solution |
| TBC | A scheme pending validation |

**MALDON DISTRICT LOCAL HIGHWAYS PANEL
POTENTIAL SCHEMES LIST (Version 16)**

Maldon District Local Highways Panel - Potential Scheme List (Version 16)

Traffic Management

| | |
|-------------------------------|----------------|
| Total Value of schemes | £74,500 |
|-------------------------------|----------------|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme stage | Cost Code | Estimated cost | Comments | RAG |
|-----|--|--|---|----------------|-------------------|----------------|------------|----------------|---|-----|
| 1 | B1021 Southminster Road/Tillingam Road, Asheldham | Bend improvements | Narrow road, problems at bends when two goods vehicles try to pass each other | Parish Council | Asheldham | Implementation | LMAL142004 | TBC | Draft designs available in Feasibility/Designs Report | TBC |
| 2 | Waterside Road, Bradwell on Sea | Improved signage to prevent Goods Vehicles getting stuck | Road is a dead end with no turning facilities at end for Goods Vehicles | Parish Council | Bradwell on Sea | Total scheme | LMAL152041 | TBC | In validation | TBC |
| 3 | Marsh Road/Church Road/Southminster Road, Burnham on | 20 mph speed limit | Speed of traffic on road | Town Council | Burnham on Crouch | Total scheme | LMAL142019 | TBC | In validation | TBC |
| 4 | Southminster Road (Old Heath Road to Mangaps Manor) Burnham on Crouch | Walkable verge/footway | Lack of footway/walkable verge for pedestrians | Councillor | Burnham on Crouch | Total scheme | LMAL142037 | TBC | In validation | TBC |
| 5 | B1021 Church Road (Jw B1010 Maldon Road to j/w Marsh Road) Burnham on Crouch | Improved pedestrian crossing facilities | Lack of pedestrian crossing facilities to School | Councillor | Burnham on Crouch | Total scheme | LMAL152027 | £45,000 | Validation - Degree of pedestrian conflict survey carried out, (0.367 X 10^8) and meets criteria for a Zebra Crossing | G |
| 6 | B1010 Maldon Road, Burnham on Crouch | 30 mph speed roundel road markings to enhance existing speed limit | Speed of traffic | Town Council | Burnham on Crouch | Total scheme | LMAL142023 | TBC | In validation | TBC |
| 7 | Hackmans Lane, Cock Clarks | Extension of existing 30mph speed limit | Speed of traffic | Parish Council | Cock Clarks | Total scheme | LMAL152030 | TBC | In validation | TBC |

Maldon District Local Highways Panel - Potential Scheme List (Version 16)

| | |
|------------------------|---------|
| Total Value of schemes | £74,500 |
|------------------------|---------|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme stage | Cost Code | Estimated cost | Comments | RAG |
|-----|---|--|---|----------------|----------------|--------------|------------|----------------|--|-----|
| 8 | Hall Road j/w Maldon Road, Great Totham | Improved parking arrangements | Parked cars on approaches to junction cause obstruction | Councillor | Great Totham | Total scheme | LMAL142066 | NA | Validation - Junction protection parking restrictions would be down to the Parking Partnership. As such the request has been passed to them | R |
| 9 | B1022 Maldon Road, Great Totham | Traffic Management Improvements | Speed of traffic on road | Councillor | Great Totham | Total scheme | LMAL142067 | TBC | In validation - speed data under review | TBC |
| 10 | Lea Lane, Little Braxted | Extension of existing 30 mph speed limit | Speed of traffic | Parish Council | Little Braxted | Total scheme | LMAL142076 | TBC | In validation | TBC |
| 11 | Sunbury Way, Maldon | Traffic Management Improvements | Speed of traffic on access road to community hall | Town Council | Maldon | Total scheme | LMAL142057 | NA | Validation - Recorded speed data (7 day mean average) Eastbound 15.6mph & Westbound 16.3mph in 30 mph limit. Recorded speeds are low, with no pattern of accidents. Physical TMI could lead to noise/vibration issues. | R |

Maldon District Local Highways Panel - Potential Scheme List (Version 16)

| | |
|------------------------|---------|
| Total Value of schemes | £74,500 |
|------------------------|---------|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme stage | Cost Code | Estimated cost | Comments | RAG |
|-----|--|---|---|----------------|---------|--------------|------------|----------------|--|-----|
| 12 | Bowling Club, Park Drive, Maldon | Traffic Management Improvements | Speed of traffic on road | Town Council | Maldon | Total scheme | LMAL142078 | £8,500 | Validation - Recorded speed data in 30mph speed limit (North) Southbound 27.5mph/Northbound 28.0mph and (South) Southbound 32.7mph/Northbound 29.7mph. A VAS would be outside of policy so if required it will need a CMA. Changes to existing parking restrictions outside remit of LHP and passed to Parking Partnership to investigate. | A |
| 13 | Fambridge Road (Limebrook Way RAB to Royal Oak Public House), Maldon | Walkable verge/footway | Lack of footway between small hamlet/public house and Maldon Town | Councillor | Maldon | Total scheme | LMAL142006 | TBC | Liaison on-going regarding nearby potential development | TBC |
| 14 | London Road, (Cemetery to existing 30 mph speed limit), Maldon | Extension of existing 30mph speed limit/traffic management improvements | Speed of traffic | Councillor | Maldon | Total scheme | LMAL152031 | TBC | In validation - awaiting data from automatic traffic counts | TBC |
| 15 | Tenterfield Road R/o Hardware Shop, Maldon | Traffic Management Improvements | Vehicles reverse out of shop yard onto Tenterfield Road | Town Council | Maldon | Total scheme | LMAL152032 | TBC | In validation | TBC |
| 16 | Steeple Road, Mayland | Improved Village gateway Treatments | Gateways in need of improving | Parish Council | Mayland | Total scheme | LMAL152034 | TBC | Possible Maintenance scheme | TBC |

Maldon District Local Highways Panel - Potential Scheme List (Version 16)

| | |
|------------------------|---------|
| Total Value of schemes | £74,500 |
|------------------------|---------|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme stage | Cost Code | Estimated cost | Comments | RAG |
|-----|---|---|--|----------------|-----------------|--------------|------------|----------------|---|-----|
| 17 | The Drive, Maylandsea | Pedestrian crossing improvements | lack of pedestrian crossing facilities | Parish Council | Mayland | Total scheme | LMAL152035 | TBC | Degree of pedestrian conflict survey to be carried out to feed into scheme validation | TBC |
| 18 | The Drive junction with Steeple Road, Mayland | Request for a mini-roundabout | Vehicles trying to exit The Drive onto Steeple Road often face long delays | Parish Council | Mayland | Feasibility | LMAL152036 | £1,000 | To fund a survey of traffic queues to feed into validation process | TBC |
| 19 | Recreation Ground, Fambridge Road, North Fambridge | 20 mph speed limit | Speed of traffic on road | Parish Council | North Fambridge | Total scheme | LMAL142041 | TBC | In validation - Speed data under review | TBC |
| 20 | B1010 Fambridge Road (The Wash to Roundbush Public House), Purleigh | Speed reduction measures | Narrow road with passing places, speed of traffic | Parish Council | Purleigh | Feasibility | LMAL142031 | £3,000 | Validation - Feasibility study recommended into speed reduction measures - possible extension of 40mph speed limit/existing passing places and potential for more/signage review. | G |
| 21 | Main Road, St Lawrence | Traffic management improvements - speed of vehicles | Speed of traffic on road | Parish Council | St Lawrence | Total scheme | LMAL142028 | TBC | In validation | TBC |
| 22 | Honey Pot Lane, Stowe Maries | Drainage improvements | Drainage issues | Parish Council | Stow Maries | Total scheme | LMAL142045 | TBC | In validation | TBC |
| 23 | The Street/Woodham Road, Stow Maries | Traffic Management Improvements | Speed of traffic on 30 mph road | Parish Council | Stow Maries | Total scheme | LMAL142065 | TBC | In validation - Speed data under review | TBC |

Maldon District Local Highways Panel - Potential Scheme List (Version 16)

| | |
|------------------------|---------|
| Total Value of schemes | £74,500 |
|------------------------|---------|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme stage | Cost Code | Estimated cost | Comments | RAG |
|-----|--|---|--|----------------|--------------------|--------------|------------|----------------|---|-----|
| 24 | Hagg Hill, Stow Maries | Not suitable for HGV signage | HGV using unsuitable route | Parish Council | Stow Maries | Total scheme | LMAL152029 | £5,000 | Validation - review existing signage/positioning and install "Unsuitable for HGV" signage | G |
| 25 | Brook Road/Tolleshunt D'Arcy Road, Tolleshunt Knights | "Kill your Speed" signs | Speed of traffic/Improvements to signage | Parish Council | Tolleshunt Knights | Total scheme | LMAL142077 | £6,500 | In validation - Mean average speed data Brook Road Westbound 31.7mph, Eastbound 34.6mph. Tolleshunt D'Arcy Road | G |
| 26 | Beckingham Street/Tolleshunt D'Arcy Road, Tolleshunt Major | Traffic Management Improvements at entry/exit points of Village | Village entry/exit points need improvements to highlight Village | Parish Council | Tolleshunt Major | Total scheme | LMAL142072 | £3,000 | Validation - Mean average speed data Beckingham Street Eastbound 25.39mph, Westbound 26.2mph. Tolleshunt D'Arcy Road Eastbound 27.1mph Westbound 25.7mph. Though small proportion of drivers exceeding 35mph. Recommendation is to carry out signage improvements to repeater Speed limit signs | G |
| 27 | Crouchman's Farm Road, Ulting | 30mph speed limit | Speed of traffic | Parish Council | Ulting | Total scheme | LMAL142020 | NA | Validation - ATC data reviewed adherence to existing speed limit shows good compliance with appropriate speeds for a country road. ECC policy for a Village 30mph speed limit is for a minimum length of 350 metres, which would not met here. | R |
| 28 | Hatfield Road, Ulting | SID/VAS | Speed of traffic on road | Parish Council | Ulting | Total scheme | LMAL142081 | TBC | In validation | TBC |

Maldon District Local Highways Panel - Potential Scheme List (Version 16)

| | |
|------------------------|---------|
| Total Value of schemes | £74,500 |
|------------------------|---------|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme stage | Cost Code | Estimated cost | Comments | RAG |
|-----|---|--|---|----------------|-----------------|--------------|------------|--------------------|---|-----|
| 29 | Witham Road/Church Road/Beacon Hill, Wickham Bishops | Village entry points - white gates | Lack of gates at village entry points | Parish Council | Wickham Bishops | Total scheme | LMAL142060 | TBC | In validation | TBC |
| 30 | Church Road (To junction with Mope Lane), Wickham Bishops | Extension of 30 mph speed limit | Speed of traffic on road | Parish Council | Wickham Bishops | Total scheme | LMAL142062 | £2,500 | Proposal for extension of existing 30 mph speed limit on Church Road to 10m east of Mope Lane | G |
| 31 | Church Road (Holt Drive to Blacksmiths Lane) and Arbour Lane (Blacksmiths Lane to Grange Road), Wickham Bishops | Footways | Lack of pedestrian access to the Village Library | Parish Council | Wickham Bishops | Total scheme | LMAL153002 | TBC | In validation | TBC |
| 32 | The Street (Near The Mitre Public House), Wickham Bishops | Traffic management improvements - coloured carriageway surfacing | Speed of traffic | Parish Council | Wickham Bishops | Feasibility | LMAL152037 | £900 (PV^2 survey) | Validation - coloured surfacing would not highlight pedestrians crossing at this location. Suggestion is firstly for PV^2 survey and subject to results, a Feasibility Study into pedestrian crossing improvements. | G |
| 33 | The Street junction with Great Totham Road, Wickham Bishops | Improved signage to Sports Field on Great Totham Road | Lack of signage for visiting users of sports facilities | Parish Council | Wickham Bishops | Total scheme | LMAL152040 | NA | Validation - existing post already has a lot of destinations on it, one more may further confuse drivers. Also post obscured by telegraph pole on one side. Not recommended to proceed with request. | R |

Maldon District Local Highways Panel - Potential Scheme List (Version 16)

| | |
|------------------------|---------|
| Total Value of schemes | £74,500 |
|------------------------|---------|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme stage | Cost Code | Estimated cost | Comments | RAG |
|-----|---|---|------------------|----------------|-----------------|--------------|------------|----------------|---------------|-----|
| 34 | O/s The Mitre Public House, Maypole Road, Wickham Bishops | Additional back to back 30mph repeater sign | Speed of traffic | Parish Council | Wickham Bishops | Total scheme | LMAL152042 | TBC | In validation | TBC |
| 35 | Great Totham/Wickham Bishops Parish Boundary, Maypole Road, Wickham Bishops | Back to back 30mph repeater sign | Speed of traffic | Parish Council | Wickham Bishops | Total scheme | LMAL152043 | TBC | In validation | TBC |

Maldon District Local Highways Panel - Potential Schemes List (Version 16)

Passenger Transport

| | |
|------------------------|--------|
| Total Value of schemes | £4,500 |
|------------------------|--------|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme Category | Scheme stage | Cost Code | Estimated cost | Comments | RAG |
|-----|---|--|--|---|-------------------|---------------------|--------------|------------|----------------|--|-----|
| 1 | High Street Bus stop, Burnham on Crouch | Design only to prevent parking in last space before Bus stop to allow larger buses to align correctly to raised kerb | Following a hazard report received from bus company following uses of larger (over 12m) buses on route | Passenger Transport Team | Burnham on Crouch | Passenger Transport | Design | LMAL155012 | £2,000 | Validation - Detailed design required | G |
| 2 | Imperial Avenue, Maylandsea | Bus cage | Vehicles parking at bus stop and obstructing it | Parish Council/Passenger Transport Team | Maylandsea | Passenger Transport | Total scheme | LMAL155008 | £2,500 | Validation - A bus cage would require a consultation with residents/businesses | G |

Maldon District Local Highways Panel - Potential Schemes List (Version 16)

Public Rights of Way

| | |
|------------------------|----|
| Total Value of schemes | £0 |
|------------------------|----|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme Category | Scheme stage | Cost Code | Estimated cost | Comments | RAG |
|-----|---|---|---|----------------|-----------------|----------------------|--------------|------------|----------------|---------------|-----|
| 1 | Handley's Lane, between Kelvedon Road and Handley's Lane roadway, Wickham Bishops | Surface improvements to byway to allow all round year usage | Byway often inaccessible due to flooding /surface condition | Parish Council | Wickham Bishops | Public Rights of Way | Total scheme | LMAL158003 | TBC | In validation | TBC |

Maldon District Local Highways Panel - Potential Scheme List (Vesion 16)

Safer Roads

| | |
|-------------------------------|---------------|
| Total Value of schemes | £3,000 |
|-------------------------------|---------------|

| Ref | Location | Description | Problem | Requested by | Parish | Scheme Category | Scheme stage | Cost Code | Allocated Budget | Comments | RAG |
|-----|----------------------------|---|---|------------------|------------|-----------------|--------------|------------|------------------|--|-----|
| 1 | Woodrolfe Road, Tollesbury | Improvements to existing 30mph straight section | Lack of street lighting or 30mph repeater signs | Safer Roads Team | Tollesbury | Safer Roads | Feasibility | LMAL151008 | £3,000 | Safer Road team has requested funding for a feasibility study to assess improvements to existing straight 30 mph section of road | G |

Maldon District Local Highways Panel

Feasibility Studies/Designs/Briefing Notes

For the information of the Panel the following Feasibility Studies/Designs/Briefing Notes are attached as follows –

Page 2 to 17

Maldon Cycle Signage Improvements – Outline Design

Approved Works Programme – Scheme 4 – LMAL004004

Page 18 to 55

Viking Road/Dorset Road/Wordsworth Road, Maldon – Three Month Verge Parking Enforcement Update

Approved Works Programme – Scheme 7 – LMAL142003

Page 56 to 60

B1021 Southminster Road, Asheldham - Asheldham Bend Improvements Draft Designs

Approved Works Programme – Scheme 8 – LMAL142004

Page 61 to 68

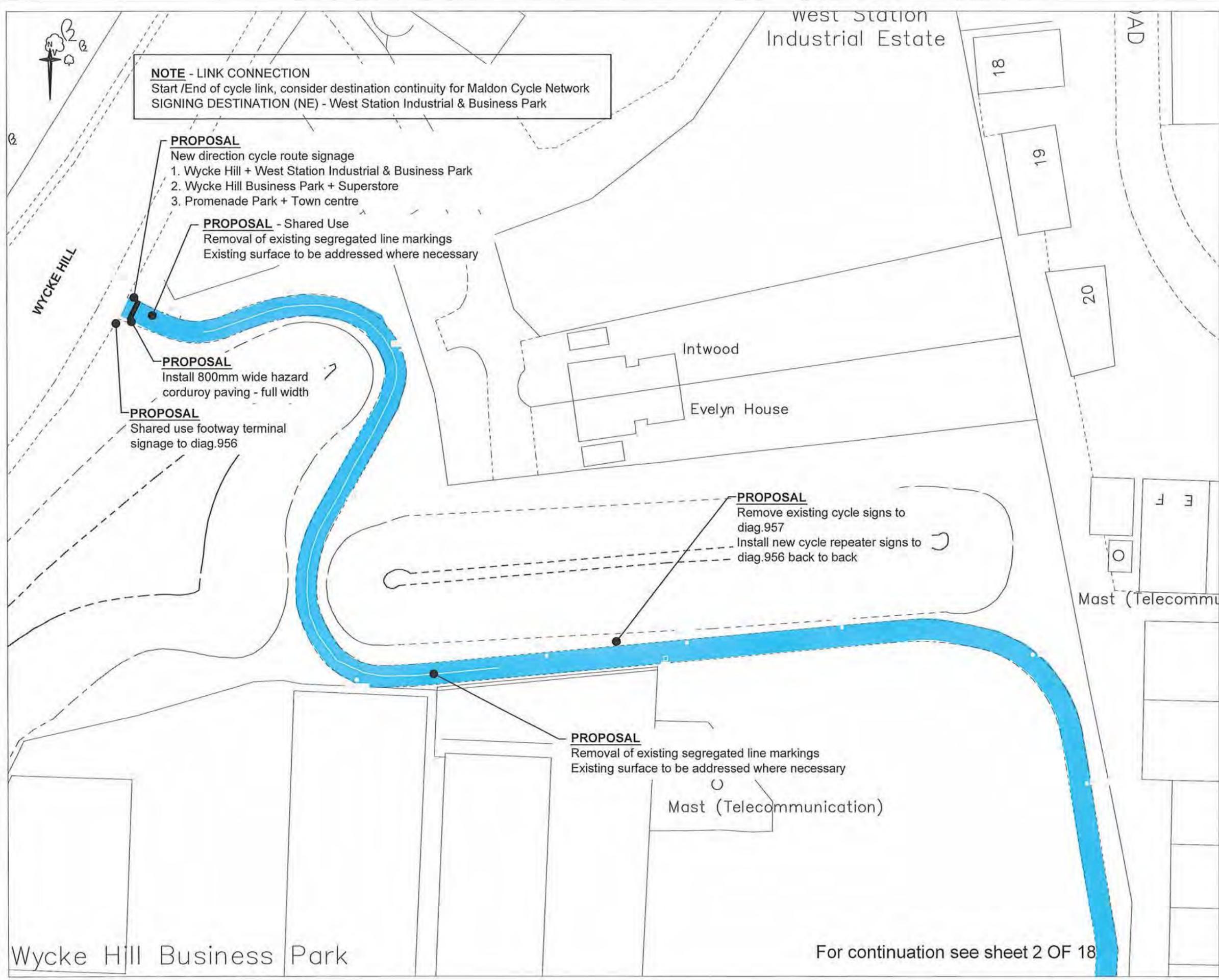
Maypole Road, Heybridge – Drainage Improvements Scheme Report

Approved Works Programme – Scheme 10 – LAML142008

Page 69 to 70

B1026 Goldhanger Road, Heybridge – Drainage Improvements Scheme Update

Approved Works Programme – Scheme 11 – LMAL142002



NOTE - LINK CONNECTION
 Start /End of cycle link, consider destination continuity for Maldon Cycle Network
SIGNING DESTINATION (NE) - West Station Industrial & Business Park

PROPOSAL
 New direction cycle route signage
 1. Wycke Hill + West Station Industrial & Business Park
 2. Wycke Hill Business Park + Superstore
 3. Promenade Park + Town centre

