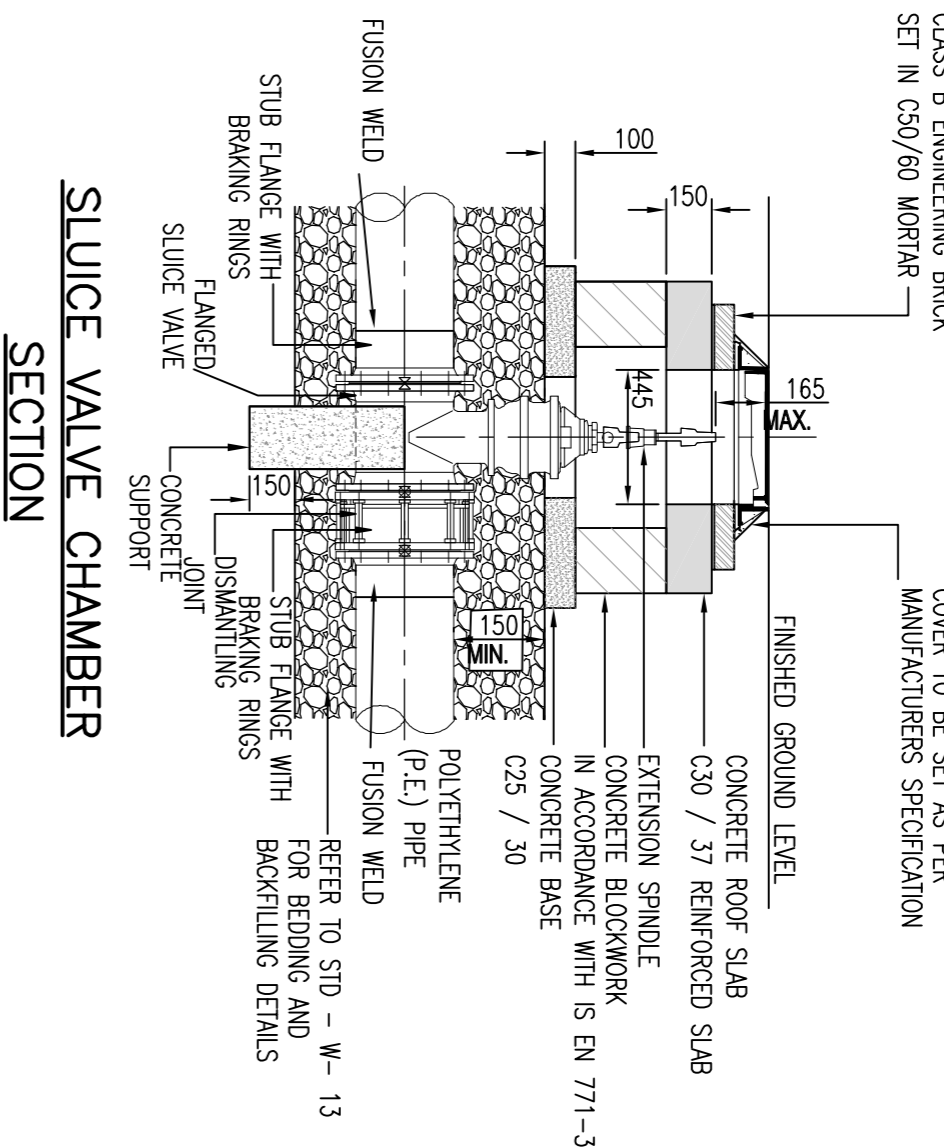
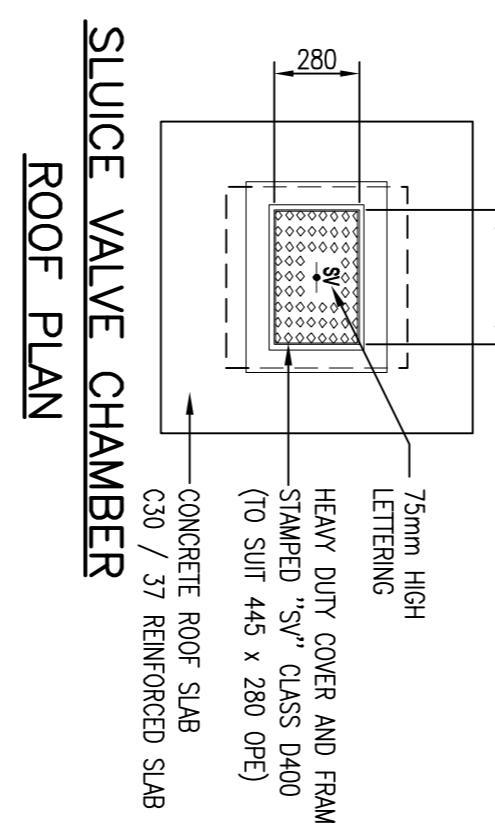


