# WATER DISTRIBUTION SPECIFICATIONS

.1 GENERAL

THIS ITEM SHALL CONSIST OF THE LABOR EQUIPMENT, AND MATERIAL REQUIRED FOR THE COMPLETE INSTRUCTION OF THE WATER MAINS AND SERVICES WHICH SHALL INCLUDE EXCAVATION, BACKFILLING, PIPE, LYES, TEES, HYDRANTS, ELBOWS, REDUCERS, AND ALL OTHER APPURTEINANCES NECESSARY FOR A COMPLETE TER DISTINBUTION SYSTEM AS INDICATED ON THE ACCEPTED DRAWING.

#### 1.2 WATER MAIN PIPE MATERIALS: PVC PIPE

SOLVING, CAROREE, PAD, DANTID ARE SHALL BE OT THE DAMETER NOLVED TO THE PANAL IN PAPE SHALL BENTALTED OF RESERVE CLASS 300 PAPENDENT BETH DANIEN BENTAL PRESENTATION OF SOLVED SET RESISTANT WITH CAST IRON COMMENTS OF WITH AN UNRO NAMET BALL, BED, BARE COPPER DA NIMINI TROECH WIND FOLSS THAN 60 NON COMMENTS AND SPECIAL TEACHT TO BE CONTINUOD. SET RESISTANT AND THE STINK 40 NON COMMENTS AND SPECIAL TEACHT TO BE CONTINUOD. SET RESISTANT AND AND THE STINK 40 NON COMMENTS AND SPECIAL TEACHT TO BE CONTINUOD. SET RESISTANT AND AND AND THE STINK AND AND THE STINK IN SPECIAL TEACHT AND AND AND THE STINK AND

1.3 FTTINGS DUCTLES CONSTRUCTION OF THE CONST NUTS AND

MEGALUG RETAINER GLANDS OR AN APPROVED EQUAL SHALL BE USED ON ALL FITTINGS, VERTICAL BENDS ANI AS SHOWN ON THE PLANS. ALL FITTINGS AND VALVES SHALL BE WRAPPED IN 8 MIL POLYETHYLENE.

1.4 ALT WANT RESIDENT BEAT. DRTW ANK SHALL BE KINN OF SORJE STANDARD GATE VALVES WITH MECHANICAL JOINTS OF SIZES AS REQUERD ON THE FANSK ALL MAYES SHALL BE OF CAST OR DRTHE E KINNEGOV, FAMILLEI BASS SEATS, NON-RISHIN GETM, MERS SORVE, ON DEUTIC KONSTRUCTION WITH OF MINISTER HEASL, ALL VALVES SHALL HAVE STANLESS STELE BOLTS MONJITS, ALL VALVES TO BE COLIPPED WITH A VALVE BOX FOR A MANIMAU OF SO OF COVER MATERN. THE GATE VALVES SHALL DENLET AND BE DESIDER OF OR MORNING PRESSURE OF 200 OF COVER MATERN. THE GATE VALVES SHALL DENLET AND BE DESIDER OF OR MORNING PRESSURE OF 200

EACH VALVE SHALL HAVE MAKER'S NAME, PRESSURE RATING, AND YEAR IN WHICH MANUFACTURED CAST C THE BOOK, PRIOR TO SHIPHENT FROM THE FACTORY, EACH VALVE SHALL BE TESTED BY HYDROGTATIC PRESSUR EQUILIA TO TWOE'N HE SFECYFIE DVARIAGE PRESSURE: BURIED MAYES BAULE BINSTALLES WITH A VALVE BOX ALL GATE VALVES SHALL BE AS APPROVED BY THE HINESBURD WATER DEPARTMENT

TO VILLE BOXES AND DEENTIALED ON ALL BIRED VALVES. THE BOXES SHALL BE CAST IRON WITH A A MANUAL THE AND CAST IRON WITH A A MANUAL THE AND CAST CAST IRON WITH A A MANUAL THE AND CAST CAST IRON WITH A A MANUAL THE AND CAST IRON WITH A CAST IRON WITH A A MANUAL THE AND THE AND CAST IRON WITH A A MANUAL THE AND CAST IRON WITH A A MANUAL THE AND THE AND CAST IRON WITH A A MANUAL THE AND THE AND CAST IRON WITH A A MANUAL THE AND CAST IRON WITH A A MA

COVERS SHALL BE CLOSE FITTING AND DIRT-TIGHT WITH THE TOP OF THE COVER FLUSH WITH THE TOP OF THE RIM BOX. COVERS SHALL BE MARKED "WATER" WITH AN ARROW INDICATING THE DIRECTION OF OPENING.

