

DRAWING BASED ON:

SURVEY INFORMATION

- 60159-1 TOPOGRAPHICAL SURVEY BY MALCOLM HUGHES DATED MAY 2023
- TOPOGRAPHICAL SURVEY BY SEP S15724-T
- 60159-UG1 & UG2 GPR SURVEY BY MALCOLM HUGHES DATED MAY 2023

HIGHWAY BOUNDARY INFORMATION

- FORMATION RECEIVED FROM MANCHESTER CC HIGHWAYS MAY 2023

ARCHITECTS PLANS

- SPS-SHA-ZZ-L00-DR-A-03-1001 REV P06 GA GROUND FLOOR
- SPS-SHA-ZZ-L01-DR-A-03-1001 REV P06 GA FIRST FLOOR

PROPOSED SERVICES

- SPS-AME-ZZ-ZZ-DR-X-60-0001 P04 INCOMING HV SUPPLY
- SPS-AME-ZZ-ZZ-DR-X-60-0002 P02 INCOMING LV SUPPLY - GROUND FLOOR LV MAINS & LV SWITCHROOM INSTALLATION
- SPS-AME-ZZ-ZZ-DR-X-54-0001 P03 INCOMING WATER SUPPLY

FOR LOCATIONS OF PAVING TYPES REFER TO DRAWING
SPS-CUR-ZZ-ZZ-DR-C-19-1700

GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL WORKS AND MATERIALS TO BE IN ACCORDANCE WITH CURRENT BRITISH STANDARDS AND BUILDING REGULATIONS.
- THE LANDSCAPE ARCHITECT'S DRAWING HAS BEEN USED AS A BASE FOR THIS PLAN. PLEASE REFER TO THE LATEST LANDSCAPING LAYOUT.
- REFER TO LANDSCAPE ARCHITECT'S SPECIFICATION FOR SURFACE FINISHES.
- WHERE PERMEABLE FINISHES AND/OR PERMEABLE BEDDING IS SPECIFIED, CONSIDERATION IS REQUIRED TO CONFIRM WHETHER SUB-SURFACE DRAINAGE IS REQUIRED.
- ALL SUB-BASES AND CAPPING LAYERS TO BE GRADED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SFHW).
- ALL PAVEMENT CONSTRUCTIONS ARE BASED ON AN ASSUMED CBR VALUE OF 5%. TO BE CONFIRMED BY INSITU TESTING AT FORMATION.
- IT IS RECOMMENDED THAT CBR TESTS ARE CARRIED OUT TO CONFIRM AND SUB-BASE ADJUSTED IN ACCORDANCE WITH THE CAPPING AND SUB-BASE THICKNESS TABLE.
- CBR TEST PROCEDURE IS DETAILED WITHIN DMRB IAN73/06 AND BS 1377-4.
- MEASURED CBR VALUE TO BE AT FORMATION LEVEL AND TO BE A 'SOAKED' CONDITION.
- ANY VARIATIONS IN GROUND CONDITIONS SHOULD BE NOTIFIED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONSTRUCTION DEPTHS GIVEN ARE THE MINIMUM REQUIRED (COMPACTED).
- THE CONSTRUCTION DEPTHS GIVEN ASSUME FORMATION IS NON-FROST SUSCEPTIBLE.
- WHERE FORMATION IS FROST SUSCEPTIBLE PROVIDE CAPPING MATERIAL TO GIVE A MINIMUM 450mm OVERALL CONSTRUCTION THICKNESS.
- THE CONSTRUCTIONS GIVEN ARE FOR PRIVATE AREAS ONLY AND NOT FOR ADOPTABLE AREAS.
- IN AREAS WHERE LEVELS ARE TO BE RAISED, ACCEPTABLE FILL MATERIAL IS TO BE USED TO THE UNDERSIDE OF THE PROPOSED CONSTRUCTION MAKE UP.
- NO REGULATING OR FILL MATERIAL HAS BEEN INCLUDED IN CONSTRUCTION BUILD UP. CONTRACTOR TO INCLUDE FOR REGULATING/FILL MATERIAL IN THEIR RATES.
- IN AREAS WHERE LEVELS ARE TO BE LOWERED, EXISTING CONSTRUCTION IS TO BE REMOVED (FULL DEPTH).
- CONSTRUCTION OF CONCRETE SURFACES SUBJECT TO CASTING IN APPROPRIATE BAY SIZES / LENGTHS.
- CONTRACTOR TO ALLOW FOR CONTRACTION JOINTING WITHIN CONCRETE AREAS.
- LAYING COURSE TO BE NATURALLY OCCURRING SAND OR MORTAR IN ACCORDANCE WITH BS7533 REQUIREMENTS.
- CBM1 TO BE TO BS7533 REQUIREMENTS.
- TYPE 1 SUB-BASE IN ACCORDANCE WITH SFHW.
- CAPPING MATERIAL TO BE 6F1, 6F2 OR 6F5 MATERIAL IN ACCORDANCE WITH SFHW 600 SERIES.
- FIRE TENDER ROUTE TO BE CONFIRMED.
- MAINTENANCE VEHICLE ROUTE TO BE CONFIRMED.

