

Coyle Kennedy Consulting Civil & Structural Engineers email: mail@coylekennedy.com Website: www.coylekennedy.com Date 12/05/2025 14:21 File 24-116-FOUL Drainage .MDX Innovzyze	GCC SOCIAL HOUSING, PORTUMNA CO. GALWAY Designed by AC Checked by BC Network 2020.1.3	Page 1
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Manhole	Station	Invert Level (m)	Cover Level (m)	Diameter (mm)	Slope (1:X)
F1	0+00	41.500	42.850	150	1:100
F4	0+36.174	40.566	43.000	225	1:100
F5	0+72.348	40.233	42.950	225	1:100
F11	0+108.522	40.039	43.000	225	1:100
F13	0+144.696	39.810	42.950	225	1:100

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Network 2020.1.3				
MH Name	F2	F3	F4	
Hor Scale 500 Ver Scale 100				4.000
Datum (m)34.000				
PN	F2.000	F2.001		
Dia (mm)	225	225		
Slope (1:X)	50.0	50.0		
Cover Level (m)	42.950	42.950	43.000	
Invert Level (m)	41.550	41.018 41.018	40.624	
Length (m)	26.612	29.691		
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Network 2020.1.3				
MH Name		F8	F9	F10
Hor Scale 500				
Ver Scale 100				
Datum (m) 34.000				
PN		F4.000	F4.001	
Dia (mm)		150	150	
Slope (1:X)		34.0	33.0	
Cover Level (m)		42.950	42.950	42.950
Invert Level (m)		41.500	40.598 40.568	40.339
Length (m)		17.077	21.745	

[illegible]

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MH Name		F6		F7		F10		F11	
Hor Scale 500						1:001		1:002	
Ver Scale 100									
Datum (m) 34.000									
PN		F3.000		F3.001		F3.002			
Dia (mm)		150		150		225			
Slope (1:X)		58.9		60.0		150.0			
Cover Level (m)		42.950		42.950		42.950		43.000	
Invert Level (m)		41.530		41.119		40.345 40.264		40.039	
Length (m)		24.228		46.429		33.813			
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Date 12/05/2025 14:21 File 24-116-FOUL Drainage .MDX Innovyze		Network 2020.1.3	
MH Name	F12	F13	
Hor Scale 500			
Ver Scale 100			
Datum (m)34.000			
PN	F5.000		
Dia (mm)	150		
Slope (1:X)	25.0		
Cover Level (m)	43.300	42.950	
Invert Level (m)	41.650	39.508	
Length (m)	42.788		
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NOTES

GENERAL NOTES :

1. ALL COYLE KENNEDY DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS AND ALL OTHERS.
2. ALL SETTING OUT, INSULATION, POOL TANKING / WATERPROOFING, SCREEN AND RAMP PROTECTION DETAILS BY ARCHITECT & STRUCTURAL.
3. RETAINED SPECIFICATIONS (NOT ISSUED) ARE AVAILABLE AT ENGINEERS OFFICE FOR INSPECTION BY CONTRACTORS BY APPOINTMENT.
4. BEFORE ARCHITECT FOR DAMP PROOF, TANKING AND GROUND PROOFING MEMBRANE REQUIREMENTS. REQUIREMENTS OF SUBSTRUCTURE G/WATER PROOFING MEMBRANES TO BE BY A REPUTABLE, COMPETENT SPECIALIST WITH ACCURATE PL.
5. THE CONTRACTOR SHALL BE DEEMED TO HAVE BEEN ALLOWED FOR, WITHIN HIS TENDERS, EMPLOYING A COMPETENT STRUCTURAL ENGINEER WITH APPROPRIATE PROFESSIONAL INSURANCE REQUIREMENTS TO ASSESS DESIGN AND DETAIL, SUCH TEMPORARY WORKS AS NECESSARY TO OBTAIN SUPPORT TO EXISTING AND/OR NEW CONSTRUCTION, TO MAINTAIN THE CONSTRUCTION PERIOD. THIS APPLIES TO ELEMENTS WITHIN THE SITE AND NEIGHBOURING THE SITE.
6. THE CONTRACTOR IS DEEMED TO HAVE VISITED THE SITE AND CONSULTED WITH RELEVANT AUTHORITIES AND BEEN ADVISED IN RELATION TO THE SITES SURROUNDINGS, EXISTING STRUCTURES, UTILITIES, BOUNDARIES, GROUND CONDITIONS, AND ANY OTHER MATTERS THAT MAY AFFECT THE CONSTRUCTION OF THE PROJECT.
7. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT BUILDING REGULATIONS.
8. WHERE LEANING IS SPECIFIED ALL LEANING TO BE GRADE C16/20 (30%); UNLESS NOTED OTHERWISE.
9. ALL LEVELS ARE IN METRES ABOVE SEA LEVELD (M.A.S.L.) INDICATING STRUCTURAL LEVEL (SSL).
10. NOT SCALE FROM DRAWINGS, USE FIGURED DIMENSIONS ONLY. ANY DISCREPANCIES TO BE REPORTED TO THE STRUCTURAL ENGINEER PRIOR TO COMMENCEMENT OF WORKS.
11. ALL WORKS SHALL BE CARRIED OUT IN A SAFE MANNER AND IN ACCORDANCE WITH THE HEALTH AND SAFETY REGULATIONS, METHOD STATEMENTS (WHERE REQUIRED) SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT.
12. THE CONTRACTOR SHALL COMPLY WITH ALL STATUTORY AUTHORITY REQUIREMENTS INCLUDING PLANNING CONDITIONS, FIRE SAFETY CERTIFICATE CONDITIONS, LOCAL AUTHORITY DRAINAGE REQUIREMENTS ETC.
13. PROJECT DRAWINGS AND SPECIFICATIONS RELATING TO BUILDING REGULATIONS, BRITISH, IRISH OR OTHER NATIONAL STANDARD CODES OF PRACTICE DO NOT GIVE THE YEAR OF ISSUE OR DATE OF AMENDMENTS. CONTRACTOR TO BE RESPONSIBLE FOR OBTAINING THE RELATIVES AMENDMENTS AND TO ADD TO THE DATE OF INTIMATION TO TENDER SHALL APPLY. WHERE A STANDARD CODE OR PRACTICE HAS BEEN REVISED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE REVISED CODES.
14. ANY DISCREPANCIES DISCOVERED BETWEEN DESIGN TEAM DRAWINGS TO BE REPORTED IMMEDIATELY AND CLARIFICATION SHOULD AND DISCREPANCY CORRECTED PRIOR TO CONSTRUCTION COMMENCEMENT.

