

## PIPE BEDDING NOTES:

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3. WATERMAINS SHALL BE LAID IN ACCORDANCE WITH THE LOCAL AUTHORITY / IRISH WATER SPECIFICATION FOR THE LAYING OF NEW WATERMAINS AND BYLAWS WHICH OVER-RIDE THESE NOTES. THE CONSTRUCTION OF THE WATERMAIN SHALL BE IN ACCORDANCE WITH THE BEST CURRENT PRACTICE AND THE LATEST EDITIONS OF THE RELEVANT STANDARDS AND CODES OF PRACTICE.

4. WATERMAINS SHALL NOT BE LAID UNDER WALLS OR AREAS DESIGNATED FOR TREES/SHRUBS/FLOWERS.

5. PIPES SHALL BE HDPE (BLUE PIPE) UNLESS NOTED OTHERWISE BY AGREEMENT WITH THE LOCAL AUTHORITY. DUCTILE IRON PIPES SHALL BE USED UNDER ROADS OF CLASSIFICATION "DISTRICT DISTRIBUTOR" UPWARDS UNLESS NOTED OTHERWISE.

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.

6. PIPES SHALL CONFORM TO THE UK WATER INDUSTRY SPECIFICATION OR EQUIVALENT E.U. SPECIFICATION.

7. DUCTILE IRON (DI) PIPES SHALL CONFORM TO IS EN 545 AND SHALL HAVE MINIMUM C40 PRESSURE RATING. DUCTILE IRON FITTINGS SHALL HAVE 16 BAR RATING AT LEAST DI PIPEWORK SHALL BE COATED INTERNALLY WITH A BLAST FURNACE CEMENT LINING WHICH COMPRISES WITH THE REQUIREMENTS OF BS 6920. EXTERNAL PROTECTION SHALL INCLUDE AN ALLOY OF 70NC AND ALUMINUM WITH A MINIMUM 15% ALUMINUM WITH OR WITHOUT OTHER MATERIALS HAVING A MASS OF 400g/m² COMPETE WITH A FINISHING LAYER OF BLUE FUSION BONDED EPOXY IN ACCORDANCE WITH IS EN 14901.

8. WATERMAINS SHALL BE LAID UNDER FOOTPATHS PREFERABLY OR GRASS MARGINS WHERE APPROVED. NO PIPE, CONDUIT, CABLE OR OTHER SERVICE SHALL BE LAID LONGITUDINALLY OVER THE LINE OF A WATERMAIN. NO CABINET POLES, JUNCTION BOXES OR CHAMBERS SHALL BE CONSTRUCTED OVER A WATERMAIN

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|------------------|---|-------|-------|-------|------|---------|--------|
| <u>SREE BEND</u> | B S S S S S S S S S S S S S S S S S S S | 22.0m | 16.6m | 11.0m | 5.5m | SPACING | ELINES |
|                  | 55 G/2 G/2                              | ,     |       |       |      |         |        |

12. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL WORKS ARE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS. THE CODE OF PRACTICE AND STANDARD DETAILS ARE AVAILABLE TO DOWNLOAD FROM THE IRISH WATER WEB SITE AT WWW.WATER.IE/CONNECTIONS/DEVELOPER—SERVICES/ WHERE THE DETAILS CONTAINED ON THIS DRAWING DIFFER FROM THE IRISH WATER CODE OF PRACTICE OR STANDARD DETAILS THIS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. IRISH WATER STANDARDS WILL TAKE PRECEDENCE

11. CONNECTIONS TO THE MAINS WHICH ARE THE PROPERTY OF THE IRISH WATER CAN BE MADE BY THE IRISH WATER ONLY. NO OTHER PERSON MAY INTERFERE IN ANY WAY WITH THESE MAINS. SUCH CONNECTIONS WILL BE MADE BY IRISH WATER AT THE EXPENSE OF THE PERSONS REQUIRING THEM. THE ESTIMATED COST OF SUCH CONNECTIONS MUST BE LODGED WITH IRISH WATER BEFORE THE WORK IS UNDERTAKEN.

