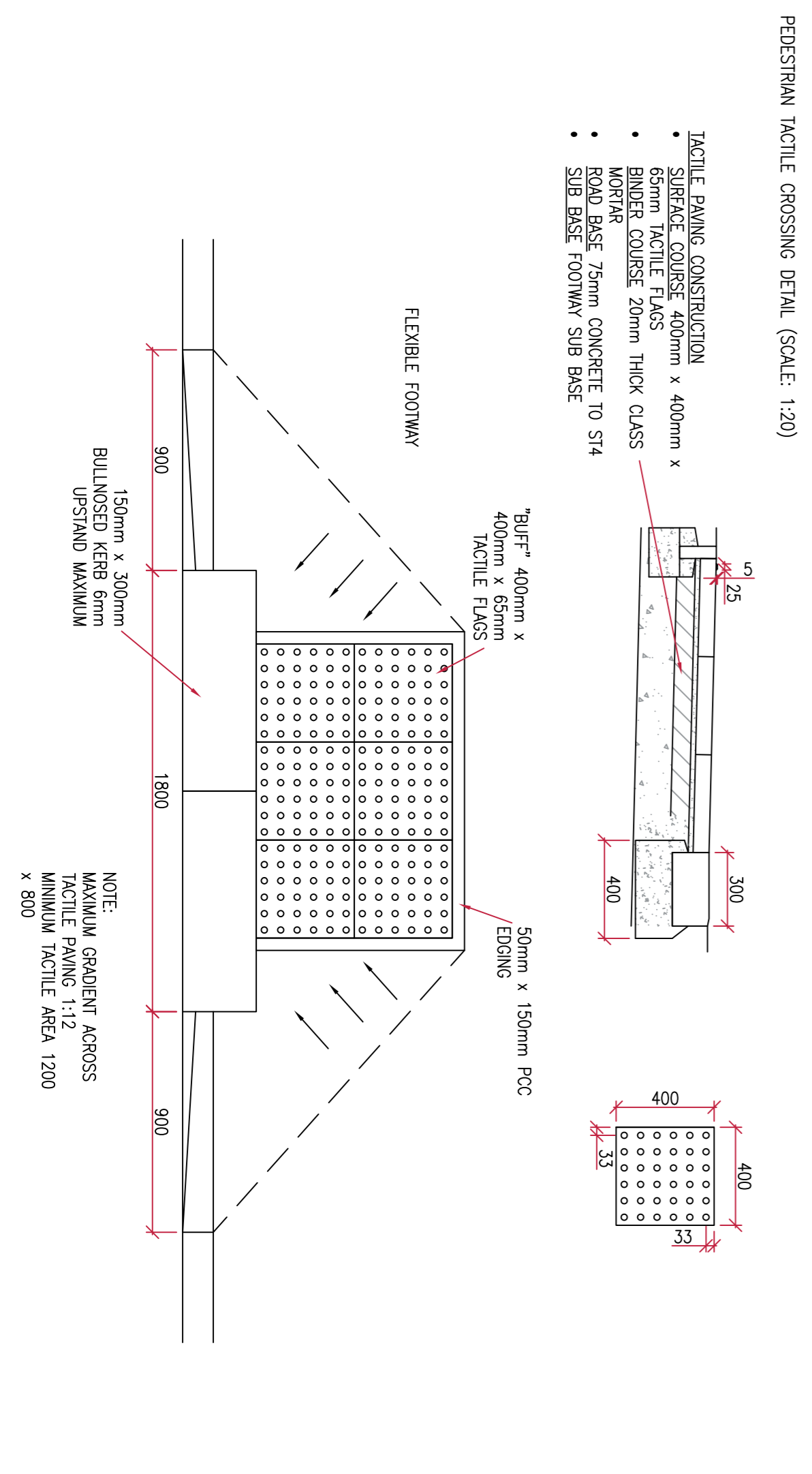
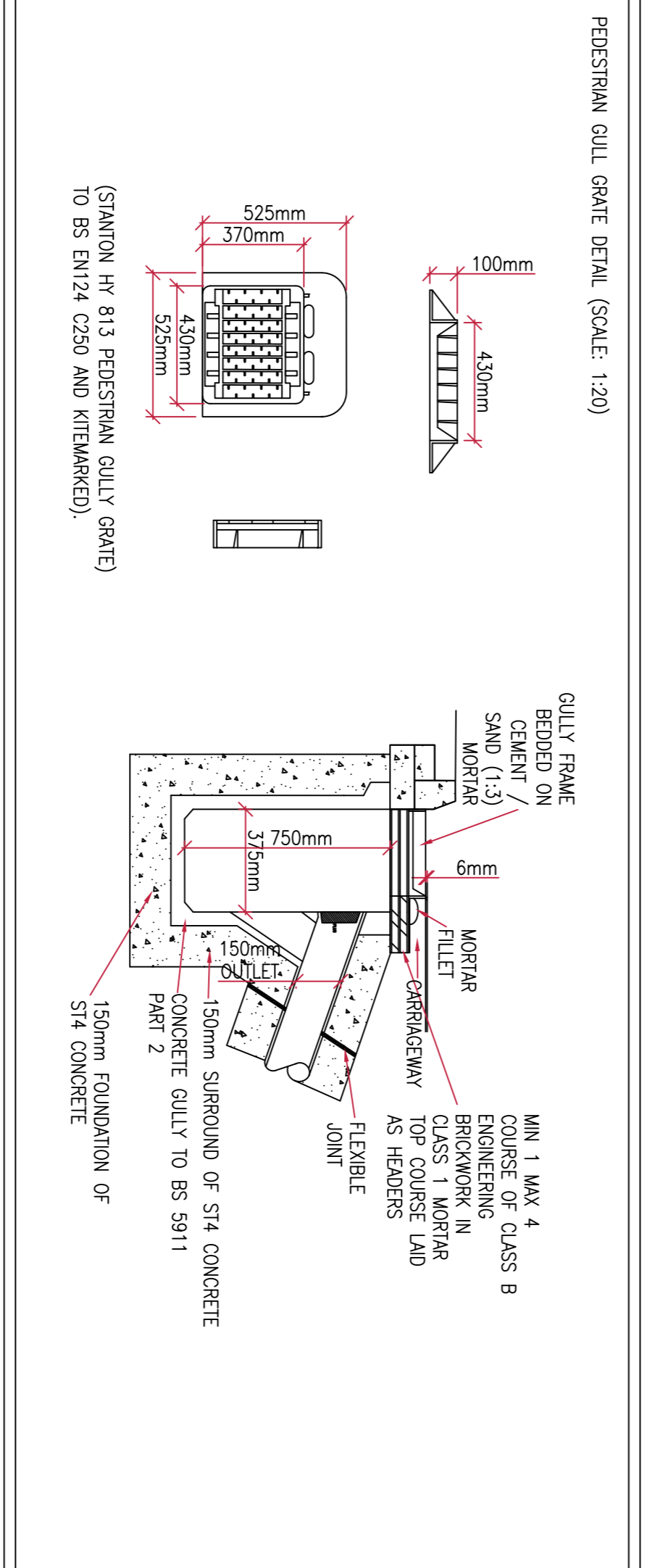
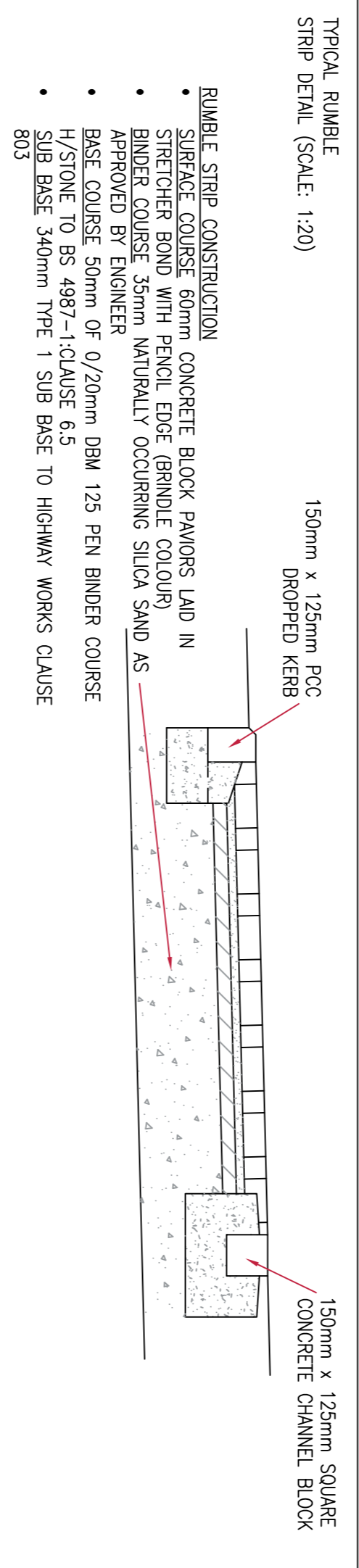
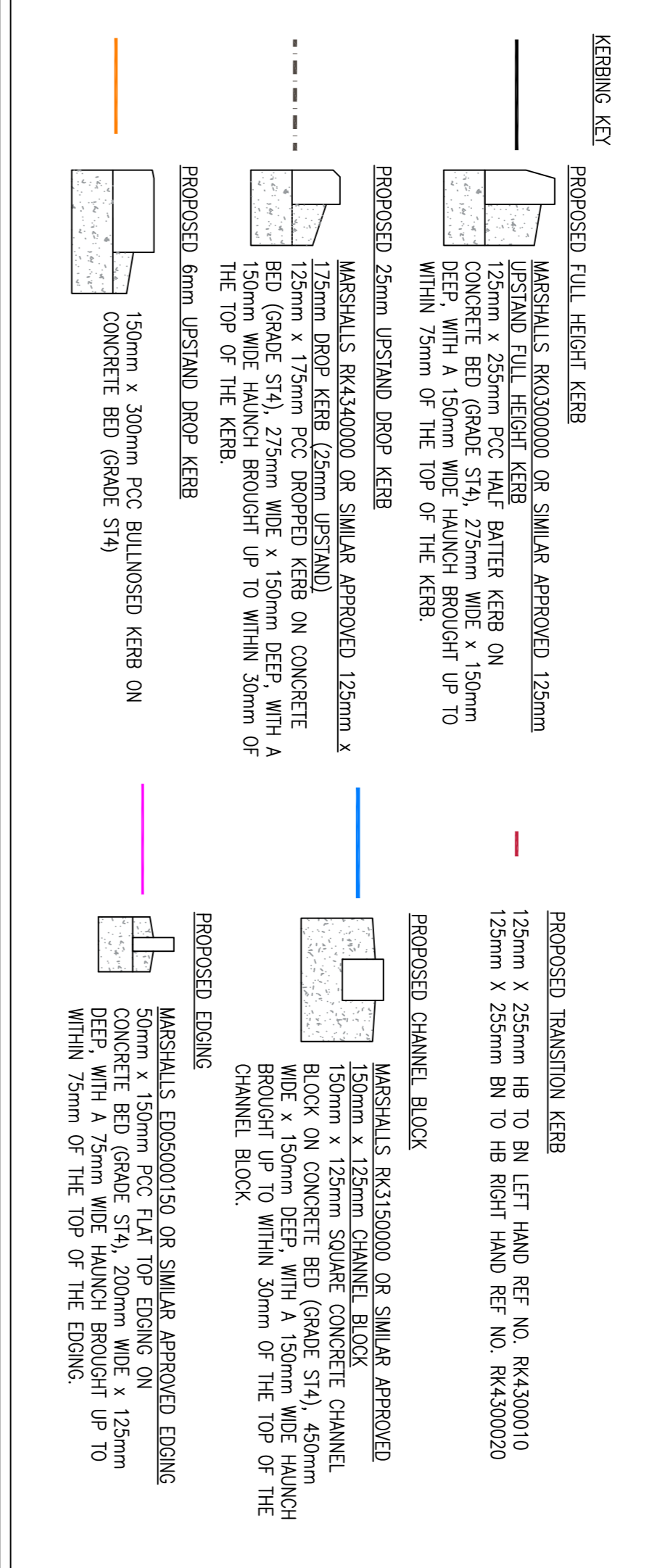




CONSTRUCTION KEY:

- BLOCK PAVED CARRIAGEWAY CONSTRUCTION**
 - SURFACE COURSE 60mm CONCRETE BLOCK PAVORS LAID IN STRETCHER BOND WITH PENICIL EDGE (BRINDLE COLOUR)
 - BINDER COURSE 35mm NATURALLY OCCURRING SILICA SAND AS APPROVED BY ENGINEER
 - BASE COURSE 50mm OF 0/20mm DBM 125 PEN BINDER
 - H/STONE TO BS 4987-1:CLAUSE 6.5
 - SUB BASE 340mm TYPE 1 SUB BASE TO HIGHWAY WORKS CLAUSE 803
- BLOCK PAVED MARGIN CONSTRUCTION**
