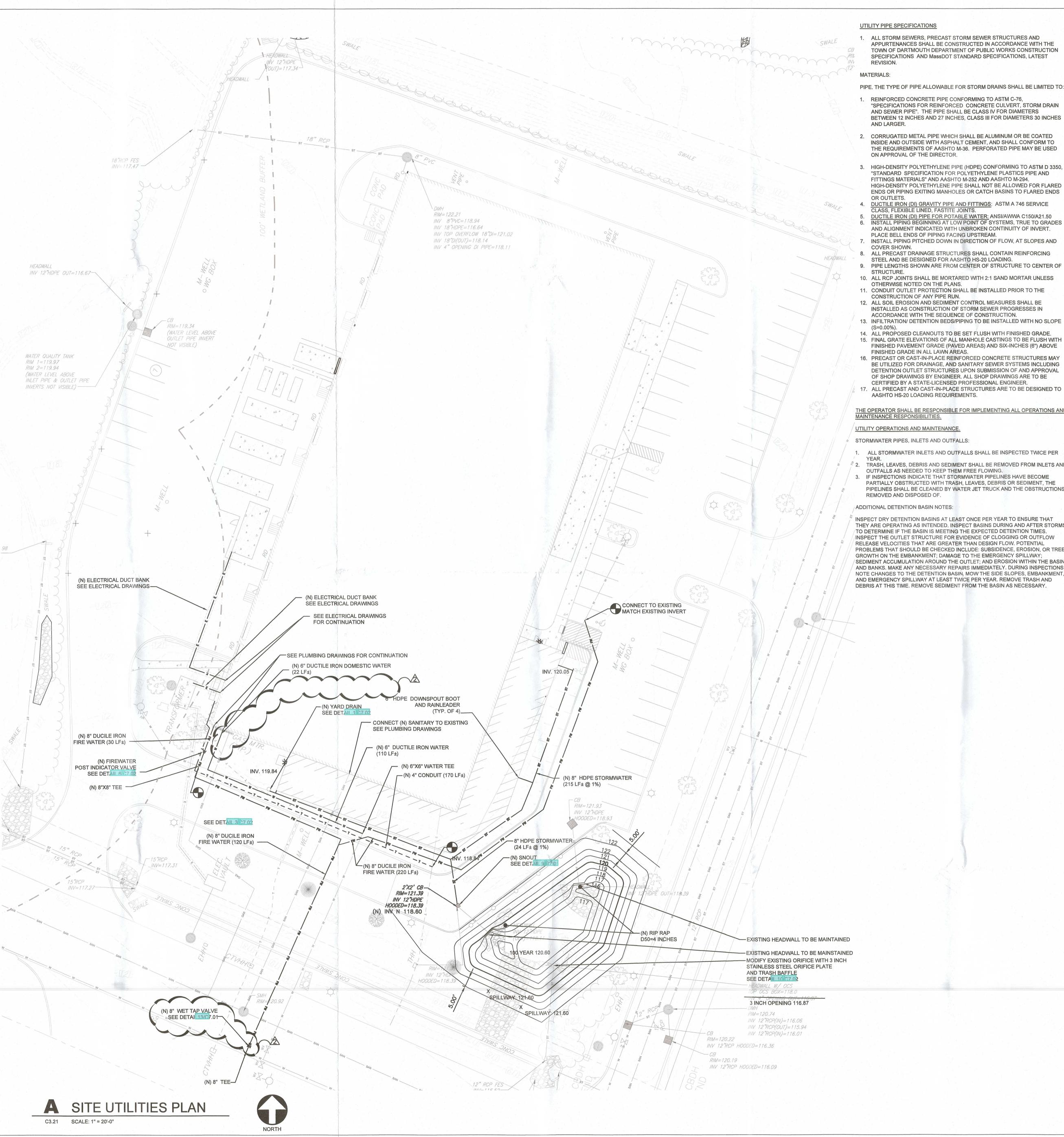
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1/8 4 1 \$	NEW BEDFORD WATER WORKS
SERVICE 34148	APPLICATION FOR SERVICE AND METER
FS.# 34147	NEW BEDFORD 11-29-2021
	eceipt of a copy of the Regulations prescribed in the Ordinance of the
City, for the use of Water, and I	request that the water may be furnished through a
inch D.Z.	meter at 259 Samuel Barnett BVA Documents MA
at such rates as may from time t	o time be established by the City.
	ne bill for the Service pipe laid down for my premises, and to pay
	s given by me or my agent to cut off the supply.
P. 84 2. 8-11.	s given by the or my agent to cut on the supply.
SHOOT PROPERTY	
TELEPH	HONEUR. 908.5540 259 Somuel Bronet BIVOL Borthooth MA
Service laid Building -	Size and kind of pipe
7	corp: / Semul Bornet Blvd si
Turned on	Meter Set
Reading	Location
Building rates	Paid
Cost of Service Chic \$10808	Paid
31-727 Nu- using old F.S. 6"	into a domestic: # 38640

