

This drawing is produced using the
Irish Transverse Mercator (ITM) / Irish Grid
Geographic Coordinate System

A0

PROPOSED WATERMAIN LEGEND:

PROPOSED 110mm OUTSIDE Ø SDR 17 PE WATERMAIN	-----
PROPOSED 160mm OUTSIDE Ø SDR 17 PE WATERMAIN	-----
PROPOSED 225mm OUTSIDE Ø SDR 17 PE WATERMAIN	-----
PROPOSED WATERMAIN CONNECTION TO UNITS WITH BOUNDARY BOX	-----
PROPOSED AIR VALVE	●
PROPOSED FIRE HYDRANT	●
PROPOSED SLUICE VALVE	●
PROPOSED SCOUR VALVE	●
PROPOSED WATER METER	●
EXISTING WATERMAIN LEGEND:	
EXISTING WATERMAIN PIPE	-----
EXISTING FIRE HYDRANT	●
EXISTING WATER METER	●
EXISTING AIR VALVE	●
EXISTING SLUICE VALVE	●

NOTE:

- THE PROPOSED FUTURE WATERMAIN SHOWN IN MAGENTA ON THIS DRAWING IS TO BE CONSTRUCTED AS PART OF THE ONGAR TO BARNHILL DISTRIBUTOR ROAD SCHEME BY FINGAL COUNTY COUNCIL. THE ONGAR TO BARNHILL DISTRIBUTOR ROAD IS TO BE DELIVERED PRIOR TO THE CONSTRUCTION OF THE BARNHILL LAP DEVELOPMENT. THE WATERMAIN SHOWN IN MAGENTA ON THIS DRAWING WILL THEREFORE BE PART OF THE FUTURE RECEIVING ENVIRONMENT FOR THE BARNHILL LAP DEVELOPMENT TO ALLOW WATERMAIN CONNECTIONS. BULK FLOW METERS HAVE BEEN SHOWN AT EACH CONNECTION POINT TO THIS WATERMAIN.
- NO HYDRANTS ARE CLOSER THAN 6m TO A PROPOSED OR EXISTING STRUCTURE. NO PROPERTY WITHIN THIS PROPOSED DEVELOPMENT IS MORE THAN 46m FROM A FIRE HYDRANT.
- NO NEW WATERMAIN WITHIN THE PROPOSED DEVELOPMENT UP TO AND INCLUDING 150mm Ø IS LAID WITHIN 3m OF AN EXISTING OR PROPOSED STRUCTURE. NO NEW WATERMAIN WITHIN THE PROPOSED DEVELOPMENT BETWEEN 200mm Ø & 600mm Ø DIAMETERS ARE LAID WITHIN 5m OF AN EXISTING OR PROPOSED STRUCTURE.
- GAS MAINS ARE NOT PROPOSED TO BE CONSTRUCTED AS PART OF THE PROPOSED BARNHILL LAP DEVELOPMENT.
- ALL WATERMAIN "T" JUNCTIONS HAVE BEEN SHOWN AT 90 DEGREE ANGLES.
- BOOSTED WATER SUPPLY SYSTEMS SHALL BE USED AT THE PROPOSED APARTMENT BUILDING WITHIN THE BARNHILL LAP DEVELOPMENT. BOOSTED WATER SUPPLY SYSTEMS AT THE APARTMENTS WILL BE DESIGNED BY THE M&E FOR THE DEVELOPMENT DURING DETAILED DESIGN OF THE DEVELOPMENT.
- SCOUR VALVES THAT WILL BE CONSTRUCTED TO IRISH WATER STANDARDS HAVE BEEN SHOWN AT THE LOCALISED LOW POINTS OF THE PROPOSED DEVELOPMENT WATERMAIN. SCOUR VALVES ARE SHOWN AS BEING OFFLINE AND ARE CONNECTED TO A SURFACE WATER MANHOLE.
- ALL COMMERCIAL PREMISES PROPOSED WITHIN THE BARNHILL LAP DEVELOPMENT HAVE INDIVIDUAL SERVICE CONNECTIONS AND BULK FLOW METERS. METER TO BE SELECTED, SUPPLIED, AND FITTED BY IRISH WATER.

