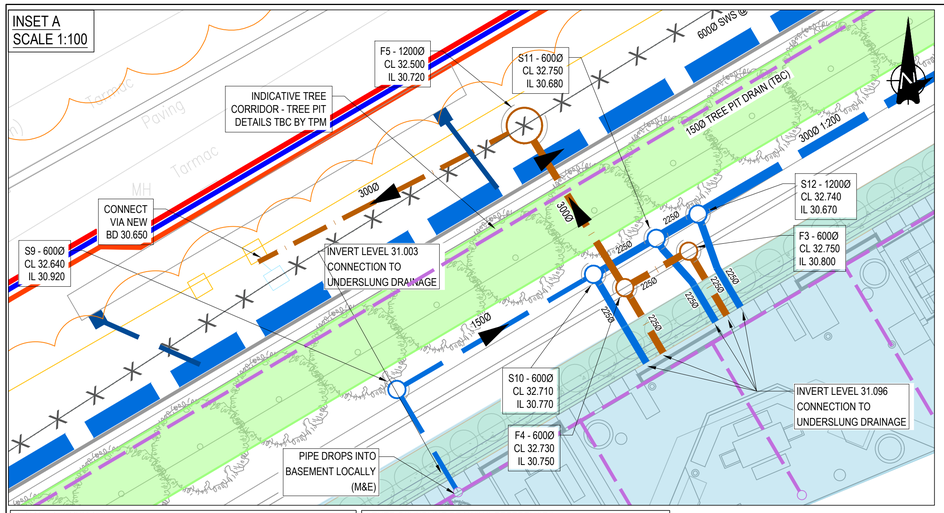
INSET A
SCALE 1:100



HAZARD REFERENCES

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

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)

ATTENUATION
APPROXIMATE STORAGE REQUIREMENT:53M³ 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.
FOR CARRIAGEWAY DRAINAGE, FILTER TRAPS ARE TO BE FITTED TO ALL ROAD GULLIES. (INCLUDING EXISTING RETAINED GULLIES). TO BE SMART GULLY UNITS BY NAYLOR O.S.A
INFILTRATION IS NOT CONSIDERED APPROPRIATE FOR THIS SCHEME.

FOUL WATER DESIGN (PLOT F2 ONLY)

FW PEAK FLOW RATE:29.1L/S (BASED ON 3,380 DISCHARGE UNITS LOADING PROVIDED BY M&E DESIGNER)