SLUICE VALVE NOTES:

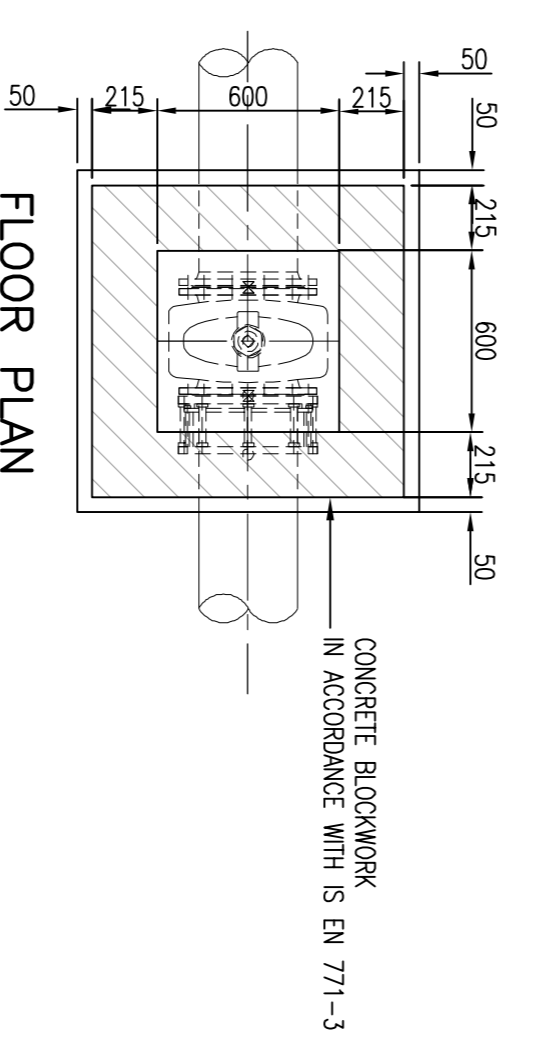
1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. SLUICE VALVE CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS EN 261 AND BS 5834. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO THE APPROVAL OF IRISH WATER OR EQUIVALENT EU SPECIFICATIONS.
3. SLUICE VALVES SHALL BE RESILIENT SEATED AND SHALL COMPLY WITH BS 5163-1, BS 5163-2, IS EN 1074-1, IS EN 1074-2 OR EQUIVALENT EU SPECIFICATIONS.
4. ALL SLUICE VALVES SHALL BE ANTI CLOCKWISE CLOSING.
5. VALVE CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO APPROVAL FROM IRISH WATER.
6. CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.
7. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545, PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 12201:2011
8. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH WITH PROTECTIVE STAINLESS STEEL METAL BAND AROUND COVER IN GREEN AREAS.
9. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. ANTI CORROSION TPE TO BE PROVIDED AROUND BURIED FLANGES.
11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.



