

ANTI-CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.

SEE NOTES 13, 14 & 15.

DISMANTLING WITH BACKING RING

SECTION 445 ____

SV

`~---~

ROOF PLAN

FLOOR PLAN

SLUICE VALVE CHAMBER

(PRECAST CONCRETE CONSTRUCTION)

PLINTH DETAIL

IN GRASS AREA

POLYETHYLENE (P.E.) PIPE

FINISHED GROUND LEVEL

CONCRETE ROOF SLAB

C30 / 37 REINFORCED SLAB EXTENSION SPINDLE -PRECAST CONCRETE UNITS (REFER TO NOTE 5.) 900 x 900mm C25/30 PRECAST CONCRETE BEARING SLAB

HEAVY DUTY COVER AND FRAME, STAMPED "SV" CLASS D400 (TO SUIT 445 x 280 OPE)

ALL SLUICE VALVES SHALL BE ANTI-CLOCKWISE CLOSING.

VALVE CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER

UNITS MAY ALSO BE USED, SUBJECT TO REVIEW BY IRISH WATER. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A

REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 150mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE

USED, SUBJECT TO IRISH WATER REVIEW, & COMPLIANCE WITH IS EN 1917 & IS 420. PCC CHAMBER RISER UNITS SHOULD BE INTERLOCKING WHEN STACKED TO

PREVENT LATERAL MOVEMENT OF INDIVIDUAL UNITS.

CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.

DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 145. PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 12201:2011.

200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.

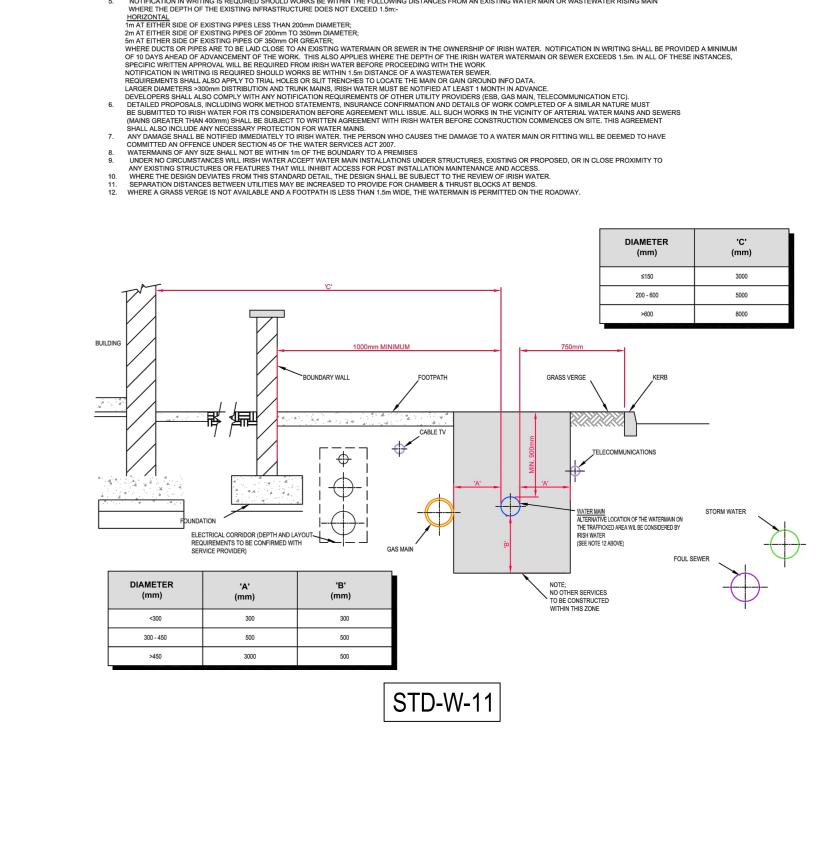
THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER STANDARD DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP

SLOPES.

1. ANTI-CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
1. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
2. 450 x 450mm INTERNAL DIMENSION CHAMBERS MAY BE PROVIDED SUBJECT TO REVIEW BY IW. SUCH CHAMBERS SHALL BE PROVIDED WITH GRADE "A" HEAVY DUTY COVER & FRAME & STAMEPD "SY", BEASTING SLABS TO BE 900 x 900mm IN ALL CASES.
3. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
4. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
5. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.

ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.

