

**SURFACE WATER
MANHOLE SCHEDULE**

REF.	COVER LEVEL	INVERT LEVEL
OUTFALL	93.500	91.435
S1	93.600	90.953
P.1.	93.850	91.469
S2	94.100	91.160
S3	94.100	91.276
S4	94.060	91.606
S5	93.988	91.642
S6	94.347	91.793
S7	94.286	91.823
S8	94.361	91.868
S9	94.596	91.997
S10	94.782	92.160
S11	94.558	92.259
AJ12	94.666	93.781
AJ13	94.730	93.798
CP14	94.600	93.737
CP15	94.600	93.850
S16	94.954	92.199
S17	95.501	92.306
AJ18	94.980	94.027
CP19	94.850	93.990
CP20	95.075	94.123
AJ21	94.730	93.751
CP22	94.600	93.896
CP23	94.600	93.850
AJ24	94.580	93.564
CP25	94.450	93.522
CP26	94.450	93.700
AJ27	94.430	93.499
AJ28	94.430	93.507
CP29	94.300	93.442
CP30	94.300	93.550
S31	93.900	91.641
S32	93.898	91.672
S33	93.922	91.705
S34	93.801	91.815
S35	93.757	91.846
S36	93.809	91.876
S37	93.910	91.941
S38	93.881	91.963
S39	93.872	92.012
S40	93.839	92.041
S41	93.840	92.061
S42	93.947	92.111
S43	93.945	92.171
S44	93.831	92.431
S45	94.093	92.533
S46	94.437	92.653
AJ47	94.280	93.355
CP48	94.150	93.288
CP49	94.150	93.400
CP50	94.375	93.552
S51	93.851	92.451
CP52	94.375	92.827
CP53	94.375	93.117
CP54	94.375	93.469
CP55	94.600	93.850
CP56	93.695	92.412
CP57	93.695	92.923
CP58	93.695	93.014
CP59	93.695	93.145
S60	93.878	91.680
S61	93.849	91.795
S62	93.641	92.148
S63	93.864	92.188
S64	94.008	92.236
S65	93.911	92.230
CP66	93.910	92.322
CP67	94.150	93.160
CP68	94.150	93.400
CP69	93.885	92.367
CP70	94.335	93.135
CP71	94.335	93.585
AJ72	94.180	93.170
AJ73	94.130	93.191
CP74	94.000	93.129
CP75	94.050	93.262
CP76	94.000	93.250
S77	94.233	91.866
AJ78	94.280	93.321
AJ79	94.280	93.320
CP80	94.150	93.256
CP81	94.150	93.400



NOTE: WHERE FOUL SEWERS OR SURFACE WATER PIPES CROSS OVER THE EXISTING WATERMAIN, THEY SHALL CROSS AT RIGHT ANGLES TO THE EXISTING WATERMAIN AND SHALL BE LOCATED MIDWAY BETWEEN THE WATERMAIN JOINTS. THERE SHALL BE A MINIMUM OF 500mm VERTICAL SEPARATION DISTANCE BETWEEN THE TOP OF EXISTING WATERMAIN AND UNDERSIDE OF FOUL / SURFACE WATER PIPE AT THE CROSSING POINT.

REFER TO DRAWINGS 21003-TJOC-ZZ-ZZ-DR-C-0065 & 21003-TJOC-ZZ-ZZ-DR-C-0066 FOR PIPE SIZES AND FALLS AND DRAWINGS 21003-TJOC-ZZ-ZZ-DR-C-0071 & 21003-TJOC-ZZ-ZZ-DR-C-0072 FOR STORMTECH SURFACE WATER ATTENUATION DETAILS.

NOTE: WHERE FOUL SEWERS OR SURFACE WATER PIPES CROSS OVER THE EXISTING WATERMAIN, THEY SHALL CROSS AT RIGHT ANGLES TO THE EXISTING WATERMAIN AND SHALL BE LOCATED MIDWAY BETWEEN THE WATERMAIN JOINTS. THERE SHALL BE A MINIMUM OF 500mm VERTICAL SEPARATION DISTANCE BETWEEN THE TOP OF EXISTING WATERMAIN AND UNDERSIDE OF FOUL / SURFACE WATER PIPE AT THE CROSSING POINT.

LEGEND

- REFER TO ARCHITECTS DRAWINGS FOR SITE BOUNDARY LINE
- OUTLINE OF WAYLEAVE FOR EXISTING 4000 WATERMAIN
- PROPOSED SURFACE WATER SEWER
- PROPOSED FILTER DRAIN

NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS.
- ALL LEVELS ARE IN METRES O.D. MALIN HEAD.
- THE POSITION AND LEVELS OF EXISTING SERVICES INsofar as THEY ARE KNOWN AND AS SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE AND MERELY INDICATE THEIR PRESENCE IN THE WORKING AREA. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING SERVICES ON SITE.
- THE SURVEY INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM A TOPOGRAPHICAL SURVEY UNDERTAKEN BY MURPHY GEOSPATIAL IN MAY 2021, DRAWING REFERENCE MGL1890_T_ITM_Rev2.
- FOR DETAILS OF LONGITUDINAL SECTIONS REFER TO DRG. No. 21003-TJOC-ZZ-ZZ-DR-C-0065, 21003-TJOC-ZZ-ZZ-DR-C-0069 & 21003-TJOC-ZZ-ZZ-DR-C-0070.
- FOR DETAILS OF MANHOLES REFER TO DRG. No. 21003-TJOC-ZZ-ZZ-DR-C-0076 & 21003-TJOC-ZZ-ZZ-DR-C-0077.
- FOR DETAILS OF BEDDING REFER TO DRG. No. 21003-TJOC-ZZ-ZZ-DR-C-0074.
- FOR DETAILS OF BUILDING DRAINAGE CONNECTIONS REFER TO ARCHITECTS AND M/E DRAWINGS
- ALL PIPEWORK IS 150mmØ UNLESS OTHERWISE NOTED.
- WHERE EXCAVATIONS FOR DRAINAGE ENCOACH ON THE BEARING FOR FOUNDATIONS (I.E. PIPE IS BELOW FOUNDATION OR BELOW 45° LINE EXTENDING OUT AND DOWN FROM THE BOTTOM OF THE FOUNDATION), SUCH EXCAVATIONS SHALL BE BACKFILLED IN LEAN MIX CONCRETE TO FORMATION LEVEL OF FOUNDATIONS. NEW FOUNDATIONS WILL BE INSTALLED AT A DEPTH TO SUIT THE PROPOSED NEW DRAINAGE.
- PIPE BEDDING AND BACKFILL SHALL BE AS PER DRAWING 21003-TJOC-ZZ-ZZ-DR-C-0074 WITH CLASS E BEDDING FOR FLEXIBLE PIPE (UPVC AND THERMOPLASTIC STRUCTURED PIPE) AND CLASS B BEDDING FOR RIGID PIPE (CONCRETE). BACKFILLS OF TRENCHES ABOVE PIPE BED AND SURROUND SHALL BE CLASS B4 MATERIAL WHERE TRENCHES ARE BENEATH ROADS. UNLESS SITUATION IS AS PER NOTE 10 ABOVE, WHERE PIPES ARE Laid UNDER SLABS AND CONCRETE SURFACES, THE TRENCHES SHALL BE BACKFILLED WITH HARD CORE COMPLYING WITH THE REQUIREMENTS OF SR21 AND IS EN 13242.
- SURFACE WATER SEWERS WITH A DIAMETER OF 150mm AND 225mm SHALL BE UPVC. ALL SURFACE WATER SEWERS WITH A DIAMETER OF 300mm AND GREATER SHALL BE CONCRETE PIPES UNLESS NOTED OTHERWISE. REFER TO LONG SECTIONS FOR SPECIFIED PIPE MATERIAL.
- WHERE AN UNDERGROUND PIPE IS BUILT INTO A STRUCTURE THERE SHALL BE TWO FLEXIBLE JOINTS ADJACENT TO THE STRUCTURE. THE FIRST SHALL BE NOT MORE THAN ONE PIPE DIAMETER FROM THE OUTSIDE FACE OF THE STRUCTURE. THE LENGTH OF THE NEXT PIPE (ROCKER PIPE) SHALL NOT EXCEED 750mm FOR PIPES UP TO 4500.
- SETTING OUT OF ALL SVPs AND RWP's TO ARCHITECTS DETAILS.
- DRAINAGE TO LANDSCAPED AND NON CARREGWAY PAVED AREAS BY LANDSCAPE ARCHITECTS.
- ALL MANHOLES TO BE SET OUT ON SITE AND CO-ORDINATED WITH PROPOSED AND EXISTING SERVICES PRIOR TO CONSTRUCTION.
- COVER LEVEL TO BE CO-ORDINATED WITH PROPOSED LANDSCAPING LEVELS.
- ALL MANHOLE COVERS IN TRAFFICKED AREAS TO BE A MINIMUM OF CLASS D400 SOLID TOP COVERS. RECESSED COVERS TO BE PROVIDED IN PAVED LANDSCAPED AREAS.

C01	AP	ISSUED FOR PLANNING	18.11.2021
REV	STAT	DESCRIPTION	DATE

DRAWING STATUS: ISSUED FOR PLANNING

CHECKED BY: RON REVIEWED BY: JM APPROVED BY: JM

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TJ O'CONNOR & ASSOCIATES
CONSULTING ENGINEERS

CORRIG HOUSE, CORRIG ROAD, SANDYFORD, DUBLIN 18.
Tel: 01-295 2321 Fax: 01-295 4541 Email: tjoc@tjoc.ie Web: www.tjoc.ie

PROJECT:	PROPOSED RESIDENTIAL DEVELOPMENT AT GORDON PARK
CLIENT:	GREENWALK DEVELOPMENT LTD.
DRAWING TITLE:	PROPOSED SURFACE WATER LAYOUT OVERALL PLAN
SCALE:	1:500 (A1)
PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER	21003-TJOC-ZZ-ZZ-DR-C-0064
REV:	C01