 - SURFACE COURSE 60mm THICK CONCRETE BLOCK PAING IN STRETCHER BOND (CHARCOAL COLOUR)
 - BINDER COURSE 30mm SAND
 - SUB BASE 150mm TYPE 1 STONE
- TACTILE PAVING CONSTRUCTION**
 - FINISH COURSE 400mm x 400mm x 65mm TACTILE
 - BINDER COURSE 20mm THICK CLASS MORTAR
 - ROAD BASE 75mm CONCRETE TO ST4
 - SUB BASE FOOTWAY SUB BASE
- CARRIAGEWAY CONSTRUCTION**
 - SURFACE COURSE 30mm OF 0/10mm CC SURFACE COURSE 125 PEN H/STONE TO BS 4987-1:CLAUSE 7.4
 - BINDER COURSE 50mm OF 0/20mm DBM 125 PEN BINDER COURSE H/STONE TO BS 4987-1:CLAUSE 6.5
 - ROAD BASE 90mm OF 0/32mm DBM 125 PEN BASE L/STONE TO BS 4987-1:CLAUSE 5.2
 - SUB BASE 400mm TYPE 1 STONE SUB BASE TO HIGHWAY WORKS CLAUSE 803.
- FOOTWAY CONSTRUCTION**
 - SURFACE COURSE 25mm OF 0/6mm DBM 190 PEN SURFACE COURSE L/STONE TO BS 4987-1:CLAUSE 7.5
 - BINDER COURSE 55mm OF 0/20mm DBM 190 PEN BINDER COURSE L/STONE TO BS 4987-1: CLAUSE 6.5
 - ROAD BASE 150mm THICK TYPE 1 SUB BASE TO HIGHWAY WORKS CLAUSE 803



GENERAL NOTES:

- THIS DRAWING SHOWS THE DETAILED DESIGN ONLY AND IS SUBJECT TO LOCAL AUTHORITY APPROVAL. THIS DRAWING SHOULD NOT BE SCALED FOR SETTING OUT PURPOSES.
- THIS DRAWING IS BASED ON A TOPOGRAPHICAL SURVEY PROVIDED BY OTHERS.
- BITUMEN TACK COAT TO BE APPLIED BETWEEN EACH BITUMEN LAYER.
- THE LAYOUT AND POSITIONS OF ANY PEDESTRIAN CROSSINGS TO BE AGREED WITH THE LOCAL AUTHORITY ENGINEER ON SITE.
- KERBING NOTES:**
 - CONCRETE KERBS ABUTTING TARMAC SURFACING ARE REQUIRED TO BE PAINTED WITH A TACK COAT OF 200PEN BITUMEN.
 - ANY KERBS THAT ARE TO REMAIN IN-SITU AND ARE EITHER DAMAGED OR ARE OUT OF HORIZONTAL/VERTICAL ALIGNMENT WILL NEED REPLACING WITHIN THE S278 LIMITS AREA.
- CONSTRUCTION NOTES:**
 - ANY SOFT AREAS WILL REQUIRE EXCAVATING UNTIL FIRM GROUND IS FOUND AND BACKFILLING WITH A 6/2 MATERIAL AND TO BE COMPACTED IN 150mm LAYERS.
