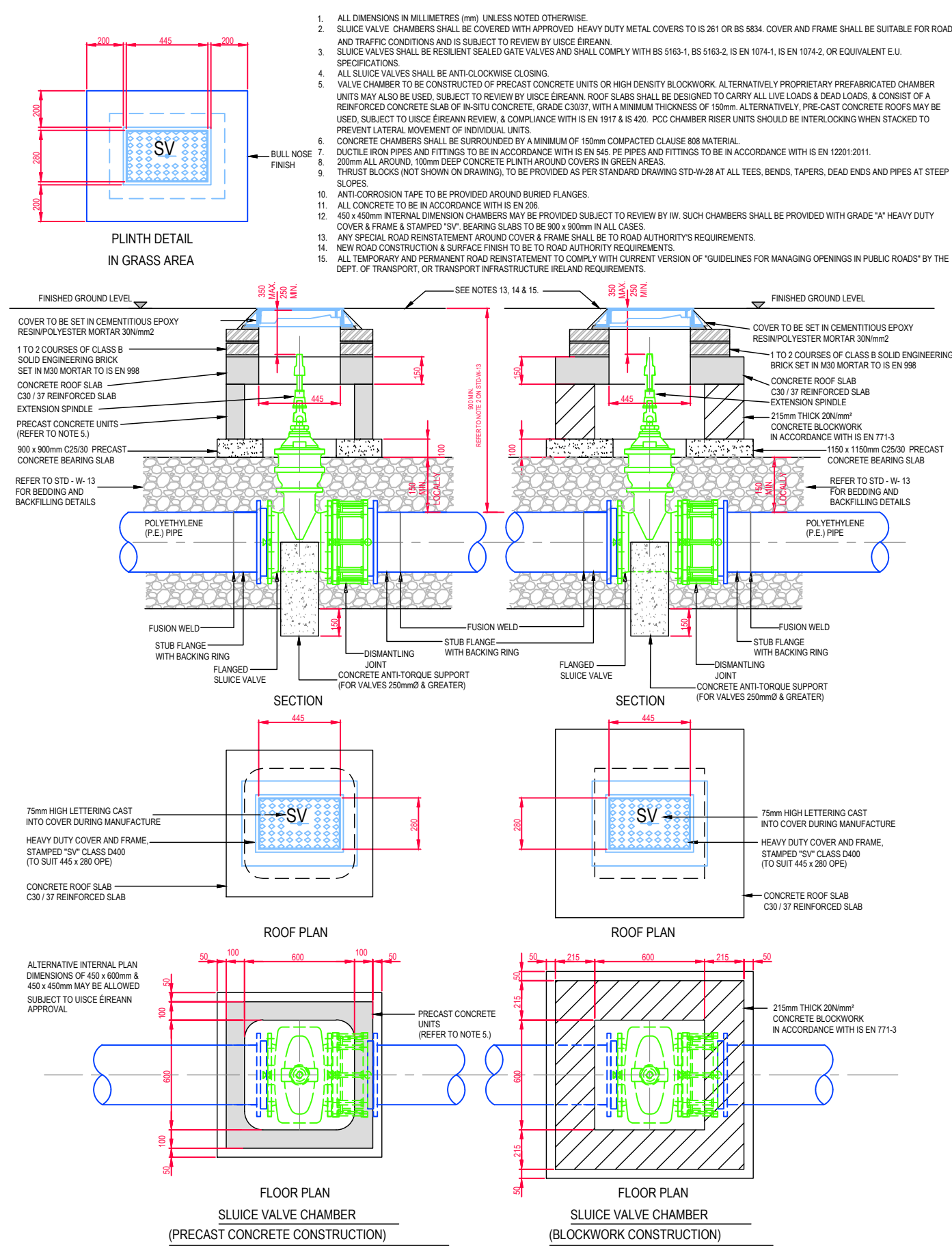
