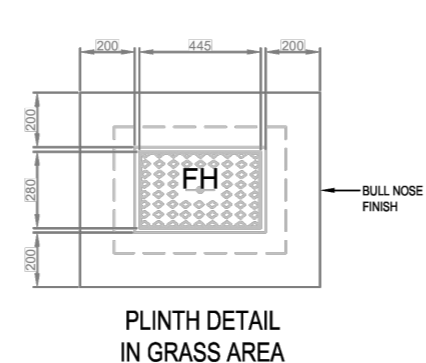
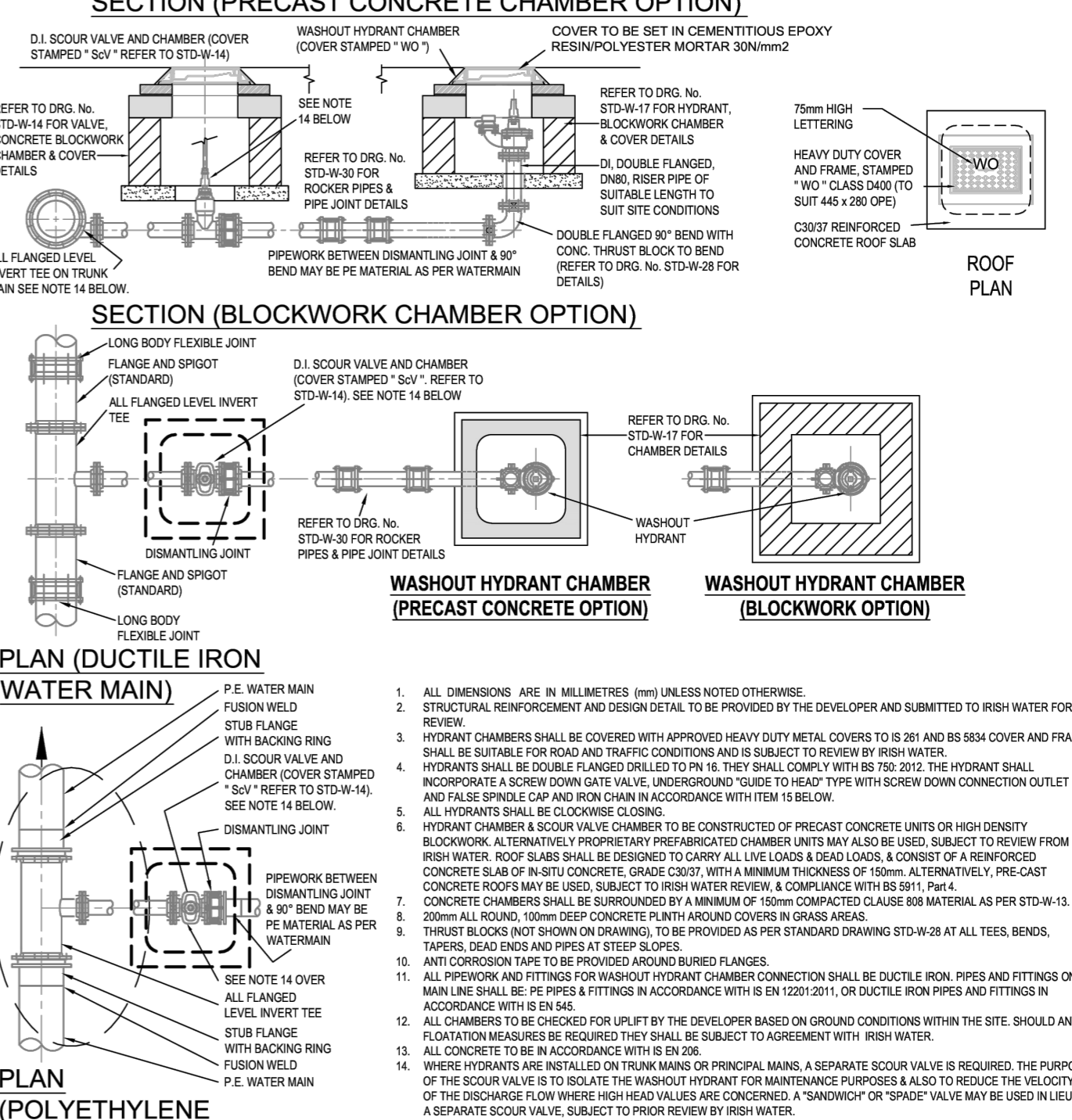
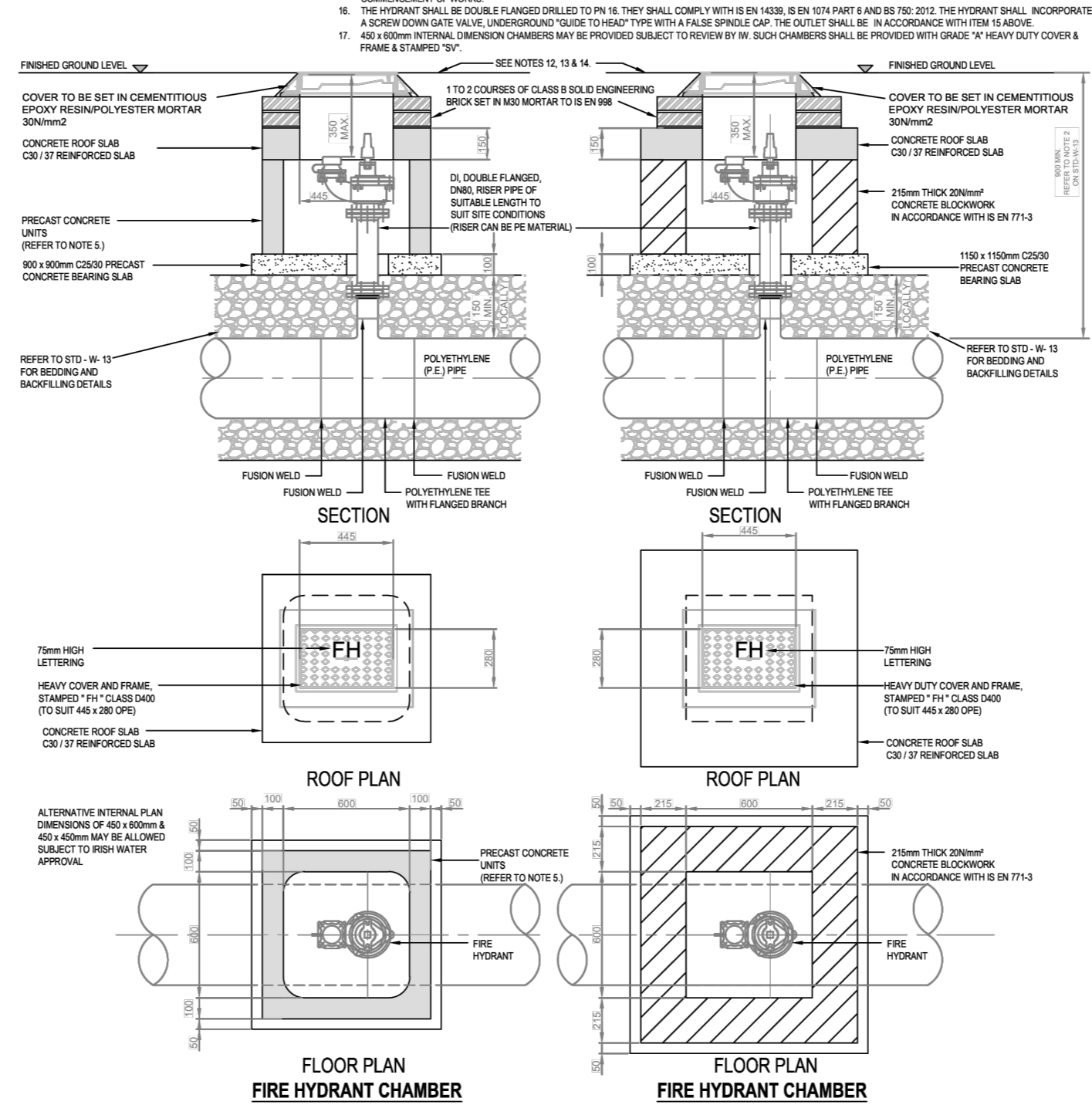
