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ROOF PLAN

FLOOR PLAN

FIRE HYDRANT CHAMBER

(BLOCKWORK CONSTRUCTION)

 80mm DIA. DOUBLE FLANGED 90° BEND.

CONC. THRUST BLOCK TO BEND

(REFER TO DRG. No. STD-W-28

FOR DETAILS)

r / /

SECTION

DIAMETER OF MAIN	UP TO 250 (mm)	250 TO 350 (mm)		
DIAMETER OF BRANCH	80mm	100mm		

(P.E.) PIPE

NTS

ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE. AIR VALVE CHAMBERS SHALL BE COVERED WITH APPROVED VENTILATED HEAVY DUTY DUCTILE IRON COVERS TO IS EN 124 RATING D400. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER. AIR VALVES SHALL COMPLY WITH THE REQUIREMENTS OF IS EN 1074-4. IN VALVES SHALL BE DOUBLE ORIFICE TYPE AND SHALL INCLUDE AN ISOLATING VALVE. THE ISOLATING VALVE SHALL BE EITHER A GATE VALVE CONFORMING TO IS EN 1074-2. & SHALL BE OF A BOLTLESS BONNET DESIGN, OR A BUTTERLY VALVE TO IS EN 1074-2. SERVICE CONDECTIONS SHALL NOT BE PROVIDED WITHIN 2m OF THE AIR VALVE LOCATION. AIR VALVES TO BE OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVE PROPRIETARY

GENERAL NOTES:

ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE FOR CONNECTION TO AN EXISTING MAIN THE CONNECTION SHALL BE AS PER THE PIPE MANUFACTURER'S SPECIFICATION. ELECTRO FUSION COUPLING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206. BOUNDARY BOX NOTES:

THE BOUNDARY BOX ACCOMMODATES INLINE ROTARY PISTON METERS UP TO SIZE DN32mm WITH THREADED ENDS.

AXIAL LOADING WHERE POSSIBLE.

THE BELOW GROUND METER BOX IS

TO BE INSTALLED AT A MINIMUM

CROWN OF THE INLET & OUTLET

BOX.

MARKER

25 - 32mm (O.D.) —

PE PIPE

TAPE.

DEPTH OF 600mm (+/- 25mm) TO THE

FITTINGS ON THE OUTSIDE OF THE

STOP VALVE -WATER METER

& NON-RETURN

SECTION

THIS DETAIL APPLIES TO WHERE THE FINISHED

WHERE A CONCRETE PLINTH IS REQUIRED TO

SUPPORT THE TOP OF THE BOUNDARY BOX.

PLAN

(25–32mm O.D. DIA.)

SURFACE IS EITHER UNBOUND (GRASS

VERGE), BRICK PAVING OR MACADAM, &

25 - 32mm (O.D.)

PE PIPE

NTS

VALVE

IRISH WATER APPROVED BELOW GROUND, SELF CONTAINED, TELESCOPIC, FROST PROOF,

POLYPROPYLENE, METER BOX AND COVER TO BS

5834-2 TO BE LOCATED AWAY FROM VEHICULAR

IRISH WATER APPROVED

BOUNDARY BOX AND COVER

25-32mm O.D. Ø INLINE WATER METER CHAMBER DETAILS

STD-W-26G INLINE FLOW METER CHAMBER

THE BOUNDARY BOX IS TO BE IN ACCORDANCE WITH THE IRISH WATER SPECIFICATION, INCORPORATING A STOP-TAP, FROST PLUG & NON-RETURN VALVE.

HE SHAFT OF THE BOUNDARY BOX IS TO BE INSTALLED VERTICALLY, & THE SURFACE BOX/COVER INCLINED TO MATCH THE SURFACE GRADIENT.

