



LEGEND: PROPOSED:

- ROAD EDGE
- FOOTPATH EDGE
- ROAD CENTRELINE
- PROPOSED BUILDING
- FINISHED FLOOR LEVEL (FFL 99.99)
- PROPOSED BASEMENT
- APPLICATION BOUNDARY

PROPOSED SERVICES:

- 300mm DIA. DIVERTED WATERMAIN
- 100/150mm DIA. WATERMAIN
- HYDRANT
- SLUCE VALVE
- SCOUR VALVE
- AIR VALVE
- BULK WATER METER
- EX 12" DIA. WATERMAIN TO BE DIVERTED & REMOVED
- WAYLEAVE OVER DIVERTED 300mm DIA. WATERMAIN
- ROAD LEVEL (+99.99)

EXISTING SERVICES:

- EX. 300mm DIA. WATERMAIN
- EX. SLUCE VALVE
- EX. HYDRANT

© COPYRIGHT OF THIS DRAWING IS RESERVED BY DBFL CONSULTING ENGINEERS. NO PART SHALL BE REPRODUCED OR TRANSMITTED WITHOUT THEIR WRITTEN PERMISSION.

ON ORIGINAL

NOTES:

- ALL DIMENSIONS AND LEVELS IN METRES, EXCEPT IF NOTED OTHERWISE.
- ALL LEVELS TO MAIN HEAD DATUM.
- COORDINATE SYSTEM IS IRISH TRANSVERSE MERCATOR.
- REFER TO ARCHITECTS PLAN LAYOUTS FOR SITE BOUNDARY / CLIENT OWNERSHIP BOUNDARY / WORKS BOUNDARY.

WATERMAIN:

- WATERMAIN MATERIAL TO BE DUCTILE IRON (C40 PRESSURE RATING) / HDPE OR HDPE (TYPE PE100-SDR17) / MDPE (TYPE PE80-SDR11). SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF IRISH WATER CODE OF PRACTICE.
- SERVICE CONNECTIONS TO BE HDPE (TYPE PE100-SDR17) OR MDPE (TYPE PE80-SDR11). SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF IRISH WATER CODE OF PRACTICE.
- COVER TO WATERMAIN TO BE MINIMUM 900mm.
- COVER TO SERVICE CONNECTIONS TO BE MINIMUM 750mm.
- HYDRANTS TO BE 6m MIN. & 46m MAXIMUM FROM BUILDINGS.
- ALL COVERS IN PUBLIC AREAS TO BE IN EN 124 D400 UNLESS NOTED OTHERWISE.
- SPOCKET SOCKET CONNECTIONS TO BE USED AT PVC/ DUCTILE IRON JUNCTIONS.
- ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES.
- FOR APARTMENTS BLOCKS, A METER WILL BE INSTALLED INTERNALLY WITHIN THE PREMISES IN ACCORDANCE WITH THE BUILDING CONTROLS AUTHORITY REQUIREMENTS AND SUBJECT TO REVIEW BY IRISH WATER. SEE SECTION 3.15.2 OF THE IRISH WATER CODE OF PRACTICE.
- BULK METERS ARE TO BE PROVIDED WHERE THE DAILY DEMAND EXCEEDS 20m³ (EQUIVALENT OF 40 DOMESTIC UNITS) IN ACCORDANCE WITH SECTION 2.4.3 AND 2.6.5 OF THE IRISH WATER CODE OF PRACTICE.
- AIR VALVE AND HYDRANTS COVERS, WHERE LOCATED IN GRASS AREAS, SHALL BE SURROUNDED BY A CONCRETE PLINTH, 200mm ALL ROUND AND 100mm DEEP FORMED WITH C20/25 CONCRETE, 20mm AGGREGATE SIZE, BEDDED IN CLAUSE 808 MATERIAL. THE PLINTH SHALL INCORPORATE MILD STEEL REINFORCEMENT LINKS AND SHALL HAVE A BULL-NOSE FINISH AROUND ITS EXTERNAL PERIMETER. SEE SECTION 3.18 OF IRISH WATER CODE OF PRACTICE.
- NOTE RESTRICTIONS ON PLANTING ADJACENT TO WATER MAINS AS PER DETAIL L.W. DETAIL STD-W-12A.
- NOTE TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTALLY AND VERTICALLY) AS PER L.W. DETAIL STD-W-11.
- SCOUR VALVE ON OFF-LINE PIPE, CONNECTED TO SURFACE WATER MANHOLE. A NON-RETURN VALVE IS TO BE PROVIDED IN THIS MANHOLE TO PREVENT BACKFLOW TO THE WATER SUPPLY NETWORK SYSTEM. CONNECTION TO BE AGREED WITH THE LOCAL AUTHORITY. REFER TO SECTION 3.16.4 AND 3.21 OF THE IRISH WATER CODE OF PRACTICE.
- AN AIR VALVE IS PROVIDED AT THE HIGH POINT. REFER TO SECTION 3.16.6 OF IRISH WATER CODE OF PRACTICE.
- IF A CONNECTION TO A SURFACE WATER MANHOLE IS NOT FEASIBLE, PROVIDE A CONNECTION TO A WASHOUT HYDRANT IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-30A. A SCOUR VALVE IS LOCATED AT THE LOW POINT & CONNECTED TO A SURFACE WATER MANHOLE WITH A NON-RETURN VALVE. REFER TO SECTIONS 3.16.4 & 3.21 OF THE IRISH WATER CODE OF PRACTICE.
- SLUCE VALVES PROVIDED AT ALL JUNCTIONS. REFER TO SECTION 3.16.2 AND 3.5.39 OF THE IRISH WATER CODE OF PRACTICE.
- MEASURES TO BE PUT IN PLACE TO ENSURE NO CROSS CONTAMINATION OCCURS BETWEEN THE FIRE WATER STORAGE AND POTABLE WATER WITHIN THE SUPPLY INFRASTRUCTURE AS PER SECTION 1.19 OF THE IRISH WATER CODE OF PRACTICE. REFER TO M&E CONSULTANTS DRAWINGS FOR DETAILS.
- NEW WATERMANS UP TO AND INCLUDING 150mm IN DIAMETER SHALL NOT BE LAID WITHIN 3m OF AN EXISTING OR PROPOSED STRUCTURE. SEE SECTION 3.5.9 OF IRISH WATER CODE OF PRACTICE.
- ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH:
 - IRISH WATER "CODE OF PRACTICE FOR WATER INFRASTRUCTURE" AND "IRISH WATER INFRASTRUCTURE STANDARD DETAILS".
 - TI SPECIFICATION FOR ROADWORKS
 - GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
 - RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS
- CE CERTIFICATION TO BE PROVIDED FOR ALL PRODUCTS COVERED BY THE EU CONSTRUCTION PRODUCTS REGULATION (NO.305/2011-CPR).
- ALL MATERIALS PROPOSED FOR USE ON SITE TO BE APPROVED PRIOR TO ARRIVAL ON SITE.
- LEVELS AND POSITIONS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

ORDNANCE SURVEY IRELAND LICENCE
No EN 0017919
© ORDNANCE SURVEY IRELAND
GOVERNMENT OF IRELAND

B	21/06/19	LAYOUT REVISED TO RSA COMMENTS	KAL/E	SVC
A	21/05/19	REVISED FOR PLANNING	KAL/E	SVC
REV.	DATE	DESCRIPTION	BY	CHKD.

PLANNING			
DESIGNED	LMC	PREPARED	KAL/E
DATE	MAR 2019	CHECKED	PMF

DBFL Dublin Office Ormond House, Upper Ormond Quay, Dublin 7, Ireland. phone +353 1 400 4000 fax +353 1 400 4000

Waterford office Unit 2, The Chandlery, 1-2 O'Connell Street, Waterford, Ireland. phone +353 51 309 500 fax +353 51 844 913

DBFL Consulting Engineers email info@dbfl.ie site www.dbfl.ie

PROJECT
PROPOSED RESIDENTIAL DEVELOPMENT AT CHURCH ROAD, KILLINEY, CO. DUBLIN

DRG. TITLE
WATERMAIN LAYOUT PLAN

ARCHITECT
OMAHONY PIKE ARCHITECTS

SCALE 1:500 @A1 FILE REF. 180153-3000

DRG. NO. **180153-3002** **B**