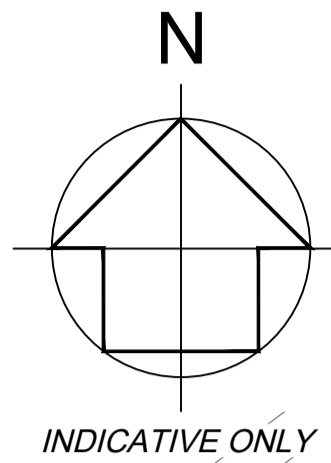


IMPORTANT NOTE: CAUTION
 ALL INFORMATION SHOWN ON THIS DRAWING FOR UNDERGROUND SERVICES/STATUTORY UNDERTAKERS' PLANT IS APPROXIMATE AND IS PROVIDED FOR THE CONTRACTORS' INFORMATION ONLY. IT SHOULD NOT BE RELIED ON FOR EXCAVATION OR ANY OTHER WORKS PURPOSES AND CONTRACTORS MUST SATISFY THEMSELVES OF THEIR LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS.

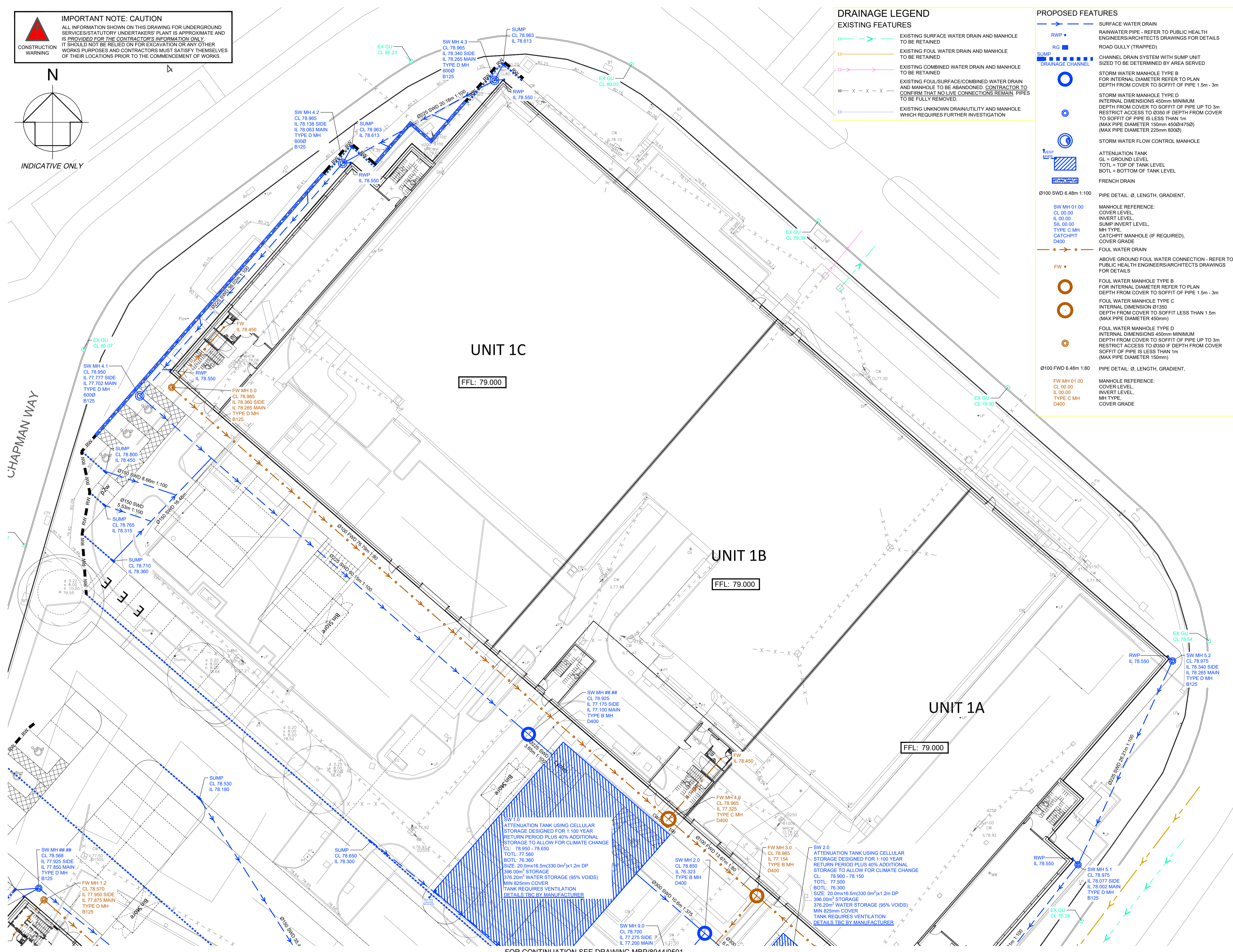


- DRAINAGE LEGEND**
- EXISTING FEATURES**
- EXISTING SURFACE WATER DRAIN AND MANHOLE TO BE RETAINED
 - EXISTING FOUL WATER DRAIN AND MANHOLE TO BE RETAINED
 - EXISTING COMBINED WATER DRAIN AND MANHOLE TO BE RETAINED
 - EXISTING FOUL/SURFACE/COMBINED WATER DRAIN AND MANHOLE TO BE ABANDONED. CONTRACTOR TO CONFIRM THAT NO LIVE CONNECTIONS REMAIN. PIPES TO BE FULLY REMOVED.
 - EXISTING UNKNOWN DRAIN/UTILITY AND MANHOLE WHICH REQUIRES FURTHER INVESTIGATION

