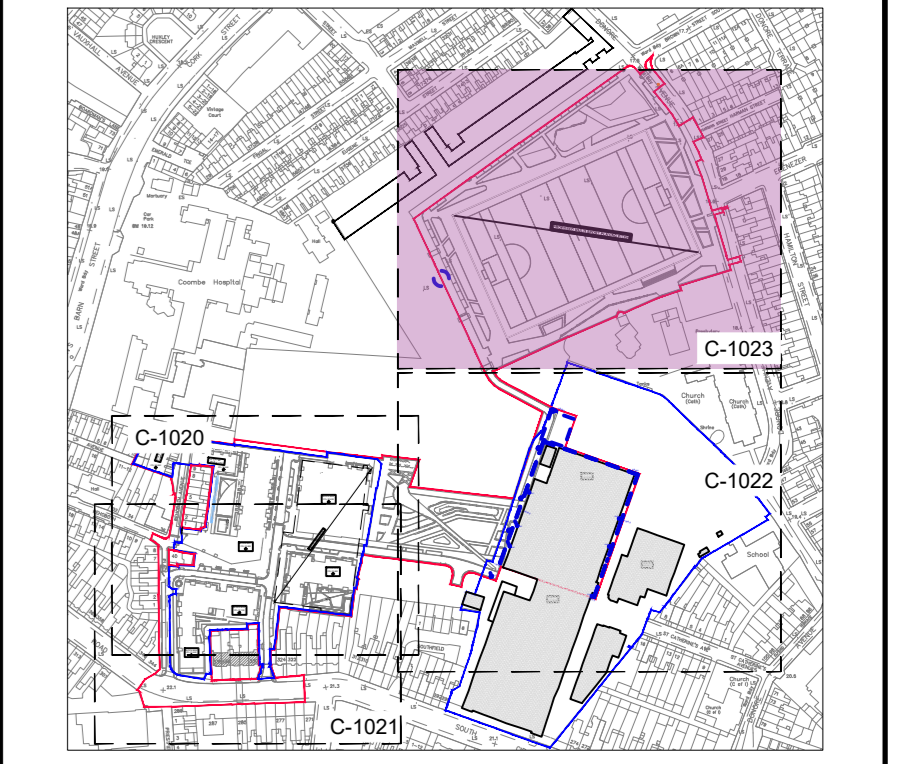


NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK.
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.



KEY PLAN
SCALE @ A0: 1:5000
SCALE @ A2: 1:10000

CIVIL LEGEND

- NEW FOUL MANHOLE (F)
- NEW FOUL PIPE (PIPE DESCRIPTION)
- EX. SURFACE WATER MANHOLE (Ex.S)
- EX. SURFACE WATER PIPE (PIPE DESCRIPTION)
- NEW SURFACE WATER MANHOLE (S)
- NEW SURFACE WATER PIPE (PIPE DESCRIPTION)
- EX. COMBINED MANHOLE (Ex.C)
- EX. COMBINED PIPE (PIPE DESCRIPTION)
- NEW RISING MAN (PIPE DESCRIPTION)
- DECOMMISSIONED LINE (PIPE DESCRIPTION)
- FOUL INSPECTION CHAMBER (IC)
- SURFACE ACCESS JANCTION (AJ)
- RAINWATER PIPE (RWP)
- SOIL VENT PIPE (SVP)
- ROAD GULLY (RG)
- SURFACE RIDDING EYE (RE)
- GULLEY TRAP (GT)
- NEW SIDE INLET KERB GULLY (K)
- PAVEMENT GULLY (PG)
- DRAINAGE CHANNEL (CH)
- PROPOSED INSPECTION OPENING (IO)
- 150mmØ PERFORATED uPVC CONVEYANCE PIPE BENEATH BASE OF TREE PIT (TP)
- NEW TREE PIT (TP)
- SILT TRAP MANHOLE (ST)
- EXISTING BUILDING (B)
- BAILEY GIBSON SITE BOUNDARY (BG)
- OWNERSHIP LINE (OL)
- BASEMENT OUTLINE (BO)