VALVE BOXES SHALL BE FIVE INCH BY SIX FOOT (5" X 6') NEW ENGLAND STYLE SLIDE-TYPE.

1.6 FIRE HYDRANTS: NEW HYDRANTS SHALL MEET THE REQUIREMENTS OF AWWA C502 AND THE TOWN OF HINEBBURG. L HYDRANTS ARE TO BE 3-WAY, 5" MINIMUM DIAMETER AND LIMITED TO THE FOLLOWING MAKES: R OR KENNEDY MUI SHOE N 53 A,24015 I.M.P. WITH 6' MINIMUM BURY.

MAIN VALVE OPENING:	5 1/4 INCHES
NOZZLE ARRANGEMENT:	TWO 2 1/2 INCH HOSE NOZZLES WITH (6) THREADS PE
	INCH. ONE 4 1/2 INCH PUMPER NOZZLE WITH (4)
	THREADS PER INCH.
INLET CONNECTION:	6 INCH MECHANICAL JOINT
OPERATING NUT:	STANDARD 1 INCH PENTAGON
DIRECTION OF OPENING:	COUNTERCLOCKWISE
COLOR	ENAMELED HYDRANT RED BODY

DEPTH OF BURY: HYDRANT SHALL BE INSTALLED TO THE MANUFACTURER'S INSTRUCTIONS WITH NOZZLES ABOUT 15"-21" ABOVE FINISH GRADE. WINTER MARKING FLAGS WITH SPRING SUPPORTS SHALL BE PROVIDED ON ALL NEW HYDRANTS.

1.7 HORANT BRANCHES INFRANT ASSEMILES SHALL CONSIST OF A HYDRANT TEE, SIX INCH (9') MECHANICAL JOINT GATE VALVE CONCRETE ON AWING - SOGREY, SIX INCH (9') CLASS 52 DUCTLE IRON PIPE WITH A CEMENT-LINING, AND THE FIRE HYDRANT.

1.8 WATER SERVICE CONNECTION

A. GENERAL REQUIREMENTS

THE CONTRACTOR SHALL IN STALL THREE FOURTHES INCH (347) TO TWO INCH (27) COPPER TYPE IS SERVICES 343 BIOLATED ON THE CONTRACT GROWINGS OR AS DIRECTED BY THE SERVICES THAL CONSEST OF A CORPORATION, CLIRBISTOP, COPPER TUBING, AND A CURB BOX WITH SERVICE ROL. CORPORATION SHALL BE ATTACHED TO THE DUICTLE IRON ON PE BY MEMOS FOR A DIRECT TAY

#### B. CORPORATIONS

CORPORATIONS SHALL BE WATERVORKS BRASS AND MAN.FACTIBED IN ACCORDANCE WITH AWA CORPORATIONS SHALL HAVE MELLER THEORY ADOPTED AS ANY ADVISED IN ACCORDANCE WITH AWA CORPORATIONS SHALL HAVE USED FOR ALL TAPE ALTRANS OUTLET SHALL BE OF THE SAME SZE CORPORATIONS SHALL BE USED FOR ALL TAPE ALRORET THAN THREEFOURTH SHALL BE OF THE SAME SZE

CORPORATIONS SHALL BE DIRECTLY TAPPED INTO DUCTLE IRON PIPE LARGER THAN TWO INCHES (2°). DUMETER. IN NO OTHER INSTANCE, EXCEPT WHEN A TAPPING SLEEVE AND VLYE IS USED, BALLA TA PABE AND A CORPORATION INSTALLED WITHOUT THE USE OF A TAPPING SADDLE. CORPORATIONS SHALL BE MUEL OR EQUIL.

### C. CURB STOPS

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COPPER TUBING SHALL BY TYPE 'K', SOFT-TEMPER, CONFORMING TO ASTM B88. THE NAME OR TRADEMARK OF THE MANUFACTURER AND TYPE SHALL BE STAMPED AT REGULAR INTERVALS ALONG THE PIPE. WATER SERVICES 2' OR OREATER SHALL BE DUTCHE IRON CLASS SIZ PIPE.

