

KEY:

----- SAW CUT EXISTING CARRIAGEWAY LEVELS

FULL CARRIAGEWAY CONSTRUCTION

50mm SURFACE COURSE - SMA 10 SURF 40/60
60mm BINDER COURSE - AC20 HDM BIN 40/60
150mm BASE COURSE - AC32 HDM BASE 40/60
TYPE 1 SUB BASE TO SERIES 800 MCHW
(THICKNESS CALCULATED USING CBR TEST RESULTS AND TABLE 1)

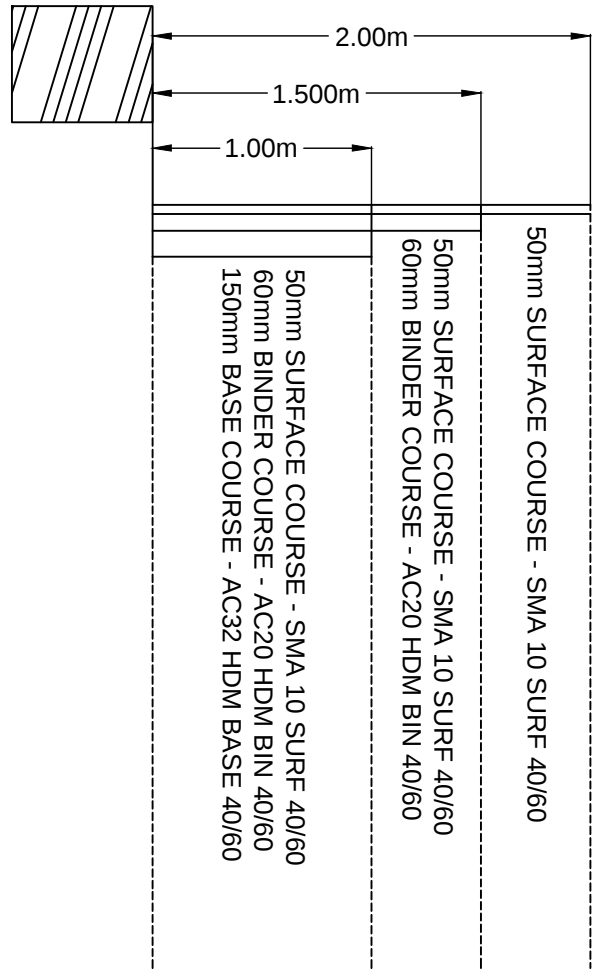
NARROW WIDENING CARRIAGEWAY CONSTRUCTION

50mm SURFACE COURSE - SMA 10 SURF 40/60
60mm BINDER COURSE - AC20 HDM BIN 40/60
BASE COURSE AND SUB BASE TO BE REPLACED
WITH ST4 CONCRETE

CARRIAGEWAY PLANE AND RESURFACE

PLANE EXISTING SURFACE COURSE; CLEAN OFF ALL
LOOSE MATERIAL, SPRAY WITH TACK COAT, AND LAY:
50mm SURFACE COURSE - SMA 10 SURF 40/60
REGULATING BINDER COURSE - AC20 HDM BIN 40/60