PROPOSAL - Shared Use
 Removal of existing segregated line markings
 Existing surface to be addressed where necessary

PROPOSAL
 Install 800mm wide hazard
 corduroy paving - full width

PROPOSAL
 Shared use footway terminal
 signage to diag.956

PROPOSAL
 Remove existing cycle signs to
 diag.957
 Install new cycle repeater signs to
 diag.956 back to back

PROPOSAL
 Removal of existing segregated line markings
 Existing surface to be addressed where necessary

West Station
 Industrial Estate

WYCKE HILL

Intwood

Evelyn House

Mast (Telecommu

Mast (Telecommunication)

Wycke Hill Business Park

For continuation see sheet 2 OF 18

GENERAL CONSTRUCTION NOTES

- DO NOT SCALE FROM THIS DRAWING.
- All markings are to be applied using white thermoplastic screed.
- All diagram numbers refer to the Traffic Signs Regulations and General Directions 2002 and any amendment thereto.
- Mounting height of all signs to be a minimum of 2.4m in cycleways, unless otherwise stated.
- Sign posts shall be square 80mm for all destination signage and not protrude above the signface. Sign design to be to an 'x' ht of 25mm. All posts to be capped.
- Lateral clearance of all pedestrian guardrail, signs and bollards to be 0.45m min. from the edge of carriageway, unless otherwise stated.
- Any disturbance to existing grassed areas is to be made good with topsoil and seed.
- Vegetation is to be cut back throughout, up to a height of 4m.
- This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

- Existing lamp column and number
- Existing lining to be remain
- Existing signing to remain
- New signing to be installed and ref.
- New lining to be installed
- Paving to remain

| REV | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|-----|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS
OUTLINE DESIGN



Ringway Jacobs working in partnership with Essex County Council

Mark Rowe, Service Director, Essex Highways
 County Hall, Chelmsford. CM1 1QH
 Tel: 0845 6037631 © Essex County Council

SCHEME TITLE
**LOCAL HIGHWAY PANEL
 CYCLEWAY IMPROVEMENTS
 LMAL004004**

DRAWING TITLE
**WYCKE HILL TO PARK DRIVE
 OUTLINE DESIGN
 1 OF 18**

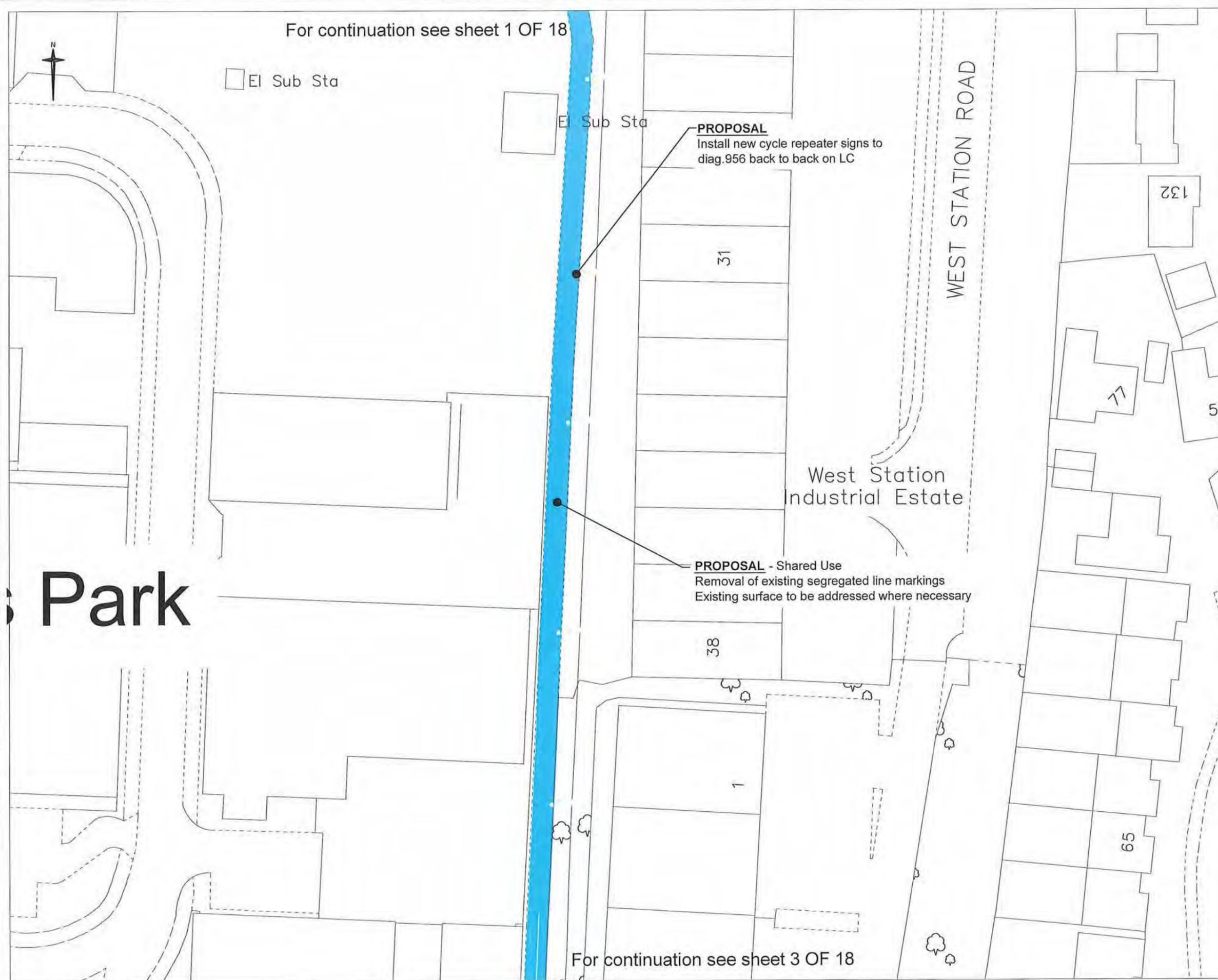
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|--------------|-------------|-------------|--------------|--------------|
| DATE FEB 15 | DATE FEB 15 | DATE FEB 15 | DATE FEB 15 | DATE FEB 15 |

DRAWING UNITS: DIMENSIONS IN MILLIMETRES
 LEVELS IN METRES
 SCALE AT A3 (420x297mm)
1:500

DRAWING No. **DC1913/000/001** REV. -

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For continuation see sheet 1 OF 18



For continuation see sheet 3 OF 18

GENERAL CONSTRUCTION NOTES

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7. Any disturbance to existing grassed areas is to be made good with topsoil and seed.
8. Vegetation is to be cut back throughout, up to a height of 4m.
9. This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

- Existing lamp column and number
- Existing lining to be remain
- Existing signing to remain
- New signing to be installed and ref.
- New lining to be installed
- Paving to be installed
- Paving to be remain
- Paving to be removed

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN/CHECKED |
|------|------|-----------------------|---------------|
| | | | |

DRAWING STATUS
OUTLINE DESIGN



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Mark Rowe, Service Director, Essex Highways
County Hall, Chelmsford. CM1 1QH
Tel: 0845 6037631 © Essex County Council

SCHEME TITLE
**LOCAL HIGHWAY PANEL
CYCLEWAY IMPROVEMENTS
LMAL004004**

DRAWING TITLE
**WYCKE HILL TO PARK DRIVE
OUTLINE DESIGN
2 OF 18**

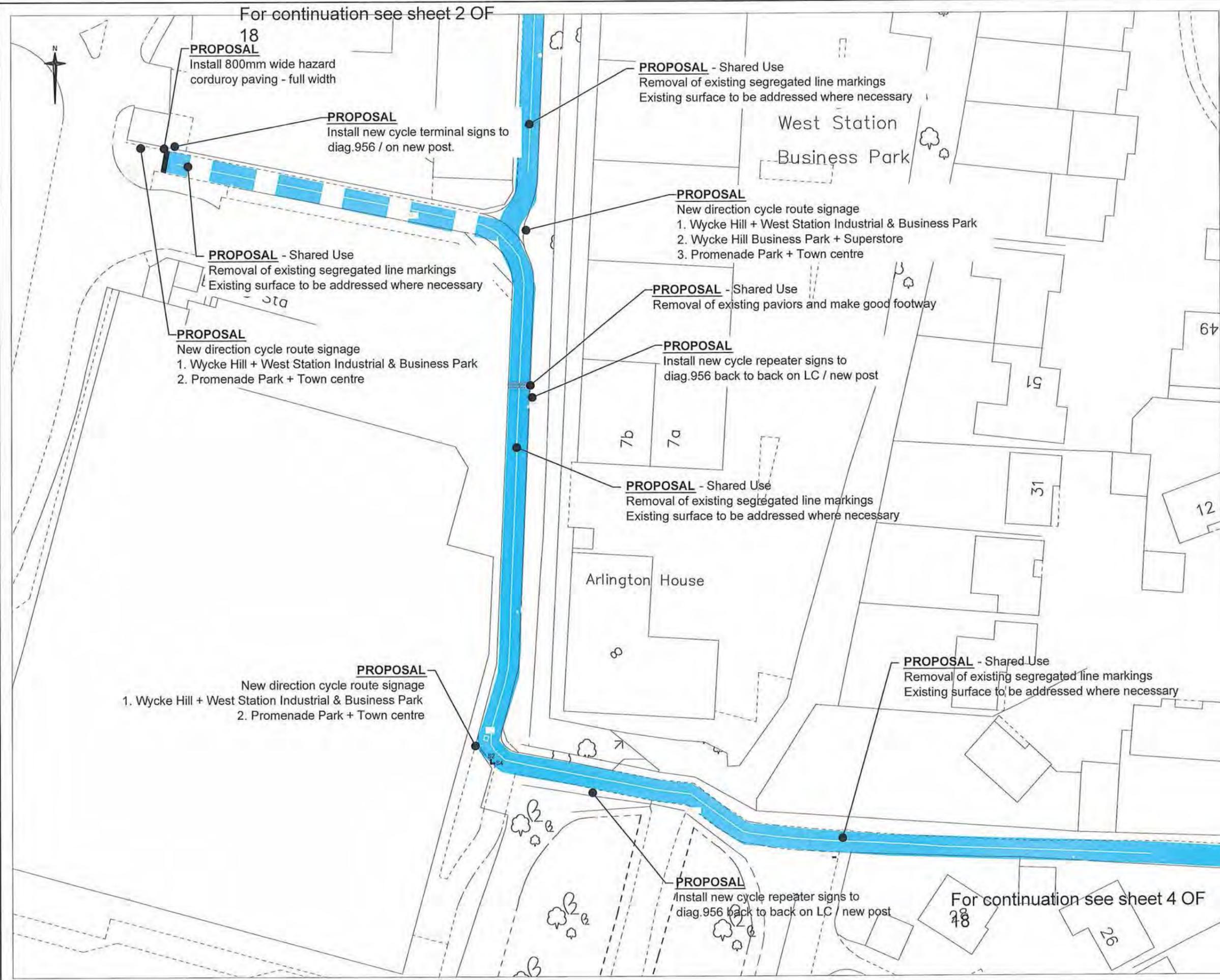
| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|--------|---------|----------|----------|
| LCN | LCN | PH | LCN | MBS |
| | | | | |
| DATE | DATE | DATE | DATE | DATE |
| FEB 15 | FEB 15 | FEB 15 | FEB 15 | FEB 15 |

DRAWING UNITS U.U.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
1:500

DRAWING No. **DC1913/000/002** REV. **-**

For continuation see sheet 2 OF



PROPOSAL
18
Install 800mm wide hazard
corduroy paving - full width

PROPOSAL
Install new cycle terminal signs to
diag.956 / on new post.

PROPOSAL - Shared Use
Removal of existing segregated line markings
Existing surface to be addressed where necessary

PROPOSAL
New direction cycle route signage
1. Wycke Hill + West Station Industrial & Business Park
2. Wycke Hill Business Park + Superstore
3. Promenade Park + Town centre

PROPOSAL - Shared Use
Removal of existing segregated line markings
Existing surface to be addressed where necessary

PROPOSAL - Shared Use
Removal of existing paviers and make good footway

PROPOSAL
New direction cycle route signage
1. Wycke Hill + West Station Industrial & Business Park
2. Promenade Park + Town centre

PROPOSAL
Install new cycle repeater signs to
diag.956 back to back on LC / new post

PROPOSAL - Shared Use
Removal of existing segregated line markings
Existing surface to be addressed where necessary

PROPOSAL
New direction cycle route signage
1. Wycke Hill + West Station Industrial & Business Park
2. Promenade Park + Town centre

PROPOSAL - Shared Use
Removal of existing segregated line markings
Existing surface to be addressed where necessary

PROPOSAL
Install new cycle repeater signs to
diag.956 back to back on LC / new post

For continuation see sheet 4 OF

GENERAL CONSTRUCTION NOTES

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- Vegetation is to be cut back throughout, up to a height of 4m.
- This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

- Existing lamp column and number
- Existing lining to be remain
- Existing signing to remain
- New signing to be installed and ref.
- New lining to be installed
- Existing Stats cover
- Existing Public Footpath sign
- Paving to be installed

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS
OUTLINE DESIGN

Essex Highways

Ringway Jacobs working in partnership with Essex County Council

Mark Rowe, Service Director, Essex Highways
County Hall, Chelmsford, CM1 1QH
Tel: 0845 6037631 © Essex County Council

SCHHEME TITLE
**LOCAL HIGHWAY PANEL
CYCLEWAY IMPROVEMENTS
LMAL004004**

DRAWING TITLE
**WYCKE HILL TO PARK DRIVE
OUTLINE DESIGN
3 OF 18**

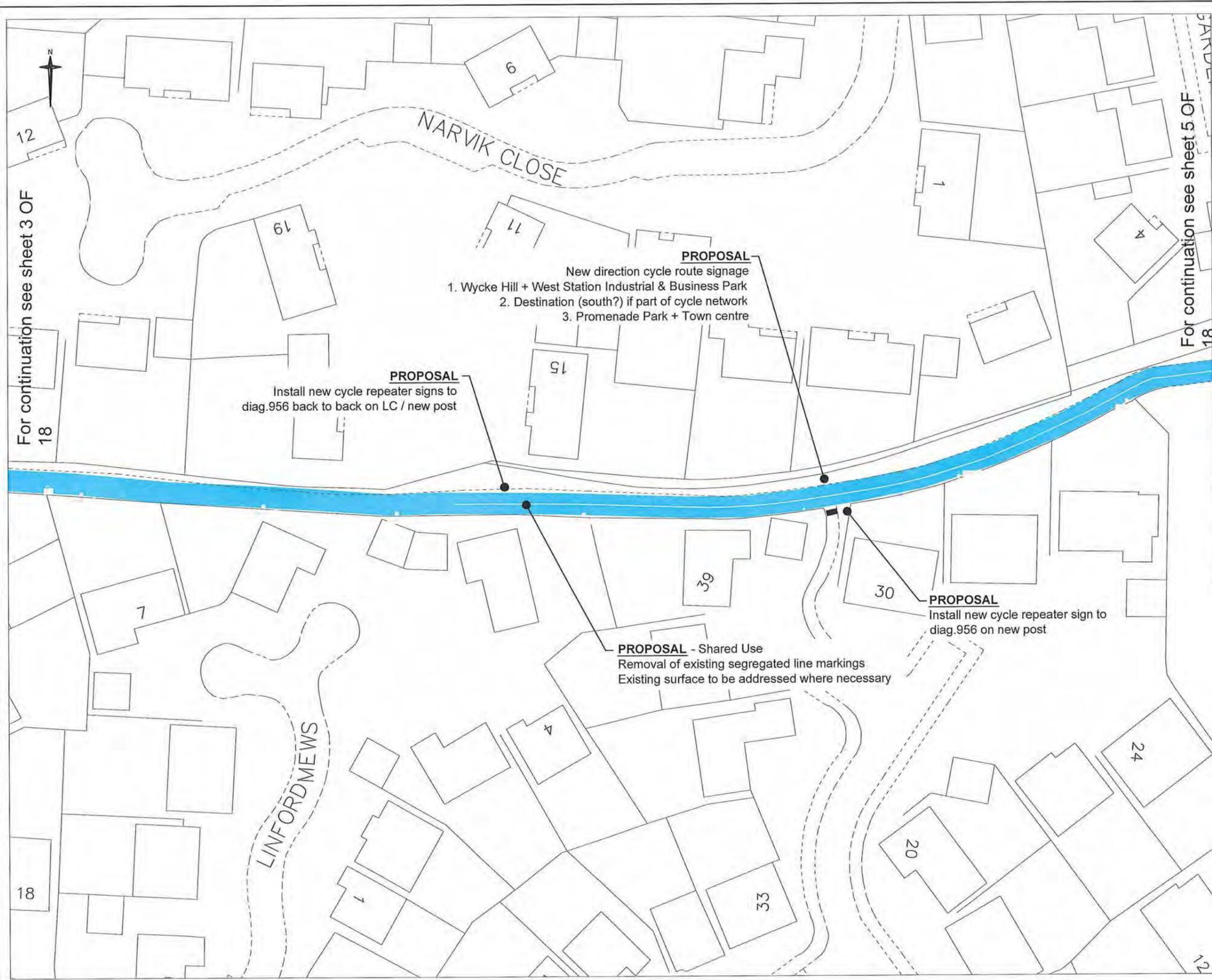
| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
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| LCN | LCN | PH | LCN | MBS |
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DRAWING UNITS U.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
1:500

DRAWING No. **DC1913/000/003**

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 - Vegetation is to be cut back throughout, up to a height of 4m.
 - This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

| | |
|--|--------------------------------------|
| | Existing lamp column and number |
| | Existing lining to be remain |
| | Existing signing to remain |
| | New signing to be installed and ref. |
| | New lining to be installed |
| | Paving to be installed |

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN/CHECKED |
|------|------|-----------------------|---------------|
| | | | |

DRAWING STATUS: **OUTLINE DESIGN**

Essex Highways

Ringway Jacobs working in partnership with Essex County Council

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County Hall, Chelmsford, CM1 1QH
Tel: 0845 6037631 © Essex County Council

SCHEME TITLE: **LOCAL HIGHWAY PANEL CYCLEWAY IMPROVEMENTS LMAL004004**

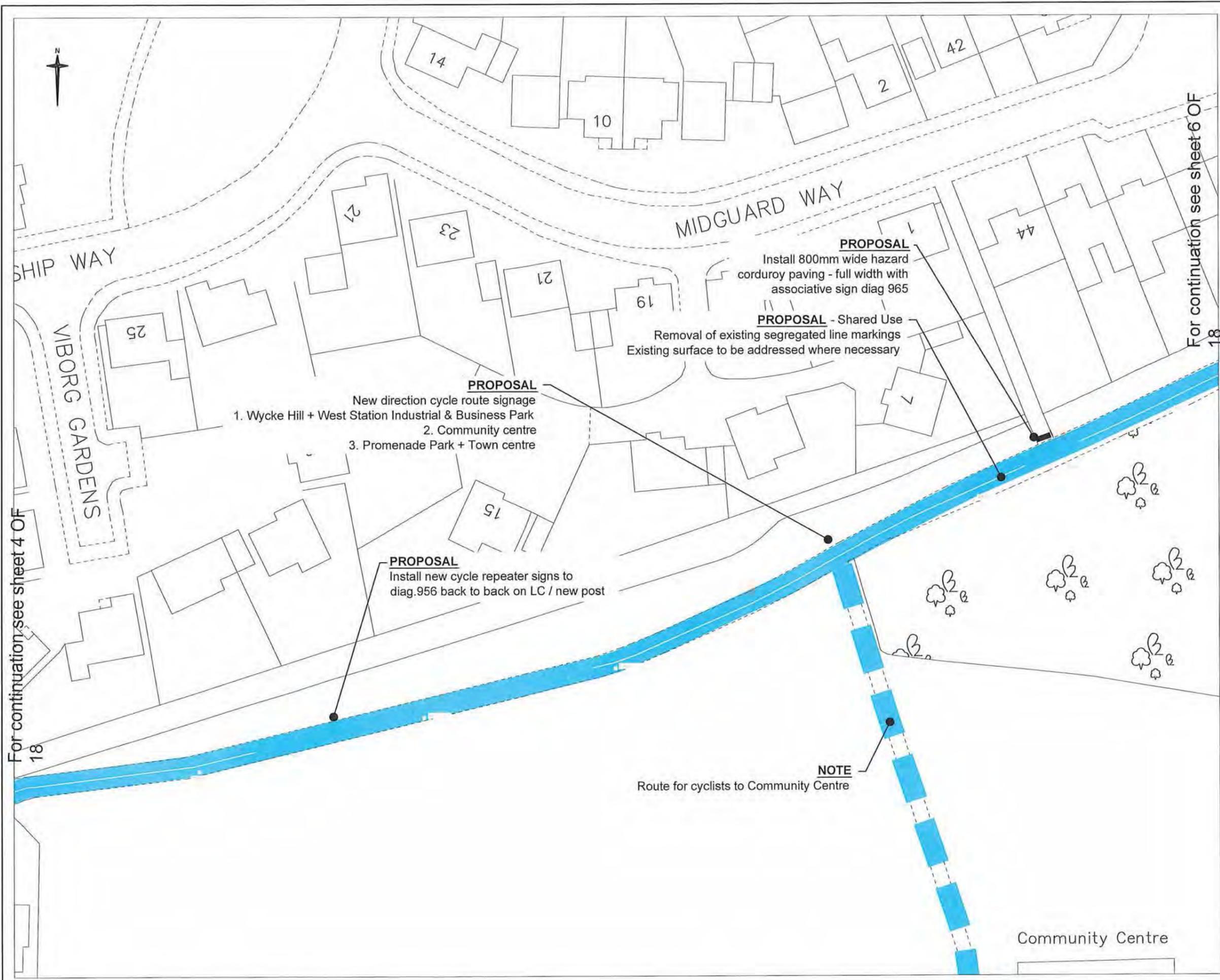
DRAWING TITLE: **WYCKE HILL TO PARK DRIVE OUTLINE DESIGN 4 OF 18**

| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|--------|---------|----------|----------|
| LCN | LCN | PH | LCN | MBS |
| FEB 15 | FEB 15 | FEB 15 | FEB 15 | FEB 15 |