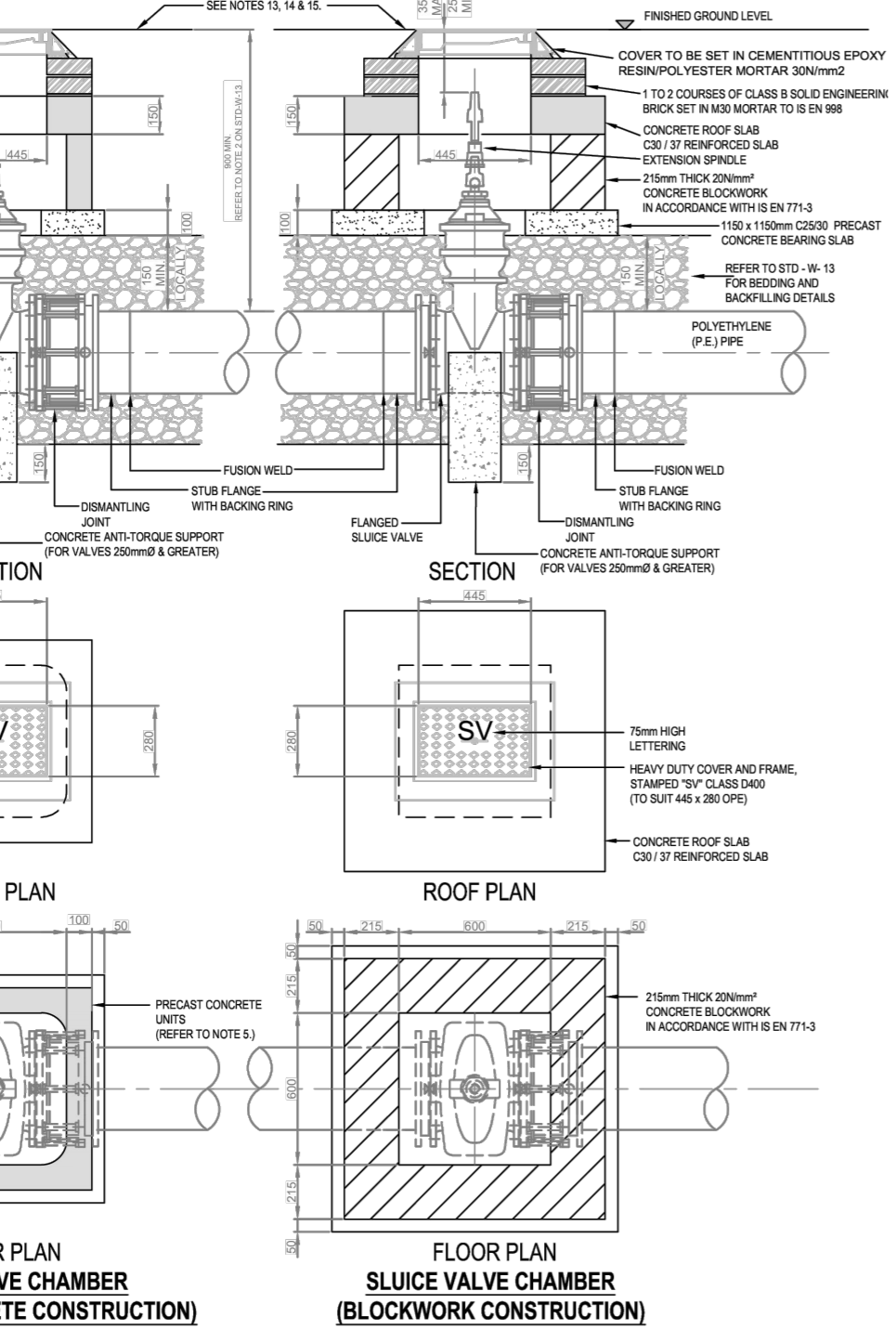
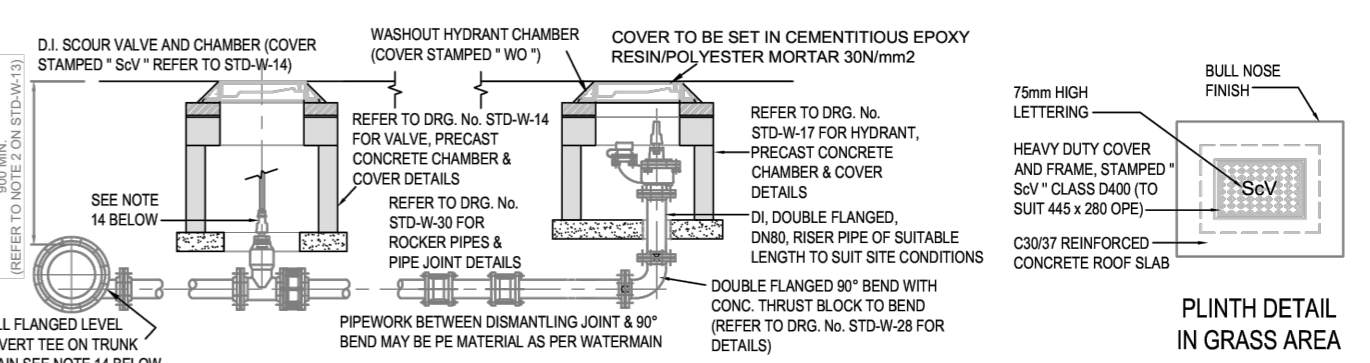


