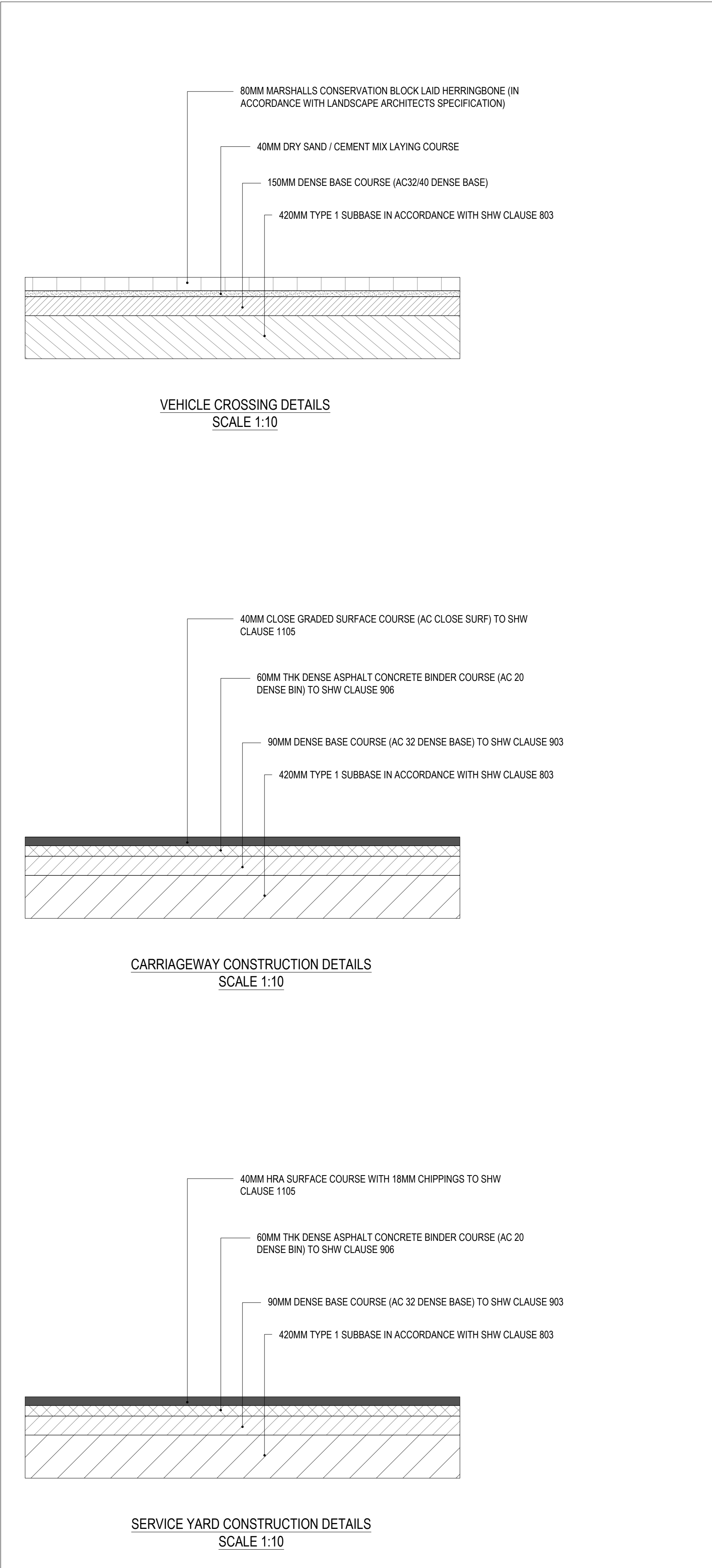