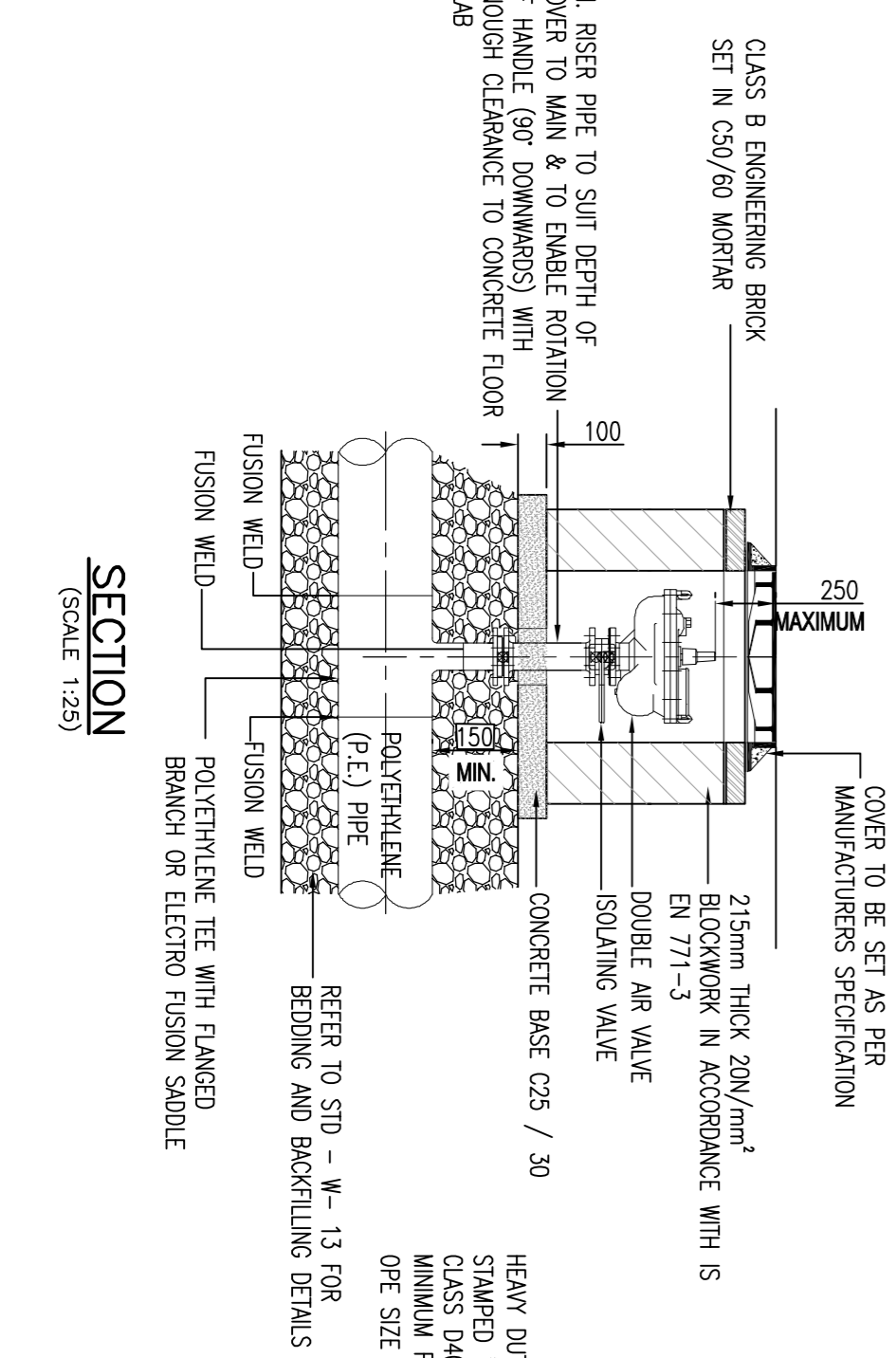
SLUICE VALVE CHAMBER SECTION
(SCALE 1:25)



SLUICE VALVE CHAMBER FLOOR PLAN
(SCALE 1:25)