1-3-2022
Pressure Test; Length of main 220'
Number of hydrants: o
Number of gate valves: 1
Number of services:1
Test Pressure:150 PSI
Leakage:0
Company:Winwater / City inspector P.Reynold

9-29-2021: Inspection 12-8-2021: Inspection Contractor: Farland Corp Inspector P. Reynolds

To Whom It May Concern:	Energy
I William Brorden Dir of Feedsters & Engineering, being (Mailing Address)	g
Owner of property located at 259 Sanuel Barnets Blud. Derbrath	
Plot , Lot , hereby agree to allow John Hitt, landing &	Queen Que
(Mailing Address) Deertmouth (Mailing Address) Deertmouth	
signature in securing permit for:	
Sewer/Drain Service Permits Water Service Permits Driveway Installation Permits Sidewalk Installation Permits	
I further agree to conform to, and abide by, All City rules and ask regulations applie the permit (s) being applied for:	cable to
Name Bull James	
259 Samuel Barnet Blad, Darkmonter	
10 /26 /21 617-908-5040 Date Telephone Number	



. ALL STORM SEWERS, PRECAST STORM SEWER STRUCTURES AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF DARTMOUTH DEPARTMENT OF PUBLIC WORKS CONSTRUCTION SPECIFICATIONS AND MassDOT STANDARD SPECIFICATIONS, LATEST

PIPE. THE TYPE OF PIPE ALLOWABLE FOR STORM DRAINS SHALL BE LIMITED TO: . REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76, "SPECIFICATIONS FOR REINFORCED CONCRETE CULVERT, STORM DRAIN

2. CORRUGATED METAL PIPE WHICH SHALL BE ALUMINUM OR BE COATED INSIDE AND OUTSIDE WITH ASPHALT CEMENT, AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-36. PERFORATED PIPE MAY BE USED

. HIGH-DENSITY POLYETHYLENE PIPE (HDPE) CONFORMING TO ASTM D 3350, "STANDARD SPECIFICATION FOR POLYETHYLENE PLASTICS PIPE AND FITTINGS MATERIALS" AND AASHTO M-252 AND AASHTO M-294. HIGH-DENSITY POLYETHYLENE PIPE SHALL NOT BE ALLOWED FOR FLARED ENDS OR PIPING EXITING MANHOLES OR CATCH BASINS TO FLARED ENDS

DUCTILE IRON (DI) GRAVITY PIPE AND FITTINGS: ASTM A 746 SERVICE

DUCTILE IRON (DI) PIPE FOR POTABLE WATER: ANSI/AWWA C150/A21.50 INSTALL PIPING BEGINNING AT LOW POINT OF SYSTEMS, TRUE TO GRADES AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERT. 7. INSTALL PIPING PITCHED DOWN IN DIRECTION OF FLOW, AT SLOPES AND

9. PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF 10. ALL RCP JOINTS SHALL BE MORTARED WITH 2:1 SAND MORTAR UNLESS

11. CONDUIT OUTLET PROTECTION SHALL BE INSTALLED PRIOR TO THE

13. INFILTRATION/ DETENTION BEDS/PIPING TO BE INSTALLED WITH NO SLOPE

15. FINAL GRATE ELEVATIONS OF ALL MANHOLE CASTINGS TO BE FLUSH WITH FINISHED PAVEMENT GRADE (PAVED AREAS) AND SIX-INCHES (6") ABOVE

DETENTION OUTLET STRUCTURES UPON SUBMISSION OF AND APPROVAL OF SHOP DRAWINGS BY ENGINEER. ALL SHOP DRAWINGS ARE TO BE CERTIFIED BY A STATE-LICENSED PROFESSIONAL ENGINEER. 17. ALL PRECAST AND CAST-IN-PLACE STRUCTURES ARE TO BE DESIGNED TO