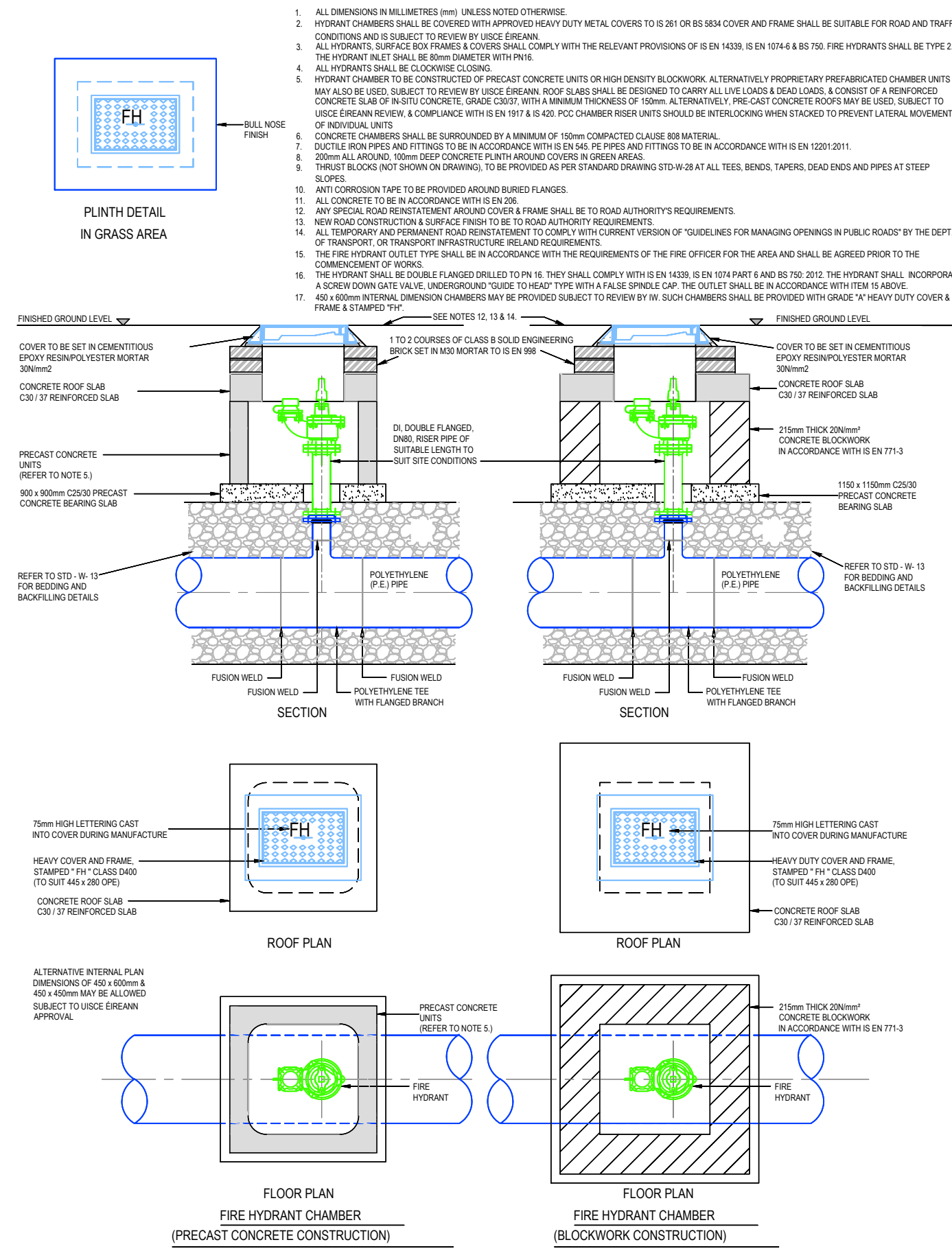