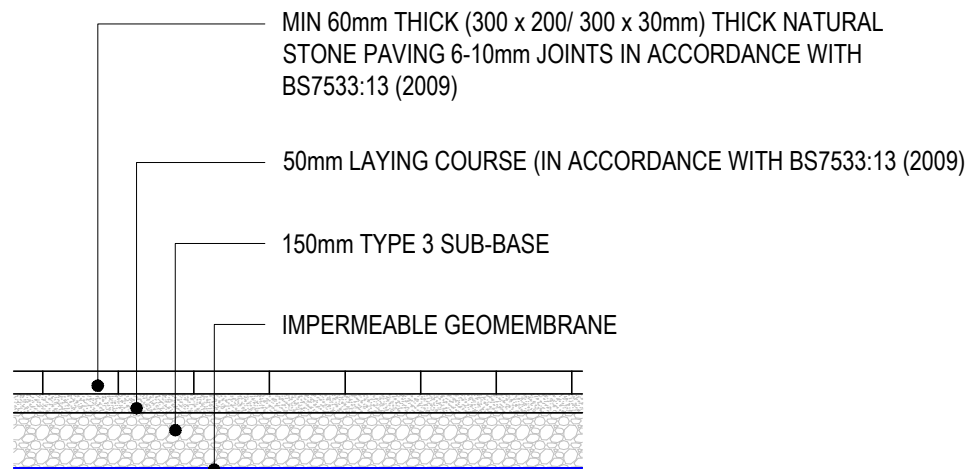
P02	PRELIMINARY STAGE 4 ISSUE	12/12/25	ATL	MW
P01	ISSUED FOR STAGE 2	14/07/23	ATL	HS
Rev:	Description:	Date:	By:	Chkd:

Curtins

Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 235 2384
manchester@curtins.com
www.curtins.com

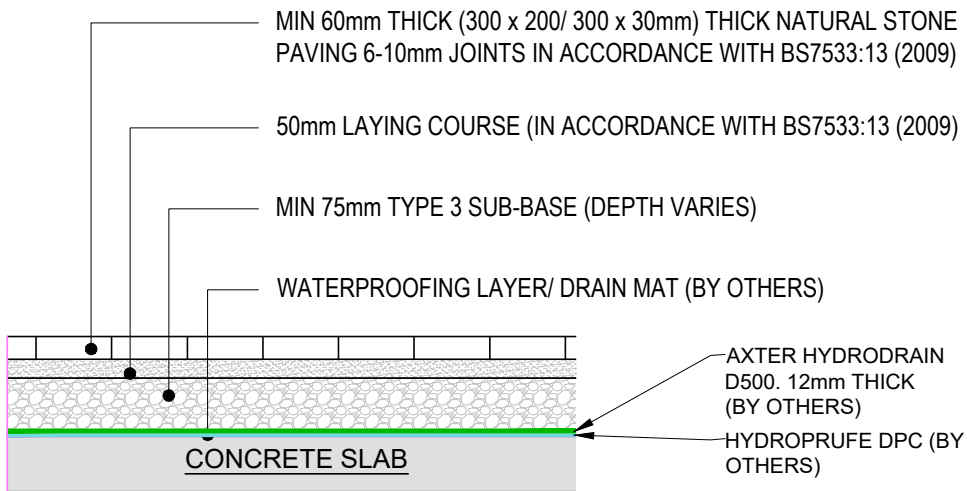
Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Leeds • Liverpool • London • Manchester • Nottingham

Status:	STAGE 4		
Project:	SPARKLE STREET, MANCHESTER		
Orig Title:	EXTERNAL WORKS BUILD-UP DETAILS		
Drawn By	Designed By	Checked By	
ATL	ATL	CG	
Date	07/07/23	Scales @ A1 1:200	
Project No • Originator • Function • Spatial • Form • Discipline • Number			Revision
SPS - CUR - ZZ - ZZ - DR - C - 19-4710			P02



