

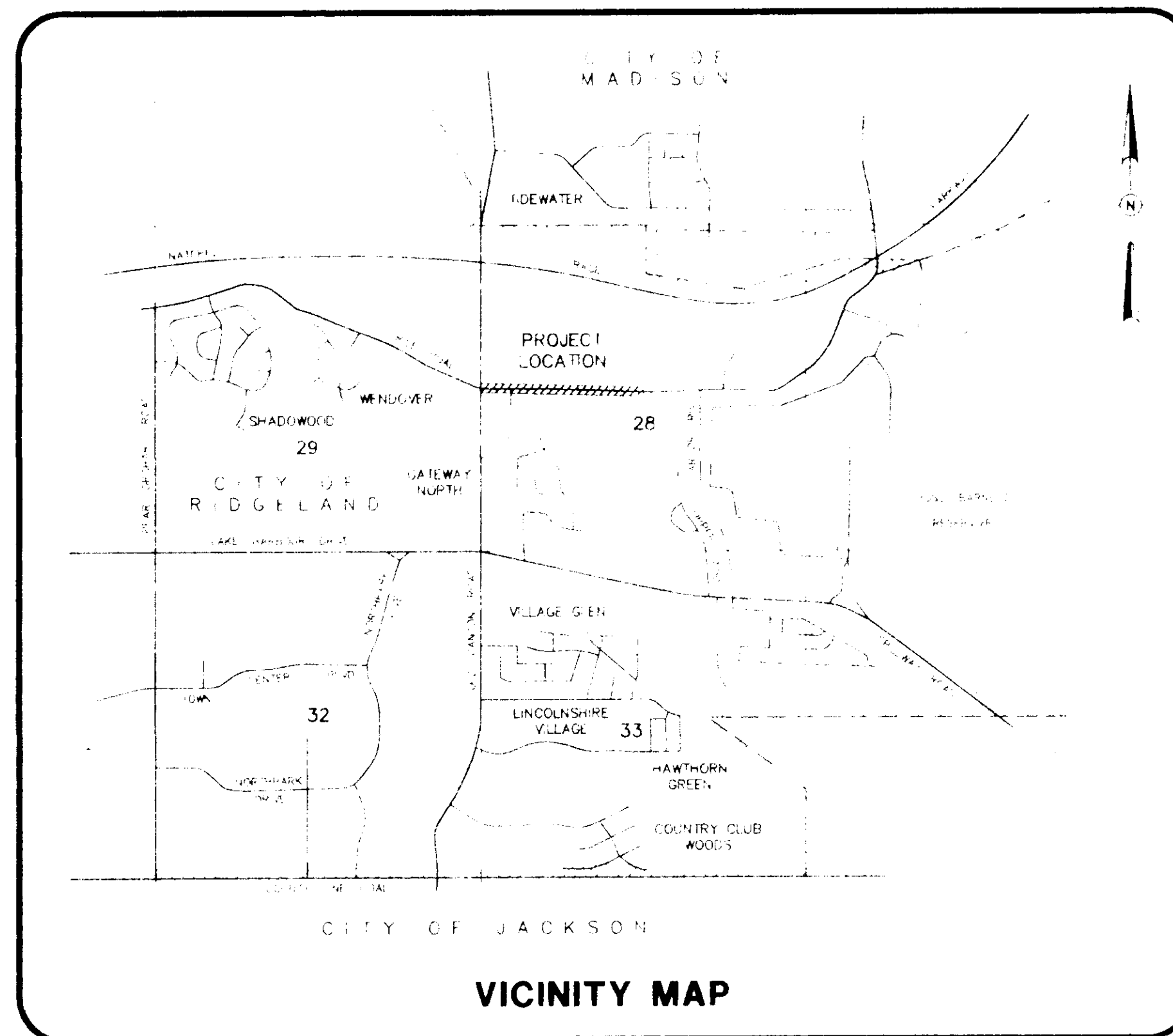
CONSTRUCTION PLANS FOR THE CITY OF RIDGELAND RICE ROAD WATER DISTRIBUTION SYSTEM

MAYOR:
GENE F. McGEE

MAYOR PRO TEM:
CHUCK KORBERT

CITY ATTORNEY:
JERRY MILLS

ALDERMEN:
JOE BARLOW
AL BIBLE
HARVEY CARR, JR.
LINDA DAVIS
CHUCK KORBERT
DARYL SMITH



PUBLIC WORKS DIRECTOR:
SAM VINSON, P.E.

ASST. PUBLIC WORKS DIRECTOR:
SID HAWTHORNE

CITY CLERK:
MICHAEL McPHEARSON

FIRE CHIEF:
ELMER WAITS

POLICE CHIEF:
CHARLES NEWELL

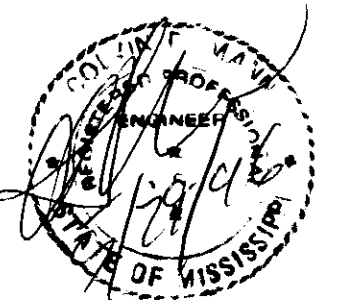
DRAWING INDEX

- 1 -- COVER SHEET
- 2 -- PLAN AND PROFILE -- 8" WATER MAIN (STA. 0+00 TO STA. 12+00)
- 3 -- PLAN AND PROFILE -- 8" WATER MAIN (STA. 12+00 TO STA. 20+80)
- 4 -- STANDARD WATER DETAILS

