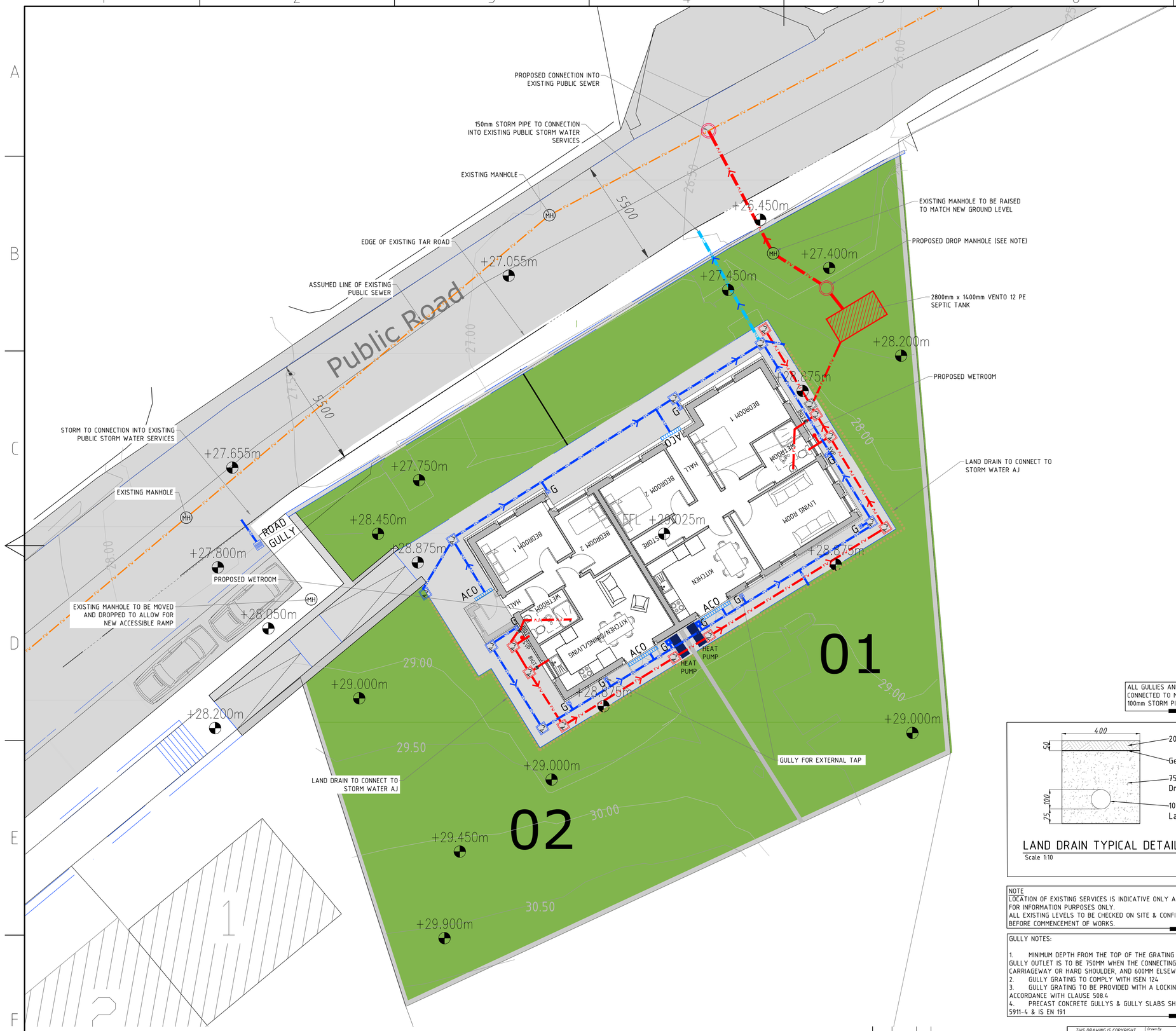


N

Note:
All dimensions are in mm unless otherwise stated.

