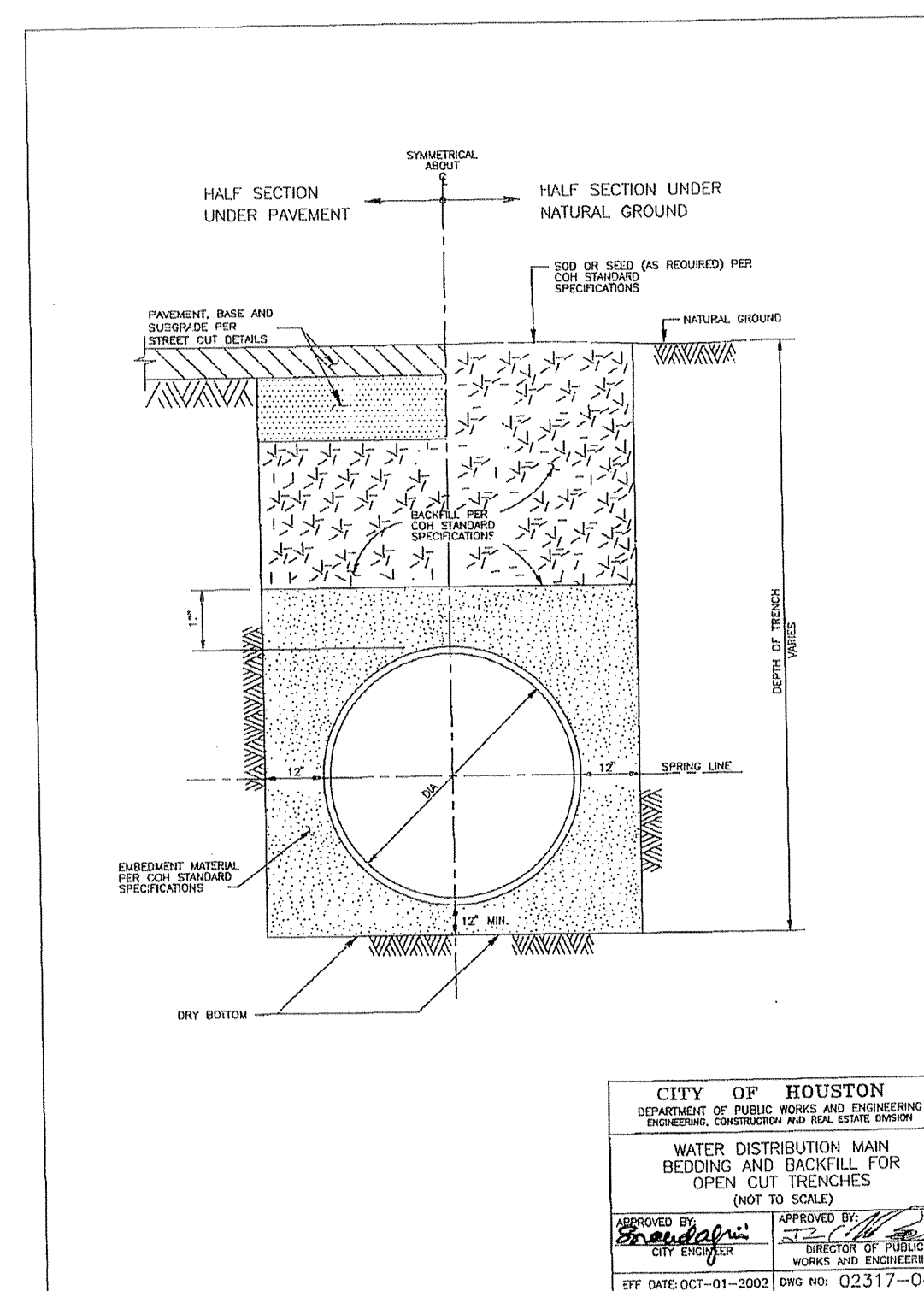
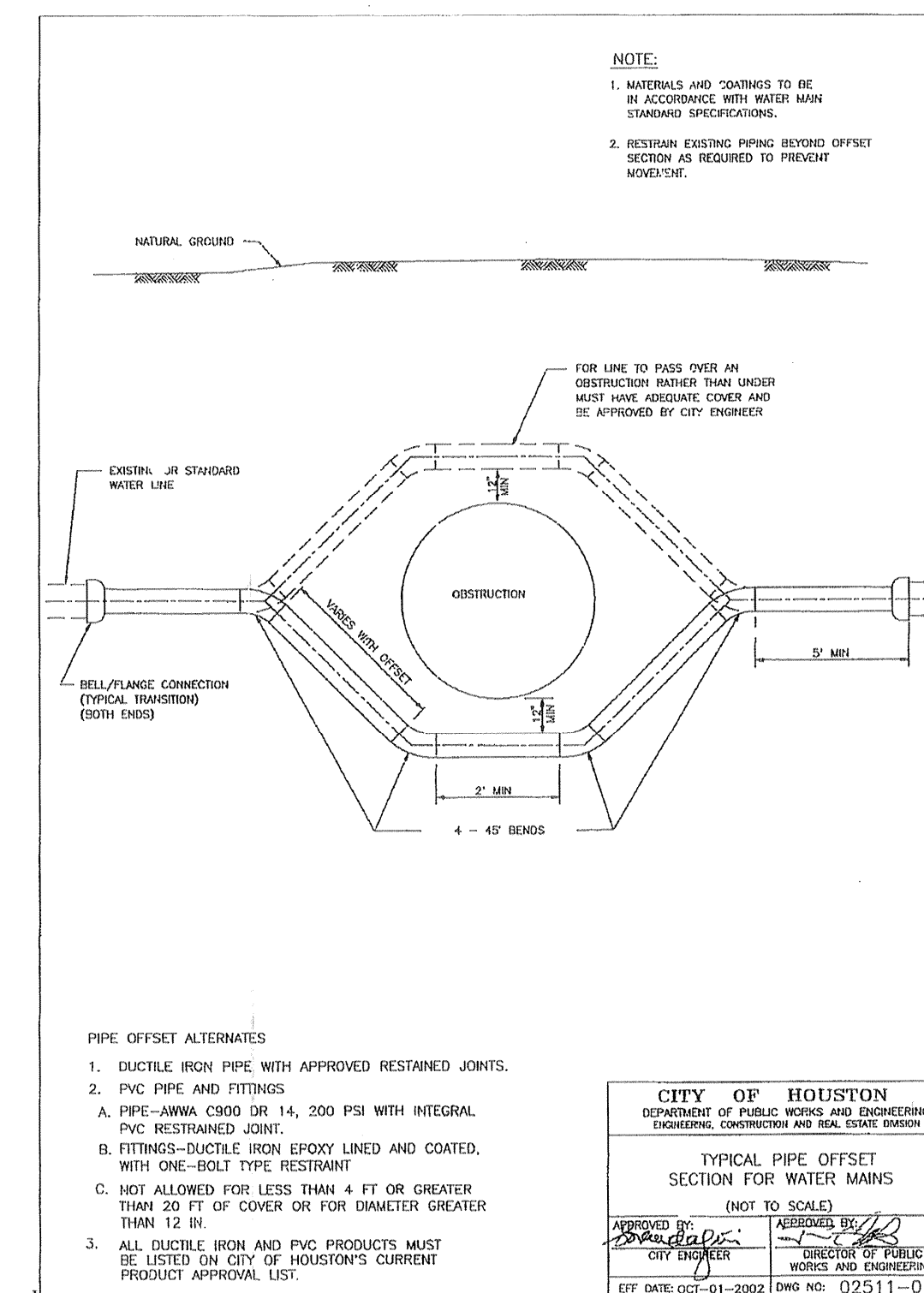