THE OPERATOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL OPERATIONS AND

1. ALL STORMWATER INLETS AND OUTFALLS SHALL BE INSPECTED TWICE PER 2. TRASH, LEAVES, DEBRIS AND SEDIMENT SHALL BE REMOVED FROM INLETS AND

3. IF INSPECTIONS INDICATE THAT STORMWATER PIPELINES HAVE BECOME PARTIALLY OBSTRUCTED WITH TRASH, LEAVES, DEBRIS OR SEDIMENT, THE PIPELINES SHALL BE CLEANED BY WATER JET TRUCK AND THE OBSTRUCTIONS

INSPECT DRY DETENTION BASINS AT LEAST ONCE PER YEAR TO ENSURE THAT THEY ARE OPERATING AS INTENDED. INSPECT BASINS DURING AND AFTER STORMS TO DETERMINE IF THE BASIN IS MEETING THE EXPECTED DETENTION TIMES. INSPECT THE OUTLET STRUCTURE FOR EVIDENCE OF CLOGGING OR OUTFLOW RELEASE VELOCITIES THAT ARE GREATER THAN DESIGN FLOW. POTENTIAL PROBLEMS THAT SHOULD BE CHECKED INCLUDE: SUBSIDENCE, EROSION, OR TREE GROWTH ON THE EMBANKMENT; DAMAGE TO THE EMERGENCY SPILLWAY; SEDIMENT ACCUMULATION AROUND THE OUTLET: AND EROSION WITHIN THE BASIN AND BANKS, MAKE ANY NECESSARY REPAIRS IMMEDIATELY, DURING INSPECTIONS, NOTE CHANGES TO THE DETENTION BASIN, MOW THE SIDE SLOPES, EMBANKMENT, AND EMERGENCY SPILLWAY AT LEAST TWICE PER YEAR. REMOVE TRASH AND

1. ALL UTILITIES (INCLUDING BUT NOT LIMITED TO WATER, STORM WATER, GAS, ELECTRIC, PHONE, ETC.) SHALL HAVE A MINIMUM 18-INCHES OF VERTICAL CLEARANCE AND 10-FEET OF HORIZONTAL

CLEARANCE WITH THE SANITARY LINES, OR WHATEVER IS REQUIRED BY THE INDIVIDUAL UTILITY, WHICHEVER IS GREATER. SANITARY LINES SHALL BE LOCATED BELOW WATER LINES. SEWER LATERALS SHALL HAVE A RECOMMENDED SLOPE OF 2% AND A MINIMUM SLOPE OF 1%. SEE PLUMBING DWGS FOR INTERIOR CONTINUATION OF STORM, SANITARY AND FIRE UTILITIES 4. SEE ELECTRICAL DWGS FOR INTERIOR CONTINUATION OF ELECTRICAL UTILITIES. 5. ALL GRAVITY SHALL BE VIDEO INSPECTED FOR LEAKS. PRIOR TO VIDEO INSPECTION, RUN

SUFFICIENT WATER THROUGH THE PIPE TO SATURATE POTENTIAL LOW SPOTS SO THEY MAY BE

DETECTED DURING INSPECTION. INSPECT EACH PIPE SEGMENT BETWEEN MANHOLES OR ACCESS

POINTS IN A SINGLE, CONTINUOUS RUN. PROGRESS THROUGH THE ENTIRE PROJECT IN A UNIFORM DIRECTION.

UTILITY CONSTRUCTION NOTES

1. ALL WATER PIPING AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE UTILITIES AUTHORITY/COMPANY AND MassDEP REQUIREMENTS AND STANDARDS. 2. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS/HER SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS, AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED

3. THE CONTRACTOR SHALL CALL THE DIG SAFE SYSTEM (DIAL 811), NOT LESS THAN 72 HOURS NOR MORE THAN 10 WORKING DAYS PRIOR TO PLANNED WORK TO NOTIFY UTILITY OWNERS OF THE INTENT TO START WORK. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING NON-MEMBER OR NON-RESPONSIVE UTILITY OWNERS INDIVIDUALLY. ALL WORK SHALL BE COORDINATED WITH UTILITY OWNERS INCLUDING,