NOTE:
- Contours Denote Existing Ground Level
- Spot Levels Denote Proposed Levels

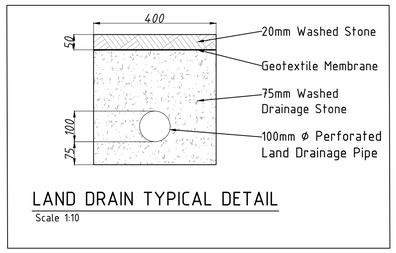
LEGEND

PRIVATE BOUNDARIES	
EXISTING COMBINED SEWER	FO1
EXISTING FOUL SEWER	FO1
EXISTING STORM SEWER	SO1
PROPOSED 100mmØ FOUL SEWER	FO1
PROPOSED 100mmØ STORM SEWER	SO1
PROPOSED 150mmØ STORM SEWER	SO1
PROPOSED ACCESS JUNCTION/ INSPECTION CHAMBER	
BACK INLET GULLEY TRAP (BIGT)	BIGT
SOIL VENT PIPE (SVP)	SVP
RAINWATER PIPE & GULLEY	G
PROPOSED STORM WATER MANHOLE	

FOUL & SURFACE WATER NOTES:

1. FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
3. FOR UNDER FLOOR DRAINAGE ARRANGEMENT PLEASE REFER TO ARCHITECT'S DRAWINGS.
4. DO NOT SCALE THIS DRAWING. USE FIGURE DIMENSIONS ONLY.
5. ALL SURFACE WATER SEWERS SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN "RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS" AS PUBLISHED BY DEPARTMENT OF ENVIRONMENT AND LOCAL GOVERNMENT AND IRISH WATER STANDARD DETAILS FOR WASTE WATER INFRASTRUCTURE.
6. ALL FOWL SEWER WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE & IRISH WATERS WASTE WATER INFRASTRUCTURE STANDARD DETAILS
7. GROUND LEVELS, COVER LEVELS AND INVERT LEVELS ARE APPROXIMATE ONLY. EXACT LEVELS TO BE CONFIRMED ON SITE.
8. THE DEVELOPMENT SHALL BE CONNECTED TO THE PUBLIC SEWER TO THE SATISFACTION OF THE LOCAL AUTHORITY AND IRISH WATER. THE MINIMUM COVER TO ANY SEWER PIPE SHALL BE 1.2m IN ROAD AND 0.9m IN OPEN SPACES AND FOOTPATHS NOT ADJACENT TO CARRIAGEWAYS. WHERE IT IS NOT POSSIBLE TO ACHIEVE THESE MINIMUM COVERS, PIPES SHALL BE BEDDED AND SURROUNDED IN CONCRETE 150thk.
9. THE SEWERS AND MANHOLES SHALL BE LAID AND TESTED TO THE SATISFACTION OF IRISH WATER AND THE LOCAL AUTHORITY. LAYING, BEDDING AND BACK FILLING OF SEWERS SHALL BE IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS.
10. ALL SERVICE TRENCHES IN ROADS SHALL BE BACK FILLED AND PROPERLY COMPACTED WITH GRANULAR MATERIAL IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS FOR WASTEWATER INFRASTRUCTURE.
11. GULLIES A) ALL GULLIES AND MANHOLES LOCATED IN THE PUBLIC ROAD SHALL BE LOCKING TYPE. GULLIES TO BE LOACTED EVERY 45m OR 200m2 OF HARD STANDING. B) DOUBLE GULLIES TO BE PROVIDED AT ALL ROAD SAG CURVES AND CUL DE SACS WHERE INDICATED. SEPARATE CONNECTIONS SHALL BE PROVIDED FOR EACH GULLY.

ALL GULLIES AND ACO DRAINS TO BE CONNECTED TO MAIN DRAINS WITH 100mm STORM PIPE @1:80 MIN GRADIENT.



LAND DRAIN TYPICAL DETAIL
Scale 1:10

NOTE
LOCATION OF EXISTING SERVICES IS INDICATIVE ONLY AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY.
ALL EXISTING LEVELS TO BE CHECKED ON SITE & CONFIRMED WITH ENGINEER BEFORE COMMENCEMENT OF WORKS.

