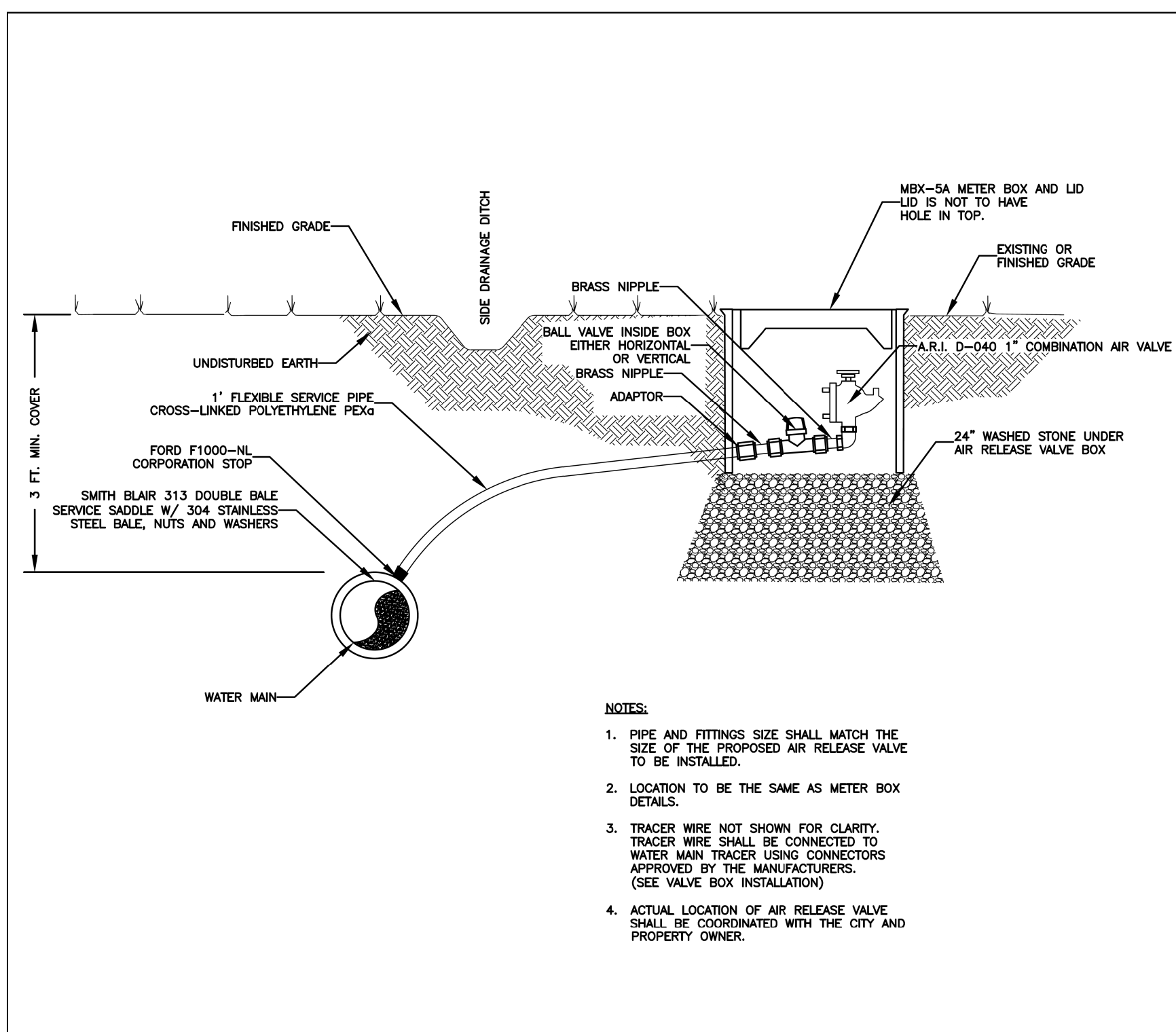
