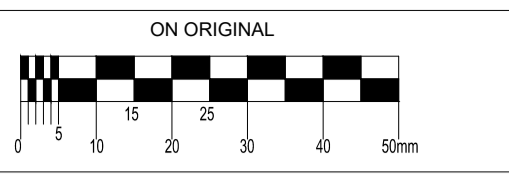


11,176.56 m²



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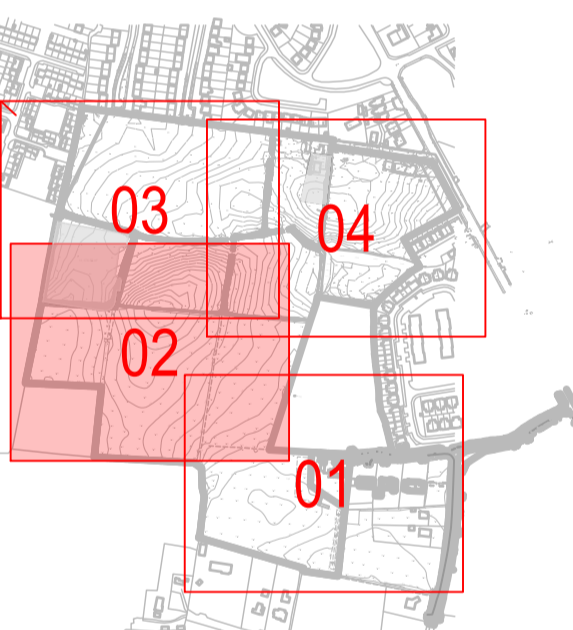
NO CHANGES OF WHATSOEVER NATURE ARE TO BE MADE TO ANY DETAILS SET OUT OR CONTAINED IN ANY DBFL SPECIFICATIONS OR DRAWINGS UNLESS THE EXPRESS CONSENT HAS BEEN OBTAINED IN ADVANCE IN WRITING FROM DBFL.

NOTES:

- GENERAL NOTES:
1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE WORKS REQUIREMENTS.
 2. ALL DIMENSIONS IN METRES UNLESS SPECIFIED OTHERWISE.
 3. ALL CO-ORDINATES ARE TO IRISH NATIONAL GRID.
 4. ALL LEVELS ARE TO ORDNANCE DATUM (MALIN HEAD).
 5. ALL TEMPORARY TRAFFIC MANAGEMENT SHALL COMPLY FULLY WITH THE WORKS REQUIREMENTS - REFER TO APP-117.
 6. THE CONTRACTOR MUST LIAISE DIRECTLY WITH LOCAL AUTHORITY DEPARTMENTS AS DIRECTED IN THE WORKS REQUIREMENTS.
 7. ALL VEHICULAR, PEDESTRIAN & CYCLE ROUTES WITHIN AND SURROUNDING THE WORKS EXTENTS MUST BE MAINTAINED THROUGHOUT THE WORKS IN ACCORDANCE WITH THE CONTRACTORS APPROVED TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT PLAN.
 8. ALL PERMANENT TRAFFIC MANAGEMENT TO BE CONCEALED/REMOVED OR INCORPORATED INTO THE CONTRACTORS TEMPORARY TRAFFIC MANAGEMENT PLAN THROUGHOUT WORKS AND TRANSFERRED ONLY WHEN AGREED WITH LOCAL AUTHORITY TRAFFIC DEPARTMENT.
 9. THE CONTRACTOR IS RESPONSIBLE FOR THE ONGOING MAINTENANCE OF TRAFFIC SIGNALS FROM THE STARTING DATE TO SUBSTANTIAL COMPLETION. THIS INCLUDES ALL TEMPORARY TRAFFIC SIGNALS WHILE IN TRANSITION BETWEEN THE CURRENT TRAFFIC MANAGEMENT REGIME AND THE PROPOSED TRAFFIC MANAGEMENT REGIME.
 10. ALL AGGREGATES PROPOSED FOR USE ON THIS SCHEME SHALL MEET FULLY THE REQUIREMENTS OF THE CONTRACT SPECIFICATION AND IN ADDITION THE REQUIREMENTS STATED IN STANDARD RECOMMENDATION S.R. 21/2014 GUIDANCE ON THE USE OF IS EN 12620/2007 - AGGREGATES FOR UNBOUND AND HYDRAULICALLY BOUND MATERIALS FOR USE IN CIVIL ENGINEERING WORK AND ROAD CONSTRUCTION. FURTHER DETAIL IS PROVIDED IN ADDITIONAL CLAUSE 1448R OF THE CONTRACT SPECIFICATION.