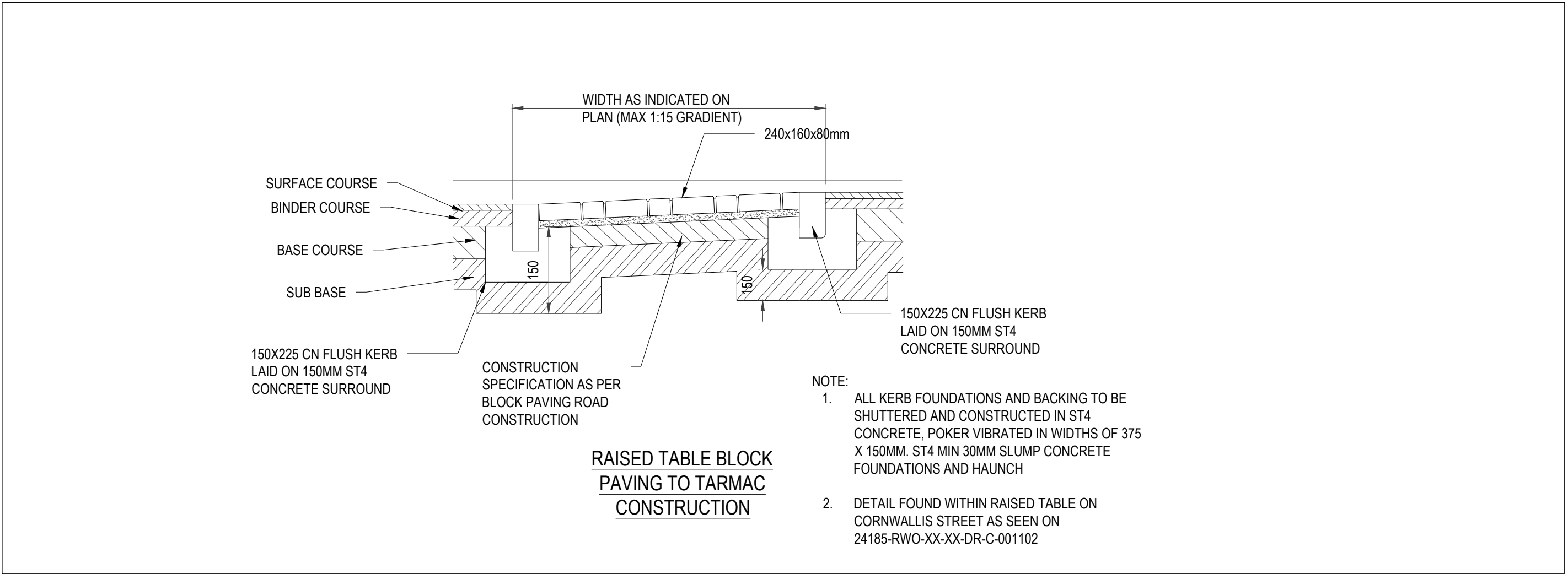
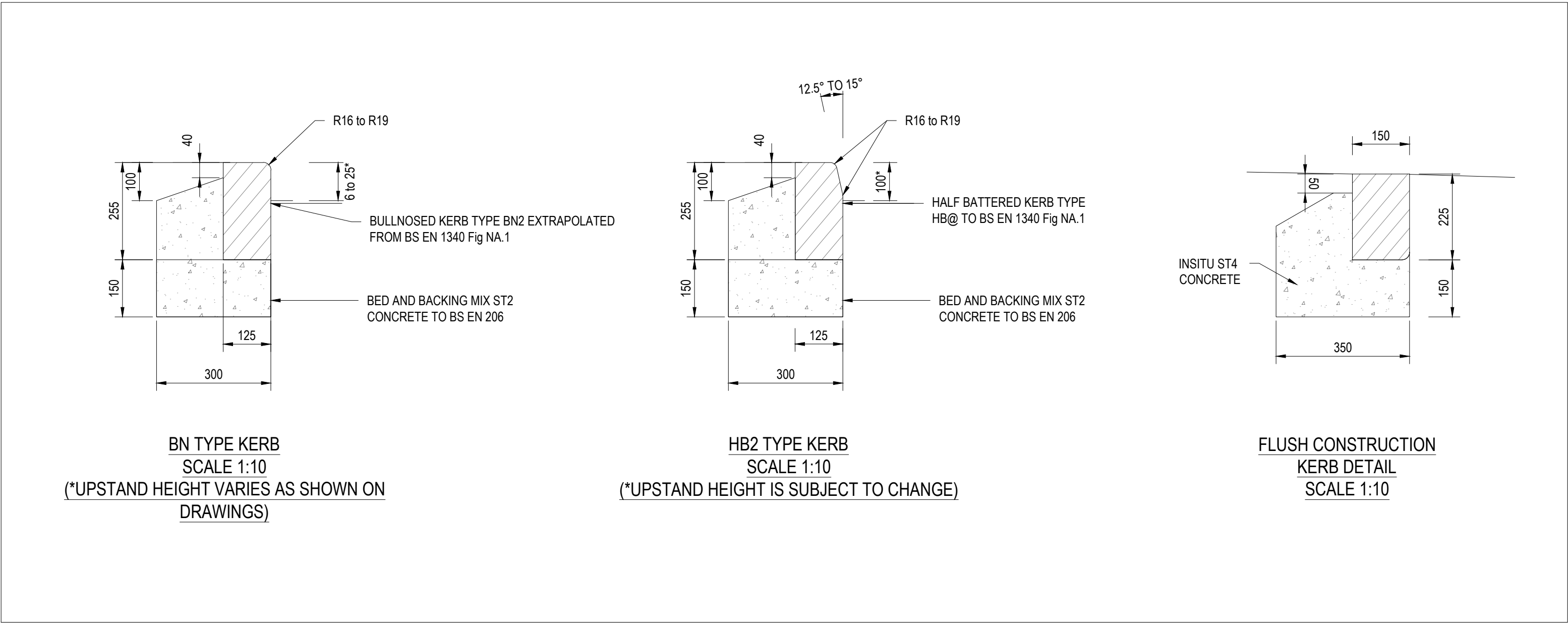
