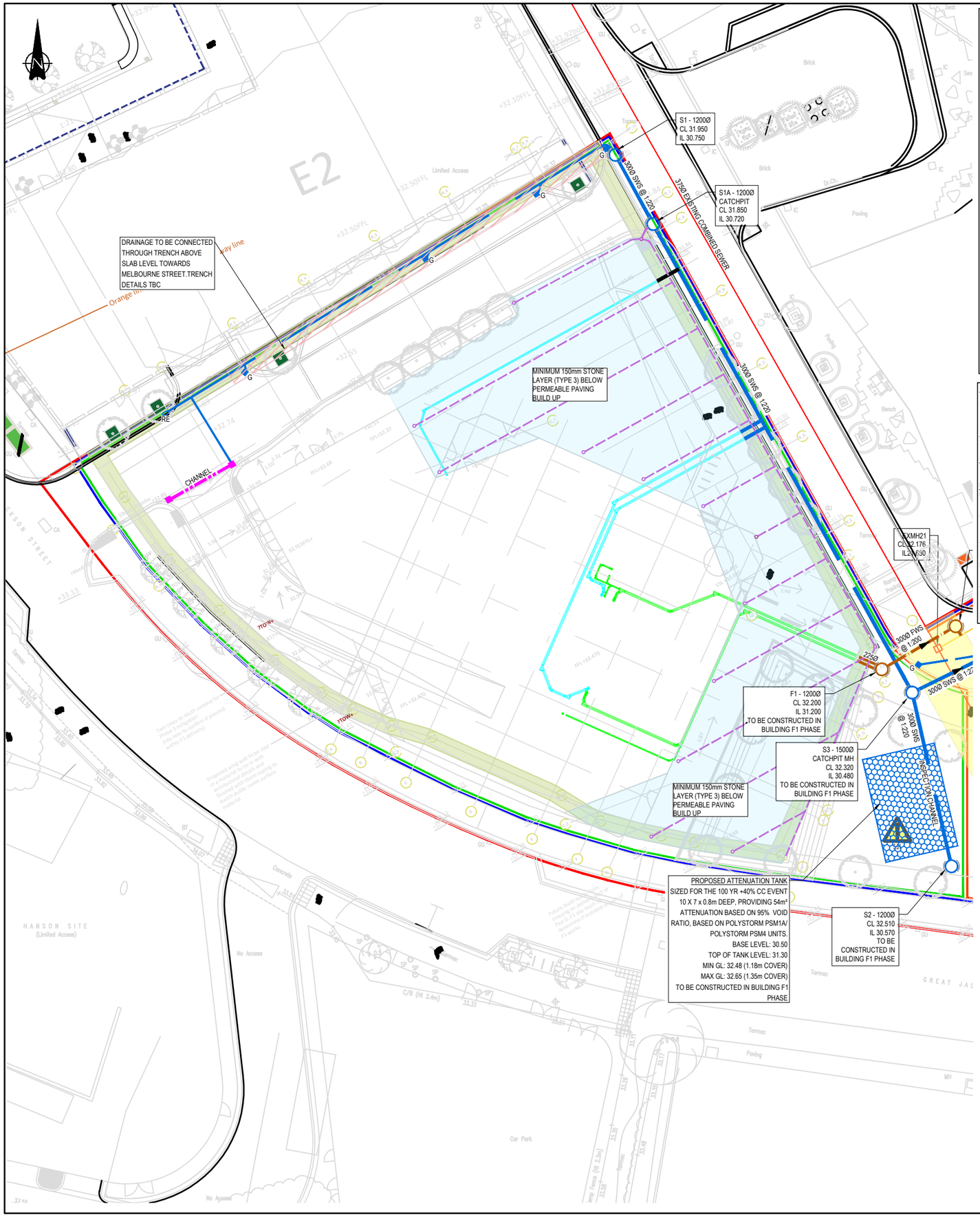


DESIGN PHILOSOPHY

SURFACE WATER DESIGN
THE DESIGN PROVIDES CAPACITY UP TO THE 100 YEAR + 40% CLIMATE CHANGE EVENT.
SW FLOW RATE: 115L/S (BASED ON 50% REDUCTION OF EXISTING 1-YEAR BROWNFIELD FLOW RATE) BOTH PHASES.

ATTENUATION
APPROXIMATE STORAGE REQUIREMENT:53M^3 PROVIDED WITHIN CELLULAR STORAGE.
FURTHER ATTENUATION IS PROVIDED WITHIN PERMEABLE PAVING SUB-BASE & OVERSIZED PIPEWORK.

OUTFALL:
SITE DISCHARGES TO THE EXISTING 300Ø SEWER IN POND STREET.
A S106 AGREEMENT IS REQUIRED WITH UNITED UTILITIES:
PART 1 BY CURTINS
PART 2 BY CONCTRACTOR

LEVELS INDICATE THAT PUMPING WILL NOT BE REQUIRED.