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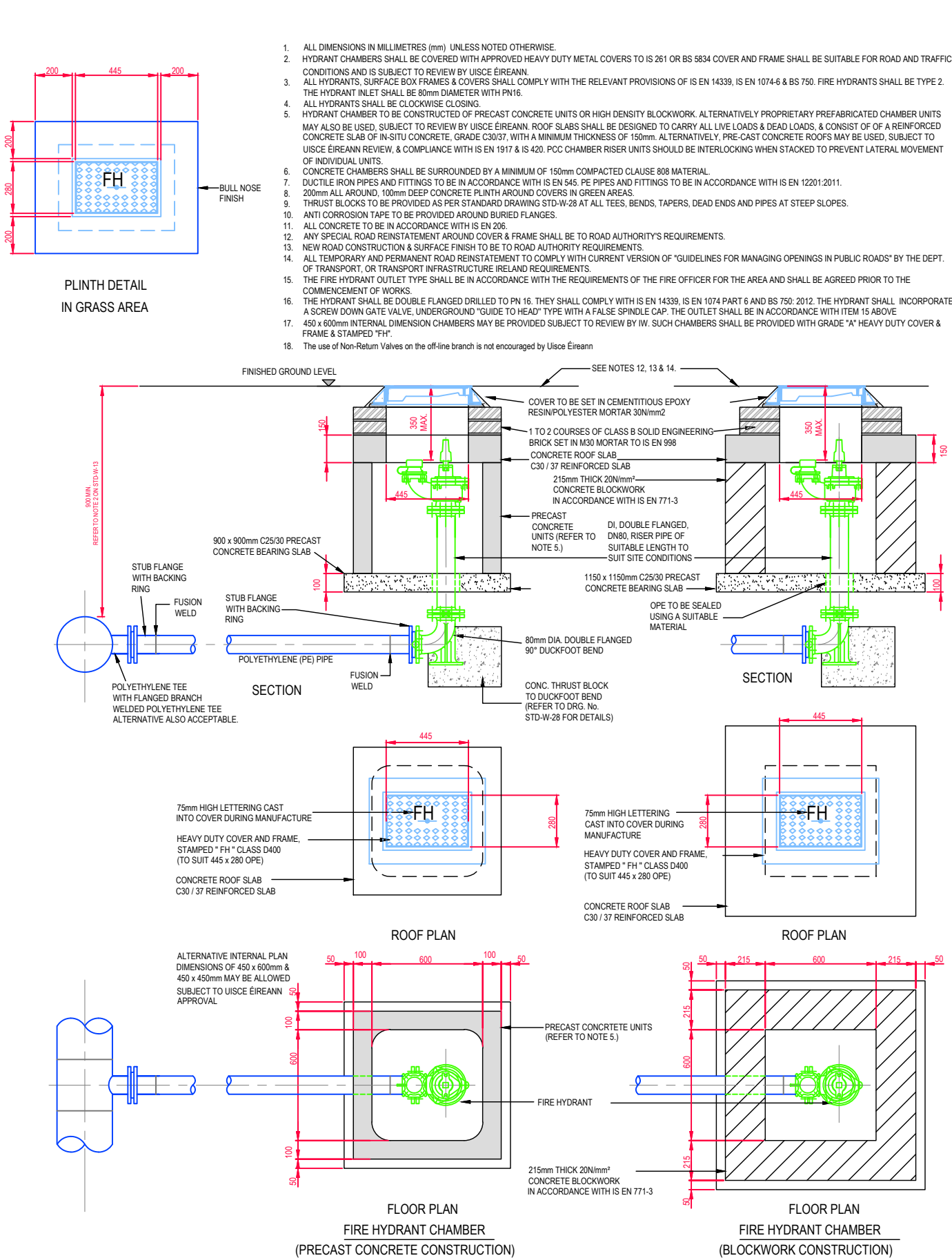
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