

AS-BUILT PLANS

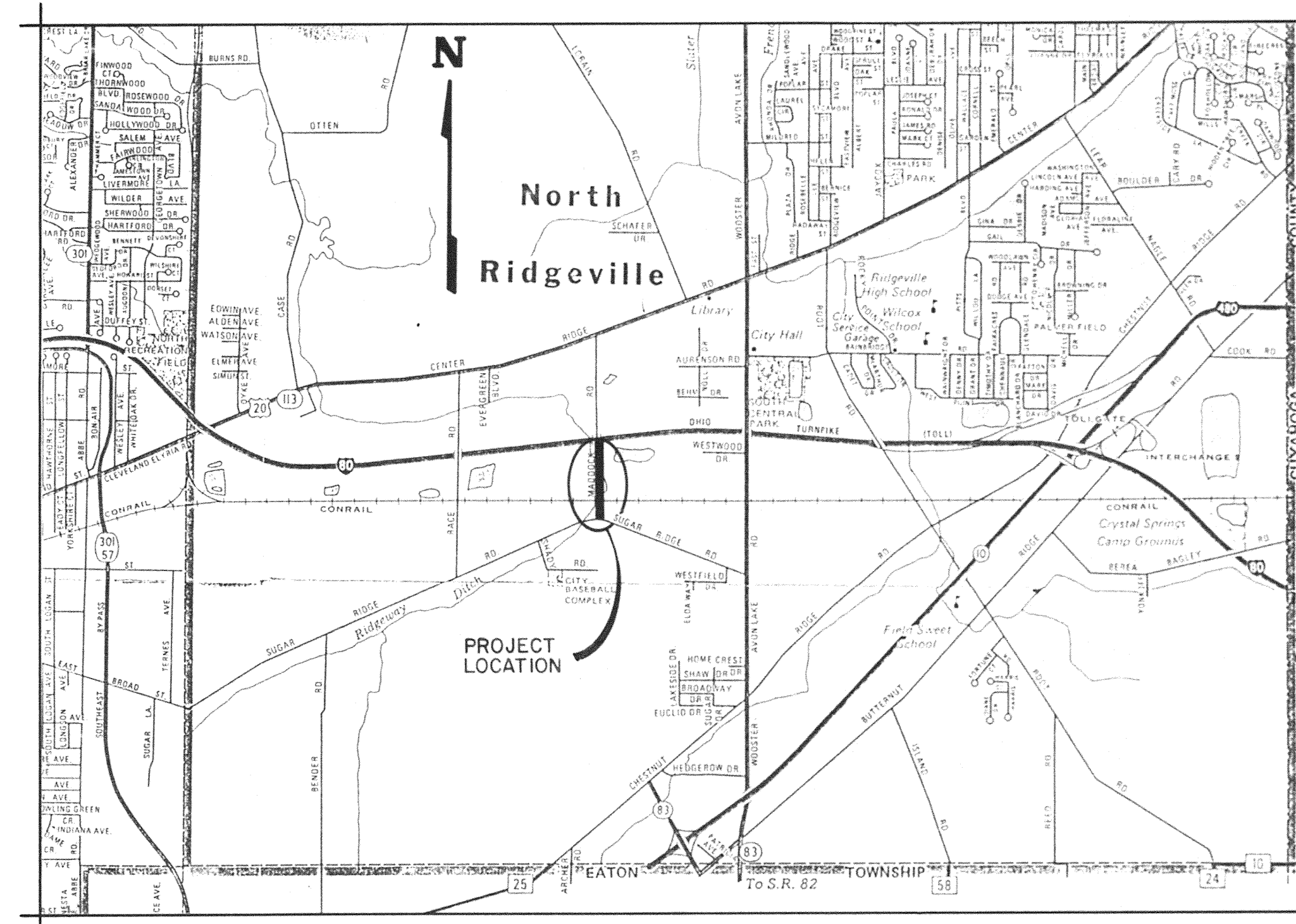
CITY OF NORTH RIDGEVILLE

LORAIN COUNTY, OHIO

MADDOCK ROAD WATER MAIN

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AREA MAP - NO SCALE

APPROVALS

MAYOR

Floyd W. Penco Jr. 3/2/89
DATE

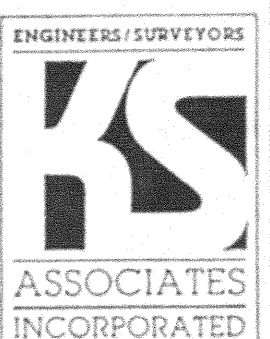
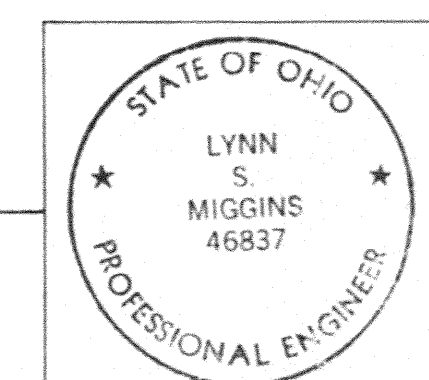
SAFETY —
SERVICE DIRECTOR