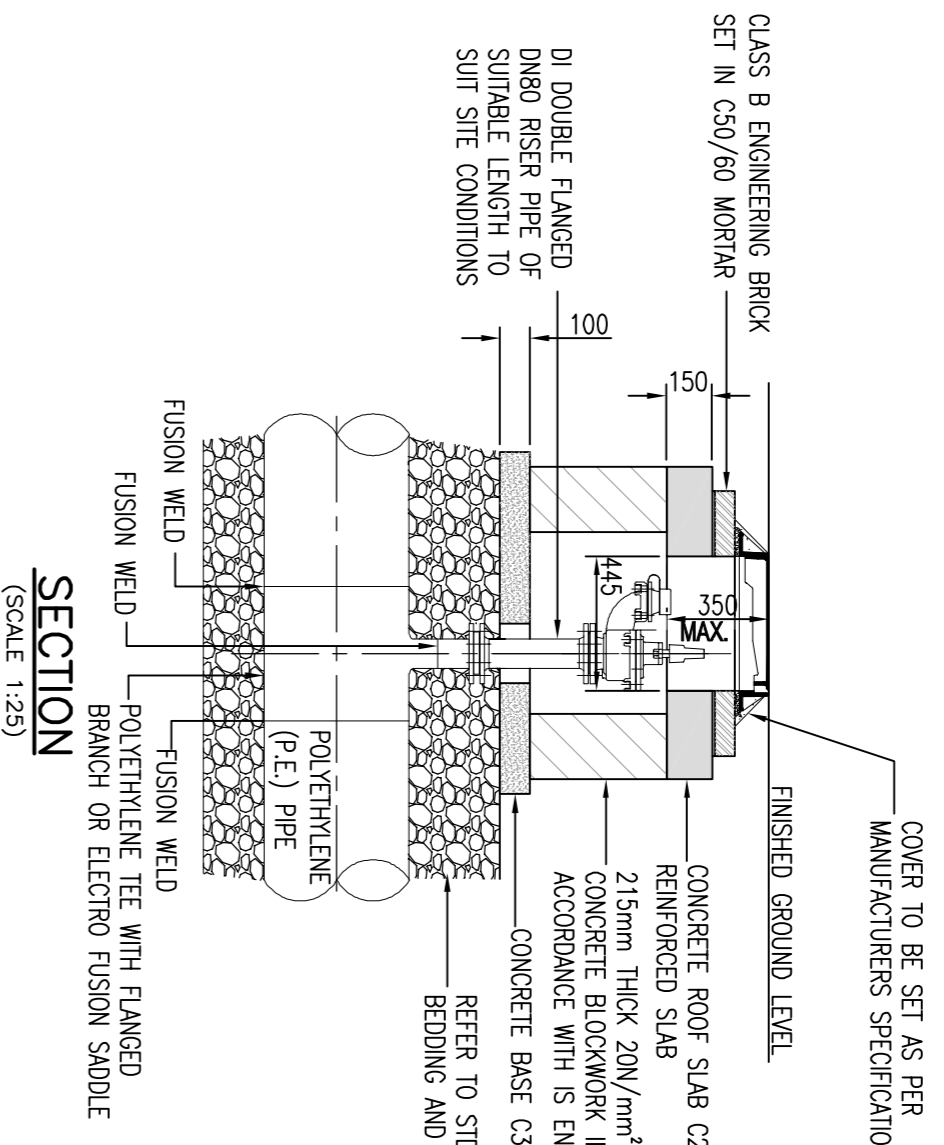
SLUICE VALVE CHAMBER FOR POLYETHYLENE (PE) PIPE (BLOCKWORK CONSTRUCTION)
(SCALE 1:25)



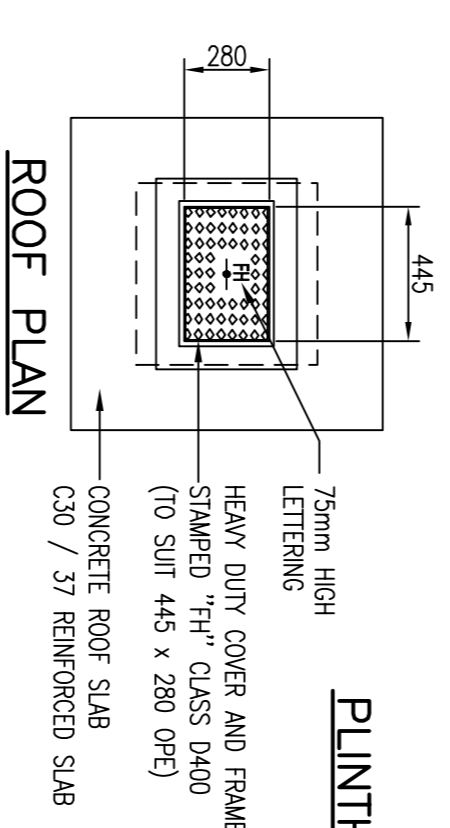
SECTION
(SCALE 1:25)