DRAWING UNITS U.U.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:500

DRAWING No. **DC1913/000/004**

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For continuation see sheet 4 OF 18

For continuation see sheet 6 OF 18

PROPOSAL
New direction cycle route signage
1. Wycke Hill + West Station Industrial & Business Park
2. Community centre
3. Promenade Park + Town centre

PROPOSAL
Install new cycle repeater signs to
diag.956 back to back on LC / new post

PROPOSAL
Install 800mm wide hazard
corduroy paving - full width with
associative sign diag 965

PROPOSAL - Shared Use
Removal of existing segregated line markings
Existing surface to be addressed where necessary

NOTE
Route for cyclists to Community Centre

GENERAL CONSTRUCTION NOTES

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- This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

- Existing lamp column and number
- Existing lining to be remain
- Existing signing to be removed
- New signing to be installed and ref.
- New lining to be installed
- Paving to be installed

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS
OUTLINE DESIGN

Essex Highways

Ringway Jacobs working in partnership with Essex County Council

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County Hall, Chelmsford, CM1 1QH
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SCHEME TITLE
**LOCAL HIGHWAY PANEL
CYCLEWAY IMPROVEMENTS
LMAL004004**

DRAWING TITLE
**WYCKE HILL TO PARK DRIVE
OUTLINE DESIGN
5 OF 18**

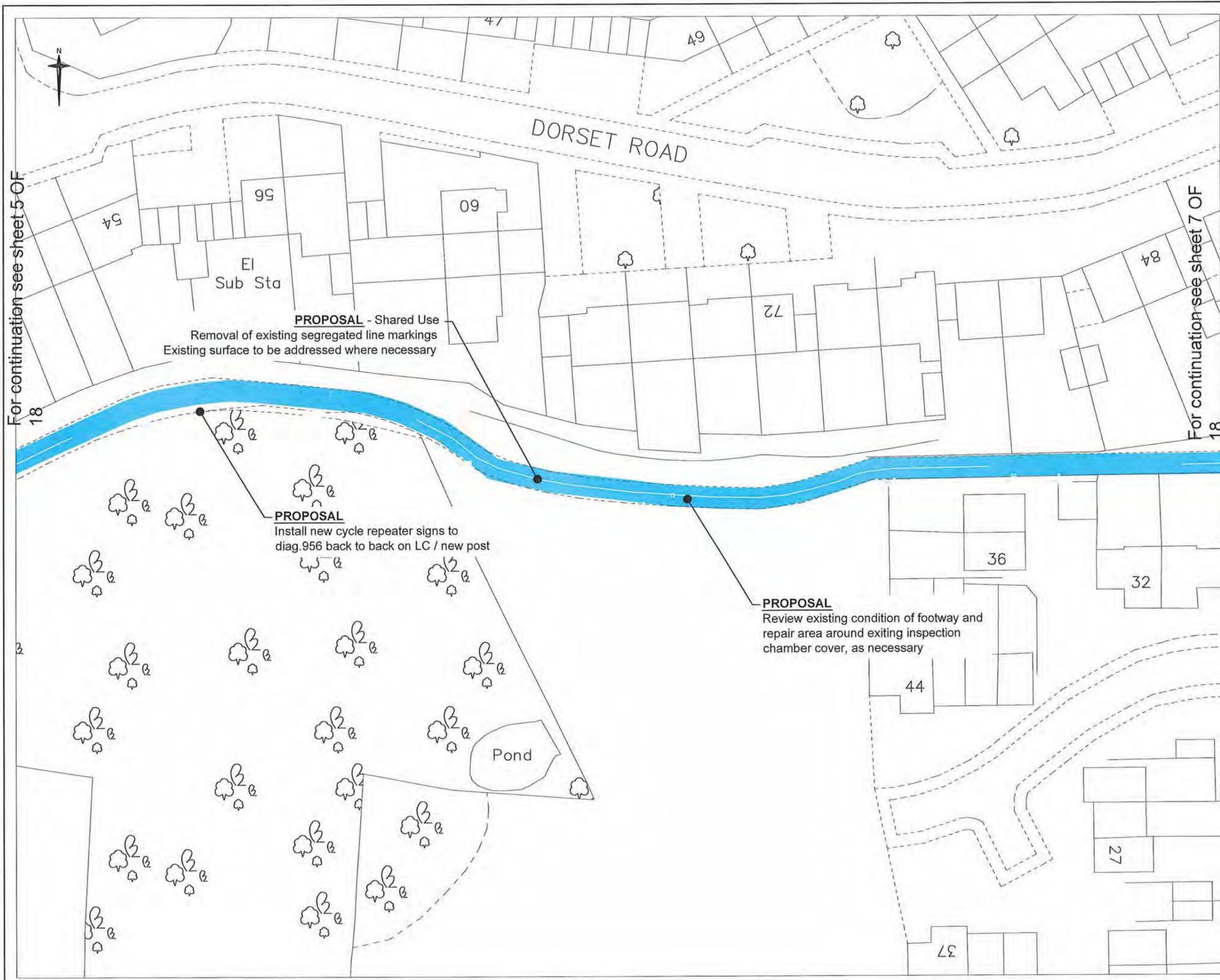
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|----------|--------|---------|----------|----------|
| LCN | LCN | PH | LCN | MBS |
| FEB 15 | FEB 15 | FEB 15 | FEB 15 | FEB 15 |

DRAWING UNITS U.I.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
1:500

DRAWING No. **DC1913/000/005**

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GENERAL CONSTRUCTION NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. Any disturbance to existing grassed areas is to be made good with topsoil and seed.
3. Vegetation is to be cut back throughout, up to a height of 4m.

LEGEND

-  Existing lamp column and number
-  Existing manhole cover

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS
OUTLINE DESIGN



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Mark Rowe, Service Director, Essex Highways
County Hall, Chelmsford. CM1 1QH
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SCHEME TITLE
**LOCAL HIGHWAY PANEL
CYCLEWAY IMPROVEMENTS
LMAL004004**

DRAWING TITLE
**WYCKE HILL TO PARK DRIVE
OUTLINE DESIGN
6 OF 18**

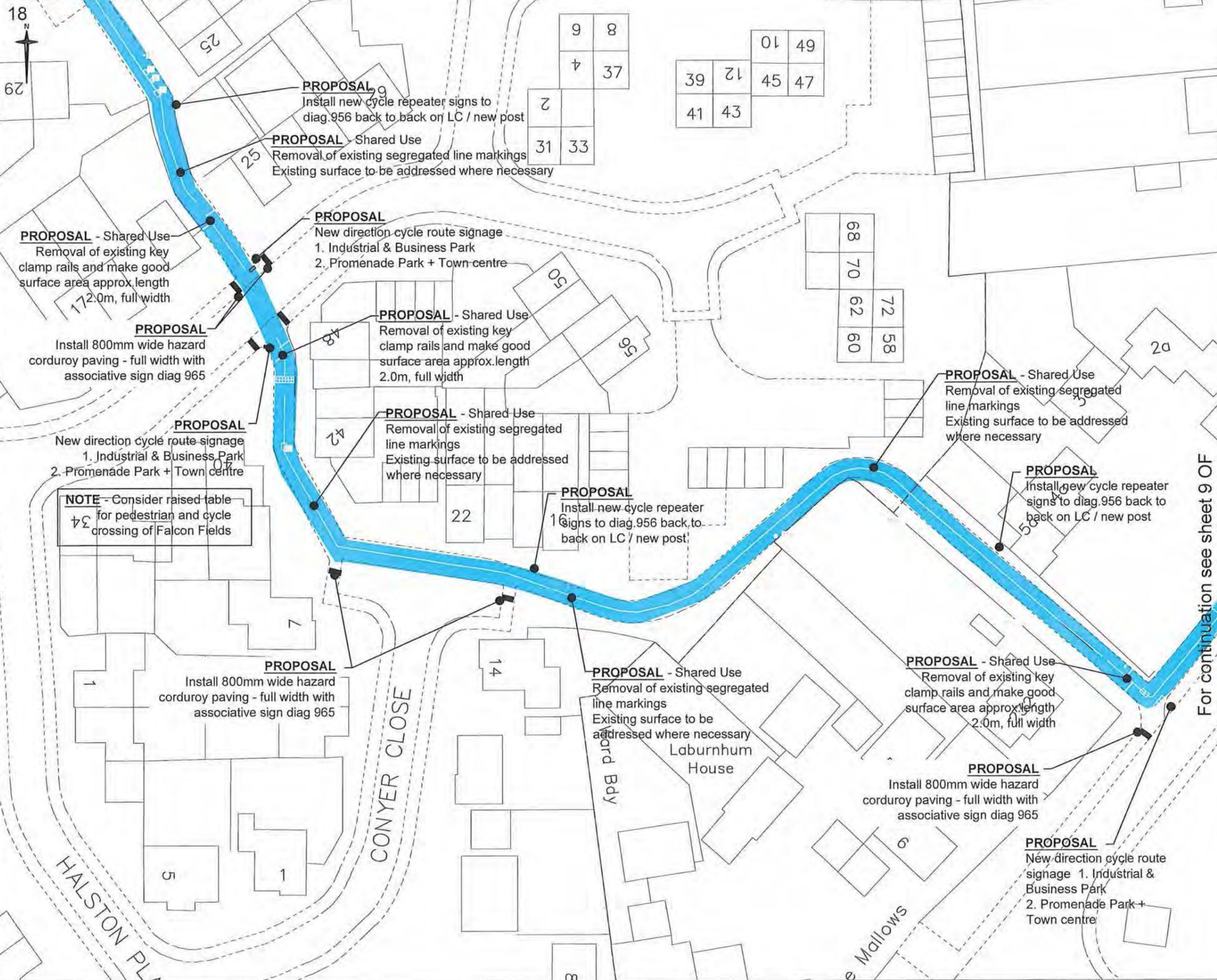
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| LCN | LCN | PH | LCN | MBS |
| | | | | |

DATE: FEB 15
DRAWING LISTS U.I.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:500

DRAWING No. **DC1913/000/006** REV. -

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For continuation see sheet 7 OF



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3. All diagram numbers refer to the Traffic Signs Regulations and General Directions 2002 and any amendment thereto.
4. Mounting height of all signs to be a minimum of 2.4m in cycleways, unless otherwise stated.
5. Sign posts shall be square 80mm for all destination signage and not protrude above the signface. Sign design to be to an 'x' ht of 25mm. All posts to be capped.
6. Lateral clearance of all pedestrian guardrail, signs and bollards to be 0.45m min. from the edge of carriageway, unless otherwise stated.
7. Any disturbance to existing grassed areas is to be made good with topsoil and seed.
8. Vegetation is to be cut back throughout, up to a height of 4m.
9. This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

- Existing lamp column and number
- Existing lining to be remain
- New signing to be installed and ref.
- New lining to be installed
- Paving to be installed
- Paving to remain
- Existing bollard
- Existing Stats cover

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS
OUTLINE DESIGN



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SCHEME TITLE
**LOCAL HIGHWAY PANEL
CYCLEWAY IMPROVEMENTS
LMAL004004**

DRAWING TITLE
**WYCKE HILL TO PARK DRIVE
OUTLINE DESIGN
8 OF 18**

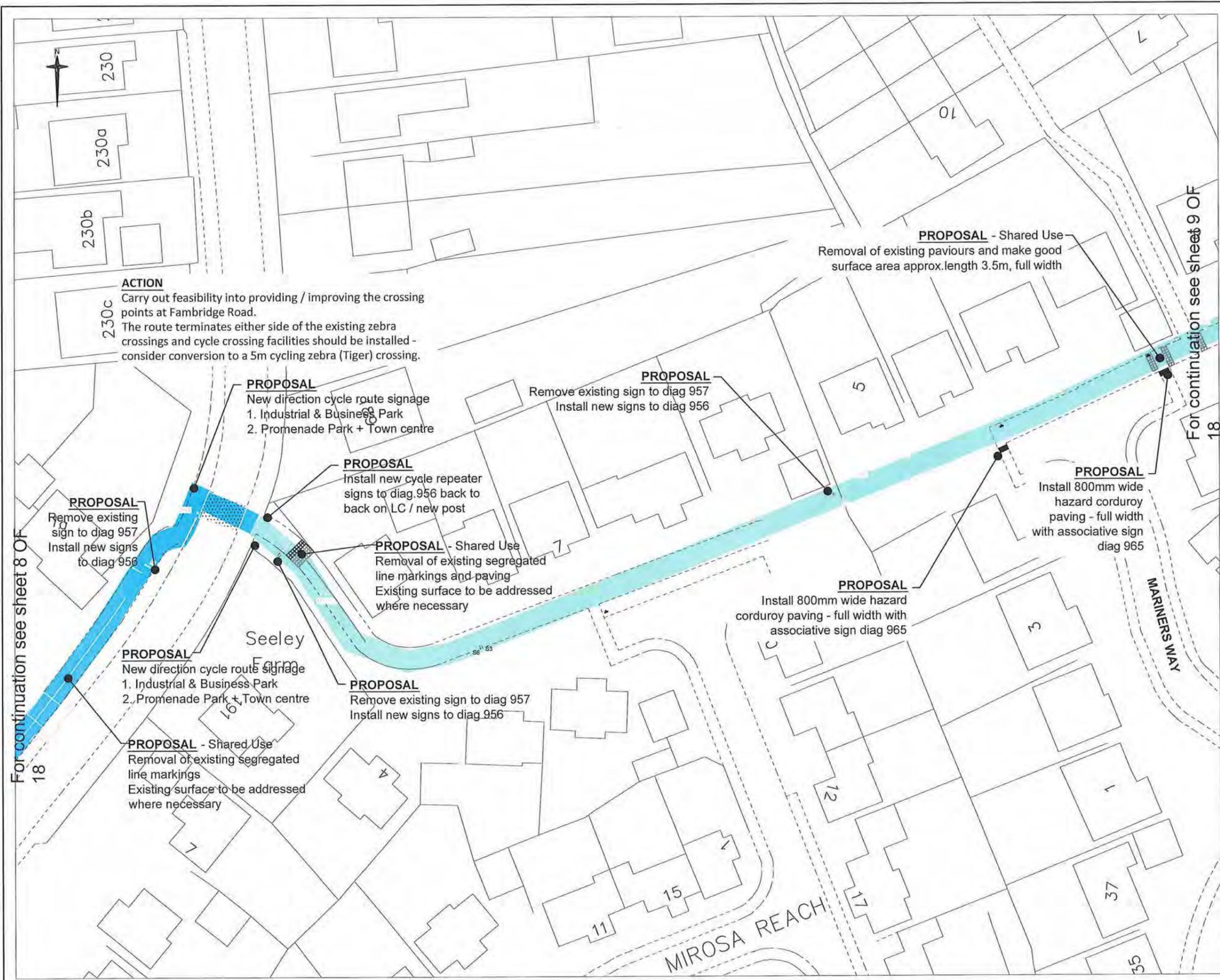
| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------------|----------------|----------------|----------------|----------------|
| LCN | LCN | PH | LCN | MBS |
| DATE FEB 15 |

DRAWING UNITS U.N.D.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
1:500

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- Mounting height of all signs to be a minimum of 2.4m in cycleways, unless otherwise stated.
- Sign posts shall be square 80mm for all destination signage and not protrude above the signface. Sign design to be to an 'x' ht of 25mm. All posts to be capped.
- Lateral clearance of all pedestrian guardrail, signs and bollards to be 0.45m min. from the edge of carriageway, unless otherwise stated.
- Any disturbance to existing grassed areas is to be made good with topsoil and seed.
- Vegetation is to be cut back throughout, up to a height of 4m.
- This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

- Existing lamp column and number
- Existing lining to be remain
- New signing to be installed and ref.
- New lining to be installed
- Paving to be installed
- Paving to remain
- Footway area to be resurfaced
- Guard railing to be removed

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS: **OUTLINE DESIGN**

Essex Highways

Ringway Jacobs working in partnership with Essex County Council

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 Tel: 0845 6037631 © Essex County Council

SCHEME TITLE: **LOCAL HIGHWAY PANEL CYCLEWAY IMPROVEMENTS LMAL004004**

DRAWING TITLE: **WYCKE HILL TO PARK DRIVE OUTLINE DESIGN 9 OF 18**

| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|--------|---------|----------|----------|
| LCN | LCN | PH | LCN | MBS |
| FEB 15 | FEB 15 | FEB 15 | FEB 15 | FEB 15 |

DRAWING UNITS: DIMENSIONS IN MILLIMETRES
 LEVELS IN METRES

SCALE AT A3 (420x297mm): **1:500**

DRAWING No: **DC1913/000/009**

ACTION
 Carry out feasibility into providing / improving the crossing points at Fambridge Road.
 The route terminates either side of the existing zebra crossings and cycle crossing facilities should be installed - consider conversion to a 5m cycling zebra (Tiger) crossing.

