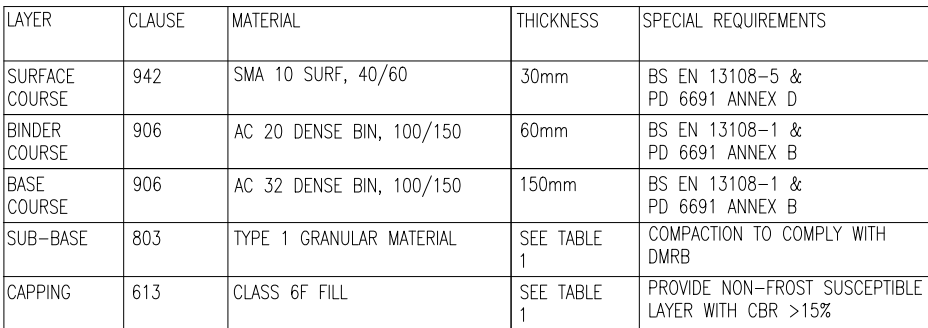
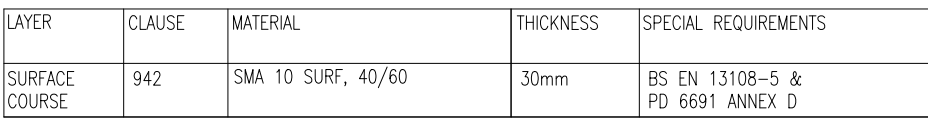
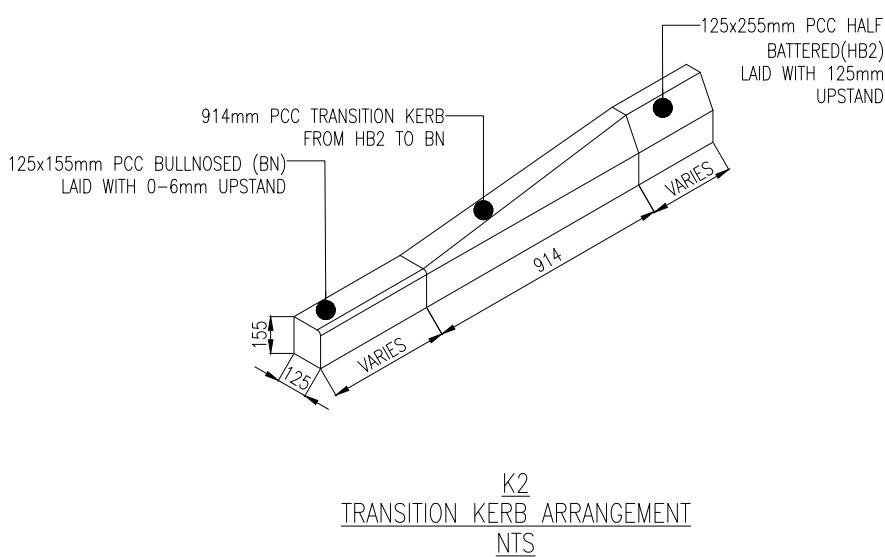
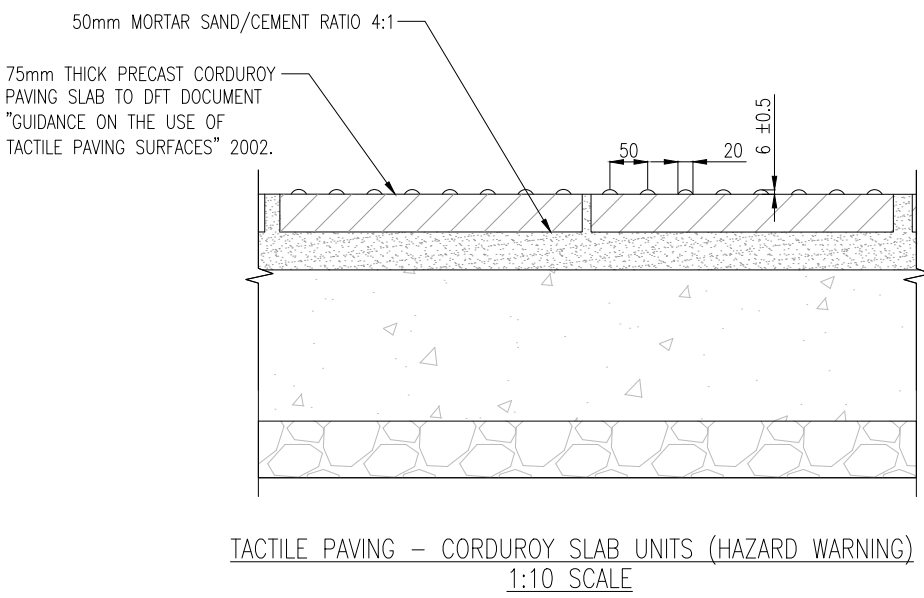
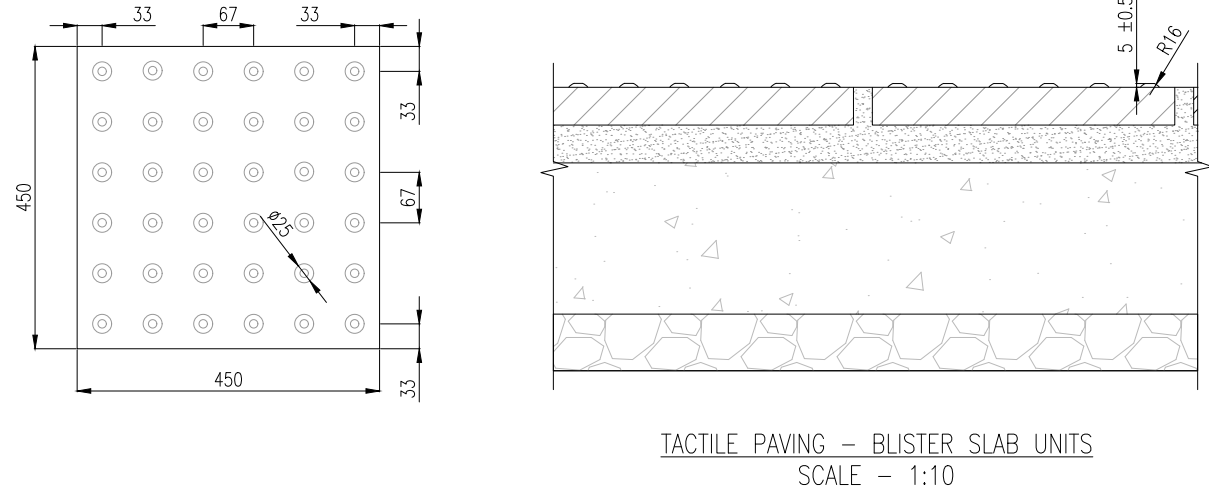


5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT SCHEME DRAWINGS.
3. REFER TO WSP DRAWING Z0-WSP-G700-PL--XX-0700 FOR THE LOCATIONS AND EXTENTS OF EACH BUILD UP.
4. REFER TO THE ENGINEER'S EXTERNAL WORKS LAYOUTS FOR SITE SPECIFIC DETAILS OF KERBING AND SURFACING
5. REFERENCE SHOULD BE MADE TO THE RELEVANT MANCHESTER CITY COUNCIL STANDARD DETAIL .
6. REFERENCES TO CLAUSE NUMBERS REFER TO THE SPECIFICATION FOR HIGHWAY WORKS UNLESS NOTED OTHERWISE.
7. KERBS
 - 7.1. KERBS TO BE BUTT JOINED. WHERE KERB ALIGNMENTS INCUR MINOR OPEN JOINT TAPERS IN EXCESS OF 5mm BETWEEN FORMED SURFACES, MORTAR JOINTING SHALL BE USED.
