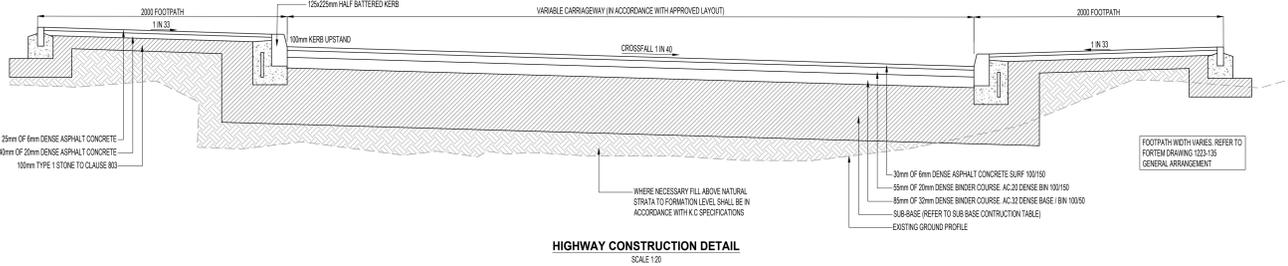
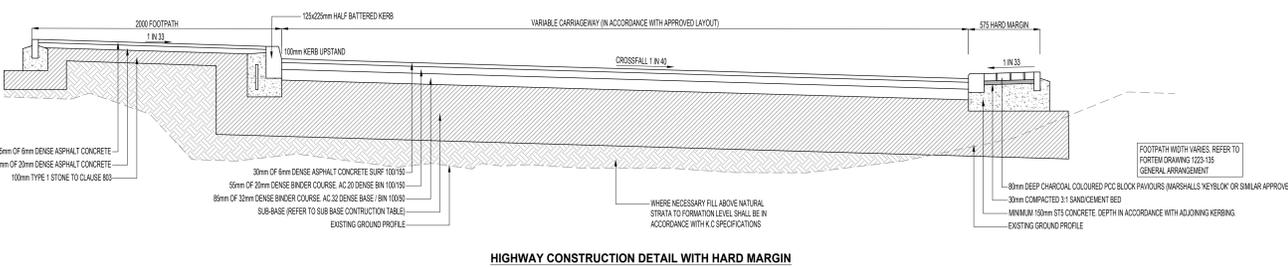


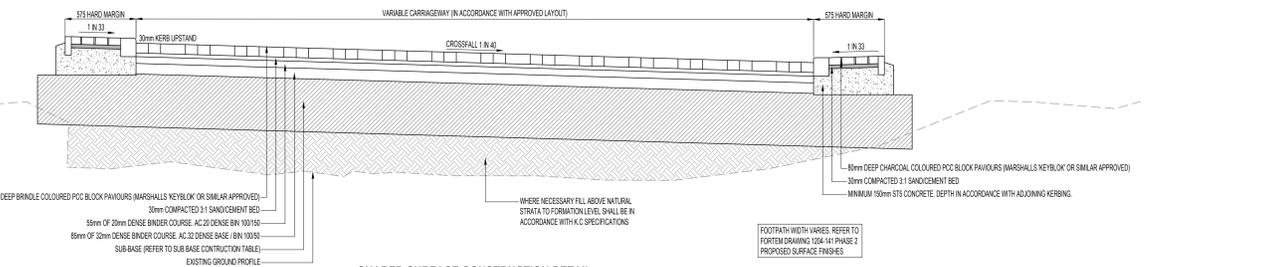
HIGHWAY CONSTRUCTION DETAIL
SCALE 1:20



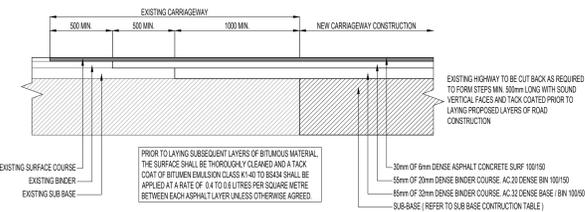
HIGHWAY CONSTRUCTION DETAIL
SCALE 1:20



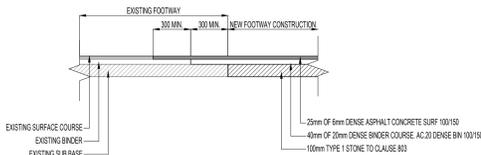
HIGHWAY CONSTRUCTION DETAIL WITH HARD MARGIN
SCALE 1:20



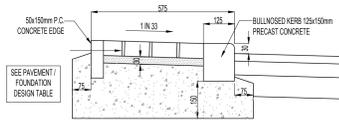
SHARED SURFACE CONSTRUCTION DETAIL
SCALE 1:20