THE MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF THE PIPE SHALL BE 900mm WHERE THE PIPE IS TO BE LOCATED IN HOUSING ESTATE ROADS. GREATER DEPTHS OF COVER AND/OR PIPE STRENGTH AND/OR A HIGHER CLASS OF BEDDING MATERIAL MAY BE REQUIRED WHERE HIGH TRAFFIC LOADING IS ANTICIPATED. THE DESIRABLE COVER FOR A WATERMAIN



ON DISTANCES BETWEEN WATERMAINS ASSOCIATED WITH THE WORKS FROM OTHER UTILITY PIPES AND ACCESSORIES SHALL BE IN ACCORDANCE WITH SECTION 3.6 OF THE CODE OF SEPARATION DISTANCES FOR ALL NEW INSTALLATIONS FROM EXISTING IRISH WATER PIPES SHALL BE AS OUTLINED IN SECTION 3.27 OF THE CODE OF PRACTICE. THE SEPARATION DISTANCES

HORIZONTAL
IN THE CASE OF INSTALLATIONS IN CLOSE PROXIMITY TO EXISTING WATER MAINS AND SEWERS, THE FOLLOWING MINIMUM HORIZONTAL DISTANCES SHALL BE MAINTAINED BETWEEN PIPES/DUCTS,
CABINETS, POLES, MANHOLES, JUNCTION BOXES, CHAMBERS, ETC. WHERE THE DEPTH OF THE EXISTING INFRASTRUCTURE DOES NOT EXCEED 1.5m
600mm AT EITHER SIDE OF MAINS UP TO AND INCLUDING 150mm DIAMETER;
1m AT EITHER SIDE OF MAINS OF 200mm TO 250Mmm DIAMETER;
2m AT EITHER SIDE OF MAINS OF 300mm AND 375mm DIAMETER;
5m AT EITHER SIDE OF MAINS OF 400mm AND 450mm DIAMETER;
5m AT EITHER SIDE OF MAINS OF 900mm AND 450mm DIAMETER;
5m CITHER SIDE OF MAINS OF 900mm AND 150mm DIAMETER;
600mm AT EITHER SIDE OF GRAVITY SEWER UP TO AND INCLUDING 225mm DIAMETER;
1m AT EITHER SIDE OF GRAVITY SEWER UP TO AND INCLUDING 225mm DIAMETER;
1.5m AT EITHER SIDE OF GRAVITY SEWERS OF 600mm DIAMETER AND GREATER;
1.5m AT EITHER SIDE OF GRAVITY SEWERS OF 600mm DIAMETER AND GREATER;
NOTIFICATION IN WRITING IS REQUIRED SHOULD WORKS BE WITHIN THE FOLLOWING DISTANCES FROM AN EXISTING WATER MAIN OR WASTEWATER RISING MAIN WHERE THE DEPTH OF THE EXISTING INFRASTRUCTURE DOES NOT EXCEED 1.5m:HORIZONTAL

PECIFIED ARE MINIMUM DISTANCES.
PECIFIC SEPARATION CLEARANCE DISTANCES IN EXCESS OF THESE MINIMA SHALL BE PROVIDED FOR SERVICES SUCH AS GAS, ELECTRICITY, FIBRE-OPTIC OR
IL FILLED CABLES AS THE CASE MAY BE. THE PARTICULAR UTILITY PROVIDERS SHALL BE CONSULTED TO DETERMINE THESE MINIMUM SEPARATION
ISTANCES AND EVIDENCE OF THIS CONSULTATION, WITH THE SPECIFIED SEPARATION DISTANCES, SHALL BE PROVIDED TO IRISH WATER AT DESIGN STAGE.

ANY PROPOSED PIPE CROSSING SHOULD BE LOCATED MID-WAY BETWEEN THE WATER JOINTS WITH MINIMUM CLEAR DISTANCE OF 300mm AND UP TO 500mm. ALL CROSSINGS SHOULD BE AT LEAST 500mm AWAY FROM FITTINGS OR JOINTS