HYDRANT NOTES:

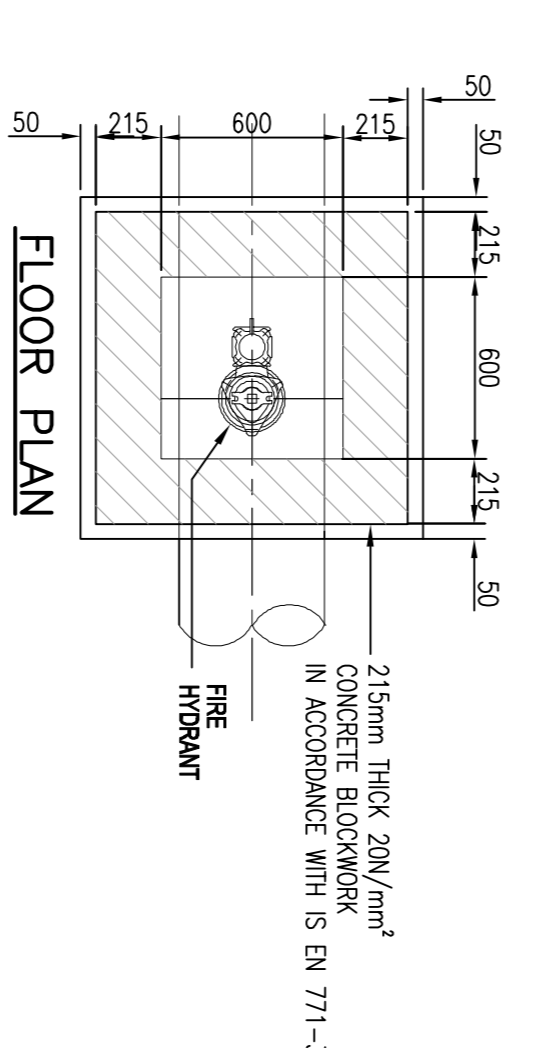
1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. HYDRANT CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS EN 261 AND BS 5834. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO THE APPROVAL OF IRISH WATER OR EQUIVALENT EU SPECIFICATIONS.
3. ALL HYDRANTS, SURFACE BOX FRAMES & COVERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF IS EN 14339, IS EN 1074-6 & BS750. FIRE HYDRANTS SHALL BE TYPE 2. THE HYDRANT INLET SHALL BE 80mm DIAMETER WITH EN16.
4. ALL HYDRANTS SHALL BE CLOCKWISE CLOSING.
5. HYDRANT CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO APPROVAL FROM IRISH WATER.
6. CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.
7. DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545, PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 12201:2011
8. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH WITH PROTECTIVE STAINLESS STEEL METAL BAND AROUND COVERS IN GREEN AREAS.
9. THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
10. ANTI CORROSION TPE TO BE PROVIDED AROUND BURIED FLANGES.
11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.