- ALL DIMENSIONS IN MILLIMETRES (MM) UNLESS NOTED OTHERWISE.
- SLUICE VALVE CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO BS 391 OR BS 854 COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
- VALVE CHAMBERS SHALL BE RESILIENT BEARING AND SHALL COMPLY WITH BS 5163, BS 5162, BS EN 1074-2 OR EQUIVALENT AS SPECIFICATIONS.
- ALL SLUICE VALVES SHALL BE ANTI-CLOCKWISE CLOSING.
- VALVE CHAMBERS 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. A COMBINATION OF A REINFORCED CONCRETE SLAB OF MINIMUM THICKNESS OF 100mm ALTERNATIVELY PRECAST CONCRETE ROOF SLAB MAY BE USED. SUBJECT TO IRISH WATER REVIEW. A CLEARANCE WITH EN 1917 IS REQUIRED. PRECAST CONCRETE UNITS SHOULD BE INTERLOCKED WHERE STAGGED TO PREVENT LATERAL MOVEMENT OF INDIVIDUAL UNITS.
- CONCRETE CHAMBERS SHALL BE SUBSTRUCTURED BY A MINIMUM OF 100mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.
- DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH BS EN 558 PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH EN 12011:2011.
- 200mm ALL AROUND, 100mm DEEP CONCRETE WITH 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 STEP SLOPES.
- ANTI-CORROSION TAPES TO BE PROVIDED AROUND BURIED FLANGES.
- ALL CONCRETE TO BE ACCORDING WITH BS EN 206.
- 400 x 40mm INTERNAL DIMENSION CHAMBERS MAY BE PROVIDED SUBJECT TO REVIEW BY IRISH WATER. SUCH CHAMBERS SHALL BE PROVIDED WITH GRADE "A" HEAVY DUTY COVER & FRAME STAMPED "W". BEARING SLABS TO BE 80mm IN ALL CASES.
- ANY SPECIAL ROAD REINFORCEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY REQUIREMENTS.
- NEW ROAD CONSTRUCTION SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
- EXISTING ROAD REINFORCEMENT TO COMPLY WITH CURRENT VERSIONS OF "GUIDELINES FOR MAKING OPENINGS IN PUBLIC ROAD" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE REQUIREMENTS.
- EXISTING ROAD REINFORCEMENT TO COMPLY WITH CURRENT VERSIONS OF "GUIDELINES FOR MAKING OPENINGS IN PUBLIC ROAD" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE REQUIREMENTS.