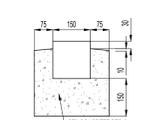
TYPICAL ROAD CONSTRUCTION TYING IN DETAIL
SCALE 1:20



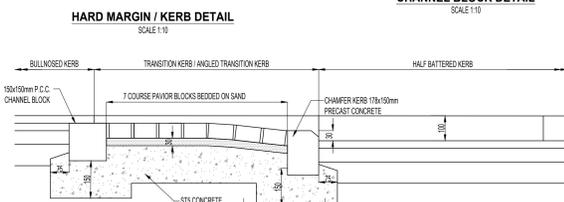
TYPICAL FOOTWAY TYING IN DETAIL
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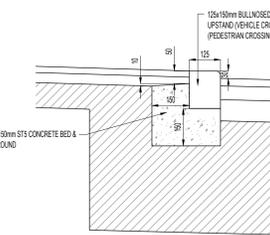
HARD MARGIN / KERB DETAIL
SCALE 1:10



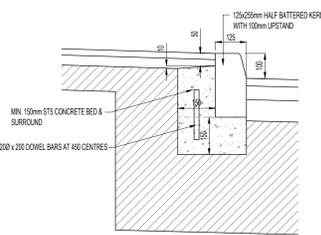
CHANNEL BLOCK DETAIL
SCALE 1:10



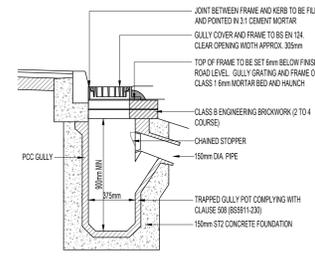
RAMP (BLOCK PAVIORS)
SCALE 1:10



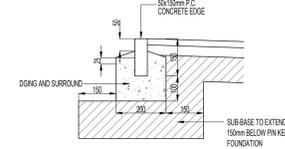
125x150mm BULLNOSED KERB
SCALE 1:10



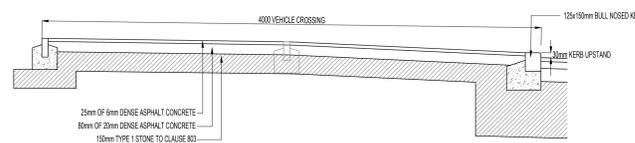
125x225mm HALF BATTERED KERB
SCALE 1:10



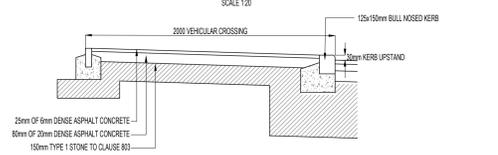
ROAD GULLY DETAIL
SCALE 1:20



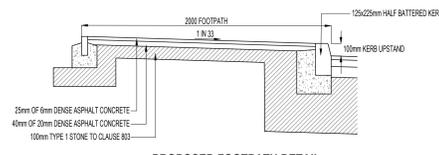
PIN KERB DETAIL



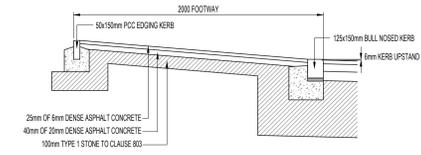
PROPOSED 4m VEHICLE CROSSING DETAIL
SCALE 1:20



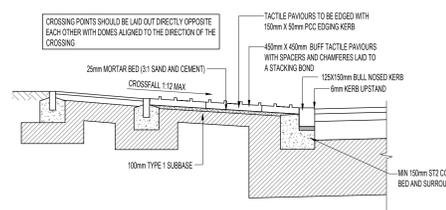
PROPOSED 2m VEHICLE CROSSING DETAIL
SCALE 1:20



