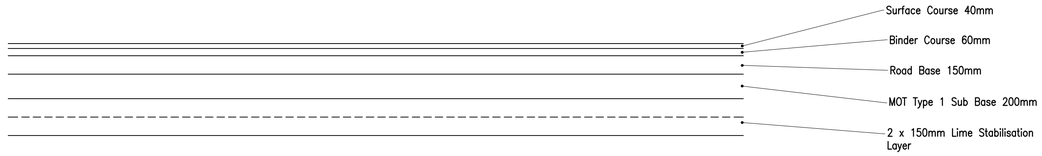
Original Drawing Size A1



Carriageway Construction
SCALE 1:25

Carriageway Construction Type A

Layer	Clause	Material	Thickness	Special Requirements
Surface Course TO BE CONSTRUCTED AT ROUNDABOUTS ONLY AT THIS STAGE.	903AR	Stone Mastic Asphalt to Devon County Council requirements for industrial mix: SMA 10 surf 40/60 PSV 65 TO BE CONSTRUCTED ON MLR ROUNDABOUT ONLY NOT FOR CONSTRUCTION ALONG MLR – Surface course to be built at future stage of works.	40mm	Devon County Council specification clause 903AR, 50 PEN or similar approved.
Binder Course	906 or 929	Dense Base and Binder Course Asphalt Concrete: AC 20 dense bin 40/60 rec. or AC 20 HDM bin 40/60 des. If used as a temporary running surface open to public: a minimum PSV 60. TO BE USED AS A TEMPORARY RUNNING SURFACE OPEN TO PUBLIC ON MLR, STATION ROAD AND PARSONS LANE LINK ONLY. Surface course at these locations to be built at future stage of works. NOT TO BE USED AS A TEMPORARY SURFACE ON MLR ROUNDABOUT AND PLL ROUNDABOUT.	60mm	BS EN 13108-1 PD 6691 Table B11 Gravel shall not be used. All bound carriageway construction to be core tested after installation for mix density and air voids. If used as a temporary running surface open to public: lime stone aggregates shall not be used.
Base Course	906 or 929	Dense Base and Binder Course Asphalt Concrete: AC 32 dense base 40/60 rec. or AC 32 HDM base 40/60 des.	150mm	BS EN 13108-1 PD 6691 Table B11 Gravel shall not be used All bound carriageway construction to be core tested after installation for mix density and air voids.
Sub-base	803	MOT Type 1	200mm	
Capping		Lime Stabilisation	2 No. 150mm layers	Use of TENSAR P-355og Geogrid above and below joint at point of transition between Stone capping and Lime Stabilisation material.

Carriageway Construction Type B

Layer	Clause	Material	Thickness	Special Requirements
Surface Course TO BE CONSTRUCTED AT ROUNDABOUTS ONLY AT THIS STAGE.	903AR	Stone Mastic Asphalt to Devon County Council requirements for industrial mix: SMA 10 surf 40/60 PSV 65 TO BE CONSTRUCTED ON MLR ROUNDABOUT ONLY NOT FOR CONSTRUCTION ALONG MLR – Surface course to be built at future stage of works.	40mm	Devon County Council specification clause 903AR, 50 PEN or similar approved.
Binder Course	906 or 929	Dense Base and Binder Course Asphalt Concrete: AC 20 dense bin 40/60 rec. or AC 20 HDM bin 40/60 des. If used as a temporary running surface open to public: a minimum PSV 60. TO BE USED AS A TEMPORARY RUNNING SURFACE OPEN TO PUBLIC ON MLR, STATION ROAD AND PARSONS LANE LINK ONLY. Surface course at these locations to be built at future stage of works. NOT TO BE USED AS A TEMPORARY SURFACE ON MLR ROUNDABOUT AND PLL ROUNDABOUT.	60mm	BS EN 13108-1 PD 6691 Table B11 Gravel shall not be used. All bound carriageway construction to be core tested after installation for mix density and air voids. If used as a temporary running surface open to public: lime stone aggregates shall not be used.
Base Course	906 or 929	Dense Base and Binder Course Asphalt Concrete: AC 32 dense base 40/60 rec. or AC 32 HDM base 40/60 des.	150mm	BS EN 13108-1 PD 6691 Table B11 Gravel shall not be used All bound carriageway construction to be core tested after installation for mix density and air voids.
Sub-base	803	MOT Type 1	200mm	
Capping		Lime Stabilisation	3 No. 150mm layers	Use of TENSAR P-355og Geogrid above and below joint/ point of transition between Stone capping and Lime Stabilisation material.

