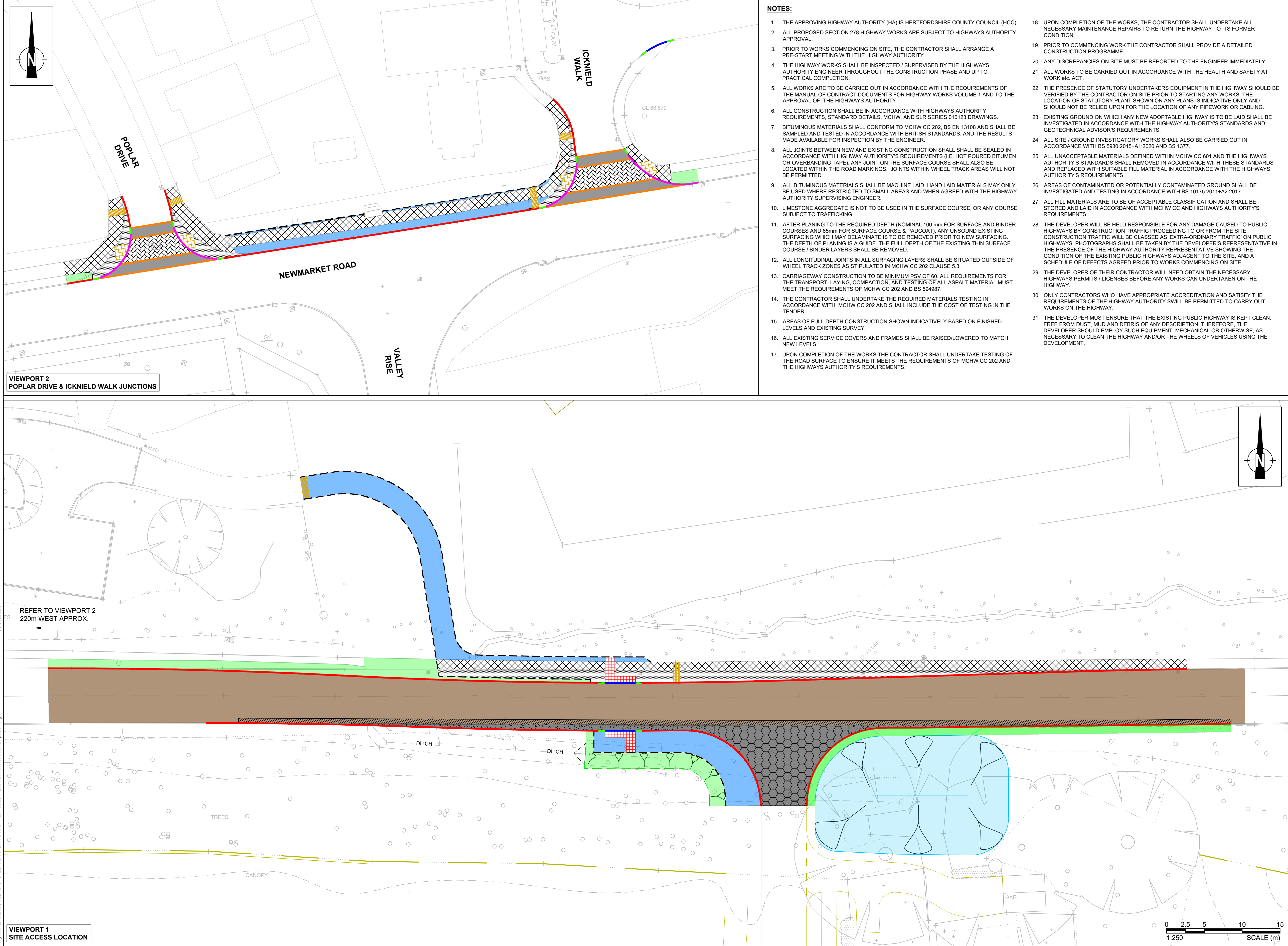




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FOR TENDER

D2

Designed IW	Drawn IW	Checked NM	Authorised NM
Date 10.02.2026	Date 10.02.2026	Date 10.02.2026	Date 10.02.2026

