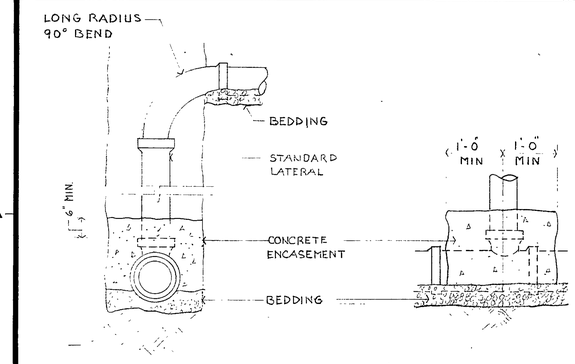
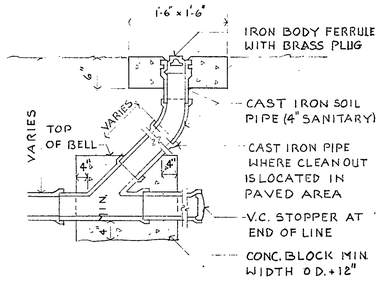
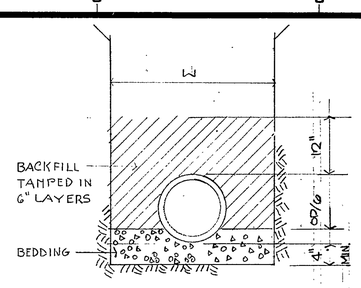


VERTICAL CONECTION TYP.
No SCALE

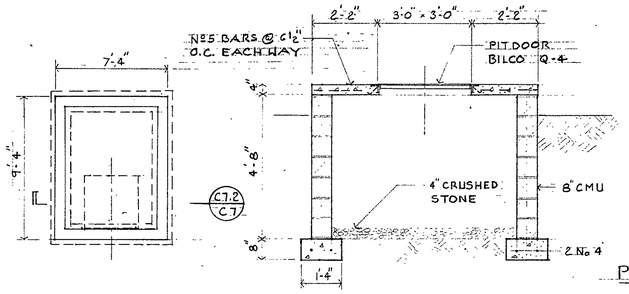


CLEAN OUT DETAIL TYP.
No SCALE



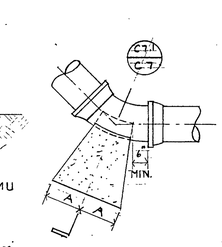
NOMINAL PIPE DIA.	TRENCH WIDTH (W)
4 THRU 6	2-0"
8 THRU 12	2-8"

PIPE TRENCH DETAIL (TYP.)
No SCALE

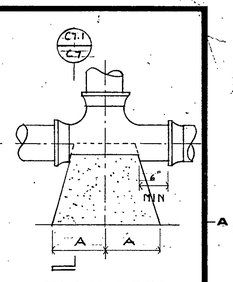


METER PIT PLAN
SCALE ¼" = 1'-0"

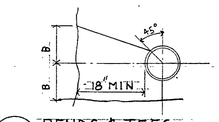
C7.2 / C7 SECTION
SCALE ½" = 1'-0"



