

GENERAL SERVICES NOTES

1. ALL EXISTING SERVICES TO BE PROTECTED BY CONTRACTOR DURING THE WORKS.
2. CONTRACTOR TO LIAISE WITH SERVICE PROVIDERS AND THE LOCAL AUTHORITY DURING THE CONSTRUCTION OF THE WORKS.
3. A PHOTOGRAPHIC PRE-CONDITION SURVEY SHALL BE CARRIED OUT BY THE CONTRACTOR PRIOR TO THE WORKS.
4. ALL PROTECTIVE MEASURES REQUIRED TO PROTECT THE ENVIRONMENT/WATER COURSES ARE TO BE TAKEN BY THE CONTRACTOR. PROTECTIVE MEASURES TO BE AGREED WITH RELEVANT BODIES AND BE IN ACCORDANCE WITH ALL RELEVANT GUIDELINES/LEGISLATION.
5. ALL EXISTING SERVICE ACCESS COVERS WITHIN THE SITE ARE TO BE RAISED/LOWERED TO SUIT NEW GROUND LEVELS WHERE REQUIRED.
6. ALL UNSUITABLE/DAMAGED EXISTING SERVICE ACCESS COVERS WITHIN THE SITE ARE TO BE REPLACED WITH NEW SUITABLE COVERS.

ROAD CONSTRUCTION, MARKING & SIGNAGE NOTES

1. ALL WORKS RELATING TO ROADS TO BE IN ACCORDANCE WITH TII MANUAL OF CONTRACT DOCUMENTS: VOLUME 1&2 SPECIFICATION FOR ROAD WORKS.
2. SUBGRADE TESTING, MATERIAL COMPACTION AND QUALITY CONTROL MEASURES TO BE IN ACCORDANCE WITH TII MANUAL OF CONTRACT DOCUMENTS VOL II IN SERIES 100 TABLE NG 1/1.
3. CONTRACTOR TO PROPOSE LOCATIONS FOR 6 NO. PLATE BEARING TESTS IN NEW ROADWAY AREA. RESULTS OF PBT TESTS TO BE REVIEWED BY SDS PRIOR TO THE PLACEMENT OF CAPPING OR SUB-BASE LAYERS.
4. ALL PROPOSED ROAD WARNING SIGNS TO BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORT'S "TRAFFIC SIGNS MANUAL, VOLUME 2, CHAPTER 6, WARNING SIGNS".
5. ALL PROPOSED ROAD MARKINGS TO BE THERMOPLASTIC PAINT IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORT'S "TRAFFIC SIGNS MANUAL, VOLUME 2, CHAPTER 7, ROAD MARKINGS" AND THE DoELG "GUIDELINES AND TENDER DOCUMENTATION FOR ROAD MARKING MATERIALS".
6. CONTRACTOR TO ALLOW FOR TYING IN NEW PROPOSED ROADS TO THE EXISTING ROAD, DETAILS TO BE AGREED WITH LOCAL AUTHORITY. ALLOW FOR WORKS BEING OUTSIDE THE SITE BOUNDARY.
7. ALL ACCESS COVERS TO EXISTING SERVICES WITHIN THE PROPOSED ROADWAY ARE TO BE RAISED/LOWERED TO CORRECT LEVEL AND NEW ACCESS COVERS TO BE PROVIDED.
8. WORKS IN PUBLIC ROAD TO BE IN ACCORDANCE WITH ROAD OPENING LICENSES OBTAINED BY THE CONTRACTOR.

RRM017 STOP LINE, 200mm (TSM)
RRM003 SOLID CENTRELINE, 100mm (TSM)
M114 STOP TEXT, 1600mm (TSM) ON
RUS027 STOP SIGN ON POLE, 2.1m U/SIDE CLEARANCE (TSM)

NEW CONCRETE FOOTPATH AND ROAD RE-SURFACING DUE TO CIVILS WORKS. ROAD OPENING LICENSE REQUIRED.

NEW CONCRETE PUBLIC FOOTPATH

DASHED LINE INDICATING CENTER OF ROAD FOR REFERENCE ONLY. NO WHITE LINE REQUIRED.