BUT NOT LIMITED TO, ELECTRIC, GAS, COMMUNICATIONS, WATER, SANITARY AND STORM SEWER OWNERS, PRIOR TO THE START OF CONSTRUCTION. SANITARY SEWER AND WATER MAIN TO BE SEPARATED BY A MINIMUM DISTANCE OF 10.0' HORIZONTALL WHEN PARALLEL OR 18" VERTICALLY (WATER OVER SEWER) WHEN HORIZONTAL SEPARATION IS LESS THAN 10.0'. CONCRETE ENCASEMENT SHALL BE PROVIDED FOR UTILITY CROSSINGS THAT ARE

SEPARATED BY LESS THAN 18". WATER MAIN VALVES SHALL BE PROVIDED AS REQUIRED. MINIMUM PIPE COVER SHALL BE PER MANUFACTURER'S RECOMMENDATIONS OR MUNICIPAL

REQUIREMENTS, WHICHEVER IS GREATER. 7. PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. 8. ALIGNMENT OF UTILITIES WHICH CROSS EXISTING VEGETATION SHALL BE ADJUSTED IN ORDER TO

MINIMIZE DISTURBANCE TO EXISTING VEGETATION SUBJECT TO PROPER UTILITY SPACING AND EASEMENT REQUIREMENTS. 9. EXISTING TREES SHALL BE PRESERVED WHEREVER POSSIBLE. FIELD ADJUSTMENTS TO PROPOSED

GRADING, UTILITY STRUCTURE LOCATIONS, ETC. WILL BE MADE IN AN EFFORT TO PRESERVE EXISTING 10. ALL UTILITY TRENCHES LOCATED IN PUBLIC ROADWAYS SHALL BE REPAIRED IN ACCORDANCE WITH 11. METERING DEVICES AND OTHER UTILITY APPURTENANCES, INCLUDING BUT NOT LIMITED TO WATER,

SEWER, ELECTRIC, CABLE, TELEPHONE, AND NATURAL GAS SHALL BE INSTALLED WHERE AND AS REQUIRED BY MUNICIPAL OR UTILITY COMPANY STANDARDS. 12. NEW ELECTRIC AND TELEPHONE UTILITIES TO BE INSTALLED UNDERGROUND. 13. PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE STRUCTURES MAY BE UTILIZED FOR DRAINAGE

AND SANITARY SEWER SYSTEMS INCLUDING DETENTION OUTLET STRUCTURES UPON SUBMISSION TO AND APPROVAL OF SHOP DRAWINGS BY ENGINEER. ALL SHOP DRAWINGS ARE TO BE CERTIFIED BY A STATE-LICENSED PROFESSIONAL ENGINEER. 14. ALL PRECAST AND CAST-IN-PLACE STRUCTURES ARE TO BE DESIGNED TO AASHTO HS-20 LOADING REQUIREMENTS.

UTILITY CONDUIT TRENCH EXCAVATION NOTES:

BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.

1. LIMIT ADVANCED CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY. 2. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND

BACKFILLING WILL BE SELF CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS. ALL SOIL EXCAVATED FROM THE TRENCH WILL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.

5. WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS. WATER REMOVED FROM THE TRENCH SHALL BE PUMPED THROUGH A FILTRATION DEVICE. 6. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE

4. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND

GRADED TO FINAL CONTOURS AND IMMEDIATELY STABILIZED. MANHOLES AND CATCH BASINS SHALL BE PRECAST CONCRETE OR CONCRETE BLOCK CONFORMING

TO STANDARD DIMENSIONS SHOWN ON THE TYPICAL DETAIL. PRECAST CONES AND SECTIONS SHALL BE CONSTRUCTED OF REINFORCED CONCRETE CONFORMING TO ASTM C-478 & AASHTO M199. CONCRETE SHALL BE 4,000 PSI MINIMUM PER ASTM C-478(6.1). REINFORCING STEEL SHALL CONFORM TO ASTM A-305 FOR BAR REINFORCEMENT AND ASTM A-185 FOR WIRE MESH AND SHALL MEET AASHTO H-20 LOADING. MANHOLE STEPS SHALL MEET OSHA REGULATIONS 29 CFR1910.27, SECTION 16 OF ASTM C478 & SECTION 10 ASTM C497. BUTYL RUBBER JOINT SEALANT SHALL CONFORM TO ASTM C-900 & ASHTO M-198

RADIAL CONCRETE BLOCKS SHALL CONFORM TO ASTM C-139 AND NOT BE NOT LESS THAN 8 INCHES IN LENGTH AND OF SUCH SHAPE THAT THE JOINTS CAN BE EFFECTIVELY SEALED AND BONDED WITH

CONCRETE FOR HEADWALLS, FOOTINGS AND OTHER STRUCTURES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.