PROPOSAL
 New direction cycle route signage
 1. Industrial & Business Park
 2. Promenade Park + Town centre

PROPOSAL
 Install new cycle repeater signs to diag.956 back to back on LC / new post

PROPOSAL - Shared Use
 Removal of existing segregated line markings and paving
 Existing surface to be addressed where necessary

PROPOSAL
 Remove existing sign to diag 957
 Install new signs to diag 956

PROPOSAL
 New direction cycle route signage
 1. Industrial & Business Park
 2. Promenade Park + Town centre

PROPOSAL - Shared Use
 Removal of existing segregated line markings
 Existing surface to be addressed where necessary

PROPOSAL - Shared Use
 Removal of existing pavements and make good surface area approx.length 3.5m, full width

PROPOSAL
 Remove existing sign to diag 957
 Install new signs to diag 956

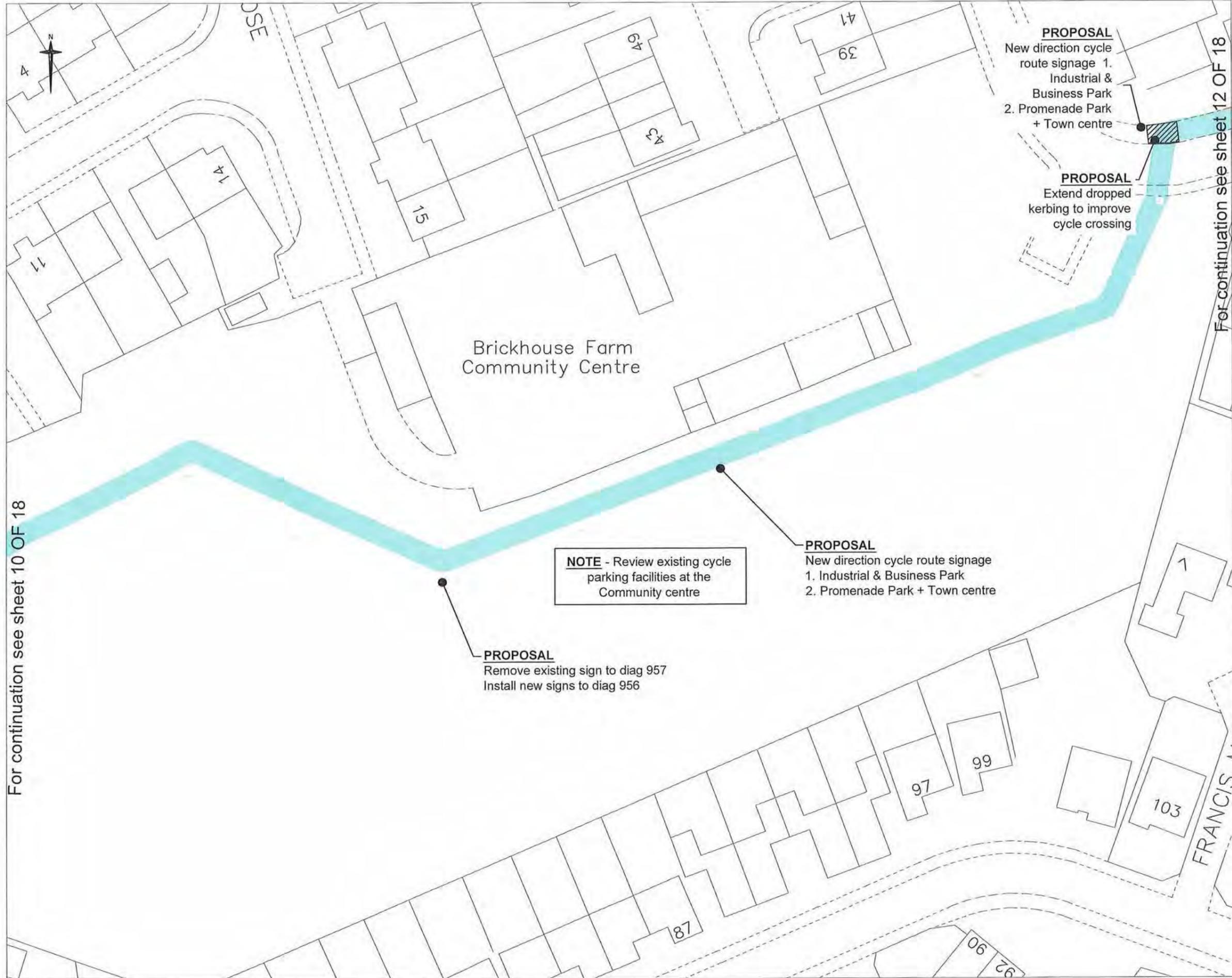
PROPOSAL
 Install 800mm wide hazard corduroy paving - full width with associative sign diag 965

PROPOSAL
 Install 800mm wide hazard corduroy paving - full width with associative sign diag 965

For continuation see sheet 8 OF 18

For continuation see sheet 9 OF 18

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For continuation see sheet 10 OF 18

For continuation see sheet 12 OF 18

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3. All diagram numbers refer to the Traffic Signs Regulations and General Directions 2002 and any amendment thereto.
4. Mounting height of all signs to be a minimum of 2.4m in cycleways, unless otherwise stated.
5. Sign posts shall be square 80mm for all designation signage and not protrude above the signface. Sign design to be to an 'x' ht of 25mm. All posts to be capped.
6. Lateral clearance of all pedestrian guardrail, signs and bollards to be 0.45m min. from the edge of carriageway, unless otherwise stated.
7. Any disturbance to existing grassed areas is to be made good with topsoil and seed.
8. Existing segregation line, and associated markings are to be removed throughout.
9. This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

- Signing to be changed
- New signing to be installed and ref.
- Paving to be installed
- Paving to be removed
- Existing bollard

NOTE - Review existing cycle parking facilities at the Community centre

PROPOSAL
Remove existing sign to diag 957
Install new signs to diag 956

PROPOSAL
New direction cycle route signage
1. Industrial & Business Park
2. Promenade Park + Town centre

PROPOSAL
New direction cycle route signage
1. Industrial & Business Park
2. Promenade Park + Town centre

PROPOSAL
Extend dropped kerbing to improve cycle crossing

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS: **OUTLINE DESIGN**

Essex Highways

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County Hall, Chelmsford. CM1 1QH
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SCHEME TITLE: **LOCAL HIGHWAY PANEL CYCLEWAY IMPROVEMENTS LMAL004004**

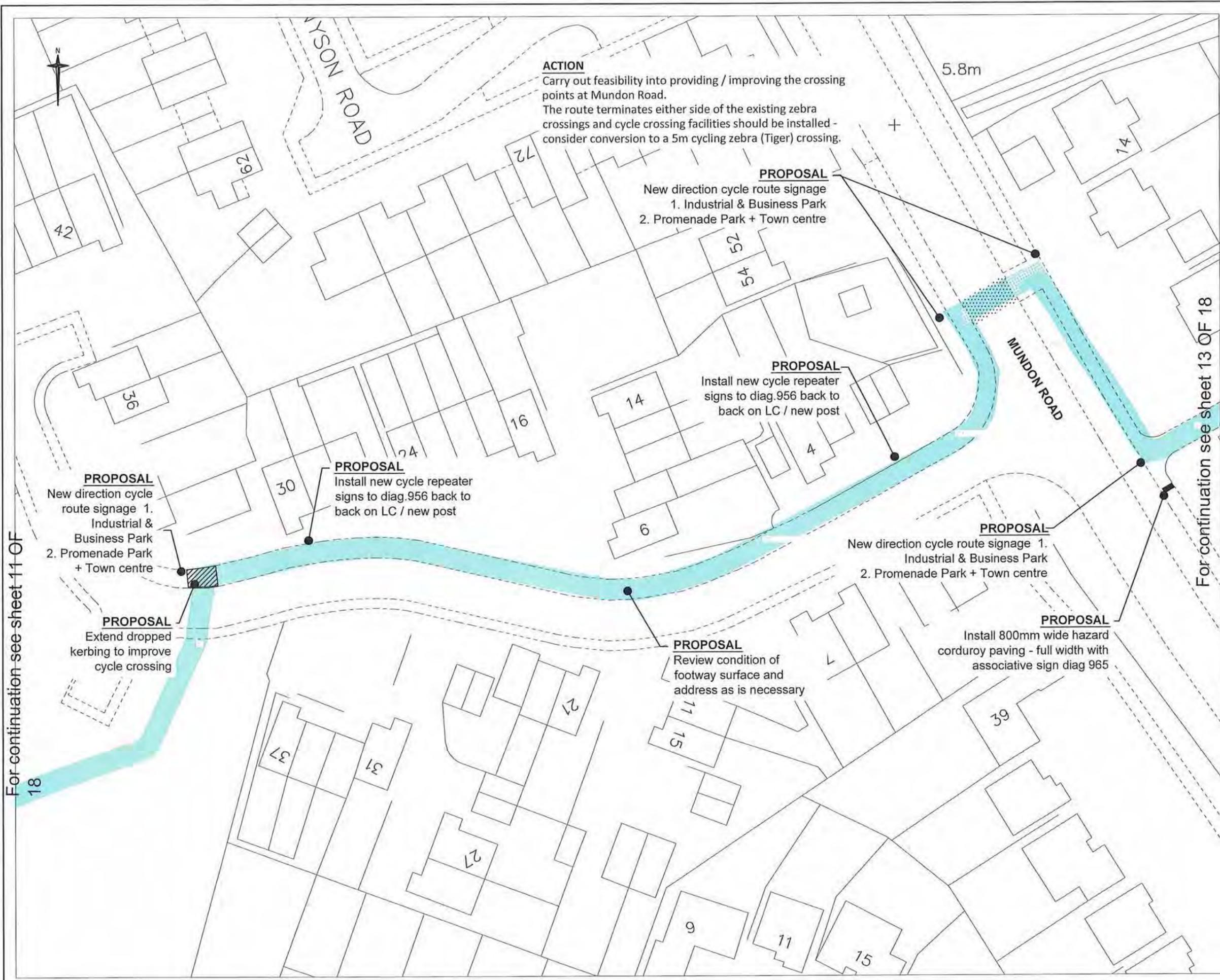
DRAWING TITLE: **WYCKE HILL TO PARK DRIVE OUTLINE DESIGN 11 OF 18**

| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|--------|---------|----------|----------|
| LCN | LCN | PH | LCN | MBS |
| | | | | |
| DATE | DATE | DATE | DATE | DATE |
| FEB 15 | FEB 15 | FEB 15 | FEB 15 | FEB 15 |

DRAWING UNITS U.I.U. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:500

DRAWING NO. **DC1913/000/011** REV. -

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ACTION
 Carry out feasibility into providing / improving the crossing points at Mundon Road.
 The route terminates either side of the existing zebra crossings and cycle crossing facilities should be installed - consider conversion to a 5m cycling zebra (Tiger) crossing.

PROPOSAL
 New direction cycle route signage
 1. Industrial & Business Park
 2. Promenade Park + Town centre

PROPOSAL
 Install new cycle repeater signs to diag.956 back to back on LC / new post

PROPOSAL
 Install new cycle repeater signs to diag.956 back to back on LC / new post

PROPOSAL
 New direction cycle route signage
 1. Industrial & Business Park
 2. Promenade Park + Town centre

PROPOSAL
 Extend dropped kerbing to improve cycle crossing

PROPOSAL
 Review condition of footway surface and address as is necessary

PROPOSAL
 New direction cycle route signage
 1. Industrial & Business Park
 2. Promenade Park + Town centre

PROPOSAL
 Install 800mm wide hazard corduroy paving - full width with associative sign diag 965

GENERAL CONSTRUCTION NOTES

- DO NOT SCALE FROM THIS DRAWING.
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- All diagram numbers refer to the Traffic Signs Regulations and General Directions 2002 and any amendment thereto.
- Mounting height of all signs to be a minimum of 2.4m in cycleways, unless otherwise stated.
- Sign posts shall be square 80mm for all destination signage and not protrude above the signface. Sign design to be to an 'x' ht of 25mm. All posts to be capped.
- Lateral clearance of all pedestrian guardrail, signs and bollards to be 0.45m min. from the edge of carriageway, unless otherwise stated.
- Any disturbance to existing grassed areas is to be made good with topsoil and seed.
- Existing segregation line, and associated markings are to be removed throughout.
- This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

- Signage to be installed on existing
- New signage to be installed and ref.
- Paving to be installed
- Paving to be removed
- Existing bollard

For continuation see sheet 11 OF 18

For continuation see sheet 13 OF 18

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS: **OUTLINE DESIGN**

Essex Highways

Ringway Jacobs working in partnership with Essex County Council

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 County Hall, Chelmsford, CM1 1QH
 Tel: 0845 6037631 © Essex County Council

SCHEME TITLE: **LOCAL HIGHWAY PANEL CYCLEWAY IMPROVEMENTS LMAL004004**

DRAWING TITLE: **WYCKE HILL TO PARK DRIVE OUTLINE DESIGN 12 OF 18**

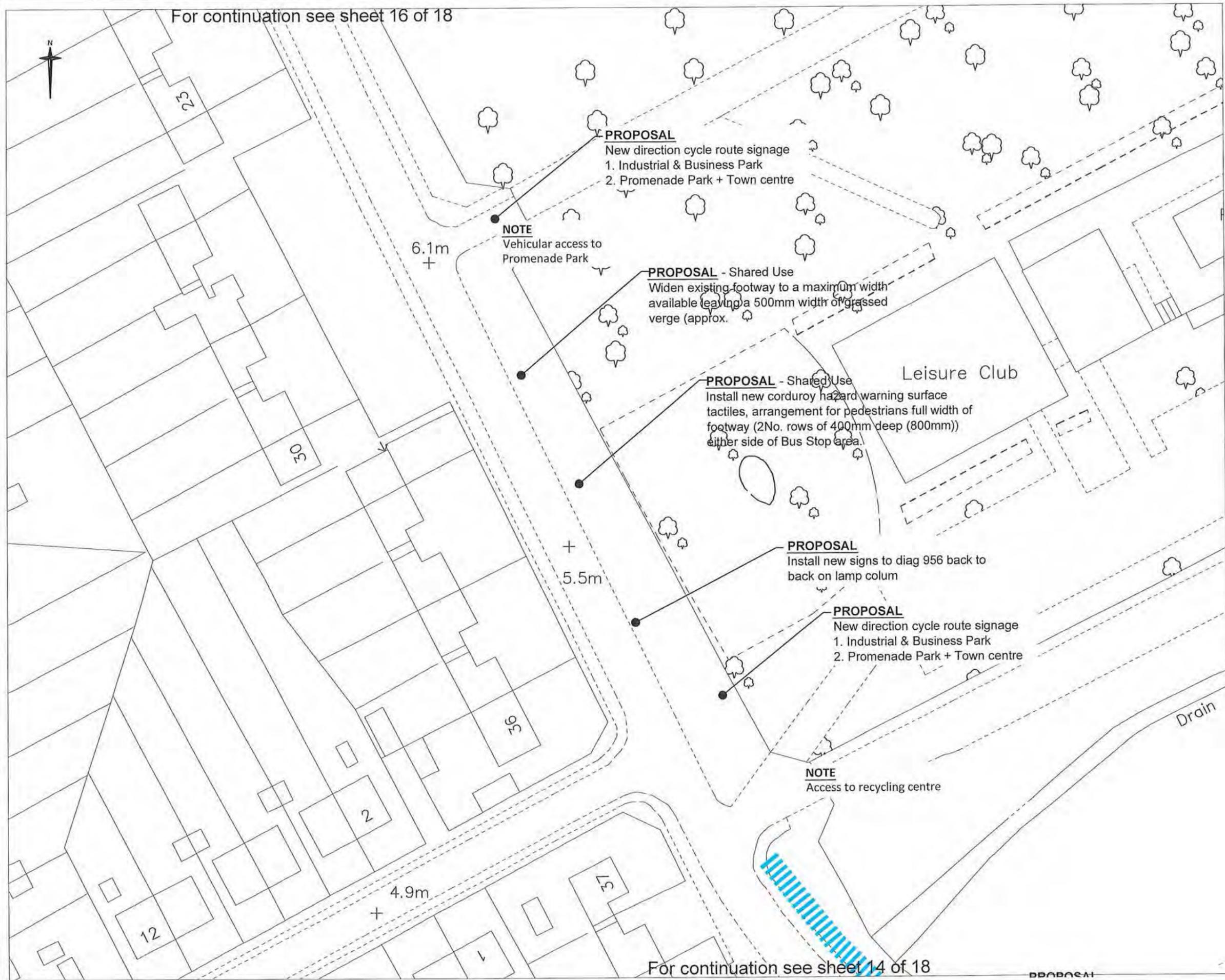
| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|-------|---------|----------|----------|
| LCN | LCN | PH | LCN | MBS |
| | | | | |

DRAWING UNITS U.I.C. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:500

DRAWING No. **DC1913/000/012** REV. -

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For continuation see sheet 16 of 18



For continuation see sheet 14 of 18

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3. All diagram numbers refer to the Traffic Signs Regulations and General Directions 2002 and any amendment thereto.
4. Mounting height of all signs to be a minimum of 2.4m in cycleways, unless otherwise stated.
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7. Any disturbance to existing grassed areas is to be made good with topsoil and seed.
8. Existing segregation line, and associated markings are to be removed throughout.
9. This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

| | |
|----------------|--------------------------------------|
| | New signing on existing |
| + | New signing to be installed and ref. |
| [Grid Pattern] | Paving to be installed |
| [Grid Pattern] | Paving to be removed |
| [Circle] | Existing bollard |

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

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SCHEME TITLE: **LOCAL HIGHWAY PANEL CYCLEWAY IMPROVEMENTS LMAL004004**

DRAWING TITLE: **WYCKE HILL TO PARK DRIVE OUTLINE DESIGN 15 OF 18**

| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|-------|---------|----------|----------|
| LCN | LCN | PH | LCN | MBS |
| | | | | |

DRAWING UNITS U.J.M.: DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm): 1:500
DRAWING No.: **DC1913/000/015**

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For continuation see sheet 18 of 18

Bowling Green

Tennis Courts



PROPOSAL
Install new signs to diag 956 back to back on lamp column

Pavilion

Pavilion

PROPOSAL
New direction cycle route signage
1. Industrial & Business Park
2. Promenade Park + Town centre

+
9.4m

+
8.5m

FITCHES CRESCENT

FITCHES CRESCENT

991

158

8

For continuation see sheet 16 of 18

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7. Any disturbance to existing grassed areas is to be made good with topsoil and seed.
8. Existing segregation line, and associated markings are to be removed throughout.
9. This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

- || New signing on existing
- ⊕ ⊖ New signing to be installed and ref.
- ▣ Paving to be installed
- ▣ Paving to be removed
- ⊙ Existing bollard

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS
OUTLINE DESIGN

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SCHEME TITLE
**LOCAL HIGHWAY PANEL
CYCLEWAY IMPROVEMENTS
LMAL004004**

DRAWING TITLE
**WYCKE HILL TO PARK DRIVE
OUTLINE DESIGN
15 OF 18**

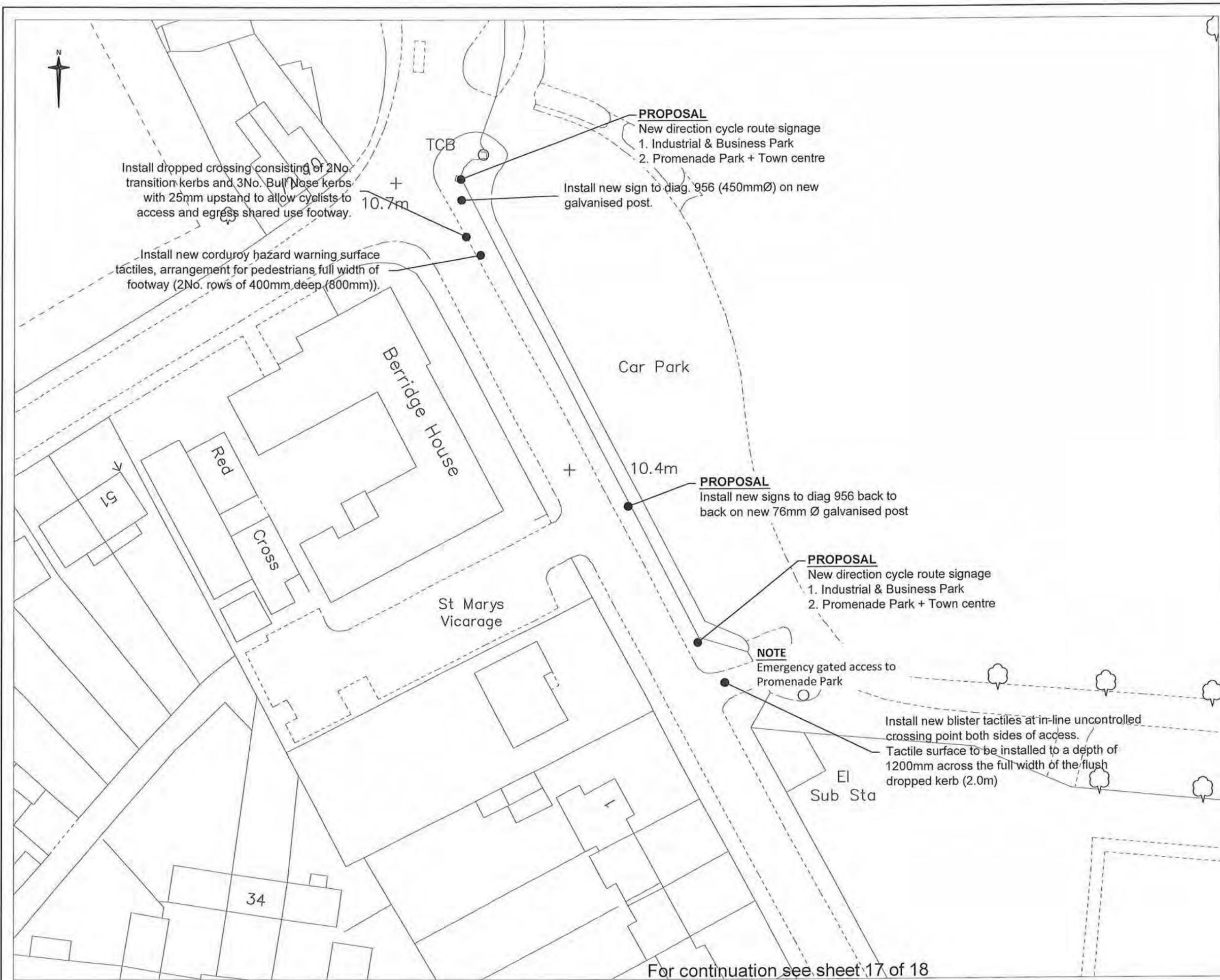
| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
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| LCN | LCN | PH | LCN | MBS |
| DATE | DATE | DATE | DATE | DATE |
| FEB 15 | FEB 15 | FEB 15 | FEB 15 | FEB 15 |

