



- 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 (<300MM DIA.)
  - STD-W-26 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

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- ON ORIGINAL
- LEGEND:
- WATERMAIN SV
  - EXISTING WATERMAIN
  - PROPOSED WATERMAIN
  - WASHOUT HYDRANT AS PER IRISH WATER STD-W-30A
  - SLUICE VALVE AS PER IRISH WATER STD-W-15
  - HYDRANT AS PER IRISH WATER STD-W-16
  - AIR VALVE AS PER IRISH WATER STD-W-22
  - WATER METER AS PER IRISH WATER STD-W-26
  - PROPOSED ROAD GRADIENT
  - EXISTING LEVELS
  - PROPOSED ROAD LEVEL
  - FINISHED FLOOR LEVEL
- NOTES:
- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
  - ALL DIMENSIONS IN METRES UNLESS SPECIFIED OTHERWISE.
  - ALL CO-ORDINATES ARE TO IRISH TRANSVERSE MERCATOR.
  - ALL LEVELS ARE TO ORDNANCE DATUM (MALIN HEAD).
  - ALL TEMPORARY TRAFFIC & ACCESS MANAGEMENT SHALL COMPLY FULLY WITH THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
  - THE CONTRACTOR MUST LIAISE DIRECTLY WITH LOCAL AUTHORITY DEPARTMENTS AS DIRECTED IN THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
  - 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 MANAGEMENT PLAN & CONSTRUCTION MANAGEMENT PLAN.
- WATERMAIN 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 DETAILS.
  - WATERMANS (AND SERVICE CONNECTIONS) TO BE PE-100 SDR-17 AND SHALL CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
  - AT 90 DEG. TURNS USE 2 No. 45 DEG. BENDS.
  - COVER TO WATERMAIN TO BE 900mm.
  - CONNECTION BETWEEN EXISTING AND PROPOSED WATERMANS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-03 TO STD-W-10.
  - 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).
  - HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
  - WHERE COVER TO PIPE IS LESS THAN 900mm IN GREEN AREAS AND 1200mm IN TRAFFICKED AREAS, ENCASE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.
  - NOTE THAT THE CONTRACTOR IS RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.
  - CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STD-W-03.
  - 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.
  - INSTALLATION OF SLUICE VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATER'S STANDARD DETAILS STD-W-14 TO STD-W-19.
  - 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 STERILISATION OF WATERMANS.

|           |                        |
|-----------|------------------------|
| 1:20      | PROPOSED ROAD GRADIENT |
| 57.15     | EXISTING LEVELS        |
| 57.15     | PROPOSED ROAD LEVEL    |
| FFL 99.99 | FINISHED FLOOR LEVEL   |

|     |          |                      |     |       |
|-----|----------|----------------------|-----|-------|
| P02 | 03-12-21 | STAGE 3 SHD PLANNING | RMC | BM    |
| P01 | 06-04-21 | STAGE 2 SHD PLANNING | GMC | DMW   |
| rev | date     | description          | by  | chkd. |

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

|             |                  |               |          |
|-------------|------------------|---------------|----------|
| suitability | S2 - INFORMATION | issue purpose | PLANNING |
|-------------|------------------|---------------|----------|

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project ref.  
RESIDENTIAL DEVELOPMENT  
HOLLYSTOWN

drawing title  
SITE 3 PROPOSED WATERMAIN  
LAYOUT SHEET 2

client  
GLENVEAGH HOMES LIMITED

|                             |          |       |            |
|-----------------------------|----------|-------|------------|
| designed by                 | author   | scale | sheet size |
| DMW                         | GMC      | 1:500 | A1         |
| drawing no.                 | revision |       |            |
| 170182-DBFL-WM-SP-DR-C-1007 | P02      |       |            |

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