

LEGEND

PROPOSED WATERMAIN

EXISTING WATERMAIN

PROPOSED HYDRANT

PROPOSED SLUICE VALVE

BULK METER

FIRE HYDRANT 46M RADIUS

—

PROPOSED SCOUR VALVE

PROPOSED AIR VALVE

PROPOSED BOUNDARY BOX

REDUCED COVER FOR PIPEWORK THROUGHOUT SITE. ALL PIPES WITH LESS THAN 1.2m COVER ARE TO BE ENCASED IN CONCRETE AS PER UE STD-WW-08

ANY PIPE CROSSINGS WITH LESS THAN 300mm COVER ARE TO BE CONCRETE ENCASED.

THE ENTIRE INFRASTRUCTURE IS TO BE BUILT TO UIISC EIREANN CODES OF PRACTICE AND STANDARD DETAILS

- NOTES
1. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF AKM DESIGN AS COPYRIGHT HOLDER, EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DRAWING IS ORIGINALLY ISSUED.

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3. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.

4. DO NOT SCALE DIMENSIONS.

5. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.
- WATERMAIN
1. HANDLING, LAYING, TESTING AND STERILIZATION OF WATERMAIN PIPEWORK TO BE IN ACCORDANCE WITH IRISH WATER & LOCAL AUTHORITY REQUIREMENTS.

2. ALL PROPOSED WATERMAINS TO BE HDPE MATERIAL TYPE PE-80 AND SDR-17 RATING UNLESS OTHERWISE STATED.

3. CONCRETE ANCHOR BLOCKS AT DES ENDS, TEES, BOTH SIDES OF SLUICE VALVES AND AT ALL BENDS OVER 11.25°.

4. MIN. COVER TO CROWN OF WATERMAIN TO BE 900mm.

5. HYDRANTS TO IS EN 14339, IS EN 1074 PART 6 AND B.S. 750 AND TO BE TYPE 2 HAVING AN 80MM DIAMETER FLANGE PN16 RATED TO IRISH WATER REQUIREMENTS.

6. HYDRANTS, AIR VALVES, SLUICE VALVES AND SCOUR VALVES SHALL BE INSTALLED IN CHAMBERS SUITABLY SIZED TO ACCOMMODATE THE FITTING AND ALLOW ACCESS FOR INSPECTION AND MAINTENANCE. THEY SHALL HAVE MINIMUM PLAN AREA OF 600MM X 600MM.

7. DEPTH TO HYDRANT OUTLET NOT TO EXCEED 250mm FROM FINISHED GROUND LEVEL.

8. SLUICE VALVES TO BE LOCATED IN CHAMBER AND TO BE DOUBLE FLANGED TO IS EN 1074 PART 1 AND 2. DEPTH OF SLUICE VALVE CAP SHALL BE WITHIN 300MM OF FINISHED GROUND LEVEL.