CARRIAGEWAY TIE-IN DETAIL



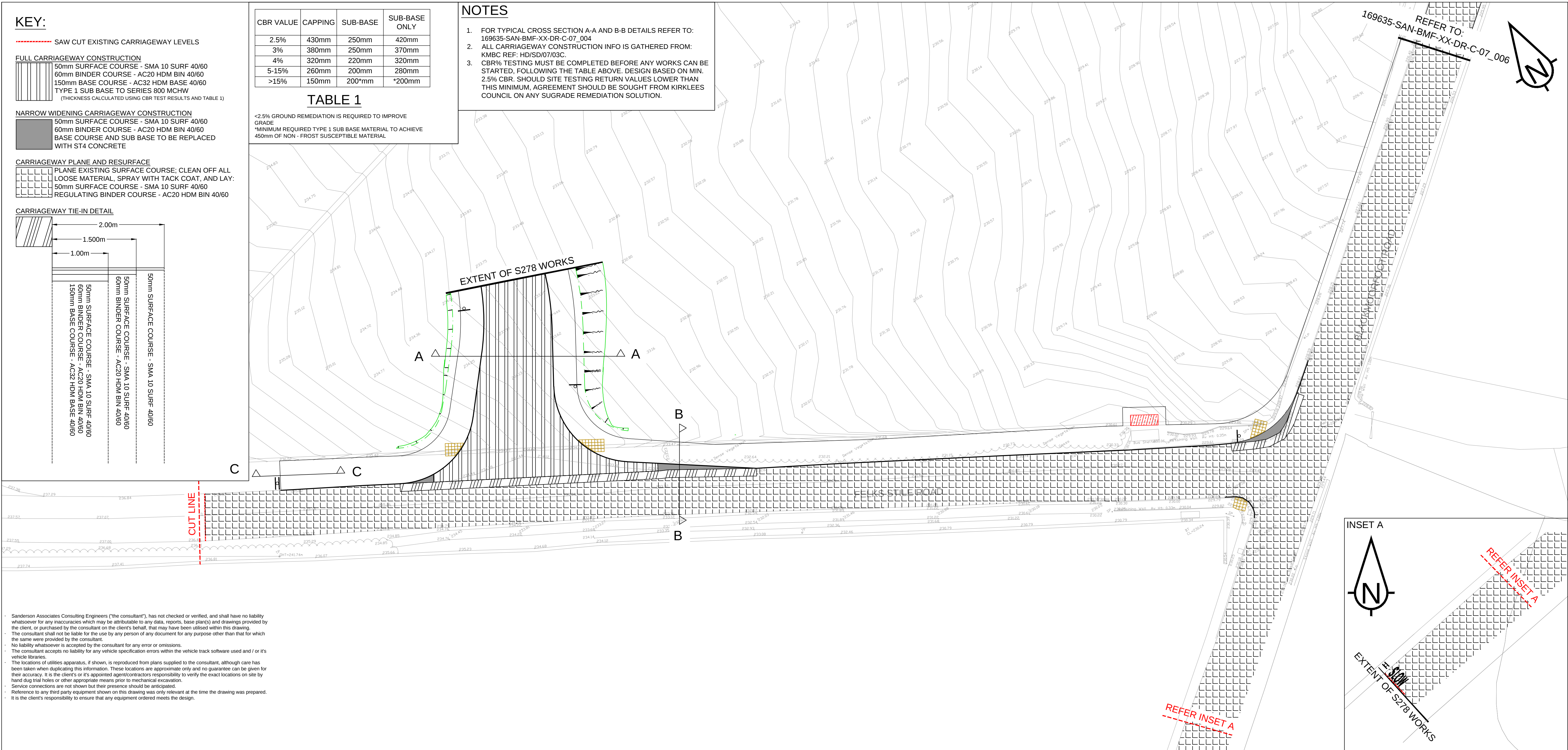
CBR VALUE	CAPPING	SUB-BASE	SUB-BASE ONLY
2.5%	430mm	250mm	420mm
3%	380mm	250mm	370mm
4%	320mm	220mm	320mm
5-15%	260mm	200mm	280mm
>15%	150mm	200*mm	*200mm

