

S:\MGC0716 - Keeraun Social Housing Galway CC\6.0 Drawings\DR\DR0001 - Storm Water Network\MGC0716-RPS-00-XX-C-DR0001 - Storm Water Drainage.dwg

LEGEND

- SITE BOUNDARY
- EXISTING SURFACE WATER SERVICE & MANHOLE
- EXISTING SURFACE WATER SERVICE & MANHOLE TO BE DECOMMISSIONED
- PROPOSED SURFACE WATER SERVICE & MANHOLE TO BE DIVERTED
- PROPOSED SURFACE WATER SERVICE & MANHOLE
- EXISTING FOUL WATER SERVICE & MANHOLE
- EXISTING FOUL WATER SERVICE & MANHOLE TO BE DECOMMISSIONED
- PROPOSED FOUL WATER SERVICE & MANHOLE TO BE DIVERTED
- PROPOSED FOUL WATER SERVICE & MANHOLE
- FOUL NETWORK WITH CONCRETE SURROUND
- STORM NETWORK WITH CONCRETE SURROUND
- EXISTING 250mm WATER MAIN
- PROPOSED 150mm WATERMAIN
- PROPOSED GULLY
- PROPOSED SLUICE VALVE
- PROPOSED AIR VALVE
- PROPOSED BULK FLOW METER
- NON RETURN VALVE
- HYDRANT
- PROPOSED THRUST BLOCK

STORM WATER DIVERSION - NETWORK DETAILS							
Manhole Name	Cover Level (m)	MH Depth (m)	Pipe Out PN	Pipes In Invert Level (m)	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In Backdrop (mm)
DS1	59.290	1.350	DS1.000		57.940	300	
DS2	59.250	1.489	DS1.001	57.761	57.761	300	
DS3	58.750	1.493	DS1.002	57.257	57.257	300	
DS4	58.250	1.325	DS1.003	56.925	56.925	300	
DS5	58.250	1.657	DS1.004	56.593	56.593	300	
DS6	58.300	1.870	DS1.005	56.430	56.430	300	
DS7	58.000	1.996	DS1.006	56.004	56.004	300	
DS8	58.000	2.387	DS1.007	55.613	55.613	300	
DS9	57.750	2.397	DS1.008	55.353	55.353	300	
DS	57.450	2.213		55.237	OUTFALL		

CULVERT DIVERSION - NETWORK DETAILS							
Manhole Name	Cover Level (m)	MH Depth (m)	Pipe Out PN	Pipes In Invert Level (m)	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In Backdrop (mm)
C1	57.800	1.950	C1.000		55.850	900	
C2	58.000	2.206	C1.001	55.794	55.794	900	
C3	58.000	2.227	C1.002	55.773	55.773	900	
C4	58.000	2.419	C1.003	55.581	55.581	900	
C5	57.950	2.585	C1.004	55.365	55.365	900	
C	57.950	2.816		55.134	OUTFALL		

STORM WATER - NETWORK DETAILS							
Manhole Name	Cover Level (m)	MH Depth (m)	Pipe Out PN	Pipes In Invert Level (m)	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In Backdrop (mm)
S01	59.250	1.000	S1.000		58.250	300	
S10	58.750	1.250	S2.000		57.500	300	
S11	59.000	1.569	S2.001	57.431	57.431	300	
S12	59.000	1.644	S2.002	57.356	57.356	300	
S13	59.000	1.722	S2.003	57.278	57.278	300	
S02	59.000	1.802	S1.001	58.216	57.198	300	1018
S03	59.000	1.952	S1.002	57.048	57.048	300	
S04	59.000	2.040	S1.003	56.960	56.960	300	
S05	59.000	2.128	S1.004	56.872	56.872	300	
S14	58.000	1.000	S3.000		57.000	300	
S06	58.500	1.769	S1.005	56.806	56.731	375	
S15	58.250	1.250	S4.000		57.000	300	
S07	58.250	1.632	S1.006	56.618	56.618	375	
S16	58.250	1.250	S5.000		57.000	300	
S17	58.750	2.000	S6.000		56.750	300	
S18	58.500	1.783	S5.001	56.903	56.717	300	186
S19	58.750	1.300	S7.000		57.450	300	
S20	59.000	1.750	S7.001	57.327	57.250	300	77
S21	58.250	1.564	S5.002	56.686	56.686	300	
ST MH	58.150	1.715	S1.007	56.510	56.435	450	
PI	58.150	1.839	S1.008	56.411	56.311	450	100mm accounts for PI
ATT IN	58.150	1.859	S1.009	56.291	56.291	450	
ATT	58.150	2.711	S1.010	56.239	55.439	450	800mm accounts for ATT
S08	58.150	2.788	S1.011	55.362	55.362	450	
S09	58.150	2.877	S1.012	55.273	55.273	450	
	57.450	2.192		55.258	OUTFALL		

- Foul Sewer Notes:
- All foul sewer works shall be carried out in accordance with Irish Water Standard Details and Code of Practice for Wastewater Infrastructure Document CDS-5030-03.
 - All pipe materials shall comply with the Irish Water Code of Practice for Wastewater Infrastructure Document CDS-5030-03.
 - Foul sewer service connections and inspection chambers shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - All manhole chambers shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - Trench backfill and bedding shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - Concrete bed, haunch and surround shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - Separation distances from other services, boundary walls etc. shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - Separation distances from trees, shrubs etc. shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
- Storm Sewer Notes:
- All pipe materials shall comply with Irish Water Code of Practice for Wastewater Infrastructure Document CDS-5030-03.
 - All manhole chambers shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - Trench backfill and bedding shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - Concrete bed, haunch and surround shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
- Watermain Notes:
- All watermain works shall be carried out in accordance with Irish Water Standard Details and Code of Practice for Water Infrastructure Document CDS-5020-03.
 - All pipe materials shall be in compliance with Section 3.9 of Irish Water Code of Practice Document CDS-5020-03.
 - Individual water service connections and boundary boxes shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5020-01.
 - Separation distances from other services, boundary walls etc. shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - Separation distances from trees, shrubs etc. shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - On line and off-line air valve details shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - Sluice valve details shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - On line and off-line hydrant details shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.
 - Scour valve and chamber details shall be in accordance with Irish Water standard details as set out in IW Wastewater Infrastructure Standard Details document - IW-CDS-5030-01.

P05	31.08.21	CS	Issue for Stage Approval	DT
Rev	Date	Dr	Amendment / Issue	App

Client			
Galway City Council			
Project			
Housing Development , Keeraun, Ballymoneen Road, Galway			
Title			
Storm Water Network Layout			
Model File Identifier			
MGC0716-RPS-00-XX-C-DR0001			
File Identifier			
MGC0716-RPS-00-XX-C-DR0001-01			
Created on		Sheets	
December 2020		01 of 02	
Scale		Status	Rev
1:250 @ A1 1:500 @ A3		S4	P05