



- LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT
- 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 TREES / SHRUBS PLANTING ADJACENT TO WATERMANS
  - STD-W-13 TRENCH BACKFILL & BEDDING
  - 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 (P.R.V. / P.S.V.) CHAMBER
  - STD-W-26 METER CHAMBER (<350MM DIA.)
  - STD-W-27 MARKER POSTS / PLATES
  - STD-W-28 WATER MAIN THRUST & SUPPORT BLOCKS
  - STD-W-30 SCOUR CHAMBER & HEAD WALL ARRANGEMENTS
  - STD-W-30A WASHOUT HYDRANT
  - STD-W-31 TYPICAL DITCH / STREAM CROSSING FOR WATER MAIN

- GENERAL NOTES:
- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE WORKS REQUIREMENTS.
  - ALL DIMENSIONS IN METRES UNLESS SPECIFIED OTHERWISE.
  - ALL CO-ORDINATES ARE TO IRISH TRANSFORMED MONITOR.
  - ALL LEVELS ARE TO ORDNANCE DATUM (MAD) HEAD.
  - ALL TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT SHALL COMPLY FULLY WITH THE WORKS REQUIREMENTS.
  - THE CONTRACTOR MUST LIAISE DIRECTLY WITH LOCAL AUTHORITY DEPARTMENTS AS DIRECTED IN THE WORKS REQUIREMENTS.
  - ALL VEHICULAR & PEDESTRIAN, CYCLE & PRIVATE ACCESS ROUTES WITHIN AND SURROUNDING THE WORKS EXTENTS MUST BE MAINTAINED THROUGHOUT THE WORKS IN ACCORDANCE WITH THE CONTRACTORS APPROVED TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT PLAN.
- DRAWING SPECIFIC NOTES
- WATERMAIN INSTALLATION AND ALL WATER SUPPLY WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER'S CODE OF PRACTICE FOR WATER SUPPLY AND WATER INFRASTRUCTURE STANDARD DETAIL.
  - WATERMAIN (AND SERVICE CONNECTIONS) TO BE PE-100 SDR 17 AND CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
  - COVER TO WATERMAIN TO BE 300mm.
  - CONNECTION BETWEEN EXISTING AND PROPOSED WATERMANS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-15 TO STD-W-16.
  - ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TIES, BRANCHES AND AT EACH END OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS).
  - HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
  - WHERE COVER TO PIPE IS LESS THAN 300mm IN GREEN AREAS AND 1000mm IN TYPICAL URBAN DRAINAGE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.
  - NOTE THAT THE CONTRACTOR IS RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.
  - CONTRACTOR SHALL SAFETY THEMSELVES AS TO THE ACCURACY OF EXISTING SERVICES INFORMATION AND THE LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCING INSTALLATION OF WATERMANS.
  - INSTALLATION OF SLUICE VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATER'S STANDARD DETAILS STD-W-14 TO STD-W-19.
  - HYDRANT AND WASH OUT HYDRANT RISER PIPES TO BE CHAMBERED FLANGED DUCTILE IRON.
  - MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-27.
  - CONNECTION TO EXISTING WATERMANS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
  - CONTRACTOR TO LIAISE WITH IRISH WATER AND / OR THE LOCAL AUTHORITY AS REQUIRED REGARDING CLEANSING AND STABILISATION OF WATERMANS.

- LEGEND:
- SITE BOUNDARY
  - EXISTING WATERMAIN
  - SLUICE VALVE AS PER IRISH WATER STD-W-15
  - HYDRANT AS PER IRISH WATER STD-W-16
  - WATERMAIN
  - AIR VALVE AS PER IRISH WATER STD-W-22
  - WATER METER AS PER IRISH WATER STD-W-26
  - WATER RISER
  - WASHOUT HYDRANT AS PER I.W. STD-W-30A
  - SCOUR VALVE AS PER I.W. STD-W-30
  - BOUNDARY BOX



EXISTING 150mm WATERMAIN TO BE REPLACED WITH 200mm PE100 SDR17 WATERMAIN

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PROJECT: 06-11-19 ISSUED FOR PLANNING JFB BK  
DATE: 06-11-19 DESCRIPTION: SITE SERVICES WATERMAIN LAYOUT  
client approval: A - Approved B - Approved with comments C - Do not use  
utility: PLANNING

SE - INFORMATION DBFL Consulting Engineers  
Civil Structural & Transportation Engineering  
www.dbfl.ie

RESIDENTIAL DEVELOPMENT SCHOLARSTOWN

drawing title: SITE SERVICES WATERMAIN LAYOUT

author: JOHN FLEMING ARCHITECTS

designed by: JFB author: JFB scale: 1:500 sheet size: A0  
drawing no: SCH-DBF-ZZ-XX-DR-C-3103 project: P01

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