TABLE 1

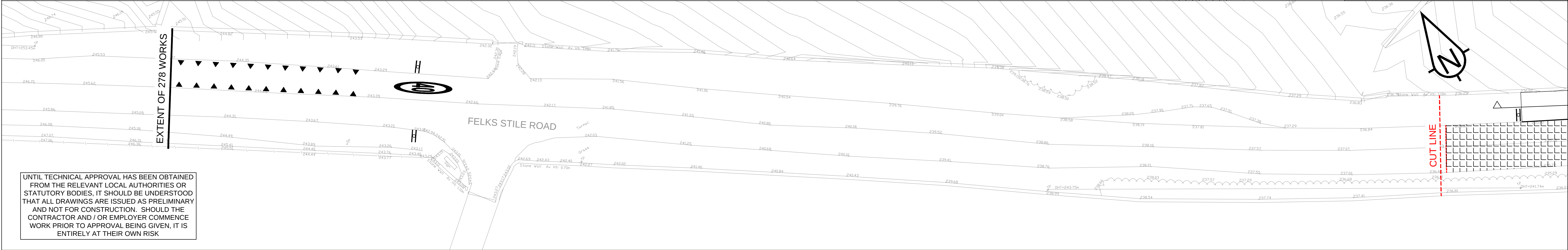
<2.5% GROUND REMEDIATION IS REQUIRED TO IMPROVE
GRADE
*MINIMUM REQUIRED TYPE 1 SUB BASE MATERIAL TO ACHIEVE
450mm OF NON - FROST SUSCEPTIBLE MATERIAL

NOTES

- FOR TYPICAL CROSS SECTION A-A AND B-B DETAILS REFER TO:
169635-SAN-BMF-XX-DR-C-07_004
- ALL CARRIAGEWAY CONSTRUCTION INFO IS GATHERED FROM:
KMBC REF: HD/SD/07/03C.
- CBR% TESTING MUST BE COMPLETED BEFORE ANY WORKS CAN BE
STARTED, FOLLOWING THE TABLE ABOVE. DESIGN BASED ON MIN.
2.5% CBR. SHOULD SITE TESTING RETURN VALUES LOWER THAN
THIS MINIMUM, AGREEMENT SHOULD BE SOUGHT FROM KIRKLEES
COUNCIL ON ANY SUGRADE REMEDIATION SOLUTION.



- Sanderson Associates Consulting Engineers ("the consultant"), has not checked or verified, and shall have no liability whatsoever for any inaccuracies which may be attributable to any data, reports, base plan(s) and drawings provided by the client, or purchased by the consultant on the client's behalf, that may have been utilised within this drawing.
- The consultant shall not be liable for the use by any person of any document for any purpose other than that for which the same were provided by the consultant.
- No liability whatsoever is accepted by the consultant for any error or omissions.
- The consultant accepts no liability for any vehicle specification errors within the vehicle track software used and / or its vehicle libraries.
- The locations of utilities apparatus, if shown, is reproduced from plans supplied to the consultant, although care has been taken when duplicating this information. These locations are approximate only and no guarantee can be given for their accuracy. It is the client's or it's appointed agent/contractors responsibility to verify the exact locations on site by hand dug trial holes or other appropriate means prior to mechanical excavation.
- Service connections are not shown but their presence should be anticipated.
- Reference to any third party equipment shown on this drawing was only relevant at the time the drawing was prepared.
- It is the client's responsibility to ensure that any equipment ordered meets the design.



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

sanderson
associates
consulting engineers

Highways | Traffic | Transportation | Water

T 01924 844080 mail@sandersonassociates.co.uk
www.sandersonassociates.co.uk

P05	BASE LAYOUT AMENDED FOLLOWING COMMENTS RECEIVED BY KMBC ON 11/05/2026	SS	16/07/2026	JLG
Rev	Amendment	Drawn	Date	Checked

P04	AMENDED FOLLOWING MEETING WITH MILLER HOMES ON 20/04/2026	SS	24/04/2026	JLG
P03	AMENDED FOLLOWING COUNCIL COMMENTS RECIEVED 16/03/2026	SS	15/04/2026	DB
P02	EXTENT OF RESURFACING AMENDED	SS	19/02/2026	DB
P01	FIRST ISSUE	SS	30/09/2025	TC
Rev	Amendment	Drawn	Date	Checked

S5 - FOR APPROVAL

MILLER HOMES

Project Title	SECTION 278 WORKS BLACKMOORFOOT	Scale	1:250	Drawing Size	A1	Drawn By	SS	Checked By	TC
Drawing Title	PROPOSED PAVEMENTS	Project Number	169635	Date	SEPT 25	Approved By	DB	Rev	P05
Drawing Number	169635-SAN-BMF-XX-DR-C-07_001								