

NOTES:
ALL WORKS WILL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE
UISCE ÉIREANN (UE) CODE OF PRACTICE (COP) FOR WASTEWATER
INFRASTRUCTURE IW-CD5-5030-03 AND UE STANDARD DETAILS IW-CD5-5030-01.

THE CONTRACTOR SHALL ENSURE IRISH WATER CONNECTION DETAILS ARE
ADHERED TO. REFER TO STANDARD DETAILS AVAILABLE FROM
<https://www.water.ie/connections/developer-services/>

INDIVIDUAL WASTEWATER SERVICE CONNECTIONS TO EACH DWELLING ARE
SHOWN INDICATIVELY. FINAL DESIGN WILL BE CONFIRMED WITH M&E DESIGNER
AND SHALL BE AS PER STANDARD DETAILS STD-WW-02, STD-WW-03, STD-WW-04
AND STD-WW-05 & 05A.

INDIVIDUAL STORM SEWER CONNECTIONS TO EACH DWELLING ARE SHOWN
INDICATIVELY. FINAL LOCATIONS TO BE CONFIRMED WITH M&E DESIGNER.

ALL STORM SERVICE CONNECTIONS TO BE LAID AT MINIMUM 1:80 GRADE.

INSPECTION CHAMBERS SHALL BE IN COMPLIANCE WITH STANDARD DETAILS
STD-WW-03 AND STD-WW-13 AND WILL BE LOCATED WITHIN 1.0m OF EACH
PROPERTY BOUNDARY.

GRAVITY SEWER PIPE MATERIALS USED SHALL BE IN COMPLIANCE WITH SECTION
3.13 OF THE CODE OF PRACTICE. UNPLASTICISED PVC PIPES AND FITTINGS SHALL
BE OF STIFFNESS CLASS OF 8kN/m².

PIPE MATERIALS WILL BE UNPLASTICISED PVC (WAVSPEC SN8 OR SIMILAR) FOR
THE MAIN SEWERS AS PER SECTION 3.13.3 OF THE CODE OF PRACTICE.

MANHOLES ARE REQUIRED TO CONFORM TO STANDARD DETAILS STD-WW-09,
STD-WW-10, STD-WW-11 AND/OR STD-WW-12 AS APPROPRIATE.

SEPARATION DISTANCES OF FOUL SEWERS TO STRUCTURES AND OTHER UTILITIES
WILL COMPLY WITH SECTION 3.5 OF THE CODE OF PRACTICE.

REFER TO SECTIONS 3.5.16, 3.5.17 AND 3.5.18 OF THE WASTEWATER CODE OF
PRACTICE FOR UNAVOIDABLE SERVICE CROSSINGS.

REFER TO STANDARD DETAILS STD-WW-06, STD-WW-06A AND STD-W-12A AND
SECTION 3.21 OF THE CODE OF PRACTICE FOR PLANTING RESTRICTIONS TO
WATER AND WASTE WATER INFRASTRUCTURE. IF REQUIRED, ROOT PROTECTION
TO BE ReRoot 2000 OR SIMILAR.

MANHOLE COVERS SHALL BE SET IN POSITION FLUSH WITH FINISHED GROUND
SURFACE, WHETHER ROAD, PAVEMENT OR OPEN GROUND.

REFER TO SECTION 3.5.14 OF THE IW COP FOR GUIDANCE ON STAGGERING OF
FOUL AND STORM MANHOLES.

ALL STORM SEWER AND FOUL SEWER PIPES TO BE LAID WITH MINIMUM 1200mm
COVER TO CROWN OF PIPES IN ROADS AND DRIVEWAYS AND MINIMUM 900mm
COVER IN OPEN SPACES & FOOTPATHS NOT ADJACENT TO CARRIAGEWAYS
WHERE IT IS NOT POSSIBLE TO ACHIEVE THESE MINIMUM COVER DEPTHS, PIPES
SHALL BE BEDDED AND ENCASED IN CONCRETE 150mm THICK.

AS PER SECTION 3.5.16 OF THE CODE OF PRACTICE, EXTERNAL FACE OF PROPOSED
MANHOLE TO BE MINIMUM 0.5m FROM KERB LINE AND EXTERNAL FACE OF
SEWERS TO BE A MINIMUM OF 1.0m FROM KERB LINE.

ALL INSPECTION CHAMBERS LOCATED IN TRAFFICKED AREAS SHALL BE D400
RATED.