BOUITIN FOR SHORT DISTANCES (SUBJECT TO INSIGN WATER AGREEMENT). THE DESINGALE MAXIMUM OVER FOR A SERVICE CONNECTION PRE SHOULD BE TAUTINE, V CUSTOMER'S DISTRIBUTION PIEWORK WITHIN THE PREMISES SHOULD BE SUITABLY SIZED TO ACCOMMODATE THE FLOW PASSING THROUGH THE BOUNDARY BOX. WHERE A GRASS VERGE IS NOT AVAILABLE AND A FOOTPATH IS LESS THAN 1.5m WIDE, THE WATERNAIN IS PERMITTED ON THE ROADWAY. THE POSITION OF THE METER DOES NOT REPRESENT THE CHANGE OF OWNERSHIP IN THE SERVICE PIPE. THAT POINT IS NORMALLY AT THE PROPERTY BOUNDARY.

L BOUNDARY BOX SHALL BE POSITIONED IN PUBLIC SPACE & AS CLOSE AS POSSBLE TO THE PROPERTY BOUNDARY BOX TO RFITING TO BE WITHIN 225mm OF THE PROPERTY THE BOUNDARY BOX SHALL BE LOCATED WHERE IT IS SAFE TO OPEN THE COVER & ACCESS THE STOP TAP OR VISUALLY READ THE METER, i.e. ON A FOOTPATH OR VERGE, & NOT IN A

HE SURFACE BOX COVER ON THE BOUNDARY BOX SHOULD BE NOT LESS THAN GRADE C (BS 5834:2-2011); & THE BOUNDARY BOX SHOULD BE LOCATED SUCH THAT HEAVIER GRADES OF

THE SHAPT OF THE BOUNDARY BOX IS TO BE INSTALLED VERTICALLY, & THE SURFACE BOX/COVER INCLINED TO MATCH THE SURFACE GRADIENT. THE BOUNDARY BOX IS TO BE INSTALLED AT A MINIMUM DEPTH OF 600mm (+25mm) TO THE CROWN OF THE INLET & OUTLET FITTINGS ON THE OUTSIDE OF THE BOX. THE SURFACE CONNECTION PIPE SHALL NOT BE WRAPPED AROUND THE SHAFT OF THE BOUNDARY BOX OR BENT IN ANY RADIUS LESS THAN THAT APPROVED BY THE MANUFACTURER. THE PIPE FITTINGS TO THE BOUNDARY BOX SHALL BE APPROVED BY THE BOUNDARY BOX MANUFACTURER. THE BOUNDARY BOX SHALL BE INSTALLED AT BUSICALLY & LEFT CLEAN & FREE OF CONSTRUCTION WASTE OR DIRT FOR LATER METER INSTALLATION BY IRISH WATER. BOX TO BE FOUNDED ON 100mm DEPTH OF C12/15 CONCRETE AND SURROUNDED WITH CLAUSE 808 GRANULAR MATERIAL. THE DESIRABLE ININIMUM COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF A SERVICE CONNECTION SHALL BE 750mm WITH AN ABSOLUTE MINIMUM DEPTH OF 600mm FOR SHORT DISTANCES (SUBJECT TO IRISH WATER AGREEMENT). THE DESIRABLE MAXIMUM COVER FOR A SERVICE CONNECTION PIPE SHOULD BE 1200mm, WHERE PRACTICABLE. CUSTOMER'S DISTRIBUTION DEPWORK WITH THE PREMISES SHOULD BE SUITABLY SUFFICIENT TO A COMMON FOR A SERVICE CONNECTION PIPE SHOULD BE 1200mm, WHERE PRACTICABLE. CUSTOMER'S DISTRIBUTION DEPWORK WITH THE PROMISES SHOULD ARD TO A COMMON FOR A SERVICE CONNECTION PIPE SHOULD BE PRACTICABLE. CUSTOMER'S DISTRIBUTION DEPWORK WITH THE PROMISES SHOULD BE SUITABLY SUFFICIENT TO ACCOMMONATE THE FLOW PRAVIDE PROX DISTOMER'S DISTRIBUTION PROVERS WITH AND REPROVED AND THE PROVED AND A SERVICE CONNECTION PIPE SHOULD BE PRACTICABLE. CUSTOMER'S DISTRIBUTION DEPWORK WITH AND THE PROVED SHOULD BE SUITABLY SUFFICIENT TO ACCOMPANY FOR A SERVICE CONNECTION PIPE SHOULD BE PRACTICABLE. CUSTOMER'S DISTINUTION PIPENDRY WITH THE PROVED SHOULD BE PRACTICABLE. CUSTOMER'S DISTRIBUTION DEPROVER WITH AND ABSOLUTE MINIMUM DEPTH OT ACCOMMONATE THE FLOW PROXING THRONG THE ROUND PARY POX

