

ISO A1 594mm x 841mm  
 Approved: LS  
 Checked: MI  
 Drawn By: KM  
 Project Management Initials:  
 Last saved by: NEIL BYRNE (2022-08-16) Last Plotted: 2022-08-19  
 Filename: \\A.AECOM\NET\COM\LS\EM\AD\JBL\HED\B2\LEGACY\IED\B2\FP001\DATA\DCS\PROJECTS\CI60659192\_STONEYHILL\00\_CAD\_GIS\904\_CE01\_WP02\_SHEETS\60659192-ACM-01-00-DR-CE-10-0520.DWG



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

**CLIENT**  
 ROMEVILLE DEVELOPMENTS LTD.

**CONSULTANT**  
 AECOM  
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 George's Street Upper,  
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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 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 AECOM DRAWING 60659192-ACM-01-00-DR-CE-10-0521

**LEGEND:**

- PROPOSED PERMEABLE PAVING.....
- PROPOSED RAINWATER BUTTS.....
- PROPOSED POROUS ASPHALT.....
- PROPOSED POND.....
- PROPOSED FILTER DRAIN WITH CATCHPIT.....
- PROPOSED GRASS CRETE.....



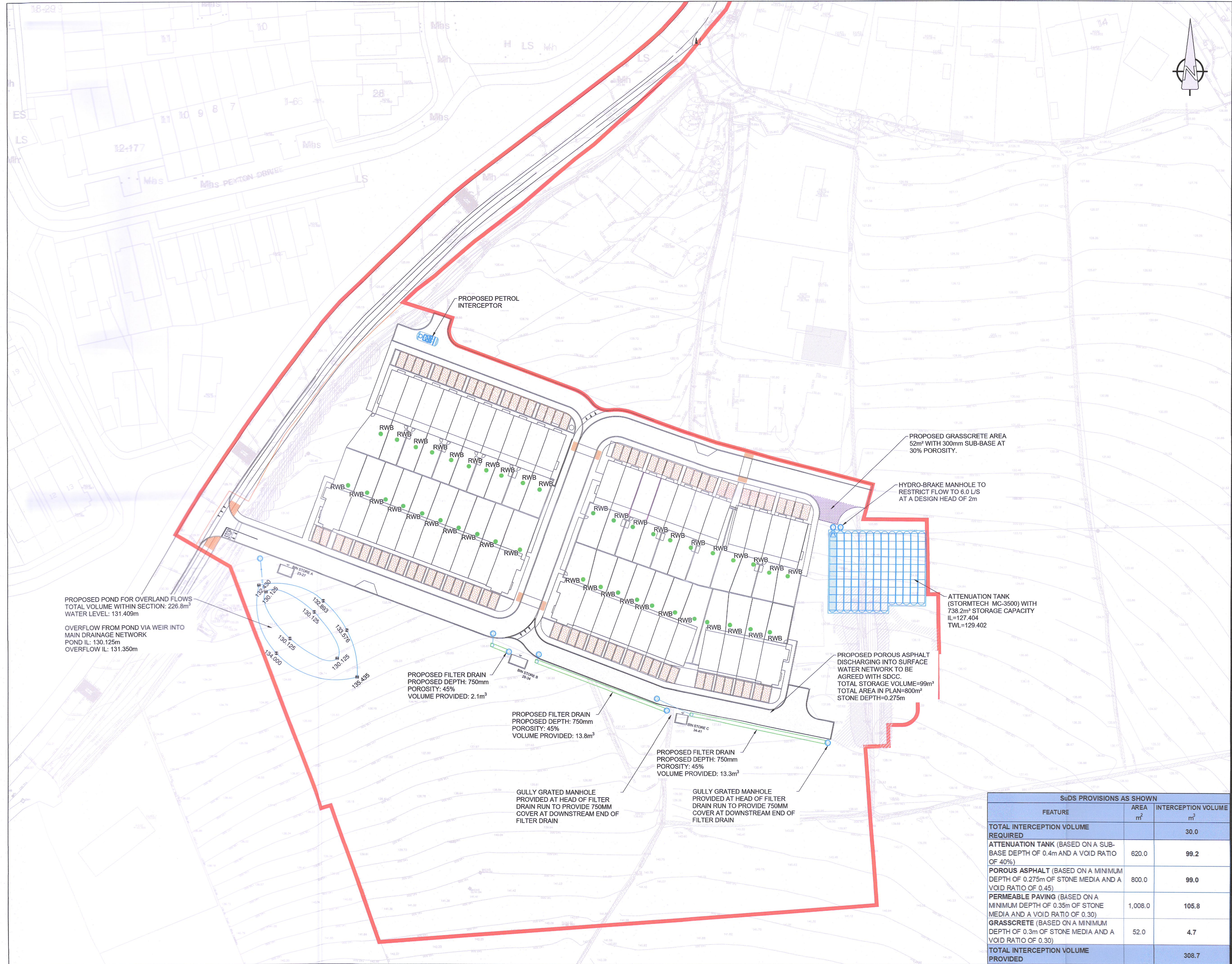
**ISSUE/REVISION**

NO	DATE	DESCRIPTION
0	26.08.2022	PLANNING ISSUE

**PROJECT NUMBER**  
 60659192

**SHEET TITLE**  
 PROPOSED SUDS LAYOUT

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



**SUDS PROVISIONS AS SHOWN**

FEATURE	AREA m <sup>2</sup>	INTERCEPTION VOLUME m <sup>3</sup>
<b>TOTAL INTERCEPTION VOLUME REQUIRED</b>		<b>30.0</b>
ATTENUATION TANK (BASED ON A SUB-BASE DEPTH OF 0.4m AND A VOID RATIO OF 40%)	620.0	99.2
POROUS ASPHALT (BASED ON A MINIMUM DEPTH OF 0.275m OF STONE MEDIA AND A VOID RATIO OF 0.45)	800.0	99.0
PERMEABLE PAVING (BASED ON A MINIMUM DEPTH OF 0.35m OF STONE MEDIA AND A VOID RATIO OF 0.30)	1,008.0	105.8
GRASSCRETE (BASED ON A MINIMUM DEPTH OF 0.3m OF STONE MEDIA AND A VOID RATIO OF 0.30)	52.0	4.7
<b>TOTAL INTERCEPTION VOLUME PROVIDED</b>		<b>308.7</b>

**A PROPOSED SUDS LAYOUT**

0520 Scale: 1:500

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