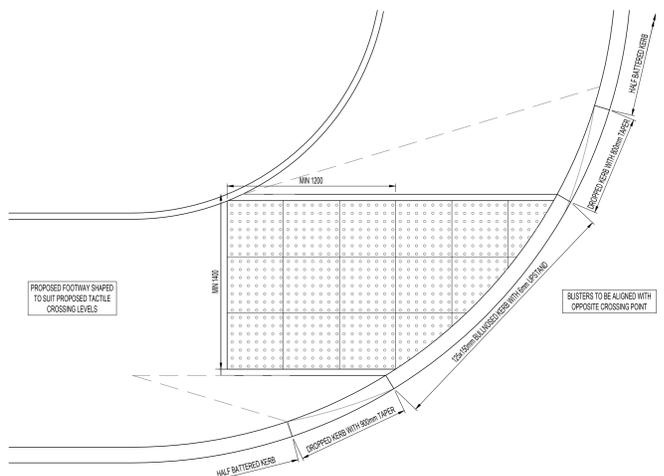
PROPOSED FOOTPATH DETAIL
SCALE 1:20



PROPOSED PEDESTRIAN CROSSING DETAIL
SCALE 1:20



SECTION THROUGH TACTILE PAVED CROSSING
SCALE 1:20

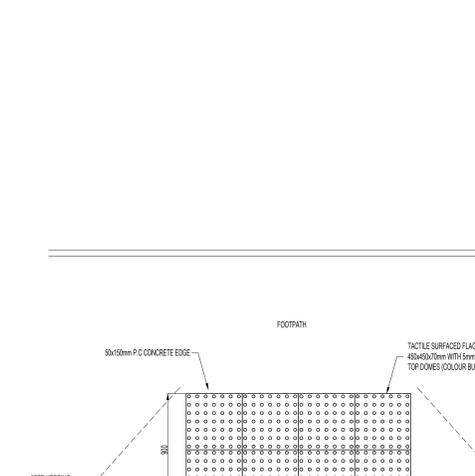


TACTILE PAVED CROSSING DETAIL: PLAN
SCALE 1:20

SUB BASE CONSTRUCTION TABLE:

PAVEMENT FOUNDATION (LOCAL RESIDENTIAL STREET / TRADITIONAL ESTATE ROAD TYPE B)	CSR%	+2.5%	GROUND REGRADATION REQUIRED TO IMPROVE SUB GRADE CSR			
			2.5 TO 3.0	3.0 TO 4.0	4.0 TO 5.0	5.0 TO 15.0
SUB BASE ONLY			450	420	370	280*
OR						
SUB BASE ON CAPPING			280*	280*	280*	280*
			300	320	270	240

*MINIMUM REQUIRED TYPE 1 SUB BASE DEPTH TO ACHIEVE 400mm OF NON-FROST SUSCEPTIBLE MATERIAL.



PLAN OF TACTILE PAVIOR CROSSING
SCALE 1:20

NOTES AND ROAD SPECIFICATION:

