

GENERAL NOTES:

1. Do not scale.
2. Refer to all other Project Drawings and supporting notes.

KEY:

General:

- Uncontrolled Blister Tactile Paving at Dropped Crossing
- Controlled Blister Tactile Paving at Signalled Crossing
- Segregated Footway / Cycleway Corduroy Tactiles
- Indicative Traffic Signal
- Proposed Bollard Diag. 956 & 957
- Proposed Traffic Sign and Sign Post
- Proposed Reflective Bollard
- Proposed Timber Fenceline
- Proposed 5m Segregated Footway / Cycleway
- Proposed 3m Shared Footway / Cycleway
- Proposed 2m Footway
- Proposed Verge
- Proposed Carriageway
- Proposed Hard Standing
- Proposed Mown Path Route
- Proposed Hoggin Route
- Proposed Batter Slope 1in5
- Proposed Batter Slope 1in3
- Proposed Headwall
- Proposed Culvert

Ecology Survey - Received by EPR on 16/05/25:

- Veteran Tree Buffer
- Arboricultural Survey - Received by FLAC on 15/05/25:
- RPA - Root Protection Area
- VTPA - Veteran Tree Protection Area

Existing Utilities

- 33KV - Existing 33KV Overhead HV Cable
- 132KV - Existing 132KV Overhead HV Cable
- HV-OH - Unspecified Overhead HV Cable
- Overhead HV 15m Clearance
- Pylon 20m Clearance
- HP - Existing High Pressure Gas
- MP - Existing Medium Pressure Gas
- IP - Existing Low Pressure Gas
- Existing Gas 3m Clearance

Refer to Drawing A392-OPA-0101 for typical Footway/Cycleway Junction Details.

B	07.28	UPDATED TO REFLECT RSA2 COMMENTS AND KEYPLAN REDLINE UPDATED	RG	CS
A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked

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Client

Project

LODDON GARDEN VILLAGE

Title
GENERAL ARRANGEMENT
SHEET 9 OF 9

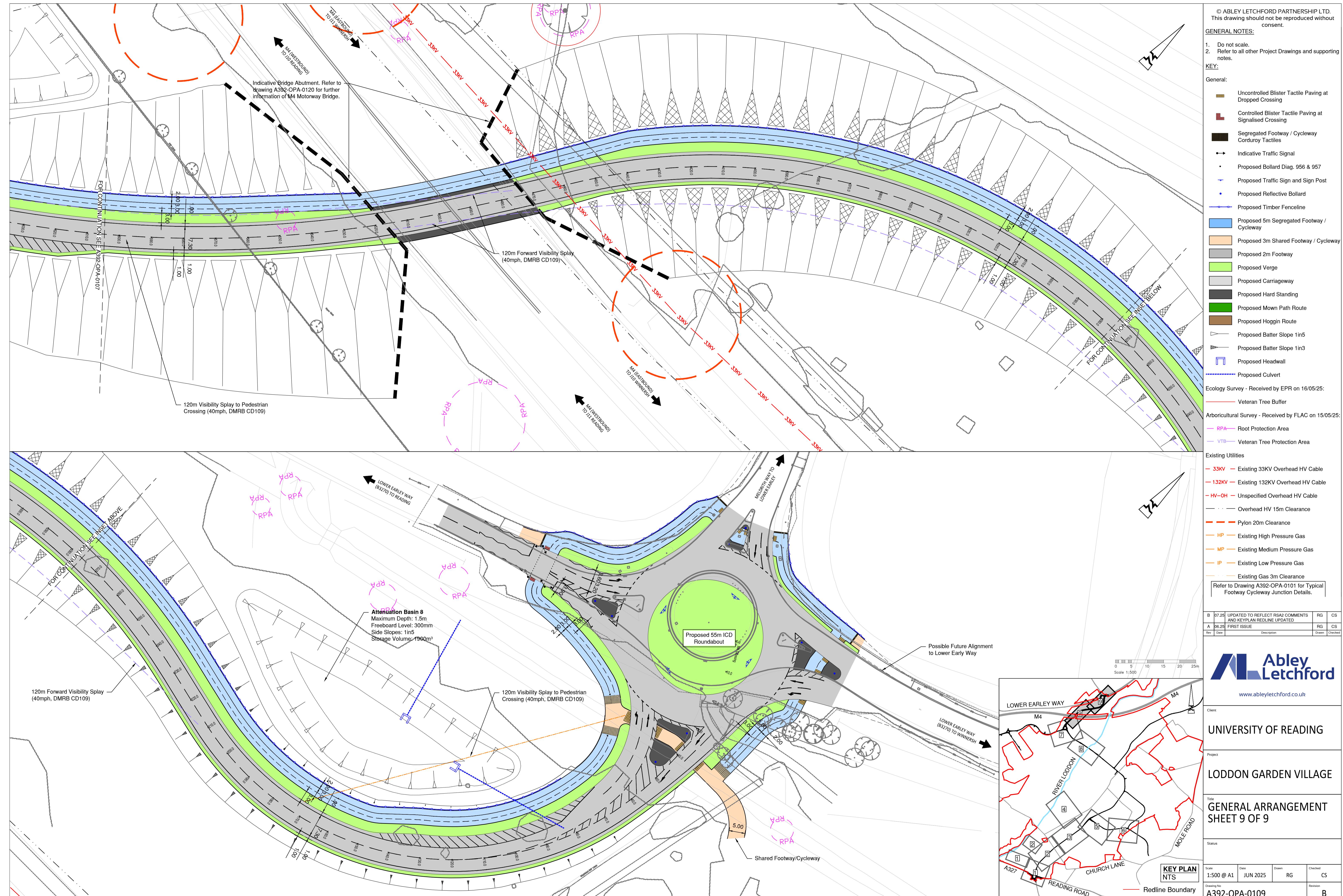
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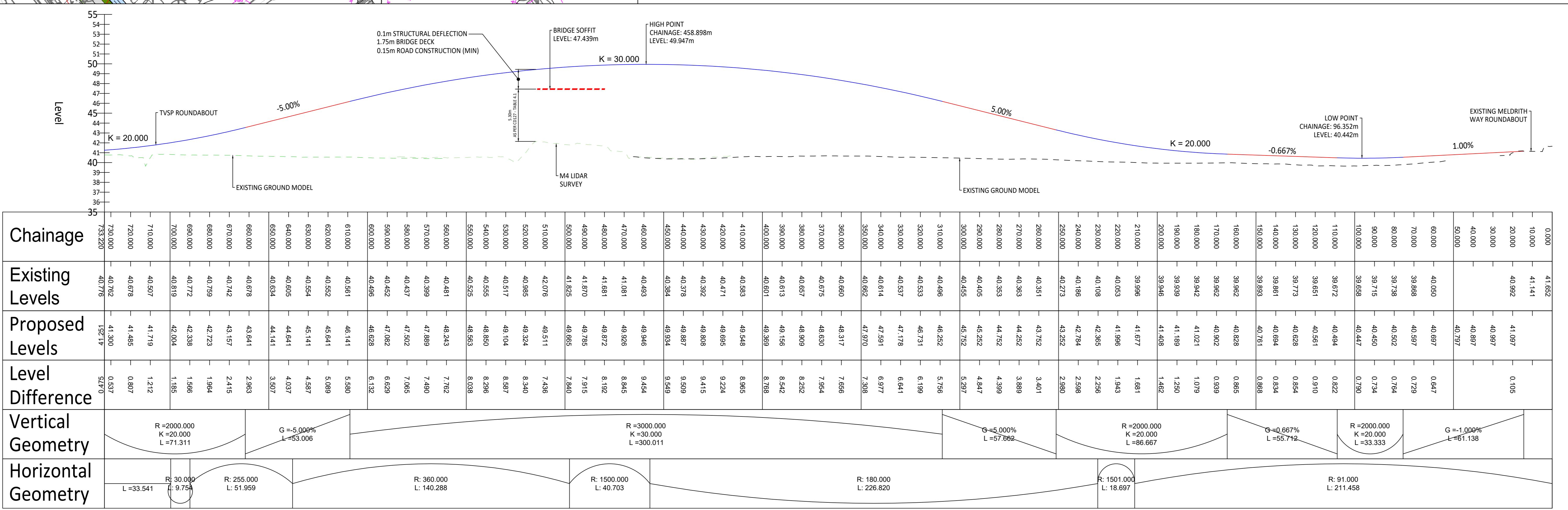