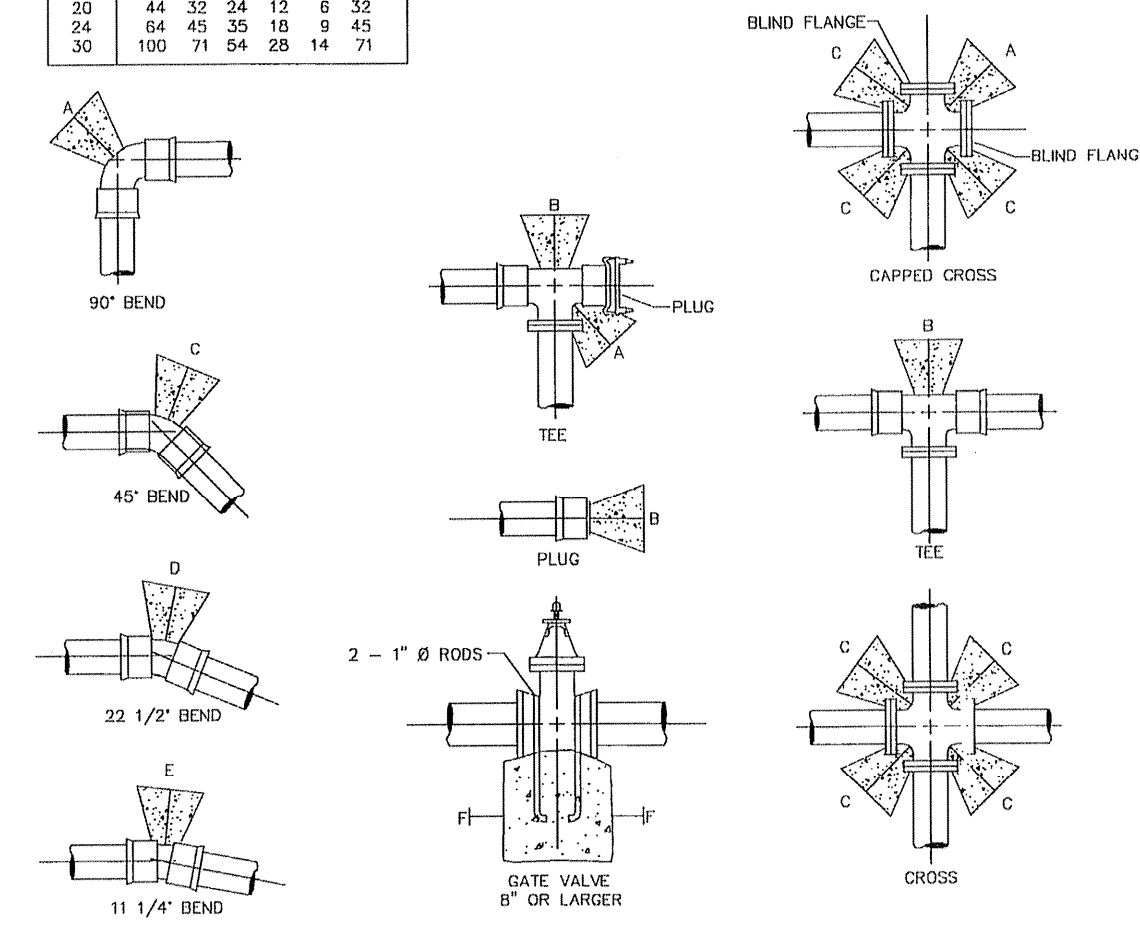