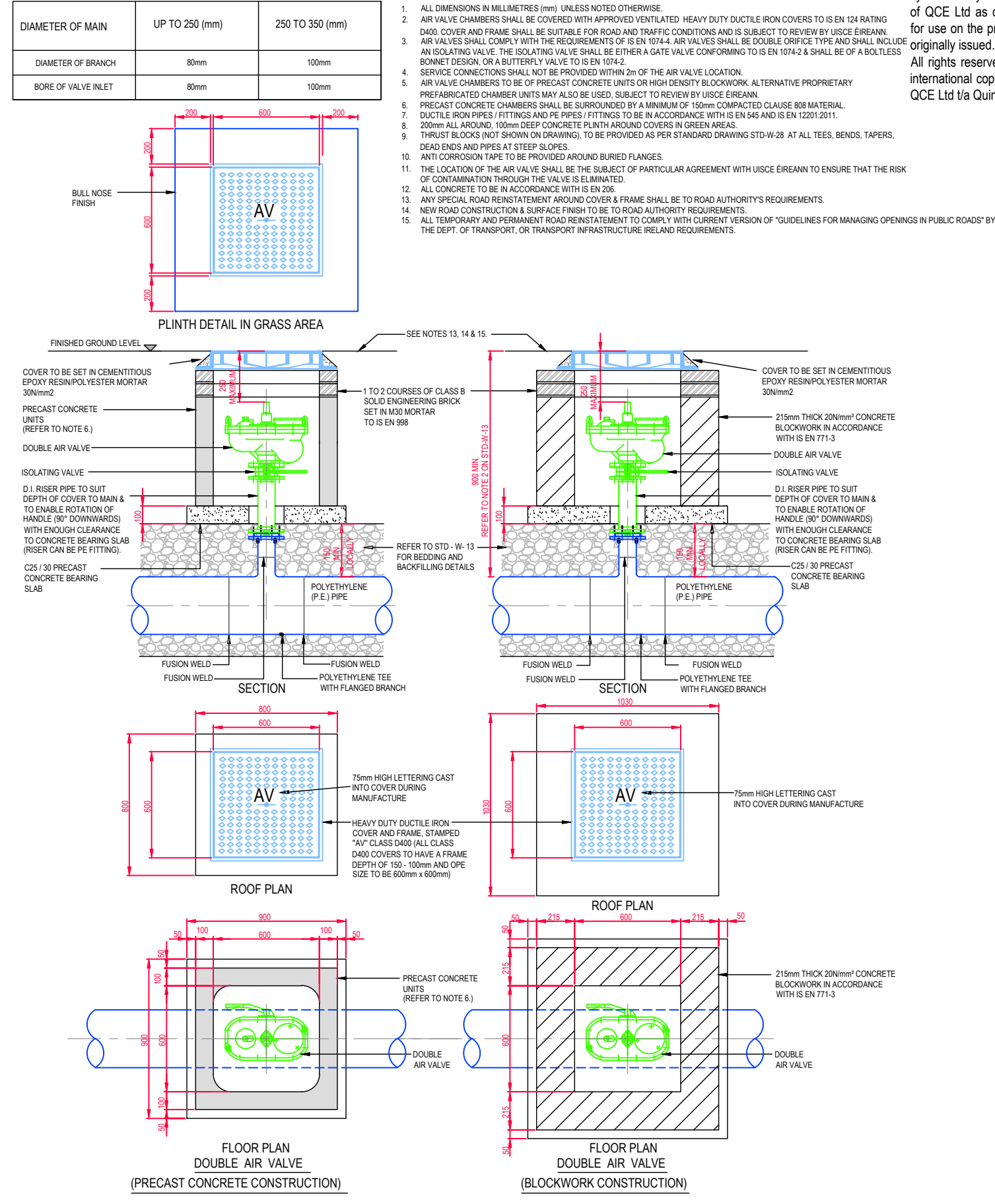
Sluice Valve Chamber and Fittings Detail:
Scale: NTS