### E. CURB BOXES AND RODS

A TCE DRAWINGS\ 2022\ 534.Milot.HCILHinethum\19054.8 dwg. 8/10/2022 1:18:16 PM

ERIE STYLE CURB BOXES SHALL BE OF THE SLIDING ADJUSTABLE-TYPE CAPABLE OF ADJUSTNG FROM FIVE FEE TO SKY FEET (5 - 6), THE BASE OF THE BOX SHALL BE ARCH-TYPE SO AS TO PREVENT THE BOX FROM RESTING RECEITLY OF THE CONSTROL THE ADJUST ADJ OM FIVE FEET

STARLESS STELLS STATIONARY GOOD STREED TO THE KYC OF THE CURB STOP SHALL BE THRITY INCHES (XY) IN LENGTH FOR THREE-POURTHS AND ONE INCH (MY HAD TO LOBE STOP SHALL BE THRITY INCHES (XY) IN LENGTH FOR THREE-POURTHS AND ONE INCH (MY HAD TO LOBE STOP SHALL BE THRITY INCHES) (XY) IN LANGER CURBETORY. THE COVER OF THE SOU SHALL BE BY MILLIE WITH THE THON ALE COVER. THE WORD WATER'S WALL BE INSCREED ON THE COVER OF THE SOU. BOTH THE COVER AND THE UPPER SECTION OF THE SOU SHALL BE RALE TO BE CONTENT OF THE SOUL STOP THE MOUST AND THE UPPER SECTION OF THE SOU

## E HOUSE SERVICES CONSTRUCTION METHODS

In contract definition that includes the control of the writer main and will install for each lot all provides basis convolutions from each will be added to be

TYPICAL BENDS

NOTE: PLACE

TYPICAL TEES, DEADENDS & CAPS

THRUST BLOCK DETAILS

END AREA BEARING AGAINST



C. FIELD TESTING

D. DISINFECTION:

STED. ALL WATER REQU ENCE OF THE ENGINEER.

1.9 CONSTRUCTION METHODS

A. INSPECTION AND TESTING

INSTALLATION

ALL PIPE AND FITTINGS SHALL BE INSPECTED AND TESTED IN ACCORDANCE WITH THE MANUFACTURES SPECIFICATIONS AND THE APOREMENTIONED AWWA SPECIFICATIONS. THE CONTRACTOR SHALL FURNISH FI APPROVAL CERTIFICATION FROM THE PIEM ANUFACTURES THAT ALL TESTS HAVE BEEN FREGORDED WITH ATTISFACTORY RESULTS. PIPE SHALL NOT BE INSTALLED WITHOUT THE ENGINEER'S OR TOWN OF HINESBUI PRAVTINENTS APPROVAL.

PIPES, FITTINGS, AND ACCESSORIES SHALL BE CAREFULLY HANDLED TO AVOID DAMAGE. PRIOR TO THE DATE OF SPTANCE OF THE PROJECT WORK BY THE OWNER, THE CONTRACTOR SHALL REPLACE ANY THEY PIPE OR SSORY FOUND TO BE DEFECTIVE AT AT THE INCLUDING ATTER INSTALLATOR. AT NO EXPENSE TO THE OWNER INSTALLATION AND TESTING SHALL BE DONE IN ACCORDANCE WITH AWWA STANDARD C-600 AND ANSI IPEATORN 24.11

ALL PIPES SHOWING CRACKS SHALL BE REJECTED. IF CRACKS OCCUR IN THE PIPE, THE CONTRACTOR MAY, AT HIS OWIN SKENSEE AND WITH THE APPROVAL OF THE BOMREER, CUIT OF THE CRACKED PORTIONS AT A POINT AT LEAST TWUELY IN-OKES (12) FROM THE WASEL LIMITS OF THE ACCIVA ANU SET HIS SOUND PORTION OF THE PIPE, ALL PIPES AND FITTINGS SHALL BE CLARED OF ALL FORGIN MATTER AND DEBRIS PROR TO INSTALLATION AND SHALL BE KEYT CLEM LIMIT. THE TWO FACEFRACE BY THE OWNER.