Existing utility pole to remain

CONCRETE PAVING SLABS TO ARCHITECT'S DETAIL.

PERMEABLE CONCRETE BRICK PAVERS, WITH 300mm WIDE CONCRETE EDINGS.

CONCRETE FOOTPATHS TO SIDES AND REAR OF UNITS.

BOUNDARY WALL TO BE CONSTRUCTED AS PART OF NEIGHBOURING DEVELOPMENT.

PROPOSED ADJACENT HOUSING

FFL: +77.225mm

DRAWING NOTES:

1. This Drawing is to be read in conjunction with the relevant Specifications & other Architectural & Engineering Drawings. Engineers to be informed immediately of any discrepancies before work proceeds.
2. Do Not Scale from this Drawing. Metric Figured Dimension only are to be used.
3. It is "The Contractors" responsibility to ensure that all works are carried out in accordance with the requirements of the current Building Regulations and all other statutory documents relevant to this project including the grant of planning permission, Fire Safety Certificate and Disability Access Certificate.
4. SDS (Structural Design Solutions) Ltd./ SDS-UK (Structural Design Solutions) Ltd. bear no liability for unilateral changes/modifications made during the course of construction based on the drawing prepared, without prior consultation and confirmation of acceptance of the revision by SDS (Structural Design Solutions) Ltd./ SDS-UK (Structural Design Solutions) Ltd.

© This drawing is protected by copyright and is the property of SDS (Structural Design Solutions) Ltd. / SDS-UK Ltd. It may not be used, reproduced or disclosed to anyone without the prior written approval of the authors.

LEGEND - PROPOSED SITE FINISHES	
ELEMENT	SHOWN AS
SITE BOUNDARY	
ROAD CENTERLINE	
ROAD LEVELS AND CHAINAGE	
ROAD GRADIENTS	
PROPOSED LEVELS	
WALL/FENCE TYPES (SEE ARCH'S DRAWINGS FOR BRICKWORK DETAILS, CAPPING DETAILS AND RENDER FINISHES)	
TYPE B1: BLOCKWORK BOUNDARY WALL, 2.0m HIGH, 215mm BLOCKWORK WITH 440x440 PIERS AT 3.6m CRS. FINISH TO ARCH'S SPECIFICATION.	
TYPE B2: BRICK BIN STORE & GOSSIP WALL; HEIGHT VARIES SEE ARCH. LAYOUT. MAX. HEIGHT=1.8m. TWO LEAVES OF BRICKWORK; ANCON ST1 WALL TIES AT 450mm CRS. VERT & HORIZ.	
TYPE B3: PRECAST CONCRETE FENCE POSTS WITH PRECAST CONCRETE INFILL PANELS, 2.0m HIGH.	
TYPE B4: BLOCKWORK BOUNDARY WALL, 0.9m HIGH, 215mm BLOCKWORK. FINISH TO ARCH'S SPEC.	
TYPE B5: METAL RAILING TO ARCH'S SPEC.	
FOUNDATIONS TO TYPE B1, B2 & B4 WALLS: C30/37 CONCRETE; 900mm Wide x 300mm Deep; A393 Mesh to Top and Bottom; 50mm Cover; Top of Foundation a Minimum of 800mm Below Existing/Proposed Ground Level.	
TYPE B1, B2 & B4 WALLS MAY RETAIN UP TO 450mm, PROVIDED THE BLOCKWORK BELOW HIGHEST GROUND LEVEL IS INCREASED TO 440mm THICK. (SEE DRAWING 3080 FOR DETAILS, U.N.O.)	
EXTERNAL PAVEMENTS/KERBING	
PROPOSED ASPHALT ROADWAYS	
AREA OF PUBLIC ROADWAY TO BE RE-SURFACED. SURFACE COURSE, 0/10mm SMA; t=50mm. ALLOW FOR NEW WHITE/YELLOW ROAD LINING AS EXISTING.	
EXTERNAL PAVINGS: PERMEABLE CONCRETE BRICK PAVERS WITH 300mm CONCRETE EDGING; 600mm DEPTH OF 30% VOIDED STONE BELOW.	
EXTERNAL PAVINGS: CONCRETE FOOTPATH;	
PROPOSED HB2 (HALF BATTERED) KERB / RAISED KERB - STANDARD - PRECAST CONCRETE	
PROPOSED DROPPED (FLAT TOP) KERB	