Drawing Number
01023-SLR-HGN-XXX-DR-CH-0700

Rev
P02

Scale
1:250

@ A1

SLR Project No.
432.010123.00001

Client
Vistry Group

Project
SECTION 278 HIGHWAY WORKS
NEWMARKET ROAD, ROYSTON

Drawing Title
CONSTRUCTION MATERIALS PLAN

P02	FOLLOWING HCC COMMENTS	08.06.26	IW	NM	NM
P01	FIRST ISSUE	10.02.26	IW	NM	NM
Rev	Amendments	Date	By	Chk	Auth

AWAITING TECHNICAL APPROVAL

This drawing has NOT been technically approved by Local Authority and/or Water Authority.
All works subject to change through technical review process with relevant approving authorities.

LEGEND:

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

PLEASE REFER TO THE HEALTH AND SAFETY FILE FOR A FULL LIST OF THE HAZARDS ASSOCIATED WITH THIS WORK - THE FOLLOWING ARE THE MOST SIGNIFICANT ITEMS TO BE AWARE OF:

CONSTRUCTION

1. OPERATIVES TO TAKE PRECAUTIONS WHEN WORKING ADJACENT TO OR WITHIN DEEP EXCAVATIONS METHOD STATEMENT TO BE PRODUCED BY CONTRACTOR PRIOR TO WORKS COMMENCING.
2. ATTENTION IS DRAWN TO THE EXISTENCE OF BOTH EXISTING UNDERGROUND AND OVERHEAD UTILITIES.

ENVIRONMENTAL

1. EXISTING WATERCOURSES IN CLOSE PROXIMITY TO WORKS. A POLLUTION PREVENTION STRATEGY AND WORKING METHOD STATEMENTS TO BE PRODUCED BY THE CONTRACTOR FOR ALL WORKS.
2. CONSIDERATION GIVEN TO NOISE LEVELS GIVEN PROXIMITY TO EXISTING PROPERTIES.
3. CONSIDERATION GIVEN TO GROUND CONDITIONS. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT PRIOR TO UNDERTAKEN EXCAVATION WORKS.
WORK CAN ONLY BE CARRIED OUT BY SUITABLY TRAINED AND BRIEFED PERSONNEL.

NOTES:

