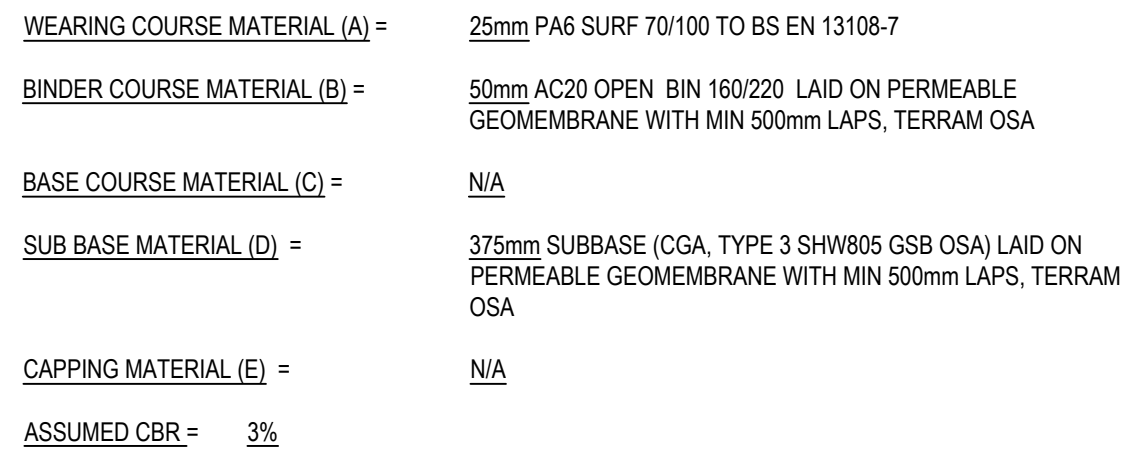


- PROPOSED RETAINING STRUCTURE
- BITUMEN OVERBANDING TAPE BETWEEN EXISTING & PROPOSED TARMACADAM SURFACING
- EDGING KERB
- UPSTAND KERB

1. TO BE READ IN ACCORDANCE WITH ARCHITECTS SPECIFICATIONS.
2. SETTING OUT: ALL TO ARCHITECTS DETAILS
3. CBR: SUBJECT TO CONFIRMATION OF CBR TESTS BY SITE INVESTIGATION SPECIALISTS AFTER SITE STRIP.
4. ALL MATERIALS WITHIN 400mm OF SURFACE LEVEL, TO BE NON-FROST SUSCEPTIBLE ENCOUNTERING A NOTIFY MAIL. REPLACEMENT FILL TO BE GRADE 6/2 OR F75 UNLESS AGREED OTHERWISE. DESIGNATED NON FROST SUSCEPTIBLE WITH MEAN HEAVE 15mm OR LESS. TESTED IN ACCORDANCE WITH BS 812-124 .
5. CONCRETE TO BE IN ACCORDANCE WITH BS 8500 (ALL PARTS).
6. FOR TRAFFIC CATEGORY DESIGNATIONS REFER TO BS7533-101 TABLE 2 a
7. GRANULAR SUBBASE AS SECTION 020 OF WML SPECIFICATION.

1. NON PERMEABLE BOUND & UNBOUND PAVEMENTS CONSTRUCTED WITH CLAY CONCRETE, NATURAL STONE OR MASONRY SHALL BE IN ACCORDANCE WITH BS 7533-1:2021. NON PERMEABLE BOUND PAVEMENTS CONSTRUCTED WITH ASPHALT CONCRETE, STONE MASTIC ASPHALT (SMA), ROLLED ASPHALT TO COMPLY WITH REQUIREMENTS OF BS-68487:2015-1:2017.
2. PERMEABLE BOUND & UNBOUND PAVEMENTS TO BE CONSTRUCTED WITH CLAY CONCRETE, NATURAL STONE, STONE PAVING UNITS TO BE IN ACCORDANCE WITH BS 7533-3:2009.
3. FOR AREAS DESIGNED AS PERMEABLE SURFACE TYPE A COEFFICIENT OF SUBGRADE PERMEABILITY REQUIRED TO BE BETWEEN 1x10-6 AND 1x10-3ms. PERMEABLE SURFACE COMBINATION SHALL BE USED TO PREVENT WATER LOGGED IF TRAFFICING OR FILLING HAS OCCURRED REASSESSMENT OF INFILTRATION RATE IS TO BE UNDERTAKEN PRIOR TO LAYING OF SUBGRADE TO CONFORM PERMEABLE.
4. ANY ADDITIONAL FILLING REQUIRED TO RAISE SURFACE LEVEL FOLLOWING SITE STRIP AS SECTION 020 OF WML SPECIFICATION.
5. PAVEMENTS CONSTRUCTED WITH SMA, AC & PRA AS SECTION 022 OF WML SPECIFICATION.
6. PAVEMENTS CONSTRUCTED WITH CLAY CONCRETE AND STONE PAVERS AS SECTION 024&025 OF WML SPECIFICATION.

