

NEW SURFACE WATER MANHOLE SCHEDULE			
Ref	COVER LEVEL (m)	INVERT LEVEL (m)	COVER TO PIPE (m)
S01	16.900	16.889	1.54
S02	16.900	16.890	0.94

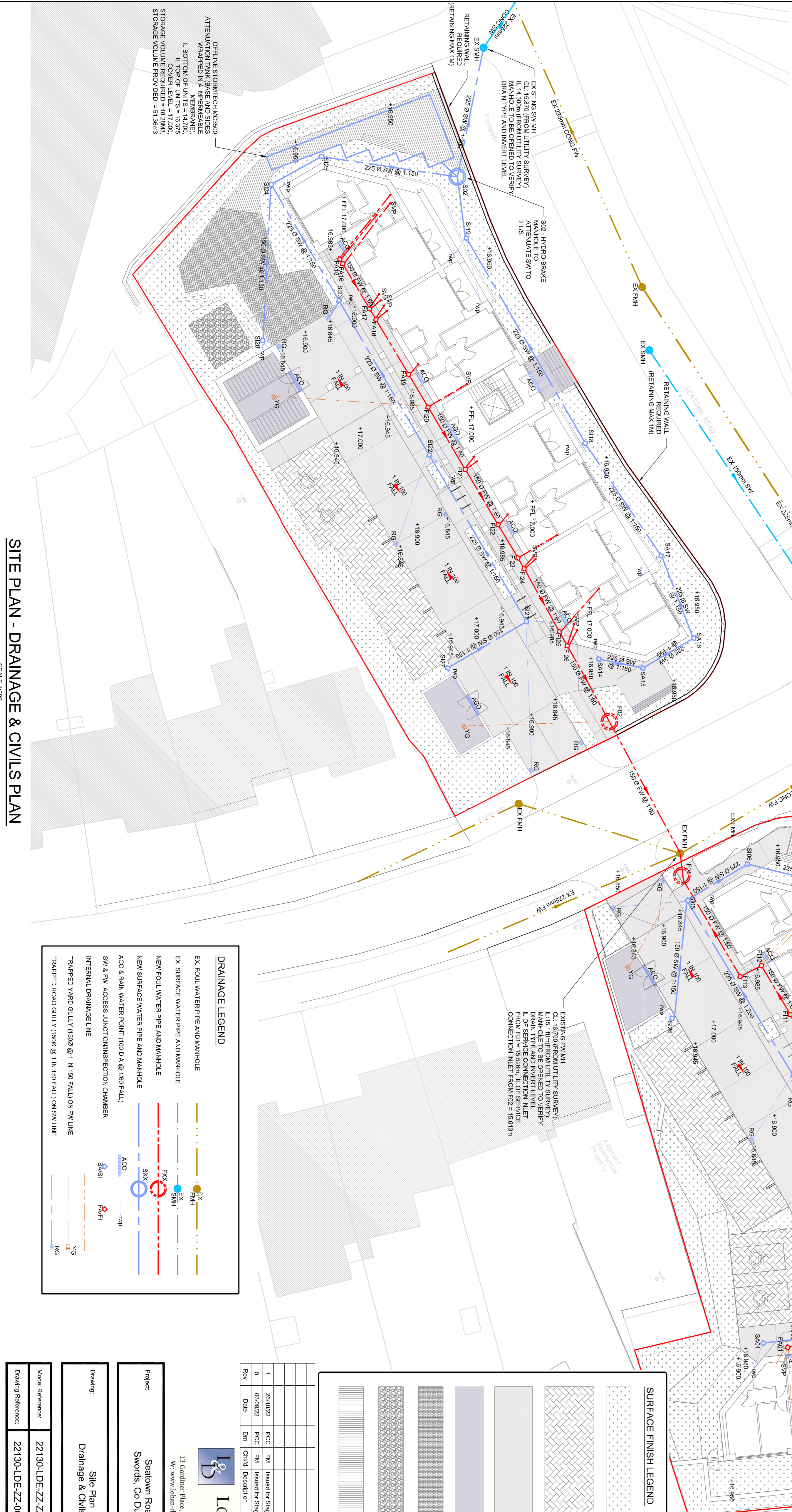
  

NEW FOLI WATER MANHOLE SCHEDULE			
Ref	COVER LEVEL (m)	INVERT LEVEL (m)	COVER TO PIPE (m)
F01	16.950	16.836	1.54
F02	16.950	16.836	0.94