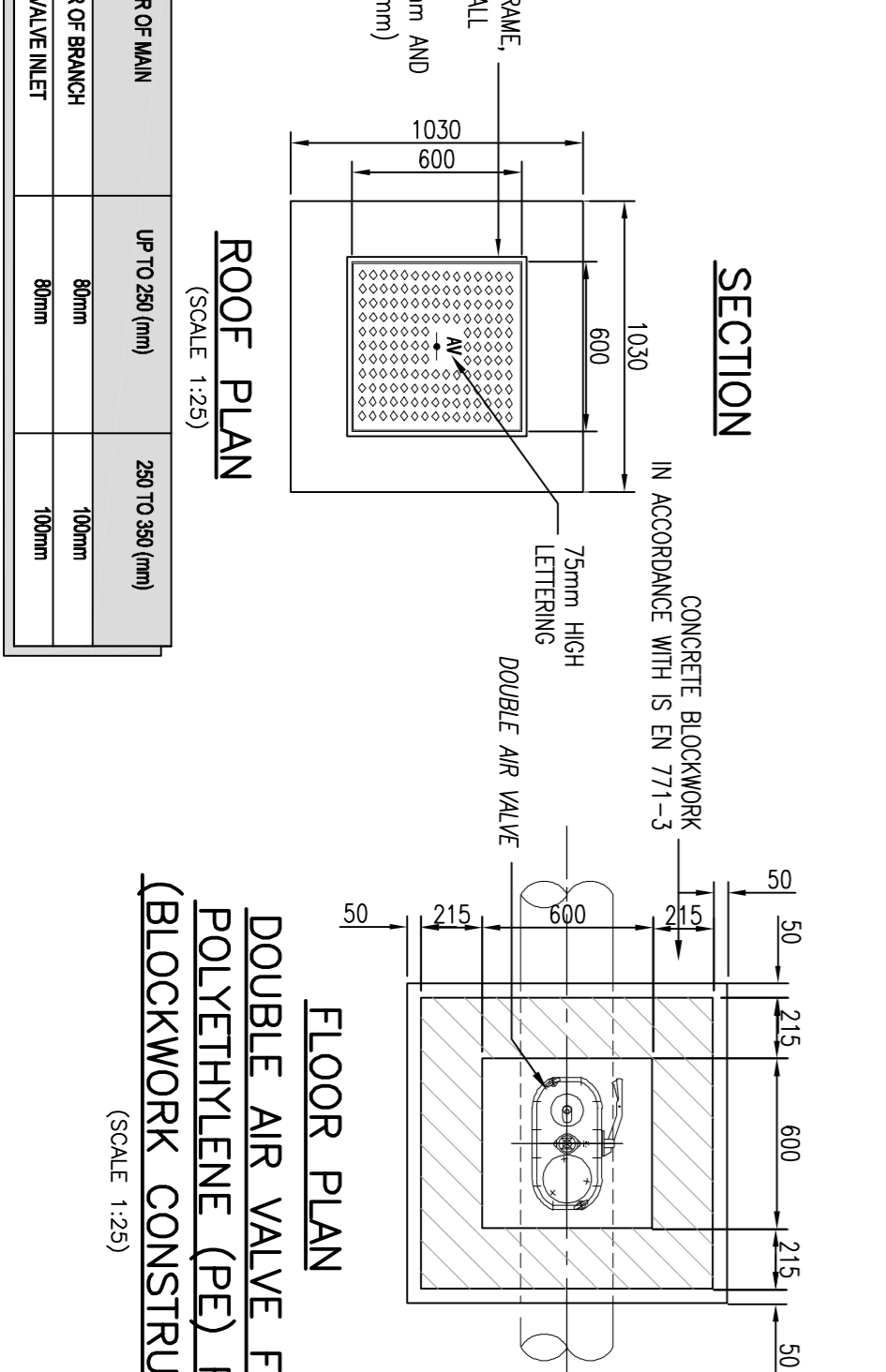
SECTION
(SCALE 1:25)



ROOF PLAN
(SCALE 1:25)



ON-LINE FIRE HYDRANT CHAMBER FOR POLYETHYLENE (PE) PIPE (BLOCKWORK CONSTRUCTION)
(SCALE 1:25)