PROPOSED 110mm OUTSIDE
DIAMETER SDR 17 PE
WATERMAIN TO CONNECT TO
FUTURE 110mm Ø PE WATERMAIN
(CONSTRUCTED AS PART OF THE
ONGAR DISTRIBUTOR ROAD
SCHEME) AT THIS LOCATION

PROPOSED 225mm OUTSIDE
DIAMETER SDR 17 PE WATERMAIN TO
CONNECT TO FUTURE 225mm Ø PE
WATERMAIN (CONSTRUCTED AS PART OF THE
ONGAR DISTRIBUTOR ROAD
SCHEME) AT THIS LOCATION

PROPOSED 225mm OUTSIDE
DIAMETER SDR 17 PE WATERMAIN TO
CONNECT TO FUTURE 225mm Ø PE
WATERMAIN (CONSTRUCTED AS PART OF THE
ONGAR DISTRIBUTOR ROAD
SCHEME) AT THIS LOCATION

PROPOSED 110mm OUTSIDE
DIAMETER SDR 17 PE
WATERMAIN TO CONNECT
TO FUTURE 110mm Ø PE
WATERMAIN (CONSTRUCTED
AS PART OF THE ONGAR
DISTRIBUTOR ROAD
SCHEME) AT THIS LOCATION

PROPOSED 110mm OUTSIDE
DIAMETER SDR 17 PE
WATERMAIN TO CONNECT TO
FUTURE 110mm Ø PE WATERMAIN
(CONSTRUCTED AS PART OF THE
ONGAR DISTRIBUTOR ROAD
SCHEME) AT THIS LOCATION

PROPOSED 225mm OUTSIDE
DIAMETER SDR 17 PE
WATERMAIN TO CONNECT TO
FUTURE 225mm Ø PE WATERMAIN
(CONSTRUCTED AS PART OF THE
ONGAR DISTRIBUTOR ROAD
SCHEME) AT THIS LOCATION

PROPOSED 160mm OUTSIDE
DIAMETER SDR 17 PE
WATERMAIN TO ALLOW FOR
CONNECTION TO PROPOSED
FOUL PUMPING STATION

PROPOSED FUTURE
ONGAR-BARNHILL
DISTRIBUTOR ROAD

PROPOSED FUTURE
ROUNDOUT ACCESS
TO FUTURE BARNHILL
DEVELOPMENT

PROPOSED FUTURE
ROUNDOUT ACCESS
TO FUTURE BARNHILL
DEVELOPMENT

PUBLIC
OPEN
SPACE

HANSFIELD
SDZ LANDS

HANSFIELD
TRAIN
STATION

VILLAGE
CENTRE

PAKENHAM
BRIDGE

ROYAL CANAL

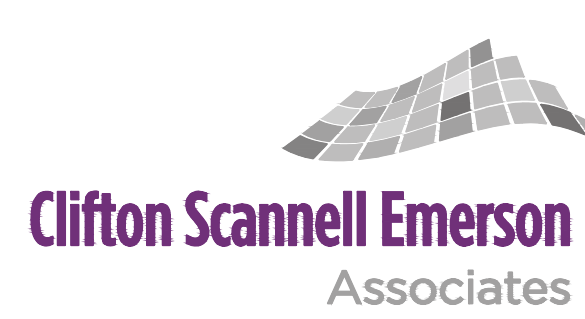
DUBLIN - MAYWOOTH
RAILWAY LINE

TO EXISTING ONGAR
DISTRIBUTOR ROAD

PROPOSED FUTURE
ONGAR-BARNHILL
DISTRIBUTOR ROAD

CLONSILLA - PACE
RAILWAY LINE

EXISTING
STREAM

01	FOR PLANNING	CP	28.06.22
Revision	Description	Initials	Date
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Client	ALANNA HOMES AND ALCOVE IRELAND FOUR LIMITED		
Project	BARNHILL GARDEN VILLAGE STRATEGIC HOUSING DEVELOPMENT (SHD)		
Draw Title	PROPOSED WATERMAIN NETWORK LAYOUT		
Drawn By	AW & KF	Date	JULY 2022
Checked by	CP	Scale	1:1000 @ A0
Draw Progress	PLANNING		
Draw No.	16_153_035		