1. ALL ADAPTABLE HIGHWAY WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS OF KIRKLEES COUNCIL.
2. FOR GUIDANCE, ALL CLAUSE NUMBERS BELONG TO THE DEPT OF TRANSPORT'S SPECIFICATION FOR HIGHWAY WORKS 1991.
3. PREPARATION AND SURFACE TREATMENT OF FORMATION SHALL BE IN ACCORDANCE WITH CL. 616.
4. GENERAL REQUIREMENTS FOR ROAD PAVEMENTS SHALL BE IN ACCORDANCE WITH CLAUSES 701 TO 707 INCLUSIVE.
5. ALL BITUMEN MACADAM SHALL BE IN ACCORDANCE WITH B.S. 4987.
6. ALL BITUMINOUS BOUND MATERIALS SHALL BE TRANSPORTED, LAID AND COMPACTED IN ACCORDANCE WITH CL. 901.
7. GRANULAR TYPE 1 SUB BASE SHALL BE IN ACCORDANCE WITH CL. 803.
8. LAYING AND COMPACTING OF SUB BASE SHALL BE IN ACCORDANCE WITH CL. 802.
9. BASE SHALL BE DENSE MACADAM IN ACCORDANCE WITH CL. 903.
10. BINDER COURSE SHALL BE DENSE BITUMEN MACADAM IN ACCORDANCE WITH CL. 906.
11. LIMESTONE AGGREGATE IS NOT PERMITTED.
12. NO CUTS PERMITTED (E.G. FOR SERVICES) (ONCE BINDER COURSE IS LAID).
13. POSITION SIZE AND DEPTH OF ALL EXISTING SERVICES AND SERVICES SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT ON SITE AND ANY DISCREPANCIES REPORTED TO THE ENGINEER.
14. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT, AND TEMPORARY AND PERMANENT DIVERSION WORKS, AS NECESSARY TO ALL EXISTING SERVICES.
15. THE CONTRACTOR SHALL ALLOW FOR ALL TRAFFIC MANAGEMENT IN CONNECTION WITH ROAD AND SEWER WORKS.
16. THE CONTRACTOR SHALL ALLOW FOR KEEPING TRENCHES AND EXCAVATIONS AS OPEN AS PRACTICABLE BY PUMPING FROM TEMPORARY SUMPS AND DRAINWAYS AS APPROPRIATE. THE POINT AND METHOD OF DISCHARGE TO BE AGREED WITH THE DRAINAGE AUTHORITY AND ENVIRONMENT AGENCY.
17. IN-SITU AND PRECAST CONCRETE UNITS SHALL HAVE SULPHATE RESISTING PORTLAND CEMENT TO BS 4027, UNLESS AGREED OTHERWISE WITH THE ADOPTING AUTHORITY.
18. PRECAST CONCRETE PRODUCTS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS 5911:2002, BS EN 1916:2002, AND BS EN 1917:2002 AND BE KITEMARKED. CONCRETE PIPES TO BE CLASS 120 UNLESS NOTED OTHERWISE.
19. VITRIFIED CLAY PIPES AND FITTINGS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN285 AND BS 68 RESPECTIVELY AND BE KITEMARKED. ALL PIPES SHALL BE CLASS 120 TO BS EN285.
20. GULLY GRATES AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN124 AND BE OF A NON-ROOFTOP DESIGN WITH LEFT HANDED CAPTIVE HINGE ACCESS AND BE KITEMARKED. LOAD CLASS (BAY) FOR ROADS REGULARLY CARRYING FAST MOVING HEAVY VEHICLES, CLASS C250 TO BE USED IN LESSER TRAFFICKED AREAS eg. ESTATE ROADS, CUL-DE-SACS, RESIDENTIAL CAR PARKING AREAS ETC. TYPE D400-450 GRATE AND FRAME. MINIMUM AREA OF WATERWAY TO BE 1000mm² TYPE C250-450 GRATE AND FRAME. MINIMUM AREA OF WATERWAY TO BE 900mm².
21. BACKFILLING AND REINSTATEMENT TO TRENCHES IN PUBLIC HIGHWAYS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE ADOPTING AUTHORITY, OR, IN THE ABSENCE OF SUCH INFORMATION WITH THE REQUIREMENTS OF THE STREET WORKS REGULATIONS 1992 AND RELEVANT PROVISIONS OF H.A.U.C. SPECIFICATION FOR THE REINSTATEMENT OF OPENINGS IN HIGHWAYS' JUNE 1992, BOTH UNDER SECTION 7.1 OF THE NEW ROADS AND STREET WORKS ACT 1991.
22. UNSEALED AND LOOSE MATERIAL, SUCH AS GRAVEL, IS NOT TO BE USED ADJACENT TO THE ADOPTABLE HIGHWAY.
23. SHOULD THERE BE ANY CONFLICT BETWEEN THE INFORMATION ABOVE AND KIRKLEES COUNCIL RECOMMENDATIONS AND SPECIFICATIONS, THE ADOPTING AUTHORITY'S REQUIREMENTS TAKE PRECEDENCE. THE CONTRACTOR MUST LAISE CLOSELY WITH KIRKLEES COUNCIL WITH RESPECT TO ANY TESTING, APPROVALS, INSPECTIONS, PERMISSIONS OR LICENCES REQUIRED AS WORK PROGRESSES.