RECEIVED

JUN 10 1996

PUBLIC WORKS DEPT



PWP-1830

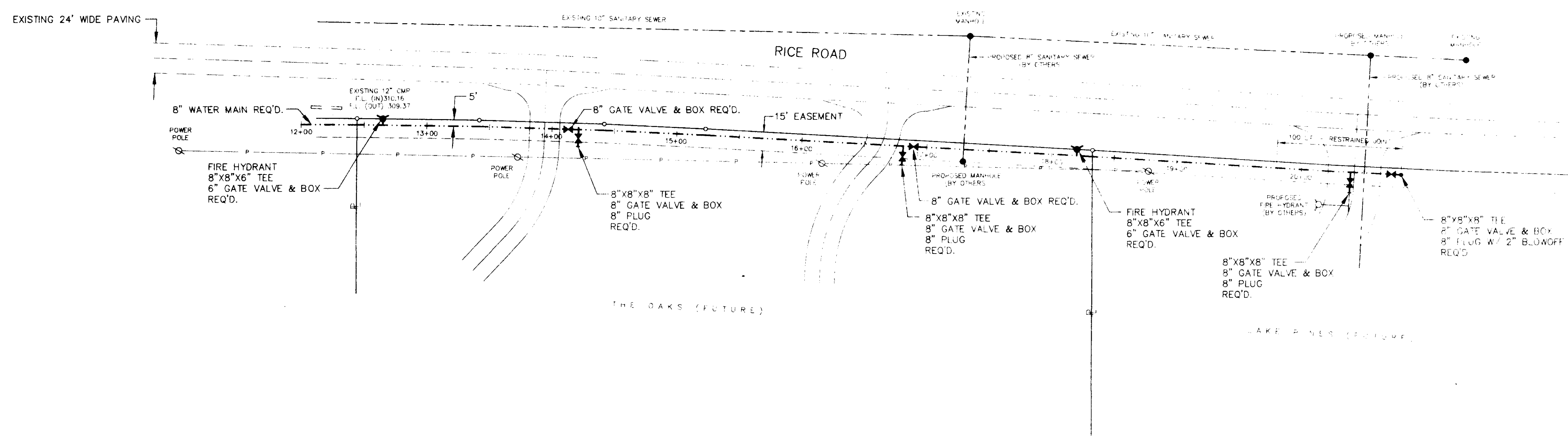
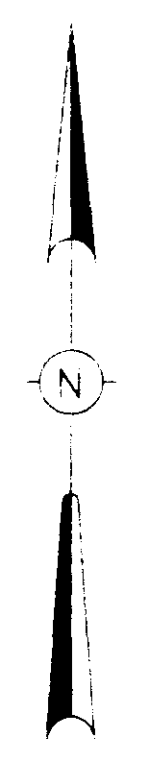
DRAWING NO. RW-COR

H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

CLIENT
THE CITY OF RIDGELAND

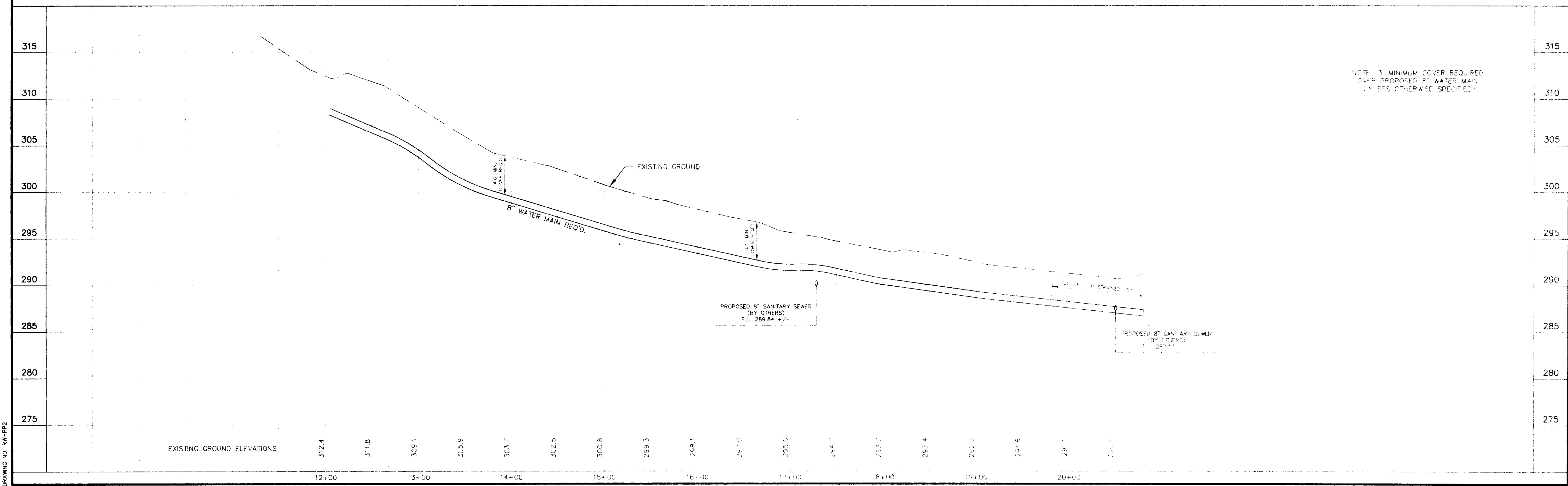
LOCATION
**SITUATED IN THE WEST 1/2 OF SECTION 28
TOWNSHIP 7 NORTH - RANGE 2 EAST
CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI**

DATE: _____ REVISION: _____
BY: _____ DATE: _____
SCALE: _____
PROJECT NO: 96-049



T.B.M. ELEVATION = 293.21
 NAIL IN POWER POLE = 44' SOUTH OF RICE ROAD
 AND 45' EAST OF NORTHEAST PROPERTY CORNER

- NOTES:
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
 - CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF RIDGELAND SPECIFICATIONS.



