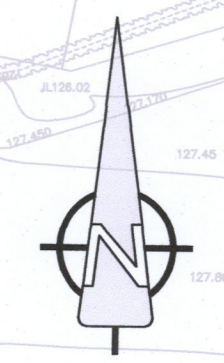


ISO A1 594mm x 841mm
 Approved: LS
 Checked: JC
 Drawn By: KM
 Project Management Initials:
 0520
 Last saved by: JAMIE CULLEN(2025-02-22) Last Plotted: 2025-04-14
 Filename: \\NA-AECOM\NET\COM\PLANS\MEAD\UBL\IN\EDBL\LEGACY\WEDBL2\FP001\DATA\DCS\PROJECTS\CI\60659192_STONEYHILL1900_CAD_GIS\904_CEO1_WIP\02_SHEETS\60659192-ACM-01-00-DR-CE-10-0520.DWG

LEGEND:

PROPOSED PERMEABLE PAVING.....	
PROPOSED RAINWATER BUTTS.....	RWB
PROPOSED POROUS ASPHALT.....	
PROPOSED FILTER DRAIN WITH CATCHPIT.....	
PROPOSED GRASS CRETE.....	
PROPOSED OVERLAND FLOW SWALE SYSTEM.....	
PROPOSED POND AREAS.....	



