

ATTENUATION AREA 7: DETENTION BASIN.
STORMTECH ATTENUATION WITH BASIN ABOVE

STORMTECH ATTENUATION (30 YR AEP)
 MC3500 SYSTEM TANK (MIN 0.45M COVER)
 68m LONG X 100m WIDE
 VOL: 6900m³
 CHAMBER I.L: 56.359

BASIN (100 YR AEP)
 BASIN VOL: 3100m³
 BASIN I.L: 57.95
 BASIN TWL: 58.364 (ACTIVE DEPTH: 0.141m)
 TOTAL VOL: 10,000m³

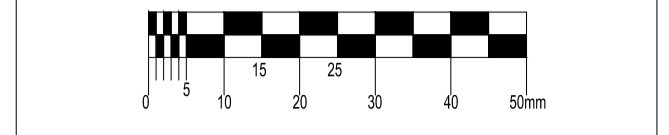
MINOR AMENDMENTS TO PLAN FOOTPRINT FROM APPROVED CLONBARRIS SOUTHERN LINK STREET APPLICATION (REF SD220A/0021). GENERAL ARRANGEMENT AND VOLUMES MAINTAINED AS PER SD220A/0021

FLOW CONTROL MANHOLE (HYDROBRAKE OPTIMUM OR SIMILAR)
 MaxQ= 102.55 l/s

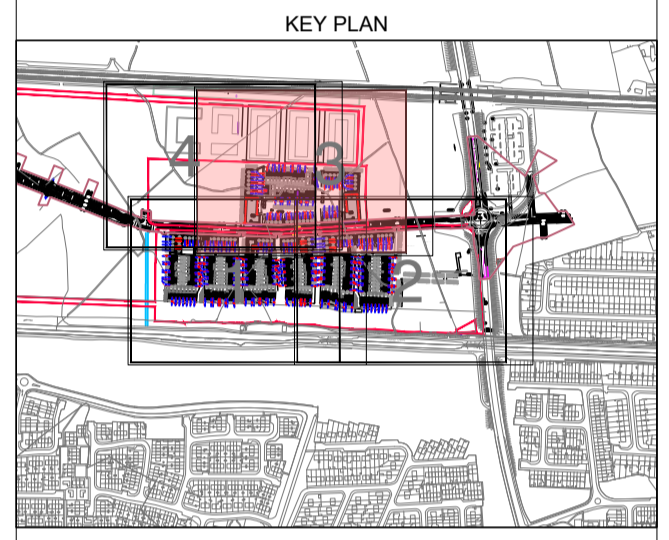
SERVICES LEGEND

- PROPOSED SITE BOUNDARY
- CANAL SET BACK LINE
- PROPOSED PERMEABLE PAVING (PRIVATE)
- PROPOSED PERMEABLE PAVING (MANAGEMENT COMPANY)
- EXISTING SURFACE WATER SEWER
- TRUNK SURFACE WATER SEWER TO BE CONSTRUCTED AS PART OF THE CLONBARRIS SOUTHERN LINK ST [SD220A/0021]
- PROPOSED SURFACE WATER SEWER AND MANHOLE
- PROPOSED SURFACE WATER INSPECTION CHAMBER AND 150mm^Ø UPVC HOUSE DRAIN
- ROAD GULLY
- KERB INLET
- PROPOSED FILTER DRAIN WITH GRATED MANHOLE COVER (BRIO BY EJ OSA)
- PROPOSED SWALE WITH GRATED MANHOLE COVER (BRIO BY EJ OSA)
- DETENTION BASIN/POND
- BIORETENTION AREA
- EXISTING FOUL SEWER
- TRUNK FOUL SEWER TO BE CONSTRUCTED AS PART OF THE CLONBARRIS SOUTHERN LINK ST [SD220A/0021]
- PROPOSED FOUL SEWER AND MANHOLE
- PROPOSED FOUL WATER INSPECTION CHAMBER (STD-WW-13) AND HOUSE DRAIN
- EXISTING WATERMAIN
- PROPOSED LEVELS
- EXISTING LEVELS
- FINISHED FLOOR LEVEL
- ROAD GRADIENT

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- NOTES:**
- ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
 - THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF EXISTING DRAINAGE AND OUTFALL LEVELS AND LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE.
 - ALL DIMENSIONS AND LEVELS ARE IN METERS AND ARE RELATED TO ORDNANCE DATUM. CO-ORDINATES RELATE TO IRISH TRANSVERSE MERCATOR.
 - ALL FOUL SEWERS, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
 - ALL PUBLIC SURFACE WATER SEWERS TO BE IN ACCORDANCE WITH SOUTH DUBLIN COUNTY COUNCIL'S TAKING IN CHARGE POLICY AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
 - SURFACE WATER DRAINAGE STRATEGY TO BE IN ACCORDANCE WITH THE CLONBARRIS SURFACE WATER MANAGEMENT PLAN.
 - ALL COVER LEVELS TO MATCH FINISHED ROAD/VERGE/FOOTPATH/CYCLETRACK LEVELS UNLESS OTHERWISE STATED.
 - CONTRACTOR TO INCLUDE FOR TESTING AND CCTV SURVEY OF ALL SEWERS UPON COMPLETION OF SAME.
 - WHERE COVERS ARE LOCATED IN GRASS AREAS THEY SHALL BE SURROUNDED BY A CONCRETE PLINTH, 200MM ALL ROUND AND 100mm DEEP FORMED WITH C20/25 CONCRETE, 20mm AGGREGATE SIZE, BEDDED IN CLAUSE 808 MATERIAL.



ORDNANCE SURVEY IRELAND LICENCE
 No EN 0017921
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| rev | date | description | DKE | JPC |
|-----|----------|---------------------|-----|-----|
| P01 | 17-11-21 | ISSUED FOR PLANNING | | |

client approval: A - Approved
 B - Approved with comments
 C - Do not use

suitability: S2 - INFORMATION
 issue purpose: PLANNING

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project ref: CLONBARRIS PHASE 1A

drawing title: **CLONBARRIS PHASE 1A**
DRAINAGE LAYOUT - SHEET 3

client: **CAIRN HOMES LTD**

designed by: NCG
 author: DKE
 scale: 1:500
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