POLLUTION TREATMENT/ SUSTAINABLE DRAINAGE:
A PROPORTION OF THE HARDSTANDING AREA IS SERVED BY PERMEABLE PAVING.
INFILTRATION IS NOT CONSIDERED APPROPRIATE FOR THIS SCHEME.

FOUL WATER DESIGN (PLOT F1 ONLY)

FW PEAK FLOW RATE:29.5L/S (BASED ON 3,500 DISCHARGE UNITS LOADING PROVIDED BY M&E DESIGNER)

OUTFALL:
SITE DISCHARGES TO THE EXISTING 375Ø SEWER IN OWEN STREET (VIA EXISTING SEWER IN POND STREET).
A S106 AGREEMENT IS REQUIRED WITH UNITED UTILITIES:
PART 1 BY CURTINS
PART 2 BY CONCTRACTOR

LEVELS INDICATE THAT PUMPING WILL NOT BE REQUIRED. TBC FOLLOWING FURTHER DESIGN AND SURVEY WORK.

OTHER DISCIPLINE DRAWING REFERENCES

THE DESIGN OF THIS SCHEME HAS BEEN DESIGNED IN ACCORDANCE WITH THE BELOW DRAWINGS AND INFORMATION.

TOPOGRAPHICAL SURVEY REF:
11072_001B / 1 TO 3 REV B. BY N.D. OLIVER, DATED DEC 2022

CCTV SURVEY:
SURVEY BY IWJS DATED JUNE 2023

UNITED UTILITIES RECORDS:
UUPS-ORD-275021, DATED APRIL 2021

STRUCTURAL ENGINEERS DRAWING REF:

ARCHITECTS DRAWING REF:
10334-F2-SHP-G200-PL-GRD-001 GA GROUND FLOOR
10334-F2-SHP-G260-PL-GRD-001 STRUCTURAL LAYOUT GROUND FLOOR

LANDSCAPE ARCHITECTS DRAWING REF:
Z1-TPM-G710-PL-XX-3851 101 LANDSCAPE GA DRAFT 25/10/23

M&E ENGINEERS DRAWING REF:
F1-FUT-G580-PL-B1-001 REV P2 25.07.23

KEY:

- RED LINE PLANNING BOUNDARY
- SITE OWNERSHIP BOUNDARY (OFFSET INSIDE REDLINE FOR CLARITY)
- PHASE 1 BOUNDARY (OFFSET INSIDE OWNERSHIP FOR CLARITY)
- PHASE 2 BOUNDARY (OFFSET INSIDE OWNERSHIP FOR CLARITY)
- EXISTING PUBLIC COMBINED SEWER (APPROXIMATE LOCATION)
- EXISTING PRIVATE SW SEWER
- EXISTING PRIVATE FW SEWER
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED SURFACE WATER (100Ø PERFORATED PIPE)
- PROPOSED FOUL WATER DRAINAGE
- PERMEABLE PAVING
- PROPOSED ATTENUATION TANK
- G PROPOSED SURFACE WATER GULLY
- EG EXISTING SURFACE WATER GULLY TO BE RETAINED
- PROPOSED LINEAR DRAINAGE CHANNEL RENAKER TO ADVISE ON PRODUCT TO BE USED.
- EXISTING DRAINAGE TO BE ABANDONED
- PROPOSED FOUNDATION
- PROPOSED BASEMENT CAPPING BEAM

HAZARD REFERENCES

S40 REFER TO DRAWING Z1-CUR-G580-PL-GRD-92500 FOR HAZARDS DETAILS & MITIGATION MEASURES TABLE

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DESIGN BASED ON TOPOGRAPHICAL SURVEY INFORMATION AVAILABLE AT THE TIME OF DESIGN.
3. 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.
4. ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.
5. FOR DRAINAGE NOTES, REFER TO DRAWING Z1-CUR-G580-PI-GRD-92510.
6. FOR MANHOLE SCHEDULE, REFER TO DRAWING Z1-CUR-G580-PL-XX-92520.

Rev:	Description:	Date:	By:	Chkd:
P02	STAGE 4 NOTE REMOVED	19/02/24	CG	CG
P01	ISSUED FOR STAGE 3 / PLANNING CONDITION DISCHARGE	20/11/23	CG	CG

Curtins
Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 236 2394
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 • Kendal • Leeds • Liverpool • London • Manchester • Nottingham

Status: SUITABLE FOR INFORMATION — S2

Project: PLOT F, GREAT JACKSON STREET

Drg Title: PROPOSED DRAINAGE LAYOUT PHASE 2 (PLOT F1)

Drawn By	Designed By	Checked By
KS	CG	CG
Project No: 078524	Date: 20/11/23	Scales @ A1: 1:200

Project Code - Originator - Function - Spatial - Form - Discipline - Number: Z1-CUR -G580 - PL - GRD - 92502

Revision: P02

\\ma-fs-1\Projects\078001 - 078500\078524 - Plot F Great Jackson Street\04-Production\4A-Models-Drawings\