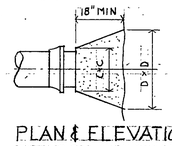
PLAN BENDS



PLAN TEES



C7.1 / C7 BENDS & TEES
No SCALE

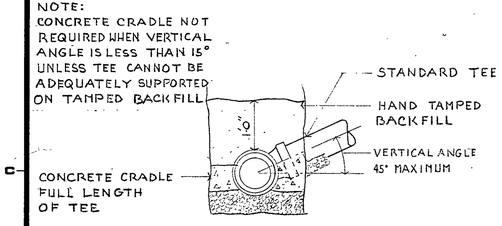


PLAN & ELEVATION PLUGS

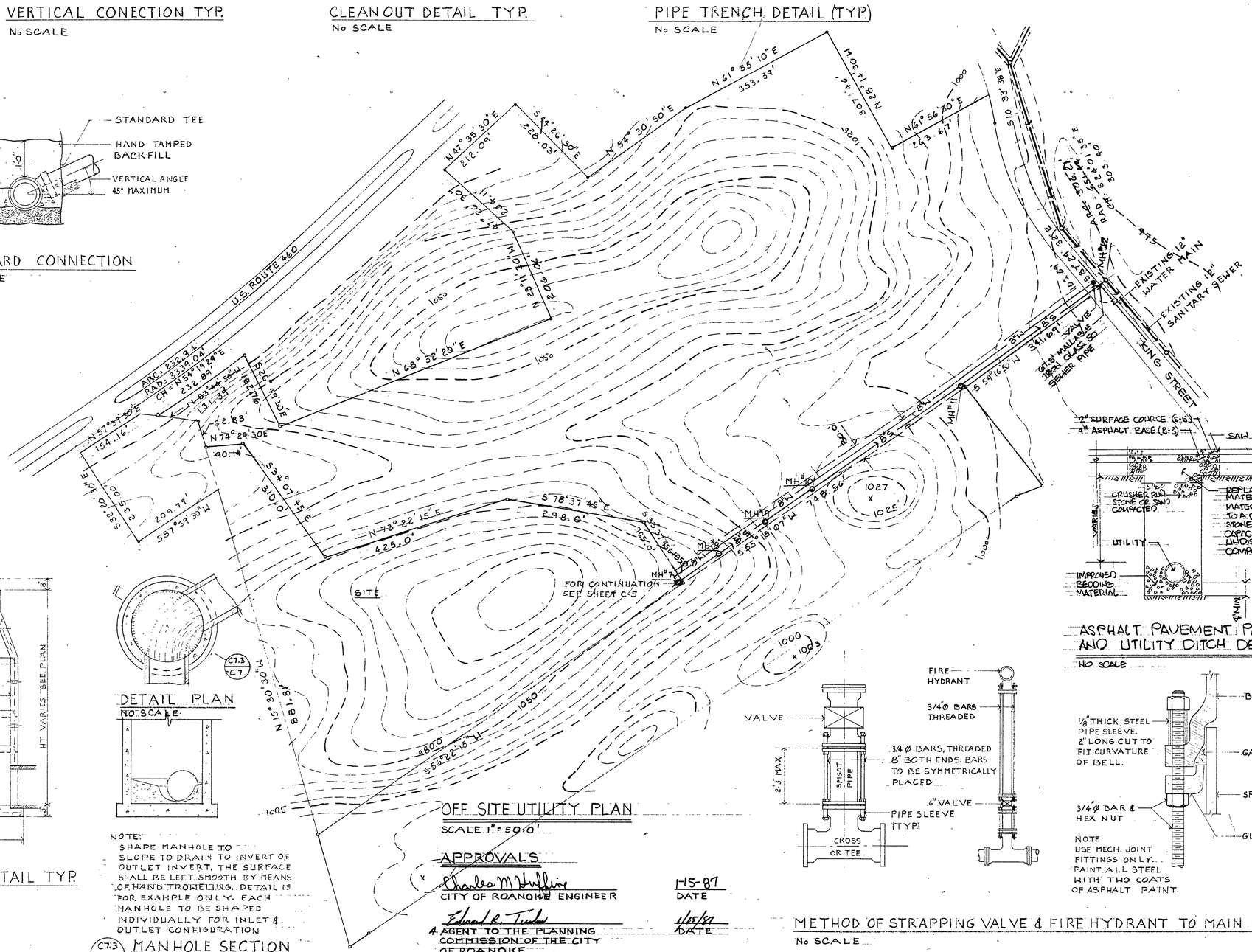
SIZE	1/4 BENDS		1/8 BENDS		1/16 BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
6"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
8"	22"	13"	16"	13"	8"	10"	13"	16"	12"	29"

THRUST BLOCKS FOR WATER MAINS

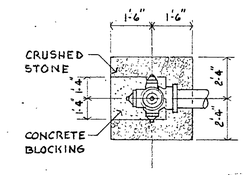
NOTE:
CONCRETE CRADLE NOT REQUIRED WHEN VERTICAL ANGLE IS LESS THAN 15° UNLESS TEE CANNOT BE ADEQUATELY SUPPORTED ON TAMPED BACKFILL



