

100

SV

SLUICE VALVE

100

Ме

HYDRANT

100

WM

WATERMAIN

100

SUSTAINING VALVE

8

SCOUR VALVE PRESSURE REDUCING METER WASHOUT HYDRANT

MARKER POST/PLATE DETAILS

STD-W-27

180

100

AV

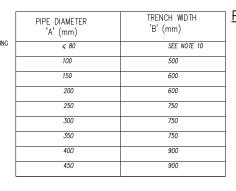
AIR VALVE

100

ScV

PE STUB FLANCE WITH

PE TO DI DETAIL



PIPĘ DIAMETER A' (mm)	DEPTH_OF_BEDDING 'C' (mm)
≼ 200	150
≥ 250	200

DI FLANGED

VALVE

(REFER TO

FLANGED PLAIN

ENDED DI PIPE

PIPE BEDDING NOTES:

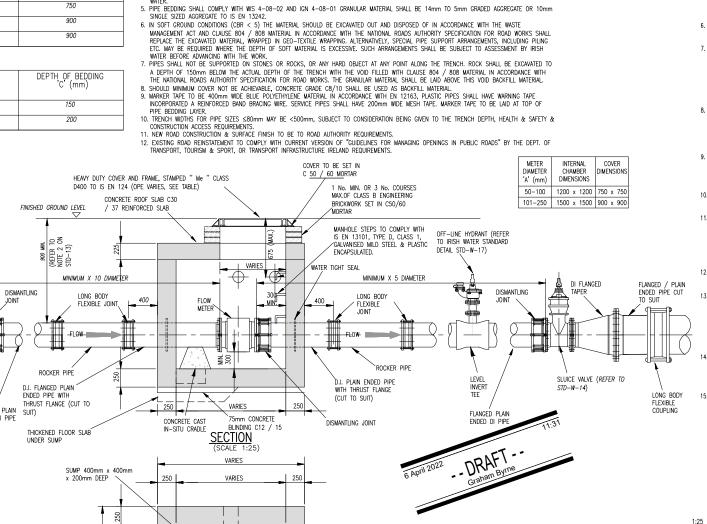
- 1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.

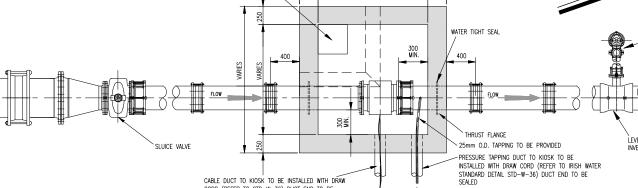
 2. THE MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF THE PIPE SHALL BE 900mm WHERE THE PIPE IS TO BE LOCATED IN HOUSING ESTATE ROADS, GREATER DEPTHS OF COVER AND/OR PIPE STRENGTH AND/OR A HIGHER CLASS OF BEDDING MATERIAL MAY BE REQUIRED WHERE HIGH TRAFFIC LOADING IS ANTICIPATED. THE DESIRABLE COVER FOR A WATERMAIN SHOULD BE 1200mm, WHERE PRACTICABLE & SHOULD NOT EXCEED 3.0m.

 3. CLAUSE 804 / 80B MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS IS TO BE USED AS BACKFILL MATERIAL WHERE THE WATER MAIN IS LOCATED IN ROADS, FOOTPATHS OR WHEN THE NEAREST PART OF THE TRENCH IS WITHIN 1m OF THE PAYED.
- EDGE OF THE ROADWAY. CLAUSE 804 / 808 IS TO BE COMPACTED AS PER CLAUSE 802 OF THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. CLAUSE 808 IS TO BE USED WITHIN 500mm OF CEMENT BOUND MATERIALS, CONCRETE PAVEMENTS, CONCRETE STRUCTURES OR CONCRETE PRODUCTS. OTHERWISE CLAUSE 804 MAY BE USED. ALTERNATIVE BACKFILL MATERIAL TO THAT DESCRIBED ABOVE (CLAUSE 804 OR CLAUSE 808) OF THE PIPE TRENCH WILL ONLY BE ALLOWED BY IRISH WATER WHERE THE ROADS AUTHORITY IN WHOSE FUNCTIONAL AREA THE DEVELOPMENT IS LOCATED, PROVIDES WRITTEN APPROVAL TO THE DEVELOPER TO THE USE SUCH ALTERNATIVE MATERIAL.

