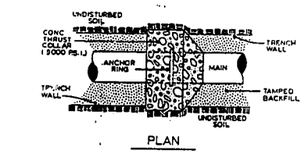
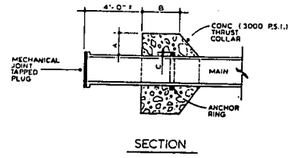
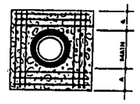


PLAN



SECTION

SCHEDULE				
PIPE DIAMETER	CONCRETE THRUST COLLAR A	B	ANCHOR RING	RINGS REQUIRED
6", 8", 12"	1'-0"	1'-0"	2"	ONE
16"	1'-4"	1'-0"	2"	ONE
20"	1'-4"	1'-0"	3"	ONE
24"	1'-4"	1'-0"	3"	TWO
30"	1'-4"	1'-2"	4"	TWO
36"	1'-4"	1'-4"	4"	TWO

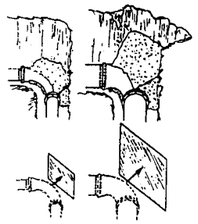


REINFORCING

NOTE 1
6" TO 16" MAINS : 12 - NO. 7 BARS
20" TO 36" MAINS : 12 - NO. 8 BARS
BARS PLACED AS SHOWN

1/12 THRUST COLLAR INSTALLATION

N.T.S

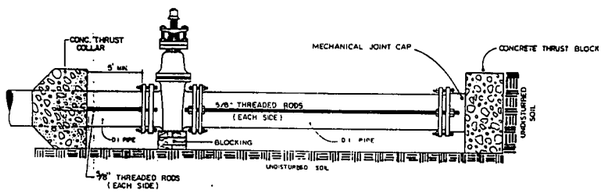


MINIMUM CONCRETE BLOCKING (C.Y.)*					
NOM. PIPE DIA. IN	TEES & DEAD ENDS	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1/3	1/3	1/3	1/3	1/3
6	1/3	1/3	1/3	1/3	1/3
8	1/3	1/2	1/3	1/3	1/3
10	2/3	3/4	1/2	1/3	1/3
12	3/4	1.0	2/3	1/3	1/3
14	1.0	1	3/4	1/2	1/3
16	1 1/3	2.0	1.0	1/2	1/3
18	1 2/3	2 1/3	1 1/3	2/3	1/3
20	2.0	3.0	1 2/3	3/4	1/2
24	3.0	4 1/3	2 1/3	1 1/3	2/3

* CONCRETE SHALL BE 3000 PSI MIX

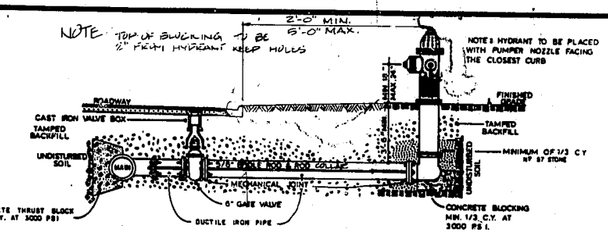
NOTE: 1) NO CONCRETE SHALL COVER JOINTS OR VALVES
2) COST OF BLOCKING SHALL BE INCLUDED IN COST OF ALL OTHER WORK

2/12 THRUST BLOCKING



3/12 CAPPING DETAIL

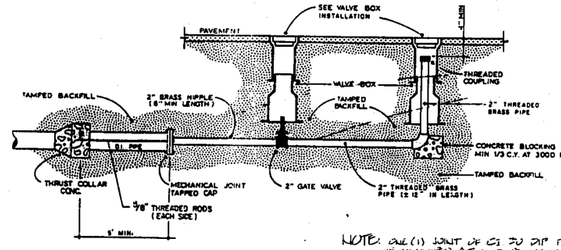
NTS



4/12 HYDRANT INSTALLATION

NOTE: FIRE HYDRANT ASSEMBLY CALLED FOR IN PID FROM INCLUDES TEE, BLOCKING, VALVE, LEG, & ALL OTHER NECESSARY ACCESSORIES

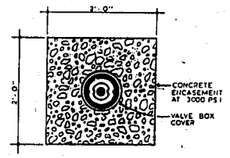
N.T.S.