NOTE: 3' MINIMUM COVER REQUIRED OVER PROPOSED 8" WATER MAIN UNLESS OTHERWISE SPECIFIED

DRAWING NO. RW-PP2

H D LANG AND ASSOCIATES, INC.
 POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
 601-362-4886

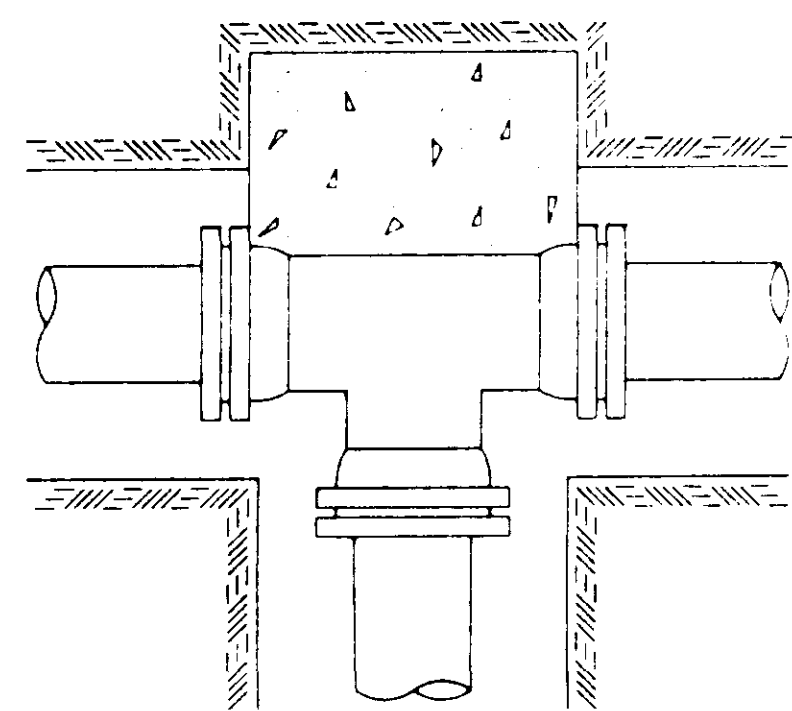
PROJECT: THE CITY OF RIDGELAND
 RICE ROAD WATER DISTRIBUTION SYSTEM

DESCRIPTION: PLAN AND PROFILE - 8" WATER MAIN
 STA. 12+00 TO STA. 20+80

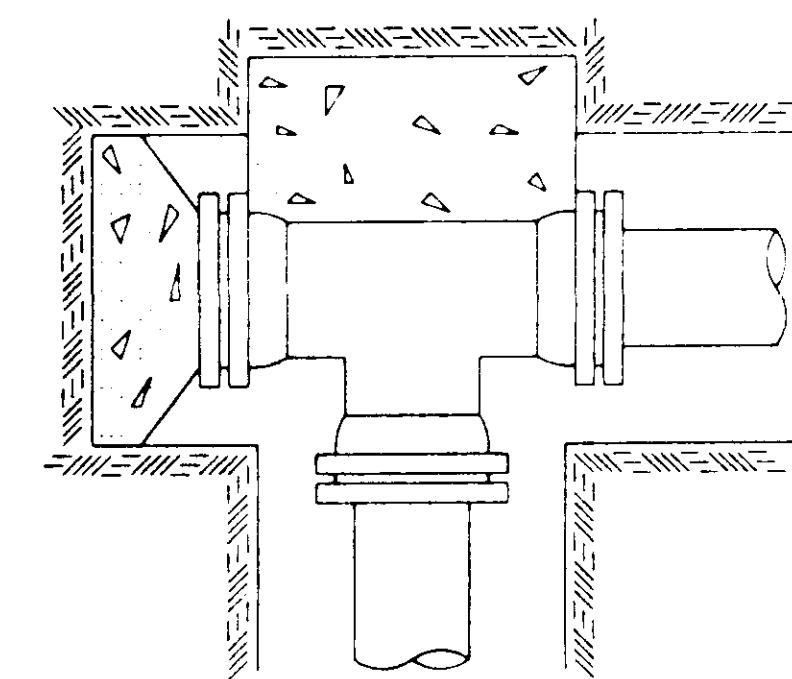
DATE: 5/29/96
 REVISION: ADD (2) 8" GATE VALVE & BOX
 SHOW PROPOSED FIRE HYDRANT BY OTHERS