DRAWING UNITS U.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
1:500

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- Sign posts shall be square 80mm for all destination signage and not protrude above the signface. Sign design to be to an 'x' ht of 25mm. All posts to be capped.
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- Any disturbance to existing grassed areas is to be made good with topsoil and seed.
- Existing segregation line, and associated markings are to be removed throughout.
- This drawing is to be read in conjunction with drawing numbers DC1913/700/001 & DC1913/1200/001

LEGEND

| | |
|-----|--------------------------------------|
| | New signing on existing |
| ⊕ ⊖ | New signing to be installed and ref. |
| ▣ | Paving to be installed |
| ▣ | Paving to be removed |
| ⊙ | Existing bollard |

| REV. | DATE | AMENDMENT DESCRIPTION | DRAWN | CHECKED |
|------|------|-----------------------|-------|---------|
| | | | | |

DRAWING STATUS: **OUTLINE DESIGN**

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LOCAL HIGHWAY PANEL CYCLEWAY IMPROVEMENTS LMAL004004

WYCKE HILL TO PARK DRIVE OUTLINE DESIGN 18 OF 18

| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|--------|---------|----------|----------|
| LCN | LCN | PH | LCN | MBS |
| DATE | DATE | DATE | DATE | DATE |
| FEB 15 | FEB 15 | FEB 15 | FEB 15 | FEB 15 |

DRAWING UNITS U.S.G. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:500

DRAWING No: **DC1913/000/018** REV: -

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Technical Note

Maldon Local Highway Panel Viking Rd / Dorset Rd Verge Protection LMAL142003

| | |
|-------------|----------------|
| Job Number: | DC3465 |
| Doc Ref: | Technical Note |
| Author: | Adjeley Dsane |

Document History

| Revision | Purpose | Originated | Checked | Approved | Date |
|----------|---------|------------|---------|----------|----------|
| N/A | Issue | ADJ | SM | CB | 17/06/15 |
| | | | | | |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| | | |
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TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

1. Introduction

1.1. *Project Background*

Funding of £23,000 was approved by the Maldon Local Highways Panel (LHP) to monitor site conditions during a 3 month trial notification of ban on verge parking to be followed by the implementation of physical barriers on grassed verges outside Nos. 22 – 44 Viking Road and Nos. 1-13 & 49-67 Dorset Road, Maldon where damage to grass verge persists.

Scheme Description and detailed requirements

The above scheme proposal is taken from the Scheme Feasibility Report: **DC1699_Viking Road Verge Protection Feasibility Study.**

The Project Server commission requests the Highway Improvement Design Team (HIDT) to carry out a three month trial period of advisory 'No Parking on Grass Verges at Any Time', advising residents that if the trial fails, physical measures will be considered. If no improvement to the verges are observed, we are to proceed with the installation of timber bollards and / or low level fencing.

The Highway Improvement Design Team are required to:

1. Carry out an initial site condition survey – i.e. recording evidence of verge damage
2. Follow up with letter drop to residents advising them of the 3 month trial period
3. Carry out monthly review and monitoring of parking on grass verges at these locations
4. Update Client (LHP) and Network Management of the outcome of trial
5. Produce works pack to be passed for implementation if appropriate
6. Supervise and check the installation of the works
7. Inform the Client and Network Management accordingly

Target Dates

An **informal** notification (by means of a letter drop) for 'No Parking on Grass Verges at Any Time' undertaken along the entire length of Viking Road and Dorset Road, Maldon, commenced on 1st February 2015 for 3 months, ending 30th April 2015.

During the trial period of informal notification, the Design team carried out site visits and recorded parking behaviour on 28/01/2015, 25/02/2015 and 25/04/2015 during peak, off peak and weekend.

The notification advised an update in the form of a letter drop to residents at the end of the trial and before any works took place.

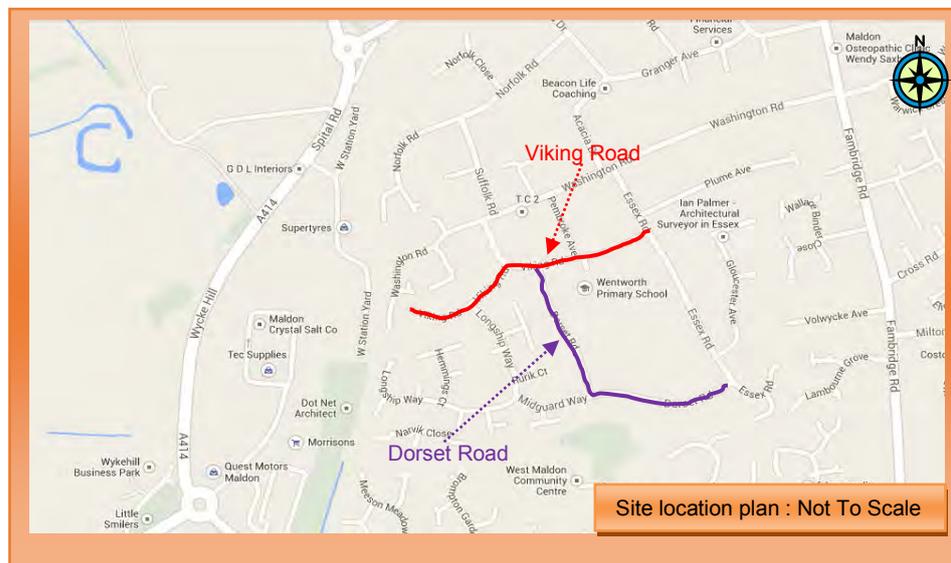
Subject to the approval by the LHP, it is proposed that any agreed physical measures to be implemented are delivered via Walk, Talk & Build process, aiming to have the works installed by end of August 2015.

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

2. Existing Conditions

2.1 Location

- Viking Road, Maldon: approximately 420m in length is a street lit residential road which forms a junction with Essex Road to the east and a 'no through road' at the west end.
- Dorset Road, Maldon: approximately 460m in length, forms junctions with Viking Road to the north, Midguard Way to the south and Essex Road to the east.



*Fig 1.1 – Site Location

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

2.2 *Land Use*

- Both Viking Road and Dorset Road are two way single carriageway bus routes, predominantly residential with driveway accesses fronting properties.
- There are four bus stops along Dorset Road.
- Wentworth Primary School is located off Viking Road near the junction with Dorset Road and therefore has enforceable school entrance markings and junction protection (double yellow lines) opposite the school entrance.
- A 30mph speed limit applies to both roads.

3. Pre-notification period weekday site monitoring

3.1 Viking Road – 28th January 2015 visit

- **Outside Nos. 22 - 44**

| Photo 1 | Comments |
|--|---|
|  | <p><i>Evidence of uneven verge surface believed to be direct result from vehicle over-running outside verge area fronting property Nos. 22 – 44 Viking Road</i></p> |
| Photo 2 | Comments |
|  | <p><i>Evidence of wheel tracks at verge area fronting property Nos. 22 – 44 Viking Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 3 | Comments |
|--|---|
|  | <p><i>Wheel tracks at verge area outside Nos. 22 – 44 Viking Road.</i></p> |
| Photo 4 | Comments |
|  | <p><i>Additional wheel tracks at verge area outside Nos. 22 – 44 Viking Road.</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

3.2 Dorset Road – 28th January 2015 visit

- **Outside Nos. 1 - 19**

| Photo 1 | Comments |
|---|---|
|  | <p><i>Damage to verge resulting in uneven surface, the type associated with vehicle over-running.</i></p> <p><i>Area fronting property Nos. 5 – 7 Dorset Road</i></p> |

| Photo 2 | Comments |
|--|--|
|  | <p><i>Rutting to verge. Potential slip, trip and fall hazard outside No. 7 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 3 | Comments |
|--|---|
|  | <p><i>Rutting to verge. Potential slip, trip and fall hazard outside No. 7 Dorset Road</i></p> <p><i>Wheel damage evident at this location.</i></p> |
| Photo 4 | Comments |
|  | <p><i>Evidence of wheel tracks and damage to verge area fronting property Nos. 9 – 11 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 5 | Comments |
|--|---|
|  | <p><i>Evidence of wheel tracks and verge damage to areas fronting property Nos. 13 – 15 Dorset Road</i></p> |
| Photo 6 | Comments |
|  | <p><i>Potential slip trip or fall hazard to verge area fronting property Nos. 13 – 15 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 7 | Comments |
|---|--|
|  | <p><i>Evidence of wheel tracks and verge damage fronting property Nos. 13 – 15 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

- **Outside Nos. 49 - 67**

| Photo 1 | Comments |
|---|--|
|  | <p><i>Evidence of uneven verge surface believed to be direct result from vehicle over-running at area fronting property Nos. 49 – 67 Dorset Road – west side</i></p> |

| Photo 2 | Comments |
|--|--|
|  | <p><i>Evidence of wheel tracks and damage to verge area fronting property Nos. 49 – 67 Dorset Road – east side</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 3 | Comments |
|--|--|
|  | <p><i>Evidence of wheel tracks at wide verge area fronting property Nos. 49 – 67 Dorset Road</i></p> |
| Photo 4 | Comments |
|  | <p><i>Uneven verge area fronting property Nos. 49 – 67 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 5 | Comments |
|---|--|
|  | <p><i>Evidence of wheel track to verge area at the side of property Nos. 69 – 71 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

4. Notification period morning peak site monitoring

4.1 Viking Road – 25th February 2015 visit

- **Outside Nos. 22 - 44**

| Photo 1 | Comments |
|--|---|
|  | <p><i>One month on -</i></p> <p><i>Still evidence of wheel tracks to wide verge area fronting property Nos. 22 – 44 Viking Road</i></p> |
| Photo 2 | Comments |
|  | <p><i>One month on -</i></p> <p><i>Uneven ground with the potential for slip, trip and fall hazards outside verge area fronting property Nos. 22 – 44 Viking Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 3 | Comments |
|--|--|
|  | <p><i>One month on -</i></p> <p><i>Evidence of wheel tracks / damage to wide verge area fronting property Nos. 22 – 44 Viking Road</i></p> |
| Photo 4 | Comments |
|  | <p><i>One month on -</i></p> <p><i>Evidence of wheel tracks at wide verge area fronting property Nos. 22 – 44 Viking Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 5 | Comments |
|--|--|
|  | <p><i>One month on -</i></p> <p><i>Evidence of wheel tracks at wide verge area fronting property Nos. 22 – 44 Viking Road</i></p> |
| Photo 6 | Comments |
|  | <p><i>One month on -</i></p> <p><i>Evidence of verge rutting caused by wheel tracks to verge area fronting property Nos. 22 – 44 Viking Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

4.2 Dorset Road – 25th February 2015 visit

- **Outside Nos. 1 - 19**

| Photo 1 | Comments |
|---|--|
|  | <p><i>One month on -</i></p> <p><i>No damage observed at verge area fronting property Nos. 17 – 19 Dorset Road</i></p> |

| Photo 2 | Comments |
|--|--|
|  | <p><i>One month on -</i></p> <p><i>Still evidence of wheel tracks to verge area fronting property Nos. 5 - 7 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 3 | Comments |
|--|---|
|  | <p><i>One month on -</i></p> <p><i>There are still evidence of verge damage fronting property Nos. 5 - 7 Dorset Road</i></p> |
| Photo 4 | Comments |
|  | <p><i>One month on -</i></p> <p><i>There are still evidence of wheel tracks at verge area fronting property Nos. 9 – 11 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 5 | Comments |
|--|--|
|  | <p><i>One month on</i></p> <p><i>No change to damage fronting property Nos. 9 – 11 Dorset Road</i></p> |
| Photo 6 | Comments |
|  | <p><i>One month on</i></p> <p><i>No improvement to verge damage fronting property Nos. 13 – 15 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 7 | Comments |
|---|---|
|  | <p><i>One month on</i></p> <p><i>There are some evidence of verge damage fronting property Nos. 17 – 19 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

- **Outside Nos. 49 - 67**

| Photo 1 | Comments |
|---|---|
|  | <p><i>One month on</i></p> <p><i>There are still evidence of wheel tracks and damage to verge area fronting property Nos. 49 – 67 Dorset Road – east side</i></p> |

| Photo 2 | Comments |
|--|---|
|  | <p><i>One month on</i></p> <p><i>Evidence of wheel tracks at wide verge area fronting property Nos. 49 – 67 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 3 | Comments |
|--|---|
|  | <p><i>One month on</i></p> <p><i>No improvement to verge damage fronting property Nos. 49 – 67 Dorset Road (west side)</i></p> |
| Photo 4 | Comments |
|  | <p><i>One month on</i></p> <p><i>No improvement to verge damage fronting property Nos. 49 – 67 Dorset Road (north side)</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 5 | Comments |
|---|--|
|  | <p><i>One month on -</i></p> <p><i>No improvement to verge damage at the side of property Nos. 69 – 71 Dorset Road</i></p> |

5. Notification period weekend site monitoring

5.1 Viking Road – 25th April 2015 visit

- **Outside Nos. 22 - 44**

| Photo 1 | Comments |
|--|--|
|  | <p><i>Three months on -</i></p> <p><i>Some residual damage to wide verge area fronting property Nos. 22 – 44 Viking Road</i></p> |
| Photo 2 | Comments |
|  | <p><i>Three months on -</i></p> <p><i>Evidence of vehicle over-runs at area fronting property Nos. 22 – 44 Viking Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 3 | Comments |
|--|--|
|  | <p><i>Three months on - Surface improved / dried up but still shows evidence of vehicle over-runs to verge area fronting property Nos. 22 – 44 Viking Road</i></p> |
| Photo 4 | Comments |
|  | <p><i>Three months on - Surface improved / dried up but still shows evidence of vehicle over-runs to verge area fronting property Nos. 22 – 44 Viking Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 5 | Comments |
|--|--|
|  | <p><i>Three months on - Surface improved / dried up but still shows evidence of vehicle over-runs to verge area fronting property Nos. 22 – 44 Viking Road</i></p> |
| Photo 6 | Comments |
|  | <p><i>Three months on - Surface improved / dried up but still shows evidence of vehicle over-runs to verge area fronting property Nos. 22 – 44 Viking Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

5.2 Dorset Road – 25th April 2015 visit

- Outside Nos. 1 - 19

| Photo 1 | Comments |
|--|---|
|  | <p>Three months on - No damage observed at verge area fronting property Nos. 1 – 3 Dorset Road</p> |
| Photo 2 | Comments |
|  | <p>Three months on - No change to evidence of wheel tracks to verge area fronting property Nos. 5 - 7 Dorset Road</p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 3 | Comments |
|--|--|
|  | <p><i>Three months on -</i></p> <p><i>No change to evidence of wheel tracks to verge area fronting property Nos. 9 - 11 Dorset Road</i></p> |
| Photo 4 | Comments |
|  | <p><i>Three months on -</i></p> <p><i>Residual damage evidence of wheel tracks to verge area fronting property Nos. 9 - 11 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 5 | Comments |
|--|--|
|  | <p><i>Three months on -</i></p> <p><i>No change to evidence of wheel tracks to verge area fronting property Nos. 13 – 15 Dorset Road</i></p> |
| Photo 6 | Comments |
|  | <p><i>Three months on -</i></p> <p><i>No change to evidence of wheel tracks to verge area fronting property Nos. 13 – 15 Dorset Road</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

- **Outside Nos. 49 - 67**

| Photo 1 | Comments |
|---|---|
|  | <p><i>Three months on -</i></p> <p><i>Surface improved / dried up but still shows evidence of vehicle over-runs to fronting property Nos. 49 – 67 Dorset Road (east side)</i></p> |

| Photo 2 | Comments |
|---|---|
|  | <p><i>Three months on -</i></p> <p><i>Surface improved / dried up but still shows evidence of vehicle over-runs to fronting property Nos. 49 – 67 Dorset Road (west side)</i></p> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| Photo 3 | Comments |
|--|---|
|  | <p><i>Three months on -</i></p> <p><i>Surface improved / dried up but still shows evidence of vehicle over-runs to fronting property Nos. 49 – 67 Dorset Road (east site)</i></p> |
| Photo 4 | Comments |
|  | <p><i>Three months on -</i></p> <p><i>No change to evidence of wheel tracks to verge area fronting property Nos. 49 – 67 Dorset Road</i></p> |

6. Informal 3-month notification ban on verge parking

A letter drop was undertaken on Friday 24th January 2015 to all properties on Viking Road and Dorset Road.

This equated to approximately 44 properties on Viking Road and 96 properties on Dorset Road making a sum total of approximately 140 properties.

Out of the 140 properties notified, only five responses were received.

6.1 Summary of comments on Informal Notification received

The table below shows responses for Informal notification received for the period between 1st February 2015 and 30th April 2015.

| | Commentator | Main comments | Officer response |
|---|---|--|---|
| A | Resident (Viking Road) – Via telephone conversation – 23 rd January 2015 | <i>Site monitoring to include early morning and late visits as the 9 – 5 stated in the letter will not give a true picture of the parking behaviour at this location.</i> | <i>Comments have been taken on board and some very early and late site monitoring shall be considered.</i> |
| B | Resident (Dorset Road) - Via telephone conversation – 26 th January 2015 | <i>The proposal is accepted however, could residents be offered a right to buy grassed areas to convert parking such as grass-crete carriageway construction. Also could we send narrower buses along the route 90 outside Dorset Road as the double-deckers on this route is not practical. Most residents park on the grass verge to avoid their mirrors being clipped by the double-deckers.</i> | <i>Comments received regarding hardening of verge areas will be passed to the Maldon Highway Panel for consideration and the practicality of using narrower buses along route 90 (via Viking Road / Dorset Road) will be passed on to Passenger Transport.</i> |
| C | Head teacher (Wentworth Primary School) Via email - 26 th January 2015 | <i>One of my local Maldon school parents brought a copy of your letter drop (Reference D 346501) to the school office informing local residents of your feasibility study to implement physical measures to stop verge parking in the school vicinity. I welcome this move but would have liked someone to contact me or the Chair of Governors as a common courtesy and to ask the school's opinion of the proposed action, especially your planned</i> | <i>Thank you for your email in respect of the Viking Road/Dorset Road consultation letter. It was proposed that letters informing residents of our intentions were delivered to all frontages along both Viking Road and Dorset Road. Unfortunately your school was not letter dropped and for this I sincerely apologise. I have attached a copy of the letter to</i> |

TECHNICAL NOTE – DC3465_Viking Road / Dorset Road, Maldon Verge Protection Works

| | | | |
|---|---|--|---|
| | | <p><i>visit to the site and recording parking. A copy of the residents' letter would also have been welcome.</i></p> <p><i>Your proposal of recording parking from 9am will not produce many, if any, inappropriate parking as our school opens at 8.40am with most parents leaving the area before 9am. I suggest your traffic team arrive for 8.30am to gain a more realistic picture of parking during the morning peak time. For your information - school finishes at 3.15pm so random checks would be more valuable for your trial from 2.45pm. During other times of the day the area is quite quiet with most school staff and visitors parking in the school car parks. The school regularly reminds parents, through newsletters, to show our neighbours respect and not to park across drives or on corners.</i></p> <p><i>Several years ago we worked with the highway team to have double yellow lines painted on the most challenging corners which has had a positive affect.</i></p> <p><i>I would be grateful for a response to this email.</i></p> | <p><i>this email for your information.</i></p> <p><i>Your comments regarding the site monitoring times have been noted and we will extend our site visiting times to include early morning, late afternoons, evenings and also during the school run times.</i></p> <p><i>I will be writing to you again at the end of the trial notification to advise you of the outcome and our intentions.</i></p> <p><i>Please let me know if you require any further information.</i></p> |
| D | Resident (Nos. 22 – 44 Viking Road) – during site visit – 25 th April 2015 | <p><i>Resident believes this damage is caused by one family who moved in a few years ago. She's made reports to the housing department but to date nothing has been done about it and now Essex highways is planning to install physical measures.</i></p> | <p><i>Thank you for your comments regarding the above. We will be writing to residents again at the end of the trial notification to advise all of the outcome and our intentions.</i></p> |
| E | Resident (Dorset Road) – telephone conversation – 19 th May 2015 | <p><i>The proposal is accepted however, could residents be offered a right to buy grassed areas to convert to parking using grasscrete concrete type carriageway construction? Her husband has already spoken to Cllr Kelly regarding this request</i></p> | <p><i>As we have come to the end of the consultation, I am preparing a report for the panel and your comments regarding verge hardening for parking will be included. Residents will be notified of the outcome of this notification period before proposed measures if any are implemented.</i></p> |

7. Recorded Site Data Search

7.1 Highway Boundary Plan



8. Conclusions

Option 1 – No works

Informal notification to stop parking on grass verges at the above sites has been successful in some areas.