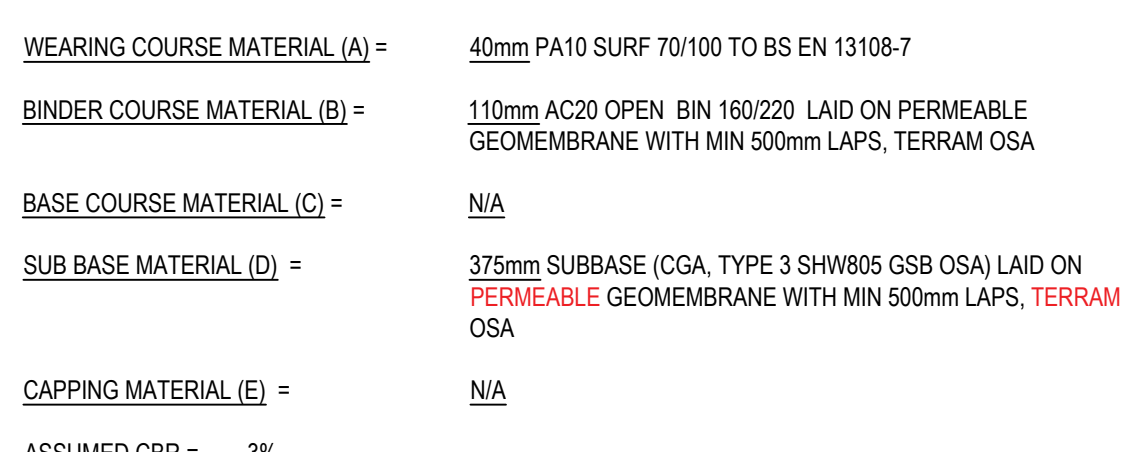
1. FOUNDATION DESIGN TO BS5733-10 SECTION 6
2. CUT LENGTHS OF KERB ARE TO BE CUT USING A DISC CUTTER. MIN LENGTH 450mm.
3. WHERE KERBING OVERRUNS ANY MOVEMENT JOINT THE KERBS SHOULD NOT SPAN THE JOINT SUCH THAT NEITHER THE JOINT NOR KERBING'S INTEGRITY AND/OR PERFORMANCE IS COMPROMISED.
4. IN THE CASE OF NEW CARRIAGEWAY CONSTRUCTION - THE SUB-BASE LAYER IS EXPOSED TO BE REINFORCED WITH THE KERB FOUNDATION. THE CONTRACTOR SHALL ALLOW FOR FILLING IN BETWEEN THE ROAD SUB-BASE LAYER AND THE FOOTWAY FORMATION WITH SUB-BASE MATERIAL IN THE RATE FOR KERBING.
5. KERBS Laid IN EXISTING CARRIAGEWAY FORMATION - RATE TO INCLUDE INFILL OVER BREAK IN FRONT OF KERB WITH CONCRETE TYPE ST1 TO BINDER COURSE FINISH.
6. REINSTATEMENT OF CARRIAGEWAY CHANNELS WILL BE MEASURED SEPARATELY.
7. KERBS BASES AND BASES TO LINEAR DRAINAGE SHOULD BE DESIGNED TO BE CONSTRUCTED USING ONE OF THE FOLLOWING METHODS:
 - A) BEDDED ON MORTAR ON TOP OF AN EDGE BEAM OF COMPACTED HARDENED CONCRETE;
 - B) SET AT A FACE OF FRESH CONCRETE; OR
 - C) SUITABLY AFFIXED TO AN EXISTING SURFACE LAYER
8. WHERE UNITS ARE TO BE Laid ON AN EXISTING SURFACE LAYER, THEY SHOULD BE BEDDED ON TO THE SURFACE OF AN EXISTING PROPRIETARY SYNTHETIC RESIN COMPOUND (ASPHALT) OR TYPE 35 MORTAR.



1. ALL WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS 594987:2015+A1:2017 & BS EN 7533-13 GENERALLY.
2. CBR: SUBJECT TO CONFIRMATION OF CBR TESTS BY SITE INVESTIGATION SPECIALISTS AFTER SITE STRIP.
3. ADDITIONAL FILLING REQUIRED TO RAISE SURFACE LEVEL FOLLOWING SITE STRIP TO BE IN ACCORDANCE WITH D20 (SHW 805 TYPE 3 GSB).