Ray E. Whanglin 3/2/89
DATE



PROJECT REF. NO. 109 LSD 30

Lynn S. Miggins
LYNN S. MIGGINS, OHIO P.E. REG. NO. 46837



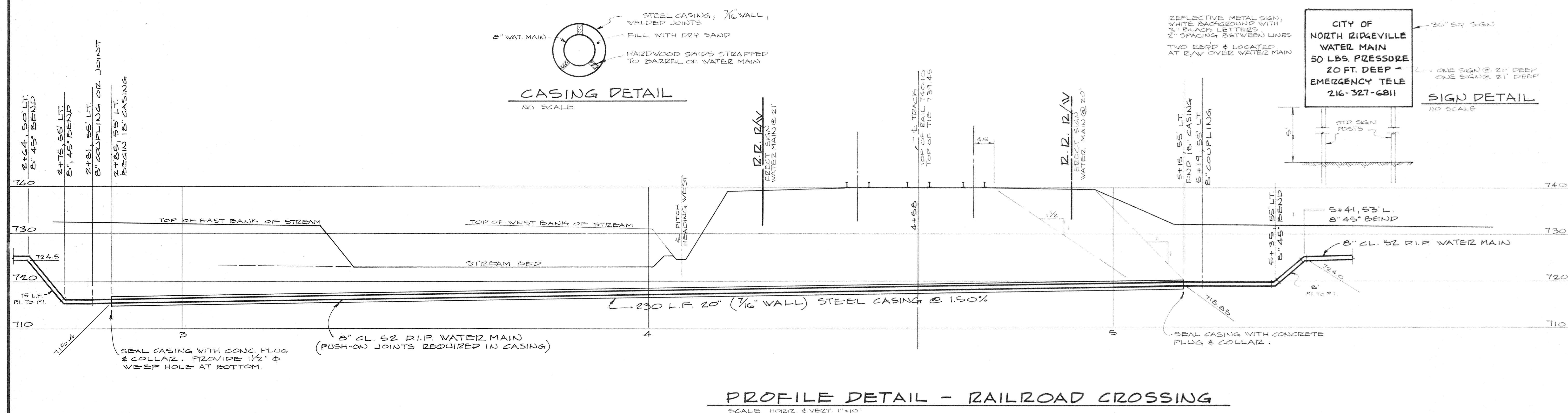