WELL COMPACTED

GRANULAR BACKFILL

- FITTINGS AS APPROVED

TO MATCH SURFACE FINISH LEVEL

OF SURROUNDING AREA.

METER CHAMBER

PRECAST CONCRETE

SURROUND

COVER

BY BOUNDARY BOX

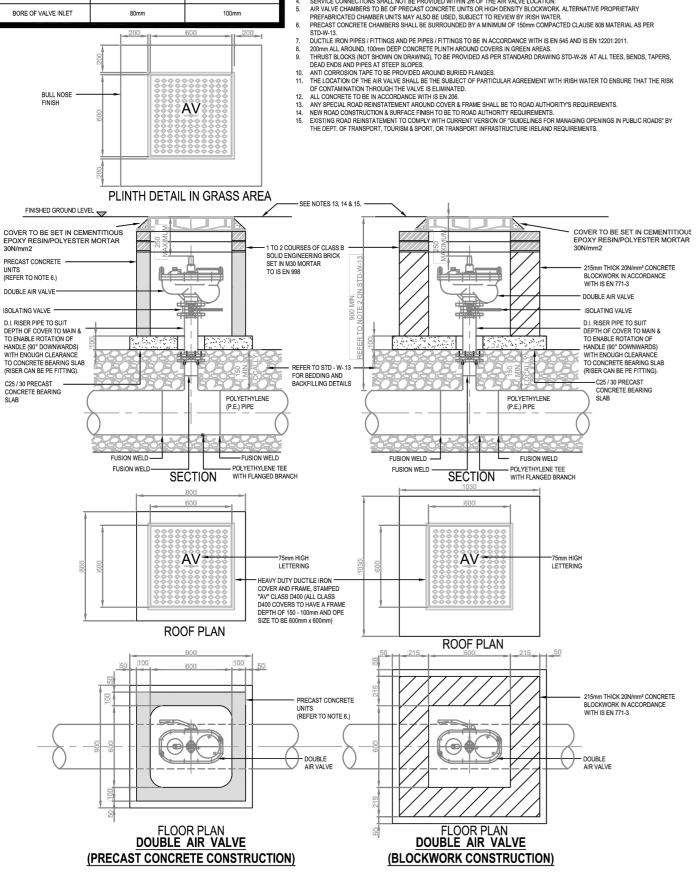
MANUFACTURER

MIN, 100mm DEPTH

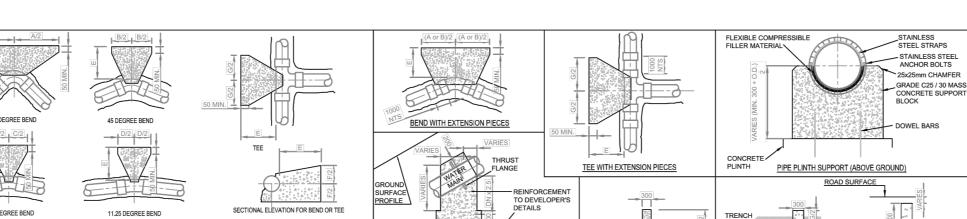
C12/15 CONCRETE PLINTH.

