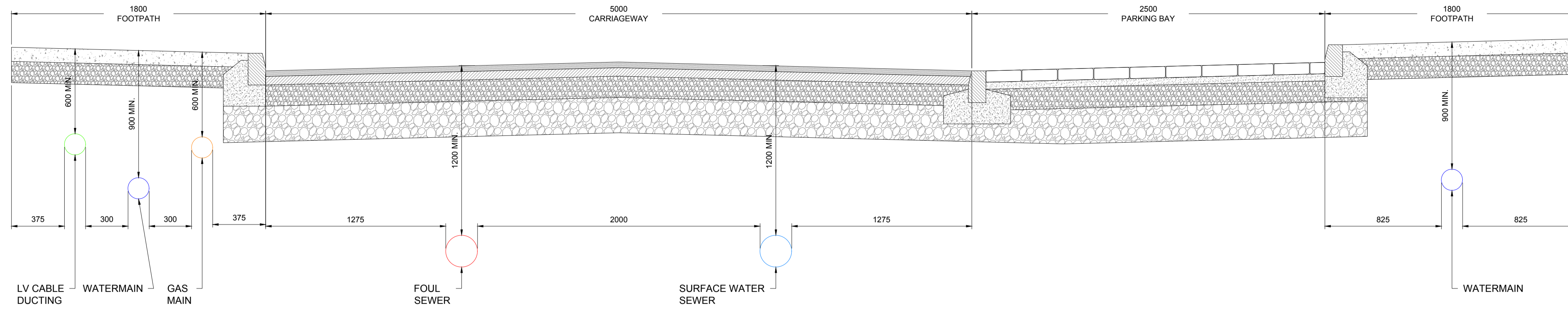
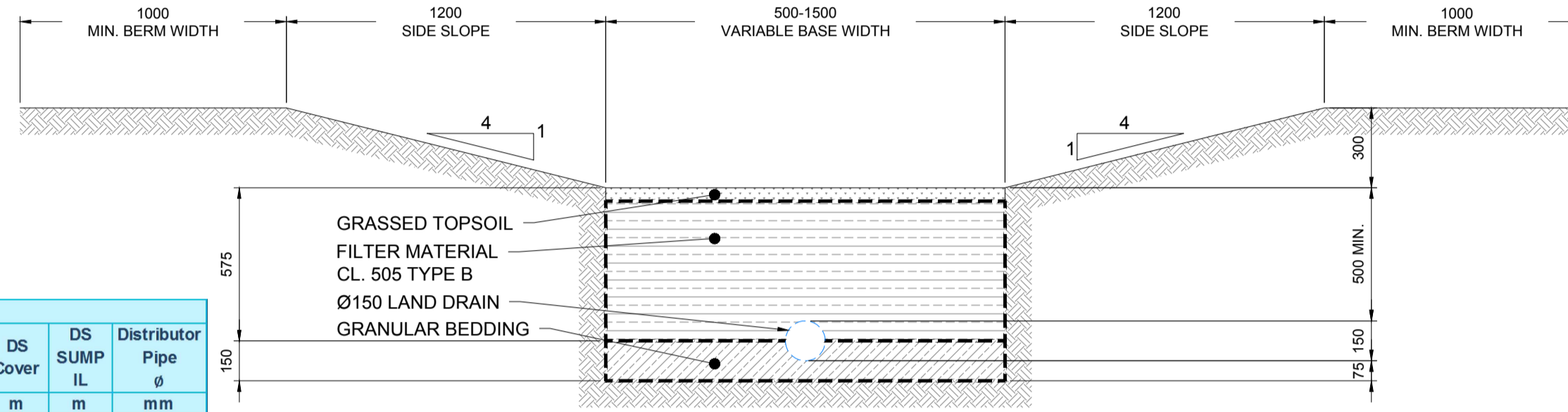


- NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
 - ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
 - AECOM 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 FOUL & 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 1998) AND IRISH WATER STANDARD DETAILS.
 - THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
 - MANHOLE COVERS IN PUBLICLY ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON OR HEAVY DUTY DUCTILE & LOCKABLE TYPE COMPLYING WITH GRADE A TYPE AS SPECIFIED IN I.S.261:1984.
 - GULLY GRATINGS & FRAMES SHALL COMPLY WITH I.S.261.
 - EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
 - SURFACE WATER & FOUL SEWER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE SHOULD BE PROTECTED FROM DAMAGE BY PROVIDING A 20N CONCRETE HAUNCH ENCASMENT NOT LESS THAN 100mm THICK & HAVING MOVEMENT JOINTS FORMED WITH COMPRESSIVE BOARD AT EACH SOCKET OR SLEEVE JOINT FACE.
 - ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF DUN LAOGHAIRE RATHDOWN 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-STANDARD OR DEFECTIVE ELEMENTS OF THE EXISTING PIPES/MANHOLES TO BE REPORTED AND CORRECTED.
 - 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.
 - ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.