WEARING COURSE MATERIAL (A) =	25mm PAF SURF 70100 TO BS EN 13108-7
BINDER COURSE MATERIAL (B) =	50mm AC20 OPEN BIN 160222 LAID ON PERMEABLE GEOMEMBRANE WITH MIN 500mm LAPS, TERRAM OSA
BASE COURSE MATERIAL (C) =	N/A
SUB BASE MATERIAL (D) =	375mm SUBBASE (CGA, TYPE 3 SHW05 GSB OSA) LAID ON PERMEABLE GEOMEMBRANE WITH MIN 500mm LAPS, TERRAM OSA
CAPPING MATERIAL (E) =	N/A
ASSUMED CBR =	3%

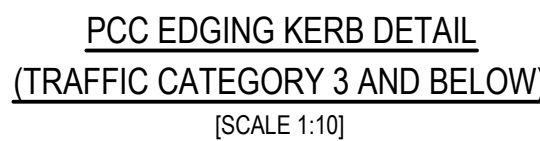
PEDESTRIAN ONLY AREAS - PERMEABLE ASPHALT CONCRETE
(TRAFFIC CATEGORY 1)
[SCALE 1:10]



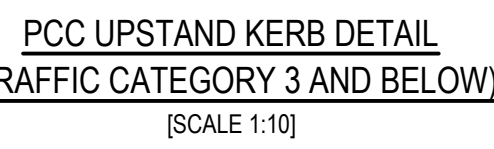
1. ALL WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS 594987:2015+A1:2017 & BS EN 7533-13 GENERALLY.
2. CBR: SUBJECT TO CONFIRMATION OF CBR TESTS BY SITE INVESTIGATION SPECIALISTS AFTER SITE STRIP.
3. ADDITIONAL FILLING REQUIRED TO RAISE SURFACE LEVEL FOLLOWING SITE STRIP TO BE IN ACCORDANCE WITH D20 (SHW 805 TYPE 3 GSB).

WEARING COURSE MATERIAL (A) =	40mm PA10 SURF 70/100 to BS EN 13108-7
BINDER COURSE MATERIAL (B) =	110mm AC20 OPEN BR 160/220 LAID ON PERMEABLE GEOMEMBRANE WITH MIN 500mm LAPS, TERRAM OSA
BASE COURSE MATERIAL (C) =	N/A
SUB BASE MATERIAL (D) =	375mm SUBBASE (CGA, TYPE 3 SHW80/5 GSB OSA) LAID ON PERMEABLE GEOMEMBRANE WITH MIN 500mm LAPS, TERRAM OSA
CAPPING MATERIAL (E) =	N/A
ASSUMED CBR =	3%

URBAN FOOTWAYS, LIGHT USE CAR PARKING , EMERGENCY & MAINTENANCE
VEHICLES - PERMEABLE ASPHALT CONCRETE (TRAFFIC CATEGORY 4)
(SCALE 1:10)



HALF BATTERED PCC KERB TO BS EN 1340, LAID ON 25mm SITE
BATCHED MORTAR BEDDING OSA
(1:4 PORTLAND CEMENT - AGGREGATE TO BS EN 197-1), MORTAR
BED CAN BE DISPENSED WITH IF KERBS LAID DIRECTLY ON
FRESHLY LAID CONCRETE FOUNDATION



UPSTAND KERB DETAIL
CATEGORY 3 AND BELOW
(SCALE 1:10)

TENDER ISSUE

T01	TENDER ISSUE.					24.01.25	DB	JH	
Rev.		Amendment				Date	By	Child	
Project MANCHESTER COMMUNICATION ACADEMY, YEAR 7 ARCHITECT LANCASTER MALONEY MARTIN LTD. Title PROPOSED EXTERNAL WORKS GA & DETAILS									
WML Job No.	Drawn	DB	Checked	JH	Date	MARCH 24	Scale	1:150 @ A0	
11258									
WML CONSULTING Civil, Structural & Geotechnical Engineers						Third Floor Dux Metropolitan House Storrs Road Cheshire Oaks M20 9AZ Tel : 0161 482 0000 Fax : 0161 488 5510 e-mail info@bertramconsulting.com www.bertramconsulting.com			
Drawing No.									
Project	Originator	Volume	Level	Type	Role	Number	Revis		
11258	- WML - Y7	- XX	- DR	- C	-	C - 2015	Rev	1	