- ALL DIMENSIONS IN MILLIMETRES (MM) UNLESS NOTED OTHERWISE.
- SLUICE VALVE CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO BS 391 OR BS 854 COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
- ALL HYDRANT SURFACE FRAMES COVERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 14326, BS EN 1074-4 & BS 700. FIRE-HYDRANTS SHALL BE TYPE 2. ALL HYDRANTS SHALL BE CLOCKWISE CLOSING.
- HYDRANT CHAMBERS 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. A COMBINATION OF A REINFORCED CONCRETE SLAB OF MINIMUM THICKNESS OF 100mm ALTERNATIVELY PRECAST CONCRETE ROOF SLAB MAY BE USED. SUBJECT TO IRISH WATER REVIEW. A CLEARANCE WITH EN 1917 IS REQUIRED. PRECAST CONCRETE UNITS SHOULD BE INTERLOCKED WHERE STAGGED TO PREVENT LATERAL MOVEMENT OF INDIVIDUAL UNITS.
- CONCRETE CHAMBERS SHALL BE SUBSTRUCTURED BY A MINIMUM OF 100mm COMPACTED CLAUSE 808 MATERIAL AS PER STD-W-13.
- DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH BS EN 558 PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH EN 12011:2011.
- 200mm ALL AROUND, 100mm DEEP CONCRETE WITH 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 STEP SLOPES.
- ANTI-CORROSION TAPES TO BE PROVIDED AROUND BURIED FLANGES.
- ALL CONCRETE TO BE IN ACCORDANCE WITH EN 206.
- ANY SPECIAL ROAD REINFORCEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY REQUIREMENTS.
- NEW ROAD CONSTRUCTION SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
- EXISTING ROAD REINFORCEMENT TO COMPLY WITH CURRENT VERSIONS OF "GUIDELINES FOR MAKING OPENINGS IN PUBLIC ROAD" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE REQUIREMENTS.
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STD-W-15 SLUICE VALVE FOR POLYETHYLENE (P.E.) PIPE (<350mm DIA.).