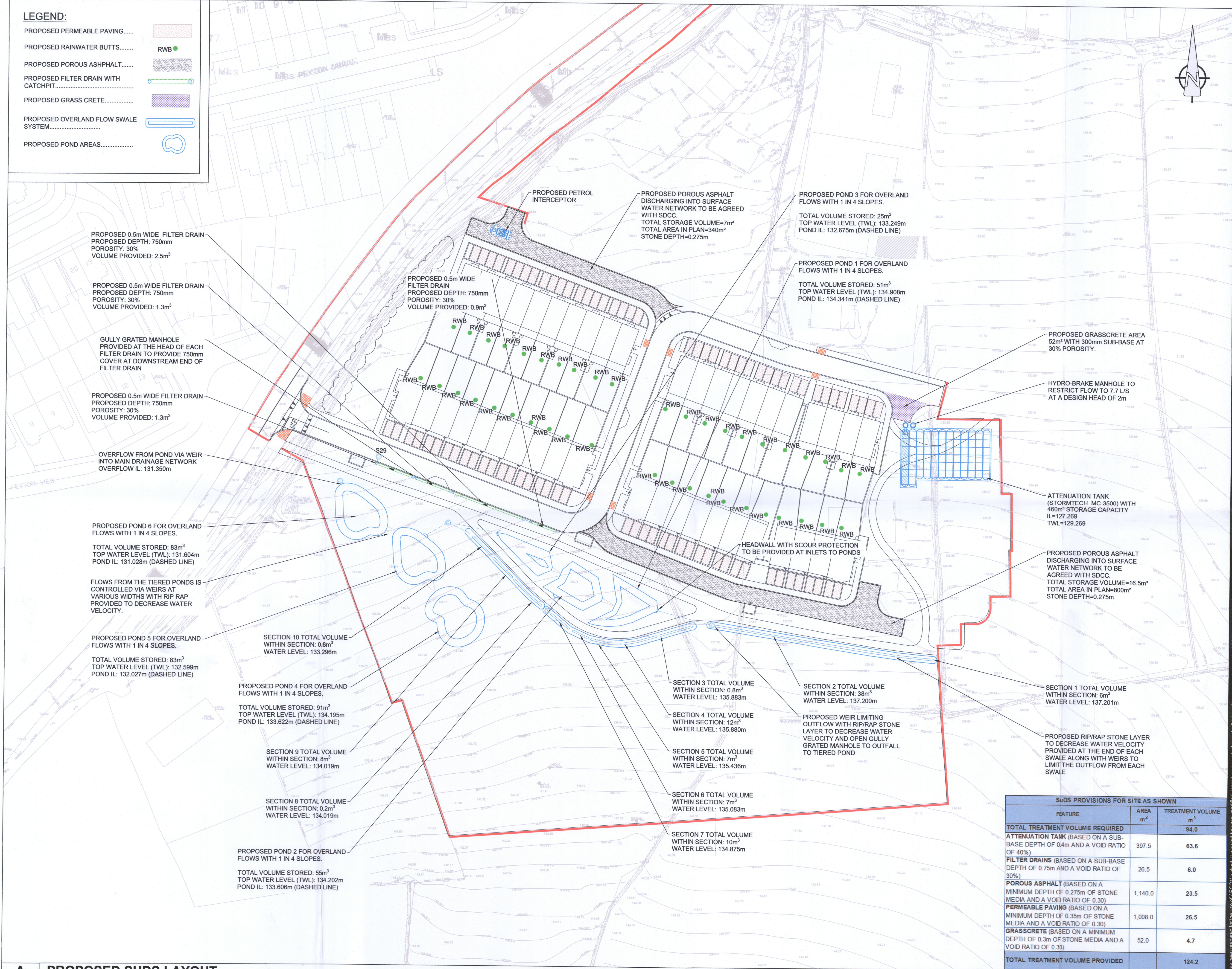
AECOM

PROJECT
 PROPOSED RESIDENTIAL DEVELOPMENT AT LANDS AT STONEY HILL ROAD, RATHCOOLE, Co. DUBLIN

CLIENT
 ROMEVILLE DEVELOPMENTS LTD.

CONSULTANT
 AECOM
 4th Floor Adelphi Plaza,
 George's Street Upper,
 Dun Laoghaire,
 Co Dublin
 Tel:+353 (0)1 696 6220
 www.aecom.com

- 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 9750mm) 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 STRATEGIC DRAINAGE STUDY AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
 - RAINWATER BUTTS TO BE INSTALLED AT THE BACK OF EACH PROPOSED DWELLING.
 - PROPOSED SUDS SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH C753, C768 AND SOUTH DUBLIN COUNTY COUNCIL'S SUDS CHECKLIST.
 - DRAWING TO BE READ IN CONJUNCTION WITH AECOM LANDSCAPE ARCHITECT DRAWINGS.
 - DRAWING TO BE READ IN CONJUNCTION WITH AECOM DRAINAGE DRAWINGS 60659192-ACM-01-00-DR-CE-10-0501
 - FOR DETAILS OF PROPOSED SUDS SYSTEMS PLEASE REFER TO DRAWING 60659192-ACM-01-00-DR-CE-10-0521



SUDS PROVISIONS FOR SITE AS SHOWN		
FEATURE	AREA m ²	TREATMENT VOLUME m ³
TOTAL TREATMENT VOLUME REQUIRED		94.0
ATTENUATION TANK (BASED ON A SUB-BASE DEPTH OF 0.4m AND A VOID RATIO OF 40%)	397.5	63.6
FILTER DRAINS (BASED ON A SUB-BASE DEPTH OF 0.75m AND A VOID RATIO OF 30%)	26.5	6.0
POROUS ASPHALT (BASED ON A MINIMUM DEPTH OF 0.275m OF STONE MEDIA AND A VOID RATIO OF 0.30)	1,140.0	23.5
PERMEABLE PAVING (BASED ON A MINIMUM DEPTH OF 0.35m OF STONE MEDIA AND A VOID RATIO OF 0.30)	1,008.0	26.5
GRASSCRETE (BASED ON A MINIMUM DEPTH OF 0.3m OF STONE MEDIA AND A VOID RATIO OF 0.30)	52.0	4.7
TOTAL TREATMENT VOLUME PROVIDED		124.2

A PROPOSED SUDS LAYOUT

0520 Scale: 1:500

ORDNANCE SURVEY IRELAND LICENCE NO CYAL50217544
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AECOM
PLANNING

ISSUE/REVISION		
NO	DATE	DESCRIPTION
1	14.04.2023	RFI RESPONSE
0	19.08.2022	PLANNING ISSUE
I/R		

PROJECT NUMBER
 60659192

SHEET TITLE
 PROPOSED SUDS LAYOUT

SHEET NUMBER
 60659192-ACM-01-00-DR-CE-10-0520