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ABOVE PIPE - REF DRAWING DS-DRG-WN-02020. 2.6 REINSTATEMENT LAYER. 3.1 PIPEWORK 3.1 ALL FLANGED JOINT BOLT SETS SHALL CONFORM TO WIS-4-52-03. 3.2 THE HYDRANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE TRULY PLUMB. 3.3 CONCRETE SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND SLUICE TEES. A THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICALE. DEROGATION OF THE CONTENT ON THIS DRAWING REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES TECHNICAL LEAD. B. ALL MATERIALS SHALL BE COMPLIANT TO THE APPROPRIATE BS / WIS STANDARDS. C. EXTERNAL PROTECTION FOR BURIED FLANGE JOINTS, FLANGE ADAPTORS AND COUPLINGS SHALL BE TYPE PI AS DEFINED IN CLAUSE 5.14 OF CESWI GIN EDITION, THIS PROTECTION SHALL COVER THE FLANGE AND ALL NUTS, BOUPLINGS SHALL BE TYPE PI AS DEFINED IN CLAUSE 5.14 OF CESWI GIN EDITION, THIS PROTECTION SHALL COVER THE FLANGE AND ALL NUTS, BOUPLINGS SHALL BE TYPE PI AS DEFINED IN CLAUSE 5.14 OF CESWI GIN EDITION, THIS PROTECTION SHALL COVER THE FLANGE AND ALL NUTS, BOUPLINGS, SHALL BE TYPE PI AS DEFINED IN CLAUSE 5.14 OF CESWI GIN EDITION, THIS PROTECTION SHALL COVER THE FLANGE AND ALL NUTS, BOUPLINGS, SHALL BE TYPE PI AS DEFINED IN CLAUSE 5.14 OF CESWI GIN EDITION, THIS PROTECTION SHALL COVER THE FLANGE AND ALL NUTS, BOUPLINGS, JOINT PROTECTION AND METER BOXES. D. THE PIPE MATERIAL FOR USE IN CONTAMINATED GROUND SHALL BE A THAMES WHER PIPE FITTINGS, JOINT PROTECTION AND METER BOXES.	GIVEN WITHOUT OBLICATION AND WAREANTY AND THE ACCURACY CANNOT BE GUARANTED. 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1.1 ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED. 1.2 WASHOUTS SHALL BE INCLUDED TO THE RELEVANT BS / WIS STANDARDS. 1.3 FINAL ARRANGEMENT OF VALVES AND FITTINGS SHALL SUIT THE STREET ARRANGEMENT. 20 CHAMBER CONSTRUCTION DETAIL: 21 HEAVY DUTY DUCTLE IRON SURFACE BOX 430 x 280 CLEAR OPENING WITH THAMES WATER LOGO AND APPROPRIATE BACKES E OV OR FH. 22 430 x 280 CLEAR OPENING RECYCLED POLYMER CHAMBER SECTIONS. 2.3 THE SURFACE BOX SHALL BE POSITIONED SUCH THAT WHEN A KEY AND STANDIPPE ARE FITTED TO THE HYDRANT, EQUAL CLEARANCES EXIST AROUND THE SIDES OF THE BOX. 2.4 TYPE 1 BACKFILL WELL COMPACTED MINIMUM THICKNESS 300 BELOW CHAMBER. 2.5 10mm SINGLE SIZE PEA SHINGLE BED AND SURROUND TO PIPE MINIMUM 150 CHAMBER - REF DRAWING BS-ORG-WIN-02020. 2.6 REINSTATEMENT LAYER 31 PIPEWORK: 3.1 CHL FLANGED JOINT BOLT SETS SHALL CONFORM TO WIS-4-52-03. 3.2 THE HYDRANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE TRULY PLUMB. 3.3 CONCRETE SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND SULCE TEES. GUIDANCE NOTES A THIS DRAWING ADDITO DIC SETS PRACTICE AND SHALL BE ADHERED TO TO WHERENET PRACTICALS BEST PRACTICE AND SHALL BE ADHERED TO WHERENET PRACTICALS BEST PRACTICE AND SHALL BE ADHERED TO WHERENET PRACTICALS BEST PRACTICE AND SHALL BE ADHERED TO WHERENET PRACTICALS BEST PRACTICE AND SHALL BE ADHERED TO WHERENET PRACTICALS BEST PRACTICE AND SHALL BE ADHERED TO YHERENET PRACTICALS BEST PRACTICE AND SHALL BE ADHERED TO WHERENET PRACTICALS BEST PRACTICE AND SHALL BE ADHERED TO STANDARDS. ALL MATERIAL SHALL BE COMPLIANT TO THE APPROPRIATE BS / WIS STANDARDS. ALL MATERIAL FOR USE IN CONTAMINATED GROUND SHALL BE A THAMES WATER APPROVEDED BARRIER PIPE SYSTEM WHICH INCLUDES COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES. COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES. COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES. COMPATIBLE PI		SHALL BE INCLUDED TO THE RELEVANT BS / WIS STANDARDS. ANGEMENT OF VALVES AND FITTINGS SHALL SUIT THE STREET CONSTRUCTION DETAIL: TY DUCTLE IFRON