Furthermore, the 'summary of comments' shows the lack of interest from the affected frontages.

Option 2 – Implementation of physical measures

To proceed with the installation of physical measures at all the above proposed locations, as previously recommended. This will remove the need to re-visit / re-assess the site if the damage to verge areas are transferred to areas omitted during the implementation of measures, because they were seen to have improved during notification period. (Appendix A)

9. Recommendations

Following on from the panel decision:

To inform the residents of the outcome of the three month trial and the LHP decision, before any measures are implemented.

The LHP to consider the conversion of some verge areas (outside Nos. 1 – 19 Dorset Road) to grasscrete construction, where feasible, to encourage workable parking thereby, removing obstruction to driveway accesses (in reference to comments 'B & E').

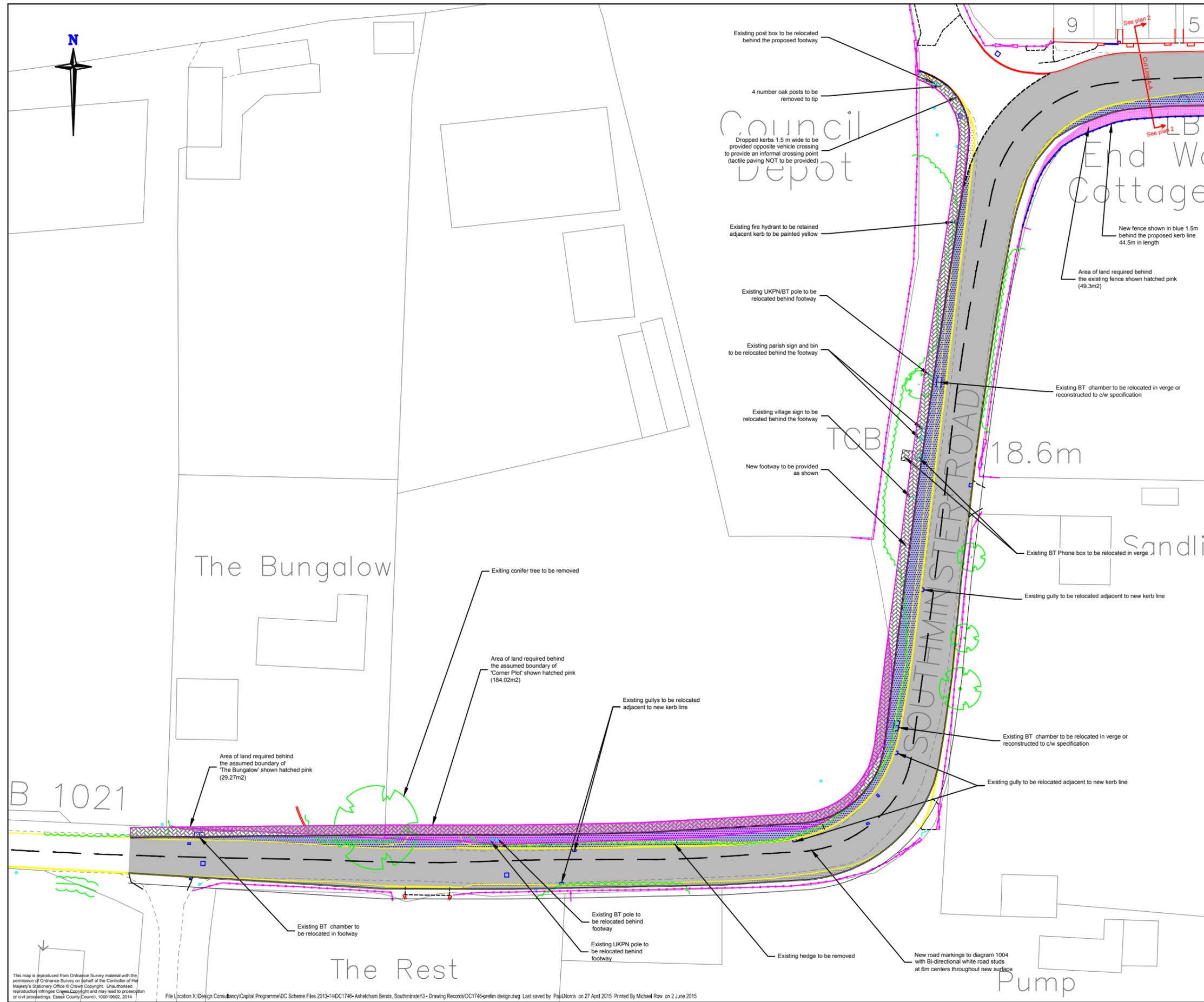
The LHP to consult with Parking Partnership on enforcement outside the school gates during school drop off and pick up times (in reference to comment C received).

The LHP to consider a scheme validation request for junction protection at Viking Road, between its junction with Cumberland Road and Dorset Road.



10. Appendix A: Option 2 – Scheme Proposal

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- Notes**
1. Do not scale. This drawing is to be read in conjunction with all other contract drawings and documents.
 2. All works to be in accordance with the Specification for Highway Works and Essex County Council Specifications and Standard Construction Drawings.
 3. The positions of apparatus given on this drawing are indicative only and the contractor must confirm the location of plant prior to any excavation.
 4. All traffic signs and lines are to comply with The Traffic Signs Regulations and General Directions 2002. Markings are to be white thermoplastic screed with applied solid glass beads unless otherwise stated.
 5. Location of all new signs to be verified on site prior to erection. When erected sign plates shall have a desirable clearance of 1.0m from the edge of the carriageway. The absolute minimum clearance from the sign plate to the edge of carriageway shall be 450mm.
 6. All existing signs to be retained unless stated otherwise. Existing signs to be cleaned and any overhanging trees or bushes to be lopped or trimmed to maintain proper visibility to signs. Any defects to existing signs and/or posts noted by the Contractor during the works to be reported to the Engineer.
 7. Drainage details are indicative only and outfall directions are to be clarified once a drainage survey has been undertaken.
 8. Land is required for the widening scheme. It should be noted that no agreement has been reached with land owners at this stage of the project and thus the areas shown hatched pink.

Key

| | |
|--|--|
| | Existing kerb line (surveyed) to be retained |
| | Existing kerb line (surveyed) to be replaced |
| | Existing Kerb line (OS) |
| | Existing hedge line |
| | Proposed new kerb line |
| | Proposed area of carriageway widening |
| | Proposed area of land required |
| | New footpath |
| | New surface course |
| | Existing fencing |
| | Proposed fencing |

| Rev. | Date | Description of revision | Drawn | Checked | Reviewed | Approved |
|--------------------|------|-------------------------|-------|---------|----------|----------|
| CHECK PRINT | | | | | | |

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Essex Highways

Ringway Jacobs working in partnership with

Mark Rowe, Service Director, Essex Highways
County Hall, Chelmsford, CM1 1QH
Tel: 0845 6037631
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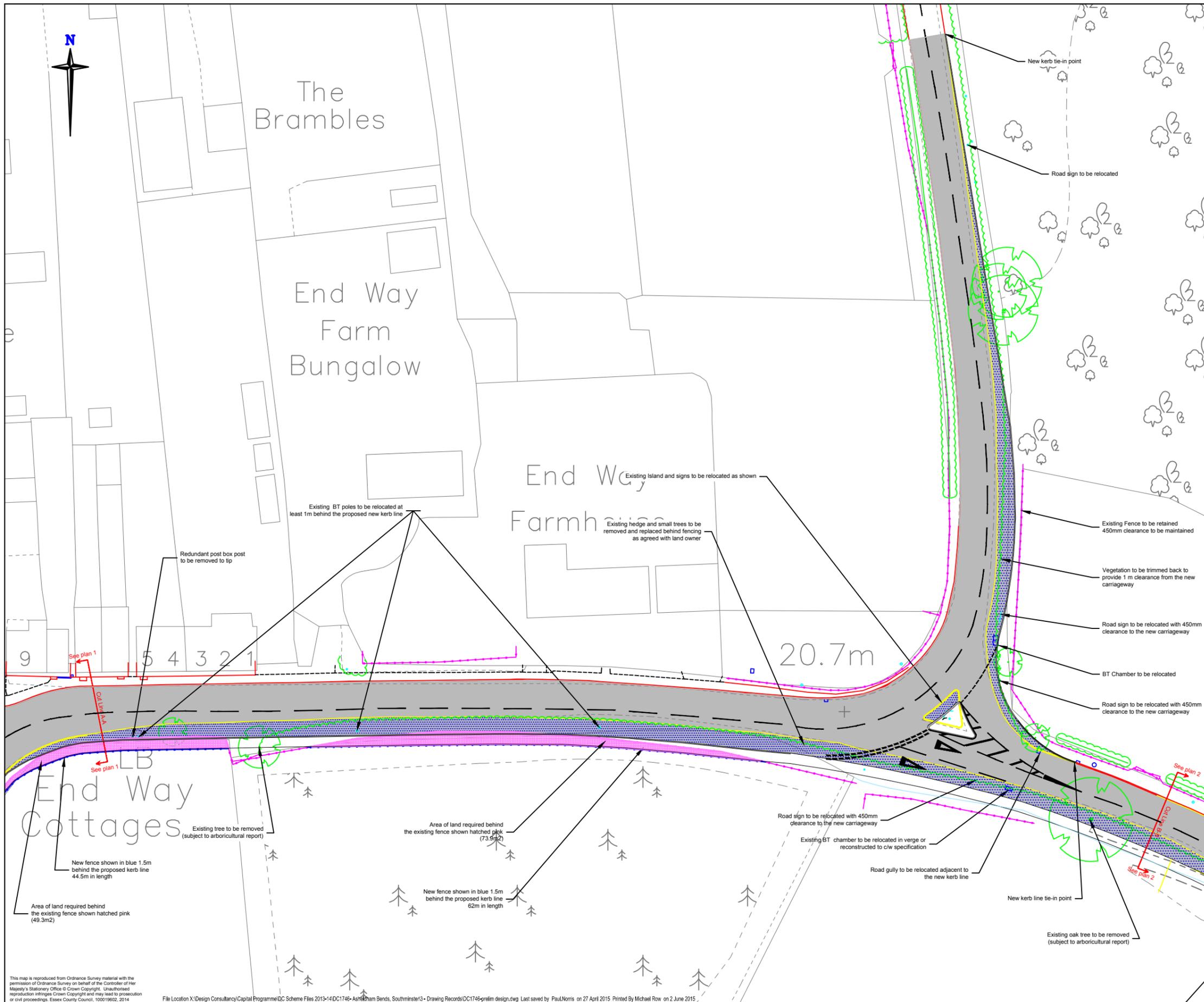
SCHEME TITLE: **ASHELDHAM VILLAGE BEND IMPROVEMENTS LMAL001006**

DRAWING TITLE: **GENERAL ARRANGEMENT PLAN 1 OF 4**

| | | | | |
|---|-----------------|----------------------------------|----------|----------|
| DESIGNED P.J.N. | DRAWN P.J.N. | CHECKED DRAFT | REVIEWED | APPROVED |
| DATE MAR 15 | DATE MAR 15 | DATE | DATE | DATE |
| DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES | | SCALE AT A1 (841x594mm) 1:250 | | |

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 7. Drainage details are indicative only and outfall directions are to be clarified once a drainage survey has been undertaken.
 8. Land is required for the widening scheme, it should be noted that no agreement has been reached with land owners at this stage of the project and thus the areas shown hatched pink

- Key**
- Existing kerb line (surveyed) to be retained
 - Existing kerb line (surveyed) to be replaced
 - Existing Kerb line (OS)
 - Existing hedge line
 - Proposed new kerb line
 - Proposed area of carriageway widening
 - Proposed area of land required
 - New footpath
 - New surface course
 - Existing fencing
 - Proposed fencing

| Rev. | Date | Description of revision | Drawn | Checked | Reviewed | Approved |
|--------------------|------|-------------------------|-------|---------|----------|----------|
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Essex Highways

Ringway Jacobs working in partnership with Essex County Council

Mark Rowe, Service Director, Essex Highways
County Hall, Chelmsford, CM1 1QH
Tel: 0645 6037631

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SCHEME TITLE: **ASHELDHAM VILLAGE BEND IMPROVEMENTS LMAL001006**

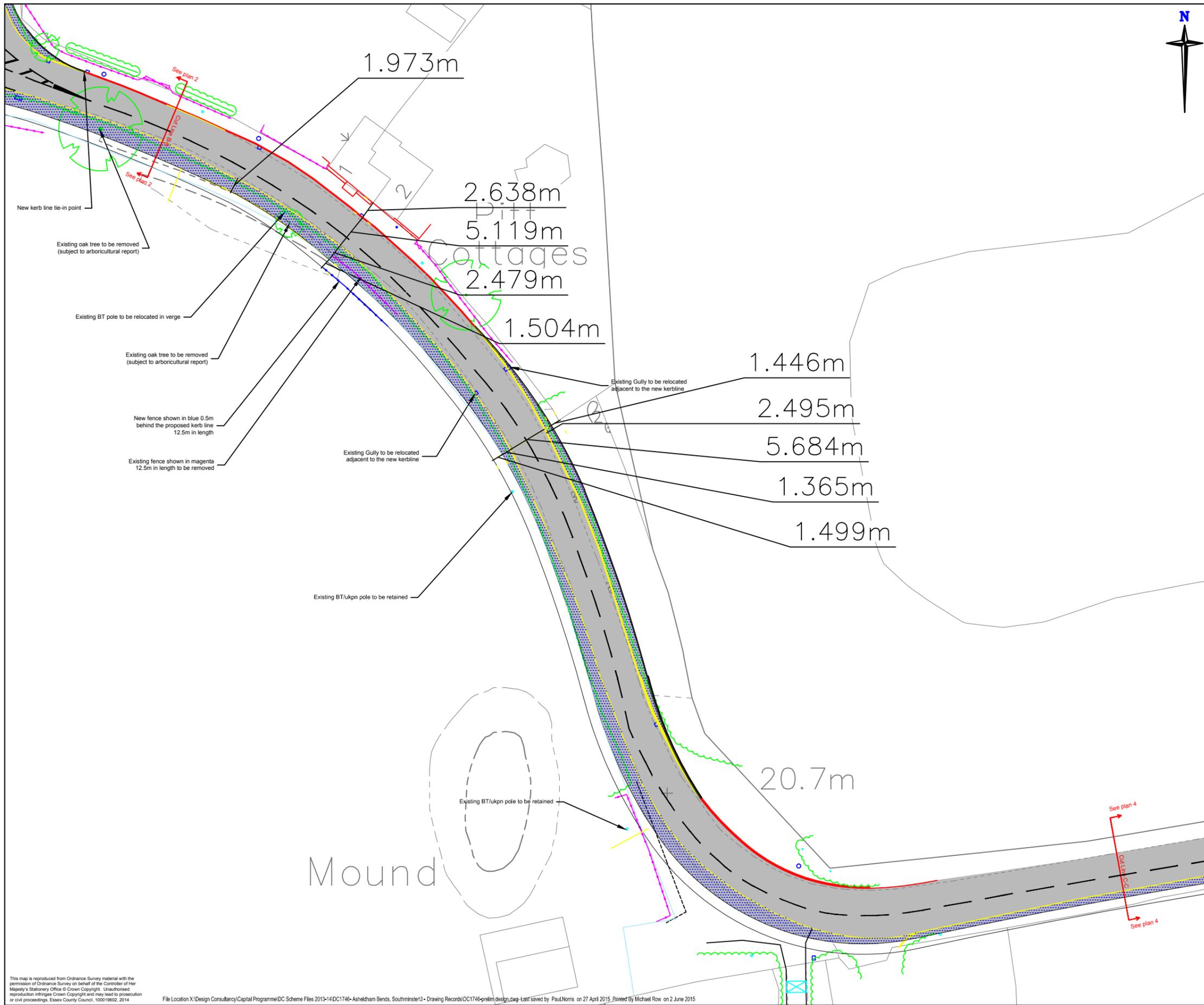
DRAWING TITLE: **GENERAL ARRANGEMENT PLAN 2 OF 4**

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|---|-----------------|-------------------------|---|----------|
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| DATE MAR 15 | DATE MAR 15 | DATE | DATE | DATE |
| DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES | | | SCALE AT A1 (841x594mm) LEVELS IN METRES | |
| 1:250 | | | | |

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 - Land is required for the widening scheme, it should be noted that not agreement has been reached with land owners at this stage of the project and thus the areas shown hatched pink

- Key**
- Existing kerb line (surveyed) to be retained
 - Existing kerb line (surveyed) to be replaced
 - Existing Kerb line (OS)
 - ~ Existing hedge line
 - Proposed new kerb line
 - Proposed area of carriageway widening
 - Proposed area of land required
 - New footpath
 - New surface course
 - - - Existing fencing
 - - - Proposed fencing

| Rev. | Date | Description of revision | Drawn | Checked | Reviewed | Approved |
|--------------------|------|-------------------------|-------|---------|----------|----------|
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DRAWING TITLE: **GENERAL ARRANGEMENT PLAN 3 OF 4**

| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|-------|---------|----------|----------|
| PJN | PJN | | | |

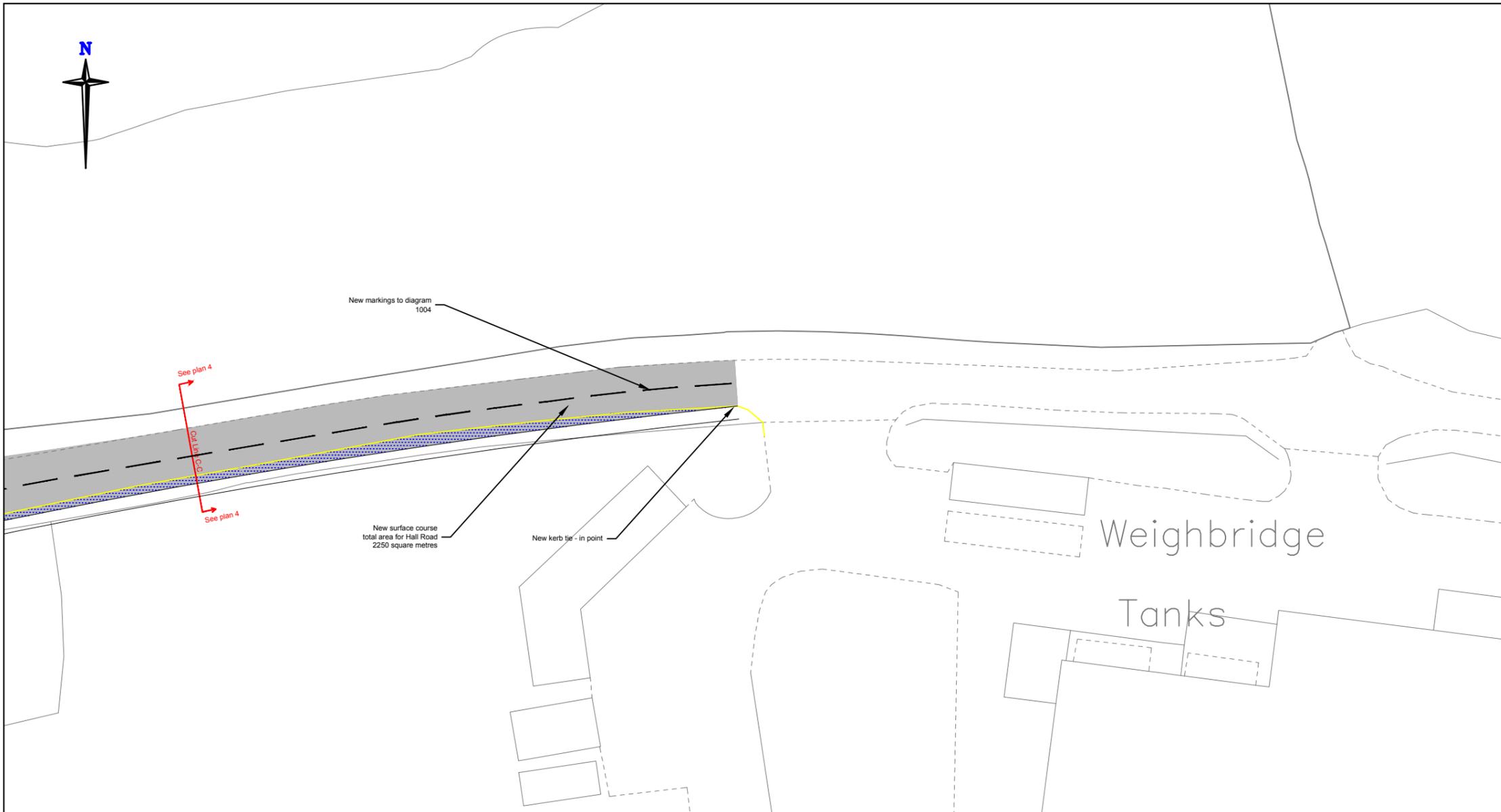
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 LEVELS IN METRES

