



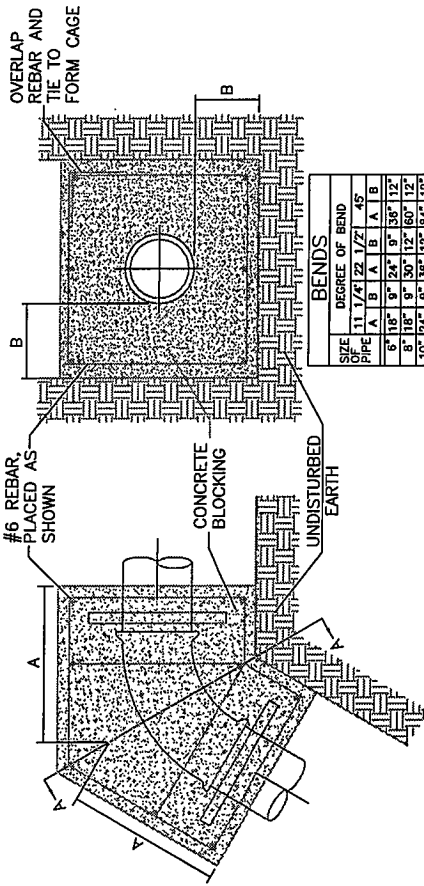
CLERMONT COUNTY  
SEWER DISTRICT

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_

CONCRETE BLOCKING  
FOR PIPE FITTINGS

DRAWING NO.

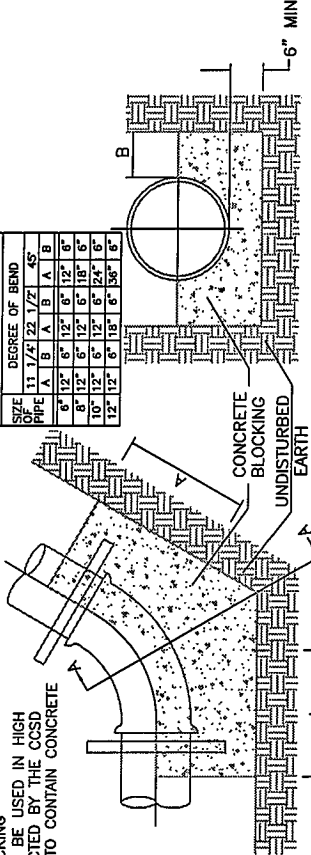
W1.3



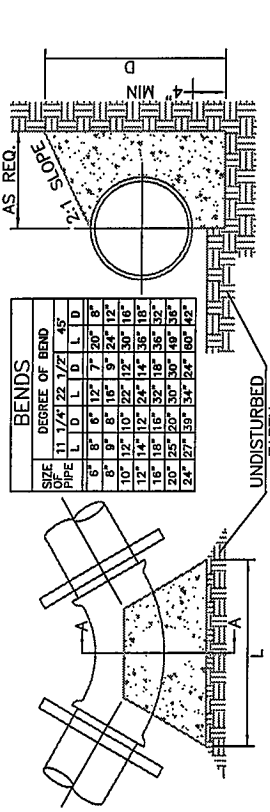
SIZE OF PIPE	DEGREE OF BEND			
	11 1/4"	22 1/2"	45"	
8"	A	B	A	B
10"	A	B	A	B
12"	A	B	A	B

ELEVATION SECTION A TYPICAL  
TOP VERTICAL BENDS  
N.T.S.

SIZE OF PIPE	DEGREE OF BEND			
	11 1/4"	22 1/2"	45"	
8"	A	B	A	B
10"	A	B	A	B
12"	A	B	A	B



ELEVATION SECTION A TYPICAL  
BOTTOM VERTICAL BENDS  
N.T.S.

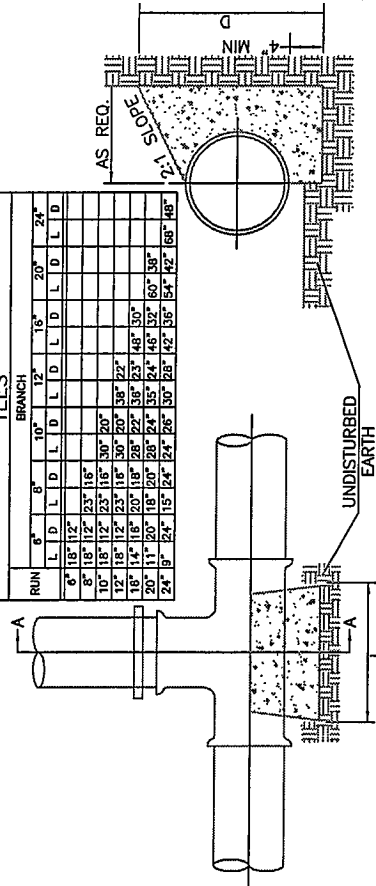


SIZE OF PIPE	DEGREE OF BEND			
	11 1/4"	22 1/2"	45"	
8"	L	D	L	D
10"	L	D	L	D
12"	L	D	L	D

PLAN SECTION A TYPICAL  
BENDS 45° AND UNDER  
N.T.S.

- BLOCKING NOTES:
1. BLOCKING SHALL BE CLASS "C" CONCRETE
  2. BLOCKING REQUIRED AT ALL BENDS
  3. FACE OF EACH BLOCK MUST BE PERPENDICULAR TO THE LINE OF THRUST
  4. FITTINGS TO BE WRAPPED WITH 4 MIL PLASTIC GLANDS AND NUTS
  5. CONCRETE TO BE POURED AGAINST UNDISTURBED EARTH ON THE THRUST SIDE
  6. D.I. RETAINER GLANDS TO BE USED IN ADDITION TO CONCRETE THRUST BLOCKING
  7. 3/4" REINFORCING BARS TO BE USED IN HIGH PRESSURE ZONES AS DIRECTED BY THE CCSD RUDIMENTARY FORMS USED TO CONTAIN CONCRETE IN THRUST AREA

RUN	TEES				BRANCH			
	8"	10"	12"	16"	20"	24"		
8"	L	D	L	D	L	D	L	D
10"	L	D	L	D	L	D	L	D
12"	L	D	L	D	L	D	L	D
16"	L	D	L	D	L	D	L	D
20"	L	D	L	D	L	D	L	D
24"	L	D	L	D	L	D	L	D



PLAN SECTION A TYPICAL  
TEES  
N.T.S.