NEW FOLI SEWER ALC SCHEDULE			
Ref	COVER LEVEL (m)	INVERT LEVEL (m)	COVER TO PIPE (m)
SA01	16.920	16.890	0.36
SA02	16.920	16.890	0.36
SA03	16.920	16.890	0.36
SA04	16.920	16.890	0.36
SA05	16.920	16.890	0.36
SA06	16.920	16.890	0.36
SA07	16.920	16.890	0.36
SA08	16.920	16.890	0.36
SA09	16.920	16.890	0.36
SA10	16.920	16.890	0.36
SA11	16.920	16.890	0.36
SA12	16.920	16.890	0.36
SA13	16.920	16.890	0.36
SA14	16.920	16.890	0.36
SA15	16.920	16.890	0.36
SA16	16.920	16.890	0.36
SA17	16.920	16.890	0.36
SA18	16.920	16.890	0.36
SA19	16.920	16.890	0.36
SA20	16.920	16.890	0.36
SA21	16.920	16.890	0.36
SA22	16.920	16.890	0.36
SA23	16.920	16.890	0.36
SA24	16.920	16.890	0.36
SA25	16.920	16.890	0.36
SA26	16.920	16.890	0.36
SA27	16.920	16.890	0.36
SA28	16.920	16.890	0.36

**STORMWATER ATTENUATION & SUDS:**  
 SEDIMENT SURFACE FINISH TO ROOF AREAS ALLOWS FOR INTERCEPTION STORAGE TO 100% OF THE ROOF AREA PERMEABLE PAVING AND VEGETATION FINISH TO THE EXTERNAL AREAS ALLOWS FOR INFILTRATION OF SURFACE WATER INTO THE PERMEABLE PAVING TO CAR SPACES TO TREAT HYDRO CARBONS.  
 HYDRO-BRAKE MANHOLE LOCATED AT THE BOUNDARY OF EACH SITE TO 21US. STORMTECH UNITS TO PROVIDE THE REQUIRED ATTENUATION STORAGE.  
 ALL ATTENUATION STORAGE IS DESIGNED FOR THE 60-YEAR STORM RETURN EVENT WITH 20% INCREASE IN ATTENUATION VOLUME FOR CLIMATE CHANGE.

OFFLINE STORMTECH MC3500 ATTENUATION TANK (BASE IMPERMEABLE MEMBRANE)			
Ref	COVER LEVEL (m)	INVERT LEVEL (m)	COVER TO PIPE (m)
FA01	16.950	16.824	0.79
FA02	16.950	16.824	0.32
FA03	16.950	16.824	0.14
FA04	16.950	16.824	0.14
FA05	16.950	16.824	0.14
FA06	16.950	16.824	0.14
FA07	16.950	16.824	0.14
FA08	16.950	16.824	0.14
FA09	16.950	16.824	0.14
FA10	16.950	16.824	0.14
FA11	16.950	16.824	0.14
FA12	16.950	16.824	0.14
FA13	16.950	16.824	0.14
FA14	16.950	16.824	0.14
FA15	16.950	16.824	0.14
FA16	16.950	16.824	0.14
FA17	16.950	16.824	0.14
FA18	16.950	16.824	0.14
FA19	16.950	16.824	0.14
FA20	16.950	16.824	0.14
FA21	16.950	16.824	0.14
FA22	16.950	16.824	0.14
FA23	16.950	16.824	0.14
FA24	16.950	16.824	0.14
FA25	16.950	16.824	0.14
FA26	16.950	16.824	0.14
FA27	16.950	16.824	0.14
FA28	16.950	16.824	0.14



**SITE PLAN - DRAINAGE & CIVILS PLAN**  
 SCALE 1:200

**DRAINAGE LEGEND**

- EX FOLI WATER PIPE AND MANHOLE
- EX SURFACE WATER PIPE AND MANHOLE
- NEW FOLI WATER PIPE AND MANHOLE
- NEW SURFACE WATER PIPE AND MANHOLE
- ACO & RAIN WATER POINT (100 DIA @ 150 FALL)
- SW & FW ACCESS JUNCTION/INSPECTION CHAMBER
- INTERNAL DRAINAGE LINE
- TRAPPED YARD GULLY (150 Ø @ 1 IN 150 FALL) ON SW LINE
- TRAPPED ROAD GULLY (150 Ø @ 1 IN 150 FALL) ON SW LINE

**SITE BOUNDARY LEGEND**

- SITE BOUNDARY

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Project: **Seawoon Road Swords, Co Dublin**