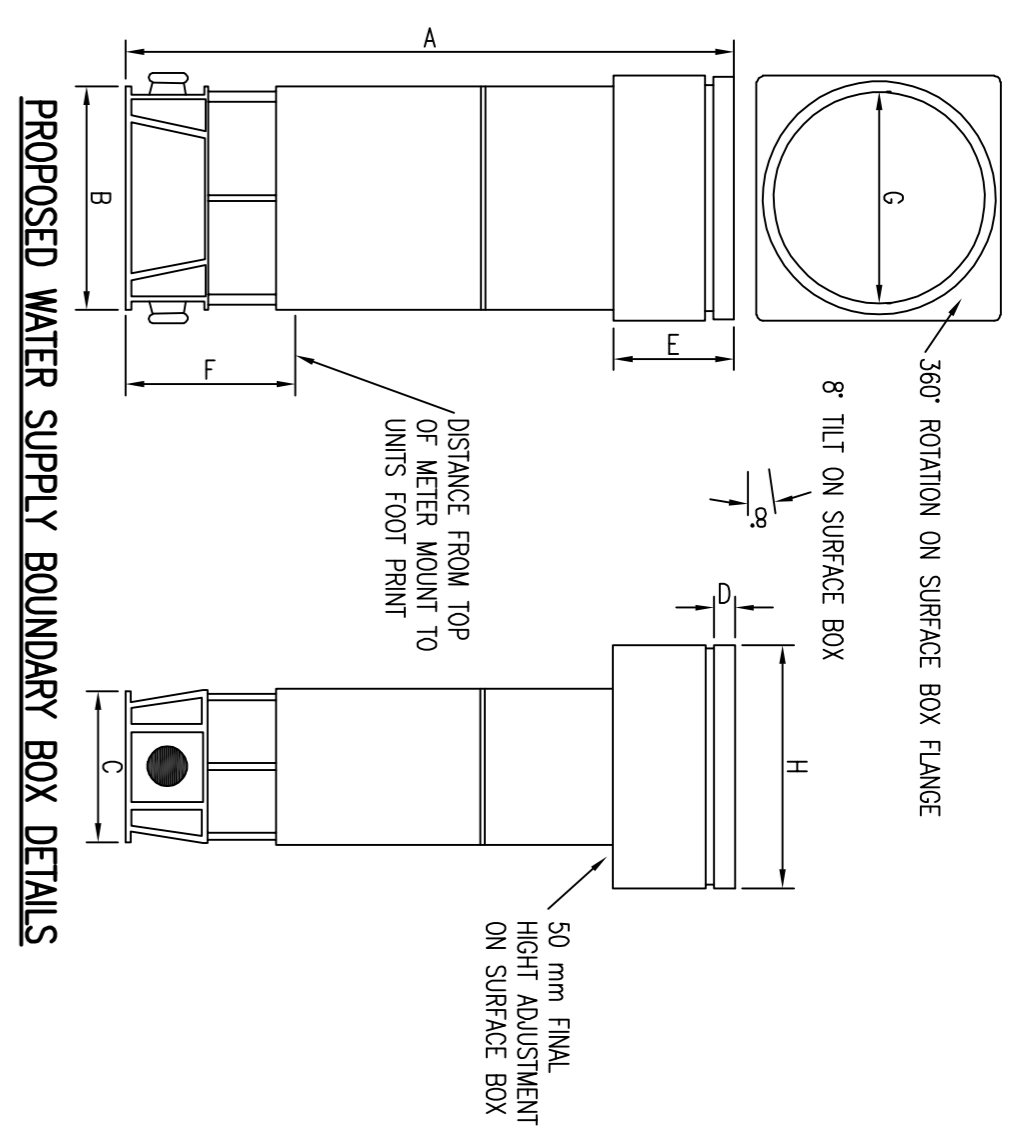


SECTION
(SCALE 1:25)

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

Dimensions and details

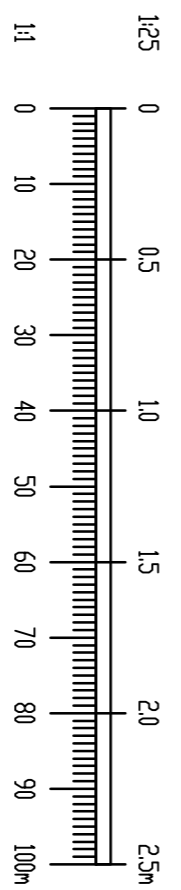
Box Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Weight (kg)
Standard Unit (20mm and 30mm connections)	460mm	670mm	200mm	151mm	20mm	112mm	170mm	220mm	4.5kg
Small Units	310mm	540mm	200mm	151mm	20mm	112mm	170mm	220mm	3.4kg