REV.	DATE	BY	DESCRIPTION
P3	02.10.2023	MW	UPDATED FFL
P2	27.09.2023	MW	REVISED LAYOUT
P1	14.12.2022	CD	ISSUED FOR REVIEW

SDS (Structural Design Solutions) Ltd.
DUBLIN • LONDON • CASTLEBAR
Head Office: Unit 9, No. 80 Business Park, Castlebar, Co. Mayo. Tel: +353 (0)94 9034914
Dublin: 45 Dawson Street, Dublin 2. Tel: +353 (0)1 8777400
London: Bridge House, 25 27 The Bridge, Wokingham, Hants RG40 3AB. Tel: +44 (0)33 3026724
info@structuraldesign.ie Web: www.structuraldesign.ie

Client:
OFFALY COUNTY COUNCIL

Project Title:
PROPOSED OPD'S at CIRCULAR ROAD, BEECHWOOD COURT, DAINGEAN, CO. OFFALY

Drawing Title:
SITE LAYOUT- BOUNDARY & SURFACE FINISHES, ROAD & PARKING LEVELS

Scale: 1:250	Page Size: A1	Status: PLANNING
Dr. By: MW	Checked: CD	Date: OCTOBER 2022

Project No: 22157	Drawing No: 3020	Rev: P3
-------------------	------------------	---------

SITE LAYOUT PLAN - PART PLAN 1 - BOUNDARY & SURFACE FINISHES, ROAD & PARKING LEVELS
SCALE = 1:250

DRAINAGE NOTES (REFERENCE TGD PART H)

1. ALL WASH HAND BASINS ON THE FIRST FLOOR TO HAVE 'DEEP SEAL TRAPS'.
2. AN AIR ADMITTANCE VALVE (AAV) IS REQUIRED ON EACH BRANCH CONNECTION TO THE WCS ON THE FIRST FLOOR.
3. SOIL VENT PIPE REQUIRED AT THE HIGHEST END OF EACH CONTINUOUS RUN. ANY BRANCH THAT IS GREATER THAN 10M WILL ALSO REQUIRE A SOIL VENT PIPE. THE SOIL VENT PIPE IS TO TERMINATE EXTERNALLY AT LEAST 900mm ABOVE ANY OPENING THAT IS WITHIN 3M. A CAGE OR COVER ON THE PIPE THAT DOES NOT RESTRICT THE AIR FLOW.
4. ALL DRAINAGE PIPES TO HAVE A FULL CCTV SURVEY COMPLETED PRIOR SURFACING IS COMPLETE, AND ALL PIPES ARE TO BE AIR TESTED ALSO.

DRAINAGE NOTES (REFERENCE TGD PART H)

1. ALL GRADIENTS OF PIPES TO COMPLY WITH TGD PART H.
2. ALL PIPE WORK BEDDING TO FULLY COMPLY WITH TGD PART H.

IN CURTLAGE DRAINAGE

1. SEE ARCHITECTURAL DRAWINGS FOR IN CURTLAGE DRAINAGE LAYOUT.

WATER/WASTEWATER INFRASTRUCTURE

ALL WASTEWATER INFRASTRUCTURE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH:

- CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE, CONNECTIONS AND DEVELOPER SERVICES, DESIGN AND CONSTRUCTION REQUIREMENTS FOR SELF-LAY DEVELOPMENTS, JULY 2020 (REVISION 2); IW-CDS-5030-03
- WASTEWATER INFRASTRUCTURE STANDARD DETAILS, CONNECTIONS AND DEVELOPER SERVICES, CONSTRUCTION REQUIREMENTS FOR SELF-LAY DEVELOPMENTS, JULY 2020 (REVISION 04); IW-CDS-5030-01

