

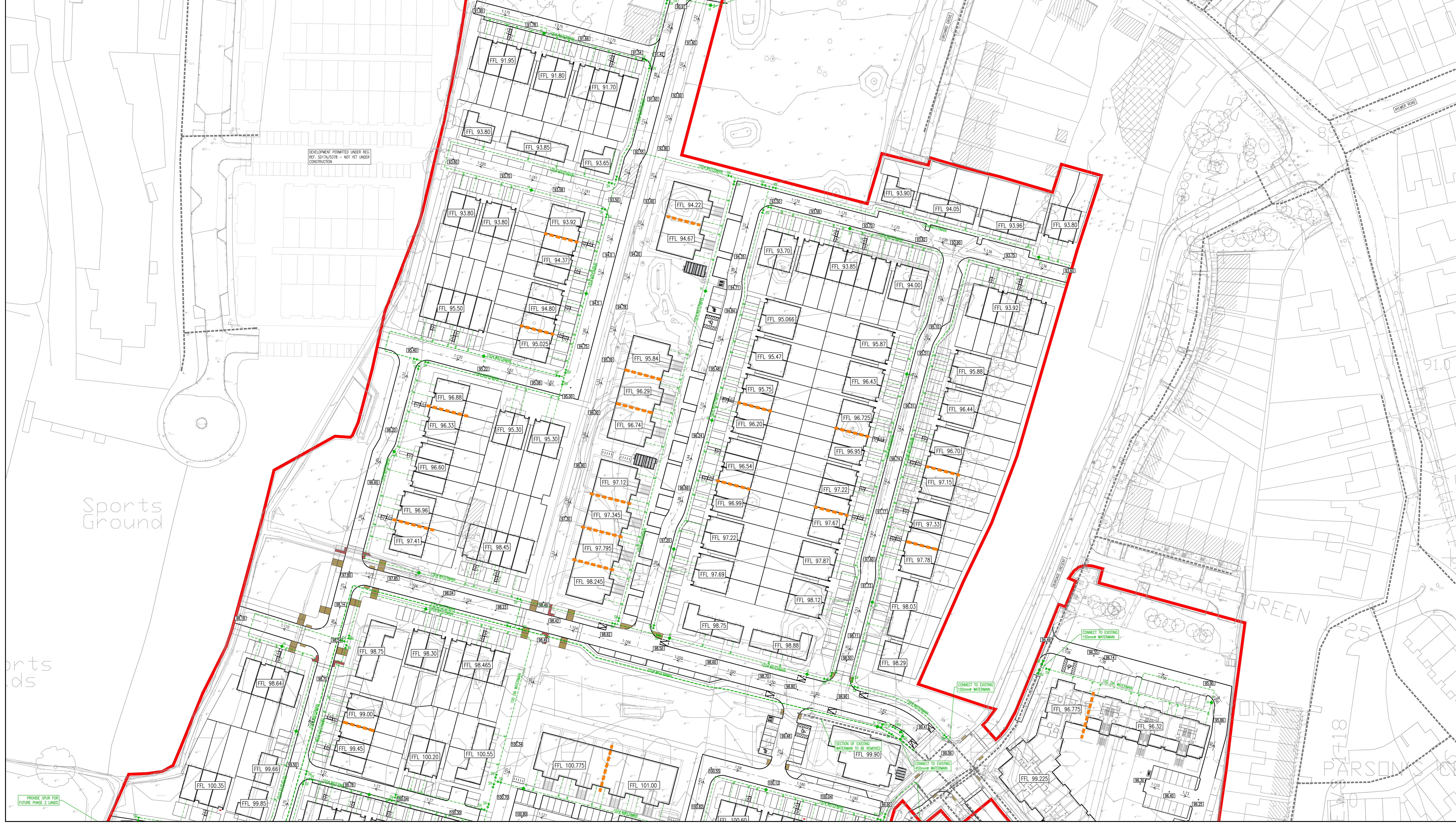
- LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT
- STD-W-04 GENERAL PIPE CONNECTIONS (SHEET 1 OF 7)
 - STD-W-05 GENERAL PIPE CONNECTIONS (SHEET 2 OF 7)
 - STD-W-06 GENERAL PIPE CONNECTIONS (SHEET 3 OF 7)
 - STD-W-07 GENERAL PIPE CONNECTIONS (SHEET 4 OF 7)
 - STD-W-08 GENERAL PIPE CONNECTIONS (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-25 METER CHAMBER (350MM DIA.)
 - STD-W-26 WATER MAIN THRUST & SUPPORT BLOCKS
 - STD-W-27 MARKER POSTS / PLATES
 - STD-W-28 SCOUR CHAMBER & HEAD WALL ARRANGEMENTS
 - STD-W-29 WASHOUT HYDRANT
 - STD-W-30 TYPICAL DITCH / STREAM CROSSING FOR WATER MAIN