**TYPICAL SECTION A-A
 THROUGH ACCESS ROAD SHOWING UTILITIES
 SCALE 1:20**



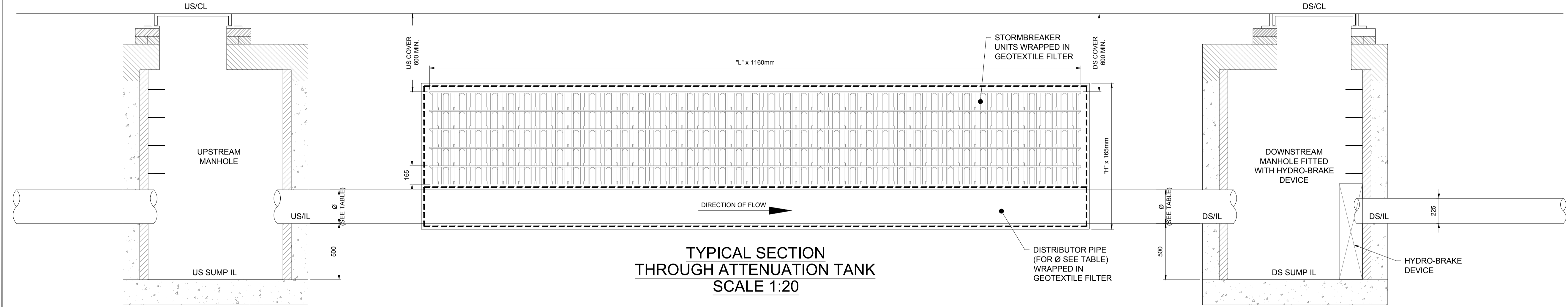
**TYPICAL SECTION B-B
 THROUGH SWALE
 SCALE 1:20**

Tank No.	Length		Width		Height		US/CL	US/IL	US Cover	US SUMP IL	DS/CL	DS/IL	DS Cover	DS SUMP IL	Distributor Pipe ø			
	Unit Length	Total Length	Unit Width	Total Width	Unit Height	Total Height												
Tank #1	11	1.160	12.760	16	0.580	9.280	7	0.165	1.155	32.594	30.055	1.384	29.555	31.783	29.976	0.652	29.476	450
Tank #2	8	1.160	9.280	11	0.580	6.380	4	0.165	0.660	31.500	30.240	0.600	29.740	31.500	30.145	0.695	29.645	225
Tank #3	10	1.160	11.600	9	0.580	5.220	4	0.165	0.660	31.500	30.240	0.600	29.740	31.500	30.159	0.681	29.659	225
Tank #4	4	1.160	4.640	12	0.580	6.960	6	0.165	0.990	31.500	29.910	0.600	29.410	31.500	29.861	0.649	29.361	225
Tank #5	14	1.160	16.240	10	0.580	5.800	7	0.165	1.155	31.476	29.635	0.686	29.135	31.385	29.544	0.686	29.044	300

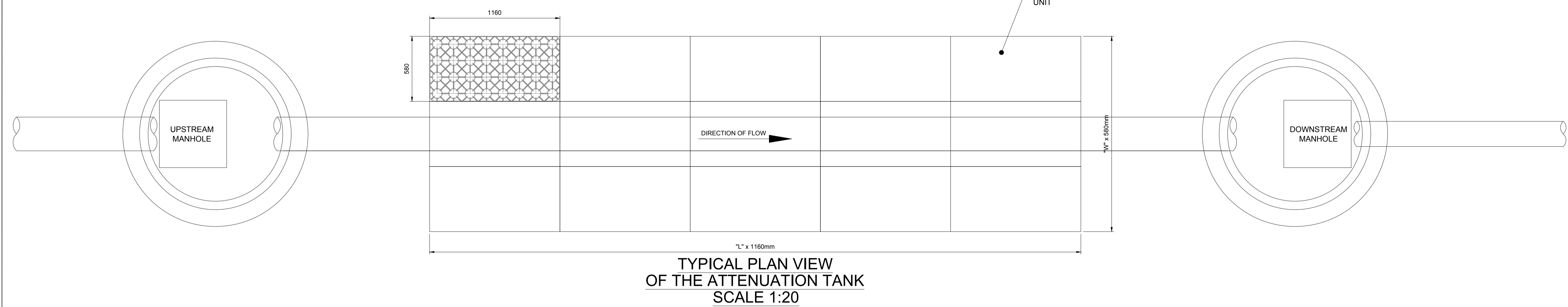
Minimum Cover Depths over top of Stormbreaker™ Unit	
Location	Minimum Cover Depth (m)
Non trafficked areas, e.g. landscaping	0.5
Car Parks, vehicle up to 2500kg gross mass	0.6
Roadways (30/30, 60/30 or main road) ⁽¹⁾	0.6

1) DIN 1072 Classification for road loadings

REFER TO APPENDIX F OF THE INFRASTRUCTURE REPORT FOR THE NSAI AGREEMENT CERTIFICATE OF THE STORMBREAKER ATTENUATION SYSTEM INCLUDING MINIMUM COVER DEPTH REQUIREMENTS.



**TYPICAL SECTION THROUGH ATTENUATION TANK
 SCALE 1:20**



**TYPICAL PLAN VIEW OF THE ATTENUATION TANK
 SCALE 1:20**

ISSUE/REVISION		
I/R	DATE	DESCRIPTION
B	21.02.2018	ISSUED FOR PLANNING
A	JAN 2018	ISSUED FOR COMMENT

KEY PLAN

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