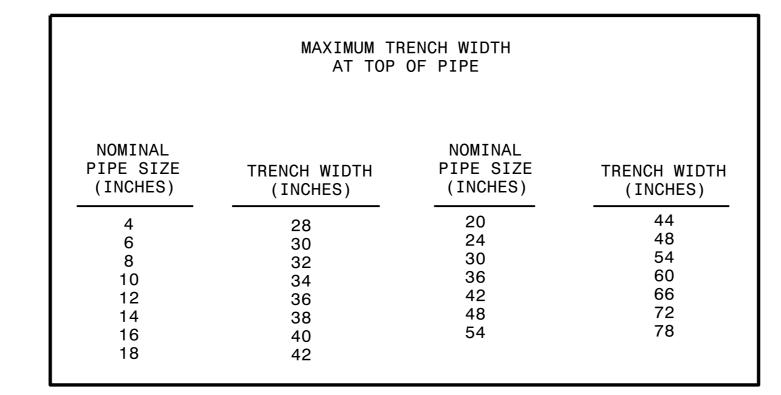
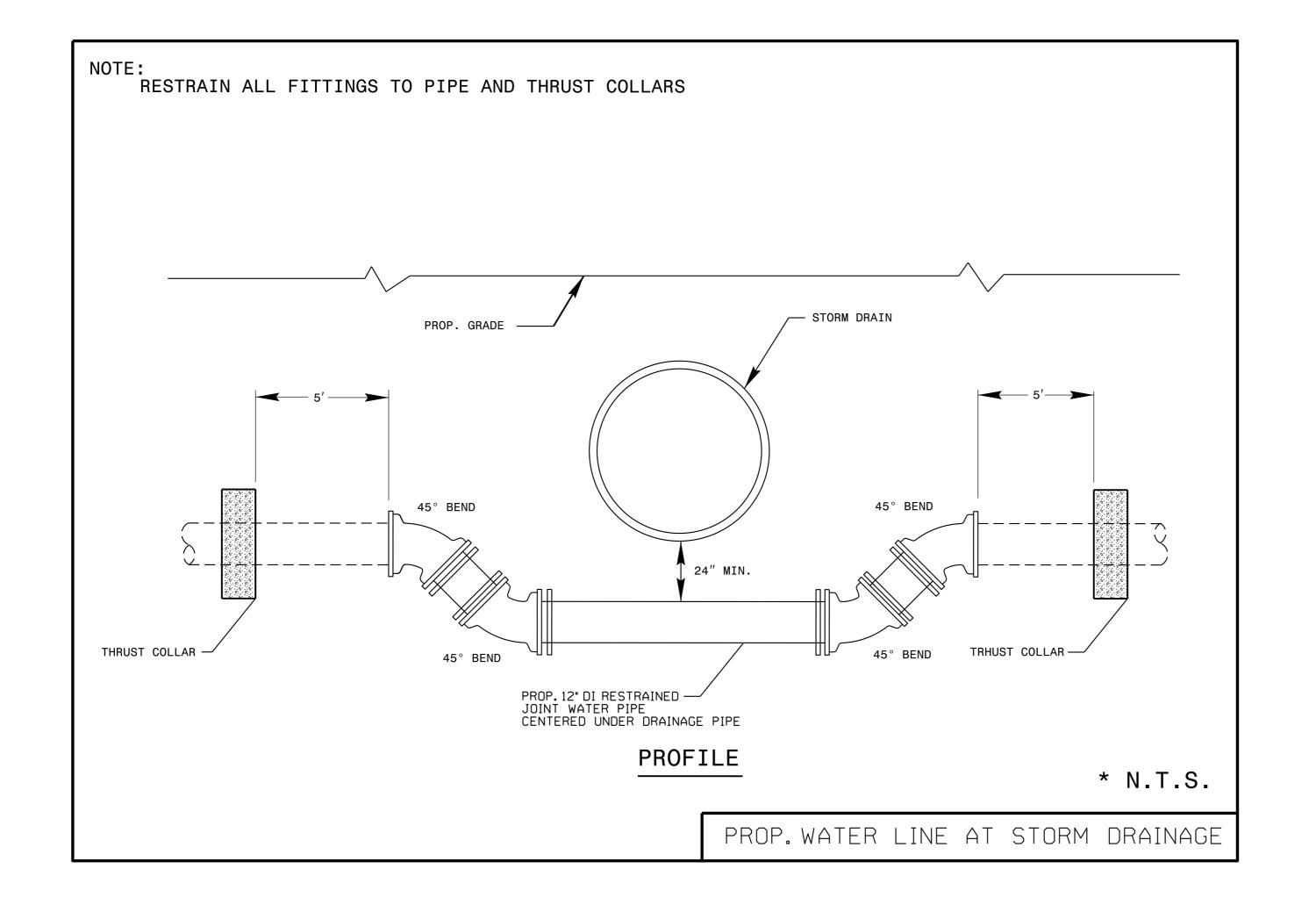
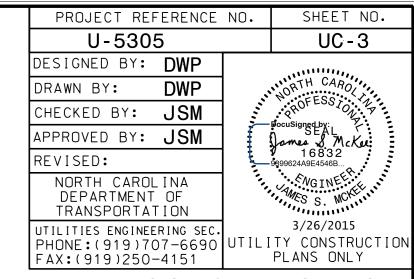


EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE

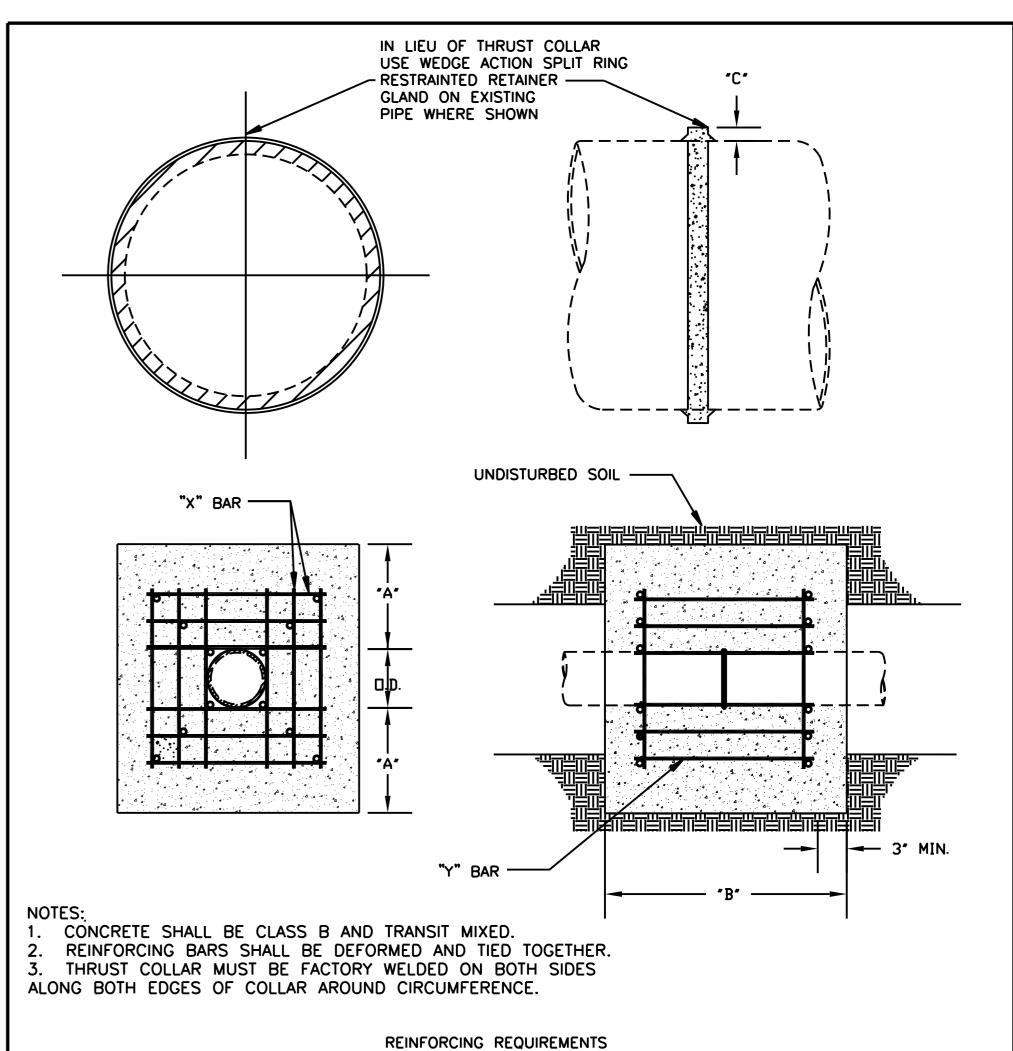
OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.
COMPACTION SHALL BE TO APPROXIMATELY 95% DENSITY
IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE
DEPARTMENT OF TRANSPORTATION.







UTILITY CONSTRUCTION



REINFORCING REQUIREMENTS I.D. PIPE REBAR SIZE "X" BAR LENGTH "X" BAR WEIGHT "Y" BAR LENGTH "Y" BAR WEIGHT NO. REQUIRED 6" - 36" #5 2'-2"+ O.D. PIPE 1.043 LBS/FT 1'-1" 1.1 LBS. EACH X-24, Y-12 48" & GREATER #6 3'-0"+ O.D. PIPE 1.502 LBS/FT 1'-3" 1.9 LBS. EACH X-24, Y-12

THRUST COLLAR AND THRUST SCHEDULE							
	I.D. PIPE	"A"	"B"	"C-6"-16"	20"-24"	30"-36"	48"
	6" - 36"	1'-4"	1'-7"	2"	3"	4"	
	48" & GREATER	1'-8"	1'-9"				6"

CONCRETE THRUST COLLAR