SUBFACE BOX 430 x 280 CLEAR OPENING WITH VATER LOGO AND APPROPRIATE BADGE E.G WO OR FH. LEAR OPENING RECYCLED POLYMER CHAMBER SECTIONS. ACE BOX SHALL BE POSITIONED SUCH THAT WHEN A KEY AND FARE FITTED TO THE HYDRANT, EQUAL CLEARANCES EXIST HE SIDES OF THE BOX. CKFILL WELL COMPACTED MINIMUM THICKNESS 300 BELOW LE SUEP PEA SHINGLE BED AND SURROUND TO PIPE MINIMUM 150 E. REF DRAWING DS-DRG-WN-02020. EMENT LAYER. K ED JOINT BOLT SETS SHALL CONFORM TO WIS-4-52-03. ANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE B. E SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND E SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND E NOTES WING DETAILS BEET PRACTION OF THE CONTENT ON THIS REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES LIAND. NALL SHALL BE CONTINUED FILE ONTENT ON THIS REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES LIAND. NALL SHALL BE CONTINUED FILE CONTENT ON THIS REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES UNNO DETAILS BEET PPEATOR OF THE CONTENT ON THIS REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES LIAND. NET APPROVED BARRIER PIPE SYSTEM WHICH INCLUDES SHALL BE TYPE PI AS DEFINED IN CLAUSE 5.14 OF EDTION. THIS PROTECTION SHALL COVER THE FLANGE ADAPTORS LINDS SHALL BE TORED TO THE APPROPRIATE BOXES. E NOTES E DESCRIPTION OR BURRED FLANGE JOINTS. FLANGE ADAPATORS LIAND SHALL DE CONFLORMINATED GROUND SHALL BE A DESCRIPTION THE PLANGE ADAPTORS LINDS SHALL BE TYPE PI AS DEFINED IN CLAUSE 5.14 OF EDTION. THIS PROTECTION SHALL COVER THE FLANGE ADAPATORS LIAND SHALL BE TORED TO AND METER BOXES. E DESCRIPTION SUM TROTECTION AND METER BOXES. E DESCRIPTION ON SUM RECELLED COURT, VASTER APPROVED BARRIER PIPE SYSTEM WHICH INCLUDES LEP PIETTINGS. JOINT PROTECTION AND METER BOXES. E DESCRIPTION DEVELOPER SERVICES (@THAMESWATER.COURT, VASTER APPROVED SERVICES (@THAMESWATER.COURT, VASTER APPROVED SERVICES (@THAMESWATER.COURT, VASTER APPROVED SER
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2.3 THE SURFACE BOX SHALL BE POSITIONED SUCH THAT WHEN A KEY AND STANDPIPE ARE PITTED TO THE HYDRANT, EQUAL CLEARANCES EXIST AROUND THE SIDES OF THE BOX. 2.4 TYPE 1 BACKFILL WELL COMPACTED MINIMUM THICKNESS 300 BELOW CHAMBER. 2.5 10mm SINGLE SIZE PEA SHINGLE BED AND SURROUND TO PIPE MINIMUM 150 ABOVE PIPE - REF DRAWING DS-DRG-WN-02020. 2.6 REINSTATEMENT LAYER. 3.0 PIPEWORK 3.1 ALL FLANGED JOINT BOLT SETS SHALL CONFORM TO WIS-4-52-03. 3.2 THE HYDRANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE TRULY PLUMB. 3.3 CONCRETE SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND SLUICE TEES. GUIDANCE NOTES A THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS SLUICE TEES. A THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS SLUICE TEES. A THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS SLUICE TEES. A THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS SLUICE TEES. A THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS SLUICE TEES. A THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS DRAWING REQUIRES WINTTEN CONSENT FROM THE DEVELOPER SERVICES THERVAL PROTECTION THIS PROTECTION SHALL COVER THE FLANGE AND ALL NUTS, BOTT SAND THREADS. THE PIPE MATERIAL FOR USE IN CONTAMINATED GROUND SHALL BE A THAMES WHER VAPERADE DARRING PIPE SYSTEM WHICH INCLUDES COMPATIBLE PIPE FITTINGS. JOINT PROTECTION AND METER BOXES. THE PIPE MATERIAL FOR USE IN CONTAMINATED GROUND SHALL BE A THAMES WHER PAPEROPE DARRING PIPE SYSTEM WHICH INCLUDES COMPATIBLE PIPE FITTINGS. JOINT PROTECTION AND METER BOXES. A F	1 THE SUPPACE BOX SHALL BE POSITIONED SUCH THAT WHEN A KEY AND STANDARD THE ARE FITTE TO THE HYDRANT, EQUAL CLEARANCES EXIST ADUNT HALE DIES OF THE BOX 12 THE HYDRANE ISSUES OF THE BOX 23 FERINGENE ISSUES OF THE BOX 24 TYPE I BACKFLL WELL COMPACTED MINIMUM THICKNESS 300 BELOW 24 TYPE I BACKFLL WELL COMPACTED MINIMUM THICKNESS 300 BELOW 25 GEINSTATEMENT LAYER. 