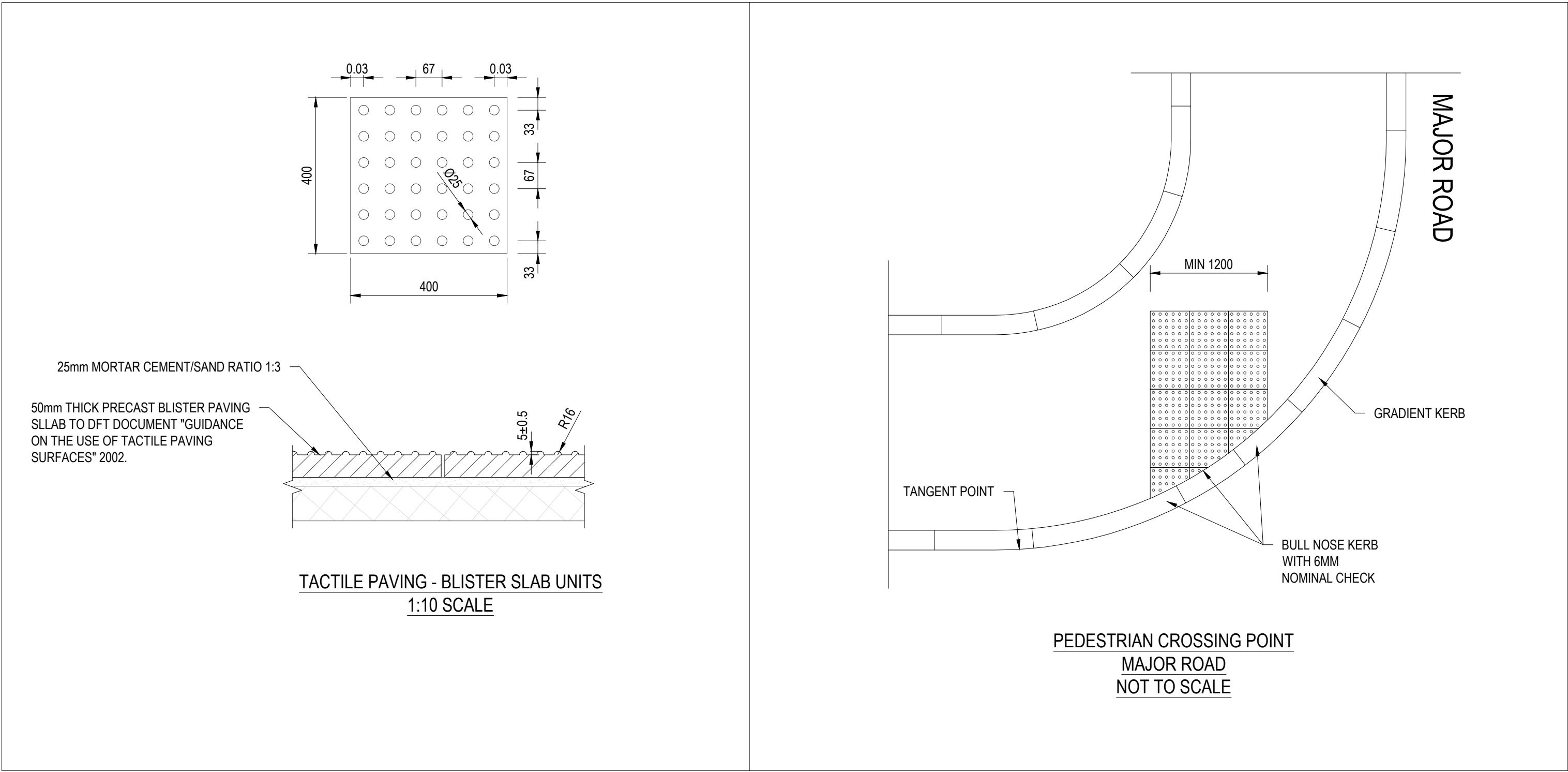