PROPOSED WATER SUPPLY BOUNDARY BOX DETAILS

NOTES:

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
3. WATERMANS SHALL BE Laid IN ACCORDANCE WITH THE LOCAL AUTHORITY / IRISH WATER SPECIFICATION FOR THE LAYING OF NEW WATERMANS AND BRANES WHICH OVER-SEE THESE NOTES. THE CONSTRUCTION METHODS OF THE RELEVANT STANDARDS AND CODES OF PRACTICE.
4. WATERMANS SHALL NOT BE Laid UNDER WALLS OR WEBS DESIGNED FOR TREES/SHRUBS/TWIGS. ANYWHERE, DUCTILE IRON PIPES SHALL BE USED UNDER ROADS OF CLASSIFICATION 'STREET DISTRIBUTION' (UNLESS UNLESS NOTED OTHERWISE).
5. PRESS SHALL CONFORM TO THE UK WATER INDUSTRY SPECIFICATION OR EQUIVALENT EU SPECIFICATION.
6. DUCTILE IRON (DI) PIPES SHALL CONFORM TO IS EN 545 AND SHALL HAVE MINIMUM 500 PRESSURE RATING. DUCTILE IRON FITTINGS SHALL HAVE 16 BAR RATING AT LEAST IF PERFORMED SHALL BE COVERED INTERIALLY WITH A BRASS FINISHED GALVANIZED LAMINATE COMPRESS WITH AN ALUMINIUM WITH A MINIMUM 15% ALUMINIUM WITH OR WITHOUT OTHER MATERIALS HAVING A MASS OF 400g/m² CONCRETE WITH A FINISHING LAYER OF BLUE FUSION BONDING EPOXY IN ACCORDANCE WITH IS EN 14901.
7. WATERMANS SHALL BE Laid UNDER FOOTINGS, PAVEMENTS OR GRASS WALKWAYS WHERE APPROVED. NO PIPE, JOINT, CABLE OR OTHER SERVICE SHALL BE Laid CONTINUALLY OVER THE LINE OF A WATERMAN.
8. THE MINIMUM COVER TO A WATERMAN SHALL BE 750mm, THE MAXIMUM COVER SHALL BE 800mm UNLESS NOTED OTHERWISE.
9. CONNECTIONS TO THE MAINS WHICH ARE THE PROPERTY OF THE IRISH WATER CAN BE MADE BY THE IRISH WATER OR BY THE LOCAL AUTHORITY. THE IRISH WATER WILL BE RESPONSIBLE FOR THE DESIGN OF SUCH CONNECTIONS MUST BE LOADED WITH IRISH WATER BEFORE THE WORK IS UNDERWAY.
10. IF IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL WORK IS CONFORMED 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 WEBSITE AT WWW.IRISHWATER.COM/CONNECTIONS/DEVELOPER-SERVICES WHERE THE DETAILS CONTAINED ON THIS DRAWING ARE NOT IDENTICAL TO THE IRISH WATER WEBSITE. IRISH WATER STANDARDS WILL BE BROUGHT TO THE ATTENTION OF THE DRAWER IMMEDIATELY. IRISH WATER STANDARDS WILL BE THE PREFERENCE.



REV.	DATE	AMENDMENT	DRN	APPD

FOR PLANNING NOT FOR CONSTRUCTION

Waterman Moylan
Engineering Consultants
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CLIENT GERARD GANNON
ARCHITECT WILSON ARCHITECTURE
PROJECT QUICKPARK CAR PARK AT TURNWELL GREAT, SKOROS ROAD.

TITLE WATERMAN CONSTRUCTION DETAILS
SHEET 1 OF 2

DRAWN	DESIGNED	APPROVED	DATE
PJD	PJD	MD	SEPT 18
SCALE	JOB NO.	DWG. NO.	REVISION
1:25 @ A1	15-194	0051	