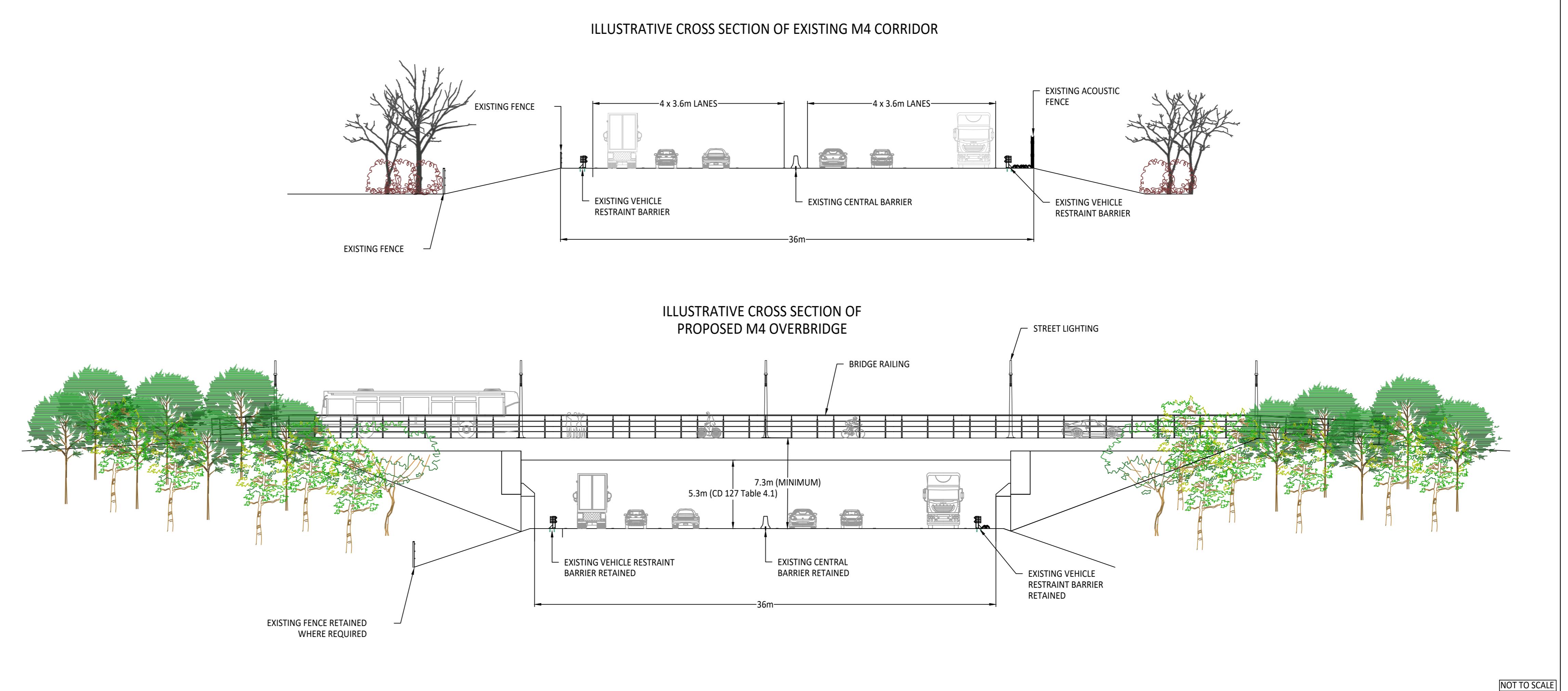
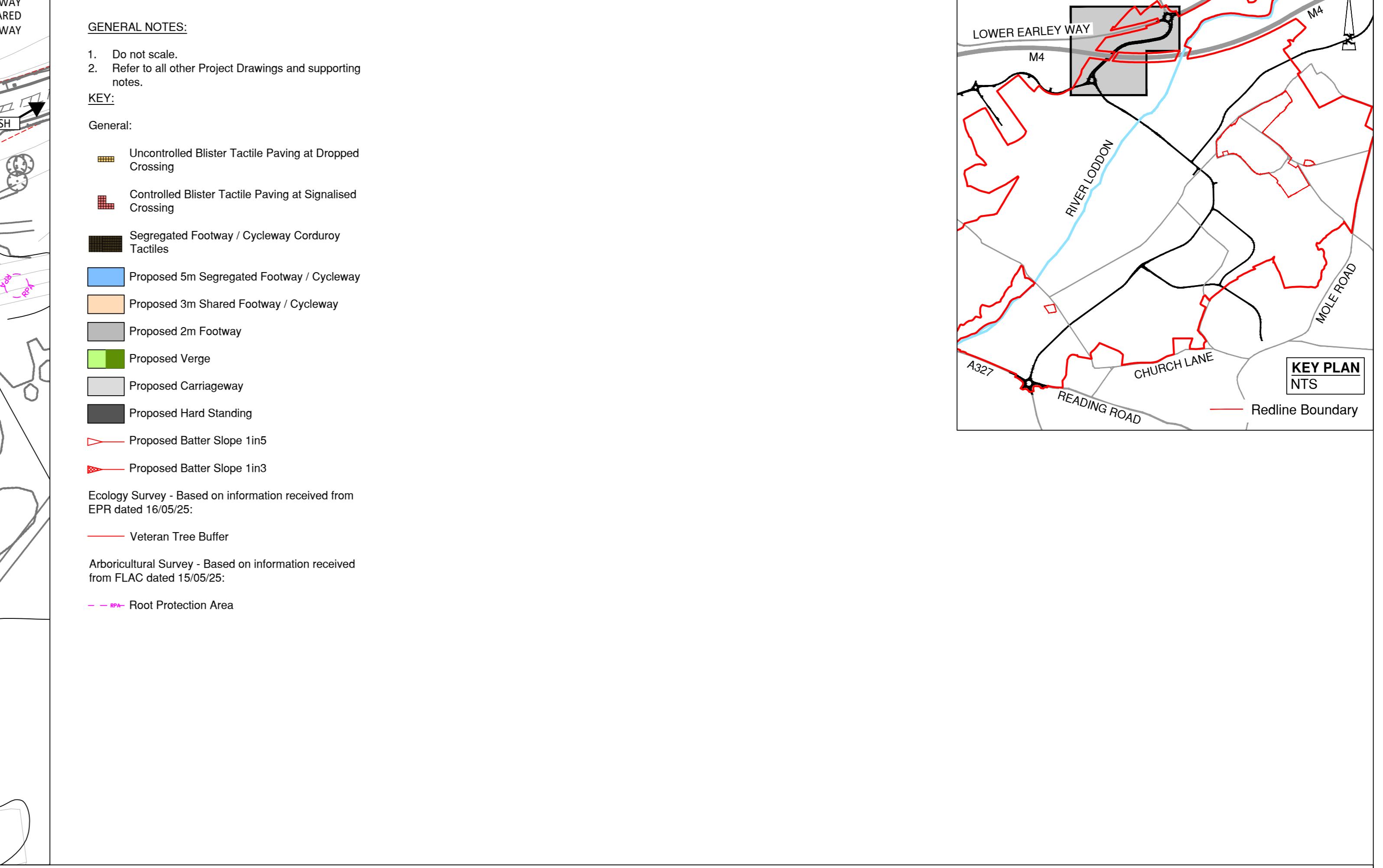
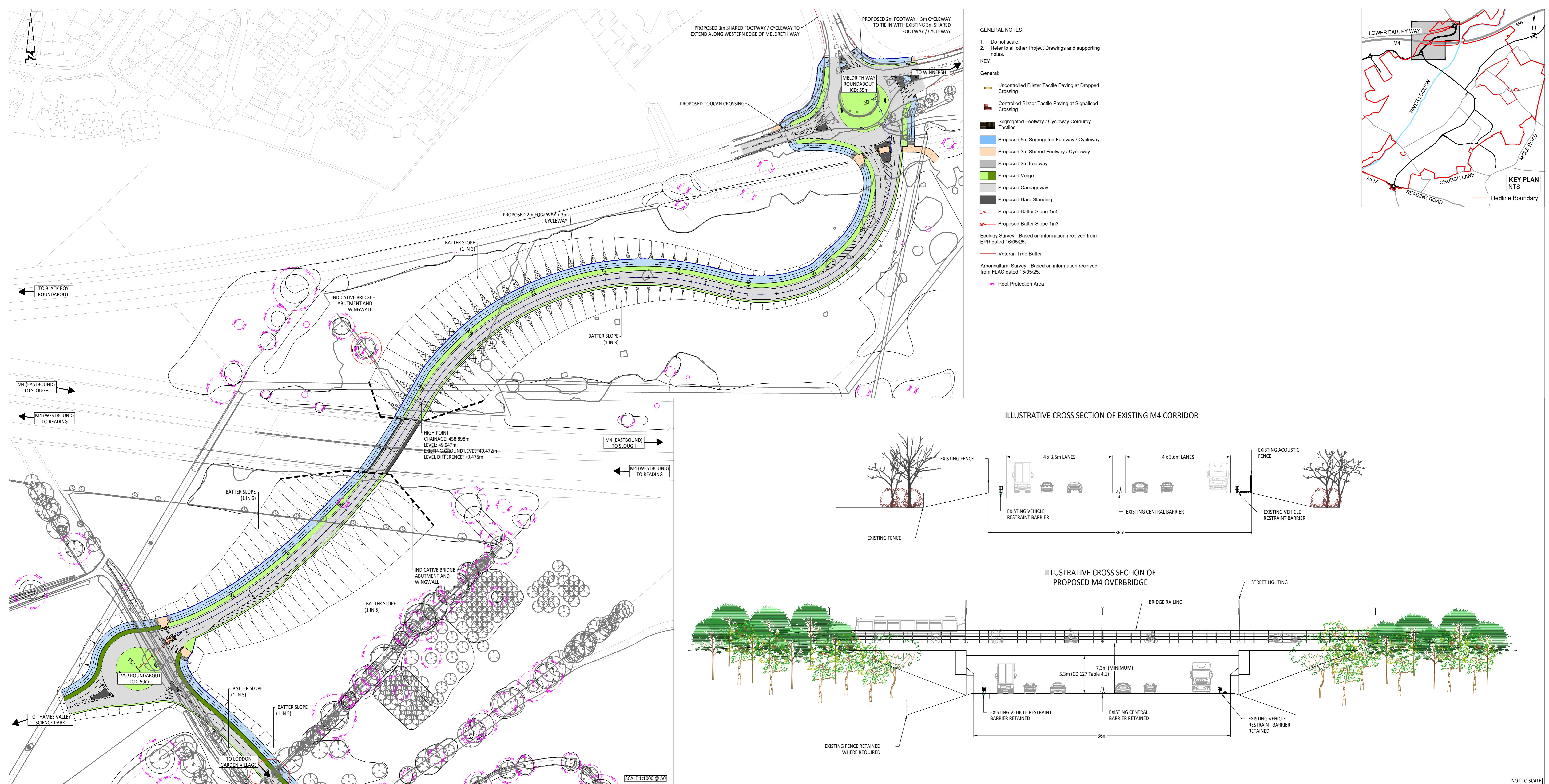
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Drawing No.	A392-OPA-0109						Revision