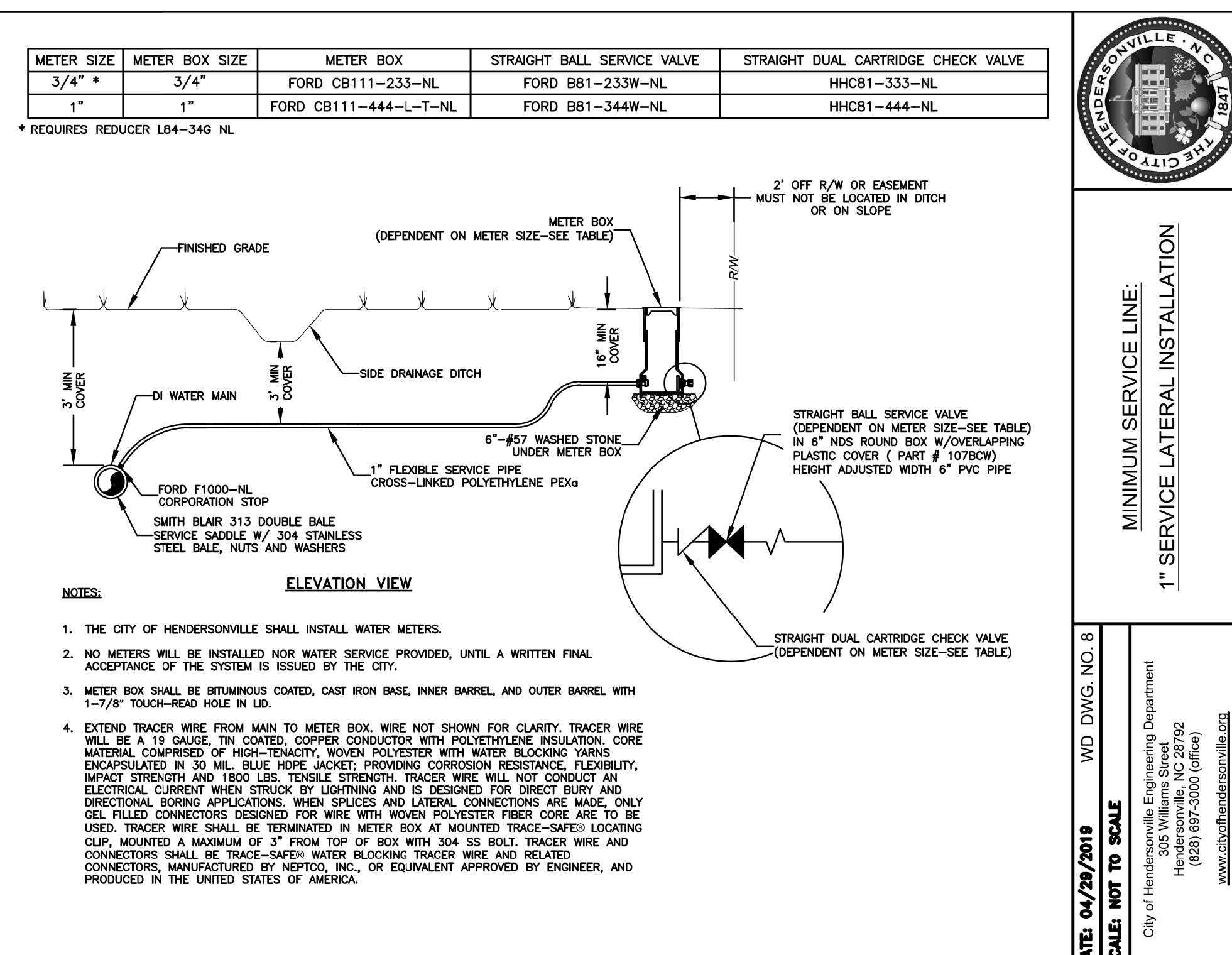