PAVING TYPE P01A
NATURAL STONE PAVING (LA TYPE-1 P3)
(PODIUM LEVEL - OFF SLAB, PERMEABLE)

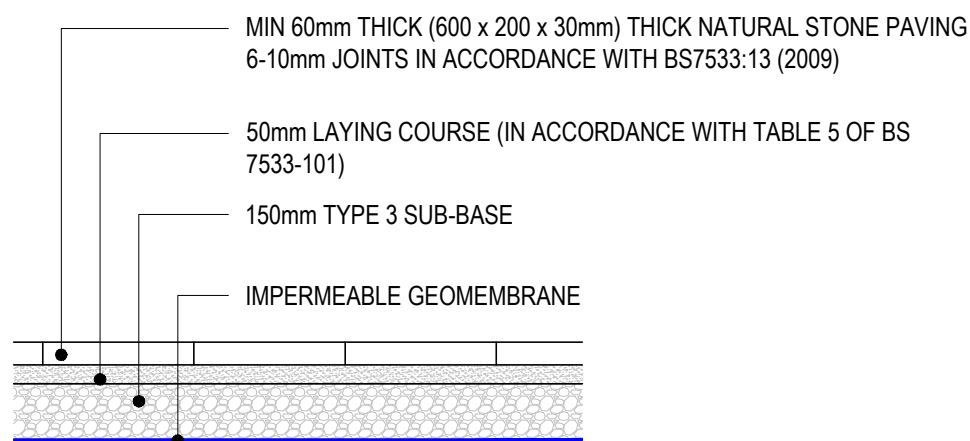
BASED ON CIRIA C753 - PEDESTRIAN ONLY
FOOTWAY (CATEGORY 2)



PAVING TYPE P01A
NATURAL STONE PAVING (LA TYPE-1 P3)
(PODIUM LEVEL - OFF SLAB, PERMEABLE)

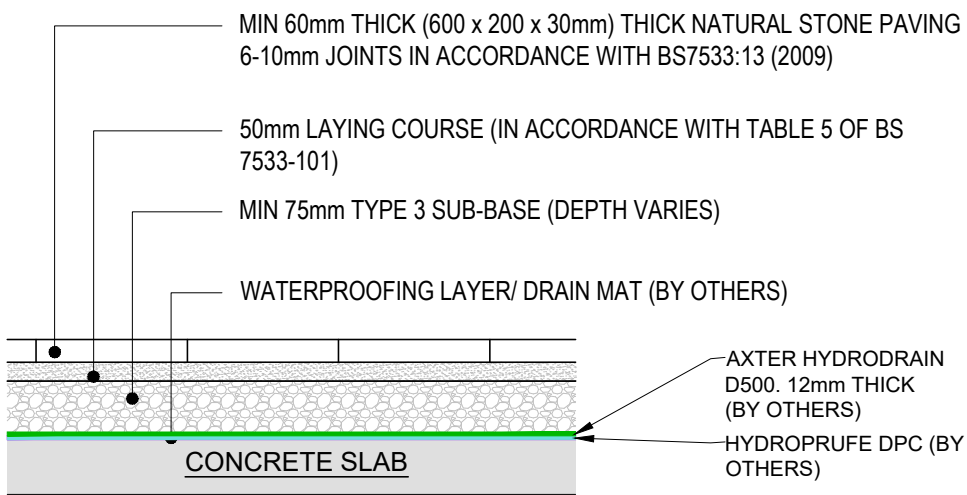
BASED ON CIRIA C753 - PEDESTRIAN ONLY
FOOTWAY (CATEGORY 2)

PAVING TYPES P01/ P02
LA SPECIFIED PAVERS SHOWN 30mm THICK.
HOWEVER, THE REQUIREMENTS OF CIRIA C753 NOTE
THAT PAVERS SHOULD BE MIN 60mm THICK.
LA TO PROVIDE CONFIRMATION FROM SUPPLIER THAT
THE PAVERS HAVE SUFFICIENT STRENGTH FOR THE
PROPOSED LOADING.