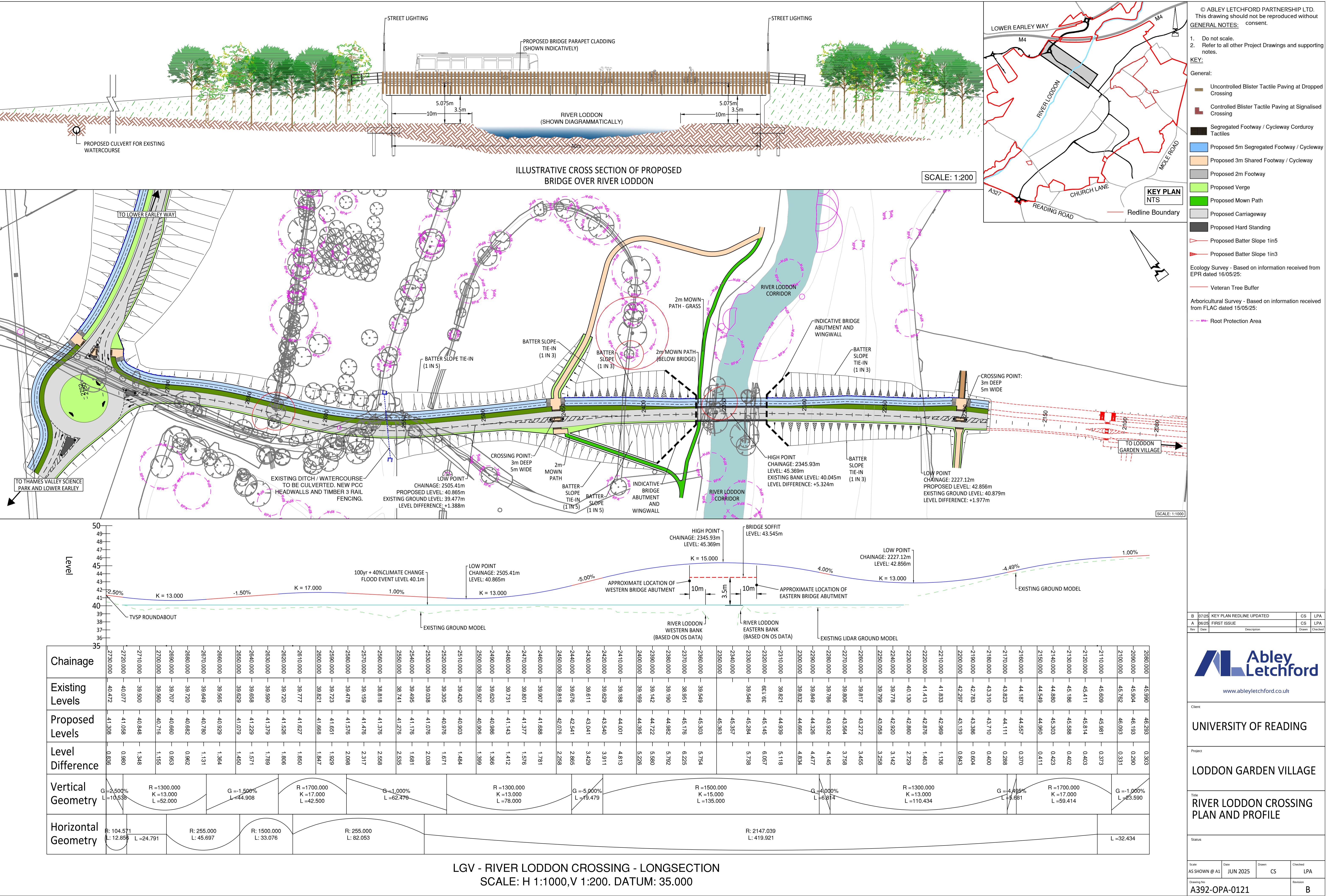
KEY PLAN
NTS

Redline Boundary

Revision B







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Manhole Schedule/Longitudinal:
1. Do not scale.
2. This drawing is to be read in conjunction with and checked
against all other drawings, including details, Specifications and
any other drawings, General Notes or other specific documents
provided.
3. Levels shown for context only, refer to other project
drawings for details.
4. All adoptable drainage works to be constructed as detailed
in design drawings and to be installed in accordance with the water
authorities' addendum.
5. All public sewers are to be the subject of Section 100
Approval by the water industry act 1993.
6. Invert levels of existing manholes and sewers are to be checked
on site before construction commences and results reported to
engineers.
7. The contractor is responsible for ensuring the correct conveyance of flow
for foul, surface and storm water in the banded and un-banded
works for the duration of the project.
8. All drainage networks to comply with section 124, and be
stamped with the relevant authority to be foul feeding as below:
-carriageways and roads - 4400
-driveways - 4401
-footways and pedestrian areas - b121
-gardens/landscaping - a15
9. All new pipes to be installed and tested strictly in accordance
with the manufacturers' printed instructions, as in T52, to
1601, local water authority requirements and the building
regulations.
10. All bedding shall be class 5 unless noted otherwise.
11. All drainage pipes to be backfilled with a granular
material, unless otherwise specified. All drainage pipes are to
be backfilled with thoroughly compacted type 1 granular
sub-base material.
12. Design smooth roads and areas of vehicular access (car
parking etc) with less than 120mm of cover shall be encased
in concrete bed and surround with associated movement joints.
13. All drainage pipes to be backfilled with a granular
material, unless otherwise specified. All drainage pipes with
less than 900mm of cover shall be similarly treated.
14. Concrete protection shall be applied to all drainage pipes
shall be fitted with gair bars, safety chains or other appropriate
devices.
15. The use of Portland cement concrete products made with sulphate
resisting cement is mandatory, unless a laboratory report
proves such cement is not necessary.
16. All manholes to be braced internally to identify any
laterated connections that are still visible to any found to be
repaired/reinforced.
17. All foul and storm drains which are not to be adopted as
public sewers, to be in accordance with document 6 of the
building regulations, together with other standards chapter 5.3
and 6.8.301.
18. Manholes to be backfilled with a granular
material, unless otherwise specified. All manholes are to
be backfilled with a granular material, unless otherwise specified.
19. Manhole covers are derived from a 3D digital terrain
model, final cover levels to suit finished surfaces onsite.
20. Manhole covers to be located wholly within one surface. Le
grass or hard standing required. Manhole covers are to be fully
accessible to users.
21. Construction details subject to refinement through detailed
design/technical approval process.