 4. SELECTED EXCAVATED MATERIAL MAY BE USED IN GREEN-FIELD AREAS ABOVE GRANULAR PIPE SURROUND MATERIAL. SUBJECT TO REVIEW BY IRISH
- WALLS.

 PIPE BEDDING SHALL COMPLY WITH WIS 4-08-02 AND IGN 4-08-01 GRANULAR MATERIAL SHALL BE 14mm TO 5mm GRADED AGGREGATE OR 10mm





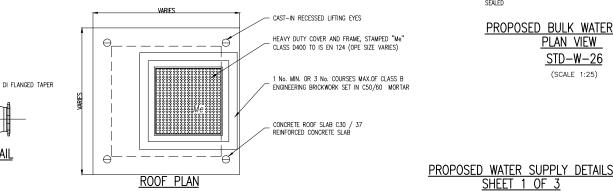
CABLE DUCT TO KIOSK TO BE INSTALLED WITH DRAW CORD (REFER TO STD-W-36) DUCT END TO BE SEALED

SHEET 1 OF 3

PLAN VIEW

STD-W-26

(SCALE 1:25)



100

ВМ

2

100

WO

BULK METER

PROPOSED BULK WATER METER

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. STRUCTURAL DESIGN AND REINFORCEMENT DETAIL TO BE PROVIDED BY THE DEVELOPER
AND SUBMITTED TO IRISH WATER FOR REVIEW. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-STU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 225mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW, & COMPLIANCE WITH BS 5911, Part 4.
3. CONCRETE FOR FLOW METER CHAMBER TO BE C30/37.
4. PRECAST UNITS COMPLETED WITH RUBBER SEALING GASKET BETWEEN UNITS, COMPLYING WITH THE REQUIREMENTS OF IS EN 1917 AND BS 5911-PART 3, COMPLETE WITH 150mm CONCRETE SURROUND MAY BE USED AS AN ACCEPTABLE ALTERNATIVE. CONCRETE SURROUND TO BE GRADE C16/20 IN ACCORDANCE WITH IS BY 256

METER CALIBRATION

(REFER TO STD-W-17)

SLUICE VALVE

- WITH IS EN 206.
 5. METER CHAMBER SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS EN 124: 1994 RATING D400. COVER AND FRAME SHALL BE

- SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
 6. 200mm ALL ROUND, 100mm DEEP CONCRETE PLINTH AROUND COVER IN GRASS AREAS.
 7. ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED ELANGES.
 8. 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. I. ALL CHAMBERS TO BE CHECKED FOR UPLIET BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE, SHOULD ANTI FLOATATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW BY IRISH WATER.
- REQUIRED THE TABLE BE SUBJECT TO REVIEW BY INSON WATER.

 TO, PIPEWORK TO BE DOWNSIZED TO ACCOMMODATE THE REQUIRED RANGE OF THE FLOW METER. STRAIGHT PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF THE METER TO BE PROVIDED. THE METER STALL BE CAPABLE OF ACCURATE NIGHT FLOW MEASURAMENTS.

- MEILER TO BE PROVIDED. THE MEILER SHALL BE CAYABLE OF ACCUPATE NIGHT FLOW MEASURAMENTS.

 11. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.

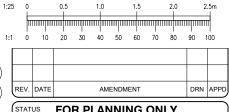
 12. ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.

 13. NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY COUREMENTS.

 14. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "CUDELINES FOR MANAGING OPENING IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.

NOTES:

- 1. DO NOT SCALE, USE FIGURED DIMENSIONS ONLY.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT
- 3. WATERMAINS SHALL BE LAID IN ACCORDANCE WITH THE LOCAL ALITHORITY WALERWANDS SYMLE BUILD IN ACCORDANCE WITH THE LOCAL AUTHORITY
 SECRETICATION FOR THE LAYING OF NEW WALERWANDS AND BYLAWS WHICH
 OVER-RIDE THESE NOTES. THE CONSTRUCTION OF THE WATERWANN SHALL BE IN
 ACCORDANCE WITH THE BEST CURRENT PRACTICE. AND THE LATEST EDITIONS
 OF THE RELEVANT STANDARDS AND CODES OF PRACTICE.
- 4. WATERMAINS SHALL NOT BE LAID UNDER WALLS OR AREAS DESIGNATED FOR TREES/SHRUBS/FLOWERS.
- 5. PIPES SHALL BE HDPE (BLUE PIPE) UNLESS NOTED OTHERWISE BY AGREEMENT WITH THE LOCAL AUTHORITY. DUCTILE IRON PIPES SHALL BE USED UNDER ROADS OF CLASSIFICATION "DISTRICT DISTRIBUTOR" UPWARDS UNLESS NOTED OTHERWISE.
- 6. PIPES SHALL CONFORM TO THE UK WATER INDUSTRY SPECIFICATION OR
- 7. DUCTILE IRON PIPES SHALL CONFORM TO CLASS K9 OF EN 545. DUCTILE IRON FITTINGS SHALL BE EITHER K9 OR K12. DUCTILE IRON PIPEWORK SHALL BE COATED INTERNALLY WITH A CENTRIFUCAL APPLIED CEMENT MORTAR LINING CONTAINING A SULPHAIR ESSISTANT CEMENT AND SHALL BE SEALED WITH AN APPROVED BITUMEN OR EPOXY RESIN SEAL COAT IN ACCORDANCE WITH BS 4722:1988. EXTERNAL PROFICTION SHALL INCLUDE A ZINC COATING TO EN 545 UNDER BITUMEN BASED COATING TO BS 3416:1991.
- 8. ALL PIPEWORK SHALL HAVE A 400mm WIDE WATER WARNING MESH. (PLYAGE HR AGE FIFEDORS SPALE, TAYER A SOUTHIN BULL MICH. MARKING MESST, (FLINGE IN 400 BILUE CLYTHENE WARNING MESH OR SMILLAR) LAID DIRECTLY OVER THE CENTRELINE OF THE PIPELINE AND TIED TO VALVES AT A DEPTH OF 350mm BELOW THE FINSHED GROUND SURFACE. SUPPLY PIPES SHALL HAVE A 200mm WIDE MESH LAID AT THE SAME DEPTH.
- WATERMAINS SHALL BE LAID UNDER FOOTPATHS PREFERABLY OR GRASS MARGINS WHERE APPROVED. NO PIPE, CONDUIT, CABLE OR OTHER SERVICE SHALL BE LAID LONGTUDINALLY OVER THE LINE OF A WATERMAIN. NO CABINET POLES, JUNCTION BOXES OR CHAMBERS SHALL BE CONSTRUCTED OVER A WATERMAIN.
- 10. THE MINIMUM COVER TO A WATERMAIN SHALL BE 750mm, THE MAXIMUM COVER SHALL BE 900mm UNLESS NOTED OTHERWISE.
- 11. CONNECTIONS TO THE MAINS WHICH ARE THE PROPERTY OF THE LOCAL 1. Connections to the Mains Which are the Property of the Local Authority can be made by the Local Authority can be made by the Local Authority control of other person May interfere in any way with these mains, such connections will be made by the county council at the expense of the persons reduring them. The estimated cost of such connections must be loosed with to the Local Authority before the work is undertaken.
- 12. WHERE VALVES ARE USED. THEY SHALL BE BOLTED TO FITTINGS (E.G. TEE-
- 13. SLUICE VALVES SHALL COMPLY WITH THE THE LOCAL AUTHORITY SPECIFICATION FOR SLUICE VALVES. THEY SHALL BE DOUBLE FLANGED, DUCTILE IRON RESULENT SEAL CATE VALVES FOR WATER DIVISION PURPOSES AND SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF BS 5163: 1986 TYPE B AND HAVE THE BS KITEMARK. ALL SLUICE VALVES SHALL BE OF THE WETAL TONOUED VANETY AND CONSTRUCTED WITH A RECESSED CHANNEL FOR RECEIVING THE METAL TONGUE ON CLOSING.
- 14. HYDRANTS, SLUICE VALVES, AIR VALVES CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY SURFACE COVERS TO IS 261: 1984. THESE APPROVED METAL COVERS SHALL CONFORM TO THE LOCAL AUTHORITY SPECIFICATION FOR
- 15. HYDRANT/SLUICE VALVE/FLOW METER INDICATOR PLATES AND BASEBOARDS SHALL COMPLY WITH THE RELEVANT LOCAL AUTHORITY SPECIFICATION. THEY SHALL BE MOUNTED AT THE BOUNDARY OF THE PUBLIC THOROUGHFARE NEAREST TO THE



FOR PLANNING ONLY **NOT FOR CONSTRUCTION**



Waterman Moylan

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SANDYFORD ENVIRONMENTAL CONSTRUCTON LTD CLIENT

ARCHITECT MC CAULEY DAYE O'CONNELL

PROJECT

TACK SANDYFORD SHD

WATER SUPPLY DETAILS SHEET 1 OF 3

MAR. '22

1:25 @A1 21-118