PIPE SIZE (IN.)	MINIMUM BEARING AREA AGAINST UNDISTURBED SOIL (SQ. FT.)					
	A	B	C	D	E	F
4	2	2	1	1	1	2
6	4	3	3	1	1	3
8	6	4	2	1	1	5
10	12	8	6	3	2	8
12	18	12	8	4	2	12
14	22	15	12	6	3	15
16	28	20	16	8	4	20
18	36	25	20	10	5	25
20	44	32	24	12	6	32
24	64	45	35	18	9	45
30	100	71	54	28	14	71

- NOTES:**
1. THRUST IS BASED ON A WORKING PRESSURE OF 150 P.S.I.
 2. BEARING AREA IS BASED ON A SAFE SOIL BEARING LOAD OF 1000 P.S.F.
 3. BLOCKING SHALL BEAR AGAINST FITTINGS ONLY AND SHALL BE CLEAR OF THE JOINT.



PIPE TAPPING SCHEDULE

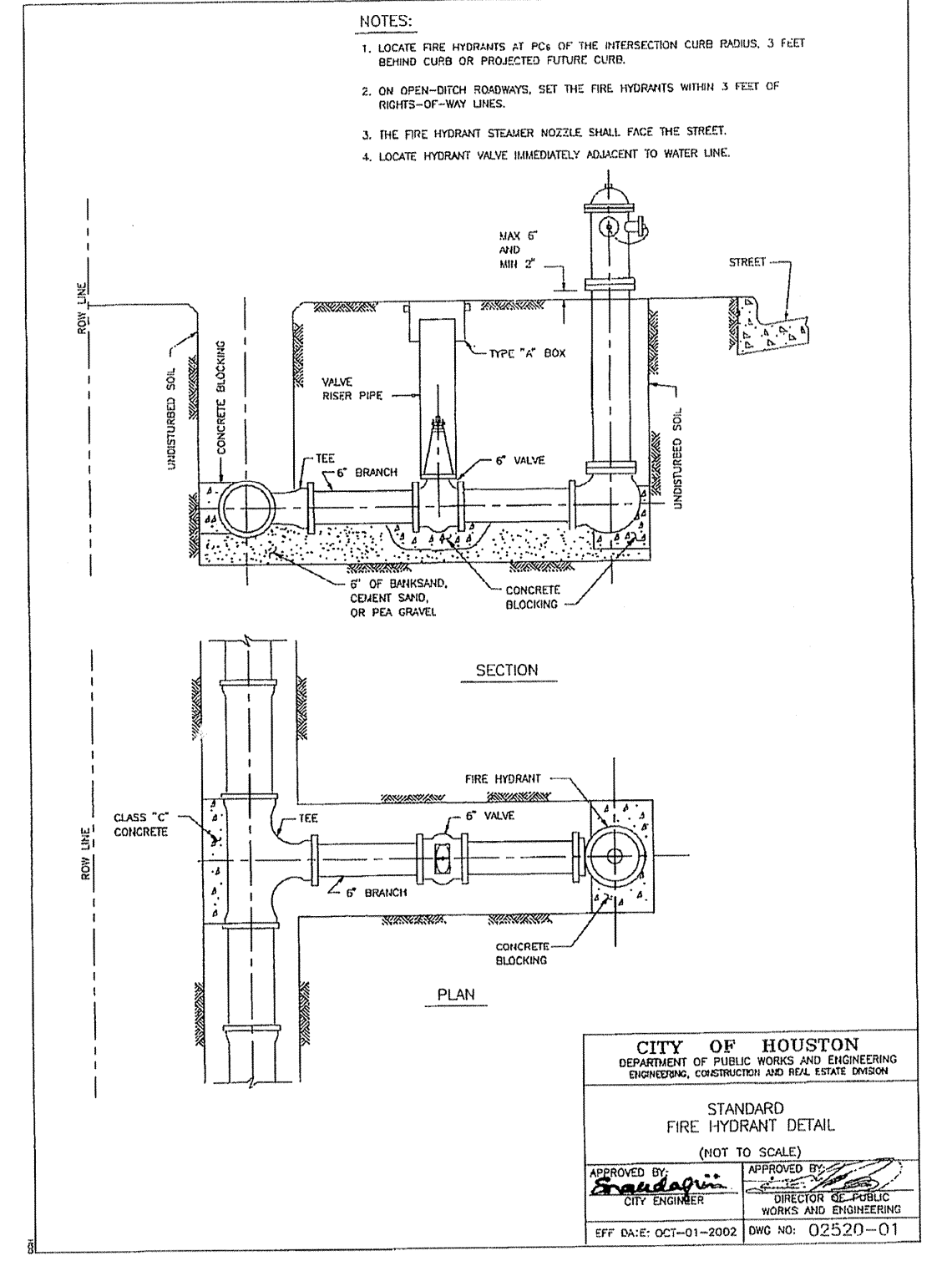
WATER MAIN TYPE AND DIAMETER	SERVICE SIZE			
	3/4"	1"	1 1/2"	2"
6" DUCTILE IRON OR DUCTILE IRON	DSS, WBS	DSS, WBS	DSS, WBS	DSS, WBS
4" ASBESTOS (EXISTING) CEMENT	WBS	WBS	DSS, WBS	DSS, WBS
4" PVC (AWWA C900)	DSS, WBS	DSS, WBS	DSS, WBS	DSS, WBS
6" AND 8" CAST IRON OR DUCTILE IRON	DSS, WBS	DSS, WBS	DSS, WBS	DSS, WBS
6" AND 8" ASBESTOS (EXISTING) CEMENT	DSS, WBS	DSS, WBS	DSS, WBS	DSS, WBS
6" AND 8" CAST IRON OR DUCTILE IRON	DSS, WBS	DSS, WBS	DSS, WBS	DSS, WBS