- NOTES:
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELATED DOCUMENTATION AND DRAWINGS.
  - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
  - THE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DFT MCHW, DMRB REQUIREMENTS.
  - REFER TO BELOW GROUND DRAINAGE AND LAYOUT DRAWINGS FOR SITE SPECIFIC DETAILS OF DRAINAGE.
  - FOR DESIGNED, DESIGNATED OR STANDARDIZED PRESCRIBED CONCRETE REFER TO BS EN 206-1 AND BS 8500. THEY SHALL HAVE A 20mm NOMINAL MAXIMUM SIZE OF AGGREGATE, AND A SLUMP CLASS S2 FOR TARGET 70mm AND NO ADMIXTURES.
  - CONCRETE PIPES TO BE TO BS EN 1916 & BS 5911-1, CLAYWARE PIPES TO BE TO BS EN 295, DUCTILE IRON PIPES TO BE TO BS EN 598 & PLASTIC PIPES TO BS EN 13476-1 AND 13476-2
  - ALL TRENCHES SITUATED WITHIN TRAFFICKED AREAS TO BE BACKFILLED IN ACCORDANCE WITH HAUC SPECIFICATION FOR THE REINSTATEMENT OF OPENINGS IN HIGHWAYS APPENDIX A1 CLASSES A,B,C,D.
  - BACKFILL TO TRENCHES TO BE SELECTED AS-DUG MATERIAL IN ACCORDANCE WITH BUILDING REGULATIONS APPROVED DOCUMENT H.
  - NOTE THE MAXIMUM TRENCH WIDTH MUST NOT BE EXCEEDED. IF THE WIDTH IS EXCEEDED THE CONTRACTOR MUST SUBMIT REVISED BEDDING PROPOSALS TO THE SUPERVISING OFFICER/ENGINEER.
  - SOFT SPOTS SHALL BE REMOVED FROM THE BOTTOM OF THE TRENCH AND OTHER EXCAVATIONS AND THEN BE REFILLED TO FORMATION LEVEL WITH THE SAME MATERIAL AS THE PERMANENT WORK WHICH IS TO REST ON THAT FORMATION. OVERDIG SHALL BE TREATED IN THE SAME MANNER AT CONTRACTORS EXPENSE AS INSTRUCTED BY THE SUPERVISING OFFICER/ENGINEER.
  - ALL CHANNELS IN FORMED CHAMBERS TO HAVE A CONTINUOUS GRADIENT EQUAL TO THE GRADIENT OF THE INCOMING OR OUTGOING PIPE THROUGHOUT THE WIDTH OF THE CHAMBER.
  - NOT WITHSTANDING SPECIFIC REQUIREMENTS FOR INDIVIDUAL CHAMBER TYPES ALL PIPES LEADING TO AND FROM CHAMBERS SHALL INCLUDE ROCKER PIPES.
  - INSPECTION CHAMBERS SHALL BE IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARD FOR THEIR MATERIAL, AS STATED IN TABLE 14 OF BUILDING REGULATIONS APPROVED DOCUMENT H.
  - ALL PIPES SHALL BE LAID SOFFIT TO SOFFIT UNO.
  - PCC MANHOLES, SOAKAWAYS & COVER SLABS TO BE BS EN 1917 AND BS 5911-3.