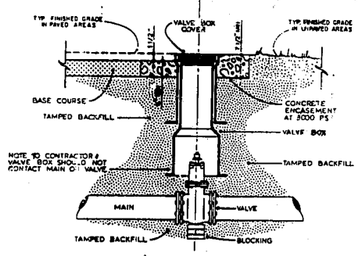
NOTE: USE (1) JOINT OF CL 50 DIP TYPE IS REQUIRED AT END OF MAIN LINE IN ORDER TO MAKE UP THE 2" BLOW-OFF ASSEMBLY.

5/12 2" BLOW-OFF ASSEMBLY

N.T.S.



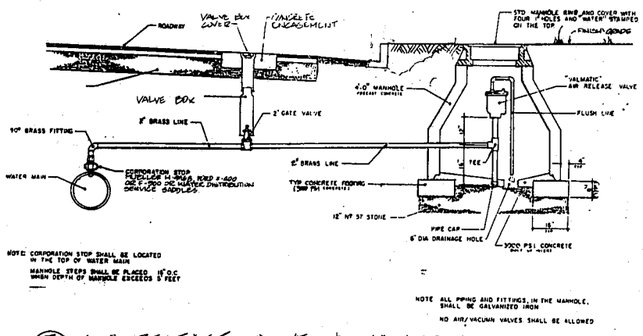
PLAN



SECTION

6/12 VALVE BOX INSTALLATION

N.T.S



NOTE: CORPORATION STOP SHALL BE LOCATED IN THE TOP OF WATER MAIN

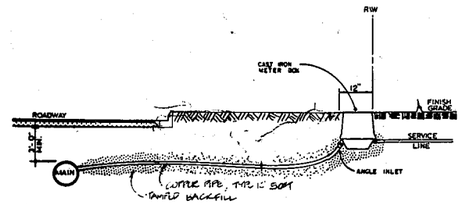
MANHOLE STEPS SHALL BE PLACED 16" O.C. WHEN DEPTH OF MANHOLE EXCEEDS 5 FEET

NOTE ALL PIPING AND FITTINGS IN THE MANHOLE, SHALL BE GALVANIZED IRON

NO AIR/VACUUM VALVES SHALL BE ALLOWED

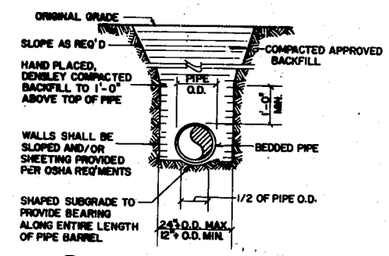
7/12 AIR RELEASE VALVE & MANHOLE

N.T.S.

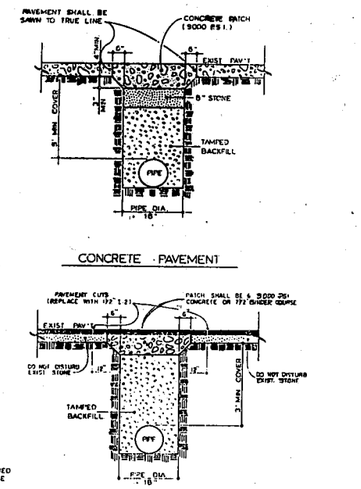


8/12 3/4" & 1" METER BOX INSTALLATION

N.T.S



9/12 PIPE LAYING CONDITION



NOTE TO CONTRACTOR:
ALL PAVEMENT CUTS SHALL BE REPAIRED WITHIN A MAXIMUM OF SEVEN (7) DAYS FROM THE DATE THE CUT IS MADE. IF CONDITIONS DO NOT PERMIT A PERMANENT REPAIR WITHIN THE GIVEN TIME LIMIT, PERMISSION TO MAKE A TEMPORARY REPAIR MUST BE OBTAINED FROM THE TOWN ENGINEER

10/12 TRENCH & PAVEMENT REPAIR SECTIONS

N.T.S

Dewberry & Davis
Engineers Architects Planners Surveyors
Twin Forks office Park 5922 Six Forks Road
Raleigh, N.C. 27609 Tel: 847-0418

TRACT R-10
PARKWAY P.U.D. CARY, N.C.

STANDARD WATERLINE DETAILS

Scale: NO SCALE
Sheet: 12 of 14
Date: SEPT, 1980
File Number: 80014(3)