1. THE APPROVING HIGHWAY AUTHORITY (HA) IS HERTFORDSHIRE COUNTY COUNCIL (HCC).
2. ALL PROPOSED SECTION 278 HIGHWAY WORKS ARE SUBJECT TO HIGHWAYS AUTHORITY APPROVAL.
3. PRIOR TO WORKS COMMENCING ON SITE, THE CONTRACTOR SHALL ARRANGE A PRE-START MEETING WITH THE HIGHWAY AUTHORITY.
4. THE HIGHWAY WORKS SHALL BE INSPECTED / SUPERVISED BY THE HIGHWAYS AUTHORITY ENGINEER THROUGHOUT THE CONSTRUCTION PHASE AND UP TO PRACTICAL COMPLETION.
5. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS VOLUME 1 AND TO THE APPROVAL OF THE HIGHWAYS AUTHORITY
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH HIGHWAYS AUTHORITY REQUIREMENTS, STANDARD DETAILS, MCHW, AND SLR SERIES 010123 DRAWINGS.
7. BITUMINOUS MATERIALS SHALL CONFORM TO MCHW CC 202, BS EN 13108 AND SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH BRITISH STANDARDS, AND THE RESULTS MADE AVAILABLE FOR INSPECTION BY THE ENGINEER.
8. ALL JOINTS BETWEEN NEW AND EXISTING CONSTRUCTION SHALL BE SEALED IN ACCORDANCE WITH HIGHWAY AUTHORITY'S REQUIREMENTS (I.E. HOT POURED BITUMEN OR OVERBANDING TAPE). ANY JOINT ON THE SURFACE COURSE SHALL ALSO BE LOCATED WITHIN THE ROAD MARKINGS. JOINTS WITHIN WHEEL TRACK AREAS WILL NOT BE PERMITTED.
9. ALL BITUMINOUS MATERIALS SHALL BE MACHINE LAID, HAND LAID MATERIALS MAY ONLY BE USED WHERE RESTRICTED TO SMALL AREAS AND WHEN AGREED WITH THE HIGHWAY AUTHORITY SUPERVISING ENGINEER.
10. LIMESTONE AGGREGATE IS NOT TO BE USED IN THE SURFACE COURSE, OR ANY COURSE SUBJECT TO TRAFFICKING.
11. AFTER PLANING TO THE REQUIRED DEPTH (NOMINAL 100 mm FOR SURFACE AND BINDER COURSES AND 65mm FOR SURFACE COURSE & PADCOAT), ANY UNSOUND EXISTING SURFACING WHICH MAY DELAMINATE IS TO BE REMOVED PRIOR TO NEW SURFACING. THE DEPTH OF PLANING IS A GUIDE, THE FULL DEPTH OF THE EXISTING THIN SURFACE COURSE / BINDER LAYERS SHALL BE REMOVED.
12. ALL LONGITUDINAL JOINTS IN ALL SURFACING LAYERS SHALL BE SITUATED OUTSIDE OF WHEEL TRACK ZONES AS STIPULATED IN MCHW CC 202 CLAUSE 5.3.
13. CARRIAGEWAY CONSTRUCTION TO BE MINIMUM PSV OF 60. ALL REQUIREMENTS FOR THE TRANSPORT, LAYING, COMPACTION, AND TESTING OF ALL ASPALT MATERIAL MUST MEET THE REQUIREMENTS OF MCHW CC 202 AND BS 594987.
14. THE CONTRACTOR SHALL UNDERTAKE THE REQUIRED MATERIALS TESTING IN ACCORDANCE WITH MCHW CC 202 AND SHALL INCLUDE THE COST OF TESTING IN THE TENDER.
15. AREAS OF FULL DEPTH CONSTRUCTION SHOWN INDICATIVELY BASED ON FINISHED LEVELS AND EXISTING SURVEY.
16. ALL EXISTING SERVICE COVERS AND FRAMES SHALL BE RAISED/LOWERED TO MATCH NEW LEVELS.
17. UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL UNDERTAKE TESTING OF THE ROAD SURFACE TO ENSURE IT MEETS THE REQUIREMENTS OF MCHW CC 202 AND THE HIGHWAYS AUTHORITY'S REQUIREMENTS.
18. UPON COMPLETION OF THE WORKS, THE CONTRACTOR SHALL UNDERTAKE ALL NECESSARY MAINTENANCE REPAIRS TO RETURN THE HIGHWAY TO ITS FORMER CONDITION.
19. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION PROGRAMME.
20. ANY DISCREPANCIES ON SITE MUST BE REPORTED TO THE ENGINEER IMMEDIATELY.
21. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE HEALTH AND SAFETY AT WORK etc. ACT.
22. THE PRESENCE OF STATUTORY UNDERTAKERS EQUIPMENT IN THE HIGHWAY SHOULD BE VERIFIED BY THE CONTRACTOR ON SITE PRIOR TO STARTING ANY WORKS. THE LOCATION OF STATUTORY PLANT SHOWN ON ANY PLANS IS INDICATIVE ONLY AND SHOULD NOT BE RELIED UPON FOR THE LOCATION OF ANY PIPEWORK OR CABLES.
23. EXISTING GROUND ON WHICH ANY NEW ADAPTABLE HIGHWAY IS TO BE LAID SHALL BE INVESTIGATED IN ACCORDANCE WITH THE HIGHWAY AUTHORITY'S STANDARDS AND GEOTECHNICAL ADVISOR'S REQUIREMENTS.
24. ALL SITE / GROUND INVESTIGATORY WORKS SHALL ALSO BE CARRIED OUT IN ACCORDANCE WITH BS 5930:2015+A1:2020 AND BS 1377.
25. ALL UNACCEPTABLE MATERIALS DEFINED WITHIN MCHW CC 601 AND THE HIGHWAYS AUTHORITY'S STANDARDS SHALL REMOVED IN ACCORDANCE WITH THESE STANDARDS AND REPLACED WITH SUITABLE FILL MATERIAL IN ACCORDANCE WITH THE HIGHWAYS AUTHORITY'S REQUIREMENTS.
26. AREAS OF CONTAMINATED OR POTENTIALLY CONTAMINATED GROUND SHALL BE INVESTIGATED AND TESTING IN ACCORDANCE WITH BS 10175:2011+A2:2017.
27. ALL FILL MATERIALS ARE TO BE OF ACCEPTABLE CLASSIFICATION AND SHALL BE STORED AND LAID IN ACCORDANCE WITH MCHW CC AND HIGHWAYS AUTHORITY'S REQUIREMENTS.
28. THE DEVELOPER WILL BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED TO PUBLIC HIGHWAYS BY CONSTRUCTION TRAFFIC PROCEEDING TO OR FROM THE SITE. CONSTRUCTION TRAFFIC WILL BE CLASSED AS 'EXTRA-ORDINARY TRAFFIC' ON PUBLIC HIGHWAYS. PHOTOGRAPHS SHALL BE TAKEN BY THE DEVELOPER'S REPRESENTATIVE IN THE PRESENCE OF THE HIGHWAY AUTHORITY REPRESENTATIVE SHOWING THE CONDITION OF THE EXISTING PUBLIC HIGHWAYS ADJACENT TO THE SITE, AND A SCHEDULE OF DEFECTS AGREED PRIOR TO WORKS COMMENCING ON SITE.
29. THE DEVELOPER OF THEIR CONTRACTOR WILL NEED OBTAIN THE NECESSARY HIGHWAYS PERMITS / LICENSES BEFORE ANY WORKS CAN UNDERTAKEN ON THE HIGHWAY.
30. ONLY CONTRACTORS WHO HAVE APPROPRIATE ACCREDITATION AND SATISFY THE REQUIREMENTS OF THE HIGHWAY AUTHORITY SWILL BE PERMITTED TO CARRY OUT WORKS ON THE HIGHWAY.
31. THE DEVELOPER MUST ENSURE THAT THE EXISTING PUBLIC HIGHWAY IS KEPT CLEAN, FREE FROM DUST, MUD AND DEBRIS OF ANY DESCRIPTION. THEREFORE, THE DEVELOPER SHOULD EMPLOY SUCH EQUIPMENT, MECHANICAL OR OTHERWISE, AS NECESSARY TO CLEAN THE HIGHWAY AND/OR THE WHEELS OF VEHICLES USING THE DEVELOPMENT.