On-Line Hydrant Chamber and Fittings Details
Scale: NTS

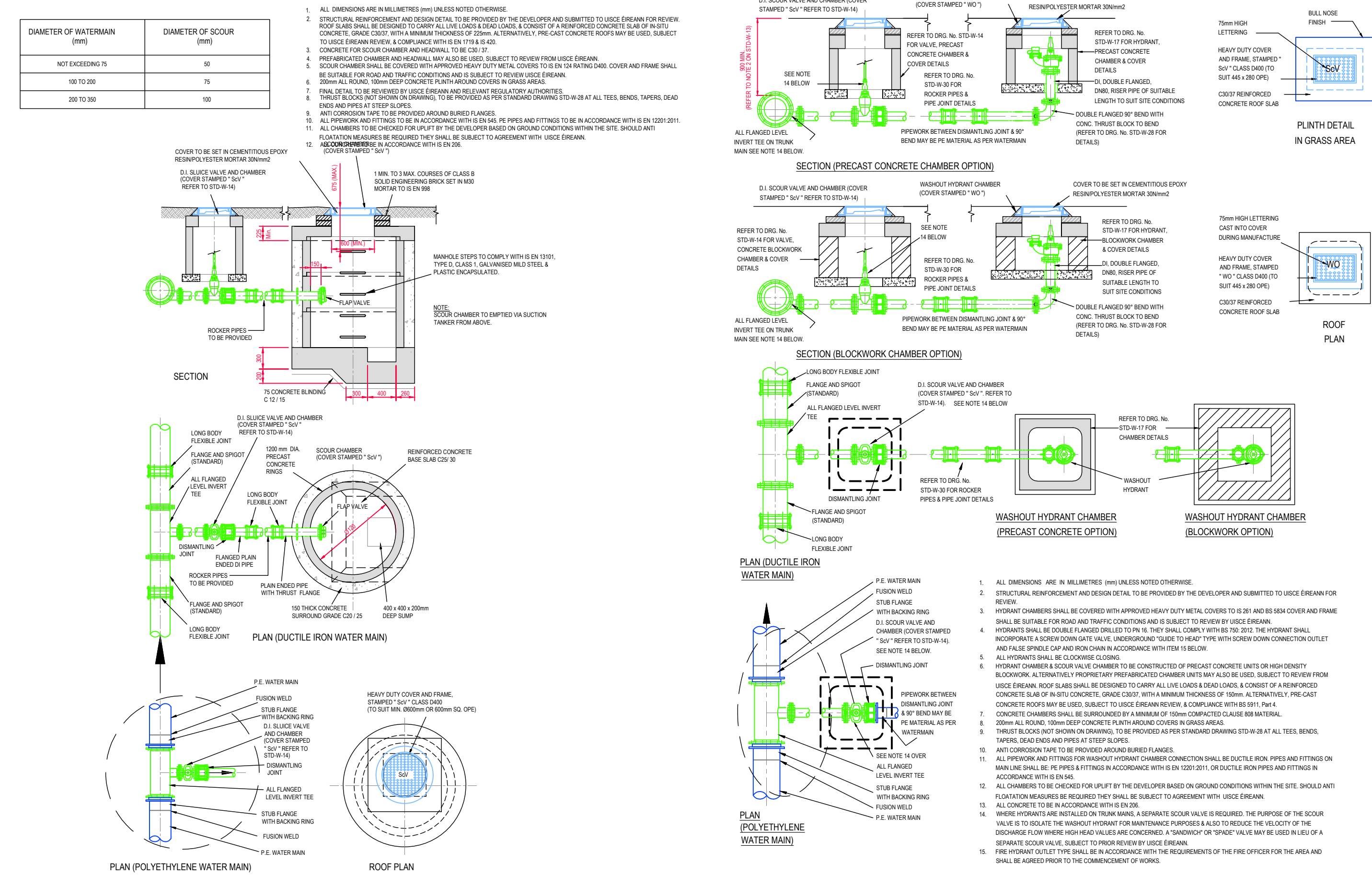


Off-Line Hydrant Chamber and Fittings Details