AT ALL TIMES, WHEN THE PRE LAYNO IS NOT ACTULLY IN REQORDEST, THE OPEN DIDG OF THE PIPE SHALL BE LOSED BY TIMEORAPY WIXTERTION F RUISD OR RO CHER APPROVED MARKAL F WATER IS IN THE TRENCH HIREN WORK IS ESSUINDE. THE FULD SHALL DID TO REMOVED DITAL LOWDRER OF WHEN ENTITISTING THE PIPE HAS PASSED. THE PIPE SHALL BE INSTALLED IN TRENCHES AND AT THE LINE AND GRADE SHOWN ON THE CONTRACT DRAWNOG.

ANY DEFLECTION JOINTS SHALL BE WITHIN THE LIMITS SPECIFIED BY THE MANUFACTUREE. ALL PPING AND APPURTENNICES CONNECTED TO THE EQUIPMENT SHALL BE SUPPORTED SO THAT NO STRAIN WILL BE MPOSED ON THE EQUIPMENT. THE EQUIPMENT MURFACTURERS SPECIFICATION SINCLIDE THAT PIPING LOADS ARE NOT TO BE TRANSFERRED, THE CONTRACTOR SHALL SUBMIT CERTIFICATION OF COMPLIANCE.

CONCRETE THRUST BLOCKS SHALL BE INSTALLED ON ALL PLUSS, TEES, AND BENOS DEFLECTING 11 OR MORE: CARE BALL BE TAKEN TO BUSINET THAT CONCRETE MILL DATE COME IN CONTACT WITH FLANG OR BOLTS. THE REQUIRED AREA OF THRUST BLOCKS ARE INDICATED ON THE PLANS OR SHALL BE AS APP THE ENDINEER.

WHENEVER SEWESS CROSS UNDER WATER MANN, THE WATER MAN SHALL BE LAD AT SUCH AN ELEV-THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST IS INCRESS ABOVE THE TOP OF THE SEVER. THIS VERTI SEVERATION SHALL BE WAINTAKETO FOR THAT PORTION OF THE WATERMAIN LOCATED WITHIN TEN FEET (107) HORIZONTALLY OF ANY SEVER IT CROSSES.

ALL TRENCHING SAFETY STANDARDS SHALL BE IN CONFORMANCE WITH ALL APPLICABLE STATE AND FEDERAL GUIDELINES AND AS SPECIFIED ON THE PLANS.

THERE SHALL BE NO PHYSICAL CONNECTION BETWEEN THE DISTRIBUTION SYSTEM AND ANY PRES, PUMPS, HYDRAHTS, OR TANKS WHICH ARE SUPPLED OR MAY BE SUPPLED WITH A WATER THAT IS, OR MAY BE, SOMATCH, OR TANKS WHICH ARE SUPPLED TO REAL OF PAGE REQUEST LOWID, THE CONTRACTOR SPALL, FUNDIN NO INSTALL, ALL DECESSIONY ADAPTERS,

THE CONTRACTOR SHALL, AT ALL TMES, KEEP THE TRENCHES ENTIRELY FREE OF WATER UNTIL ALL WORK IS FINSHED AND READY FOR BACKFLING. AFTER THE VARIOUS PIPELINES HAVE BEEN INSTALLED, THE TRENCHES AND OTHER AREAS TO BE FILLED SHALLE BACKFLIND TO SUBGRAGE WITH, WHERENER POSSIBLE, MATERIAL EXANTED FROM THE TRENCH. NO BACKFLING WILL BE ALLOWED UNTIL ANY CONCRETE MASORRY HAS BET SUFFICIENTLY, AS DETEMMED BY THE BURGHER.

BACKFILL FOR ALL PIPELINES SHALL BE PLACED IN SIX INCH (9') LAYERS, EACH LAYER BEING THOROUGHLY COMPACTED TO NOT LESS THAN 45 FRECHT OF MAXAMUM DRY DENSITY AS DETERMINED BY THE AASHTG-T-45 TRADARDB PROCTOR, PARTICULAR FRECATIONES SHALL BE TAKEN IN THE PLACEMENT AND COMPACTION OF THE BACKFILL MATERIAL IN ORDER NOT TO DAMARE THE PIPE OR STRUCTIONE. THE BACKFILL MANUAL BE BROUGHT UP PRIVIL, ALL WHER MAND SHALL BE BROTALIED WITH A MINMAM COVER DEPTH OF BX (8).