BY: P.H.W.
 DRAWN BY: P.H.W.
 DATE: 5/28/96
 HORIZ.: 1"=50' / VERT.: 1"=5'
 BOOK: PAGE:
 PROJECT NO.: 96-049

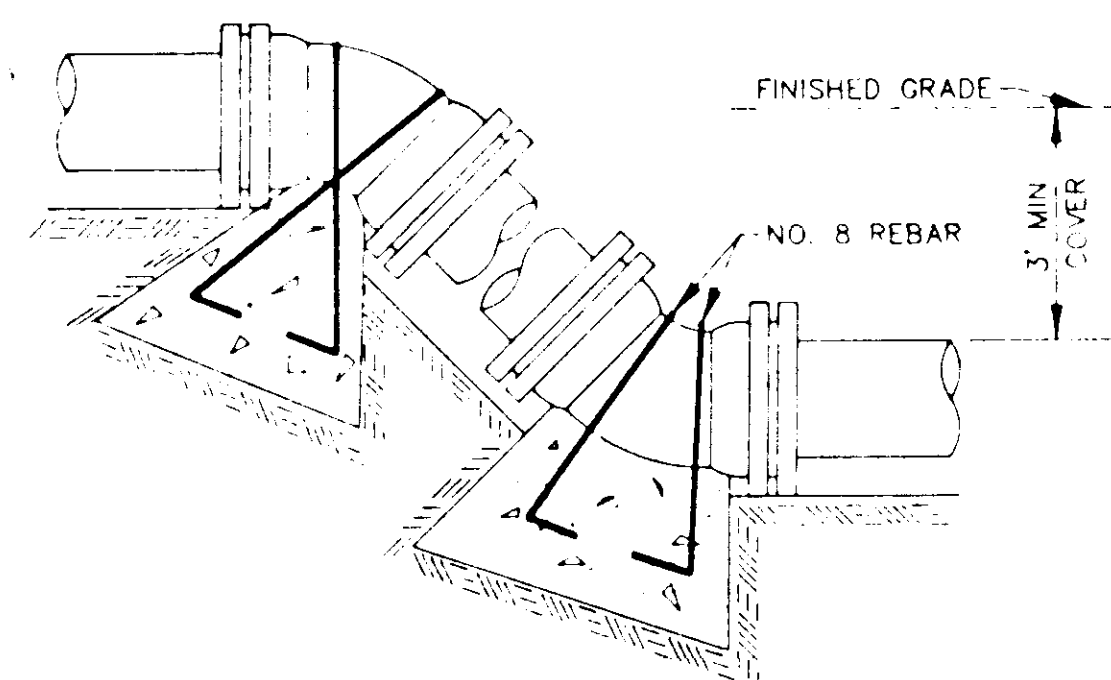
SHEET



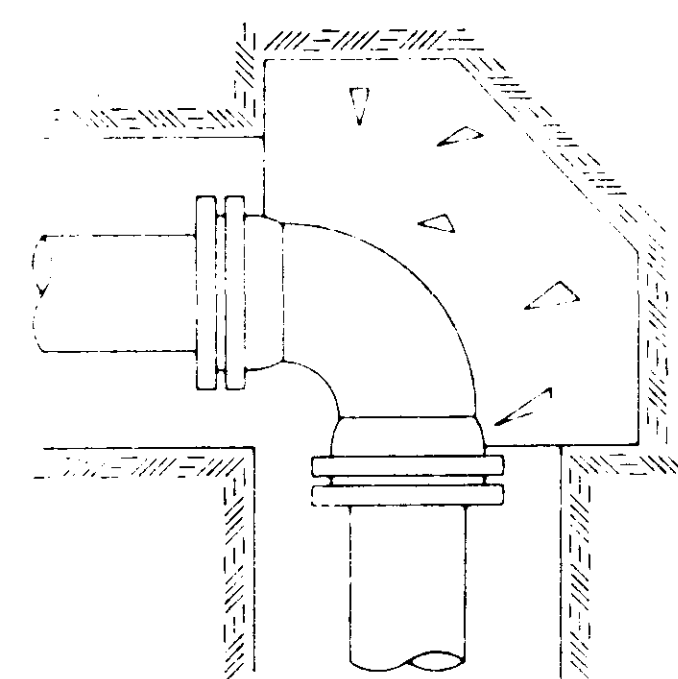
TEE



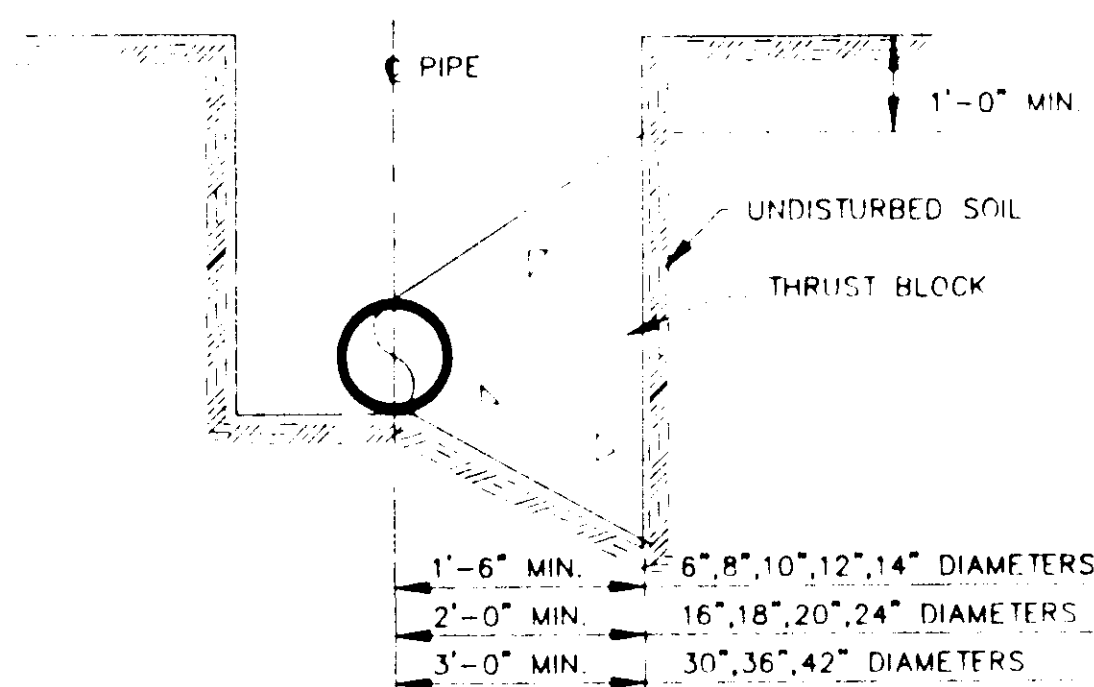
PLUGGED TEE



VERTICAL BENDS



90° BEND



TYPICAL CROSS SECTION

TYPICAL THRUST BLOCKING IN WATER MAINS AND SEWAGE FORCE MAINS

N.T.S.
NOTE: ALL THRUST BLOCKS 2,500 PSI CONCRETE AGAINST UNDISTURBED EARTH

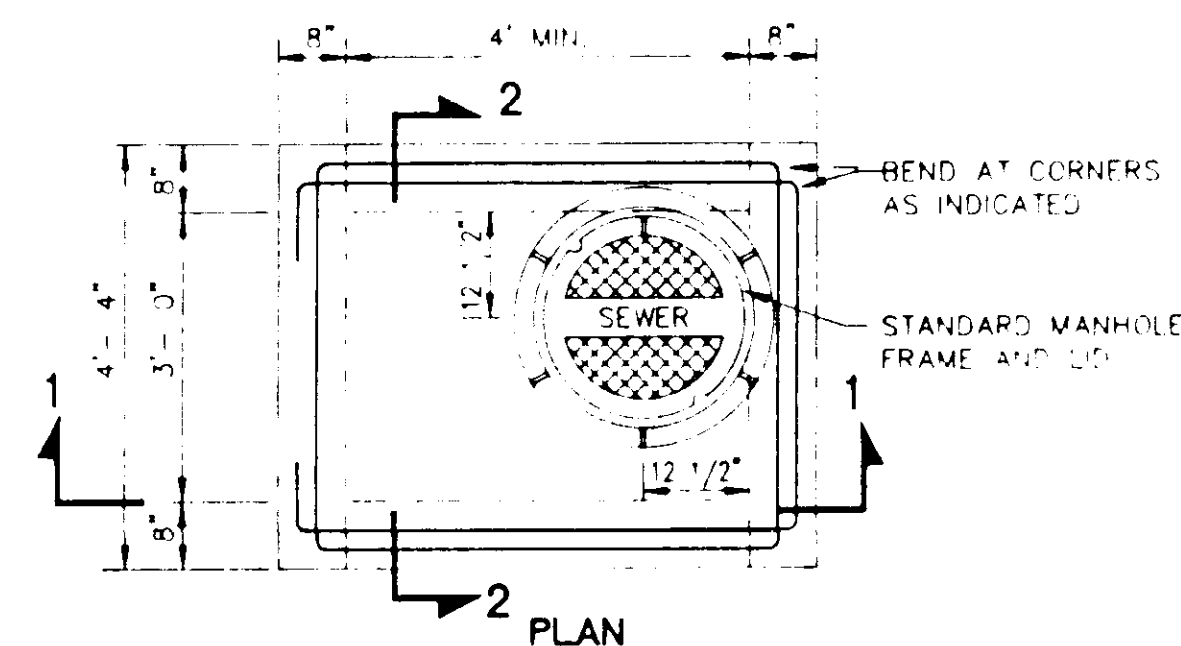
BEARING AREA IN SQ. FT.

NOMINAL PIPE DIAMETER (IN)	BEARING AREA IN SQ. FT.					NOMINAL PIPE DIAMETER (IN)	VERTICAL BENDS				
	DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND		DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