ALL WATER INFRASTRUCTURE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH:

- CODE OF PRACTICE FOR WATER INFRASTRUCTURE, CONNECTIONS AND DEVELOPER SERVICES, DESIGN AND CONSTRUCTION REQUIREMENTS FOR SELF-LAY DEVELOPMENTS, JULY 2020 (REVISION 2); IW-CDS-5020-03
- WATER INFRASTRUCTURE STANDARD DETAILS, CONNECTIONS AND DEVELOPER SERVICES, CONSTRUCTION REQUIREMENTS FOR SELF-LAY DEVELOPMENTS, JULY 2020 (REVISION 04); IW-CDS-5020-01

WHERE THE ABOVE DOCUMENTS ARE REVISED BY IW, THE LATEST REVISION OF THE RELEVANT DOCUMENT SHALL BE USED.

ESB INFRASTRUCTURE

ALL ESB EXISTING AND PROPOSED LINES ARE FOR INFORMATION PURPOSES ONLY AND ARE INDICATIVE ONLY. FOR DETAILS OF WORKS TO ESB LINES, OVERHEAD AND UNDERGROUND, SEE M&E CONSULTANT DRAWINGS.

NEW MANHOLE TO BE CONSTRUCTED AT PROPOSED CONNECTION TO EXISTING PUBLIC WASTEWATER SEWER.

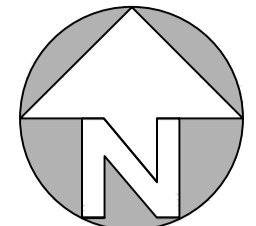
PROPOSED GRAF ECO BLOC ATTENUATION TANK:
63m² @ 1.00m DEEP;
STORAGE CAPACITY = 58m³;
MIN. COVER LEVEL=76.98m; LL=75.58m;

PROPOSED CONNECTION TO EXISTING PUBLIC WATER MAIN.

PROPOSED CONNECTION TO SURFACE WATER CULVERT.

HYDROBRAKE OPTIMUM OUTFLOW CONTROL TO BE LOCATED WITHIN MANHOLE S4.0. OUTFLOW LIMITED TO 2.0 l/s. PROVIDE 400mm SUMP FOR HYDROBRAKE.

PROPOSED PETROL INTERCEPTOR; KLARGESTER NSBP04 OR SIMILAR, DESIGNED & INSTALLED IN ACCORDANCE WITH IS EN 858. INCLUDING HIGH OIL LEVEL ALARM 225mm Ø PIPEWORK IN/OUT. IL (IN)= 75.570; IL (OUT)=75.470.



ALLOW FOR A CONNECTION TO AN EXISTING LAND DRAINAGE PIPE THAT MAY BE PRESENT AT THIS LOCATION, TO ENSURE ROADSIDE DRAINAGE IS NOT AFFECTED AND LAND DRAINAGE SERVING ADJACENT PROPERTY IS NOT COMPROMISED.

CIRCLE WITH 46m RADIUS INDICATING COVERAGE OF THE PROPOSED HYDRANT.

ALL PERMEABLE PAVING AREAS TO HAVE A VOIDED STONE SUB-BASE. DEPTH OF STONE TO BE 60mm. VOID RATIO OF STONE TO BE 30%. TOTAL STORAGE VOLUME TO BE 39m³.



FFL: +77.225mm

DRAWING NOTES:

1. This Drawing is to be read in conjunction with the relevant Specifications & other Architectural & Engineering Drawings. Engineers to be informed immediately of any discrepancies before work proceeds.
2. Do Not Scale from this Drawing. Metric Dimension only are to be used.
3. It is "The Contractors" responsibility to ensure that all works are carried out in accordance with the requirements of the current Building Regulations and all other statutory documents relevant to this project including the grant of planning permission, Fire Safety Certificate and Disability Access Certificate.
4. SDS (Structural Design Solutions) Ltd./ SDS-UK (Structural Design Solutions) Ltd. bear no liability for unilateral changes/modifications made during the course of construction based on the drawing prepared, without prior consultation and confirmation of acceptance of the revision by SDS (Structural Design Solutions) Ltd./ SDS-UK (Structural Design Solutions) Ltd.