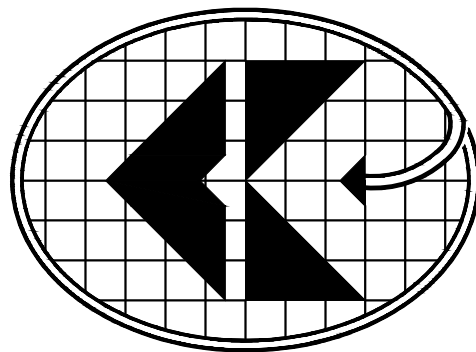
DRAINAGE NOTES :

1. CONTRACTOR TO MAKE ALL NECESSARY DRAINAGE OR GRADING OF EXISTING SURFACES, ELECTRICAL AND OTHER SERVICES ON SITE.
2. FOR DRAINAGE WORK LOOK TO BUILDINGS, REFER TO ARCHITECT'S DRAWINGS.
3. SLOPE DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT SPECIFICATION, PART H-BUILDING REGULATIONS AND DEPT. OF ENVIRONMENT DOCUMENT "RECOMMENDATIONS FOR SITE DEVELOPMENT AND DRAINAGE DESIGN". SLOPE DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH DESIGN & CONSTRUCTION GUIDE FOR DEVELOPERS AND USE DRAINAGE WATERMETER CODE OF PRACTICE.
4. BEDDING MATERIAL TO BE 10mm SINGLE SIZE AGGREGATE COMPLYING WITH THE REQUIREMENTS OF AGGREGATES FOR CONCRETE; FOR 100mm PIPES THE GRANULAR MATERIAL SHOULD CONFORM TO BS EN 10101-1:2002, 10mm PIPES TO BE SINGLE SIZE AGGREGATE OR GRADED MATERIAL FROM 5mm TO 10mm; 100mm PIPES, 14mm FOR 150mm PIPES; 20mm FOR 150mm - 600mm DIAMETER AND 40mm FOR PIPES MORE THAN 600mm DIAMETER.
5. THE UNPAVED UNDERFLOOR OF THE TRENCH SHOULD CONSIST OF BEDDING MATERIAL FOR THE FULL WIDTH OF THE TRENCH AND LAP TO THE CORRECT GRADIENT.
6. THE MINIMUM THICKNESS OF BEDDING MATERIAL UNDER THE BARREL OF THE PIPE SHOULD BE 100mm.
7. IMPORTED BEDDING MATERIAL AND SHOULDER USING 'AS DUG MATERIAL' MUST BE APPROVED BY ENGINEER.
8. ALL P.C.P. PIPES AND FITTINGS USED FOR DRAIN AND SEWER MUST COMPLY WITH BS4542
9. ALL P.C.P. PIPES AND FITTINGS, CHLORIDE (PVC-U) TYPES AND FITTINGS FOR BURIED DRAINAGE AND SEWERAGE SYSTEMS.

**REFER TO CK DRAWING 300 FOR PLAN
LAYOUT OF DRAINAGE NETWORK**

F ₈ - 8/0		
Rev.	Revision	Date

DRAWING STATUS					
P	PRELIMINARY	A	APPROVAL	T	TENDER
C	CONSTRUCTION	R	RECORD	I	INFORMATION



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PROJECT	GCC SOCIAL HOUSING, PORTUMNA, CO. GALWAY
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CLIENT	GALWAY COUNTY COUNCIL
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TITLE	FOUL DRAINAGE SECTIONS
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PROJECT No. 24-116

DATE MAY 2025

SCALE
1:500,100,@ A1

AC

CHECKED
BC

STATUS - DRAWING No.

DRAWING	REV.
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