 - 7.2. ALL FULL LENGTH PCC KERBS ARE TO BE MECHANICALLY HANDLED
 - 7.3. ALL PRECAST KERBS, CHANNELS AND EDGINGS SHALL BE TO BS EN 1340 AND LAID TO BS 7533-6
 - 7.4. ALL SETTS OF NATURAL STONE SHALL BE TO BS EN 1342 AND LAID TO BS 7533-7
 - 7.5. ALL KERBS, CHANNELS AND EDGINGS BED & BACKING SHALL BE ST2 CONCRETE WELL COMPACTED. UNLESS OTHERWISE STATED, THIS SHALL BE A MINIMUM BED THICKNESS OF 150mm FOR KERBS AND CHANNELS, 100mm FOR EDGINGS
 - 7.6. THE MINIMUM CUT OF ANY LENGTH OF KERB SHALL BE 450mm (HALF-KERB)
 - 7.7. THE CORRECT RADIUS SHALL BE USED FOR ALL RADI OF 12m OR LESS. FOR RADI BETWEEN 12m AND 20m 600mm LONG UNITS SHALL BE USED. RADIUS KERBS SHALL BE USED TO FORM CORNERS OF LAYBYS
 - 7.8. THE CORRECT TRANSITION SHALL BE USED FOR ALL DROP KERBS AND UPSTAND VARIATION LOCATIONS.
 - 7.9. THE CORRECT QUADRANT KERBS SHALL BE USED TO FORM CORNERS OF SQUARE AREAS AND REFUGE ISLANDS. CUT QUADRANTS ARE PERMISSIBLE.
 - 7.10. DROP KERBS SHALL BE 0-6mm FOR PEDESTRIAN CROSSINGS, 25mm FOR VEHICULAR CROSSINGS.
 - 7.11. KERBS SHALL BE LAID ON BEDDING WHILST CONCRETE IS STILL "GREEN". WHERE THE BEDDING CONCRETE HAS CURED PRIOR TO INSTALLING THE FINISHED KERBING, 20mm NOMINAL THICKNESS CEMENT MORTAR BED DESIGNATION (I) SHALL BE USED. N.B. THE MINIMUM BEDDING THICKNESS OF 150mm SHALL BE MAINTAINED AND ALLOWED FOR.
 - 7.12. IN THE ABSENCE OF FURTHER SPECIFICATION PROVIDED BY THE ENGINEER, CONCRETE FOR BEDDING AND HAUNCHES SHALL FOLLOW THE REQUIREMENTS OF CI.2602 OF THE SPECIFICATION FOR HIGHWAY WORKS.
8. TACTILE PAVING
 - 8.1. TACTILE PAVING SHALL BE COLOURED RED AT CONTROLLED CROSSING POINTS, BUFF AT UNCONTROLLED CROSSINGS UNLESS SPECIFIED OTHERWISE.
 - 8.2. MORTAR FOR TACTILE PAVING BE AS PER THAT SPECIFIED FOR BLOCK PAVING. CHLORIDE ION CONTENT OF MORTAR SHALL BE IN ACCORDANCE WITH BS EN 1744-1 AND SHALL NOT EXCEED 0.3% MASS OF CEMENT (0.2% FOR SULPHATE RESISTANT CEMENT, CALCIUM CHLORIDE IS NOT ACCEPTABLE).
9. ASPHALT SURFACING
 - 9.2. VARIATIONS ON SUB-BASE, TRAFFICKING CONCERNS OR TYPE OF SUBSOIL AT FORMATION MAY IMPACT UPON THE DESIGN. ANY CONCERNS OR QUERIES SHOULD BE RAISED TO THE ENGINEER FOR CLARIFICATION
 - 9.3. NO FORST-SUSCEPTIBLE MATERIALS TO BE USED WITHIN 450mm OF THE FINISHED SURFACE UNLESS EXPRESSLY REQUIRED BY THE ENGINEER.
 - 9.4. ASPHALTIC CONCRETE MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT SECTION WITHIN BS EN 13108 PARTS 1-21, WITH ADDITIONAL GUIDANCE PROVIDED WITHIN PD 6691.
