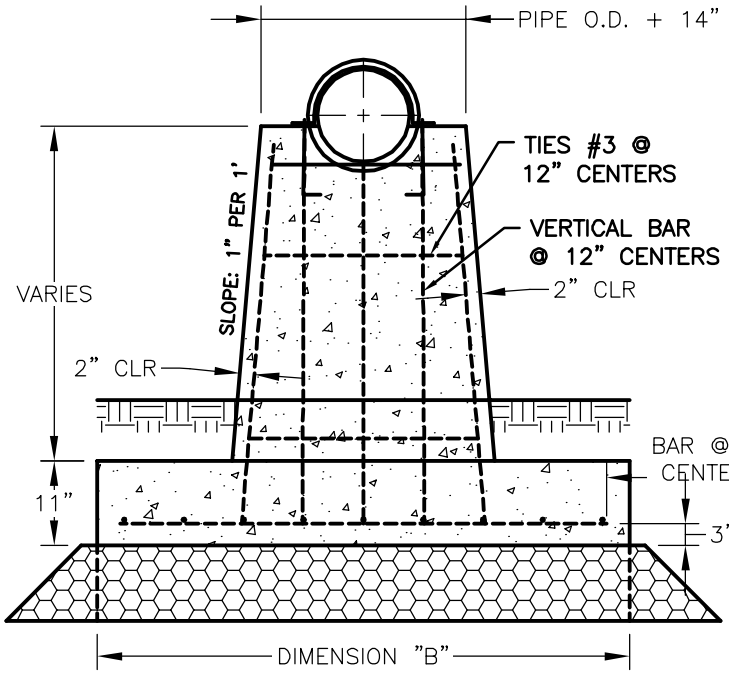

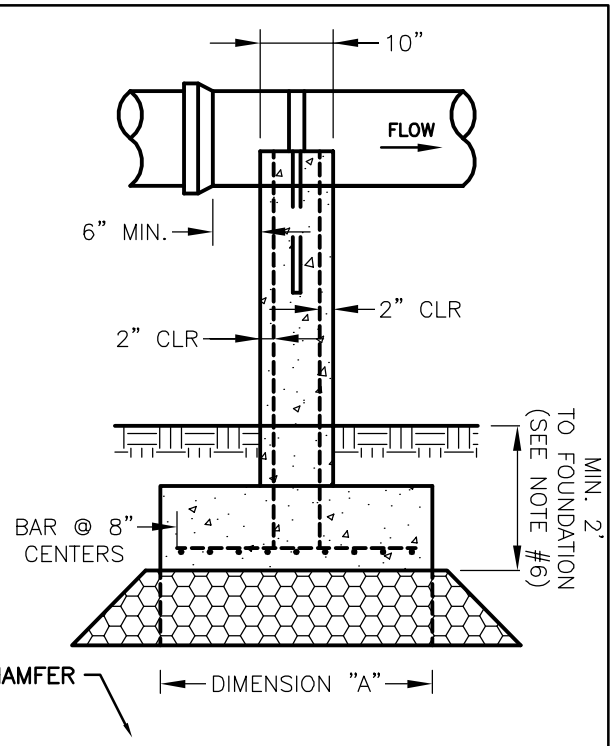

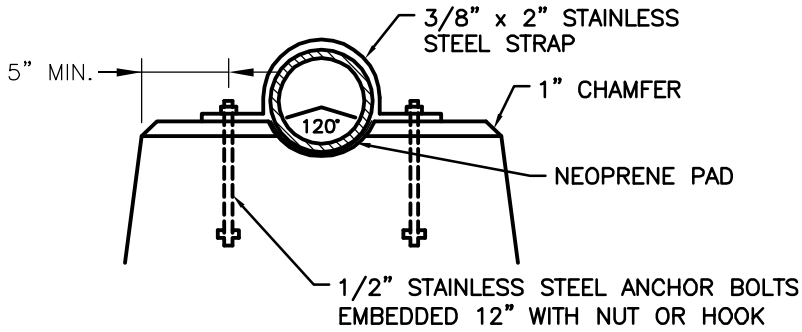

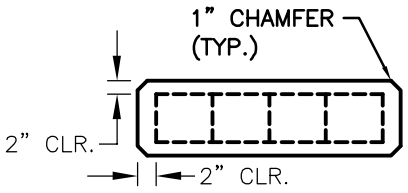

FOOTING DIMENSIONS					
PIPE SIZE (IN)	PIER HEIGHT (FT) 0–3	3–10	10–15	15–20	DIMENSION
4–6	2'–4"	3'–0"	4'–0"	5'–0"	A
	5'–0"	5'–6"	6'–0"	6'–6"	B
8–10	2'–4"	3'–0"	4'–0"	5'–0"	A
	5'–6"	6'–0"	6'–6"	7'–0"	B
12–18	2'–4"	3'–0"	4'–0"	5'–0"	A
	6'–0"	6'–6"	7'–0"	7'–6"	B
PIER HEIGHT (FT)		0–10	10–15	15–20	
REINFORCING BAR SIZE		4	5	6	

NOTES:

1. DRAWINGS ARE NOT TO SCALE.
2. REBAR BENDS NOT TO BE BENT BY HEAT.
3. ALL CONCRETE TO BE AIR ENTRAINED CLASS 'A'.
4. 1/8" TO 1/2" NEOPRENE PAD BETWEEN PIPE AND CONCRETE.
5. ALL HARDWARE TO BE STAINLESS STEEL.
6. FOUNDATION SOIL SHALL HAVE A MINIMUM SOIL BEARING PRESSURE OF 2000 PSF.
7. WHERE SHALLOW ROCK IS FOUND TO EXIST. PIN FOOTING TO ROCK BY DRILLING & EPOXYING DOWELS INTO THE ROCK.
8. ALL PIPE THAT IS TO BE SUPPORTED ON A PIER SHALL BE RESTRAINED JOINT (U.S. PIPE – MJ HARNESS–LOK, GRIFFIN PIPE – MECH–LOK OR PREAPPROVED EQUIVALENT).
9. ALL PIERS SHALL BE DESIGNED AND SUBMITTED (ALONG WITH DOCUMENTATION SHOWING DESIGN PARAMETERS, ASSUMPTIONS, AND SAFETY FACTORS USED TO RESIST THE FORCES ACTING ON THE PIER/PIPE SYSTEM) TO WATER RESOURCES DEPARTMENT AS PART OF THE PLAN REVIEW PROCESS. ALL PIER DESIGNS MUST BE SIGNED AND SEALED BY A REGISTERED NORTH CAROLINA PROFESSIONAL ENGINEER.
10. LOCATION OF ALL JOINTS TO BE DETERMINED BY THE DESIGN ENGINEER. A DETAIL OF THE ENTIRE PIER SYSTEM PROFILE SHALL BE INCLUDED IN THE DESIGN SUBMITTAL AS PART OF THE PLAN REVIEW PROCESS.

DATE: 3/1/14

CITY OF REIDSVILLE

PIER DETAIL (TYPICAL)	STD. NO.	REV.
	220	