- DRAWING SPECIFIC NOTES:
1. WATERMAIN INSTALLATION AND ALL WATER SUPPLY WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATERS CODE OF PRACTICE FOR WATER SUPPLY AND WATER INFRASTRUCTURE STANDARD DETAILS.
 2. WATERMANS (AND SERVICE CONNECTIONS) TO BE PE-100 SDR-17 AND SHALL CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
 3. AT 90 DEGREE TURNS USE 2 No. 45 DEG BENDS.
 4. COVER TO WATERMAIN TO BE 900mm.
 5. CONNECTION BETWEEN EXISTING AND PROPOSED WATERMANS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-43 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. HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
 8. WHERE COVER TO PIPE IS LESS THAN 900mm IN GREEN AREAS AND 1200mm IN TRAFFICED AREAS, EXCAVE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.
 9. NOTE THAT THE CONTRACTOR IS RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.
 10. CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STD-W-43.
 11. CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE ACCURACY OF EXISTING SERVICES INFORMATION AND THE LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCING INSTALLATION OF WATERMANS.
 12. INSTALLATION OF SLUCE VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATERS STANDARD DETAILS STD-W-14 TO STD-W-19.
 13. MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-27.
 14. CONNECTION TO EXISTING WATERMANS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
 15. CONTRACTOR TO LIAISE WITH IRISH WATER AND/OR THE LOCAL AUTHORITY AS REQUIRED REGARDING CLEANSING AND STERILISATION OF WATERMANS.