FOOTWAY AND SHARED USE FACILITY CONSTRUCTION

Layer	Clause	Material	Thickness	Special Requirements
Surface Course NOT FOR CONSTRUCTION AT CURRENT STAGE OF WORKS.	–	Stone Mastic Asphalt Surface Course: SMA 6 surf 70/100 or SMA 6 surf 100/150 if no vehicular crossing NOT FOR CONSTRUCTION AT CURRENT STAGE OF WORKS.	25mm	Minimum PSV: PSV50 Maximum Aggregate Abrasion Value: AAV16 Limestone fine aggregate shall not be used Texture depth: No requirement Note: Vehicular crossings to be constructed as carriageway construction where commercial vehicle trafficking expected or likely, agricultural crossings to be concrete construction detail as show on detail drawing.
Binder Course TO BE USED AS TEMPORARY SURFACE OPEN TO PUBLIC.	906	Upgraded Dense Binder Course Asphalt Concrete: AC 20 dense bin 100/150 rec. TO BE USED AS A TEMPORARY RUNNING SURFACE OPEN TO PUBLIC AT THIS STAGE. Surface course to be built at future stage of works.	75mm	PD 6691 Table B11 Gravel shall not be used All bound footway construction to be core tested after installation for mix density and air voids.
Sub-base	803	Type 1	200mm	

TABLE 1

Overall construction width incl. verge and footway	A (*)
3.0m	109mm
4.2m	136mm
5.1m	159mm
8.4m	242mm

(*) A = Level difference (in mm) between top of Phase 1 Kerb (125mm upstand above binder course) and top of outer most footway edging

TACTILE PAVING SPECIFICATION

Location of Crossing	Requirements
MLR Phase 2	400x400x65mm thick concrete blister paving in natural by Marshalls or similar approved. Blister paving along MLR is sacrificial and will be replaced in future Stage of works.

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR COMMENCE SITE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT HIS OWN RISK.

Construction Design and Management (CDM)
Key Residual Risks

Contractors entering the site should gain permission from the relevant land owners and/or principle contractor working on site at the time of entry. Contractors shall be responsible for carrying out their own risk assessments and for liaising with the relevant services companies and authorities. Listed below are Site Specific key risks associated with the project.

1) Overhead and underground services
2) Street Lighting Cables
3) Working adjacent to water courses and flood plain
4) Soft ground conditions
5) Working adjacent to live highways and railway line
6) Unchartered services
7) Existing buildings with potential asbestos hazards

Notes:

1. Do not scale from this drawing.
2. All dimensions are in millimeters unless stated otherwise.
3. All materials and workmanship to be in accordance with the Contract Specification and the Department of Transport Specification for Highway Works and Devon County Councils highway construction details.
4. It is the Contractor's responsibility to liaise with all relevant services companies to ensure that all services are accurately located and adequately protected during construction.
5. CBR's to be confirmed by insitu tests carried out in accordance with local authority specification.
6. These details include the use of heavy kerb/paving products which the contractor is expected to handle using appropriate mechanical handling aids in accordance with HSE guidance.
7. All Insitu concrete & precast concrete to be sulphate resistant to class II and poker vibrated.
8. Reinstatement of all trenches shall comply with Devon County Council Specification for Highway Works.
9. All utility service trenches to be back filled in accordance with NRASWA (ie, GSB type 1).
10. All proposed utility service equipment positions to be agreed with Devon County Council engineer & relevant statutory authority prior to installation.
11. All material testing to be carried out by the Contractor in accordance with Devon County Council specifications and the Devon County Council engineers requirements.
12. No utility boxes are to be placed within 2m of pedestrian crossings.
13. All haunch's to feature a 50 x 50 key set 50 from rear face of kerb.
14. If CBR value is found to be less than 4.5% formation treatment to be directed.
15. No loose stone/chippings etc to be laid at back of adopted carriageway or footway.

-	First Issue	SM MSM PAB 07.07.21

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EDNC Consortium

EDNC Town Centre Parcel
TC4 Access Road

Standard Details
Sheet 1

Status		Status Date
Approval		July 2021
Drawn	Checked	Date
SM	MSM	07.07.21
Scale	Number	Rev
As shown	10301-150-701	-

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METRES

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