DRAINAGE NOTES

- SURFACE WATER DRAINS TO BE AS SPECIFIED ON DRAWING BGL-BMD-ZZ-00-DR-C-1020-1022
- FOUL DRAINS TO BE UNFACED PVC PIPES TO IS EN 1401 2009/2012 CLASS S8 IN LINE WITH THE REQUIREMENTS OF IRISH WATER CODE OF PRACTICE FOR WASTEWATER.
- PIPE DIAMETERS SHOWN ON DRAINAGE LAYOUTS ARE REQUIRED MINIMUM INTERNAL DIAMETERS (MM)
- ALL DRAINS WITH COVER LESS THAN 0.5M IN GARDENS/PATHWAYS AND 1.0M UNDER ROADS TO BE BEDDED & SURROUNDED IN C1500 CONCRETE AS PER BIMC DRAWING BGL-BMD-ZZ-DR-C-1220 & 1222 AND SPECIFICATIONS.
- DUBLIN CITY COUNCIL SURFACE WATER MANHOLES (LOCATED UNDER ALL ROADS) TO BE HIGH DENSITY BLOCKWORK TO BS 20 PART 1:87 OR CAST IN SITU CLASS 30N/20MM IN LINE WITH THE GREATER DUBLIN REGION (GDR) CODE OF PRACTICE FOR DRAINAGE. REFER TO SUPPORTING DOCUMENTATION AND BIMC DRAWING BGL-BMD-ZZ-DR-C-1220 & 1222. ALL MANHOLES TO BE WATERTIGHT STRUCTURES.
- ALL FOUL DRAINAGE & WATERMANS OUTSIDE THE BUILDING FOOTPRINT TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER DETAILS & CODES OF PRACTICE.
- INSPECTION CHAMBERS (IC) TO BE POLYPROPYLENE 0.8M INTERNAL DIAMETER, MAXIMUM OF 1.0M DEEP, 150MM THICK C18/20 CONCRETE BED AND SURROUND.
- SILT TRAP MANHOLES (ST) TO BE CAST IN SITU CONCRETE CL 30N/20MM IN LINE WITH THE GREATER DUBLIN REGION (GDR) CODE OF PRACTICE FOR DRAINAGE. PIT TO BE 0.5M DEEP (BELOW OUTLET INVERT LEVEL).
- TREE FITS (TF) TO BE PROPRIETARY UNITS. REFER TO BIMC DRAWING BGL-BMD-ZZ-DR-C-1221. INSPECTION OPENINGS (IO) ADJACENT TO TREE FITS TO BE DUCTILE IRON COVERS/FRAMES, MIN CLASS D400 TO BS EN 124 2:2015.
- MANHOLE COVERS IN TRAFFICKED AREAS TO BE MIN CLASS D400 TO BS EN 124 2:2015 DUCTILE IRON COVERS/FRAMES. ALL OTHER AREAS TO BE MIN CLASS C250 MANHOLE COVERS IN CARRIAGEWAYS TO HAVE POLYESTER RESIN BEDDING MATERIAL FOR FODD MANHOLE FRAMES AS PER BIMC CIVIL SPECIFICATION.
- ROAD GULLIES TO BE CONSTRUCTED OF 215MM ENGINEERING BLOCKS OR 220MM MASS CONCRETE TO GDR CODE OF PRACTICE FOR DRAINAGE. COVER/FRAME TO BE DUCTILE IRON WITH MIN CLASS D400 TO BS EN 124 2:2015. REFER TO SUPPORTING DOCUMENTATION AND BIMC DRAWING BGL-BMD-ZZ-DR-C-1210.
- DRAINS FROM AJU/ICs TO MAIN LINES TO BE 100mm DIAMETER UPVC UNLESS OTHERWISE SHOWN ON LAYOUT, BED AND SURROUNDED IN 150mm CONCRETE.
- LAND DRAIN TO BE 100 DIA UPVC PERFORATED PIPES, BED & SURROUND IN 150MM THICK FEA GRAVEL & WRAPPED IN TERRAM 1000 OR SIMILAR APPROVED GEOTEXTILE.
- INFILTRATION TRENCH TO BE GRANULAR FILL MATERIAL TO T3 SPECIFICATION TO CLAUSE 505 TYPE B. TRENCH TO BE 400MM DEEP BY 700MM WIDE, UNLESS OTHERWISE SHOWN ON THIS DRAWING.
- ALL TRENCHES IN ROADS TO BE BACKFILLED TO FORMATION LEVEL WITH CLAUSE 508 MATERIAL TO T3 SPECIFICATION.
- DIMENSIONED POSITION OF BUILDER'S UPSTAND (PU) (SVP/RWP) & STACKS TO BE PROVIDED BY THE ARCHITECT.
- CONNECTIONS FROM PUS/RWPs TO BE 100 DIA UPVC PIPES UNLESS OTHERWISE SHOWN. FOUL DRAIN CONNECTIONS FROM PUS (WASTE AND OR SOIL) TO EXTERNAL MANHOLES OR INSPECTION CHAMBERS TO BE LAID TO A MINIMUM FALL OF 1 IN 40. RWPs CONNECTIONS TO EXTERNAL SYSTEM TO BE LAID TO A MINIMUM FALL OF 1 IN 100.
- MANHOLE COVERS / INSPECTION CHAMBERS TO MATCH FINISHED LEVELS OF EXTERNAL PAVING, ROAD, HARDSTANDING OR LANDSCAPED AREAS. COVER LEVELS ARE INDICATIVE ONLY.
- PRIOR TO COMPLETION OF DRAINAGE CONSTRUCTION ON SITE THE CONTRACTOR SHALL COMPLETE THE NEXT LIST OF WORKS IN ACCORDANCE WITH THE SPECIFICATION:
 - CLEANSE THE SYSTEM
 - TEST ALL PIPE WORK
 - CARRY OUT CCTV INSPECTION
 - COMPLETE A SET OF AS CONSTRUCTED DRAWINGS
- THE CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR LOCATING THE POSITIONS OF ALL EXISTING SERVICES AND SHALL, IF REQUIRED BY THE ENGINEER/CLIENT, REPRESENTATIVE CARRY OUT A SURVEY OF THE SITE TO LOCATE THESE SERVICES INCLUDING WHERE REQUIRED BATES FOR CARRYING OUT SURVEYS INWARDS AND ELSEWHERE WHERE SERVICES ARE ENCOUNTERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DIVERSION OF EXISTING SERVICES ENCOUNTERED DURING THE COURSE OF THE WORK.
- ALL EXISTING SERVICES SHOWN ON THE GPR SURVEY PROVIDED IN THE SUPPORTING DOCUMENTATION AND NOT SHOWN ON THIS DRAWING TO BE BROKEN AND REMOVED.
- ALL EXISTING DCC AND IRISH WATER SEWERS TO BE MAINTAINED AND KEPT ALIVE DURING WORKS.
- ALL STACKS TO BE ROADABLE ABOVE SLAB LEVEL.
- MINIMUM DISTANCE BETWEEN BRANCH CONNECTIONS TO THE MAIN LINES TO BE 300mm.
- ALL BRANCH CONNECTIONS TO MAIN LINE FOUL SEWER TO BE BY MEANS OF 45 DEGREE "Y" BRANCH CONNECTIONS ONLY.
- ALL FINAL FOUL INSPECTION CHAMBERS WITHIN THE CURTILAGE OF EACH PROPERTY TO BE IN ACCORDANCE WITH IRISH WATERS STANDARD DETAILS FOR INSPECTION CHAMBERS.
- THE CONTRACTOR SHALL NOTE THE TESTING REQUIREMENTS, WHICH SHALL APPLY TO BOTH FOUL AND SURFACE WATER NETWORKS AS OUTLINED IN THE IRISH WATER QUALITY ASSURANCE FIELD INSPECTION REQUIREMENTS MANUAL, AND ALLOW FOR ALL COSTS ASSOCIATED WITH TESTING AND COMMISSIONING. THE CONTRACTOR SHALL NOTE THAT IRISH WATER NOW REQUIRE A CHARTERED ENGINEER TO CERTIFY INSTALLATION TESTING, MATERIALS COMPLIANCE AND WORKMANSHIP.
- THE CONTRACTOR SHALL PREPARE ALL FINAL DOCUMENTS PRIOR TO HANDOVER FOR SUBMISSION TO IRISH WATER AS OUTLINED IN APPENDIX 4 OF THE IRISH WATER QUALITY ASSURANCE FIELD INSPECTION REQUIREMENTS MANUAL. IN PARTICULAR, THE CONTRACTOR SHALL NOTE THE REQUIREMENTS FOR MANHOLE INTEGRITY TESTS, PIPELINE AIR TESTS, MANHOLE INSPECTION CARDS, CCTV SURVEYS OF COMPLETED PIPE WORK, AND AS CONSTRUCTED DRAWINGS.