LEGEND

NEW FULL DEPTH CARRIAGEWAY CONSTRUCTION
40mm THICK HRA 55/10 F SURF 40/60 PEN WITH 20mm PRE-COATED CHIPPINGS, PSV = 60 MINIMUM. TO COMPLY WITH BS EN 13108, BS 594987, PD6691.
60mm THICK AC20 BIN 40/60 PEN DES TO BS EN 13108, BS 594987, PD 6691
125mm THICK AC32 BASE 40/60 PEN DES TO BS EN 13108, BS 594987, PD 6691
350mm THICK UNBOUND TYPE 1 SUB-BASE TO MCHW CC 201
SUB-BASE MATERIAL MUST BE VERIFIED BY THE USE OF CBR TESTS AND MUST ACHIEVE A MINIMUM VALUE OF 30% PRIOR TO LAYING ANY ASPHALT / BITUMINOUS MATERIAL.
SUB-BASE DEPTH SPECIFIED ABOVE IS BASED ON AN ASSUMED FORMATION / SUB-GRADE CBR VALUE OF 2.5 - 5%
ACCURATE FORMATION LEVEL CBR VALUES MUST BE ESTABLISHED IN ACCORDANCE WITH HIGHWAY AUTHORITY REQUIREMENTS AND SUB-BASE DEPTH AGREED WITH HERTFORDSHIRE COUNTY COUNCIL CLERK OF WORKS / SUPERVISING ENGINEER.
WHERE FORMATION CBR VALUES ARE LESS THAN 2.5% THE HERTFORDSHIRE COUNTY COUNCIL COUNCIL'S CLERK OF WORKS / SUPERVISING ENGINEER AND DESIGNER SHALL BE CONSULTED.