- PROPOSED FEATURES**
- SURFACE WATER DRAIN
 - RAINWATER PIPE - REFER TO PUBLIC HEALTH ENGINEERS/ARCHITECTS DRAWINGS FOR DETAILS
 - ROAD GULLY (TRAPPED)
 - CHANNEL DRAIN SYSTEM WITH SUMP UNIT SIZED TO BE DETERMINED BY AREA SERVED
 - STORM WATER MANHOLE TYPE B FOR INTERNAL DIAMETER REFER TO PLAN DEPTH FROM COVER TO SOFFIT OF PIPE 1.5m - 3m
 - STORM WATER MANHOLE TYPE D INTERNAL DIMENSIONS 450mm MINIMUM DEPTH FROM COVER TO SOFFIT OF PIPE UP TO 3m RESTRICT ACCESS TO Ø350 IF DEPTH FROM COVER TO SOFFIT OF PIPE IS LESS THAN 1m (MAX PIPE DIAMETER 150mm 4500/4750) (MAX PIPE DIAMETER 225mm 6000)
 - STORM WATER FLOW CONTROL MANHOLE
 - ATTENUATION TANK GL = GROUND LEVEL TOTL = TOP OF TANK LEVEL BOTL = BOTTOM OF TANK LEVEL
 - FRENCH DRAIN
 - PIPE DETAIL: Ø, LENGTH, GRADIENT.
 - MANHOLE REFERENCE: COVER LEVEL, INVERT LEVEL, SUMP INVERT LEVEL, MH TYPE, CATCHPIT MANHOLE (IF REQUIRED), COVER GRADE
 - FOUL WATER DRAIN ABOVE GROUND FOUL WATER CONNECTION - REFER TO PUBLIC HEALTH ENGINEERS/ARCHITECTS DRAWINGS FOR DETAILS
 - FOUL WATER MANHOLE TYPE B FOR INTERNAL DIAMETER REFER TO PLAN DEPTH FROM COVER TO SOFFIT OF PIPE 1.5m - 3m
 - FOUL WATER MANHOLE TYPE C INTERNAL DIMENSION Ø1350 DEPTH FROM COVER TO SOFFIT LESS THAN 1.5m (MAX PIPE DIAMETER 450mm)
 - FOUL WATER MANHOLE TYPE D INTERNAL DIMENSIONS 450mm MINIMUM DEPTH FROM COVER TO SOFFIT OF PIPE UP TO 3m RESTRICT ACCESS TO Ø350 IF DEPTH FROM COVER TO SOFFIT OF PIPE IS LESS THAN 1m (MAX PIPE DIAMETER 150mm)
 - PIPE DETAIL: Ø, LENGTH, GRADIENT.
 - MANHOLE REFERENCE: COVER LEVEL, INVERT LEVEL, MH TYPE, COVER GRADE

NOTES:

NOTE
 FOR DRAINAGE LEGEND SEE DRAWING NO: MBP/8944/0501



UNIT 1C
 FFL: 79.000

UNIT 1B
 FFL: 79.000

UNIT 1A
 FFL: 79.000

ATTENUATION TANK USING CELLULAR STORAGE DESIGNED FOR 1:100 YEAR RETURN PERIOD PLUS 40% ADDITIONAL STORAGE TO ALLOW FOR CLIMATE CHANGE
 CL: 78.950 - 78.650
 TOTL: 77.560
 BOTL: 76.360
 SIZE: 20.0m x 16.5m (330.0m²) x 1.2m DP
 396.00m³ STORAGE
 376.20m³ WATER STORAGE (95% VOIDS)
 MIN 825mm COVER
 TANK REQUIRES VENTILATION
 DETAILS TBC BY MANUFACTURER

ATTENUATION TANK USING CELLULAR STORAGE DESIGNED FOR 1:100 YEAR RETURN PERIOD PLUS 40% ADDITIONAL STORAGE TO ALLOW FOR CLIMATE CHANGE
 CL: 78.900 - 78.150
 TOTL: 77.500
 BOTL: 76.300
 SIZE: 20.0m x 16.5m (330.0m²) x 1.2m DP
 396.00m³ STORAGE
 376.20m³ WATER STORAGE (95% VOIDS)
 MIN 825mm COVER
 TANK REQUIRES VENTILATION
 DETAILS TBC BY MANUFACTURER

Rev	Date	Description	By
P1	04/07/2023	TENDER ISSUE	SPB

Drawing Status

PRELIMINARY

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Title:
**DRAINAGE LAYOUT
 SHEET 1 OF 2**

Scale	Date	By	Checked
1:200	JULY 2023	SPB	RS

Drawing Number: MBP / 8944 / 0500

Revision: P1