Scale: NTS

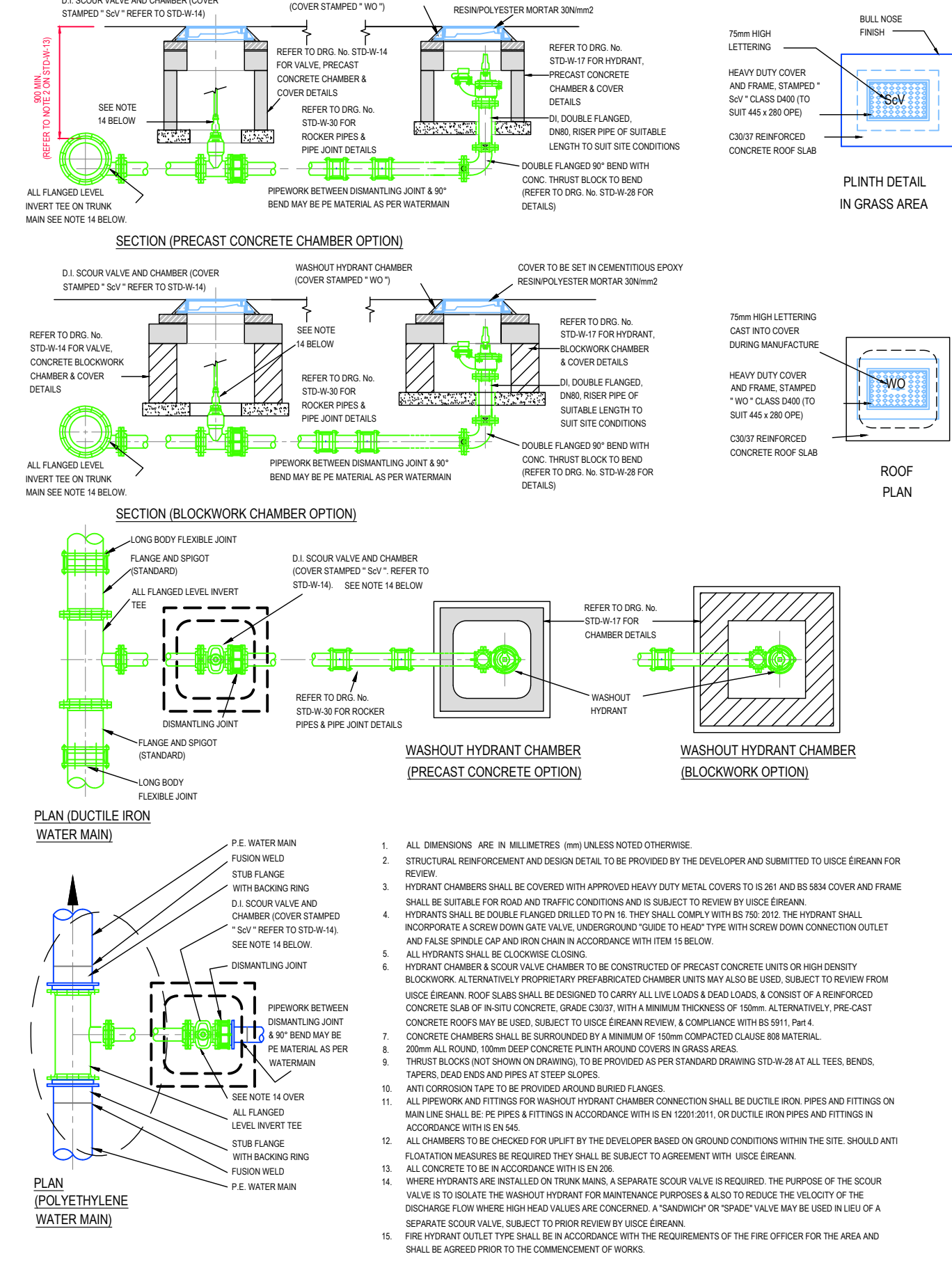


On-Line Air Valve Chamber and Fittings Detail
Scale: NTS