6	2.5	3.0	2.0	2.0	2.0	6	---	---	26.0(1.0)	14.0(5)	7.0(3)
8	4.0	6.0	3.0	2.0	2.0	8	---	---	45.0(1.7)	25.0(9)	13.0(5)
10	6.0	9.0	5.0	2.5	2.0	10	---	---	68.0(2.5)	37.0(1.4)	19.0(7)
12	9.0	11.0	6.0	3.5	2.0	12	---	---	97.0(3.6)	52.0(1.9)	27.0(1.0)
14	12.0	18.0	9.0	5.0	2.5	14	---	---	130(4.8)	70.0(2.6)	36.0(1.3)
16	16.0	22.5	12.0	6.0	3.0	16	---	---	168(6.2)	91.0(3.4)	46.0(1.7)
18	20.0	28.0	15.0	8.0	4.0	18	---	---	211(7.8)	114(4.2)	58.0(2.2)
20	24.5	34.0	19.0	10.0	5.0	20	---	---	259(9.6)	140(5.2)	72.0(2.6)
24	35.0	49.0	27.0	14.0	7.0	24	---	---	370(13.7)	200(7.4)	102(3.8)
30	54.0	76.0	41.0	21.0	10.0	30	---	---	568(21.1)	308(11.4)	156(5.8)
36	77.0	108.0	59.0	30.0	15.0	36	---	---	814(30.1)	440(16.3)	225(8.3)
42	104.0	146.0	79.0	40.0	20.0	42	---	---	1100(40.7)	595(22.0)	303(11.2)

