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THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, SPECIFICATIONS AND THE PRELIMINARY HEALTH & SAFETY PLAN.

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE. DO NOT SCALE DIMENSIONS.

THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.

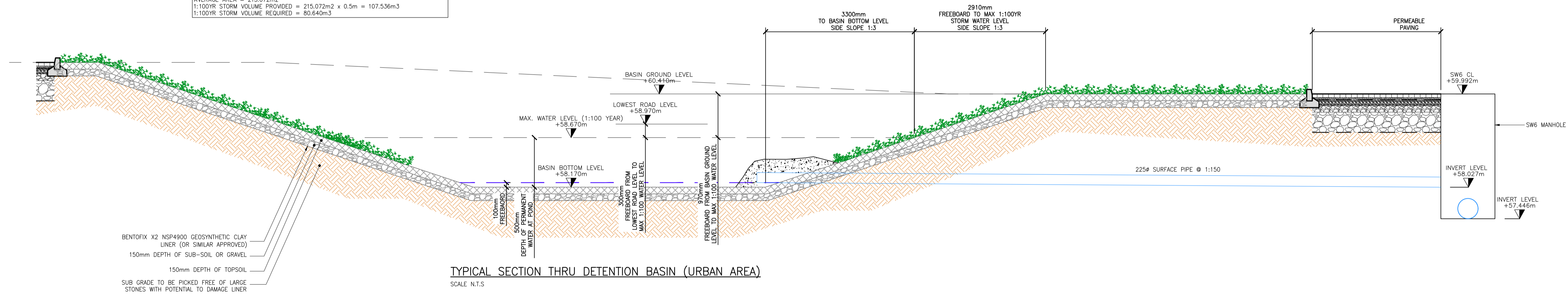
NOTES

ATTENUATION VOLUME INFORMATION AREA 1

LEVELS CHECK
 LOWEST ROAD LEVEL = 58.970m
 1:100YR WATER LEVEL i.e. 300mm FREEBOARD = 58.670m
 LOWEST FFL = 59.170m
 1:100YR WATER LEVEL i.e. 500mm FREEBOARD = 59.170m
 LET THE 1:100YR WATER LEVEL = 58.670m

DETENTION BASIN
 SIDE SLOPE 1:3
 TOP OF EMBANKMENT = 59.650m
 (LEVELS VARY AROUND THE COURTYARD - FOR CALCULATION PURPOSES USING THE MANHOLE COVER LEVEL GOING INTO THE DETENTION BASIN)
 1:100YR WATER LEVEL = 58.670m i.e. 980mm FREEBOARD FROM 1:100YR WATER LEVEL
 500mm DEPTH FOR WATER STORAGE
 BASIN BOTTOM LEVEL = 58.17m

TOP AREA OF BASIN AT 1:100YR STORM WATER = 264.283m²
 BOTTOM AREA OF BASIN AT 1:100YR STORM WATER = 165.861m²
 AVERAGE AREA = 215.072m²
 1:100YR STORM VOLUME PROVIDED = 215.072m² x 0.5m = 107.536m³
 1:100YR STORM VOLUME REQUIRED = 80.640m³



BENTOFIX X2 NSP4900 GEOSYNTHETIC CLAY LINER (OR SIMILAR APPROVED)
 150mm DEPTH OF SUB-SOIL OR GRAVEL
 150mm DEPTH OF TOPSOIL
 SUB GRADE TO BE PICKED FREE OF LARGE STONES WITH POTENTIAL TO DAMAGE LINER

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|-----|--------------------------|----------|----|-----|
| 3 | ISSUED FOR PLANNING | 30.05.24 | SL | DW |
| 2 | ISSUED FOR INFORMATION | 08.03.24 | KA | DW |
| 1 | DETENTION BASINS REVISED | 05.04.24 | KA | PB |
| 0 | ISSUED FOR INFORMATION | 08.03.24 | KA | PB |
| REV | DESCRIPTION | DATE | BY | CHK |

STATUS: **P3 - PLANNING**

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CLIENT: SOUTH DUBLIN COUNTY COUNCIL

JOB NAME: SOCIAL HOUSING PPP BUNDLE 4&5 - KISHOGUE, LUCAN

DRG. NAME: SUDS DETAILS SHEET 2

| | | | | | | | |
|---------|-------|-------|----------|----|-----|-----|------|
| JOB REF | SHEET | SCALE | DATE | BY | ENG | APP | REV. |
| 23006 | A1 | N.T.S | MAY'2024 | SL | KA | PB | 3 |

DRG. NO.: SHB5-CSD-DR-MOR-CS-P3-152