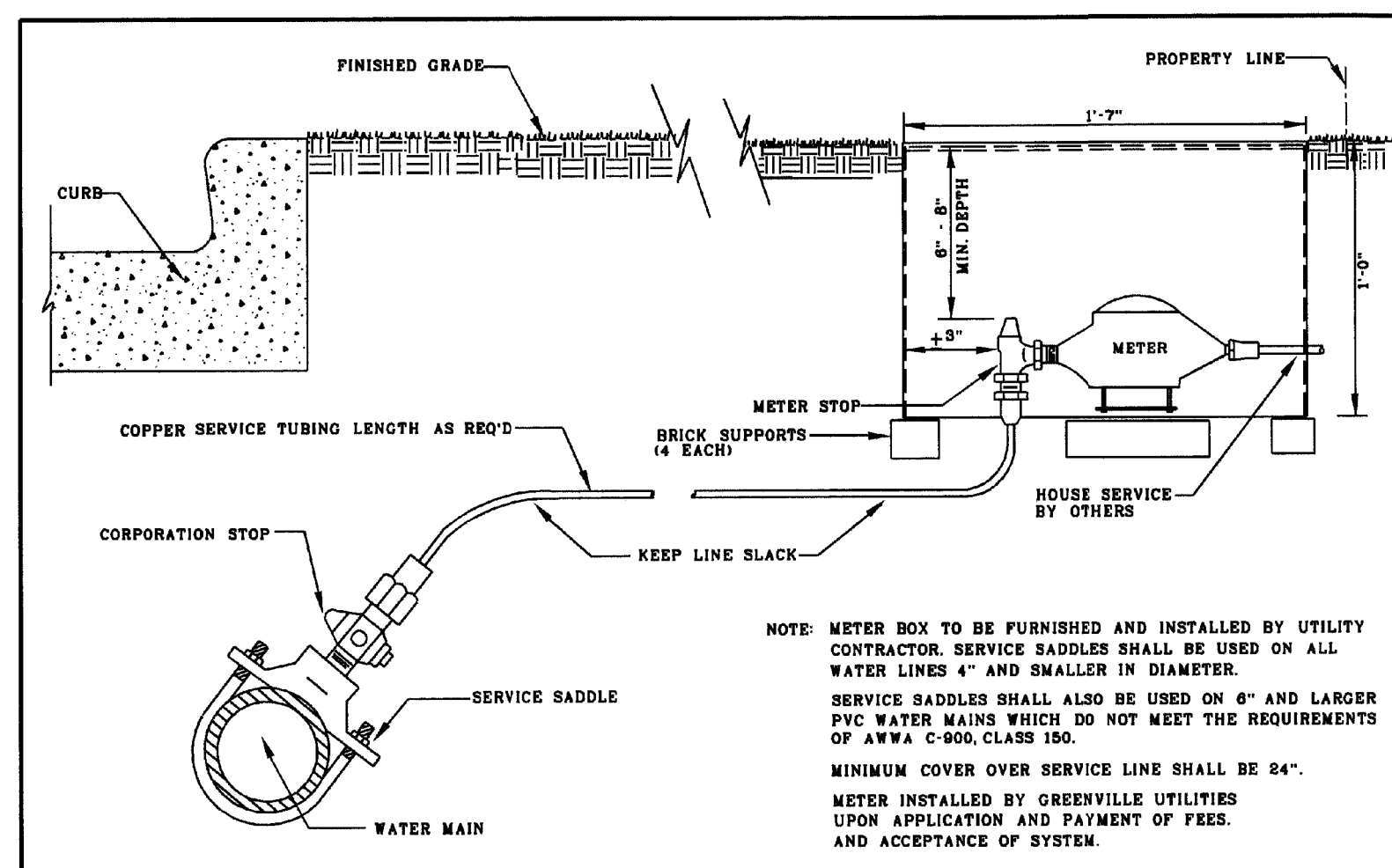


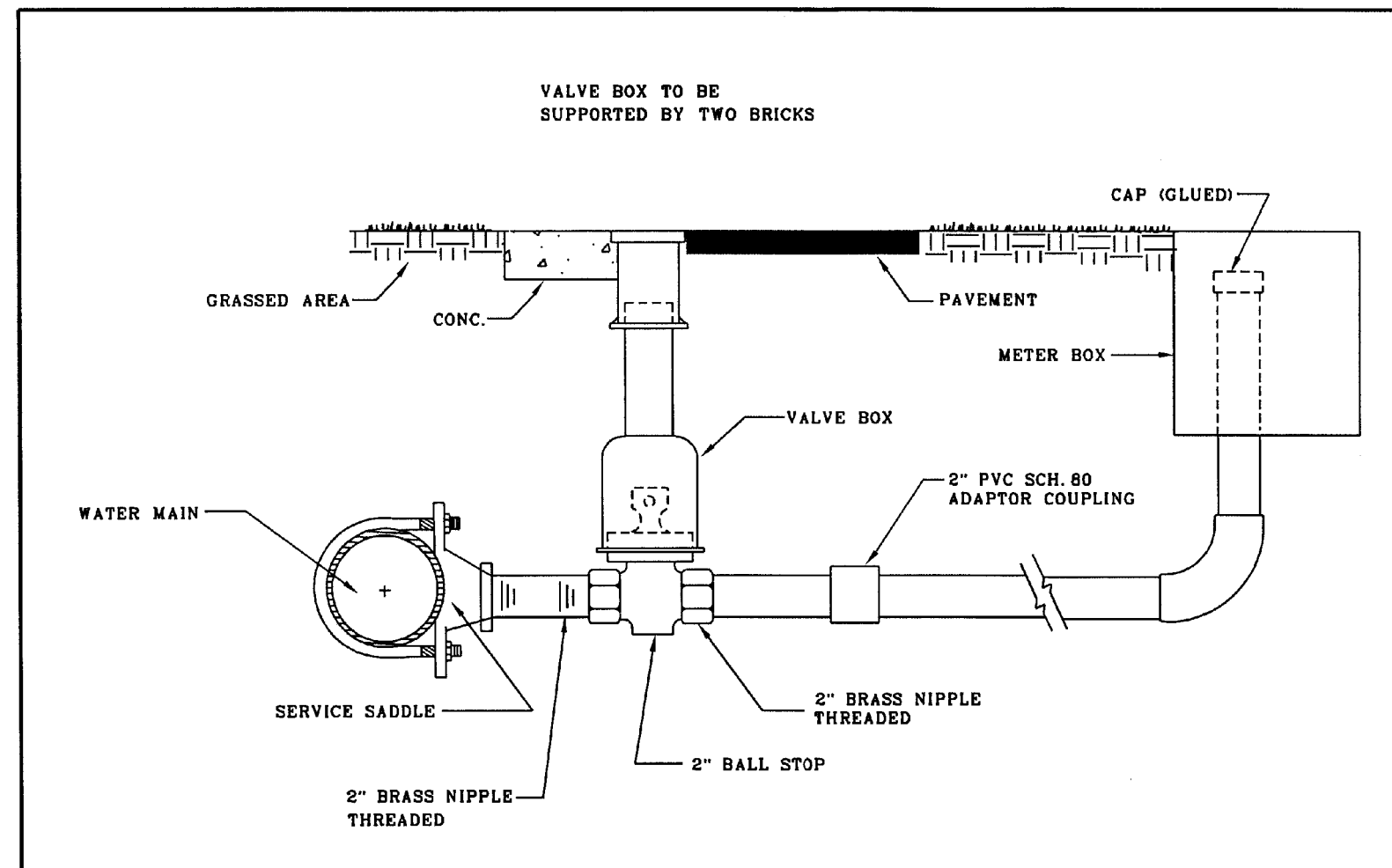
UTILITY CONSTRUCTION

WATER DETAILS

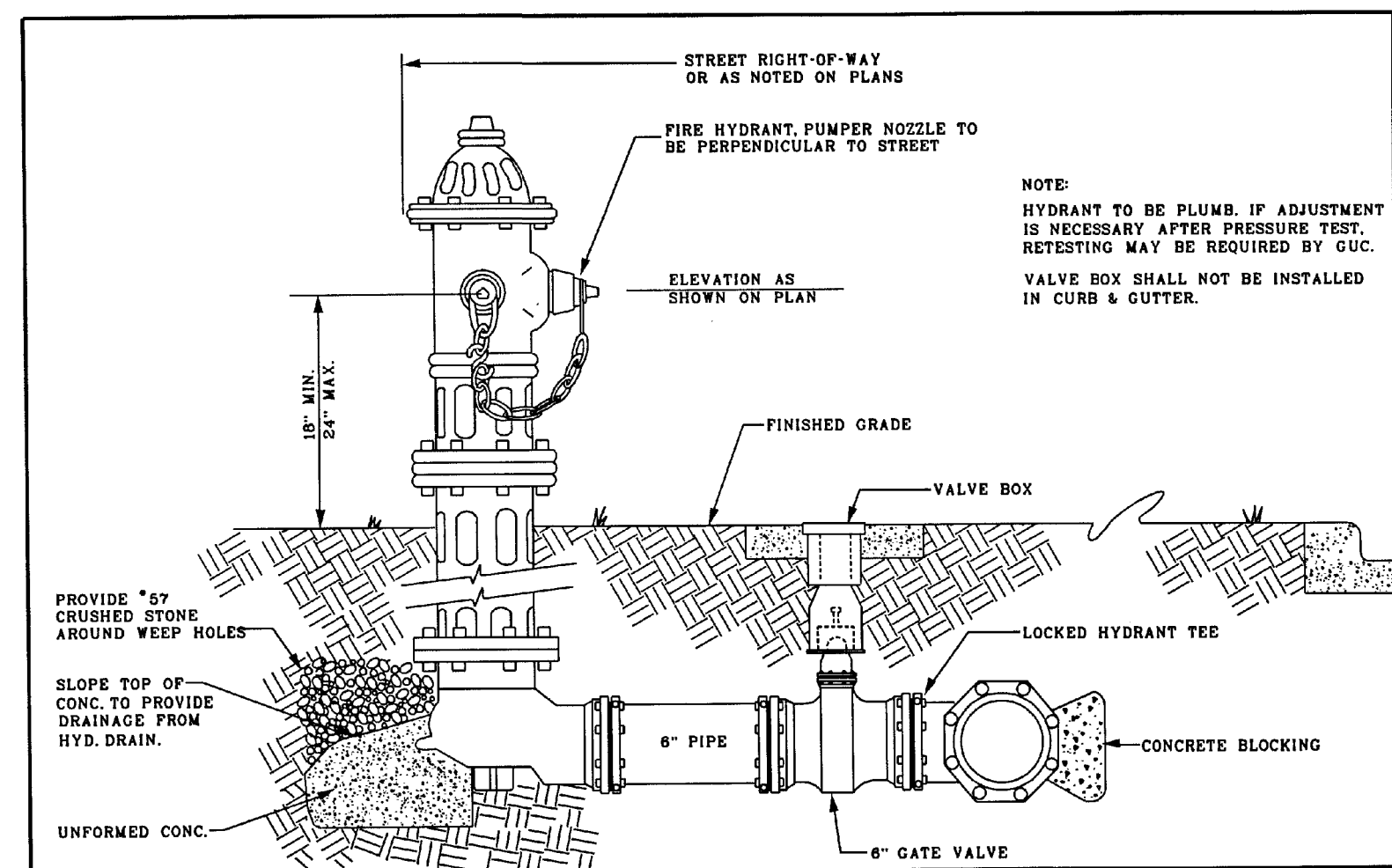
REVISIONS



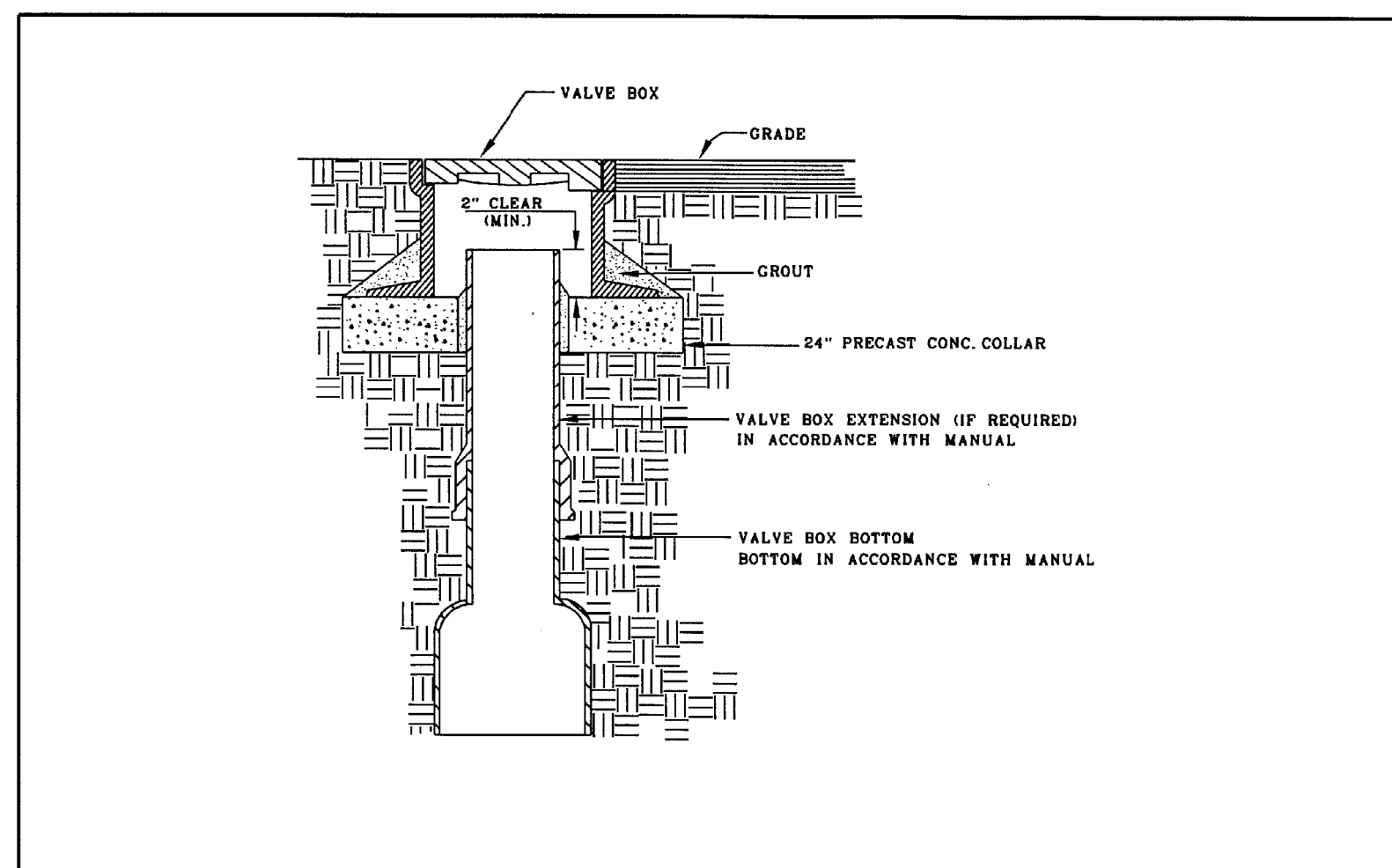
1" WATER SERVICE DETAIL FOR AREAS WITH CURB AND GUTTER		GREENVILLE UTILITIES GREENVILLE, N.C.	NO.	DATE	DESCRIPTION