PAVING TYPE P02A
NATURAL STONE PAVING (LA TYPE-2 P4)
(PODIUM LEVEL - OFF SLAB, PERMEABLE)

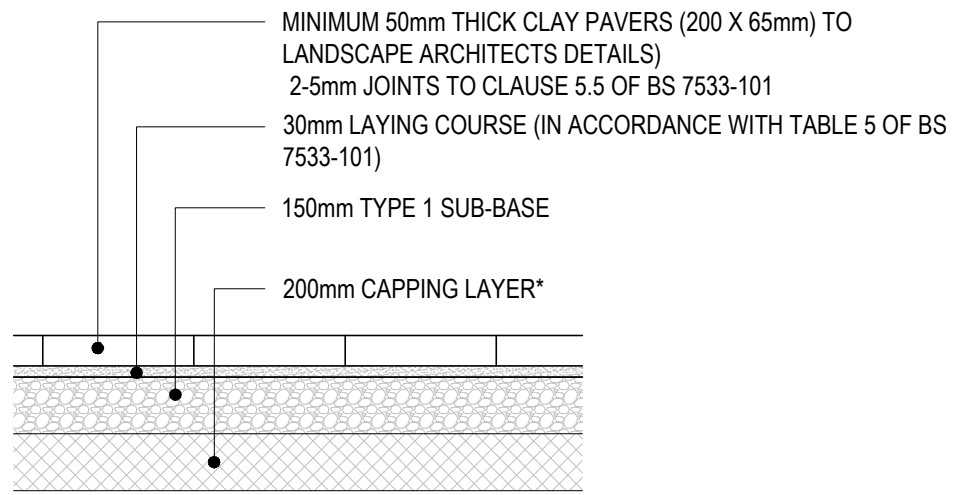
BASED ON CIRIA C753 - PEDESTRIAN ONLY
FOOTWAY (CATEGORY 2)



PAVING TYPE P02A
NATURAL STONE PAVING (LA TYPE-2 P4)
(PODIUM LEVEL - OFF SLAB, PERMEABLE)

BASED ON CIRIA C753 - PEDESTRIAN ONLY
FOOTWAY (CATEGORY 2)

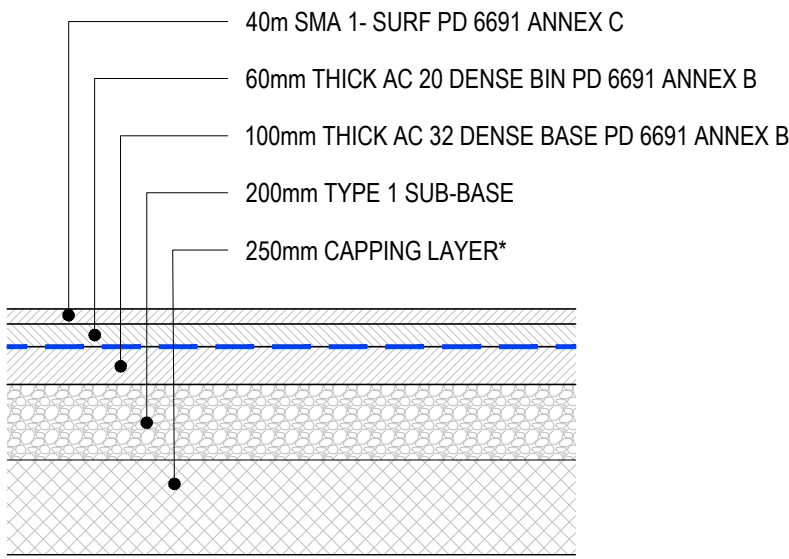
FOR LOCATION & DETAILS
PAVING TYPE 03, REFER TO
THE S278 DRAWING PACK



PAVING TYPE P05
BLOCK PAVING IN PRIVATE TERRACES (LA TYPE P2)
(GROUND FLOOR - IMPERMEABLE)

BASED ON BS7533-101 - PEDESTRIAN ONLY
FOOTWAY (CATEGORY 1)

*SUB-BASE/ CAPPING COULD BE REPLACED WITH SINGLE 200mm THICK
SUB-BASE LAYER.



PAVING TYPE P05
ASPHALT MAINTENANCE ACCESS (LA TYPE P10)
(GROUND FLOOR - IMPERMEABLE)

FOUNDATION BASED ON CD225 - ASSUMED CBR 5%
PAVEMENT BASED ON 'ASPHALT APPLICATIONS 2' BY MINERAL
PRODUCTS ASSOCIATION - MEDIUM WEIGHT VEHICLES

*SUB-BASE/ CAPPING COULD BE REPLACED WITH SINGLE 270mm THICK SUB-BASE LAYER.