PROJECT REFERENCE NO.	U-5887	SHEET NO.	UC-3C
DESIGNED BY:	DCR	UTILITY CONSTRUCTION PLANS ONLY	
DRAWN BY:	DCR		
CHECKED BY:	JDN		
APPROVED BY:	JDN	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY	
DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED			
UTILITY CONSTRUCTION			



STANDARD AIR RELEASE VALVE INSTALLATION DETAIL

DATE: 04/08/2019
 SCALE: NOT TO SCALE
 City of Hendersonville Engineering Department
 305 Williams Street
 Hendersonville, NC 27032
 (828) 897-3000 (office)
 www.cityofhendersonville.org



METER SIZE	METER BOX SIZE	METER BOX	STRAIGHT BALL SERVICE VALVE	STRAIGHT DUAL CARTRIDGE CHECK VALVE
3/4" *	3/4"	FORD CB111-233-NL	FORD BB1-233W-NL	HHC81-333-NL
1"	1"	FORD CB111-444-L-T-NL	FORD BB1-344W-NL	HHC81-444-NL

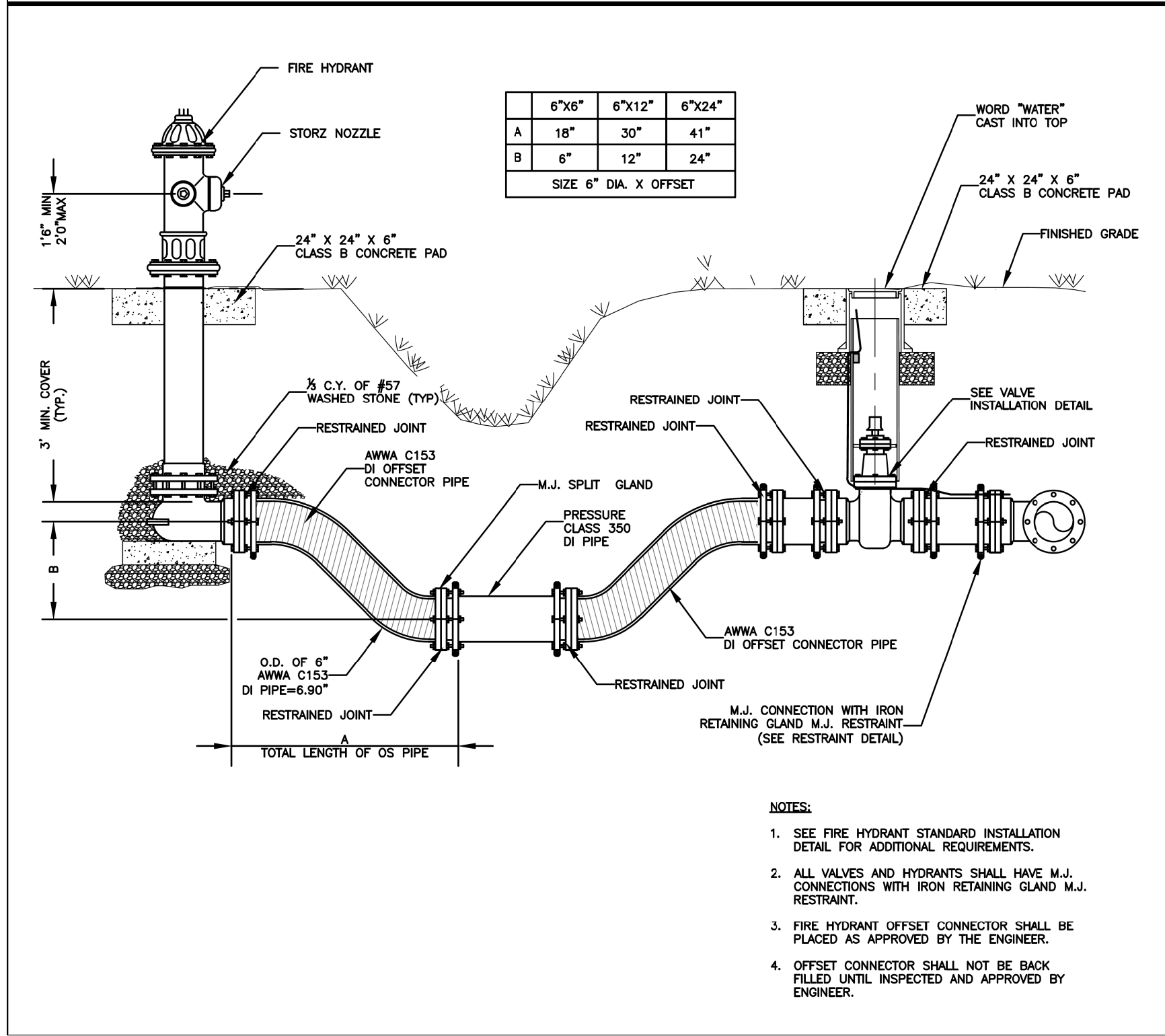
* REQUIRES REDUCER LB4-340 NL

- NOTES:
- THE CITY OF HENDERSONVILLE SHALL INSTALL WATER METERS.
 - NO METERS WILL BE INSTALLED NOR WATER SERVICE PROVIDED, UNTIL A WRITTEN FINAL ACCEPTANCE OF THE SYSTEM IS ISSUED BY THE CITY.
 - METER BOX SHALL BE BITUMINOUS COATED, CAST IRON BASE, INNER BARREL, AND OUTER BARREL WITH 1-7/8" TOUCH-READ HOLE IN LID.
 - EXTEND TRACER WIRE FROM MAIN TO METER BOX. WIRE NOT SHOWN FOR CLARITY. TRACER WIRE SHALL BE A 18 GAUGE, TIN COATED, COPPER CONDUCTOR WITH POLYETHYLENE INSULATION. CORE MATERIAL COMPRISED OF HIGH-TENSILE, WOVEN POLYESTER WITH WATER BLOCKING YARNS ENCAPSULATED IN 30 ML. BLUE HOPE JACKET; PROVIDING CORROSION RESISTANCE, FLEXIBILITY, IMPACT STRENGTH AND 1800 LBS. TENSILE STRENGTH. TRACER WIRE WILL NOT CONDUCT AN ELECTRICAL CURRENT WHEN STRUCK BY LIGHTNING AND IS DESIGNED FOR DIRECT BURY AND DIRECTIONAL BORING APPLICATIONS. WHEN SPICES AND LATERAL CONNECTIONS ARE