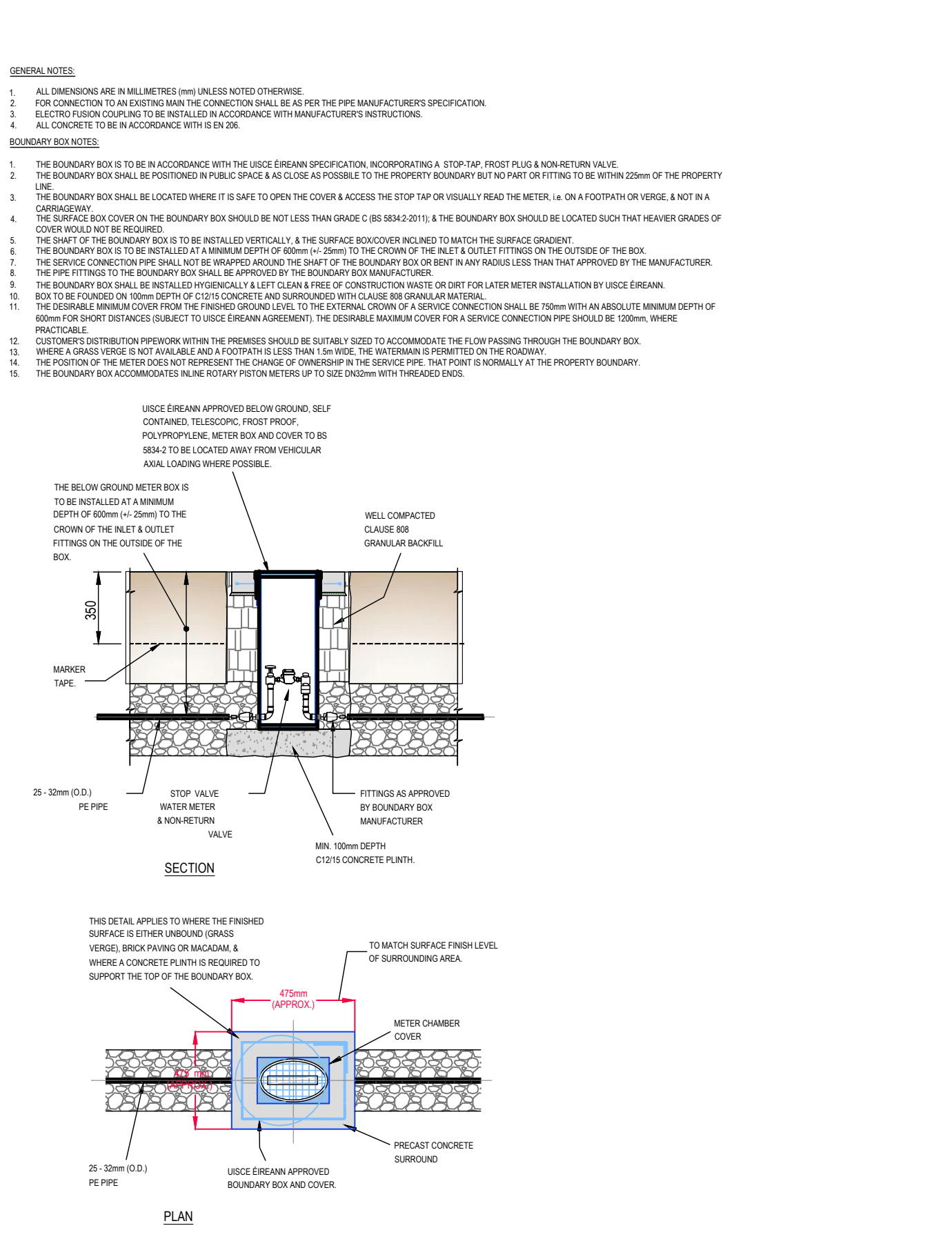
DIAMETER OF WATERMAIN (mm)	DIAMETER OF SCOUR (mm)
NOT EXCEEDING 75	50
100 TO 200	75
200 TO 350	100