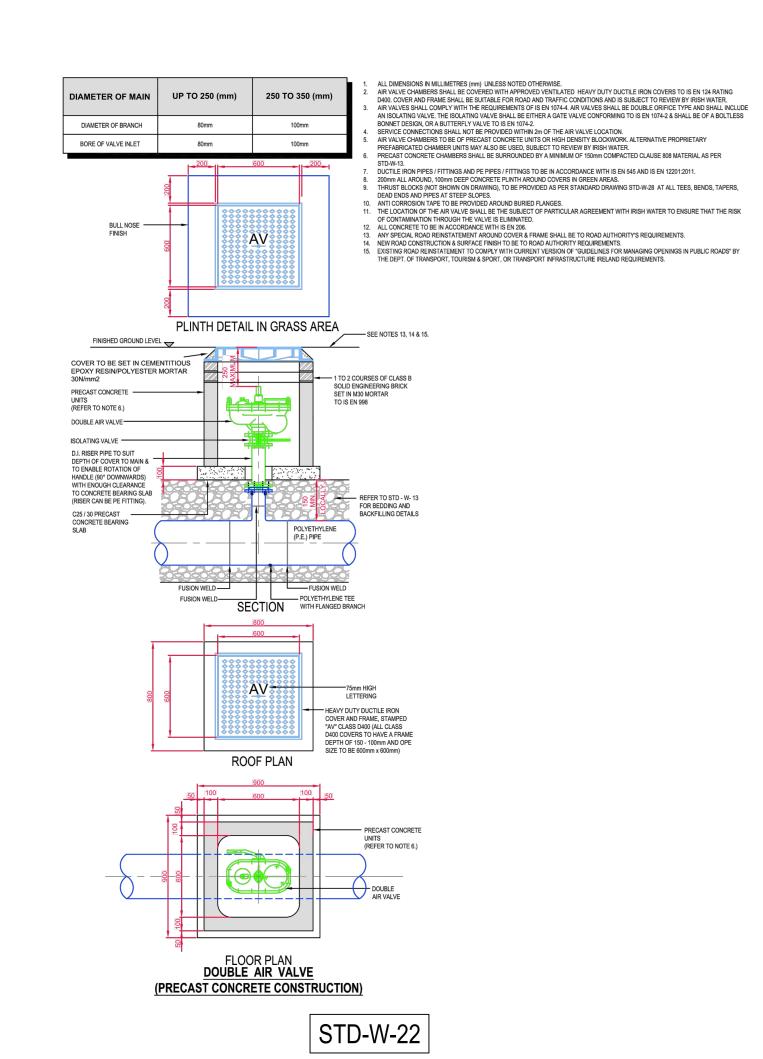
ATERMAIN (PROPOSED) SEPARATION DISTANCES

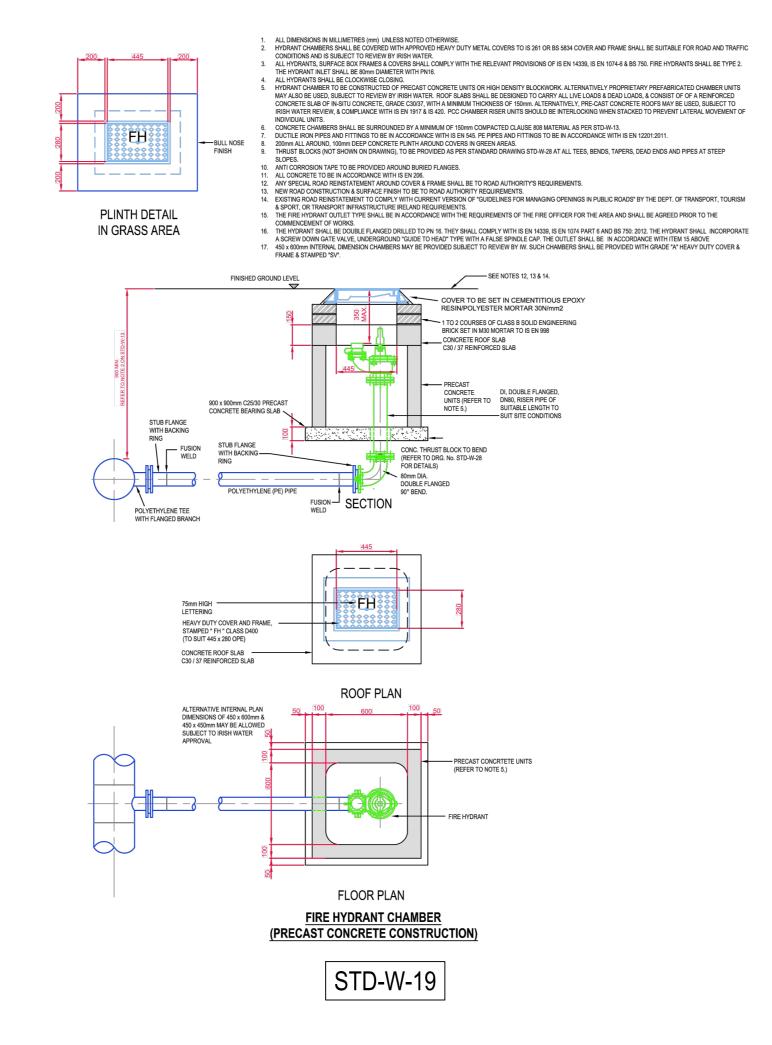
WATERMAIN (EXISTING) SEPARATION DISTANCES

