

PIPELINE

PERMEABLE PAVING-

60mm BAUDER DSE60-

30-50mm BEDDING LAYER -

SINGLE SIZED FILL MATERIAL

DRAINAGE LAYER

STRUCTURAL ROOF SLAB-

SAND BEDDING-

-200mm TOPSOIL TOPSOIL--SURFACE INSPECTION WELL PERMEABLE PAVING--200mm SOIL LAYER AS PER LANDSCAPE SINGLE SIZE ANGULAR SAND BEDDING ARCHITECT DETAILS STONE (40% VOID RATIO) -100mm GRAVEL SHINGLE DRAINAGE LAYER 340 mm SUB BASE - SINGLE-100mm Ø PERFORATED-TOWARDS PERFORATED 75mm MDPE PIPE SIZED FILL MATERIAL WRAPPED IN GEOTEXTILE SEPERATING 60mm BAUDER DSE60-MEMBRAME IMPERMEABLE GEOTEXTILE -DRAINAGE LAYER FABRIC TO BASE AND SIDES -STRUCTURAL ROOF SLAB STRUCTURAL ROOF SLAB-TYPICAL SWALE DETAIL 1:20

-200mm TOPSOIL

-SURFACE INSPECTION WELL

ARCHITECT DETAILS

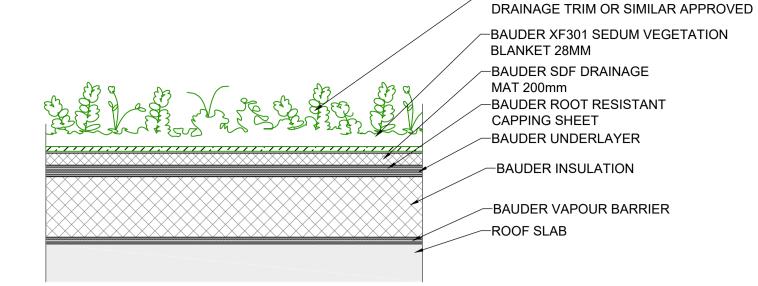
SEPERATING MEMBRAME

-STRUCTURAL ROOF SLAB

-200mm SOIL LAYER AS PER LANDSCAPE

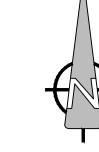
-100mm GRAVEL SHINGLE DRAINAGE LAYER TOWARDS PERFORATED 75mm

MDPE PIPE WRAPPED IN GEOTEXTILE

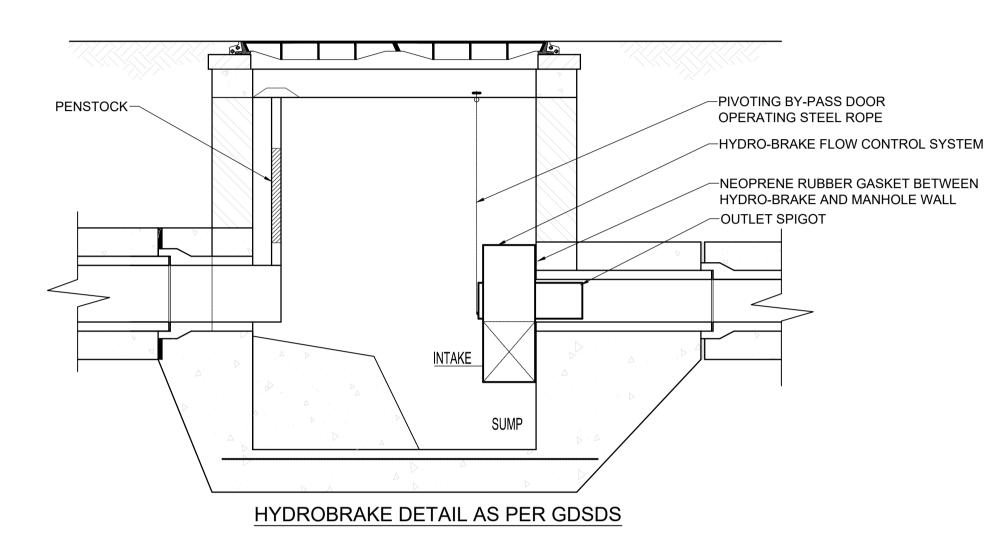




BAUDER AL40 EDGE RETENTION/



EXTENSIVE GREEN ROOF PLANTER 1:20



PROPOSED PERMEABLE PAVING TO ARCHITECT **DETAILS** LAYING COURSE MATERIAL (6mm AGGREGATE) PERMEABLE GEOTEXTILE FILTER - 350mm GRANULAR COURSE GRADED PERMEABLE CRUSHED ROCK - IMPERMEABLE MEMBRANE TO BASE AND SIDES OF POROUS PAVING □ 300mm CLASS 6F1/6F2 CAPPING BASED ┌ SUBGRADE CBR VALUE OF 10%, FROM SI.

ACCESSIBLE ROOF

PAVING

INTENSIVE GREEN ROOF

PERFORATED PIPE TO BE CAPPED.

- CLEANING ACCESS PIPE — LOW WALL (MATERIAL TBC) - 200 MM SANDY LOAM TOPSOIL -TRANSITION STONE DRAINAGE LAYER OR GEOTEXTILE -200MM CLEAN STONE (CL505 TYPE B) DRAINAGE LAYER WRAPPED IN NON WOVEN GEOTEXTILE. PERFORATED PIPE OUTLET POSITIVE DRAINAGE OUTFLOW PERFORATED PIPE TO ENGINEERS DETAIL **BIORETENTION PLANTER**

- TO BE LAID ON SUITABLE VIRGIN GROUND

TYPICAL PERMEABLE PAVING

PROPOSED SURFACE WATER DRAINAGE DETAILS

PROPOSED 150Ø PERFORATED -

SURFACE WATER NETWORK

PIPE TO DISCHARGE INTO

ORDNANCE SURVEY IRELAND LICENCE No. AR 0064220 ©ORDNANCE SURVEY IRELAND / GOVERNMENT OF IRELAND

PROJECT

PROPOSED STRATEGIC HOUSING DEVELOPMENT AT CARMANHALL ROAD, SANDYFORD INDUSTRIAL ESTATE, DUBLIN18

CLIENT

ATLAS GP LTD

CONSULTANT

AECOM

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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.

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

2. ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON

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. 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 124:2015. 8. GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN

9. EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE

COMMENCING CONSTRUCTION.

10. 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 1.ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE

WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY. 12.CCTV SURVEY TO BE CONDUCTED PRIOR TO COMMENCEMENT OF ANY WORKS TO DETERMINE THE CONDITION AND VERIFY LEVELS OF THE EXISTING FOUL AND SURFACE WATER PIPES/ MANHOLES. ANY SUB-STANDARD OR DEFECTIVE ELEMENTS OF THE EXISTING PIPES/MANHOLES TO BE REPORTED AND

CORRECTED. 13.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.

AECOM

ISSUE/REVISION

18.03.2021 STAGE 3 PLANNING ISSUE DATE DESCRIPTION

PROJECT NUMBER

60626107

SHEET TITLE

PROPOSED SURFACE WATER DRAINAGE DETAILS

SHEET NUMBER

PR461030-ACM-XX-00-DR-CE-10-0503

0503