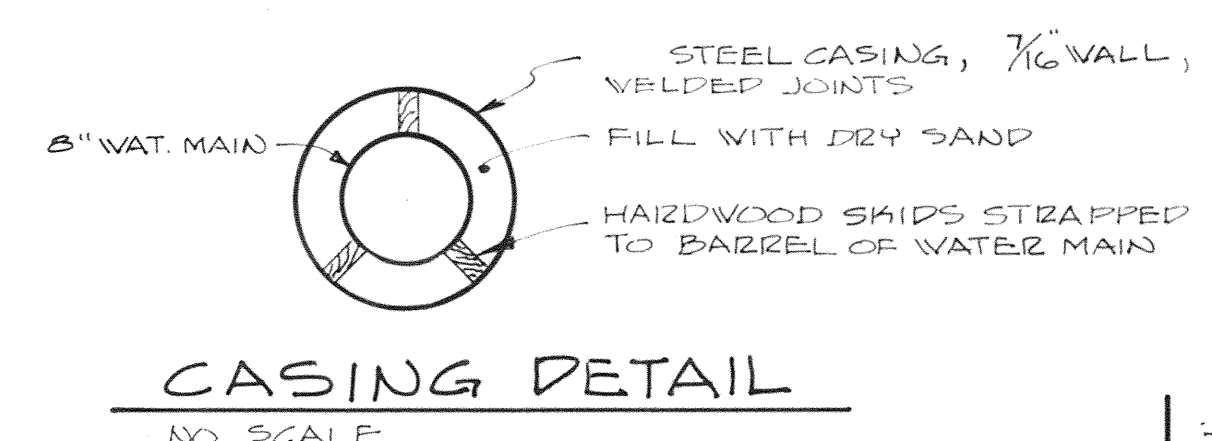
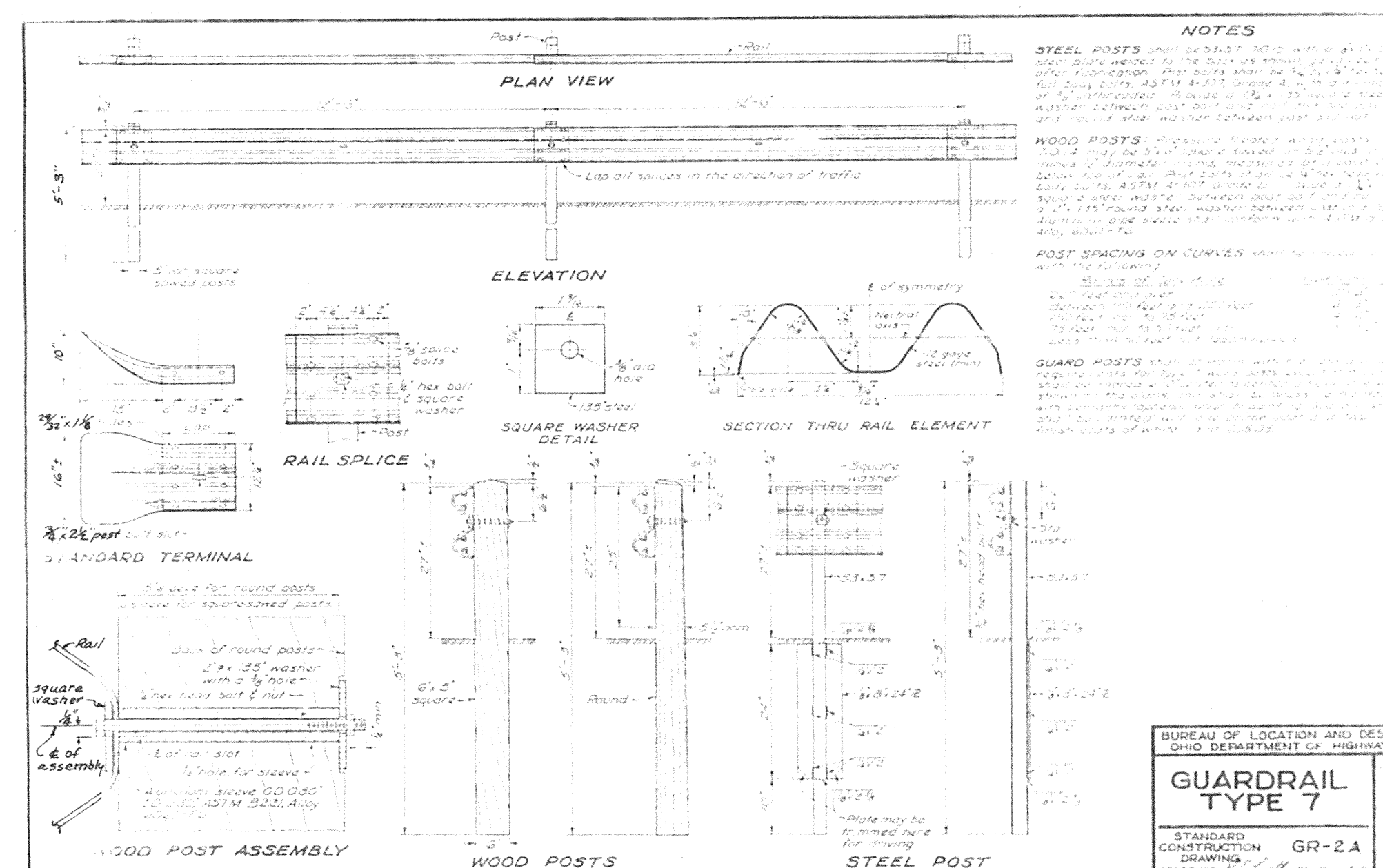
424 Middle Avenue
P.O. Box 89
Elyria, Ohio 44036