CARRIAGEWAY CONSTRUCTION (WIDTH 1.1m OR LESS)
SURFACE COURSE AND BINDER COURSE SAME AS FULL DEPTH CONSTRUCTION AND LAID ON:
350mm THICK GRADE C25 / 30 CONCRETE SUB-BASE / CAPPING IN ACCORDANCE WITH BS 8500 PARTS 1 AND 2

CARRIAGEWAY RESURFACING / REPROFITING
EXISTING CARRIAGEWAY TO BE PLANED OFF AND RESURFACED WITH THE FOLLOWING:
MINIMUM 40mm THICK HRA 55/10 F SURF 40/60 PEN WITH 20mm PRE-COATED CHIPPINGS, PSV = 60 MINIMUM. TO COMPLY WITH BS EN 13108, BS 594987, PD6691.
EXISTING CARRIAGEWAY TO RECEIVE REGULATING / PAD COURSE AFTER SCARIFYING / PLANING AS REQUIRED.
PRIOR TO LAYING THE NEW SURFACE COURSE THE SHALL BE SWEEP WITH A MECHANICAL BROOM / SWEEPER TO ENSURE THAT IT IS FREE OF DUST AND FOREIGN MATERIAL, AND IS THOROUGHLY CLEAN AND DRY. AN APAS APPROVED / POLYMER MODIFIED BITUMEN EMULSION BOND COAT AND TANKER TO BE APPLIED TO THE CLEANED SURFACE

PROPOSED CONSTRUCTION TIE-IN WITH EXISTING
SITE ACCESS - BINDER LAYER OF NEW FULL DEPTH CONSTRUCTION TO BE OVERLAPPED BY 600mm & BASE LAYER 300mm INTO EXISTING CONSTRUCTION

PROPOSED JUNCTION TABLE CONSTRUCTION
EXISTING HARD / ASPHALT MATERIALS TO BE REMOVED. NEW CONSTRUCTION TO CONSIST OF THE FOLLOWING:
200 x 100 x 80mm THICK CONCRETE BLOCK PAVING LAID IN HERRINGBONE PATTERN
30mm SHARP SAND BEDDING LAYER
130mm THICK AC32 BASE 40/60 PEN DES TO BS EN 13108, BS 594987, PD 6691.
CORED AT REGULAR INTERVALS FOR DRAINAGE PURPOSES.
130mm TYPE 1 SUB-BASE MATERIAL MCHW CC 201. (THICKNESS BASED ON ASSUMED EXISTING CARRIAGEWAY ASPHALT LAYERS BEING 250mm APPROX.)

JUNCTION TABLE RAMP CONSTRUCTION (1in12 GRADIENT MAX.)
EXISTING ROAD SURFACE TO BE CLEARED OF DUST AND LOOSE MATERIAL, THEN BOND COAT APPLIED TO CLEAN SURFACE PRIOR TO BEING OVERLAD WITH THE FOLLOWING:
40mm THICK HRA 55/10 F SURF 40/60 PEN WITH 20mm PRE-COATED CHIPPINGS, PSV = 60 MINIMUM. TO COMPLY WITH BS EN 13108, BS 594987, PD6691.
REGULATING AC20 BIN 40/60 PEN DES TO BS EN 13108, BS 594987, PD 6691 (MINIMUM 60mm THICK)

FOOTWAY CONSTRUCTION
20mm THICK SURFACE COURSE - AC6 DENSE SURF 100/150 TO BS EN 13108
60mm THICK BINDER COURSE - AC 20 DENSE BIN 100/150 TO BS EN 13108
150mm THICK UNBOUND TYPE 1 SUB-BASE TO MCHW CC 201

FOOTWAY OVERLAY
EXISTING ROAD SURFACE TO BE CLEARED OF DUST AND LOOSE MATERIAL, THEN BOND COAT APPLIED TO CLEAN SURFACE PRIOR TO BEING OVERLAD WITH THE FOLLOWING:
20mm THICK AC6 DENSE SURF 100/150 DES TO BS EN 13108
REGULATING AC 20 DENSE BIN 100/150 REC TO BS EN 13108