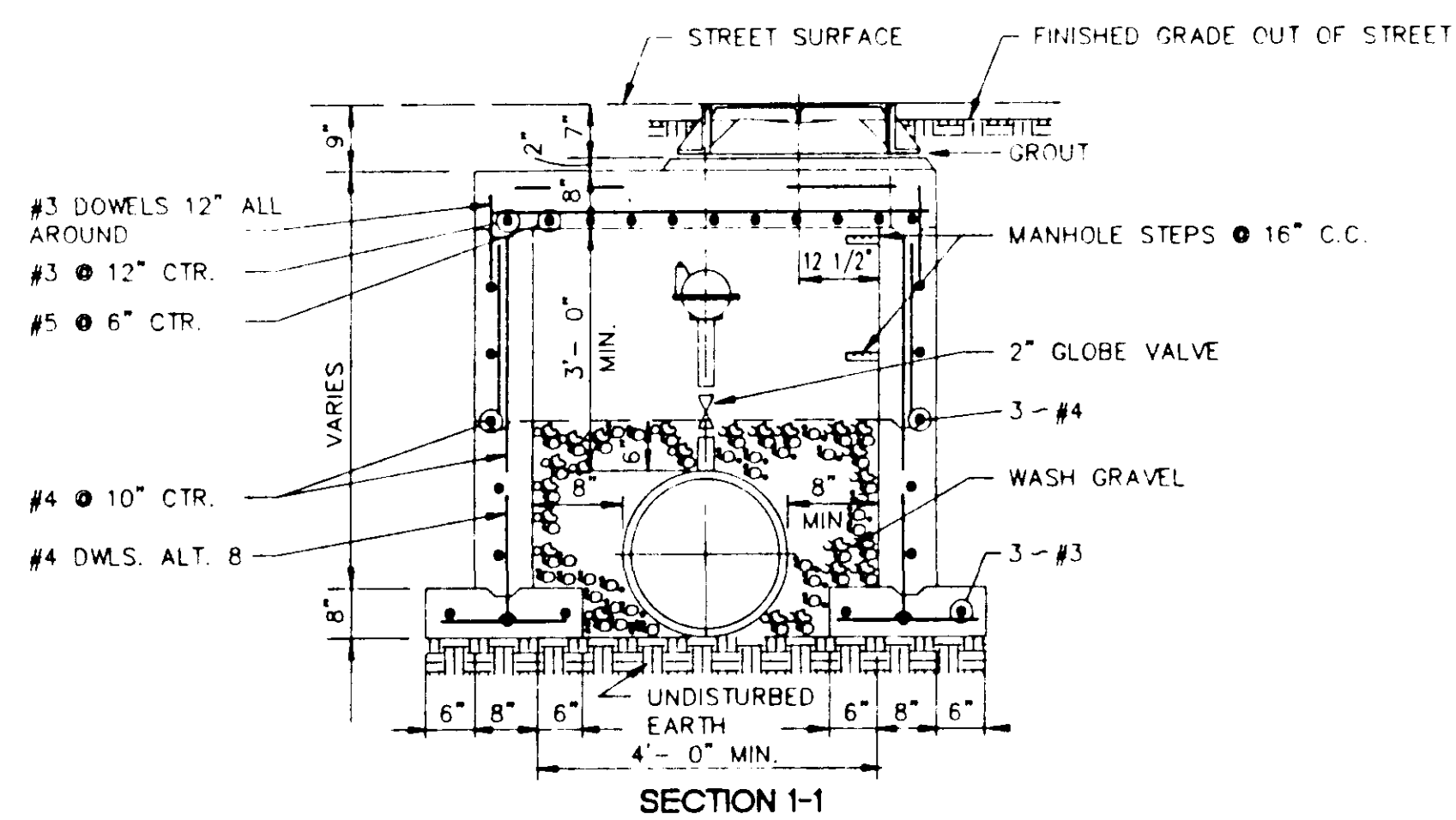
VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)

NOTE: ABOVE VALUES CALCULATED USING P=100 AND ALLOWANCE SOIL BRG. = 1500 PSF. FOR DIFFERENT P, MULTIPLY ABOVE VALUES BY P/100. FOR DIFFERENT SOIL BRG, MULTIPLY ABOVE VALUES BY 1500/S.B.

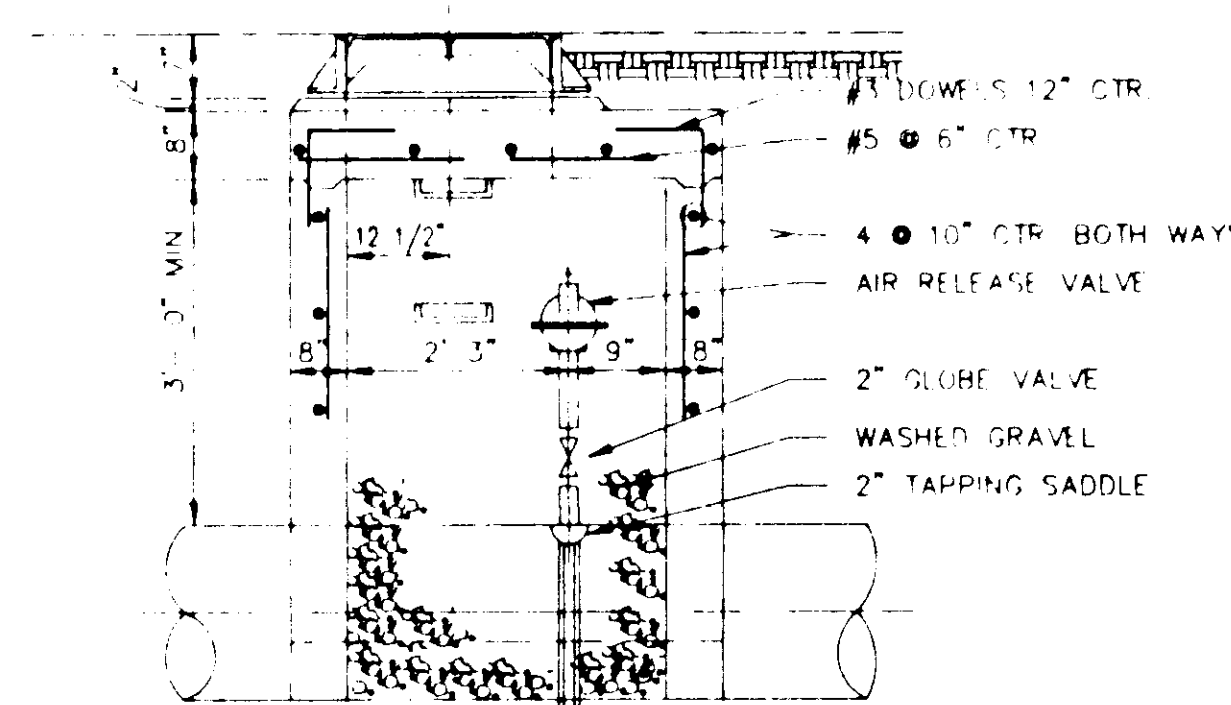
NOTE: ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS.) THE VALUES WERE CALCULATED USING A P=100 PSI AND A S.F.=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