MORTAR FOR MASONRY WORK AND PIPE JOINTS SHALL CONSIST OF ONE (1) PART PORTLAND CEMENT TO TWO (2) PARTS SAND. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II. SAND SHALL CONFORM TO ASTM C-144. THE MORTAR SHALL BE USED WITHIN THIRTY (30) MINUTES FROM THE TIME THAT THE INGREDIENTS ARE MIXED WITH WATER. WATER SHALL BE CLEAN AND FREE

FRAMES, COVERS, GRATINGS AND HOODS: SHALL BE MANUFACTURED IN THE USA AND SHALL CONFORM TO THE LATEST REVISION OF THE TOWN'S SPECIFICATIONS FOR MATERIALS WHICH ARE USED FOR BIDDING PURPOSES. ALL CASTINGS SHALL BE TRUE TO PATTERN IN FORM AND DIMENSIONS, FREE FROM FAULTS, SPONGINESS, CRACKS, BLOWHOLES AND OTHER DEFECTS AFFECTING THEIR STRENGTH.

OUTLET CONTROL STRUCTURES: SHALL BE PRECAST REINFORCED CONCRETE CONFORMING TO STANDARD DIMENSIONS OF THOSE SHOWN ON THE TYPICAL DETAIL. CONCRETE SHALL BE 4,000 PSI MINIMUM PER ASTM C-478(6.1).

REINFORCING STEEL SHALL CONFORM TO ASTM A-305 FOR BAR REINFORCEMENT AND ASTM A-185 FOR WIRE MESH AND SHALL MEET AASHTO H-20 LOADING. WEIR PLATES AND TRASH BAFFLES SHALL BE ¼" THICK STAINLESS STEEL AND SHALL BE TWO SEPARATE PIECES BOLTED TO THE OUTLET CONTROL STRUCTURE WITH 1/2" DIAMETER STAINLESS STEEL LAG BOLTS AND WASHERS.

SUITE 105 CHELMSFORD Services MASSACHUSETTS 01824 Engineering 978.954.5450 PHONE Design/Build Compliance Consulting www.ipsdb.com IPS Professional Engineers and Architects, PC.

100 APOLLO DRIVE

02-JUL-2021 ISSUE FOR CONSERVATION COMMISSION 19-JUL-2021 ISSUE FOR PLANNING BOARD 21-JUL-2021 PERMIT ISSUE 02-AUG-2021 ISSUE FOR PLANNING BOARD 19-AUG-2021 ISSUE FOR PLANNING BOARD 07-SEP-2021 ISSUE FOR PLANNING BOARD 08-OCT-2021 BULLETIN NO. 4



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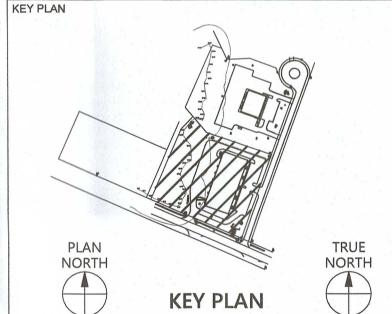
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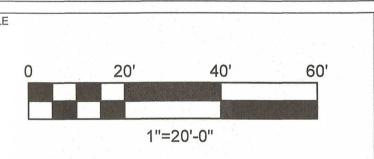
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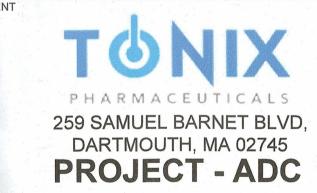
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SITE UTILITIES PLAN

AS NOTED

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C3.21

IPS PROJECT#

MAD21200.01

CADD FILE NAME

ISSUE FOR CONSTRUCTION

DAVID F. CITRO, P.E. COMMONWEALTH OF **MASSACHUSETTS** ROFESSIONAL CIVIL ENGINEER LICENSE NO: 52353

DATE: OCTOBER 29, 2021