## LEGEND

- PROPOSED UPSIZE OF EXSTING WATERMAIN TO 200mm ID HDPE SDR-17
- PROPOSED 200mm ID HDPE SDR-17 WATERMAIN
- PROPOSED 150mm ID HDPE SDR-17 WATERMAIN
- PROPOSED 100mm ID HDPE SDR-17 WATERMAIN
- EXISTING WATERMAIN
- PROPOSED HYDRANT — FH
- PROPOSED SCOUR VALVE — ScV
- WASHOUT HYDRANT — WO
- PROPOSED AIR VALVE — AV
- PROPOSED SLUICE VALVE — SV
- SCOUR CHAMBER
- BULK METER — BM
- PROPOSED BOUNDARY BOX — B

N

SITE ENTRANCE

SITE ENTRANCE

PEDESTRIAN/ CYCLE ACCESS

PARKLAND AREA

OPEN SPACE

OPEN SPACE

OPEN SPACE

OPEN SPACE

OPEN SPACE

SCOUR CHAMBER ARRANGEMENT AS PER STD-W-30

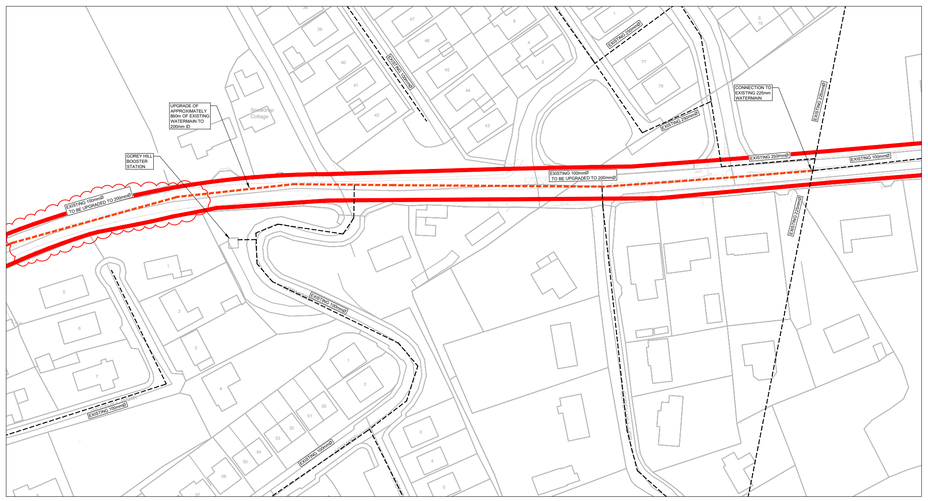
SCOUR CHAMBER ARRANGEMENT AS PER STD-W-30B

BOUNDARY BOX LIDS TO BE HIGHER STRENGTH IN SHARED ZONE AREAS

SITE ENTRANCE

# PROPOSED WATERMAIN - GENERAL LAYOUT

**SCALE 1:1250**




## NOTES

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### 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 AND IN COMPLIANCE WITH SECTION 3.9 OF CODE OF PRATICE
3. CONCRETE ANCHOR BLOCKS AT DEAD 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 ROADS 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 DEAD 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, STD-W-12-, AND STD-W-12A.
15. WATERMAINS TO BE DECOMMISSIONED ARE TO BE CUT, CAPPED AND BURIED AT BOTH ENDS.

ALL INFRASTRUCUTRE IS TO BE BUILT TO UISCE EIREANN CODES OF PRACTICE AND STANDARD DETAILS

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| DESCRIPTION | REV | DATE |
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**STAGE:** S4 - FOR PLANNING

| DRAWN BY: | APPROVED BY: | AKM JOB NUMBER: |
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| DO | CK | 25007 |
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**PROJECT TITLE:** GOREY RESIDENTIAL DEVELOPMENT

**DRAWING TITLE:** PROPOSED WATERMAIN - GENERAL LAYOUT

**CLIENT:** GLENVEAGH HOMES