SHEET	DWG. NO. W-1	DWG. N. WOOTEN			
1 OF 1	DATE 3-12-99	APP. H. COREY			



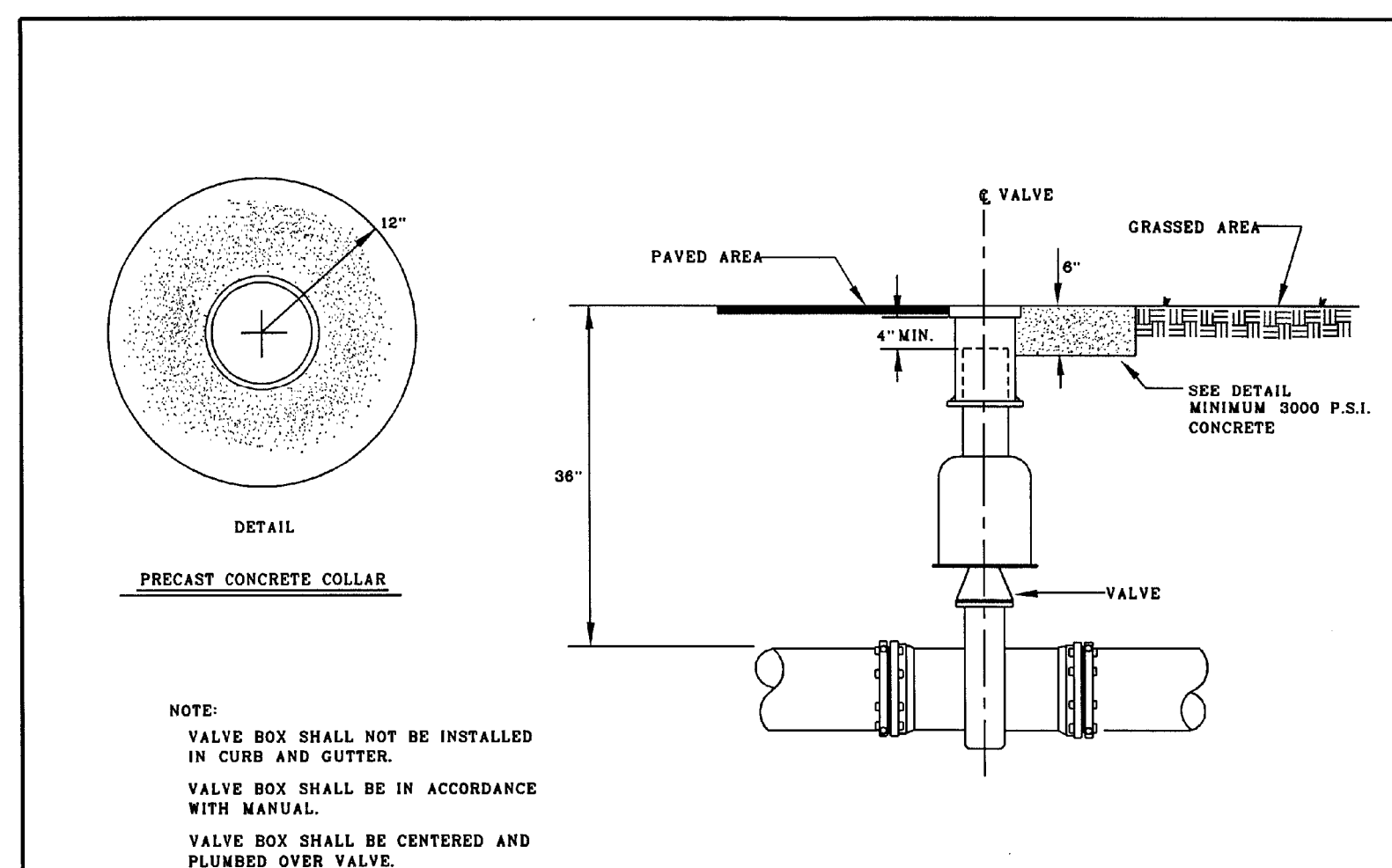
TYPICAL 1-1/2" AND 2" WATER SERVICE CONNECTION		GREENVILLE UTILITIES GREENVILLE, N.C.	NO.	DATE	DESCRIPTION
SHEET	DWG. NO. W-3	DWG. N. WOOTEN			
1 OF 1	DATE 3-12-99	APP. H. COREY			



