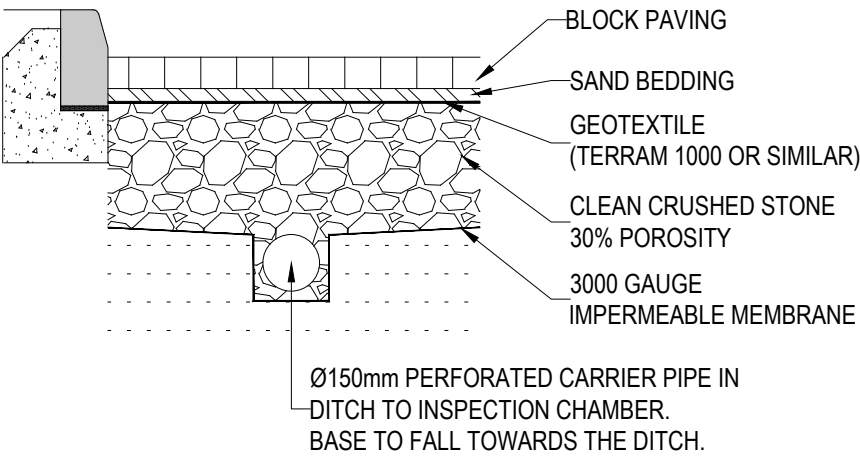
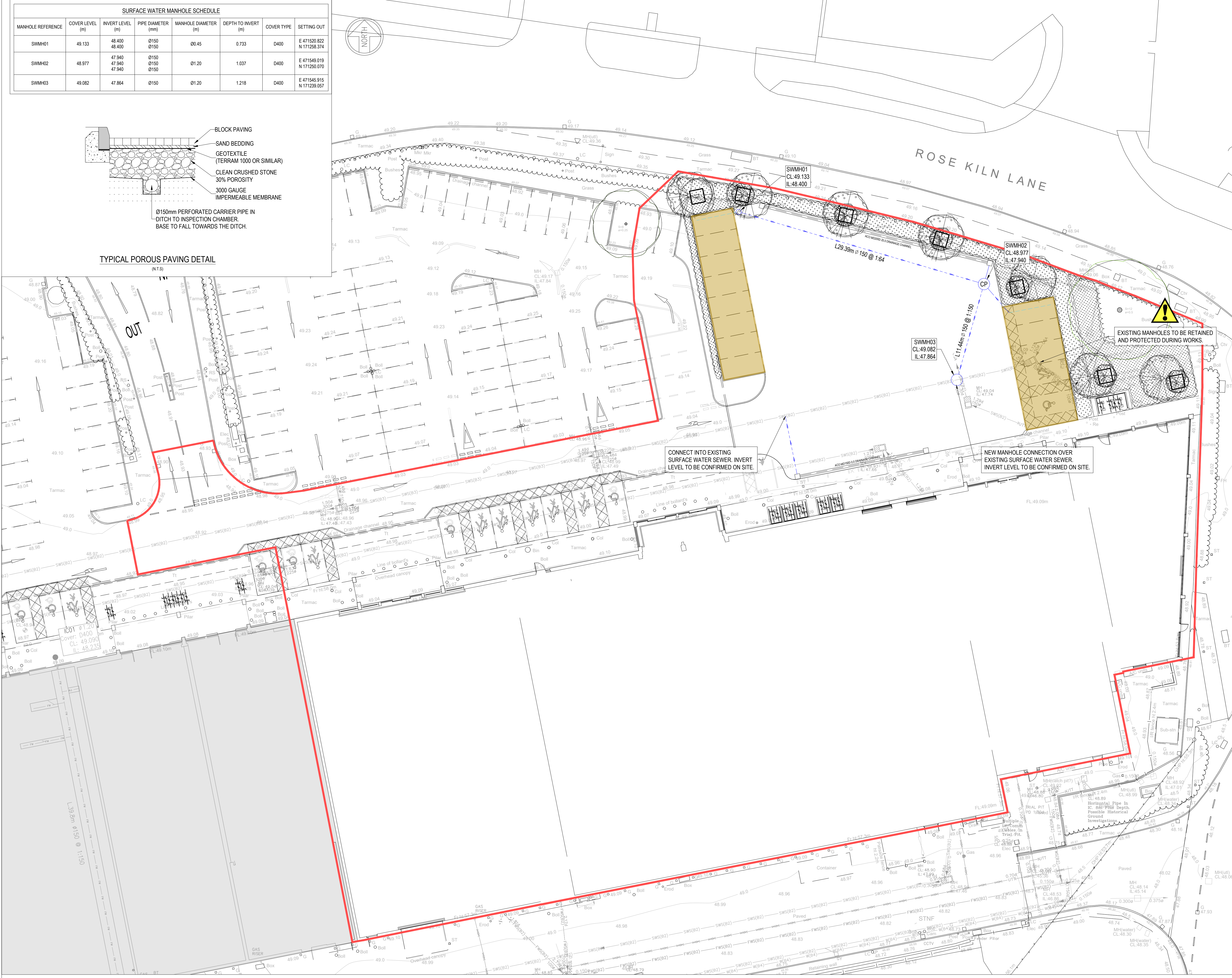