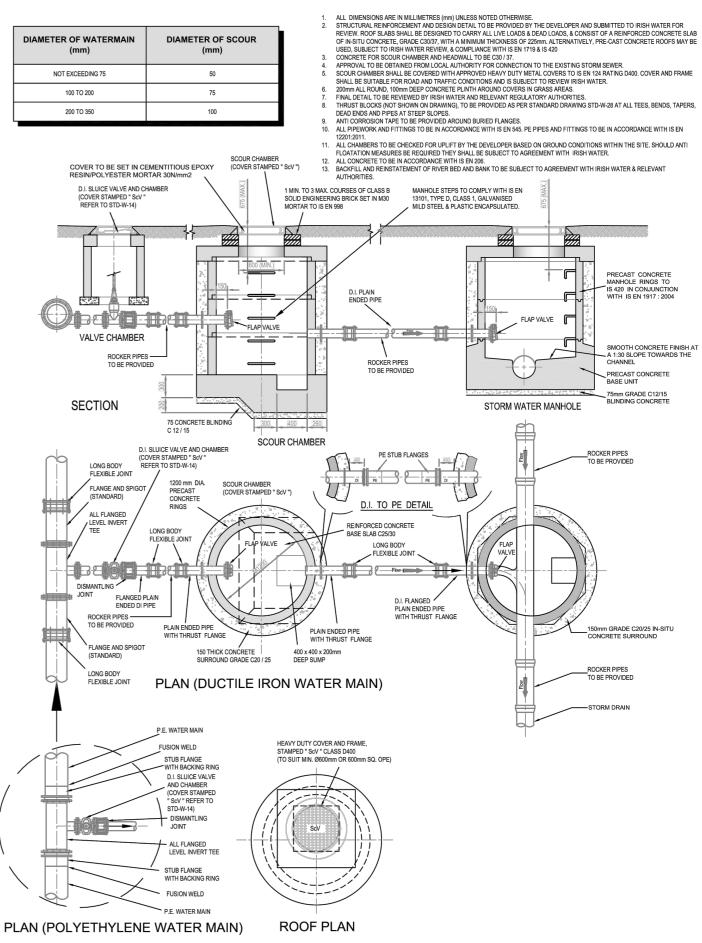
CLAUSE 808

DIAMETER OF WATERMAIN	DIAMETER OF SCOUR
(mm)	(mm)
NOT EXCEEDING 75	50

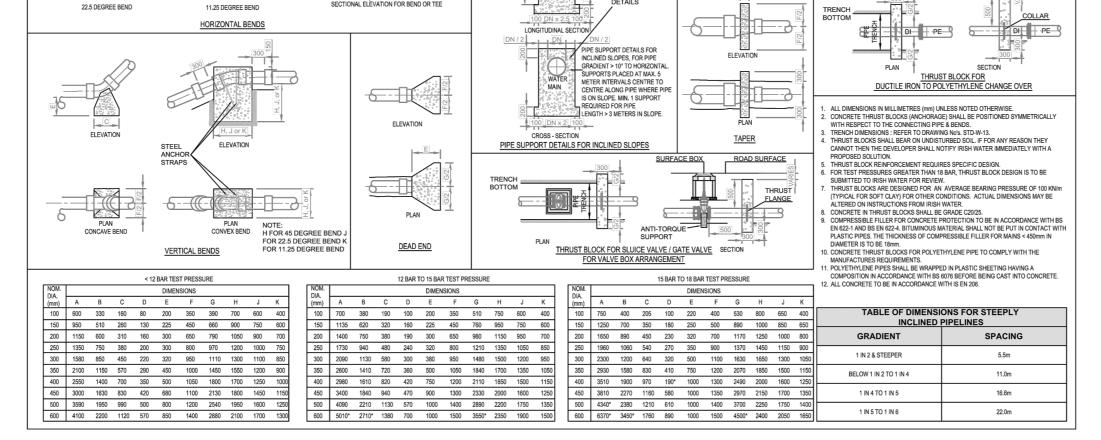














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