MANHOLE SCHEDULE					
MH No.	MH DIA(mm)	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	
Ex. S1	1350	78.383	77.630	0.453	561820.247 717180.917
S3	1350	80.052	78.736	1.022	561694.104 717193.037
S4	1350	79.637	78.384	0.953	561742.248 717198.147
S5	1350	80.477	78.945	1.307	561666.319 717189.445
S6	1350	80.044	78.757	1.062	561735.514 717145.809
S7	1200	79.442	78.262	0.880	561746.710 717229.029
S8	1350	80.001	78.530	1.246	561753.786 717282.223
S9	1350	78.727	77.917	0.510	561815.158 717219.788
S11	1350	78.905	77.814	0.792	561813.199 717199.296
S12	1350	79.546	78.143	1.178	561793.366 717148.794
S14	1200	82.029	79.945	1.860	561655.466 717152.319
S17	1350	80.013	78.704	1.085	561737.410 717160.317
S18	1350	80.229	78.985	1.020	561692.967 717205.576
S19	1200	80.947	79.362	1.359	561690.250 717155.056
S20	1350	78.756	77.946	0.586	561817.886 717242.648
S21	1350	78.362	77.650	0.413	561816.375 717181.554
S22	1350	79.072	77.879	0.968	561800.171 717201.020
S23	1350	79.185	78.043	0.917	561817.959 717261.743
S24	1350	78.500	77.696	0.504	561811.150 717182.243
S25	1350	78.500	77.697	0.504	561812.896 717195.871

- STORM DRAINAGE:
- ALL UNDERGROUND STORM PIPEWORK TO BE TWINWALL HIGH DENSITY POLYETHYLENE PIPE MANUFACTURED FROM 100% RECYCLED PLASTIC. PIPEWORK TO BE BBA AND ISO 9001:2008 APPROVED.
 - THE PROPOSED STORM WATER NETWORK FOR THE SITE SHALL BE PROVIDED AS INDICATED ON THIS DRAWING. ALL PROPOSED STORM SEWERS SHALL BE LAID AND PROTECTED IN TRENCHES AS SET OUT ON THE STANDARD PIPE BEDDING DETAILS DRAWING PROVIDED WITH THIS PACKAGE.
 - ALL MANHOLE COVERS TO BE IN ACCORDANCE WITH BS EN 124. MANHOLE COVERS IN FOOTWAYS ARE TO BE PROVIDED WITH NON-SLIP COVERS AND THOSE WITHIN TACTILE PAVING AREAS ARE TO BE PROVIDED WITH RECESSED COVERS FOR PAVING.
 - ALL STORM ACCESS JUNCTIONS TO BE WAVIN 110MM uPVC ACCESS JUNCTIONS WITH COVERS TO IS 424:1990 OR SIMILAR APPROVED.
 - STORM MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD MANHOLE DETAILS PROVIDED WITH THIS PACKAGE
 - ALL BELOW SLAB INTERNAL STORM DRAINAGE TO BE 100mm uPVC PIPEWORK LAID AT 1:100 GRADIENT WITHIN T2 LAYER
 - ALL STORM AJ's LOCATED IN PAVED AREAS TO BE FITTED WITH RECESSED COVER

THE INFORMATION ON THIS DRAWING
IS TO THE ORDNANCE SURVEY IRELAND
ITM COORDINATE SYSTEM

LEGEND:

- PROPOSED STORM SEWER & MANHOLE
- PROPOSED STORM SEWER & BACKDROP MANHOLE
- EXISTING STORM SEWER & MANHOLE
- PROPOSED INFILTRATION TANK
- PROPOSED SWALE
- PROPOSED DRAINAGE KERB DISCHARGING TO SWALE VIA ACO SWALE INLET UNIT WITH GALVANISED MESH GRATING @ 15M C/C
- ROPOSED GULLY LOCATION AND Ø100MM PVC CONNECTION PIPE
- CONCRETE COVER
- PERFORATED COLLECTOR DRAINAGE PIPE
- PROPOSED RAIN GARDEN

NOTES:

- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
- ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
- ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
- THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
- ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

PO	26.09.2024	Issue for Planning	A.O	S.B
Rev	Date	Description	By	Chkd.

Client: Galway County Council

Project: Housing Development at
Cosmona, Loughrea,
Co. Galway

Title: Proposed Storm Water
Drainage Layout

Scale @ A1: 1:500

Prepared by: A.O Checked by: S.B Date: 02.07.24

Drawing Status: Planning

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Tel: +353 (0)91 565 211
Email: info@tobin.ie
www.tobin.ie

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Revision: PO