SURFACE WATER MANHOLE SCHEDULE						
MANHOLE REFERENCE	COVER LEVEL (m)	INVERT LEVEL (m)	PIPE DIAMETER (mm)	MANHOLE DIAMETER (m)	DEPTH TO INVERT	COVER TYPE
SWMH01	49.133	48.400	Ø150	Ø0.45	0.733	D400
SWMH02	48.977	47.940	Ø150	Ø1.20	1.037	D400
SWMH03	49.082	47.864	Ø150	Ø1.20	1.218	D400



TYPICAL POROUS PAVING DETAIL



- NOTES:
- THE CONTRACTOR IS ADVISED TO CHECK THE ACCURACY OF DRAWING INFORMATION TO ACTUAL ON-SITE CONDITIONS, I.E. THE LOCATION, LEVELS, SIZES, CONDITION OF EXISTING SEWERS TO BE RE-USED AND/OR CONNECTED INTO.
 - CONTRACTOR SHOULD INSTALL FINAL DRAINAGE CONNECTION PRIOR TO INSTALLING ANY UPSTREAM DRAINAGE TO AVOID POTENTIAL LEVEL ISSUES.
 - REPORT CONFLICTS TO ENGINEER IMMEDIATELY.
 - THE CONTRACTOR IS ADVISED TO CARRY OUT OWN INVESTIGATIONS TO ENSURE THERE ARE NO CLASHES WITH THE PROPOSED WORKS.
 - CONTRACTOR IS RESPONSIBLE FOR PROTECTING RETAINED SERVICES AND MAKING CONTACT WITH OWNERS OF APPARATUS TO OBTAIN NECESSARY CONSENT FOR EXCAVATION, PROTECTION AND/OR DIVERTING.
 - BURIED OBSTRUCTIONS ENCOUNTERED DURING EXCAVATION THAT CONFLICT WITH PROPOSED WORKS SHOULD BE BROKEN OUT AND REMOVED. RESIDUAL VOIDS TO BE BACKFILLED AND COMPACTED AS PER SPECIFICATION.
 - SURFACE WATER NETWORK ANALYSIS BASED ON FSR METHOD. SIZING THE DRAINAGE COMPONENTS FOR 1 IN 30 YEARS WITHOUT FLOODING AND ANALYSIS FOR 1 IN 100 YEARS + 40% CC.
 - THIS DRAWING IS BASED ON:
 - SITE PLAN: 'MOUNTFORD PIGOTT' DWG NO.: 2418-P01-D.
 - TOPOGRAPHICAL SURVEY: 'STAFSURV', DWG 11144.
 - SURFACE WATER FLOW FROM THE CAR PARK AREA IS COLLECTED VIA PERMEABLE PAVING AND CHANNEL DRAINS. PERMEABLE PAVING HAS BEEN PROPOSED FOR COLLECTION OF SURFACE WATER IN PARKING BAYS ASSOCIATED WITH THE PROPOSED CAR PARK.
 - ALL PIPES WITH DIAMETERS NOT SHOWN ARE NOMINAL 150mm DIA.

LEGEND

- APPLICATION BOUNDARY
- PROPOSED SW PIPE
- PROPOSED SW PERFORATED PIPE
- 0.45 PROPOSED SW INSPECTION CHAMBER
- 1.20 PROPOSED SW MANHOLE
- 1.20 CP PROPOSED SW CATCHPIT MANHOLE
- LINEAR DRAINAGE CHANNEL
- POROUS PAVING
- EXISTING SURFACE WATER SEWER

P01	PRELIMINARY ISSUE	20/11/23
Rev	Description	Date
Drawing Status:		Suitability:
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Client:	MAYFAIR CAPITAL		
Architect:	MOUNTFORD PIGOTT		
Project:	BRUNEL RETAIL PARK		
Title:	DRAINAGE LAYOUT WITHIN THE RED BOUNDARY		
HDR Project Number: 10373403			
Cad File Name: BRN-HDR-XX-XX-DR-C-102301			
Drawn: BS	Chkd/Appd: SM	Date: 11/23	Scale @ A1: 1:200
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