 - 9.5. INSTALLATION OF ASPHALTIC SURFACES TO BE IN ACCORDANCE WITH BS 594987
 - 9.6. APPLICATION OF BOND COATS SHALL BE APPLIED IN COMPLIANCE WITH BS 594987 CI.5.5 AND APPLIED AT A UNIFORM RATE OF SPREAD. TACK COATS SHALL NOT BE ACCEPTED, UNLESS AGREED IN ADVANCE WITH THE ENGINEER.
 - 9.7. COLD SURFACES OF ASPHALT AT TIE-INS TO BE CLEANED PRIOR TO APPLICATION OF BOND COAT TO ENSURE ADEQUATE COHESION OF NEW MATERIALS

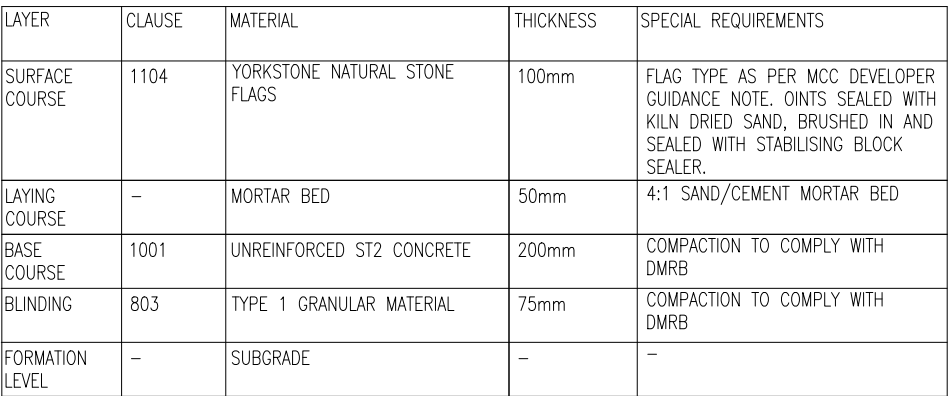
SUB-GRADE (CBR)	CAPPING + SUB-BASE (MM)	SUB-BASE ONLY (MM)
<2%	SUB GRADE IMPROVEMENT REQUIRED	
2%	600 + 150	—
2.5%	400 + 150	—
3%	350 + 150	300
4%	300 + 150	275
5%	250 + 150	225
8%	225 + 150	200
10%	175 + 150	175
15%+	—	150

6. CBR TESTING TO BE TAKEN AT SUB FORMATION LEVEL.



SCALE - 1:10

TACTILE PAVING					
LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
TACTILE PAVING BLOCK	—	PRECAST CONCRETE	—	75mm	BUFF COLOUR 450mm x 450mm
LAYING COURSE	—	MORTAR BED	—	50mm	SAND/CEMENT MORTAR BED RATIO 4:1
BASE COURSE	1001	UNREINFORCED ST2 CONCRETE	—	200mm	COMPACTION TO COMPLY WITH DMRB
SUB BASE	803	TYPE 1 GRANULAR MATERIAL	—	75mm	COMPACTION TO COMPLY WITH DMRB



LAYER	CLAUSE	MATERIAL	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	1104	YORKSTONE NATURAL STONE FLAQS	100mm	FLAG TYPE AS PER MOC DEVELOPER GUIDANCE NOTE: Joints SEALED WITH KILN DRIED SAND, BRUSHED IN AND SEALED WITH STABILISING BLOCK SEALER.
LAYING COURSE	-	MORTAR BED	50mm	4:1 SAND/CEMENT MORTAR BED
BASE COURSE	1001	UNREINFORCED ST2 CONCRETE	200mm	COMPACTION TO COMPLY WITH DMBB
BUILDING	803	TYPE 1 GRANULAR MATERIAL	75mm	COMPACTION TO COMPLY WITH DMBB
FORMATION LEVEL	-	SUBGRADE	-	-