- GENERAL NOTES:
1. ALL WORKS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
 2. THE CONTRACTOR SHALL VERIFY HIMSELF AS TO THE ACCURACY OF EXISTING DRAWINGS, LEVELS AND LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCEMENT OF WORK ON SITE.
 3. ALL WATERMANS AND LINES ARE IN METERS AND ARE RELATED TO ORDNANCE DATUM. CO-ORDINATES RELATE TO THE DATUM.
 4. ALL WATERMANS VALVES AND FITTINGS SHALL BE CONNECTED IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS AND IRISH WATER CODE OF PRACTICE FOR WATER MAINS.
 5. ALL WATERMANS SHALL BE HDPE, PE100, SDR11 TO IS EN 12201 PIPE 200MM AND IS EN 12201-2011.
 6. CONNECTION BETWEEN EXISTING AND PROPOSED WATERMANS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-03 TO STD-W-10.
 7. ANCHOR BOLDS TO BE PROVIDED AT 90 DEG. ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-20 (WATER MAIN THRUST) AND SUPPORT BLOCKING/ANCHORING JOINTS TO BE INSTALLED AT EACH SLUICE VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-14 TO STD-W-15.
 8. REGULATION OF SLUICE VALVES, AIR VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-23.
 9. INSTALLATION OF SLUICE VALVES, AIR VALVES AND HYDRANTS 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 LIAISE WITH IRISH WATER AND / OR THE LOCAL AUTHORITY AS REQUIRED REGARDING TESTING, CLEANING AND DECOMMISSIONING OF WATERMANS.
 12. WATERMANS TO BE PRESSURE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER AND IWS 4-6 (1)-11. CODE TO TESTING OF PRESSURE PIPES AND FITTINGS FOR USE IN PUBLIC WATER SUPPLY SYSTEMS 2015. A FORMAL TEST REPORT SHALL BE SUBMITTED TO THE ENGINEER DETAILING THE TEST CARRIED OUT.
 13. ALL AIR VALVES AND HYDRANTS COVERS, WHERE LOCATED IN GRASS AREAS, SHALL BE SURROUNDED BY CONCRETE PLANTS 200MM ALL ROUND AND 100MM DEEP SETTING WITH COVER CONCRETE 100MM THICK. SIZE BEINGS IN CLASSE BOX MATERIAL. THE PLANT SHALL ACCORDATE MILD STEEL WORKING IN LIME AND SHALE WITH A BALL-BEARING BEARING AROUND TO EXISTING PAVEMENT.
 14. ALL WATERMANS PIPE MATERIAL TO BE IN COMPLIANCE WITH IRISH WATER CODE OF PRACTICE.

LEGEND:

- SITE BOUNDARY
- EXISTING WATERMAIN
- 150mm WATERMAIN
- WATERMAIN
- SLUICE VALVES AS PER IRISH WATER STANDARD DETAIL STD-W-14/15
- HYDRANTS AS PER IRISH WATER STANDARD DETAIL STD-W-16/18
- WASHOUT HYDRANTS AS PER IRISH WATER STANDARD DETAIL STD-W-30A
- AIR VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-20/22
- METER CHAMBERS AS PER IRISH WATER STANDARD DETAIL STD-W-25
- BOUNDARY BOX AND 20mm OD FIBRE SERVICE CONNECTION
- PRESSURE REDUCING VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-24

ORDNANCE SURVEY IRELAND LICENCE
No EN 0017918
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GOVERNMENT OF IRELAND



Sports Ground

Sports Grounds

REV. NO.	DATE	DESCRIPTION	BY	CHECKED
B	05/09/23	SHED 3 SUBMISSION TO RFP		
A	11/02/23	REVISED SUBMISSION TO RFP		
REV. NO.	DATE	DESCRIPTION	BY	CHECKED

PLANNING

DESIGNED	NO.03	PREPARED	NO.03
DATE	NOV.2018	CHECKED	DATE

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PROJECT:
LANDS AT NEWCASTLE, SOUTH DUBLIN

DRG. TITLE:
WATERMANS LAYOUT SHEET 1

ARCHITECT:
MOLA

SCALE: 1:500 (A3) FILE REF: 170024-3011

DRG. NO. 170024-3011