MADE, ONLY GEL FILLED CONNECTORS DESIGNED FOR WIRE WITH WOVEN POLYESTER FIBER CORE ARE TO BE USED. TRACER WIRE SHALL BE TERMINATED IN METER BOX AT MOUNTED TRACE-SAFE® LOCATING CLIP, MOUNTED A MAXIMUM OF 3" FROM TOP OF BOX WITH 304 SS BOLT. TRACER WIRE AND CONNECTORS SHALL BE TRACE-SAFE® WATER BLOCKING TRACER WIRE AND RELATED CONNECTORS, MANUFACTURED BY NETFICO, INC., OR EQUIVALENT APPROVED BY ENGINEER, AND PRODUCED IN THE UNITED STATES OF AMERICA.



MINIMUM SERVICE LINE: 1" SERVICE LATERAL INSTALLATION

DATE: 04/29/2019
 SCALE: NOT TO SCALE
 City of Hendersonville Engineering Department
 305 Williams Street
 Hendersonville, NC 27032
 (828) 897-3000 (office)
 www.cityofhendersonville.org



FIRE HYDRANT DITCH INSTALLATION DETAIL

DATE: 01/12/2019
 SCALE: NOT TO SCALE
 City of Hendersonville Engineering Department
 305 Williams Street
 Hendersonville, NC 27032
 (828) 897-3000 (office)
 www.cityofhendersonville.org

	6"x6"	6"x12"	6"x24"
A	18"	30"	41"
B	6"	12"	24"

SIZE 6" DIA. X OFFSET

- NOTES:
- SEE FIRE HYDRANT STANDARD INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
 - ALL VALVES AND HYDRANTS SHALL HAVE M.J. CONNECTIONS WITH IRON RETAINING GLAND M.J. RESTRAINT.
 - FIRE HYDRANT OFFSET CONNECTOR SHALL BE PLACED AS APPROVED BY THE ENGINEER.
 - OFFSET CONNECTOR SHALL NOT BE BACK FILLED UNTIL INSPECTED AND APPROVED BY ENGINEER.

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V&M
 Vaughn & Melton
 Consulting Engineers

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 828-253-2796

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Charlotte, NC 704-357-0488	Boone, NC 828-355-9933	Kennesaw, GA 770-621-3590	

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