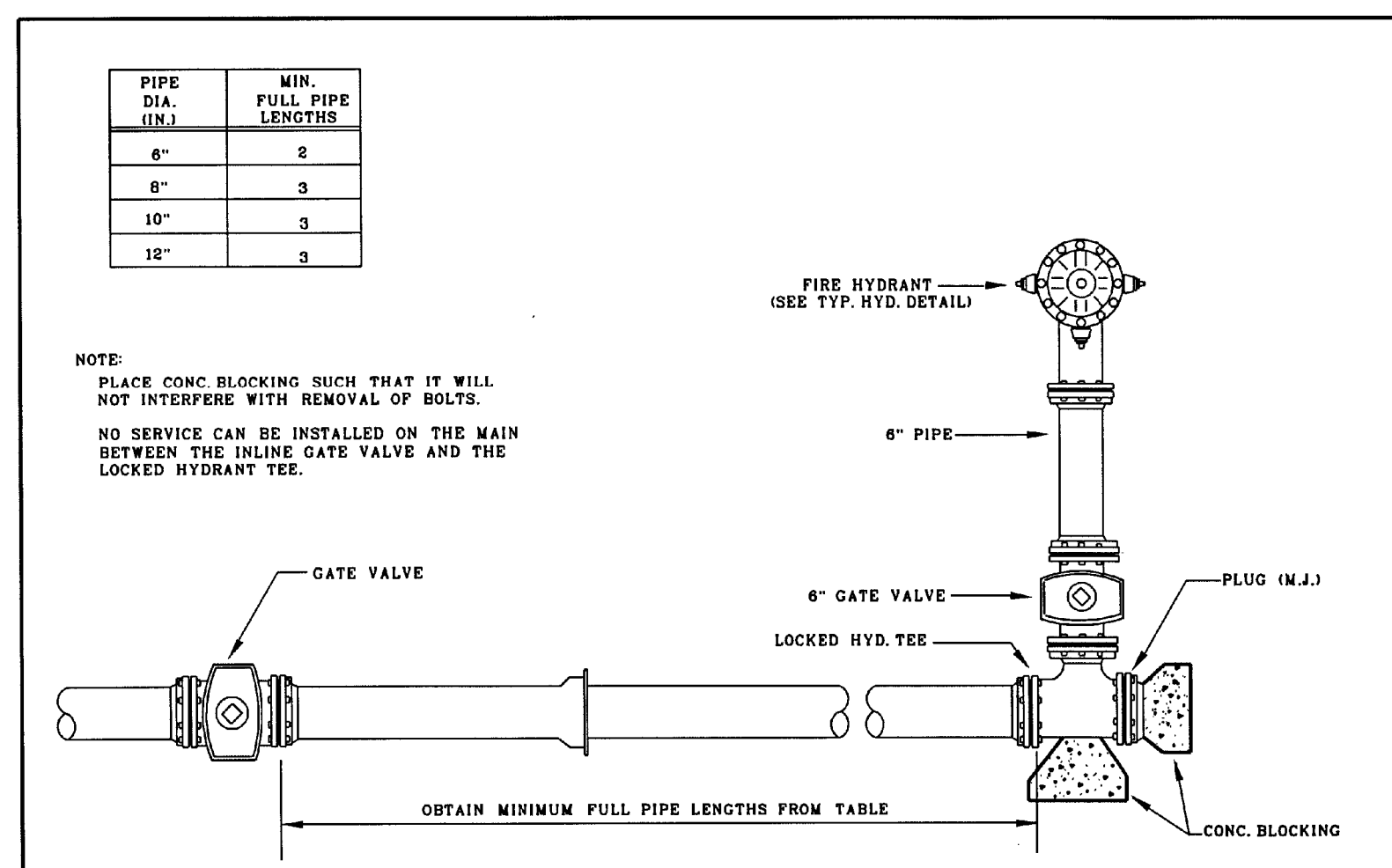
FIRE HYDRANT INSTALLATION (FOR AREAS WITH CURB AND GUTTER)		GREENVILLE UTILITIES GREENVILLE, N.C.	NO.	DATE	DESCRIPTION
SHEET	DWG. NO. W-4	DWG. N. WOOTEN			
1 OF 1	DATE 3-12-99	APP. H. COREY			



VALVE BOX DETAIL FOR VALVES 12" AND LARGER		GREENVILLE UTILITIES GREENVILLE, N.C.	NO.	DATE	DESCRIPTION