ALL PIPE BEDDING TO BE CLASS
'S' GRANULAR SURROUND
UNLESS NOTED OTHERWISE
ON THE DRAWING

Manhole diagrams are indicative and do not show every
incoming sewer/poly connection. Refer to Engineering
Report for details.

Manhole cover levels are derived from a 3D digital terrain
model, final cover levels to suit finished surfaces onsite.

Manhole covers to be located wholly within one surface. Le
grass or hard standing required. Manhole covers are to be fully
accessible to users.

KEY:
— Existing Ground Profile
— Proposed Centrelne Profile
— Proposed Foul Sewer
— Proposed Storm Sewer

Scale: 1:1000
10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500

A 06.25 FIRST ISSUE
JS Date: June 2025
Drawing No: A392-OPA-0130

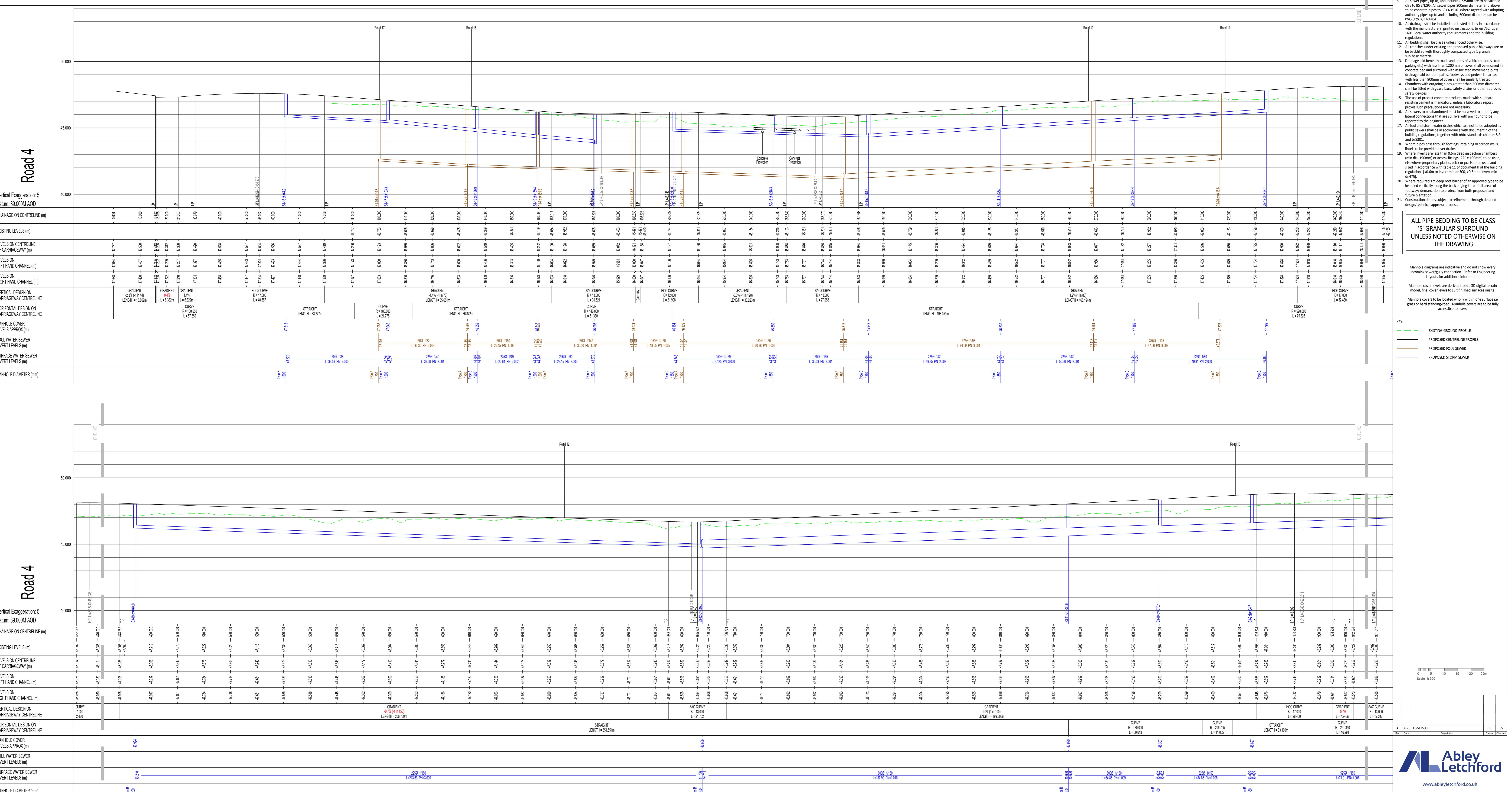
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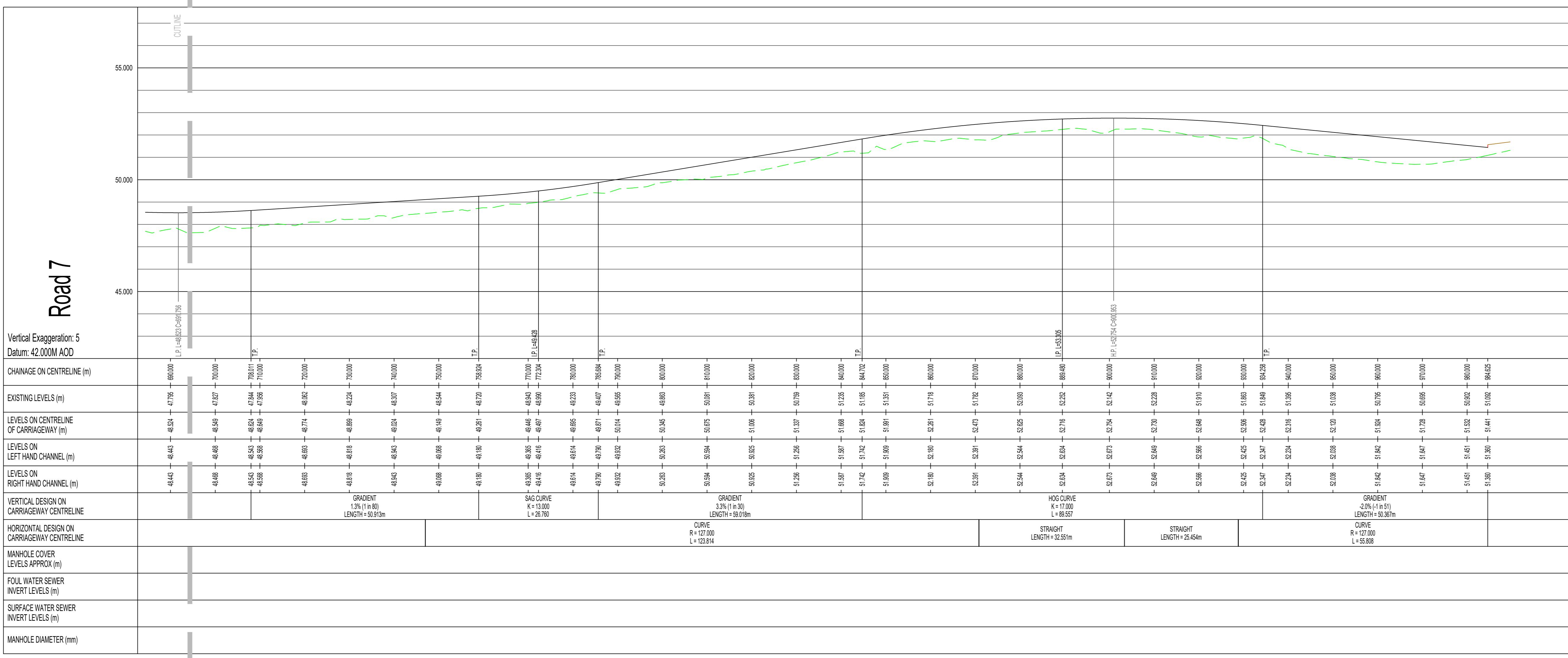
UNIVERSITY OF READING