Drawing: **Drainage & Civils Plan**

Scale: **@A1** Date: **Sept 2022**

Model Reference: **22130-LDE-ZZ-M2-SC-0001**

Model Rev: **0**

Drawing Reference: **22130-LDE-ZZ-00-DR-SC-1001**

Model Rev: **0**

Scale: **S2**

**SURFACE FINISH LEGEND**

- PERMEABLE PAVING TO TRAFFICWAYS: 80mm AQUAR GW CONC AGGREGATE ON NIBTEX GEOTEXTILE ON 100mm DEEP 25mm SUB-BASE STONE LAYER OR SO INTERLOCK ON NIBTEX WITH PROVISIONAL SINGLE LAYER OF SO INTERLOCK ON NIBTEX AGGREGATE ON NIBTEX GEOTEXTILE ON 100mm DEEP 25mm SUB-BASE STONE LAYER OR SO INTERLOCK ON NIBTEX AGGREGATE WITH MANUFACTURERS SPECIFICATIONS
- 200mm THICK 4000x4000x100 CONCRETE ROAD SLAB WITH A MESH ON 50mm SAND BINDER ON MIN 225mm COMPACTED EXPANSION JOINTS TO BE PROVIDED AT THE REQUIRED CENTERS. SWM CONCRETE & EXPOSURE CLASS 4.
- EXPOSED OR COURSE IN-SITU FINISH TO ROOFED BIN STORES. EXPOSED OR COURSE IN-SITU FINISH TO ROOFED BIN STORES. 0.075mm SAND BINDER ON MIN 225mm COMPACTED GRANULAR FILL COMPACTED TO THE ROAD SPECIFICATION.
- GRASS/VEGETATION SURFACE
- IMPACT ABSORBING PLAY SAFETY SURFACE
- SLIP RESISTANT GRAVEL
- TIMBER DECK WITH SLIP RESISTANT INSERTS

**GENERAL NOTES:**  
 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DETAIL DRAWINGS AND SPECIFICATIONS.  
 DO NOT SCALE DIMENSIONS. REFER TO FOLIOED DIMENSIONS FOR ALL SETTING OUT DIMENSIONS. WORK TO FOLIOED DIMENSIONS ONLY.  
 THE ENGINEER IS TO BE AFFORDED SUFFICIENT TIME TO CARRY OUT INSPECTION OF THE WORKS IN ACCORDANCE WITH THE PROJECT INSPECTION PLAN AND INSPECTION NOTIFICATION FRAMEWORK.  
 ALL CONSTRUCTION PRODUCTS TO HAVE RELEVANT CE MARKING WHERE APPLICABLE.  
 ALL CONTRACTORS OR SUB-CONTRACTORS RESPONSIBLE FOR SPECIALIST DESIGN MUST PROVIDE PROFESSIONAL INDEPENDENT INSURANCES, ANCLARY CERTIFICATES FOR DESIGN AND ANCLARY CERTIFICATES FOR INSPECTION IN ACCORDANCE WITH BOAR 2014.  
**GRANULAR MATERIAL**  
 ALL GRANULAR FILL PLACED ON SITE MUST COMPLY WITH BS21:2014 + A1:2010 AND BS882:2016.  
 ALL GRANULAR FILL MUST BE ROLLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATION FOR ROADWORKS.  
 THE CONTRACTOR MUST PROVIDE CERTIFICATES AND DELIVERY DOCKETS FOR ALL GRANULAR FILL MATERIAL PLACED ON SITE AND ALL MATERIAL PLACED DISPERSED OFF SITE.  
**DRAINAGE**  
 ALL DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH BS 5395:2010 AND BS 5396:2010.  
 ALL WORKS TO BE TO THE IWS SPEC AND INCLUDING 3000 TO 15:13 ON GRANULAR BED AND SURROUND LAD STRICTLY TO MANUFACTURERS INSTRUCTIONS.  
 ALL MANHOLES COVERS AND FRAME ARE TO BE CLASS B125 & D400 TO BS EN 124 UN 03.  
 INSPECTION CHAMBERS ARE TO BE CONSTRUCTED IN ACCORDANCE TO RISH WATERBURY STANDARD DETAILS DRAWING STD-WM-13.  
 SEWER PIPE LINES TO BE TO IWS SPEC AND INCLUDING 3000 TO 15:13 ON GRANULAR BED AND SURROUND LAD STRICTLY TO MANUFACTURERS INSTRUCTIONS.