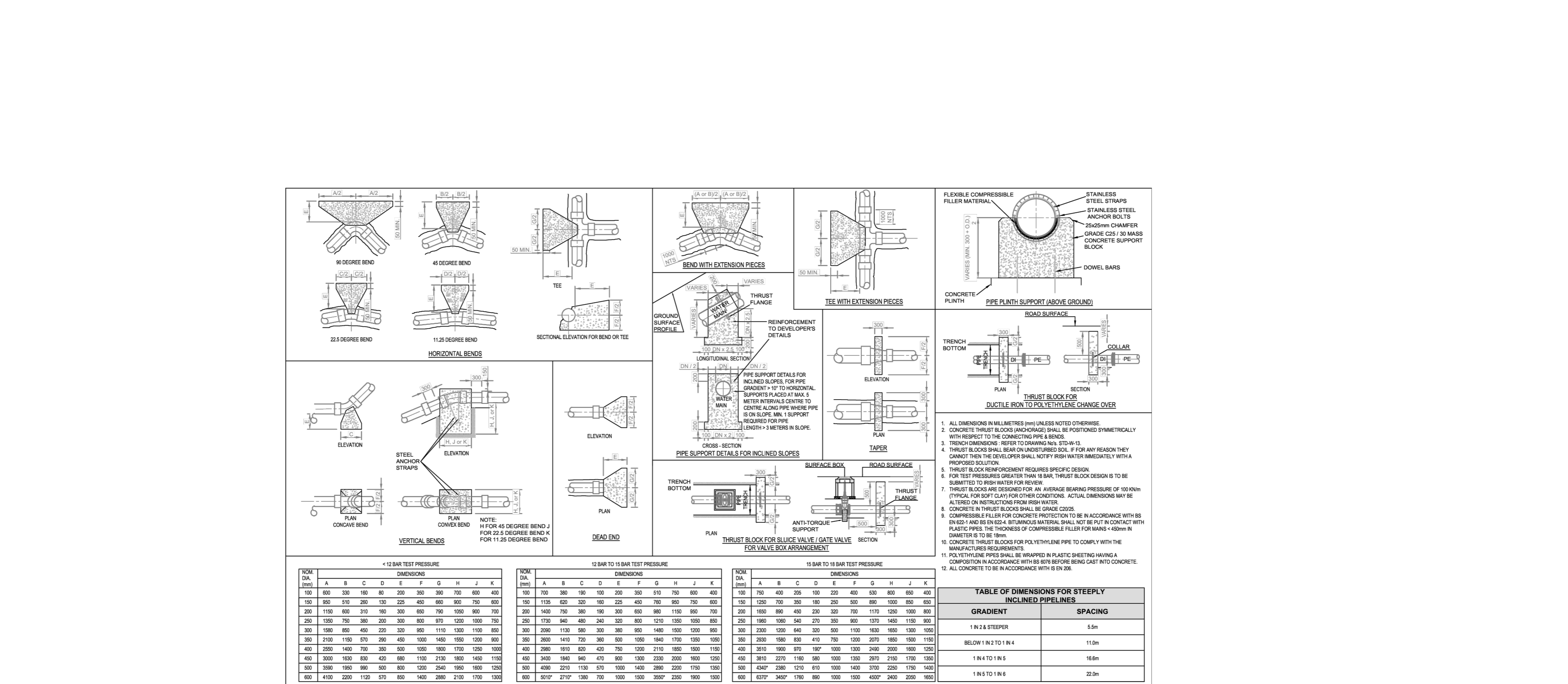
STD-W-18 ON-LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPE.