SURPLUS EXCAVATED MATERIALS NOT USED FOR BACKFILL SHALL BE DISPOSED OF IN A MANNER SATISFACTORY TO THE ENCINEER. ALL SURPLUS MATERIAL OR SPOIL SHALL BE REMOVED PROMPTLY AND DISPOSED OF SO AS NOT TO BE OBLECTIONABLE TO ABUTERS OR TO THE GENERAL PUBLC.

THE CONTRACTOR SHALL PROVIDE A STABLE, TEMPORAPY PVC MARKER APPROVED BY THE ENGINEER AT ALL GATE VALVES, CURB STOPS, AND AT THE END OF WATERLINES TO A POINT TVENTY FOUR INCHES (24") ABOVE FINIS GRADE. THE MARKER SHALL BE SATED SECURELY INTO THE GROUND.

EXCEPT AS OTHERWISE DIRECTED, ALL WATER MAN'S SHALL BE TESTED, WATER MAN'S LAD IN EXCAVATION OF ECODE IN CONCRETE SHALL BE TESTED PRIOR TO BADOFLIAIN CAT HE FUNCTION OF CONCRETE, AND ANY EXPOSED OF AN ADVALUE AND ANY EXPOSED OF AN ADVALUE AND EXCENSION OF ANY ADVALUES OF ANY ADVALUES AND ANY EXPOSED TESTED. ALL ANY EXCENSION FOUNDER'S AND ADVALUES OF ANY ADVALUES ANY EXPOSED TESTED. ALL ANY EXCENSION FOUNDER'S AND ADVALUES OF ANY ADVALUES ANY EXPOSED TESTED. ALL ANY ENCOUNDED ANY ADVALUES OF ANY ADVALUES ANY ADVAL

FOR THE PRESSURE TEST. THE CONTRACTOR SHALL DEVELOP AND MANTAN 150% OF THE WORKNO PRESS SO POLIDAD PER BOLMER INCL WINCHEVERS IS OREATER, FOR TWO HOURS, FALLINE TO HOLD THE DESIGNA SHEEF FOR THE "WORKNOT REPROD CONTINUES A FALLINE OF THE SECTION TESTES" THE ELEMANT EXE SHEET HE COUNTINY OF WATER REQUERD TO MANTAN THE TEST PRESSURE. LEAVAGE SHALL NOT EXCEED WITTY OWN IN:

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CHLORINATION OF THE WATER MAIN SHALL BE CONDUCTED ONLY AFTER THE MAIN HAS BEEN FLUSHED AND A CLEAR STREAM IS OBTAINED AS DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS, AND TOOLS NECESSARY TO DISINFECT THE PIPE AND APPURTENANCES IN ACCORDANCE WITH THE AWWA STANDARD FOR DISINFECTING WATERMAINS, C451 WITH THE EXCEPTION OF THE TRALET METHOD.

TERIAL FOR BACKFILLING SHALL BE FREE OF ROOTS, STUMPS, AND FROST. MATERIALS USED FOR TRENCHES SHALL BE FREE OF STONES WEIGHNIG OVER 30 POUNDS. NO STONES MEASURING OVER ONE HE LONGEST DUMENSION SHALL BE PLACED WITHIN ONE FOOT (1) OT THE PIPERUIS BEING BACKFILLED.

SPRINKLER SYSTEM PIPI

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(2) 34" Ø THREAD

NOTES: 1. REFER TO MECHANICAL PLANS FOR INTERIOR POTABLE WATER AND SPRINKLER PIPING

WATER SERVICE ENTRANCE DETAIL

NGS AND VALVES SHALL BE WRAPPED IN 8 ML POLYETHYLENE FI 3 A MINIMUM OF 12" OVERLAP AT ALL JOINTS. THE POLYETHYLENE HE RITTING OR VALVE AND EXTERNO A MINIMUM OF 24" ONTO THE MENE PART AND AND PART OF THE PERSON OF THE EVEN

SIDE

TAPPING SLEEVE

BOLTS AND NUTS FOR FLANGED JOINTS OF TAPPING SLEEVES SHALL BE OF AISC TYPE 304 STAINLESS STEE

ALL EXTERIOR BOLTS AND NUTS FOR TAPPING SLEEVES OR VALVES SHALL BE STAINLESS STEEL.