PLAN



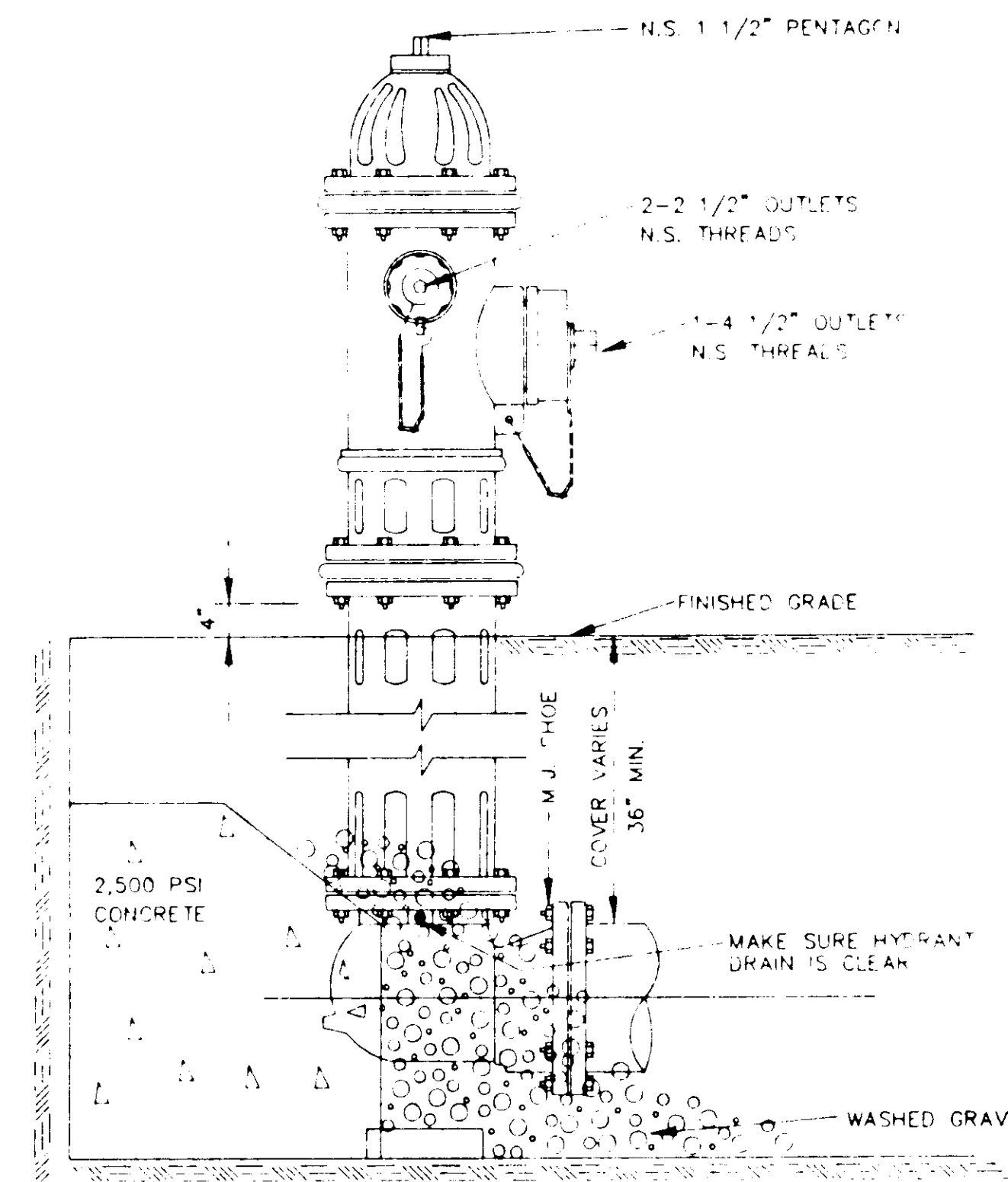
SECTION 1-1



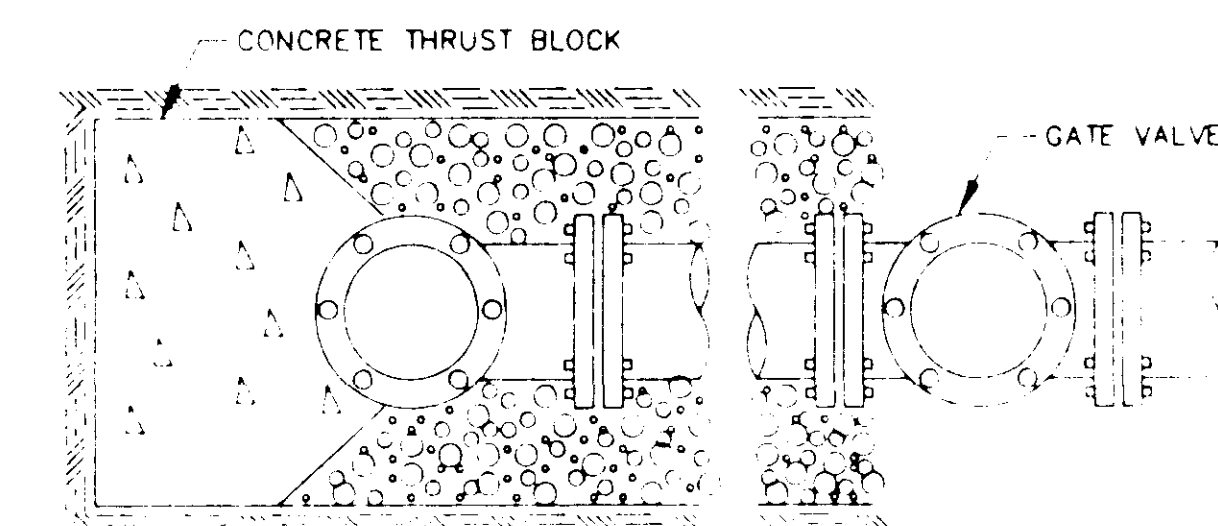
SECTION 2-2

TYPICAL AIR OR AIR VACCUUM RELEASE VALVE INSTALLATION WITH MANHOLE

NOT TO SCALE



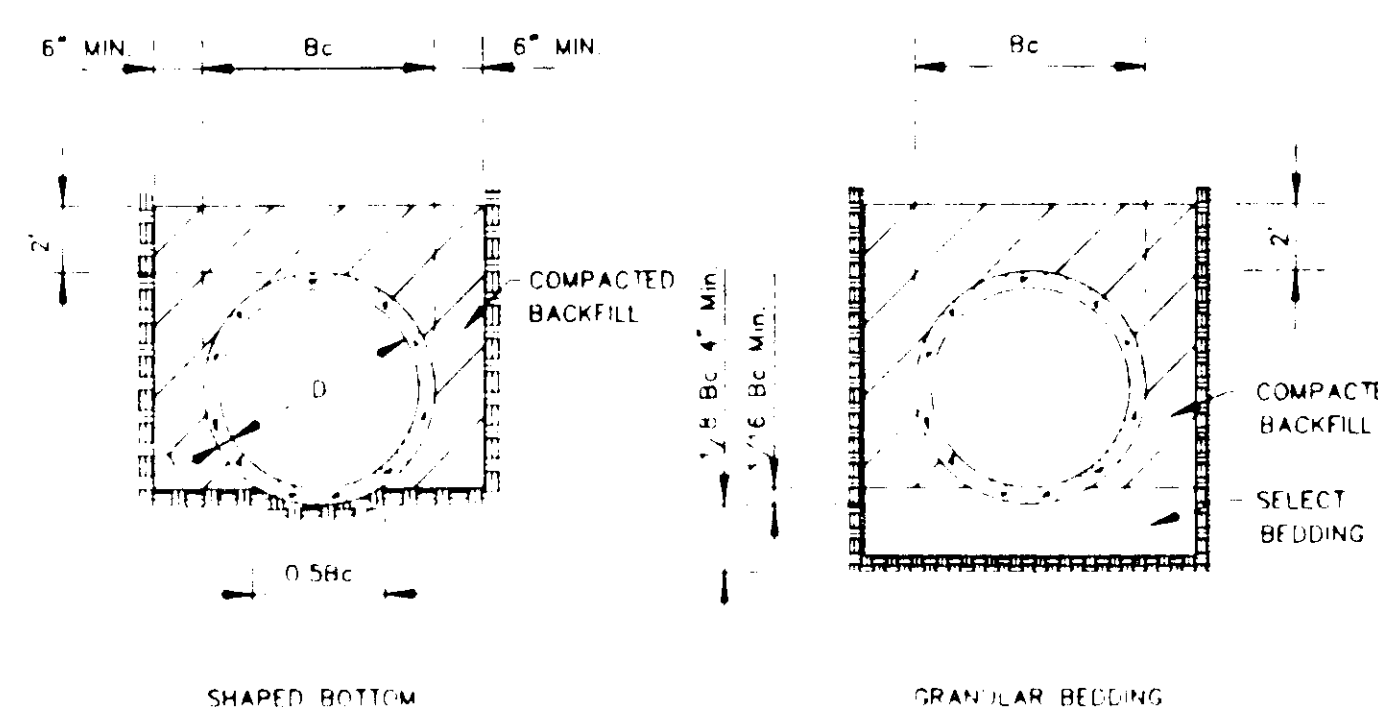
ELEVATION



PLAN

TYPICAL FIRE HYDRANT INSTALLATION

NOTE: GATE VALVES WILL BE REQUIRED ON ALL FIRE HYDRANT LEGS N.T.S. ANCHOR COUPLINGS REQ'D.



TYPICAL TRENCH DETAILS

N.T.S.

CITY OF RIDGELAND, MS.

STANDARD DETAILS

DSGN			DRAWING NO
DRWN			OF
CHKD			
SCALE			