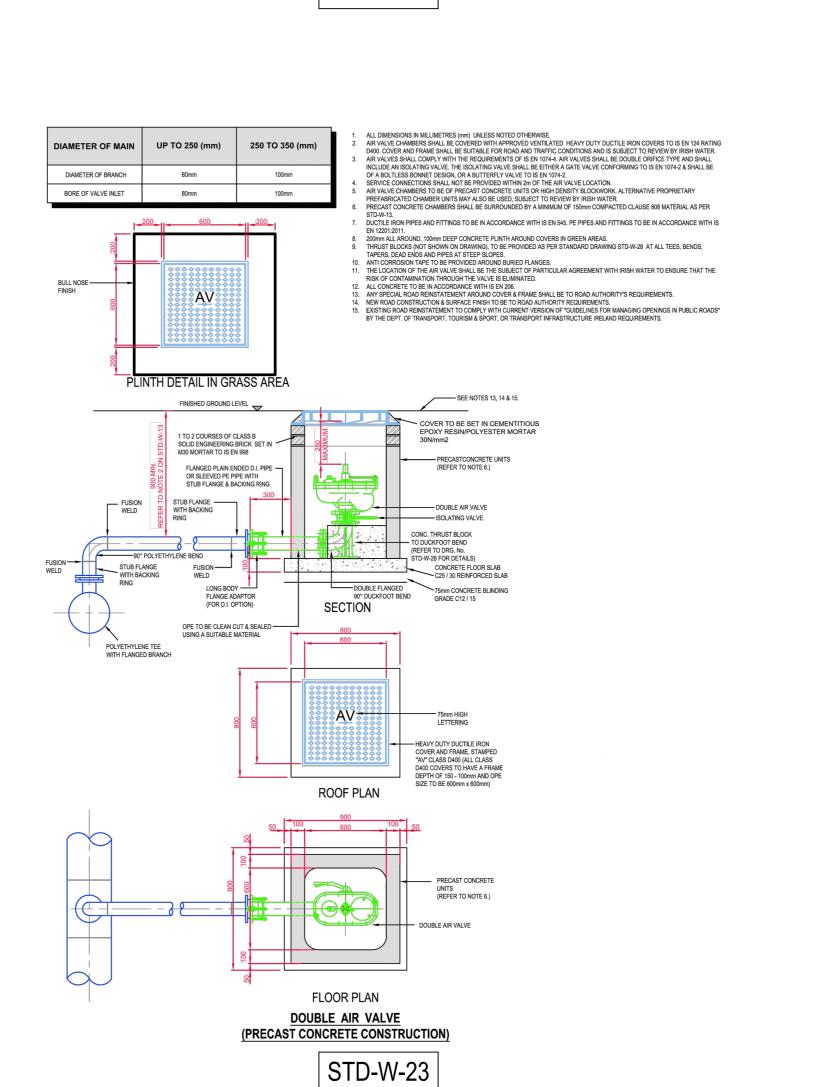
<u>DRIZONTAL</u> JOMM TO DISTRIBUTION MAINS OF LESS THAN 300mm DIAMETER

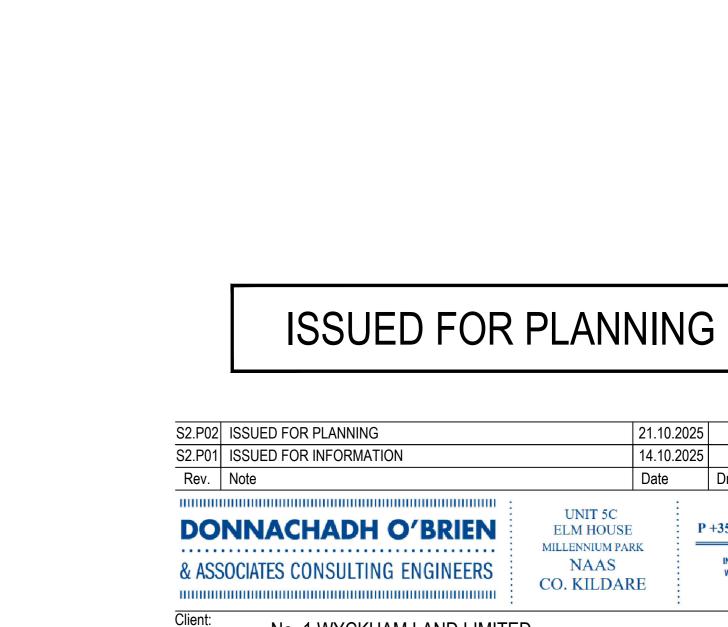
00mm TO TRUNK MAINS BETWEEN 300mm AND 450mm DIAMETER. m TO ARTERIAL WATER MAINS OF GREATER THAN 450mm DIAMETER.

<u>VERTICAL</u> 300mm TO DISTRIBUTION MAINS OF LESS THAN 300mm DIAMETER. 500mm TO TRUNK/ARTERIAL MAINS OF DIAMETER GREATER THAN 300mm.









Project Number: Drawing Number:

DOBA2451 MLD-1-52-SW-XX-DR-DOB-CE-004500

21.10.2025 AK PD 14.10.2025 BB PD

Date Drawn Check

ELM HOUSE MILLENNIUM PARK P +353 45 984 042