

- 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 PROPOSED SURFACE WATER SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATION OF SECTION 3 OF "RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS" (DEPARTMENT OF ENVIRONMENT & LOCAL GOVERNMENT 1996) AND RIBS WATER STANDARD DETAILS.
  - 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. GULLY GRATING WITH IS EN 124 AND IS 1303 GRADE A TYPE AS SPECIFIED IN BS EN 124:2015 AND CLASS D400.
  - GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN 124:2015.
  - EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
  - 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 (D100mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C/500 HAUNCH IN ACCORDANCE WITH IS EN 12820.
  - ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF DUN LAOGHAIRE RATHCOWN COUNTY COUNCIL.
  - 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-STANDARDS OR DEFECTIVE ELEMENTS OF THE EXISTING PIPES/MANHOLES TO BE REPORTED AND CORRECTED.
  - ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.

MH Name	F F11-4	F11-3	F11-2	F11-1	F11-0
Hor Scale 1000					
Ver Scale 100					
Datum (m) 0.000					
PN	F11.004	F11.003	F11.002	F11.001	F11.000
Dia (mm)	450	450	450	450	450
Slope (1:X)	375.0	375.0	375.0	375.0	350.0
Cover Level (m)	6.000	5.580	5.740	5.700	6.260
Invert Level (m)	3.813	3.837	3.889	3.960	4.076
Length (m)	8.870	19.304	26.731	43.592	8.352



ISSUE/REVISION	DATE	DESCRIPTION
2	12.03.2020	ISSUED FOR APPROVAL
1	09.12.2019	ISSUED FOR INFORMATION
0	26.11.2019	ISSUED FOR INFORMATION

**PROJECT NUMBER**  
60588866

**SHEET TITLE**  
**PROPOSED WASTEWATER**  
**DRAINAGE - LONG SECTIONS**  
**SHEET 3 OF 3**

**SHEET NUMBER**  
PR354607-ACM-00-XX-DR-CE-10-0504

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