(呂)

TAPPING VALVE

COMPACTED CRUSHED

TAPPING VALVE AND SLEEVE DETAIL

TAPPING SLEEVES SHALL BE OF THE SPLIT SLEEVE DESIGN CONSTRUCTED WITH TWO SOLID HALF-SLEEVES BOLTED TOGETHER SLEEVES SHALL BE CONSTRUCTED OF DUCTLE IRON, SHALL HAVE A WORKING PRESSURE OF AT LEAST 200 PSI, AND SHALL HAVE MECHANICAL JOINT ENDS AND SDUE CASKIET SEALS.

ALL IRON BODY TAPPING SLEEVES SHALL BE PROVIDED WITH A 34" NPT TEST PLUG, OR OTHER PROVISIONS MUST BE MADE FOR AIR TESTING THE VALVE AND SLEEVE AT MAXIMUM WORKING PRESSURE, PRIOR TO TAPPING.

ALL BOLTS AND NUTS SHALL BE SOUND, CLEAN, AND COATED WITH A RUST RESISTANT-LUBRICANT; THEIR SURFACES SHALL BE FREE OF OBJECTIONABLE PROTRUSIONS THAT WOULD INTERFERE WITH THEIR FIT IN THE MADE-UP MECHANICAL OR FLANGED JOINT. ALL EXTERIOR EXPOSED SURFACES SHALL BE FUSION BOND, EPOXY COATED TO A MINIMUM OF 10 ML. THICKNESS

ALL BOLTS AND NUTS USED WITH ALL PIPE SLEEVES SHALL, UPON FINAL TIGHTENING AND TESTING, BE BRUSH COATED HEAVILY WITH BUILDMASTIC COLD. APRI HD MATERIAL TO THORNUGH Y COVER ALL EXPOSITIO SUBFACES OF THE ROLTS AND NUTS.

TAPPING VALVE SHAEL CONFORM TO ANEXNAME BASE AT STANDARD FOR RESELENT-GEAR ED GATE VALVES FOR WATER AND SERVICE SYSTEM EXCEPT FA MONITED REISIN, VALVES FOR WATER AND SERVICE SYSTEM AND SHALL HAVE A NIMMAM WORKON PRESENTE OF 200 PS. INLET FLAN SHALL BALLES IS CONFORMED TO ANSI SPECIFICATION B16 10 A RAS AWAR OTIOLIZ. 10, AND OLITLET CONNECTIONS SHALL BE STANDARDIZED MICHANICAL, JOINTS.

MECHANICAL JOINTS. BUILED TAPPING VALVES SHALL BE PROVIDED WITH A 2' SCLAREE WRENCH NUT AND SHALL BE INSTALLED WITH A CAST BYON VALVE BOX A REGULIRED TO ALLOW FORTH ACCESS TO THE VALUE DEPENDANCE WITH A LL TIBES THE AND A STATEMENT AND A STATEMENT AND A STATEMENT THE AND A STATEMENT AND A STATEMENT AND A STATEMENT THE AND A STATEMENT AND A STATEMENT AND A STATEMENT THAT THE DEPTH FROM VALVE STEM RESER IN 3' O STATEMENT FROM A STATE STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT NEAR STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STATEMENT AND A STATEMENT STATEMENT AND A STATEMENT AND A STAT

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HEETS

TAPPING SLEEVE ON EXISTING MAIN

PROVIDE THRUST BLOCK

NOTES:

SHUT OFF

METER TO BE OBTAINED FROM MUNICIPAL WATER DEPARTMENT. CONFIRM SIZE WITH ENAL MECHANICAL PLANS

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INSTALL & VER GOOSE NECK LOOP