 - PAVEMENT CONSTRUCTION TO BE USED WOULD BE SELECTED ON THE BASIS OF CBR VALUES OBTAINED ON SITE ONCE CONSTRUCTION OF ROAD IS UNDERWAY.
 - GRANULAR SUB BASE LAYERS TO BE COMPACTED IN DEPTH LAYERS OF NO GREATER THAN 150mm.
 - WHEN THE WIDTH OF THE BASE OR SUB BASE IS LESS THAN 1.0m, CONCRETE MIX S15 25 N/mm² SHALL BE USED IN LEFT LANE. THE WIDTH OF THE CONCRETE WILL VARY FROM 0.0m TO 1.0m. ALTHOUGH IN THE LEFT OF SUB BASE UNDER THE KERBS THE WIDTH WILL NOT BE LESS THAN TOTAL THICKNESS OF THE FULL CARRIAGEWAY CONSTRUCTION. 100mm OF SURFACING IS REQUIRED ON TOP OF THE S15 CONCRETE.
 - PLANNED CARRIAGEWAY AREAS OR ANY NEWLY LAID TARMAC MORE THAN 24 HOUR OLD REQUIRES A HOT TACKER APPLIED BITUMEN TACK COAT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS, AS FOLLOWS:
 - THE BINDER SHALL BE BITUMEN EMULSION TO BS 434:PART 1
 - THE RATE OF SPREAD SHALL BE 0.3 TO 0.5/m²
 - PERMITTED ADDITIVES TO BINDER: NONE
 - BINDING MATERIAL: NONE
 - CARRIAGEWAY OVERBREAK AREAS REQUIRE:
 - PLANNED HORIZONTAL FACES TO BE SPRAYED WITH BITUMEN EMULSION CLASS K1-40 BS 434 AT RATE OF SPREAD 0.5:1.0 L/m²
 - VERTICAL PLANNED FACES TO BE COATED WITH 40 TO 70 PEN GRADE HOT OR EMULSION BITUMEN BY BRUSHING OR PURING TO ACHIEVE APPROXIMATELY 2mm THICKNESS.
- DRAINAGE/UTILITIES NOTES:**
 - ANY POLISHED/DAMAGED INSPECTION CHAMBERS WILL REQUIRE REPAIRING WITH A CLASS D400 600x600x150 COVER AND FRAME AND PLACED ON A SOLID CLASS B ENGINEERING BRICK WITH A CLASS 1 (1:3) MORTAR BED TO THE FINISHED SURFACE COURSE MATERIAL.
 - ANY STATUORY UTILITY COVERS/FRAMES THAT ARE DAMAGED WILL REQUIRE REPAIRING AND RESTITING TO THE NEW FINISHED SURFACE LEVELS. ANY DAMAGED DURING WORKS WILL NEED TO BE REPLACED.
 - ALL NEWLY INSTALLED STATUORY UNDERPARKERS APPARATUS WILL REQUIRE THE APPROPRIATE WARNING TAPE/ARMOURED TAPE TO BE LAID ON TOP OF THEIR DUCTS, AND ALL DUCTS SHOULD BE LAID TO THE DEPTHS IN ACCORDANCE WITH THE LATEST NUGG GUIDANCE PUBLICATION.
 - GULLIES LOCATED IN SHARED USE SURFACES MUST HAVE SUITABLE PEDESTRIAN AND CYCLIST FRIENDLY COVERS. THE OPENINGS IN GULLY GRATINGS MUST NOT ALIGN WITH CYCLISTS ANTICIPATED WHEEL TRACKS.
 - ANY DOUBLE GULLIES TO HAVE INDIVIDUAL GULLY LEADS.

REV	DATE	DESCRIPTION	DWG	REV
B	12/01/17	DETAILS ADDED, CONSTRUCTION AMENDMENTS, RED LINE BOUNDARY ADDED	1186	B
A	01/11/16	ROAD CONSTRUCTION AMENDMENTS AND DRAINAGE	01	A

PARAGON HIGHWAYS	JOB	DWG	REV
1186	01	B	
SCALE:	1:200	DATE:	Jan 2017

PARAGON HIGHWAYS
 WENTWORTH STREET,
 BIRDWELL,
 S38 DETAILED DESIGN