© This drawing is protected by copyright and is the property of SDS (Structural Design Solutions) Ltd./ SDS-UK Ltd. It may not be used, reproduced or disclosed to anyone without the prior written approval of the authors.

LEGEND -PROPOSED SITE SERVICES-DRAINAGE

PROPOSED FOUL SEWER PIPES; 50 Ø PVC; Ø TO COMPLY WITH IW WASTEWATER CODE OF PRACTICE	
EXISTING WASTE WATER SEWER	
PROPOSED SURFACE WATER PIPELINE 225mm Ø uPVC	
PROPOSED PERFORATED SURFACE WATER PIPELINE 150mm Ø uPVC, LAID AT 1:150 FALL, U.N.O.	
EXISTING SURFACE WATER PIPELINE	
PROPOSED 1200mm Ø Manholes (FOUL (RED) & SURFACE (GREEN))	
EXISTING MANHOLES - LOCATION & SIZE T.B.C. (FOUL (PURPLE) & SURFACE (BLUE))	
ARMSTRONG JUNCTION BOX: FOUL (RED) & SURFACE (GREEN)	
INSPECTION CHAMBER: FOUL (RED) & SURFACE (GREEN)	
PROPOSED ATTENUATION TANK	
PROPOSED PERMEABLE CONCRETE BLOCK PAVERS; SEE SECTION 6-6/3031.	
PROPOSED ROAD GULLY TO BE HEAVY DUTY, SUITABLE FOR HGV LOADING (D400).	
MAIN WASTEWATER AND SURFACE WATER SEWERS TO BE ENCASED IN 150mm CONCRETE, C30/37; WITH TWO LAYERS OF A252 MESH WITHIN CONCRETE OVER TOP OF SEWER.	
SITE BOUNDARY	

LEGEND -PROPOSED SITE SERVICES-WATERMAIN

WATERMANS - EXISTING	
HYDRANT - EXISTING	
WATERMANS - PROPOSED; MIDPE-PE80 U.N.O.; 100mm Ø U.N.O.	
AIR VALVE - PROPOSED	
BOUNDARY BOX (25mm Ø) WITH STOPCOCK AND WATER METER - PROPOSED	
HYDRANT - PROPOSED	
SLUICE VALVE - PROPOSED	
SCOUR VALVE - PROPOSED	
THRUST BLOCK	
WATER METER (SINGLE UNIT) - PROPOSED	
WATER METER (DEVELOPMENT) - PROPOSED (BYPASS FLOW METER AS PER IW DETAIL STD-W-26F)	

P3	02.10.2023	MW	UPDATED FFL
P2	27.09.2023	MW	REVISED LAYOUT
P1	20.10.2022	CD	ISSUED FOR IW PCE
REV.	DATE	BY	DESCRIPTION

SDS (Structural Design Solutions) Ltd.
DUBLIN • LONDON • CASTLEBAR

Head Office: Unit 9, 80 Business Park, Castlebar, Co. Mayo. Tel: +353 (0)94 9034914
Dublin: 45 Dawson Street, Dublin 2. Tel: +353 (0)1 8778740
London: Bridge House, 25 27 The Bridge, Wokingham, Hampshire, RG40 3AB. Tel: +44 (0)33 3026724
✉ info@structuraldesign.ie Web: www.structuraldesign.ie

Client:
OFFALY COUNTY COUNCIL

Project Title:
PROPOSED OPD's at CIRCULAR ROAD, BEECHWOOD COURT, DAINGEAN, CO.OFFALY

Drawing Title:
SITE LAYOUT- SERVICES: WASTEWATER, SURFACE WATER & WATERMAIN

Scale	1:250	Paper Size	A1	Status	PLANNING
Drw. By	MW	Checked	CD	Date	OCTOBER 2022
Project No.	22157	Drawing No.	3021	Rev.	P3

SITE LAYOUT PLAN - PART PLAN 1 - SERVICES - WASTEWATER, SURFACE WATER & WATERMAIN

SCALE = 1:250