SHEET	DWG. NO. W-6	DWG. N. WOOTEN			
1 OF 1	DATE 3-12-99	APP. H. COREY			



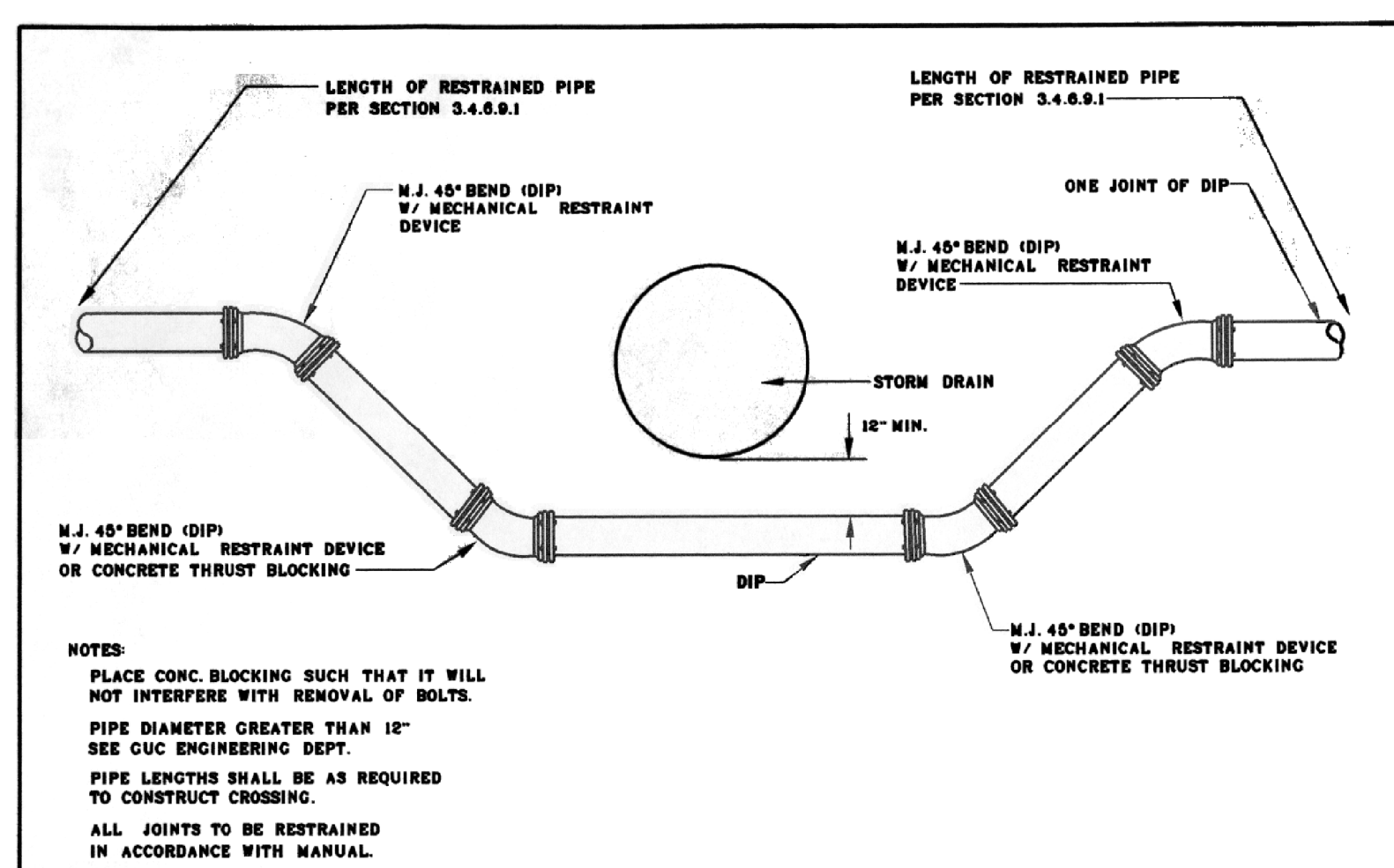
VALVE BOX DETAIL FOR VALVES SMALLER THAN 12"		GREENVILLE UTILITIES GREENVILLE, N.C.	NO.	DATE	DESCRIPTION
SHEET	DWG. NO. W-7	DWG. N. WOOTEN			
1 OF 1	DATE 3-12-99	APP. H. COREY			