PROPOSED MULTI SPORT PLAYING PITCH

MUNICIPAL PLAYING PITCH: THE PLAYING SURFACE SHALL BE A FAST DRAINING SYNTHETIC OR SIMILAR TYPE SURFACE. RUNOFF FROM THE PITCH SHALL BE LIMITED TO 2LS BY THE NEARBY OF A HYDROBRAKE LOCATED IN THE FINAL MANHOLE PRIOR TO DISCHARGE TO THE MAIN SURFACE WATER NETWORK UPSTREAM OF THE PITCHSIDE ATTENUATION TANK. ATTENUATION STORAGE FOR THE AREA OF THE PITCH ONLY SHALL BE PROVIDED BY A MINIMUM 200mm DEEP CRUSHED ROCK LAYER (MINIMUM 20% VOID RATIO) BENEATH PITCH SURFACE.

PROPOSED DRAINAGE LAYOUT
SCALE @ A0: 1:250
SCALE @ A2: 1:1000

PL6	31.05.22	PLANNING ISSUE	KS
PL4	16.03.22	UPDATED AS PER IW COMMENTS	TN
PL3	24.02.22	IW DIVERSIONS TEAM COMMENTS	TN
PL2	20.01.22	ISSUED FOR IW DESIGN VETTING	TN
PL1	09.11.21	ISSUED FOR IW DESIGN VETTING	TN
PL1	09.11.21	ISSUED FOR PRE-APPLICATION SUBMISSION	TN
ISSUE	DATE	DESCRIPTION	BY
Project Engineer: CIARAN O'RAFFERTY Project Director: CIARAN KENNEDY			
PLANNING			
CLIENT CWTC MULTI FAMILY ICAY ACTING SOLELY IN RESPECT OF ITS SUB FUND DBTR SCR1 FUND			
PROJECT TITLE			BM PROJECT No.
BAILEY GIBSON SHD 2			19117
REFERENCE	SUBMITTAL	SUITABILITY	REVISION
BGL-BMD-ZZ-00-DR-C-1020-1022 & 1120-1122	81		P01
DRAWING TITLE			
PROPOSED DRAINAGE LAYOUT			
(SHEET 4 OF 4)			
DRAWING REFERENCE	STATUS	REVISION	
BGL-BMD-ZZ-00-DR-C-1023	D2	PL6	