  - PREFORMED SWEEP CHANNELS SHALL BE USED AT JUNCTIONS AND NO BRANCH SHALL ENTER AT LESS THAN 90 DEGREES FROM THE OUTGOING SEWER.
  - MANHOLE ACCESS OPENINGS TO BE IN ACCORDANCE WITH TABLE 12 OF BUILDING REGULATIONS APPROVED DOCUMENT H.
  - ALL MANHOLE COVERS SHOULD BE IN ACCORDANCE AND BE BEDDED AND HAUNCHED IN MORTAR.
  - WHERE THERE IS DOUBT AS TO WHICH MANHOLE COVER SHOULD BE USED, A STRONGER CLASS SHOULD BE SELECTED. FRAMES FOR MANHOLES SHALL BE BEDDED IN CLASS M1 BEDDING MORTAR.
  - ALL MANHOLE FRAMES TO BE SET PARALLEL TO ADJACENT KERBS OR NEAREST BUILDINGS AND COVERS AND FRAMES TO BE FLUSH WITH SURFACE 15mm MAX.
  - COMPRESSIBLE FILLER TO PIPELINES TO BE USED TO INTERRUPT CONCRETE PROTECTION TO PIPELINES AND SHALL CONSIST OF BITUMEN IMPREGNATED INSULATING BOARD TO BS 1142 AT EACH PIPE JOINT.
  - REFERENCE SHALL BE MADE TO THE MANUFACTURER'S INSTRUCTIONS FOR PROPRIETARY PRODUCTS. CONSIDERATION WILL BE GIVEN TO ALTERNATIVE PRODUCTS OF EQUAL QUALITY BUT THE CONTRACTOR MAY NOT USE A SUBSTITUTE MATERIAL WITHOUT PRIOR WRITTEN APPROVAL OF THE SUPERVISING OFFICER/ENGINEER.
  - CONFLICTING INFORMATION SHOWN ON THE ENGINEER'S DRAWINGS OR DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER AND THAT PROVIDED BY OTHERS MUST BE REFERRED TO THE ENGINEER BEFORE THE WORKS COMMENCE.

|            |                                                  |    |     |     |
|------------|--------------------------------------------------|----|-----|-----|
| 24.03.2025 | UPDATED TO SUIT STC HIGHWAY COMMENTS             | TA | RO  | P03 |
| 13.03.2025 | CARRIAGEWAY DET. UPDATED TO INCLUDE SERVICE YARD | TA | RO  | P02 |
| 20.02.2025 | FOR ISSUE                                        | TA | RO  | P01 |
| DATE       | DESCRIPTION                                      | DR | CHK | REV |

FOR APPROVAL

RWO

Civil Structures Geoenvironmental

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NEWCASTLE | LEEDS | LONDON | STOKESLEY

CLIENT: CASTLE BS

PROJECT: SOUTH TYNESIDE COLLEGE

TITLE: SECTION 278 (PHASE1) PAVEMENT CONSTRUCTION TYPICAL DETAILS

PROJECT No: 24185

DISCIPLINE: CIVIL

SCALE: 1: AS SHOWN @: A1

DRAWING No: 24185-RWO-XX-XX-DR-C-01120

REV: P03