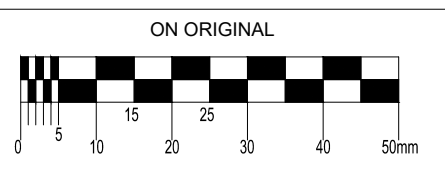
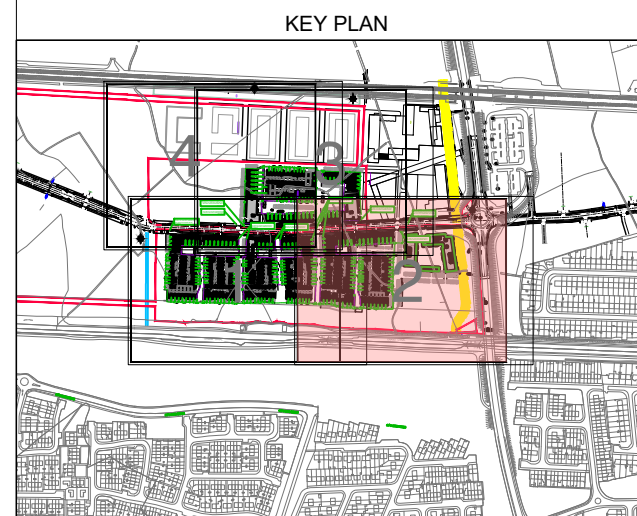


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- NOTES:
1. ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
 2. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF EXISTING WATERMANS AND LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE.
 3. ALL DIMENSIONS AND LEVELS ARE IN METERS AND ARE RELATED TO ORDNANCE DATUM. CO-ORDINATES RELATE TO IRISH TRANSVERSE MERCATOR.
 4. ALL WATERMANS VALVES AND FITTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS AND IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
 5. CONNECTION TO EXISTING WATERMANS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER STANDARD DETAILS STD-W-03 TO STD-W-10.
 6. ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS).
 7. DISMANTLING JOINTS TO BE INSTALLED AT EACH SLUICE VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-15.
 8. CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STD-W-03. METERS FOR APARTMENTS SHALL BE INSTALLED INTERNALLY WITHIN THE PREMISES IN ACCORDANCE WITH THE BUILDING CONTROL AND IRISH WATER REQUIREMENTS.
 9. MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-27.
 10. CONNECTION TO EXISTING WATERMANS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
 11. CONTRACTOR TO LIASE WITH IRISH WATER AND / OR THE LOCAL AUTHORITY AS REQUIRED REGARDING TESTING, CLEANSING AND STERILIZATION OF WATERMANS.
 12. WATERMANS TO BE PRESSURE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER AND ION 4-01-03, GUIDE TO TESTING OF PRESSURE PIPES AND FITTINGS FOR USE BY PUBLIC WATER SUPPLIERS, OCTOBER 2015. A FORMAL TEST REPORT SHALL BE SUBMITTED TO THE ENGINEER DETAILING THE TEST CARRIED OUT.

- LEGEND
- PROPOSED SITE BOUNDARY
 - PROPOSED #110mm OD PE 100 SDR17 WATERMAIN
 - PROPOSED #160mm OD PE 100 SDR17 WATERMAIN
 - PROPOSED BULK WATER METER
 - AIR VALVE (W STD-W-20/ STD-W-22)
 - HYDRANT (W STD-W-18/ STD-W-19)
 - SLUICE VALVE (W STD-W-14/ STD-W-15)
 - PROPOSED BOUNDARY BOX (W STD-W-03)
 - TRUNK #300mm WATERMAIN (AS PART OF THE CSLS)
 - TRUNK #400mm WATERMAIN (AS PART OF THE CSLS)
 - #150mm WATERMAIN (AS PART OF THE CSLS)
 - #200mm WATERMAIN (AS PART OF THE CSLS)
 - EXISTING WATERMAIN
 - PROPOSED ROAD LEVEL
 - PROPOSED ROAD GRADIENT



- LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT
- STD-W-01 WATER SERVICE CONNECTION RESPONSIBILITY
 - STD-W-02 TYPICAL LAYOUT FOR WATERMANS WITHIN DEVELOPMENTS
 - STD-W-03 CUSTOMER CONNECTION AND BOUNDARY BOX (25mm OD PIPE)
 - STD-W-04 GENERAL PIPE CONNECTIONS (SHEET 1 OF 7)
 - STD-W-05 GENERAL PIPE CONNECTIONS (SHEET 2 OF 7)
 - STD-W-06 GENERAL PIPE CONNECTIONS (SHEET 3 OF 7)
 - STD-W-07 GENERAL PIPE CONNECTIONS (SHEET 4 OF 7)
 - STD-W-08 GENERAL PIPE CONNECTIONS (SHEET 5 OF 7)
 - STD-W-09 GENERAL PIPE CONNECTIONS (SHEET 6 OF 7)
 - STD-W-10 GENERAL PIPE CONNECTIONS (SHEET 7 OF 7)
 - STD-W-11 TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES
 - STD-W-12 RESTRICTIONS ON WATER INFRASTRUCTURE WORKS ADJACENT TO EXISTING TREES
 - STD-W-12A RESTRICTIONS ON NEW TREES/SHRUBS PLANTING ADJACENT TO WATER MAINS
 - STD-W-13 TRENCH BACKFILL/BEDDING & REDUCED COVER PROTECTION SLAB DETAIL
 - STD-W-14 SLUICE VALVE FOR DUCTILE IRON (D.I.) PIPE (<350MM DIA.) (SHEET 1 OF 2)
 - STD-W-15 SLUICE VALVE FOR POLYETHYLENE (P.E.) PIPE (<350MM DIA.) (SHEET 2 OF 2)
 - STD-W-16 ON-LINE HYDRANT FOR DUCTILE IRON (D.I.) PIPE (SHEET 1 OF 4)
 - STD-W-17 OFF-LINE HYDRANT FOR DUCTILE IRON (D.I.) PIPE (SHEET 2 OF 4)
 - STD-W-18 ON-LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPE (SHEET 3 OF 4)
 - STD-W-19 OFF-LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPE (SHEET 4 OF 4)
 - STD-W-20 ON-LINE AIR VALVE FOR DUCTILE IRON (D.I.) PIPE (SHEET 1 OF 4)
 - STD-W-21 OFF-LINE AIR VALVE FOR DUCTILE IRON (D.I.) PIPE (SHEET 2 OF 4)
 - STD-W-22 ON-LINE AIR VALVE FOR POLYETHYLENE (P.E.) PIPE (SHEET 3 OF 4)
 - STD-W-23 OFF-LINE AIR VALVE FOR POLYETHYLENE (P.E.) PIPE (SHEET 4 OF 4)
 - STD-W-24 PRESSURE REDUCING/SUSTAINING VALVE CHAMBER IN-SITU R.C. OPTION
 - STD-W-25 BOOSTER PUMP STATION ARRANGEMENT
 - STD-W-26 ELECTROMAGNETIC METER CHAMBER (dn80-dn250mm Dia)
 - STD-W-26A CHAMBER FOR FLANGED MECH. METER WITHOUT STRAINER (dn40-dn250mm Dia)
 - STD-W-26B CHAMBER FOR FLANGED MECH. METER WITH SEPARATE STRAINER CHAMBER (dn100-dn250mm Dia)
 - STD-W-26C THREADED ROTARY PISTON FLOW METER CHAMBER (dn30-dn40mm Dia) IN-SITU CONCRETE OPTION
 - STD-W-26D THREADED ROTARY PISTON FLOW METER CHAMBER (dn30-dn40mm Dia) PRECAST CONCRETE OPTION
 - STD-W-26E THREADED ROTARY PISTON FLOW METER CHAMBER (dn30-dn40mm Dia) BLACKWORK OPTION
 - STD-W-26F BY-PASS FLOW METER CHAMBER (25-32mm O.D. Dia) FOR DEVELOPMENTS WITH <20m³/DAY WATER USE
 - STD-W-26G FLOW METER CHAMBER (25-32mm O.D. Dia)
 - STD-W-27 MARKER POSTS/PLATES
 - STD-W-28 WATER MAIN THRUST & SUPPORT BLOCKS
 - STD-W-29 DUCT CHAMBER
 - STD-W-30 SCOUR CHAMBER & HEAD WALL ARRANGEMENTS
 - STD-W-30A WASHOUT HYDRANT
 - STD-W-30B SCOUR CHAMBER TO STORM SEWER ARRANGEMENTS
 - STD-W-31 TYPICAL DITCH/STREAM CROSSING FOR WATERMAIN DUCTILE IRON OPTION
 - STD-W-31A TYPICAL DITCH/STREAM CROSSING FOR WATERMAIN POLYETHYLENE OPTION
 - STD-W-32 TYPICAL BRIDGE CROSSING FOR WATERMAIN (SHEET 1 OF 2)
 - STD-W-32 TYPICAL BRIDGE CROSSING FOR WATERMAIN (SHEET 2 OF 2)
 - STD-W-33 TYPICAL CULVERT AND SERVICES CROSSING DETAILS FOR WATERMAIN
 - STD-W-34 SECURITY GATE AND FENCING PALISADE OPTION (PREFERRED)
 - STD-W-34A SECURITY GATE AND FENCING WIRE MESH OPTION
 - STD-W-35 PIPE REPAIR TO EXISTING MAINS
 - STD-W-36 FLOW METER KIOSK
 - STD-W-36A PRIVACY CONTROL KIOSK
 - STD-W-37 LAMP BOLLARD AND LAMP STANDARD
 - STD-W-38 WATERMAIN LOOP DETAIL DUCTILE IRON OPTION
 - STD-W-39 WATERMAIN LOOP DETAIL DUCTILE POLYETHYLENE OPTION

REV	DATE	ISSUED FOR PLANNING	DESCRIPTION	DKE	JPC
P01	17-11-21	ISSUED FOR PLANNING		DKE	JPC

client approval: A - Approved, B - Approved with comments, C - Do not use

submittal: S2 - INFORMATION, PLANNING

DBFL Consulting Engineers
Civil, Structural & Transportation Engineering
www.dbfl.ie

DUBLIN OFFICE: Ormond House, Upper Ormond Quay, Dublin 7, Ireland.
PHONE: +353 (0)1 400 4000
CORK OFFICE: Phoenix House, Marabon Road, Cork.
PHONE: +353 (0)21 2054338
WATERFORD OFFICE: Unit 2, The Chandlery, 1-2 O'Connell Street, Waterford, Ireland.
PHONE: +353 (0)51 309 500

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designed by: TCA, author: DKE, scale: 1:500, sheet size: A1

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