FOOTWAY RESURFACING
EXISTING FOOTWAY SURFACE TO BE PLANED OFF, AREA CLEARED OF DUST AND LOOSE MATERIAL, THEN BOND COAT APPLIED TO CLEAN SURFACE PRIOR TO BEING OVERLAD WITH THE FOLLOWING:
REGULATING AC6 DENSE SURF 100/150 DES TO BS EN 13108 (MINIMUM THICKNESS 20mm)

TACTILE PAVING CONSTRUCTION
BUFF COLOUR BLISTER TACTILE PAVIOURS 450x450x50mm
25mm THICK CLASS 1 CEMENT MORTAR TO BS 7263 PART 2 CL 6.2
150mm THICK TYPE 1 UNBOUND SUB-BASE MATERIAL MCHW CC 201
RED COLOUR BLISTER TACTILE PAVIOURS 400x400x50mm
25mm THICK CLASS 1 CEMENT MORTAR TO BS 7263 PART 2 CL 6.2
150mm THICK TYPE 1 UNBOUND SUB-BASE MATERIAL MCHW CC 201
BUFF COLOUR CORDUROY / HAZARD WARNING PAVIOURS 400x400x50mm (LAID TRANSVERSELY ACROSS FOOTWAY).
25mm THICK CLASS 1 CEMENT MORTAR TO BS 7263 PART 2 CL 6.2
150mm THICK TYPE 1 UNBOUND SUB-BASE MATERIAL MCHW CC 201

GRASS VERGE / LANDSCAPING
MINIMUM 150mm DEPTH OF TOPSOIL AND SEED TO HIGHWAY AUTHORITY SPECIFICATION / REQUIREMENTS
ANY EXISTING HARD MATERIALS AND BEDDING / SUB-BASE MATERIAL SHALL BE REMOVED.
AT LOCATIONS OF EXISTING SOFT GROUND THE AREA SHALL BE SURFACE STRIPPED TO PROVIDE REQUIRED DEPTH OF GRASS VERGE.

PROPOSED INFILTRATION BASIN, TO HAVE MAX. 1in3 SIDE SLOPES AND SEEDED TO HERTFORDSHIRE COUNTY COUNCIL REQUIREMENTS

KERB AND EDGING CONSTRUCTION
KERB FOUNDATIONS SHALL COMPLY WITH SLR DRAWING 010123-SLR-HGN-XXX-DR-CH-0130
PCC 125 x 255mm HALF BATTERED KERB TO BE LAID WITH 125mm UPSTAND
125 x 255mm HALF BATTERED TO BULLNOSE TRANSITION KERB
125mm TO 6mm UPSTAND AT PEDESTRIAN CROSSINGS
125 x 255/150mm HALF BATTERED TO BULLNOSE TRANSITION KERB
125mm TO 125mm UPSTAND AT PROPOSED JUNCTION TABLE LOCATIONS
PCC 125 x 150mm BULLNOSE KERB TO BE LAID WITH 6mm UPSTAND AT PEDESTRIAN CROSSING LOCATIONS
PCC 125 x 255mm BULLNOSE KERB LAID WITH 125mm UPSTAND IN RELATION TO EXISTING ROAD SURFACE. UPSTAND TO BE 6mm AT PEDESTRIAN CROSSING
PCC 125 x 255mm BULLNOSE KERB TO BE LAID WITH 6mm UPSTAND AT BOTTOM OF JUNCTION TABLE RAMP AND LAID UPSIDE DOWN AND FLUSH AT TOP OF RAMP.
PCC 50 x 150mm FLAT TOP EDGING LAID FLUSH WITH SURROUNDING SURFACES

REFER TO SLR CONSTRUCTION DETAIL DRAWINGS 010123-SLR-HGN-XXX-DR-CH-130 & 131 FOR TACTILE PAVING CONSTRUCTION, KERB AND EDGING FOUNDATIONS

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