WATER SERVICE DETAIL

THICK INSULATION BOARD, WHICH IS SUITABLE FOR BURIAL OVER PIPE. IN NO

1111

4" X 8" X 16" SOLID CONCRETE BLOCK

LANDS OF

VT Route 116

HINESBURG CENTER, LLC

WATER DETAILS &

**SPECIFICATIONS** 

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10054

NDS/RD

AS NOTEI

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Hinesburg, VT

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LEDGE PAYMEN

ALL JOINTS TO BE RESTRAINED WITH

IN ALL INSTANCES, THE HYDRANT DRAIN SHALL BE PLUGGED

ALL MJ GLANDS SHALL BE 'MEGALUG' OR

USE PVC PIPE OR PRESSURE TREATED 2X4 TIMBER

TO MARK LOCATION AND DEPTH OF SERVICE STUB EXTEND FROM PLUG TO 2' ABOVE FINISH GRADE

TO BE APPROVED BY THE ENGINEER AND MUST

SEE WATER TRENCH DETAIL FOR BEDDING

HYDRANT DETAIL

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CONCRETE THRUST BLOCK

BACKFILL WITH EXCAVATED MATERIAL

WATER MAIN

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Date

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ese plans shall only b

Sketch/Concep

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D+2 FEET

TYPICAL WATER TRENCH

3/14/22 ADDED WATER SERVICE ENTRANCE & THRUST BLOCK ND

Act 250 Review Construction Record Drawing

PERSONNEL SHALL BE SHEETED OR SLOPED TO THE ANGLE OF REPOSE

#2 PEA STONE FROM SHELBURNE LIMESTON

MIN 12" VERTICAL SEPARATION BETWEEN BOTTOM OF FOOTING AND TOP OF WATER SERVICE PIPI

AST JOINT TO BE NO CLOSE

THRUST BLOCK END AREA

FITTING 6" 8" 12"

11/2 8 22 /2 2 5

2 4

90° 4 8 17

TEES OR END CAPS 3 6 12

LVES 2 2 2

BASED ON 100 PSI WORKING PRESSURE PLUS 100 PSI SURGE ALLOWANCE AND BEARING CAPACITY OF 2000

SQ FT BEARING AREA

L = SD (SQUARE ROOT OF P) / 133,200

WHITE HILE WITH HILES THIN THE EET SU KURSEL SIGN JF COVER OVER THE CORNE OF HILES BRUCHTED ON THE FUND SHILL BE REPORTED GUARANTE FREEMOND IN SHILLING FOR DIS HURL VIEW CHEVER SU BORATER. HILLING SHETS WITH A TOTAL WOTH OF FOUR FEET (V) OF THING THE REMOVER WHICH EVER SUBCESSION BEALTING SHETS WITH A TOTAL WOTH OF FOUR FEET (V) OF THING THE REMOVER THE CONSTRUCTION OF THE SILLING HILLING SHETS WITH A TOTAL WOTH OF FOUR FEET (V) OF THING THE REMOVER THE CONSTRUCTION OF THE SILLING COMPACTION OVER THE SITHYFOLD WHICH TO PROVIDE TO MANUELE TO THE SHETS SILLING COMPACTION OVER THE SITHYFOLD WHICH TO THE PROVIDE SITH SILLING SILLING SILLING SILLING SILLING COMPACTION OVER THE SITHYFOLD WHICH TO PROVIDE TO MANUELE TO THE SHETS SILLING CHEWROLD COMPANY MULLING MOLOLAN OF EQUIVALENT. IN O CASE SHALL THE WHITE HURSHAWE LESS THAN TORHETE (V) OF COME RET TO GO OF THE PROV

THE WATER MAIN AND APPURTENANCES SHALL BE MAINTAINED IN AN UNCONTAMINATED ITTON UNTIL FINAL ACCEPTANCE. DISINFECTION SHALL BE REPEATED WHEN AND WHERE REQUIRED AT NO NOS TO THE OWNER UNTIL FINAL ACCEPTANCE BY THE GWNER.

THE METHOD OF DISINFECTION SHALL BE BY THE CONTINUOUS FEED METHOD UNLESS OTHERWISE APPROVED BY THE BROAREE. AFTER FLLMR, I USHING, AND THE JOCITON OF COLORING SOLUTION, THE FREE COLORING THE INFORMER. AFTER FLLMR, I USHING, AND THE JOCITON OF COLORING SOLUTION, THE FREE COLORING THE AFTERDO OF THE TALL THE AFTER AFTER THE POLICY OF THE FLATER WATER NALL PROTING OF THE MANS SHALL NOT HAVE A RESIDUAL OF LESS THAN 19 MALL OF FREE CHLORING. ALL DISINFECTION SHOLDS AFTER AFEROMENT UNDER THE SUFFERNION OF THE REALEW SHALL BE DEBUND. TABLE ONLY AFTER (2) SAMPLES OF WATER FROM THE FLUSHED, DISINFECTED MAIN TAKEN BY THE EN-TABLE ONLY AFTER (2) SAMPLES OF WATER FROM THE FLUSHED, DISINFECTED MAIN TAKEN BY THE EN-