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1:250

DRAWING No. **DC1746-100-003** REV: -

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- Notes**
1. Do not scale. This drawing is to be read in conjunction with all other contract drawings and documents.
 2. All works to be in accordance with the Specification for Highway Works and Essex County Council Specifications and Standard Construction Drawings.
 3. The positions of apparatus given on this drawing are indicative only and the contractor must confirm the location of plant prior to any excavation.
 4. All traffic signs and lines are to comply with The Traffic Signs Regulations and General Directions 2002. Markings are to be white thermoplastic screed with applied solid glass beads unless otherwise stated.
 5. Location of all new signs to be verified on site prior to erection. When erected sign plates shall have a desirable clearance of 1.0m from the edge of the carriageway. The absolute minimum clearance from the sign plate to the edge of carriageway shall be 450mm.
 6. All existing signs to be retained unless stated otherwise. Existing signs to be cleaned and any overhanging trees or bushes to be lopped or trimmed to maintain proper visibility to signs. Any defects to existing signs and/or posts noted by the Contractor during the works to be reported to the Engineer.
 7. Drainage details are indicative only and outfall directions are to be clarified once a drainage survey has been undertaken.
 8. Land is required for the widening scheme, it should be noted that no agreement has been reached with land owners at this stage of the project and thus the areas shown hatched pink

- Key**
- Existing kerb line (surveyed) to be retained
 - Existing kerb line (surveyed) to be replaced
 - Existing Kerb line (OS)
 - Existing hedge line
 - Proposed new kerb line
 - Proposed area of carriageway widening
 - Proposed area of land required
 - New footpath
 - New surface course
 - Existing fencing
 - Proposed fencing

| Rev. | Date | Description of revision | Drawn | Checked | Reviewed | Approved |
|--------------------|------|-------------------------|-------|---------|----------|----------|
| CHECK PRINT | | | | | | |

DRAWING STATUS: **FOR COSTING**

Ringway Jacobs working in partnership with Essex County Council

Mark Rowe, Service Director, Essex Highways
County Hall, Chelmsford, CM1 1QH
Tel: 0845 6037631

SCHEME TITLE: **ASHELDHAM VILLAGE BEND IMPROVEMENTS LMAL001006**

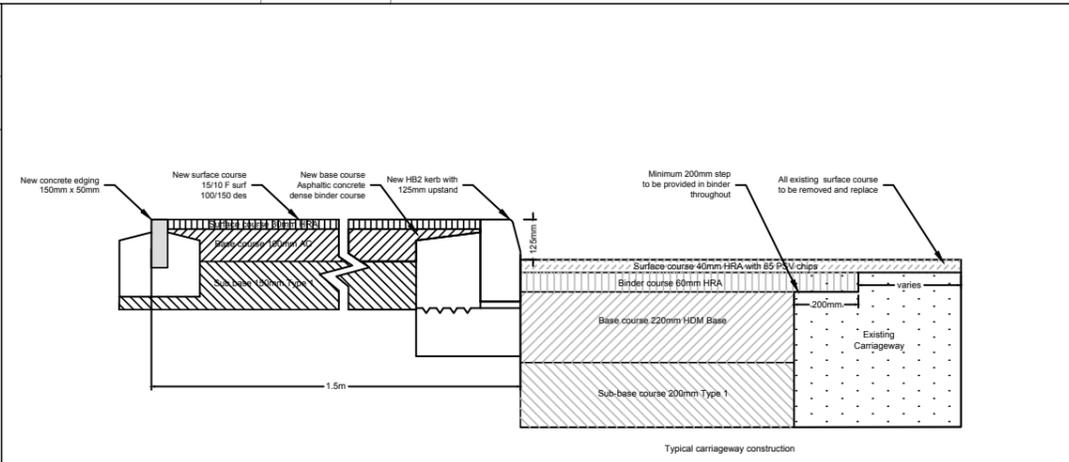
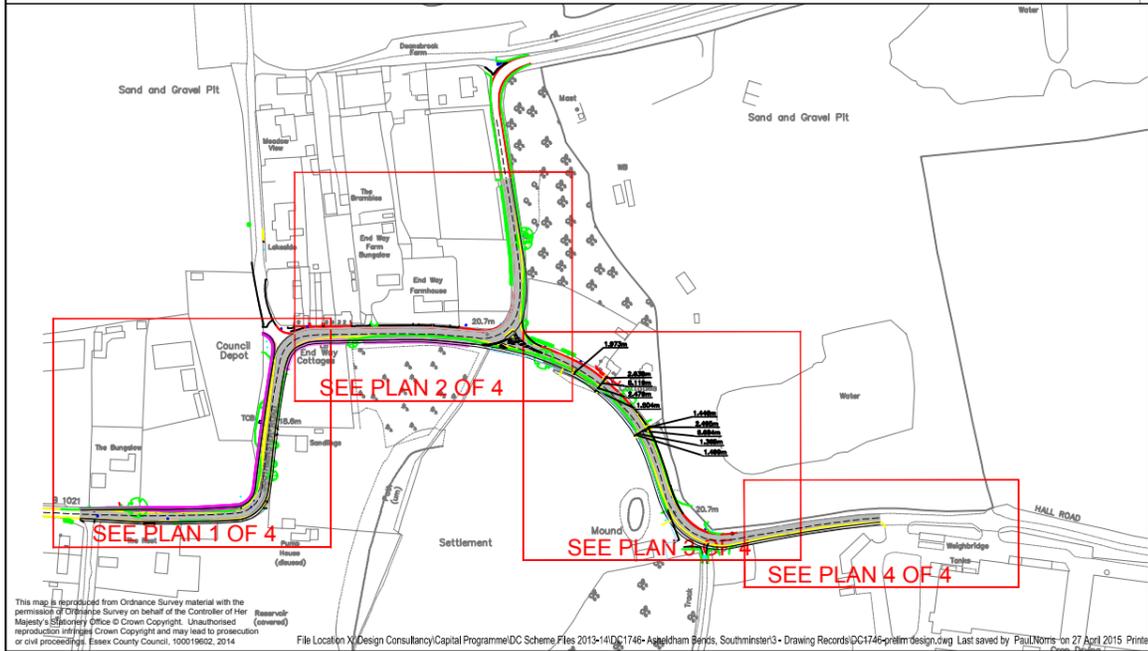
DRAWING TITLE: **GENERAL ARRANGEMENT PLAN 4 OF 4**

| DESIGNED | DRAWN | CHECKED | REVIEWED | APPROVED |
|----------|--------|--------------|----------|----------|
| PJN | PJN | DRAFT | | |
| DATE | DATE | DATE | DATE | DATE |
| MAR 15 | MAR 15 | | | |

DRAWING UNITS U.N.O.: DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

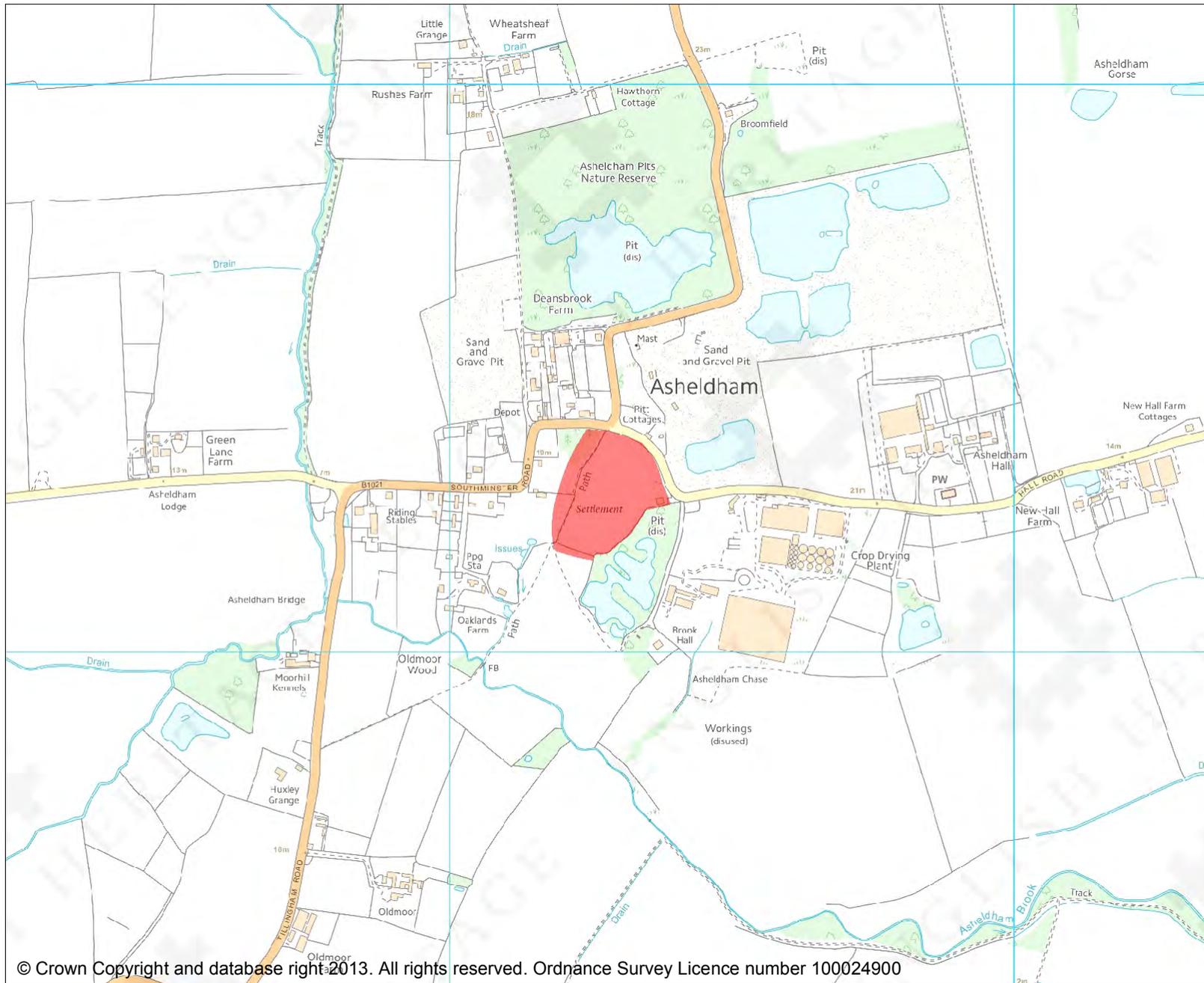
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DRAWING No: **DC1746-100-004**



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File Location X:\Design Consultancy\Capital Programme\DC Scheme Files 2013-14\DC1746- Asheldham Bends, Southminster\3 - Drawing Records\DC1746-prelim design.dwg Last saved by Paul.Norris on 27 April 2015 Printed By Michael Row on 2 June 2015



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This is an A4 sized map and should be printed full size at A4 with no page scaling set.

Name: Slight univallate hillfort south of End Way Farm

Heritage Category: Scheduling
List Entry No : 1014142

County: Essex
District: Maldon
Parish: Asheldham

Each official record of a scheduled monument contains a map. New entries on the schedule from 1988 onwards include a digitally created map which forms part of the official record. For entries created in the years up to and including 1987 a hand-drawn map forms part of the official record. The map here has been translated from the official map and that process may have introduced inaccuracies. Copies of maps that form part of the official record can be obtained from English Heritage.

This map was delivered electronically and when printed may not be to scale and may be subject to distortions. All maps and grid references are for identification purposes only and must be read in conjunction with other information in the record.

List Entry NGR: TL 97285 01284
Map Scale: 1:10000
Print Date: 12 March 2015



1 Waterhouse Square, 138 -142 Holborn, EC1N 2ST
 Tel: 020 7973 3000 www.english-heritage.co.uk

REPORT DC1817 MAYPOLE ROAD HEYBRIDGE

| | |
|-------------------|---|
| <p>1.0</p> | <p>Background</p> <p>A request was received from the Maldon Local Highways Panel (LHP) to complete a feasibility study to investigate measures to improve safety at the edge of carriageway along the southern section of Maypole Road. The request was made following a series of incidents where vehicles left the carriageway and drove into the adjacent ditch.</p> |
| <p>2.0</p> | <p>Accident Data</p> <p>Accident data for the last 5 years has been obtained, the data doesn't highlight any particular pattern or length of concern in the area of study.</p> <p>Over the last 5 years (to 09/06/2015) the data indicates that there has been one personal injury accident reported in the area of study. Information from the Accident Data Report indicates that the vehicle was travelling south along Maypole Road when driver lost control and struck telegraph pole approx. 450m north of Langford Road, suffering a slight injury. (That said Essex Highways has received information from the LHP that last year three vehicles left the carriageway and ended up in the ditch at the south western end of Maypole Road, near it's junction with Holloway Road).</p> |
| <p>3.0</p> | <p>Investigation</p> <p>Due to the historic flooding problems further downstream in Holloway Road this scheme should not be looked at in isolation and the impact of any works in Maypole Road carefully assessed.</p> <p>A structural solution such as a retaining wall or sheet piling has been investigated. This could be placed so as to increase the distance between the edge of carriageway and the ditch thereby improving safety for road users, minimising the effect on existing flows without contributing to the flooding issues downstream and giving adequate support to the pavement. These systems would provide Integrated Scour Protection and Vehicle Restraint; Disadvantages with a structural sheet pile retaining structure/pre-cast concrete retaining structure is that it will require significant funding, impact on the function of the highway during construction, and reduce the possibility of future road widening. Structures team have been consulted concerning this and produced the attached report with approximate costings. As can be seen any structural solution will require significant funding. This option was previously considered by the LHP & was discounted on the grounds of cost.</p> <p>Piping Full Length of Ditch This option should only be considered if the diversion of water up-stream is possible (i.e. future development) to decrease risk of flooding on Holloway Road (Pros: No vehicle restraint required, provides structural support to carriageway, possibility of road widening in the future, integrated scour protection; Cons: Impact on flooding downstream (i.e. Reduced storage capacity, reduced access for maintenance, reduced ecological benefit, reduced treatment of water, higher conveyance rate (i.e. Velocities/ discharge)), Cost of implementation, impact on function of Highway during construction)</p> |

REPORT DC1817 MAYPOLE ROAD HEYBRIDGE

| | |
|-------------------|--|
| | <p>Localised Piping of Ditch (Pros: Cost of implementation will be less than other options, Impact on flooding downstream should be minimised, possibility of road widening in the future; Cons: Inlet/ Outlet of culvert may require screening to prevent access.</p> <p>To assist in exploring the localised piping of ditch a topographical survey was undertaken during the winter giving accurate information such as ditch levels, road levels and berm widths etc.</p> <p>The Flood Management Team have given guidance in the process of assessing the feasibility of this option and to determine critical lengths of watercourse that could potentially be piped, whilst helping to ensure that any works undertaken in Maypole Road will not exacerbate the flooding issues further downstream.</p> |
| <p>4.0</p> | <p>Wider Considerations</p> <p>There are wider development issues that will have an impact on Maypole Road and potentially any planned works under this Report.</p> <p>The land adjacent to Maypole Road falls under the Local Development Framework for housing there is a strong likelihood that the land will be developed for housing which would also include elements of infrastructure, road and drainage improvements.</p> <p>As part of development works, significant drainage improvements would be required which should have the desired effect of flood alleviation, reducing the intensity and volume of surface water which currently flows downstream and in to Holloway Road.</p> <p>Countryside (Developers) have been in communication with the Development Management team and have recently made a formal Planning Application to Maldon District Council. (ref:-15/00419/OUT dated 28th April 2015). Flood risk assessment forms part of the planning procedure which needs to address issues in this area and forms part of the Application. See Appendix Plan Reference 1 showing Planning Application Boundary for Development in relation to Maypole Road. As can be seen the planning application boundary includes a considerable area within Maypole Road and the area of this Study and highlights the significant proposals for flood alleviation.</p> <p>(Due to required Planning processes it is unlikely that the Development work on site would commence before 2016).</p> <p>For information see Appendix Plan Reference 2 and 3, which are extracts from the Planning Application. Appendix Plan 2 shows the current Flood Extents for different storm intensities and Plan Reference 3 highlights the vastly improved Post Development Scenario.</p> |
| <p>5.0</p> | <p>Requested Option to be progressed - Localised Piping of Ditch Option</p> <p>The Flood Management team have been consulted and provided guidance on the hydraulic modelling of this option.</p> <p>The lengths with the narrowest verges (i.e. less than 0.5m) were considered to be the most critical and taken into account when identifying the lengths of watercourse to be piped.</p> |

REPORT DC1817 MAYPOLE ROAD HEYBRIDGE

To determine the optimal size of pipework required an assessment of the existing capacity of the watercourse was carried out taking into account geometry and channel roughness. A model was built using these parameters and a simulation run based on the FEH system of Rainfall to determine the critical storm that caused the system to flood. Provided that any restrictions introduced did not increase the risk of flooding for this event this was considered to be satisfactory in terms of the schemes impact on flood risk.

Simulations indicated that a 1 in 30yr return period caused flooding to the watercourse in its existing state, subsequently the next step down, being a 1 in 25yr return period indicated a flood risk. As such this was taken as the critical case to be assessed when the proposed restrictions were applied.

A second model was generated introducing the restrictions/ culverts and a simulation run using the same critical return period identified above (i.e. 1 in 25 year storm intensity). The results indicate no flooding has been created as a result of introducing these restrictions.

The perception of the downstream residents who have experienced flooding may be a factor and may be reluctant to see the installation of large pipes upstream.

The anticipated construction period is 5-6 weeks and a road closure would be required for the work to be carried out in a safe manner.

The adjacent landowner would need to be consulted prior to carrying out the works.

In assessing the level of flood risk the model assumes that the culverts are operating at optimum capacity. As a result of siltation and potential lack of maintenance, which would reduce the pipe capacity, the pipe sizes have been increased appropriately to accommodate this.

Refer to Plan Reference 4 - Proposed General Arrangement for Consideration.

We would recommend that on site flow monitoring is carried out to verify the simulation results and off the back of this a detailed design compiled incorporating the information obtained.

Approximate Costs: Section A & B: £111,090.00 including supervision (10%) and Overheads (5.2%) based on road closure working on a daily basis 9:30 – 15:30. If normal working hours estimated cost reduced to £92,576.00.

Sections A, B & C: £197,881.00, as above, 9:30 -15:30. If normal working hours estimated cost reduced to £164,322.00.

Section C in isolation £86,790.00, as above, 9:30-15:30; if normal working hours, estimated cost reduced to : £72,325.00

There is scope that Section C, located within the planning application boundary and in close proximity to the planned development access road could be undertaken as part of the new junction works.