Project: LODDON GARDEN VILLAGE

Title: LONGITUDINAL SECTIONS
SHEET 1 OF 6

Scale: 1:1000
1500 H @ A0 Date: June 2025 Drawing No: A392-OPA-0130
1100 V Drawing No: A392-OPA-0130
Drawing No: A392-OPA-0130 Revision: A





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le/Longsection:

ale.
ing is to be read in conjunction with and checked
other drawings, Engineering details, Specification and
ural, Geotechnical or other specialist document

t shown for context only, refer to other project
for details.

ble drainage works to be constructed as detailed in
d construction guidance or as stipulated in the water
s addendum.

sewers are to be the subject of a section 104
t of the water industry act 1991.

els of existing manholes and sewers are to be checked
ore construction commences and results reported to

actor is responsible for maintaining continuity of flow
ting sewers within the site boundary and limit of
the duration of the project.

ge ironworks to comply with bs en124, and be
with bsi kitemark. covers to suit loading as below;
rrageways and roads - d400
iveways and verges - c250
otways and pedestrian areas - b125
rdenes/landscaping - a15
pipes, up to, and including 225mm are to be vitrified
EN295. All sewer pipes 300mm diameter and above
crete pipes to BS EN1916. Where agreed with adopting
pipes up to and including 600mm diameter can be
BS EN1404.

ge shall be installed and tested strictly in accordance
manufacturers' printed instructions, bs en 752, bs en
al water authority requirements and the building
s.

g shall be class s unless noted otherwise.

es under existing and proposed public highways are to
ed with thoroughly compacted type 1 granular
material.

aid beneath roads and areas of vehicular access (car
c) with less than 1200mm of cover shall be encased in
bed and surround with associated movement joints.

aid beneath paths, footways and pedestrian areas
than 900mm of cover shall be similarly treated.

s with outgoing pipes greater than 600mm diameter
tted with guard bars, safety chains or other approved
ices.

f precast concrete products made with sulphate
ement is mandatory, unless a laboratory report
ch precautions are not necessary.

s to be abandoned must be surveyed to identify any
connections that are still live with any found to be
to the engineer.

nd storm water drains which are not to be adopted as
wers shall be in accordance with document h of the
regulations, together with nhbc standards chapter 5.3
01.

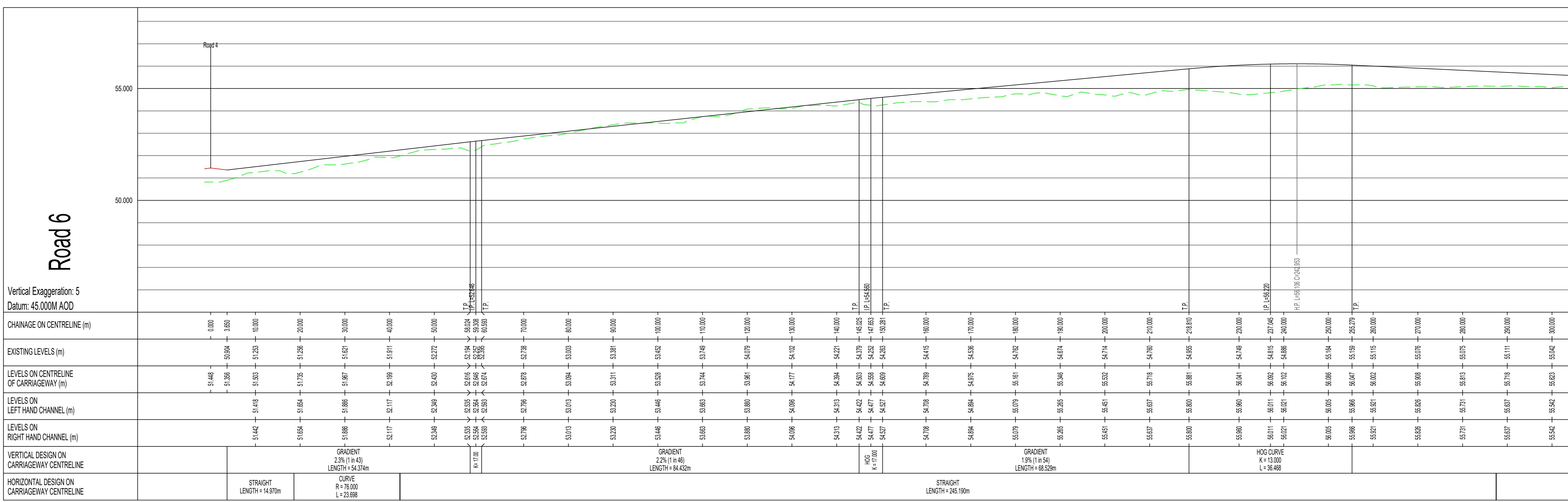
ipes pass through footings, retaining or screen walls,
be provided over drains.

erts are less than 0.6m deep inspection chambers
(190mm) or access fittings (225 x 100mm) to be used,
e proprietary plastic, brick or pcc is to be used and
ccordance with table 11 of document h of the building
s [$<0.6m$ to invert min dn300, $>0.6m$ to invert min

quired 1m deep root barrier of an approved type to be
vertically along the back edging kerb of all areas of
demarcation to protect from both proposed and
ntation.

ion details subject to refinement through detailed
chnical approval process.

