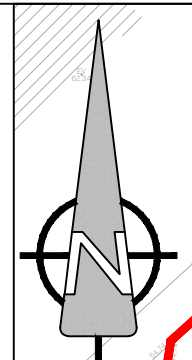


**LEGEND:**

EXISTING DRAINAGE DITCH.....	
PROPOSED INFILTRATION BASIN.....	
PROPOSED PERMEABLE PAVING.....	
PROPOSED FILTER DRAIN.....	
PROPOSED SWALE.....	
PROPOSED CATCHMENT PIT AND PERFORATED PIPE.....	
PROPOSED INTERMITTING KERB.....	
PROPOSED LANDSCAPE AREA.....	
PROPOSED ROAD SURFACE.....	
PROPOSED EXPOSED AGGREGATE CONCRETE PATHWAY.....	
PROPOSED ALLOTMENT AREA.....	
PROPOSED BOUND GRAVEL.....	
PROPOSED CONCRETE FOOTPATH.....	
PROPOSED COBBLED PAVING.....	
PROPOSED LANDSCAPE FOOTPATH.....	
PROPOSED FEATURE PATHWAY PAVING.....	
PROPOSED RED LINE BOUNDARY.....	



PROPOSED INFILTRATION BASIN  
DEPTH: 0.5m  
SURFACE AREA: 2,017m<sup>2</sup>  
SIDE SLOPES: 1:10

PROPOSED SUB-BASE BELOW INFILTRATION BASIN  
WIDTH: 8m  
LENGTH: 48m  
DEPTH: 0.8m  
POROSITY: 30%  
CUMULATIVE STORAGE VOLUME PROVIDED: 530m<sup>3</sup>

PROPOSED INFILTRATION BASIN  
DEPTH: 0.5m  
SURFACE AREA: 428m<sup>2</sup>  
SIDE SLOPES: 1:10

PROPOSED SUB-BASE BELOW INFILTRATION BASIN  
WIDTH: 7.6m  
LENGTH: 19.4m  
DEPTH: 0.8m  
POROSITY: 30%  
CUMULATIVE STORAGE VOLUME PROVIDED: 149.5m<sup>3</sup>

PROPOSED INFILTRATION BASIN  
DEPTH: 0.5m  
SURFACE AREA: 398m<sup>2</sup>  
SIDE SLOPES: 1:10

PROPOSED SUB-BASE BELOW INFILTRATION BASIN  
WIDTH: 7.8m  
LENGTH: 15.6m  
DEPTH: 0.8m  
POROSITY: 30%  
CUMULATIVE STORAGE VOLUME PROVIDED: 114m<sup>3</sup>

PROPOSED INFILTRATION BASIN  
DEPTH: 0.5m  
SURFACE AREA: 862m<sup>2</sup>  
SIDE SLOPES: 1:10

PROPOSED SUB-BASE BELOW INFILTRATION BASIN  
WIDTH: 8m  
LENGTH: 28m  
DEPTH: 0.8m  
POROSITY: 30%  
CUMULATIVE STORAGE VOLUME PROVIDED: 274m<sup>3</sup>

PROPOSED INFILTRATION BASIN  
DEPTH: 0.5m  
SURFACE AREA: 1188m<sup>2</sup>  
SIDE SLOPES: 1:10

PROPOSED SUB-BASE BELOW INFILTRATION BASIN  
WIDTH: 6m  
LENGTH: 12.7m  
DEPTH: 0.8m  
POROSITY: 30%  
CUMULATIVE STORAGE VOLUME PROVIDED: 289m<sup>3</sup>

2m WIDE x 1m DEEP x 166m  
LONG FILTER DRAIN  
INFILTRATING INTO  
GROUND.

2m WIDE x 1m DEEP x 22m  
LONG FILTER DRAIN  
INFILTRATING INTO  
GROUND.

2m WIDE x 1m DEEP x 377m  
LONG FILTER DRAIN  
INFILTRATING INTO  
GROUND.

2m WIDE x 1m DEEP x 48m  
LONG FILTER DRAIN  
INFILTRATING INTO  
GROUND.

2m WIDE x 1m DEEP x 207m  
LONG FILTER DRAIN  
INFILTRATING INTO  
GROUND.

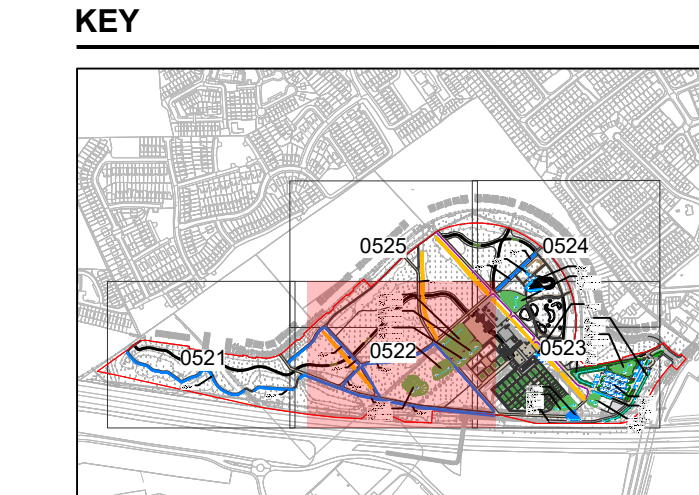
2m WIDE x 1m DEEP x 285m  
LONG FILTER DRAIN  
INFILTRATING INTO  
GROUND.



**PROJECT**  
PART 8 PROPOSED REDEVELOPMENT OF THE WONDERFUL BARN P82024.10  
CELBRIDGE RD,  
BARNHALL,  
LEIXLIP,  
CO. KILDARE  
CLIENT

**KILDARE COUNTY COUNCIL**  
**CONSULTANT**  
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- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
  - ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
  - AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
  - DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
  - DO NOT SCALE. ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
  - THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
  - MANHOLE COVERS AND FRAMES IN PUBLICLY ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON, CLASS D400, DOUBLE SEALED AND LOCKABLE TYPE COMPLYING WITH BS EN 124-2:2015.
  - SURFACE WATER & FOUL SEWER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE OR LESS THAN 0.9m IN NON-TRAFFICKED FOOTPATHS AND LANDSCAPE AREAS (WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE Ø750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN ACCORDANCE WITH IS EN 12620.
  - ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
  - ALL SURFACE WATER DRAINAGE DETAILS TO BE IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
  - RAINFALL GUTTS TO BE INSTALLED AT THE BACK OF EACH PROPOSED DWELLING.
  - PROPOSED SUDS SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH C753, C768 AND KILDARE COUNTY COUNCIL'S SUDS CHECKLIST.
  - DRAWING TO BE READ IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT DRAWINGS.



**ISSUE/REVISION**

I/R	DATE	DESCRIPTION
0	05.06.2024	ISSUED FOR PART 8

**PROJECT NUMBER**  
60689541

**SHEET TITLE**  
PROPOSED SUDS AND PAVEMENT LAYOUT SHEET 2 OF 5

**SHEET NUMBER**  
60689541-ACM-XX-00-DR-CE-10-0522

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