OUTFALL:
SITE DISCHARGES TO THE EXISTING 375Ø SEWER IN OWEN 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

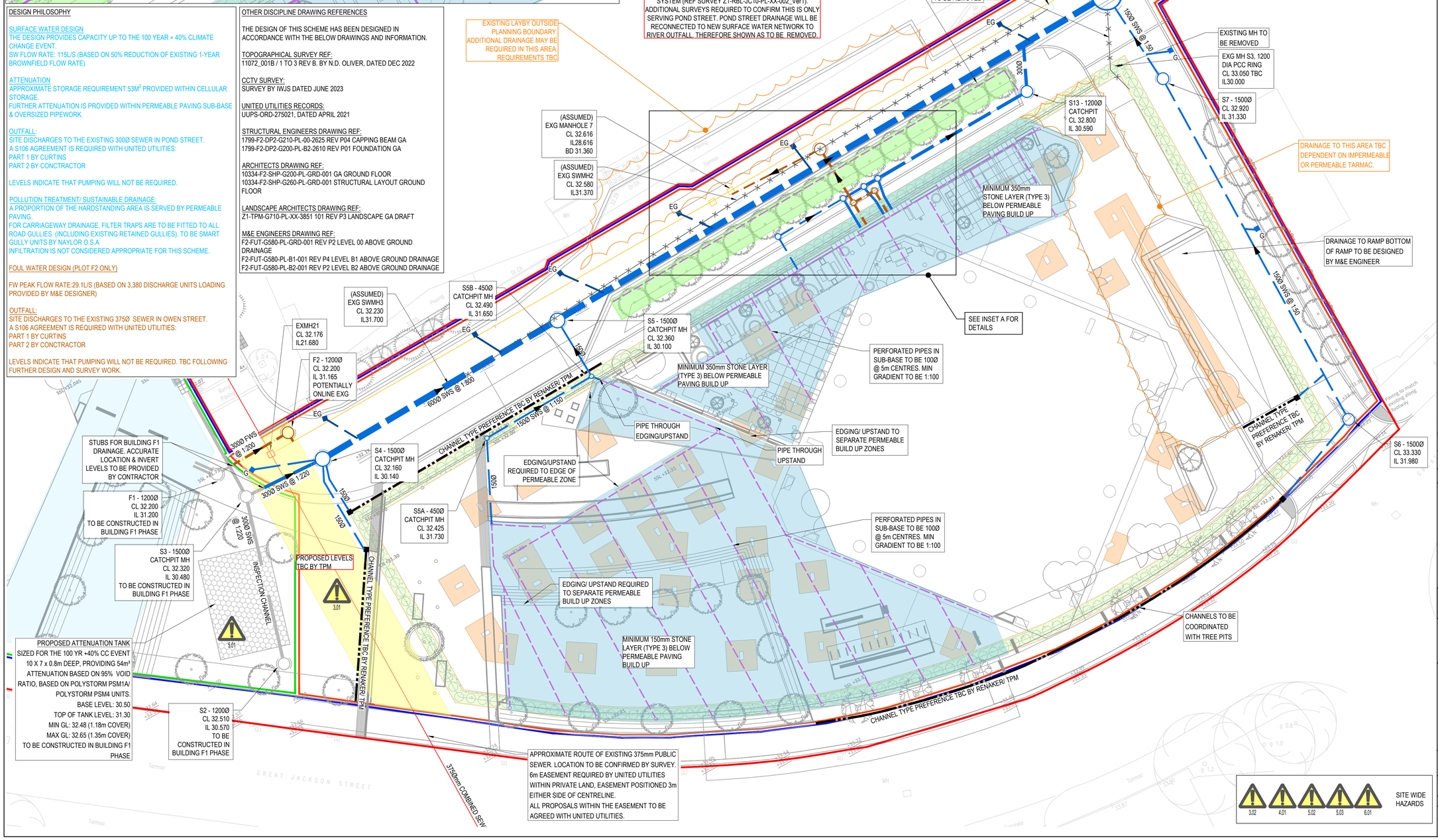
UNITED UTILITIES RECORDS:
UUPS-ORD-275021, DATED APRIL 2021

STRUCTURAL ENGINEERS DRAWING REF:
1799-F2-DP2-G210-PL-00-2625 REV P04 CAPPING BEAM GA
1799-F2-DP2-G200-PL-B2-2610 REV P01 FOUNDATION GA

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 REV P3 LANDSCAPE GA DRAFT

M&E ENGINEERS DRAWING REF:
F2-FUT-G580-PL-GRD-001 REV P2 LEVEL 00 ABOVE GROUND DRAINAGE
F2-FUT-G580-PL-B1-001 REV P4 LEVEL B1 ABOVE GROUND DRAINAGE
F2-FUT-G580-PL-B2-001 REV P2 LEVEL B2 ABOVE GROUND DRAINAGE



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.

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 (FILTER TRAPS REQUIRED TO ALL GULLIES - NAYLOR SMAR
- EG EXISTING SURFACE WATER GULLY TO BE RETAINED (Filter Traps required to all Gullies - Naylor Smart Gullies O.S.A) GULLY CONNECTIONS TO BE RETAINED AS MUCH AS POSS INTO PROPOSED DRAINAGE
- PROPOSED LINEAR DRAINAGE CHANNEL RENAKER TO ADVISE ON PRODUCT TO BE USED.
- EXISTING DRAINAGE TO BE ABANDONED
- PROPOSED FOUNDATION
- PROPOSED BASEMENT CAPPING BEAM

Rev:	Description:	Date:	By:	Chkd:
P02	DRAFT ISSUE FOR COMMENT	13/09/23	ATL	CG
P01	ISSUED FOR STAGE 3 / PLANNING CONDITION DISCHARGE	28/07/23	CG	CG

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Status: SUITABLE FOR INFORMATION — S2

Project: PLOT F, GREAT JACKSON STREET

Drg Title: PROPOSED DRAINAGE LAYOUT PHASE 1 (PLOT F2)

Drawn By	Designed By	Checked By
KS	CG	CG

Project No	Date	Scales @ A1
078524	25/07/23	1:200

Project Code - Originator - Function - Spatial - Form - Discipline - Number: Z1-CUR -G580 - PL - GRD - 92501 — Revision: P02

\\mabl02\Projects\078501 - 078600\078524 - Plot F Great Jackson Street\04-Production\Mi-Models\Drawings\