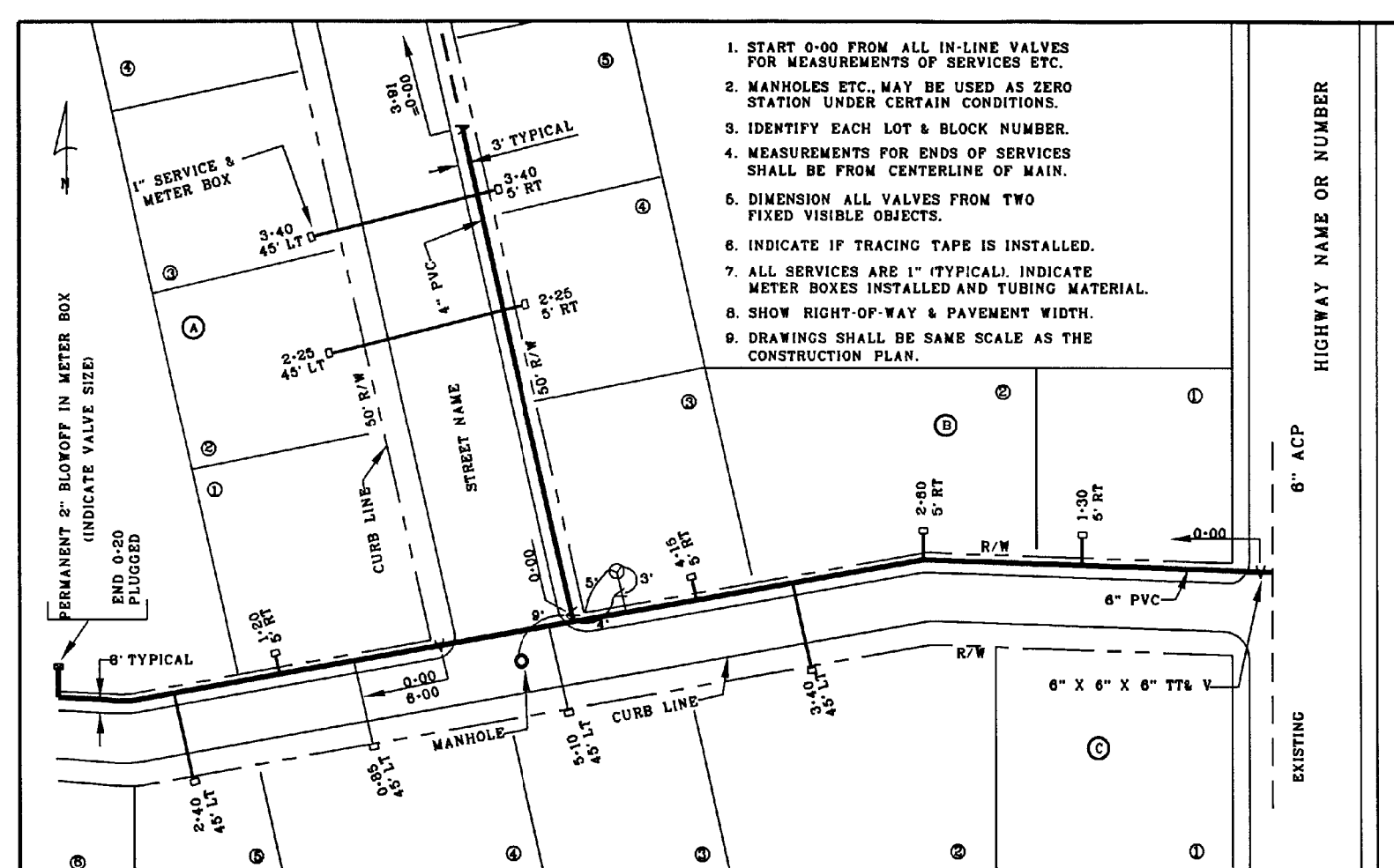
TERMINATION OF 6" - 12" WATER MAIN		GREENVILLE UTILITIES GREENVILLE, N.C.	NO.	DATE	DESCRIPTION
SHEET	DWG. NO. W-8	DWG. N. WOOTEN			
1 OF 1	DATE 3-12-99	APP. H. COREY			

RESULTANT THRUST AT FITTING AT 150 PSI WATER PRESSURE		TYPES OF THRUST BLOCKING	
NON PIPE DIA.	DEAD END	45° BEND	90° BEND