BITUMINOUS ROAD SPECIFICATION

SURFACE COURSE	30mm OF 6mm DENSE ASPHALT CONCRETE AC:20 DENSE SURF 100150
BINDER COURSE	40mm OF 20mm DENSE BINDER COURSE AC:20 DENSE BN 100150
BASE	85mm OF 30mm DENSE BINDER COURSE AC:20 DENSE BASE / BN 10050
SUB-BASE	REFER TO SUB-BASE CONSTRUCTION TABLE

SHARED SURFACE ROAD SPECIFICATION

SURFACE COURSE	80mm DEEP CHARCOAL COLOURED PCC BLOCK PAVIORS (MARSHALLS KEYBLOCK OR SIMILAR APPROVED)
LAYING COURSE	30mm COMPACTED 3:1 SAND/CEMENT BED
BINDER COURSE	40mm OF 20mm DENSE BINDER COURSE AC:20 DENSE BN 100150
BASE	85mm OF 30mm DENSE BINDER COURSE AC:20 DENSE BASE / BN 10050
SUB-BASE	REFER TO SUB-BASE CONSTRUCTION TABLE

BITUMINOUS FOOTPATH SPECIFICATION

SURFACE COURSE	25mm OF 6mm DENSE ASPHALT CONCRETE
BINDER COURSE	40mm OF 20mm DENSE ASPHALT CONCRETE
SUB-BASE	100mm TYPE 1 STONE TO CLAUSE 803

BITUMINOUS VEHICLE CROSSING SPECIFICATION

SURFACE COURSE	25mm OF 6mm DENSE ASPHALT CONCRETE
BINDER COURSE	40mm OF 20mm DENSE ASPHALT CONCRETE
SUB-BASE	150mm TYPE 1 STONE TO CLAUSE 803

HARD MARGIN SPECIFICATION

SURFACE COURSE	80mm DEEP CHARCOAL COLOURED PCC BLOCK PAVIORS (MARSHALLS KEYBLOCK OR SIMILAR APPROVED)
LAYING COURSE	30mm COMPACTED 3:1 SAND/CEMENT BED
SUB-BASE	MINIMUM 150mm STS CONCRETE DEPTH IN ACCORDANCE WITH ADJOINING KERBING

VERGE SPECIFICATION

SURFACE COURSE	MIN 150mm TOPSOIL AND SEEDED IN ACCORDANCE WITH K.C. SPECIFICATION
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FOOTWAY CONSTRUCTION TABLE:

TYPE	SUBBASE	BINDER COURSE	SURFACE COURSE
PEDESTRIAN FOOTPATH OR FOOTPATH	100mm TYPE 1	40mm 020 DENSE BINDER COURSE AC:20 DENSE BN 100150	25mm 06 DENSE SURFACE COURSE AC:20 DENSE BN 100150
VEHICULAR FOOTPATH CROSSING	150mm TYPE 1	60mm 020 DENSE BINDER COURSE AC:20 DENSE BN 100150	25mm 06 DENSE SURFACE COURSE AC:20 DENSE BN 100150

FLAGS OR SMALL LUMP FAVING - NOT SUITABLE FOR FOOTWAY VEHICULAR CROSSING OR OTHER AREA VULNERABLE TO VEHICULAR TRAFFIC

THIS DRAWING IS SUBJECT TO THE APPROVAL OF: KIRKLEES COUNCIL

Rev	Date	Amendments	By
Drawing Status: TENDER PACK			
FORTEM			
FORTEM Civil Engineering Consultants Ltd T: 01757 250170 01748 804658 E: info@fortemconsultants.co.uk W: www.fortemconsultants.co.uk			
Client: MILLER HOMES			
Project: HERMITAGE PARK, LEPTON			
Drawing Title: STANDARD HIGHWAY DETAILS			
Drawn: LS	Scale: AS SHOWN @ A1		
Checked: ML	Date: MAY 2025		
Drawn No:	1223 - 134	Rev:	-