30 PIPEWORE 31 ALL FLANGED JOINT DOLT SETS SHALL CONFORM TO WIS-4-52-03. 32 THE HYDRANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE THILLY FLUMB. 33 CONCRETE SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND SULVET TEES. 40 THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE DE ROGATION OF THE CONTENT ON THE DIAWING RECTAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE DE ROGATION OF THE CONTENT ON THE DIAWING RECTAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE DE ROGATION OF THE CONTENT ON THE DIAWING RECTAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE DE ROGATION OF THE CONTENT ON THE DIAWING RECTAILS BEST PRACTICE AND SHALL COVENT THE SAVID SULVET TEES ALL MATERIAL FOR USE IN CONTAINING TE DIALLSE AT 0. 4. THIS DRAWING DETAIL BE COMPLIANT TO THE APPROPRIATE BS / WIS STANDARDS. 4. THE PRE MATERIAL BE COMPLIANT TO THE APPROPRIATE BS / WIS STANDARDS. 4. THE PRE MATERIAL BE COMPLIANT TO THE APPROPRIATE BS / WIS STANDARDS. 4. THE PRE MATERIAL BE COMPLIANT TO THE APPROPRIATE BLOCK SAVID CONTENT FOR THE INCLUMES STAND THERED. 4. THIS DRAWING SHALL BE THE PRE NOT BERMICE 4. ADDE MORE SHALL BE ADHERED PRE SERVICES COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES. 4. THE PIPE MATERIAL PROVE TO USE IN CONTAINING TE DEVELOPER SERVICES COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES. THE PIPE MATERIAL PROVE DIAL BE A THAMES WATER COURT, VARIENT PROTECTION AND METER BOXES. THE PIPE MATERIAL PROVE DIAL BARKE	ACE BOX SHALL BE POSITIONED SUCH THAT WHEN A KEY AND E ARE FITTED TO THE HYDORANT, EQUAL CLEARANCES EXIST MESIDES OF THE BOX. CKFILL WELL COMPACTED MINIMUM THICKNESS 300 BELOW IS ESIZE PEA SHINGLE BED AND SURROUND TO PIPE MINIMUM 166 WE RET LAYER. ME END TAYER. ME END JOINT BOLT SETS SHALL CONFORM TO WIS-4-52-43. ANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE ESUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND ES. E MOTES WING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO R FRACTICABLE. DEROGATION OF THE CONTENT ON THIS REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES LEFAC. INS SHALL BE COMPLIANT TO THE APPROPRIATE BS / WIS RALS SHALL BE CONTAMINATED GROUND SHALL BE A DATORS MINTS SHALL BE CONTAMINATED GROUND SHALL BE A DETERION THIS PROTECTION SHALL COVER THE FLANGE ADATORS MINTS SHALL BE CONTAMINATED GROUND SHALL BE A DETERIAL FOR USE IN CONTAMINATED GROUND SHALL BE A DATER APPROVED BARRIER PIPE SYSTEM WHICH INCLUDES LEFA PAPROVED BARRIER PIPE SYSTEM WHICH INCLUDES LEFT APPROVED BARRIER PIPE SYSTEM WHICH INCLIDES LEFT APPROVED BA
CHAMBER. 2.5 10mm SINGLE SIZE PEA SHINGLE BED AND SURROUND TO PIPE MINIMUM 15/ ABOVE PIPE - REF DRAWING DS-DRG-WN-02020. 2.6 REINSTATEMENT LAYER. 3.1 ALL FLANGED JOINT BOLT SETS SHALL CONFORM TO WIS-4-52-03. 3.2 THE HYDRANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE TRULY PLUMB. 3.3 CONCRETE SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND SLUICE TEES. CUIDANCE NOTES A. THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREYER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS DRAWING REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES TECHNICAL LEAD. A. THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREYER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS DRAWING REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES TECHNICAL LEAD. A. THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREYER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS DRAWING REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES TECHNICAL LEAD. A. 