Scour Valve Chamber and Fittings Details
Scale: NTS



Washout Hydrant Chamber and Fittings Details
Scale: NTS



25-32mm Dia Inline Water Meter Chamber Details
Scale: NTS

ALL BE AS PER THE PIPE MANUFACTURER'S SPECIFICATION.
E WITH MANUFACTURER'S INSTRUCTIONS.

SERIAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS (MM) UNLESS NOTED OTHERWISE.
2. FOR CONNECTION TO AN EXISTING MANHOLE THE CONNECTION SHALL BE AS CLOSE AS POSSIBLE TO THE PROPERTY BOUNDARY BUT NOT OVERTOPPING TO BE WITHIN 22mm OF THE PROPERTY LINE.
3. ELECTRO FUSION COUPLING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS.
4. ALL CONNECTIONS TO BE IN ACCORDANCE WITH BS EN 261.

BOUNDARY BOX NOTES

1. THE BOUNDARY BOX IS TO BE IN ACCORDANCE WITH THE USEAN EREANN SPECIFICATION, INCORPORATING A STOP-FRAG, FROST PLUG & NON-RETURN VALVE.
2. THE BOUNDARY BOX SHALL BE POSITIONED IN PUBLIC SPACE & AS CLOSE AS POSSIBLE TO THE PROPERTY BOUNDARY BUT NOT OVERTOPPING TO BE WITHIN 22mm OF THE PROPERTY LINE.
3. THE BOUNDARY BOX SHOULD BE LOCATED WHERE IT IS SAFE TO OPEN THE COVER & ACCESS THE STOP FRAG OR VISUALLY READ THE METER, i.e. ON A FOOTPATH OR VERGE, & NOT IN A CARBARIAGE.
4. THE SURFACE BOX COVER OVER THE BOUNDARY BOX SHOULD BE NOT LESS THAN GRADE (BS 3854:2014). A BOUNDARY BOX SHOULD BE LOCATED SUCH THAT HEAVIER GRADES OF COVER WOULD NOT BE REQUIRED.
5. THE SHIRT OF THE BOUNDARY BOX SHALL BE INSTALLED VERTICALLY & THE SURFACE ADJACENT RIGIDLY TO MATCH THE SURFACE GRADIENT.
6. THE BOUNDARY BOX IS TO BE INSTALLED AT MINIMUM DEPTH OF 900mm (+/- 20mm) TO THE CROWN OF THE INLET & OUTLET FITTINGS ON THE OUTSIDE OF THE BOX.
7. THE SERVICE CONNECTION PIPE SHALL NOT BE AWAY FROM THE SHAFT OF THE BOUNDARY BOX OR BENT IN ANY RADIIUS LESS THAN THAT APPROVED BY THE MANUFACTURER.
8. THE PIPE FITTINGS TO THE ROADWAY BOX MUST BE APPROVED BY THE BOUNDARY BOX MANUFACTURER.
9. THE BOUNDARY BOX SHALL BE INSTALLED HYDRAULICALLY LEFT CLEAN & FREE OF CONSTRUCTION WASTE OR LEFT CLEAR FOR LATER METER INSTALLATION BY USEE EREANN.
10. BOX TO BE FORMED TO 100mm DEPTH OF CURB CONCRETE AND SURFACING WITH CLASS 608 GRANULAR MATERIAL.
11. THE DESIRABLE MINIMUM COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF A SERVICE CONNECTION SHALL BE 700mm WITH AN ABSOLUTE MINIMUM DEPTH OF 600mm FOR SHORT DISTANCES SUBJECT TO USEE EREANN AGREEMENT. THE DESIRABLE MAXIMUM COVER FOR A SERVICE CONNECTION PIPE SHOULD BE 3200mm, WHERE PRACTICABLE.
12. CUSTOMER DISTRIBUTION PIPEWORK WITHIN THE PREMISES SHOULD BE SUITABLY SIZED TO ACCOMMODATE THE FLOW PASSING THROUGH THE BOUNDARY BOX.
13. WHERE A GRADE VERGE IS NOT AVAILABLE AND A FOOTPATH IS LESS THAN 1.5m WIDE, THE INTERIOR IS PERMITTED ON THE ROADWAY.
14. THE POSITION OF THE METER DOES NOT REPRESENT THE CHANGE OF OWNERSHIP IN THE SERVICE PIPE, THAT POINT IS NORMALLY AT THE PROPERTY BOUNDARY.
15. THE BOUNDARY BOX ACCORDANT TO BS EN 261 ROTARY PISTON METERS UP TO SIZE 60x20mm WITH THREADED ENDS.

USEE EREANN APPROVED BELOW GROUND, SELF CONTAINED, TELESCOPIC PROOF PROOF POLYPROPYLENE, METER BOX AND COVER TO BE BS84 TO BE LOCATED AWAY FROM VEHICULAR TRAIL LOADING WHERE POSSIBLE.

The diagram illustrates the installation of a boundary box and meter chamber. Key components and labels include:

- Below Ground:**
 - 25-32mm (O.D.) PE PIPE
 - STOP VALVE
 - WATER METER
 - NON-RETURN VALVE
 - FITTINGS AS APPROVED BY BOUNDARY BOX MANUFACTURER
 - MIN. 100mm DEPTH C12/15 CONCRETE PLINTH
 - METER CHAMBER COVER
 - PREFCAST CONCRETE SURROUND
- Above Ground:**
 - TO NOTATION SURFACE FINISH LEVEL OF SURROUNDING AREA
- Dimensions and Notes:**
 - 350mm depth for the box.
 - 475mm (APPROX.) for the meter chamber cover.
 - 100mm DEPTH C12/15 CONCRETE PLINTH.
 - MIN. COMPACTED CLASS 608 GRANULAR BACKFILL.
 - THE BELOW GROUND METER BOX IS TO BE INSTALLED AT A MINIMUM DEPTH OF 800mm (+/- 20mm) TO THE CROWN OF THE INLET & OUTLET FITTINGS ON THE OUTSIDE OF THE BOX.
 - THIS DETAIL APPLIES TO WHERE THE FINISHED SURFACE IS EITHER UNBOUND DRAIN VERGEL, BRICK PAVING OR PARADEWAY WHERE A CONCRETE PLINTH IS REQUIRED TO SUPPORT THE TOP OF THE BOUNDARY BOX.

Rev	Description	Date

Project: Proposed Upgrade Works Project - Roo West GWS

Client:
Roo West Group Water Scheme Committee

Drawing Title:
Standard Details Sheet 1

Scale: As Shown Drawn By: JQ

Status:	Dwg Size:	Date:
Tender	A1	6-7-20

Job No:	Dwg No.:	Rev:
26/711	26-711-004	0

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