To facilitate the works HIDT would need to consult the adjacent land owner, liaise with the Developer/Development Management, produce the works information pack, H & S information, road closure/diversion along with the production of a few engineering details such as a pipe schedule, cross sections, headwall and manhole drawings.

REPORT DC1817 MAYPOLE ROAD HEYBRIDGE

CONCLUSION

This option would only partially address accident risk as there would be sizeable lengths of ditch unprotected.

Given the potential development there is likely to be an opportunity to fully address the accident risk by piping all of the length once the post attenuation and flood alleviation mitigation works proposed by the developer have been carried out.

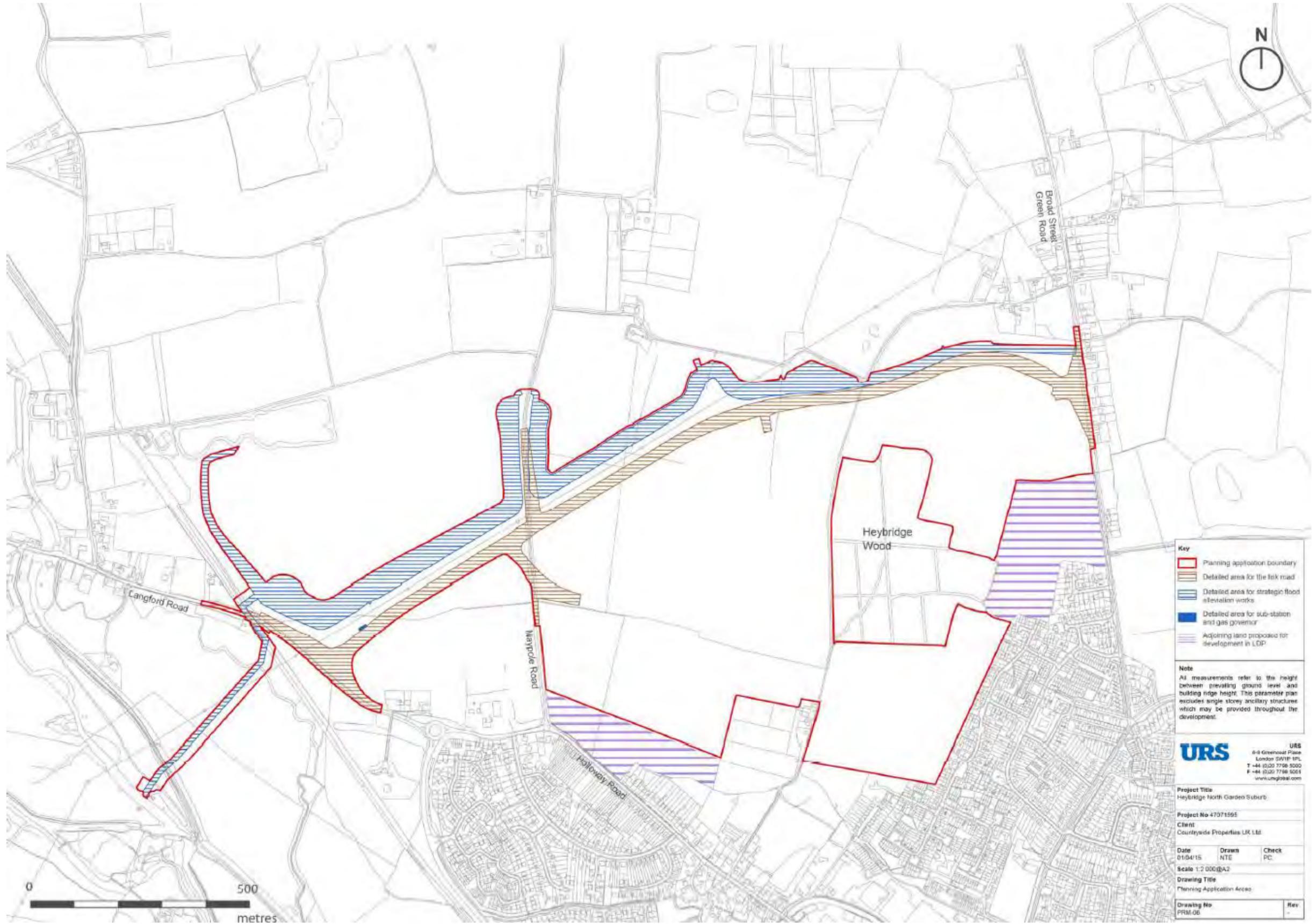
The size of pipes required for the current situation will be larger than they need to be for the post-development situation.

Prepared by:

Phil Hope

Date:

16th June 2015



Key

- Planning application boundary
- Detailed area for the site access road
- Detailed area for strategic flood alleviation works
- Detailed area for sub-station and gas governor
- Adjoining land proposed for development in LDP

Note
 All measurements refer to the height between prevailing ground level and building ridge height. This parameter plan excludes single storey ancillary structures which may be provided throughout the development.

URS
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 London SW1W 0PL
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 www.ursglobal.com

Project Title
 Heybridge North Garden Suburb

Project No 47071595

Client
 Countryside Properties UK Ltd

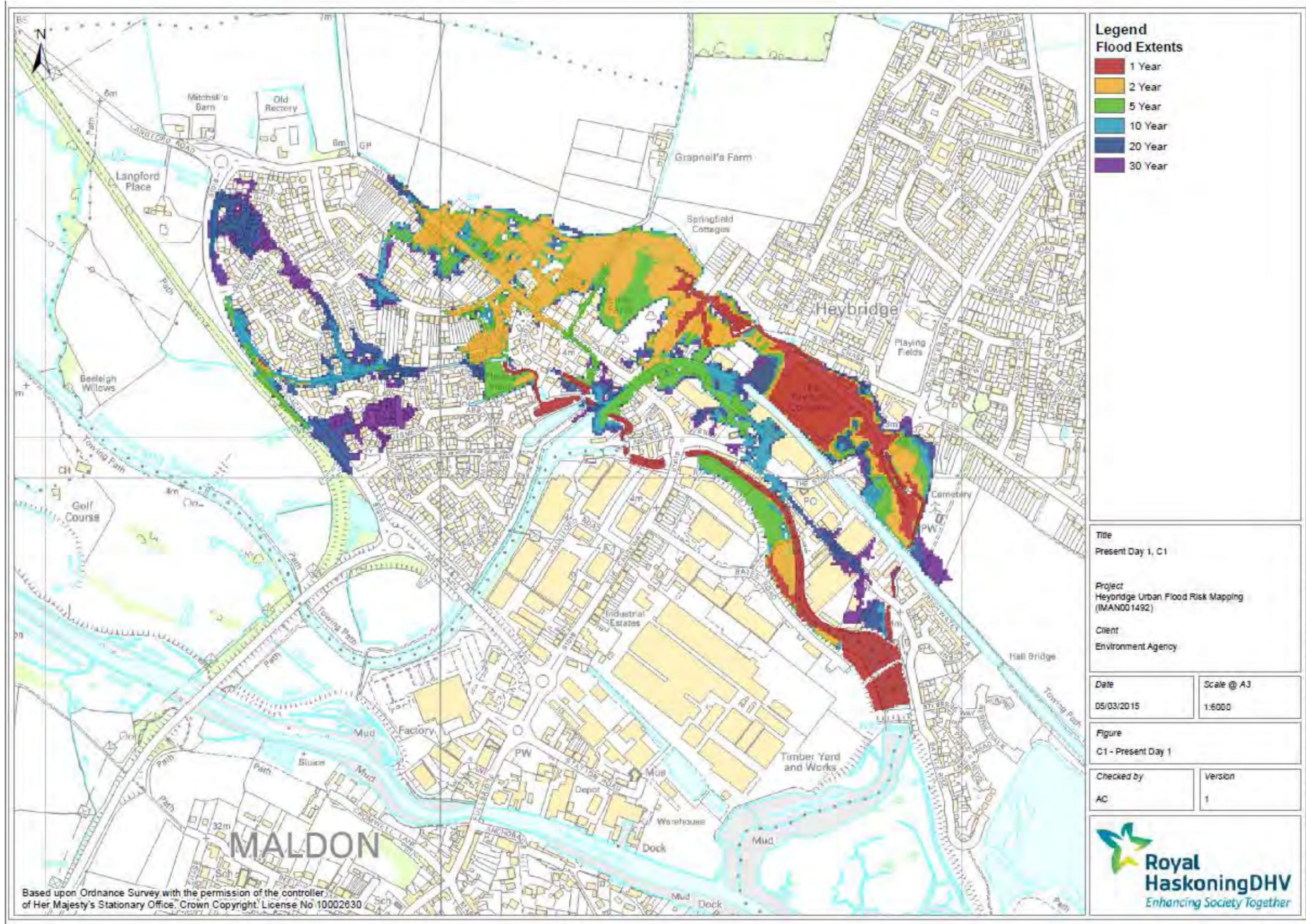
Date 01/04/15 **Drawn** NTE **Check** PC

Scale 1:2 000(A2)

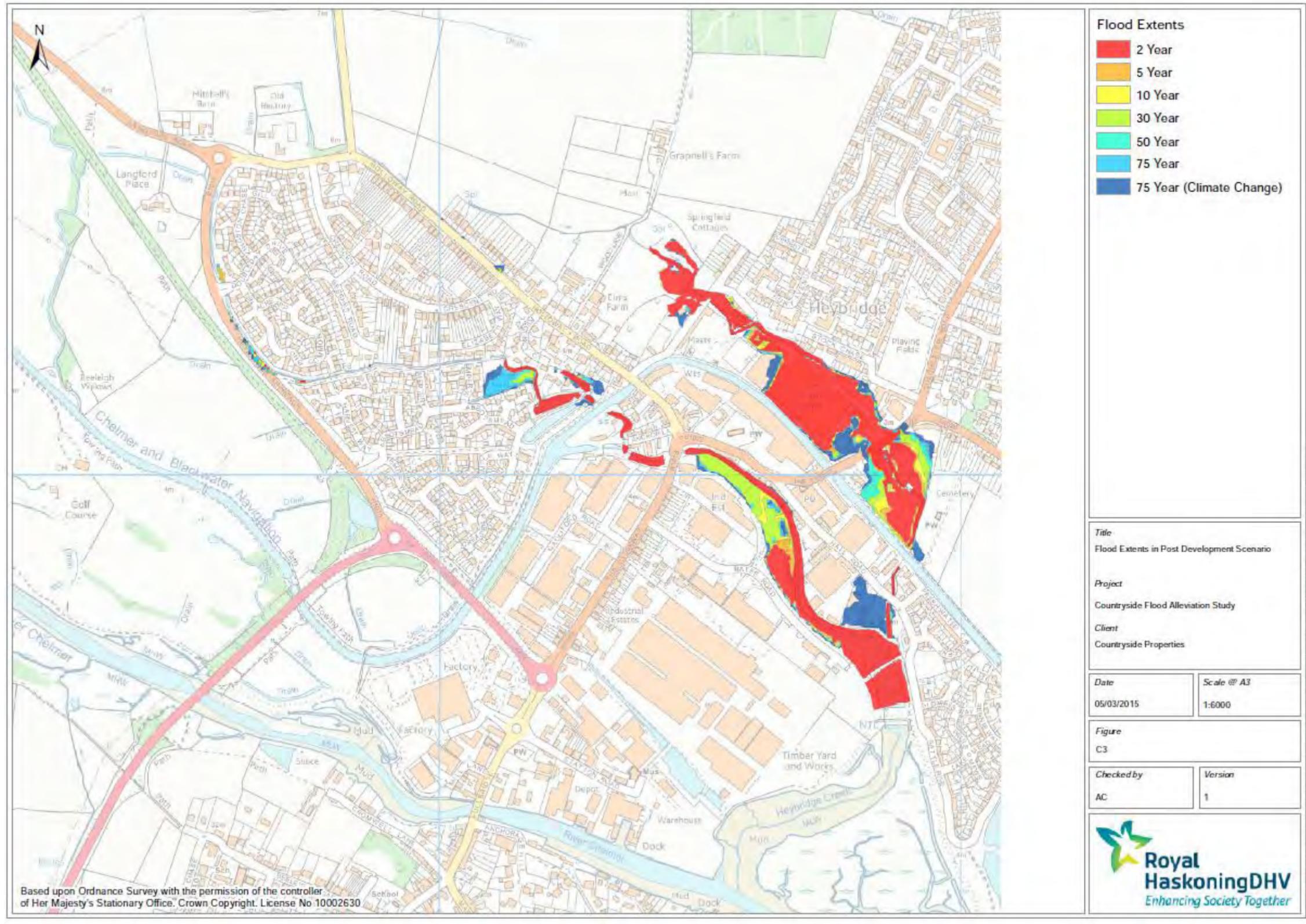
Drawing Title
 Planning Application Area

| | |
|-----------------------------|-----------------|
| Drawing No PRM-06 | Rev - |
|-----------------------------|-----------------|

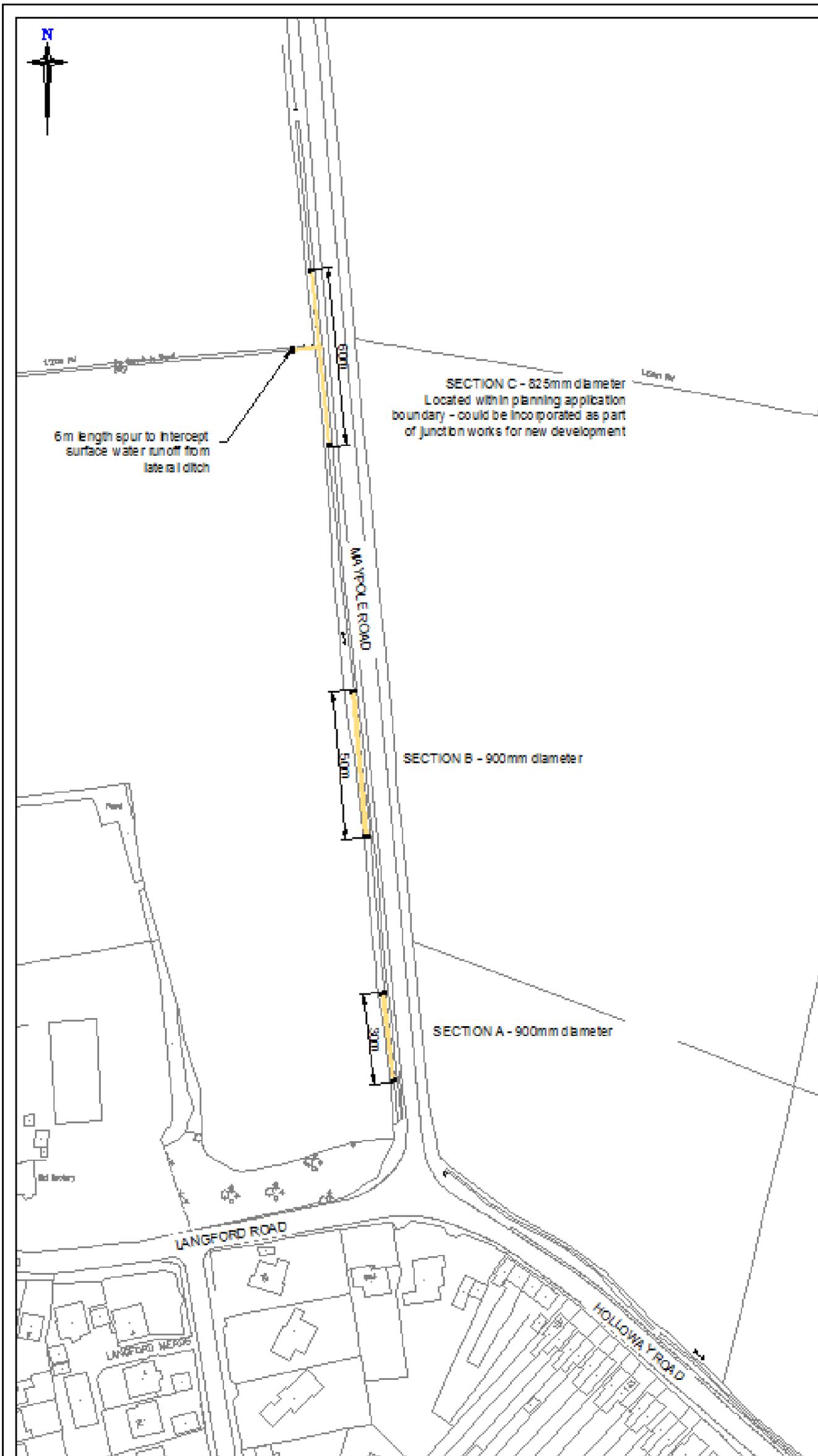
Plan reference 1 – Extract from URS Plan showing Planning Application Boundary for Development in relation to Maypole Road



Plan Reference 2- Extract from Royal Haskoning DHV Flooding Assessment highlighting current Flood Extents for different storm intensities



Plan Reference 3 – Extract from Royal Haskoning DHV Flooding Assessment highlighting Flood Extents in Post Development Scenario for different storm intensities



NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. Reflective verge marker posts to be erected adjacent to open sections of ditch between culverts to highlight edge of carriageway.

Key

- Type 2 Class H concrete pipe, to be backfilled with Class 5B topsoil, and seeded.
- Concrete filled sandbag head wall (ST4, SRC) incorporating grille

| | | | |
|---|--------|--------|--------|
| FOR INFORMATION | | | |
| Essex Highways | | | |
| MALDON LHP MAYPOLE RD, HEYBRIDGE LMAL132038 | | | |
| PROPOSED GENERAL ARRANGEMENT | | | |
| PH | LCN | DES | MRG |
| JUN 12 | JUN 12 | JUN 12 | JUN 12 |
| | | | 1:1250 |
| DC1317/500/001 | | | - |

Plan Reference 4 Proposed General Arrangement for Consideration

Drainage Scheme update – LMAL142002/LMAL142010

B1026 Goldhanger Road, Heybridge – Drainage Improvements

1.0 **Introduction**

The report has been prepared to update the Maldon District Local Highways Panel on two drainage improvement schemes namely –

- LMAL142002 - B1026 Goldhanger Road, Heybridge near to Spicketts Brook
- LMAL142010 – Bridge near Drapers Farm, Goldhanger Road, Heybridge

2.0 **Background**

The B1026 Goldhanger Road, Heybridge between Lawling Avenue to Basin Road has previously had drainage issues with the road flooding following heavy rainfall and sometimes becoming impassable. This route is a key transport link within the District and any road blockages have a major impact upon traffic flows. There was a major incident recorded in August 2013 and also a number of complaints from Residents regarding the maintenance/clearance of ditches.

Our Highways Maintenance team have previously carried out works in May 2014 and October 2014 to clear/jet any silted gullies and drainage pipes running along Goldhanger Road, with the system currently functional from Lawling Avenue to Basin Road.

The ECC Flood Management team have also been dealing with the clearance of vegetation and the de-silting of channels to bed level on private land at Wagtail Drive and Coopers Avenue. A level survey of the full length of the water course has also been carried out. The Flood Management team are now looking to develop their proposals here further.

3.0 **Proposal**

Our Highways Improvement Design team are now undertake an investigation of the existing highway drainage network on Goldhanger Road from its junction with Lawling Avenue to Basin Road. The Design team are reviewing historical customer reports of blocked gullies, blocked and overgrown ditches and flooding in the road to confirm scope of work completed to date by Highways Maintenance Team. They are also working with Essex County Council Flood Management Team to review scope of work identified/undertaken and extent of off highway drainage issues. They are also working with the Maldon District Pilot Enforcement team to review scope of work identified and extent of any potential enforcement issues with water draining into the highway from adjacent land.

The Highways Improvement Design team will produce an Option Study for drainage improvements/action and this will be presented to the Maldon District Local Highways Panel for their consideration. This study may also include requirements for improvements from adjacent landowners regarding overgrown ditches, hedges and drainage pipes which are not publicly maintainable.

Drainage Scheme update – LMAL142002/LMAL142010

4.0 **Timeline**

The Highway Improvement Design team Investigations are to be completed by September 2015 and the Option Study will be presented to the September 2015 Panel meeting. Following consideration by the Panel, any detailed design and further investigation to be completed by January 2016.

Prepared by:

Jon Simmons

Date:

18 June 2015