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SIMOLE SUPE PRE AREA PHINOLE BED AND SURROUND TO PIPE MINIMUM 18 ABOVE PIPE - REF DRAWING DS-ORG-WN-62020. 24. REINSTATEMENT LAYER. 30. PIPEWORK 31. ALL FLANGED JOINT BOLT SETS SHALL CONFORM TO WIS-452-03. 32. THE HYDRAMT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE TRULY PLUMB. 33. GOORGETE SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND SUUCE TEES. CUIDANCE NOTES A. THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS DEVELOPER SERVICE TECHNICAL LEAD. A. THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS DEVELOPER SERVICE TECHNICAL LEAD. A. THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS DEVELOPER SERVICE TECHNICAL LEAD. A. THIS DRAWING SHALL BE COMPLIANT TO THE APPROPRIATE BS / WIS STANDARDS. C. 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3.3 PIPEWORK: 3.1 ALL FLANGED JOINT BOLT SETS SHALL CONFORM TO WIS-4-52-03. 3.2 THE HYDRANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE TRULY PLUMB. 3.3 CONCRETE SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND SUUCE TEES. 4. THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS DRAWING REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES 10 CALL MATERIALS SHALL BE COMPLIANT TO THE APPROPRIATE BS / WIS STANDARDS. C. EXTERNAL PROTECTION FOR BURIED FLANGE JOINTS, FLANGE ADAPTORS AND COUPLINGS SHALL BE COMPLIANT TO THE APPROPRIATE BS / WIS STANDARDS. C. EXTERNAL PROTECTION FOR BURIED FLANGE JOINTS, FLANGE ADAPTORS AND COUPLINGS SHALL BE TYPE PL AS DEFINED IN CLAUSE 5.14 OF OF CESNI GH DITION, THIS PROTECTION SHALL COVER THE FLANGE AND ALL NUTS, BOLTS AND THREADS. THE PIPE MATERIAL FOR USE IN CONTAMINATED GROUND SHALL BEA THAMES WATER APPROVED BARRER PIPE SYSTEM WHICH INCLUDES COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES.	3.9 PIPEWORK! 3.1 ALL FLANGED JOINT BOLT SETS SHALL CONFORM TO WIS-452-03. 3.2 THEH YDRANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE. 3.3 CONCRETE SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND SUICE TEES. SUIDENCE NOTES! A THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT TO NTHIS DEVELOPER SERVICE. A THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT TO NTHIS DEVELOPER SERVICE. 4. MARTERIALS SHALL BE COMPLIANT TO THE APPROPRIATE BS / WIS 5. ALL DATE TRADE CONSENT TO THE ADART CONSENT THE FLANGE ADARTORS CONFORM THE CONSENT THE FLANGE ADART OR UNIVERS, BOINTS, BOLTS AND THREADS. 6. THE PORE DETION THIS PROFECTION SHALL COVER THE FLANGE ADARTORS COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES. INTERPEAL FOR USE IN OWNTAMINATED GROUND SHALL BEAD ALL DECOMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES. INTERPEAL FOR USE IN OWNTAMINATED GROUND SHALL BEAD ATTER DEVELOPER SERVICES. INTERPEAL FOR USE IN OWNTAMINATED GROUND SHALL BEAD ADARTORS COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES. INTERPEAL FOR USE IN OWNTAMINATED GROUND SHALL BEAD ADARTORS COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES. INTERPEAL FOR USE IN OWNTARY OWNTAR	
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CUSTOMER EXPERIENCE, CLEARWATER COURT, VASTERN ROAD, READING RG1 8DB TEL: 0800 009 3921 EMAIL: DEVELOPER.SERVICES @THAMESWATER.CO.UK SSUE DATE: 01 SEPT 2023 REVIEW DATE: 20 JAN 2026 PROJECT GROUP: DEVELOPER SERVICES DATA OWNER: ASSET DEVELOPMENT WATER NETWORK: STANDARD DRAWINGS DS TECHNICAL LEAD: ANDY BELLIS DRAWING TITLE: STANDARD TEE CONNECTION	DRAWING No.: SCALE: SHEET SIZE: REV:	SCALE: SHEET SIZE: REV:
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