9. TEES, BOTH SIDES OF SLUICE VALVES AND WATERMAIN UNDER ROSS TO BE BACKFILLED USING SELECTED GRANULAR MATERIAL.

10. NO PART OF ANY BUILDING SHALL BE CLOSER THAN 3m TO A WATERMAIN OR MORE THAN 46m FROM THE NEAREST HYDRANT.

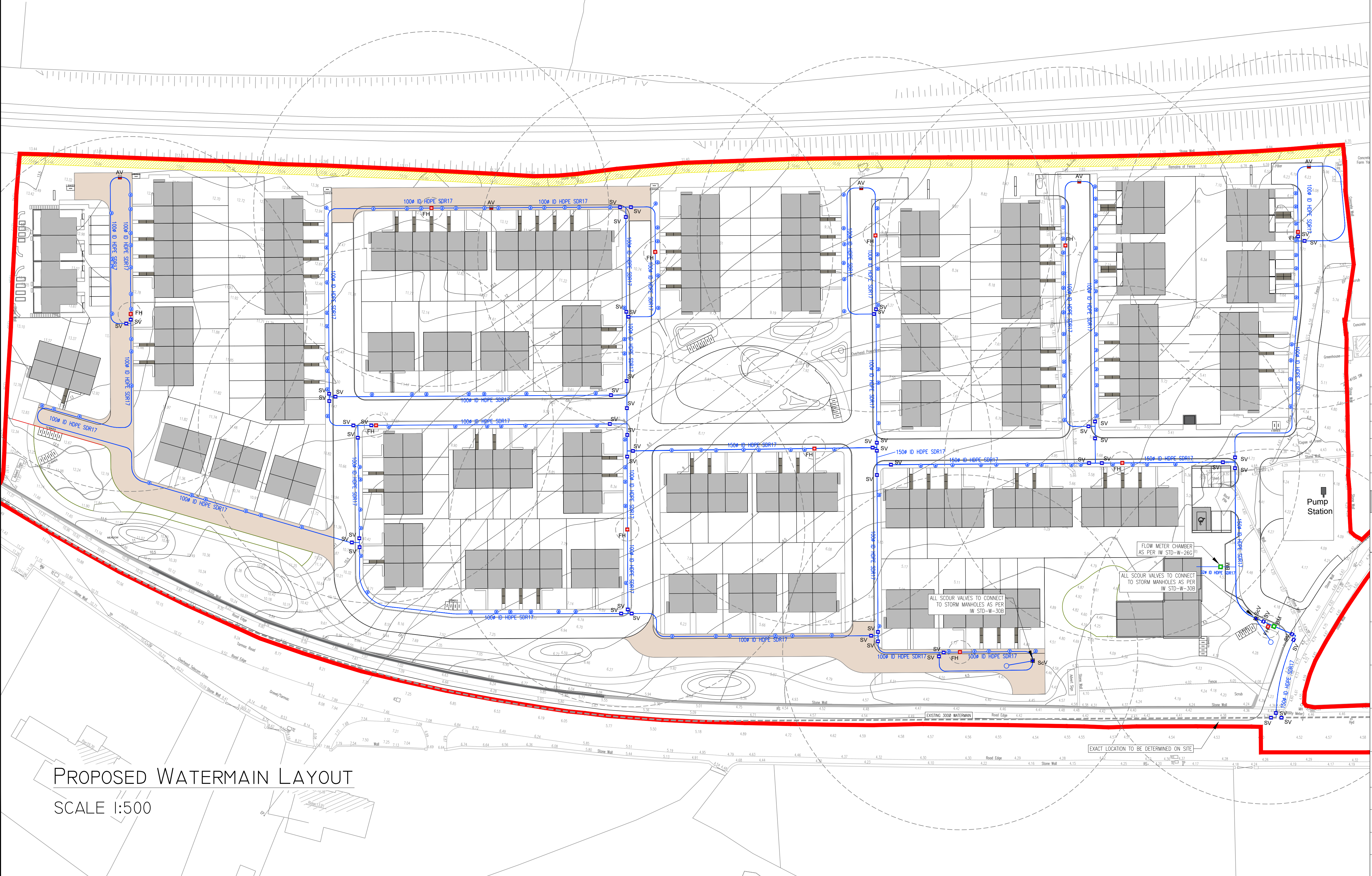
11. WATERMAINS SHALL BE LOOPED OR INTERCONNECTED NO DES ENDS ARE TO BE USED.

12. BOUNDARY BOXES SHALL BE LOCATED 225MM FROM EDGE OF PROPERTY BOUNDARY AND FITTED WITH A CLASS B OR CLASS C COVER TO BS 5834.

13. REFER TO IRISH WATER DOCUMENT 'CODE OF PRACTICE FOR WATER INFRASTRUCTURE' IW-CDS-5020-03.

14. TYPICAL SERVICE LAYOUT DISTANCES TO BE AS PER IRISH WATER STANDARD DETAIL STD-W-11.

15. WATERMAINS TO BE DECOMMISSIONED ARE TO BE CUT, CAPPED AND BURIED AT BOTH ENDS.



PROPOSED WATERMAIN LAYOUT

SCALE 1:500

REV	DATE	DESCRIPTION
FOR INFORMATION		
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CLIENT		
MARSHALL YARDS DEVELOPMENT COMPANY LTD.		
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