LESS NOTED OTHERWISE ON
THE DRAWING



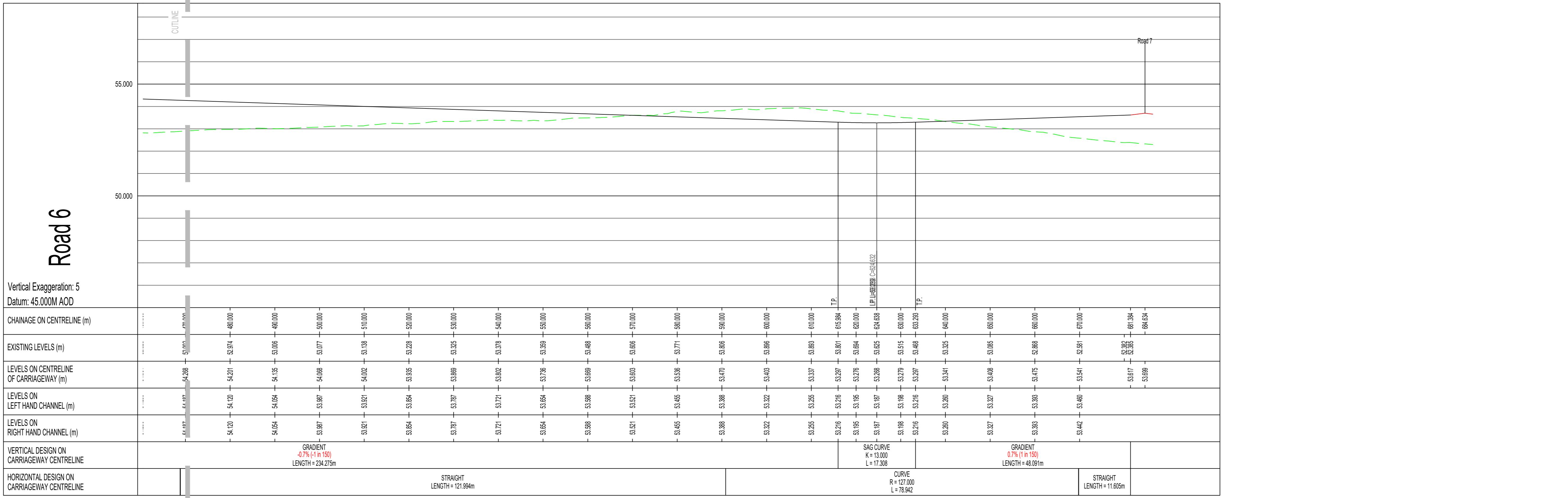
ule diagrams are indicative and do not show every
ing sewer/gully connection. Refer to Engineering
Layouts for additional information.

he cover levels are derived from a 3D digital terrain
final cover levels to suit finished surfaces onsite.

be covers to be located wholly within one surface i.e hard standing/road. Manhole covers are to be fully accessible to users.

EXISTING GROUND PROFILE

PROPOSED CENTRELINE PROFILE



10 of 10 | Page

ISSUE	JJS	CS
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Description	Drawn	Checked

Ablev

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IVERSITY OF READING

ON GARDEN VILLAGE

TRANSVERSAL SECTIONS

4 UF 6

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drawings for details.
- All adoptable drainage works to be constructed as detailed in
the drainage specification and checked in the water
authorities addendum.
- All public sewers are to be the subject of Section 100
Approval by the water industry act 1991.
- Invest levels of existing manholes and sewers are to be checked
on site before construction commences and results reported to
engineers.
- The contractor is responsible for ensuring the correct continuity of flow
for foul and storm sewers within the boundaries and limits
of the works for the duration of the project.
- All drainage networks to comply with section 124, and be
constructed in accordance with the following:

 - carriageways and roads - 4400
 - driveways - 4400
 - footways and pedestrian areas - b12
 - gardens/landscaping - a15

- All sewer pipes to be laid in accordance with BS EN295. All sewer pipes 300mm diameter and above
to be laid in accordance with BS EN13431 where agreed with the
authority pipe up to and including 600mm.
- PVC-U to BS EN1404
- All pipes to be supplied and tested strictly in accordance
with the manufacturers' printed instructions, as per section 122, by
local water authority requirements and the building
regulations.
- All bedding shall be class 5 unless noted otherwise.
- Manholes shall be located in accordance with the following
and be backfilled with thoroughly compacted type 1 granular
sub-base material.
- Driveways, roads and areas of vehicular access (car
parking etc) with less than 1200mm of cover shall be encased in
concrete bed and surround with association movement joints.
driveways such as these shall be encased in concrete.
- Car parks and areas of movement joints with less than
900mm of cover shall be similarly treated.
- All foul and storm drains which are not to be adopted as
public sewers shall be in accordance with document F of the
building regulations, together with either sub-chapter 5.3
when open to the ground, retaining or screen walls,
limits to be provided over manholes.
- Where invert are less than 1.6m deep inspection chambers
must be provided. Inspection chambers must be located
elsewhere proprietary plastic, brick or pvc to be used and
in accordance with table 11 of document F of the building
regulations, together with either sub-chapter 5.3 or 5.4.
- Where required in deep manholes an approved type to be
installed vertically along the back edging of all areas of
footway/ demarcation to protect from both proposed and
future movement.
- Manhole details subject to refinement through detailed
design/technical approval process.