GULLY NOTES:

1. MINIMUM DEPTH FROM THE TOP OF THE GRATING TO THE TOP OF THE GULLY OUTLET IS TO BE 750MM WHEN THE CONNECTING PIPE IS UNDER A CARRIAGEWAY OR HARD SHOULDER, AND 600MM ELSEWHERE
2. GULLY GRATING TO COMPLY WITH ISEN 124
3. GULLY GRATING TO BE PROVIDED WITH A LOCKING DEVICE IN ACCORDANCE WITH CLAUSE 508.4
4. PRECAST CONCRETE GULLYS & GULLY SLABS SHALL COMPLY WITH BS 5911-4 & IS EN 191

IRISH WATER STANDARD DETAILS AND CODE PRACTICE:

ALL OF THE SITE DRAINAGE WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER'S (IW) "WASTEWATER INFRASTRUCTURE STANDARD DETAILS" AND "CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE".
STANDARD DETAILS FOR WASTEWATER NETWORKS :
-STD-WW-02 TYPICAL LAYOUT FOR SEWER WITHIN NEW DEVELOPMENTS
-STD-WW-03 DRAIN & SERVICE CONNECTION PIPEWORK
-STD-WW-07 TRENCH BACKFILL & BEDDING
-STD-WW-08 CONCRETE BED, HAUNCH & SURROUNDING TO WASTEWATER PIPES
-STD-WW-10 PRECAST CONCRETE MANHOLE
-STD-WW-12 BACKDROP MANHOLES
-STD-WW-13 PRIVATE SIDE INSPECTION CHAMBER
FOR REINFORCED IN SITU ITEMS SUCH AS MANHOLES ETC, ALLOW H12 REBAR@200c/c BOTH FACES. NOTE THAT PRECAST OPTIONS ARE ALSO SPECIFIED.
PIPE MATERIALS:
1. SERVICE CONNECTIONS FROM DWELLING TO BE 100mm Ø UNPLASTICISED PVC IN ACCORDANCE WITH SECTION 3.13 OF IW CODE PRACTICE.
2. SITE SEWER TO BE THERMOPLASTIC STRUCTURED WALL PIPES IN ACCORDANCE WITH SECTION 3.13 OF THE IW CODE OF PRACTICE..
3. RISING MAIN TO BE POLYETHYLENE IN ACCORDANCE WITH SECTION 3.14 OF WASTEWATER CODE OF PRACTICE.
TESTING:
1. SITE SEWER AND MANHOLES TO BE TESTED IN ACCORDANCE WITH SECTION 4.10 OF IW CODE OF PRACTICE.
2. CCTV AND MANHOLE CONDITION SURVEYS TO BE CARRIED OUT IN ACCORDANCE WITH SECTION 1.9 OF IW CODE OF PRACTICE IN ADVANCE OF THE DEFECTS LIABILITY PERIOD.
NOTE: ALL MANHOLE COVER LEVELS TO BE CHECKED IN SITU TO ENSURE THAT THEY ARE LEVEL WITH THE SURROUNDING FINISHED SURFACES.

NOTE
REFER TO STANDARD IRISH WATER DETAILS FOR DROP MANHOLE DETAIL

REVISION	DATE	BY	DETAILS
1	05/24	CF	Issue 1
0	03/24	DOS	Issue 0

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Dimensions are in mm except where indicated. Figured dimensions are preferred to scaled measurements. All dimensions to be checked on site prior to fabrication or construction. All works to be in accordance with Current Building Regulations and Codes. (Sub)Contractors are responsible for ensuring compliance with Building Regulations within their trade. Where this drawing is open to public inspection pursuant to a statutory requirement, it is on a statutory basis only and is subject to the provisions of Section 76 of the Copyright and Related Rights Act, 1990.

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Drawn By	Chkd By	Approved By	DWG Date	Scale	Purpose Code	Acceptance Code	Rev.	Stage
CF	CC	CC	13/03/24	1/100 @A1	P03	S	1	Planning

Project	Originator	Spatial Zone	Level	Info Type	Role	Number
23005	– CRO –	X	– XXX –	DR	– CE	– 03200

Client: Cork County Council
Project: Proposed 2 No. Houses, Goleen Garda Station, Co. Cork
Title: Proposed Drainage Layout