KEY PLAN

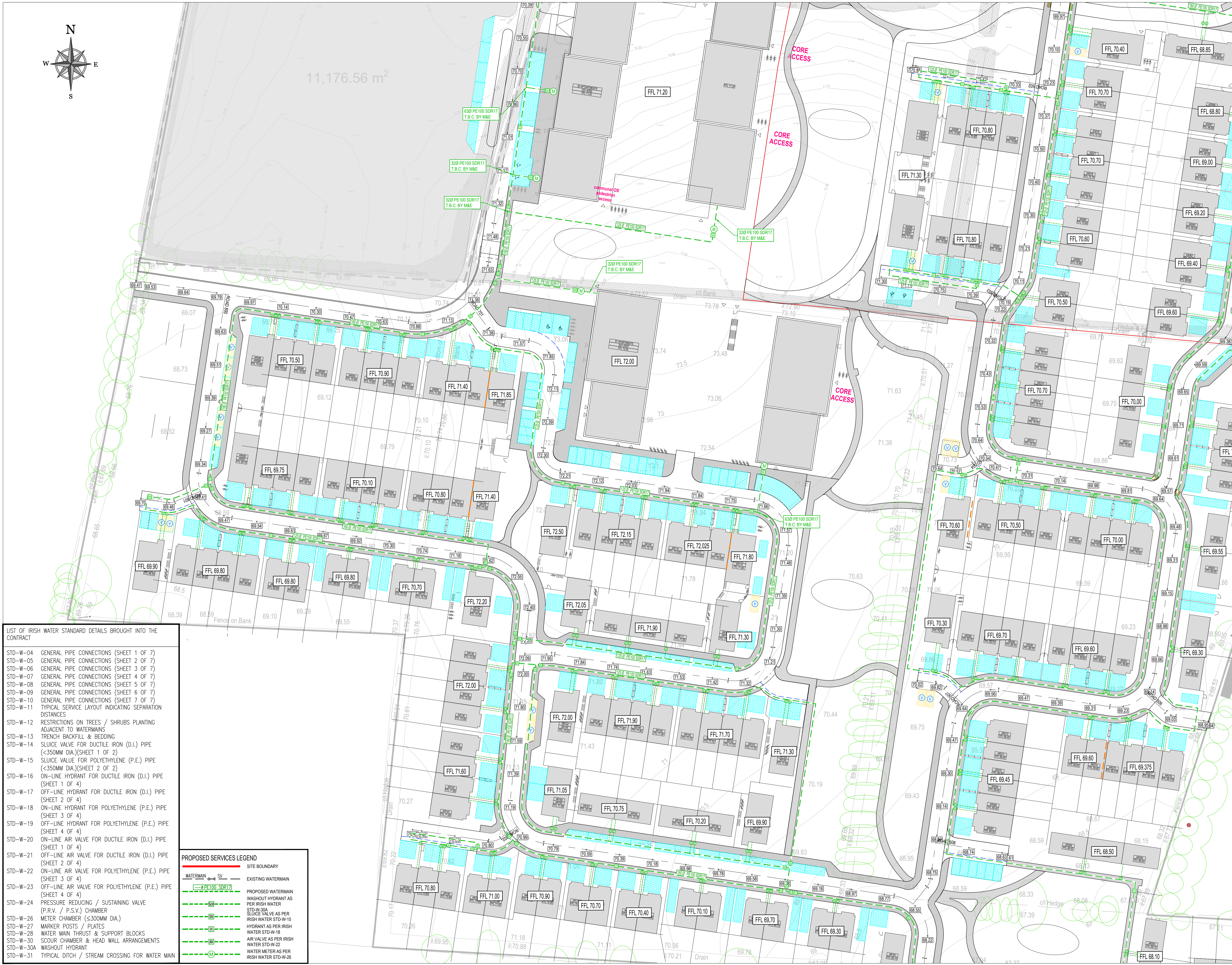
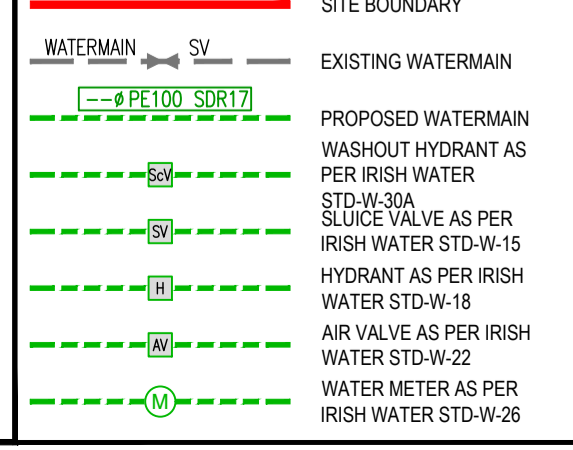


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LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT

- 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 SLUCE VALVE FOR DUCTILE IRON (D.I.) PIPE (<350MM DIA.) (SHEET 1 OF 2)
- STD-W-15 SLUCE 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 (<300MM 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

PROPOSED SERVICES LEGEND



P02	01-09-22	STAGE 3 SHD PLANNING	GMC	BCM
P01	15-12-21	STAGE 2 SHD PLANNING	GMC	BCM
rev	date	description	by	chkd.
		A - Approved		
		B - Approved with comments		
		C - Do not use		

client approval: S2 - INFORMATION issue purpose: PLANNING

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project ref: ASHBOURNE SHD

drawing title: PROPOSED WATERMAIN LAYOUT SHEET 2

client: ARNUP LTD. & ASPECT HOMES (ADC) LTD

designed by: BCM author: JLB scale: 1:500 sheet size: A1 drawing no: 200059-DBFL-WM-SP-DR-C-1302 P02