ALL PIPE BEDDING TO BE CLASS
'S' GRANULAR SURROUND
UNLESS NOTED OTHERWISE
ON THE DRAWING

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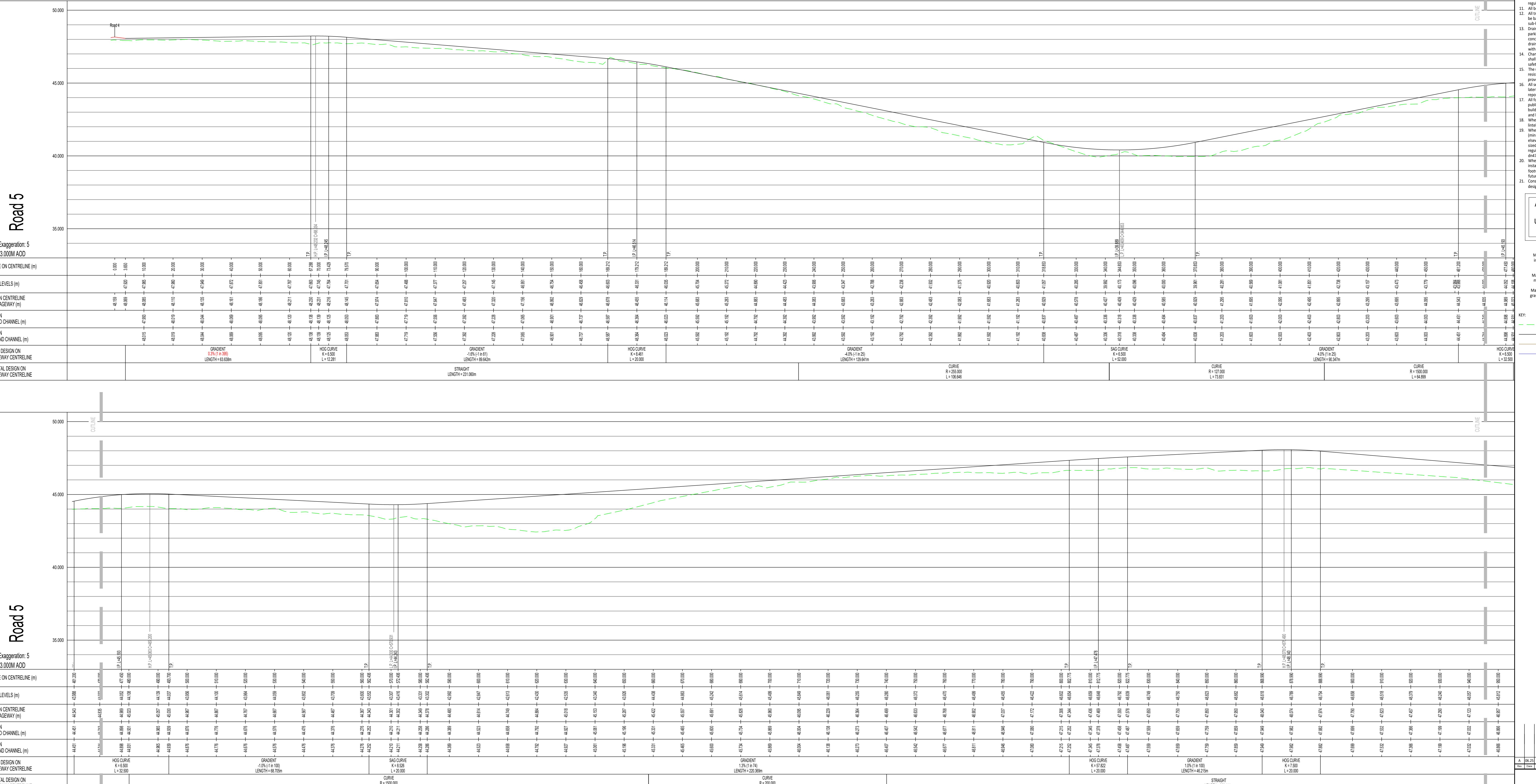
KEY:

EXISTING GROUND PROFILE

PROPOSED CENTRELINE PROFILE

PROPOSED FOUL SEWER

PROPOSED STORM SEWER



Scale 1:1000

0 5 10 15 20 25 30 35 40 45 50

100m

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000

1000m

0 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000

10000m

0 50000 100000 150000 200000 250000 300000 350000 400000 450000 500000

100000m

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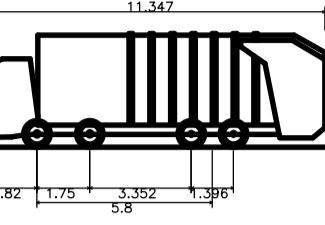
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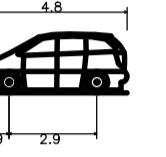
GENERAL NOTES:

1. Do not scale.
2. Refer to all other Project Drawings and supporting notes.

VEHICLE DIMENSIONS AND SPECIFICATIONS:



Large Refuse Vehicle (4 axle)
Overall Length 11.347m
Overall Width 2.500m
Overall Body Height 3.251m
Min. Min. Ground Clearance 0.416m
Track Width 2.500m
Lock to lock time 6.00s
Wall to Wall Turning Radius 11.330m

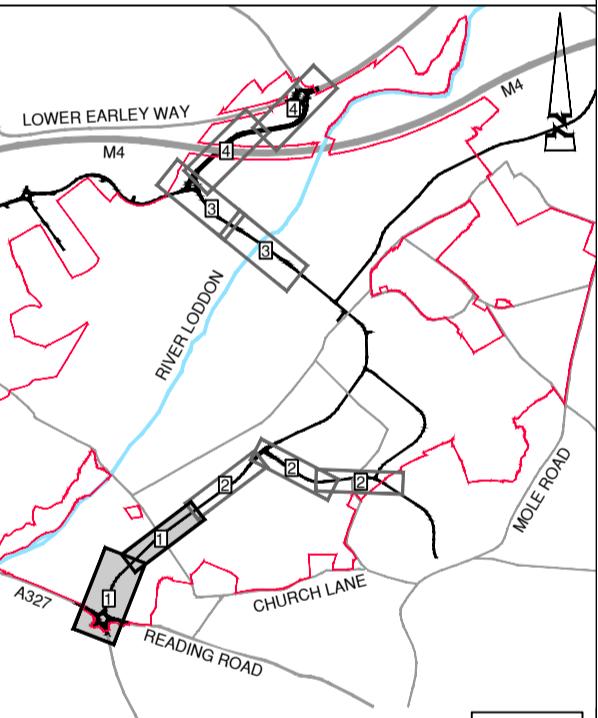


Standard Design Vehicle (SDV)
Overall Length 4.800m
Overall Width 2.000m
Overall Body Height 1.950m
Min. Min. Ground Clearance 0.900m
Track Width 2.000m
Lock to lock time 4.00s
Wall to Wall Turning Radius 6.00m

KEY:

- Approach Sightlines to Junction
- 120m Roundabout Visibility Splay (40mph, DMRB CD109)
- 43m Roundabout Visibility Splay (30mph, MTS)

0 5 10 15 20 25m
Scale 1:500



KEY PLAN

— Redline Boundary

B	07.25	KEY PLAN REDLINE BOUNDARY UPDATED	CS	LPA
A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked



Client

Project

LODDON GARDEN VILLAGE

Title
REFUSE VEHICLE AND FIRE
TENDER SWEPT PATHS
SHEET 1 OF 6

Status

Scale 1:500 @ A1	Date JUN 2025	Drawn RG	Checked CS
Drawing No A392-OPA-0140			Revision B