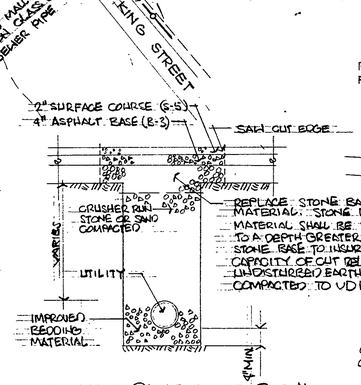
STANDARD CONNECTION
No SCALE



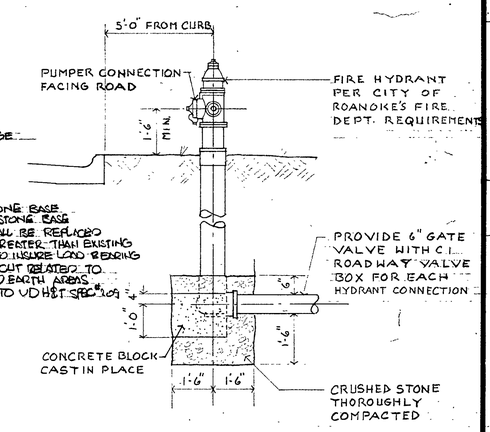
OFF SITE UTILITY PLAN
SCALE 1" = 50'-0"



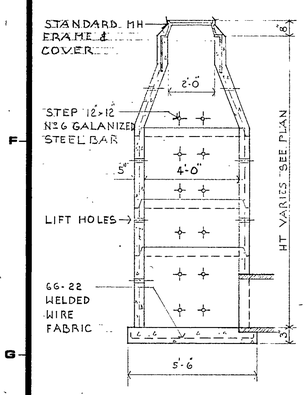
FIRE HYDRANT PLAN
No SCALE



ASPHALT PAVEMENT PATCH AND UTILITY DITCH DETAIL
NO SCALE



FIRE HYDRANT INSTALLATION DETAIL
No SCALE



MANHOLE DETAIL TYP.
SCALE ⅜" = 1'-0"

C7.3 / C7

DETAIL PLAN
NO SCALE

NOTE:
SHAPE MANHOLE TO SLOPE TO DRAIN TO INVERT OF OUTLET INVERT. THE SURFACE SHALL BE LEFT SMOOTH BY MEANS OF HAND TROWELING. DETAIL IS FOR EXAMPLE ONLY. EACH MANHOLE TO BE SHAPED INDIVIDUALLY FOR INLET & OUTLET CONFIGURATION

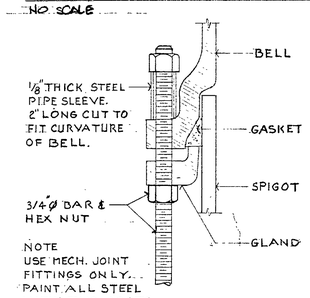
C7.3 / C7 MANHOLE SECTION
NO SCALE

APPROVALS

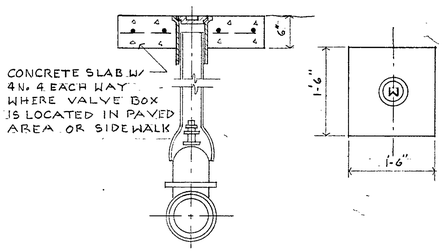
Charles M Duffin — 1-15-87
CITY OF ROANOKE ENGINEER — DATE

Edward R. Tucker — 1/15/87
A. AGENT TO THE PLANNING COMMISSION OF THE CITY OF ROANOKE — DATE

METHOD OF STRAPPING VALVE & FIRE HYDRANT TO MAIN DETAIL
No SCALE



NOTE
USE MECH. JOINT FITTINGS ONLY. PAINT ALL STEEL WITH TWO COATS OF ASPHALT PAINT.



VALVE BOX DETAIL
No SCALE

COMM. 642	DATE 12-20-85	REV 05-05-86	
DRAWN	REV 01-10-86	REV	
CHECKED	REV 03-11-86	REV	

KINSEY SHANE & ASSOCIATES
ARCHITECTS-ENGINEERS-PLANNERS SALEM, VIRGINIA

HICKORY WOODS APARTMENTS
ROANOKE, VIRGINIA

SHEET C7

6025