4"	2,700	3,800	2,100
6"	5,600	8,000	4,300
8"	9,700	13,800	7,400
10"	14,500	20,500	11,100
12"	20,500	29,000	15,700
14"	27,600	39,000	21,100
16"	35,700	50,400	27,300
18"	44,800	63,400	34,400
20"	55,000	77,000	42,100
24"	78,500	110,000	60,000
30"	120,600	170,600	92,300
36"	172,800	244,400	132,500
42"	232,300	330,000	178,800
48"	304,000	430,000	232,700
54"	384,100	543,200	294,000

THRUST BLOCKING DETAIL		GREENVILLE UTILITIES GREENVILLE, N.C.	NO.	DATE	DESCRIPTION
SHEET	DWG. NO. W-12	DWG. N. WOOTEN			
1 OF 1	DATE 3-12-99	APP. H. COREY			



WATER MAIN AND STORM DRAIN CROSSING		GREENVILLE UTILITIES GREENVILLE, N.C.	NO.	DATE	DESCRIPTION
SHEET	DWG. NO. W-14	DWG. N. WOOTEN			
1 OF 1	DATE 3-12-99	APP. H. COREY			



TYPICAL WATER SYSTEM AS BUILT		GREENVILLE UTILITIES GREENVILLE, N.C.	NO.	DATE	DESCRIPTION
SHEET	DWG. NO. W-18	DWG. N. WOOTEN			
1 OF 1	DATE 3-12-99	APP. H. COREY			

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