STD-W-30A WASHOUT HYDRANT.

NTS

NTS

NTS



STD-W-28 WATER MAIN THRUST AND SUPPORT BLOCKS.

NTS

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NOT FOR CONSTRUCTION.  
ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM.  
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

- NOTES**
- For setting out refer to Architect's drawings.
  - This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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| Rev. No. | Date       | REVISION NOTE                  |
|----------|------------|--------------------------------|
| P1       | 16.05.2024 | ISSUED FOR STAGE 3 PLANNING    |
| P2       | 28.06.2024 | ISSUED FOR STAGE 3 PLANNING    |
| P3       | 23.07.2024 | ISSUED FOR REVIEW              |
| P4       | 08.08.2024 | ISSUED FOR REVIEW              |
| P5       | 13.08.2024 | ISSUED FOR PLANNING SUBMISSION |

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|             |                                |
|-------------|--------------------------------|
| Client      | LDA                            |
| Project     | Clongriffin Blocks 5 & 6       |
| Title       | Watermain Details Sheet 3 of 3 |
| Dwg. No.    | CLN-CSC-XX-XX-DR-C-0137        |
| Date        | MAY 2024                       |
| Drawn by    | JS                             |
| Checked by  | JF                             |
| Approved by | NB                             |
| Scale       | AS SHOWN @ A1                  |
| Revision    | P5                             |

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ISO 50001:2011  
OHSAS 18001:2007