9. THE MINIMUM COVER TO A WATERMAIN SHALL BE 750mm, THE MAXIMUM COVER SHALL BE 900mm UNLESS NOTED OTHERWISE.

|                                |            | 50min G/2 | G/2 |
|--------------------------------|------------|-----------|-----|
| 15 DAD TO 10 DAD TEST DDESSUDE | <u>TEE</u> |           |     |

| Z N        | 15 E                           |   |
|------------|--------------------------------|---|
| NOM.       | 3AR TO 1                       |   |
|            | 8 BAR TES                      | F |
| DIMENSIONS | 15 BAR TO 18 BAR TEST PRESSURE |   |
|            |                                |   |

| NOM. DIMENSIONS DIA. (mm) A B E 100 750 400 220 150 1250 700 250 200 1650 890 320 250 1960 1060 350 350 2930 1200 500 400 3510 1900 1000 500 4340* 2380 1000                   |      | ,     | í      | í    |       |
|--|------|-------|--------|------|-------|
| A B 750 400 1250 700 1650 890 1960 1060 2300 1200 2930 1580 3510 1900 3810 2270 4340* 2380 6370* 3450*   | NOM. |       | DIMENS | ONS  |       |
| 750 400 1250 700 1650 890 1960 1060 2300 1200 2930 1580 3510 1900 3810 2270 4340* 2380   | (mm) | Α     | В      | Е    | 9     |
| 1250     700       1650     890       1960     1060       2300     1200       2930     1580       3510     1900       3810     2270       4340*     2380       6370*     3450* | 100  | 750   | 400    | 220  | 530   |
| 1650     890       1960     1060       2300     1200       2930     1580       3510     1900       3810     2270       4340*     2380       6370*     3450*                    | 150  | 1250  | 700    | 250  | 890   |
| 1960 1060<br>2300 1200<br>2930 1580<br>3510 1900<br>3810 2270<br>4340* 2380<br>6370* 3450*   | 200  | 1650  | 890    | 320  | 1170  |
| 2300 1200<br>2930 1580<br>3510 1900<br>3810 2270<br>4340* 2380<br>6370* 3450*  | 250  | 1960  | 1060   | 350  | 1370  |
| 2930 1580<br>3510 1900<br>3810 2270<br>4340* 2380<br>6370* 3450*   | 300  | 2300  | 1200   | 500  | 1630  |
| 3510 1900<br>3810 2270<br>4340* 2380<br>6370* 3450*  | 350  | 2930  | 1580   | 750  | 2070  |
| 3810 2270<br>4340* 2380<br>6370* 3450*   | 400  | 3510  | 1900   | 1000 | 2490  |
| 4340* 2380<br>6370* 3450*  | 450  | 3810  | 2270   | 1000 | 2970  |
| 6370* 3450*  | 500  | 4340* | 2380   | 1000 | 3700  |
|  | 600  | 6370* | 3450*  | 1000 | 4500* |

| REV. DATE AMEN | $\left  \mathbf{A} \right ^{12/}_{08/9}$ REVISED FOR FINAL SUBMISSION | 1:1 0 10 20 30 40 |         |     |
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| AMENDMENT      | MISSION   | 50 6              |         | _   |
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| DRN APP        | PJD MD  | 90 -              |         |     |
| APF            | <u>×</u>  | 100, -            | <u></u> | _ [ |

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|---|-----------------|-----------------------------------|
|   |                 | STATUS                            |
| BLOCK S, EASTPOINT BUSINESS PARK, ALFIE BYRNE ROAD, | Waterman Moylan | FOR PLANNING NOT FOR CONSTRUCTION |

|   | TITLE |                                  | PROJECT | ARCHITECT                    | CLIENT                   |  |
|---|-------|----------------------------------|---------|------------------------------|--------------------------|--|
| WATERMAIN CONSTRUCTION DETAILS SHEET 2 OF 2 |       | CLONGRIFFIN<br>SHD APPLICATION 1 |         | ARCHITECT CONROY CROWE KELLY | GERARD GANNON PROPERTIES | Tel: (01) 664 8900 Fax: (01) 661 3618<br>Email: info@waterman-moylan.ie www.waterman-moylan.ie |

SCALE **1:25 @ A1** DRAWN DESIGNED **PJD** 18-059 APPROVED NOV 18