6" AND 8" PVC (AWWA C900)	DSS, WBS	DSS, WBS	DSS, WBS	DSS, WBS
12" CAST IRON OR DUCTILE IRON	DSS, WBS	DSS, WBS	DSS, WBS	DSS, WBS
12" ASBESTOS (EXISTING) CEMENT	DSS, WBS	DSS, WBS	DSS, WBS	DSS, WBS
12" PVC (AWWA C900)	DSS, WBS	DSS, WBS	DSS, WBS	DSS, WBS
16" AND UP CAST IRON OR DUCTILE IRON	DWSS	DWSS	DWSS	DWSS
16" AND UP ASBESTOS (EXISTING) CEMENT	DWSS	DWSS	DWSS	DWSS
16" AND UP PVC (AWWA C900)	DWSS	DWSS	DWSS	DWSS

DSS - DUAL STRAP SADDLES
WBS - WIDE BAND STRAP SADDLES
DWSS - DUAL WIDE BAND STRAP SADDLES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION

SERVICE TAPS (NOT TO SCALE)

APPROVED BY: *[Signature]* **BOBBY K. WILSON**
CITY ENGINEER
OFF. DATE: OCT-01-2002 DWG NO. 02512-02



VILLAS AT WILLOWBROOK

WATER DETAILS

WATER	WASTEWATER	TRAFFIC
ST. & BRIDGE	STORMWATER	SWQ

FILE NO: _____

DRAWING SCALE: N/A

SCALE: NONE

SHEET No: 16 OF 24

APPROVED BY: *[Signature]* **BOBBY K. WILSON**
CITY ENGINEER
OFF. DATE: OCT-01-2002 DWG NO. 02520-01

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