

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 PERMEABLE PAVING
DEPTH: 0.8m
AREA: 115m²
POROSITY: 30%
VOLUME PROVIDED: 13.8m³

PROPOSED SWALE
DEPTH: 0.25m
WIDTH: 3m
LENGTH: 136m
SIDE SLOPES: 1:4
VOLUME PROVIDED: 34m³

PROPOSED FILTER DRAIN BENEATH SWALE
DEPTH: 0.8m
WIDTH: 0.8m
LENGTH: 136m
POROSITY: 30%
VOLUME PROVIDED: 13m³

PROPOSED INFILTRATION BASIN
DEPTH: 0.25m
SURFACE AREA: 579m²
SIDE SLOPES: 1:10

PROPOSED SUB-BASE BELOW INFILTRATION BASIN
WIDTH: 6m
LENGTH: 19m
DEPTH: 0.8m
POROSITY: 30%
CUMULATIVE STORAGE VOLUME PROVIDED: 75m³

PROPOSED SWALE
SURFACE AREA: 662m²
DEPTH: 0.25m
SIDE SLOPES: 1:4
VOLUME PROVIDED: 69m³

PROPOSED FILTER DRAIN BENEATH SWALE
WIDTH: 1m
DEPTH: 1m
LENGTH: 95m
POROSITY: 30%
VOLUME PROVIDED: 14m³

PROPOSED INFILTRATION BASIN
DEPTH: 0.25m
SURFACE AREA: 369m²
SIDE SLOPES: 1:10

PROPOSED SUB-BASE BELOW INFILTRATION BASIN
WIDTH: 8m
LENGTH: 14m
DEPTH: 0.8m
POROSITY: 30%
CUMULATIVE STORAGE VOLUME PROVIDED: 60m³

PROPOSED PERMEABLE PAVING
DEPTH: 0.8m
AREA: 333m²
POROSITY: 30%
VOLUME PROVIDED: 40m³

PROPOSED INFILTRATION BASIN
SURFACE AREA: 635m²
DEPTH: 0.25m
SIDE SLOPES: 1:10

PROPOSED SUB-BASE BELOW INFILTRATION BASIN
WIDTH: 1m
LENGTH: 49m
DEPTH: 1m
POROSITY: 30%
CUMULATIVE STORAGE VOLUME PROVIDED: 173m³

PROPOSED CONCRETE FOOTPATH TO TIE INTO EXISTING CONCRETE FOOTPATH.

PROPOSED PERMEABLE PAVING AT CAR PARK SPACES
DEPTH: 0.8m
CUMULATIVE AREA: 1,018m²
POROSITY: 30%
CUMULATIVE VOLUME PROVIDED: 122m³

PROPOSED SWALE
WIDTH: 2.5m
DEPTH: 0.25m
LENGTH: 40m
VOLUME PROVIDED: 7.5m³

PROPOSED FILTER DRAIN BENEATH SWALE
WIDTH: 0.4m
DEPTH: 0.4m
LENGTH: 40m
POROSITY: 30%
VOLUME PROVIDED: 1m³

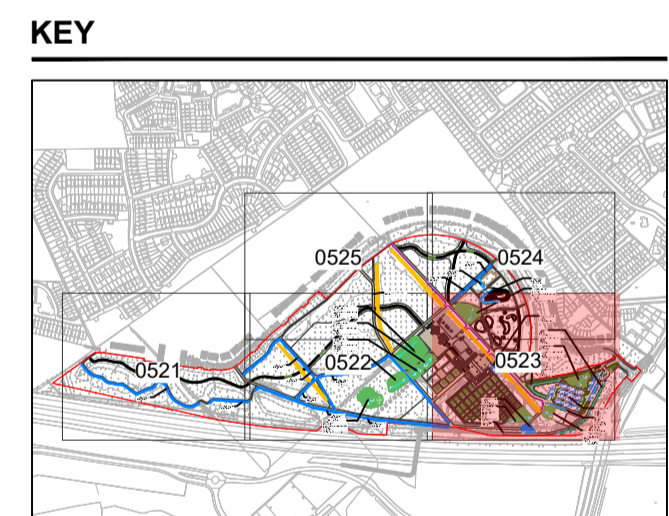


PROJECT
PART 8 PROPOSED REDEVELOPMENT OF THE WONDERFUL BARN P82024.10
CELBRIDGE RD, BARNHALL, LEIXLIP, CO. KILDARE
CLIENT

KILDARE COUNTY COUNCIL
CONSULTANT

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- NOTES**
1. 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.
 2. ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
 3. AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
 4. DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
 5. DO NOT SCALE. ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
 6. THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
 7. 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.
 8. 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.
 9. ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
 10. ALL SURFACE WATER DRAINAGE DETAILS TO BE IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL DRAINAGE STUDY AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
 11. RAINWATER BUTTS TO BE INSTALLED AT THE BACK OF EACH PROPOSED DWELLING.
 12. PROPOSED SUDS SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH C753, C768 AND KILDARE COUNTY COUNCIL'S SUDS CHECKLIST.
 13. 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 LAYOUT AND PAVEMENT LAYOUT SHEET 3 OF 5

SHEET NUMBER
60689541-ACM-XX-00-DR-CE-10-0523

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