CONSTRUCTION LAYOUT STAKES: HORIZONTAL AND VERTICAL CONTROL AND ALL CONSTRUCTION STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CITY ENGINEER.

LOCATION AND SIZE OF UNDERGROUND UTILITIES: THE LOCATION, TYPE, DEPTH AND SIZE OF ALL EXISTING UNDERGROUND PIPES AND UTILITIES SHOWN ON THESE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THERE ARE NO GUARANTEES MADE TO THEIR ACCURACY OR COMPLETENESS.

PRECAUTIONS AGAINST UTILITY DAMAGE: THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITY LINES DURING THE INSTALLATION OF THE WATER MAIN AND APPURTENANCES.

UTILITIES: AT LEAST TWO (2) WORKING DAYS BEFORE BREAKING GROUND, THE CONTRACTOR SHALL NOTIFY ALL PUBLIC SERVICE CORPORATIONS HAVING WIRE, POLES, PIPE, CONDUITS, MANHOLES, OR OTHER STRUCTURES, THAT MAY BE AFFECTED BY THIS PROJECT. ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THEIR RESPECTIVE OWNERS UNLESS OTHERWISE SHOWN ON THE PLANS.



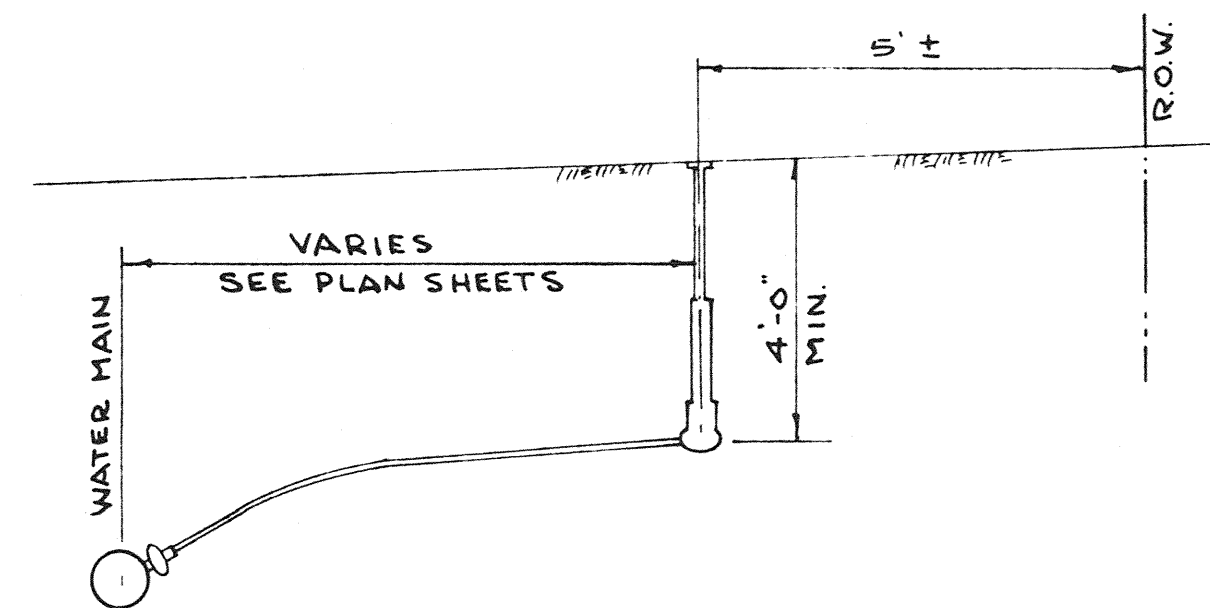
REVISIONS		
	7-7-89	WATER MAIN DESIGNED FOR WEST SIDE OF MADDOCK ROAD.

WATER MAIN IMPROVEMENT
GENERAL NOTES & DETAILS
MADDOCK ROAD
NORTH RIDGEVILLE, OHIO

KS ASSOCIATES, INC.
ENGINEERS/SURVEYORS
424 Middle Avenue
P.O. Box 89
Elyria, Ohio 44036
Elyria (216) 322-6317 • Lorain (216) 244-5757



SHEET
20
5
JOB NO.
N-015



SHORT WATER SERVICE
NO SCALE

WATER SERVICE SPECIFICATIONS

TUBING:
COPPER ALLOY NO. C83600 IN ACCORDANCE WITH ASTM B62 OR B584 OR
POLYETHYLENE, SPIR 91, CL 200 IN ACCORDANCE WITH ASTM D2757.

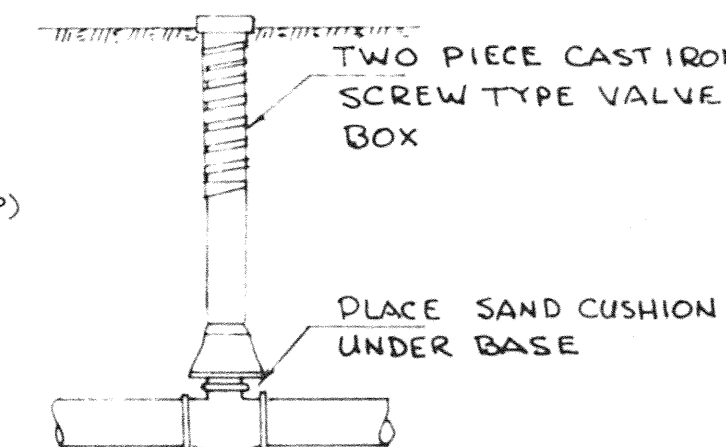
CORPORATION STOP:
BRASS, HUELLER H15008 COMPRESSION TYPE OR APPROVED EQUAL.

CURB STOP:
BRASS, HUELLER H15009 COMPRESSION TYPE OR APPROVED EQUAL.

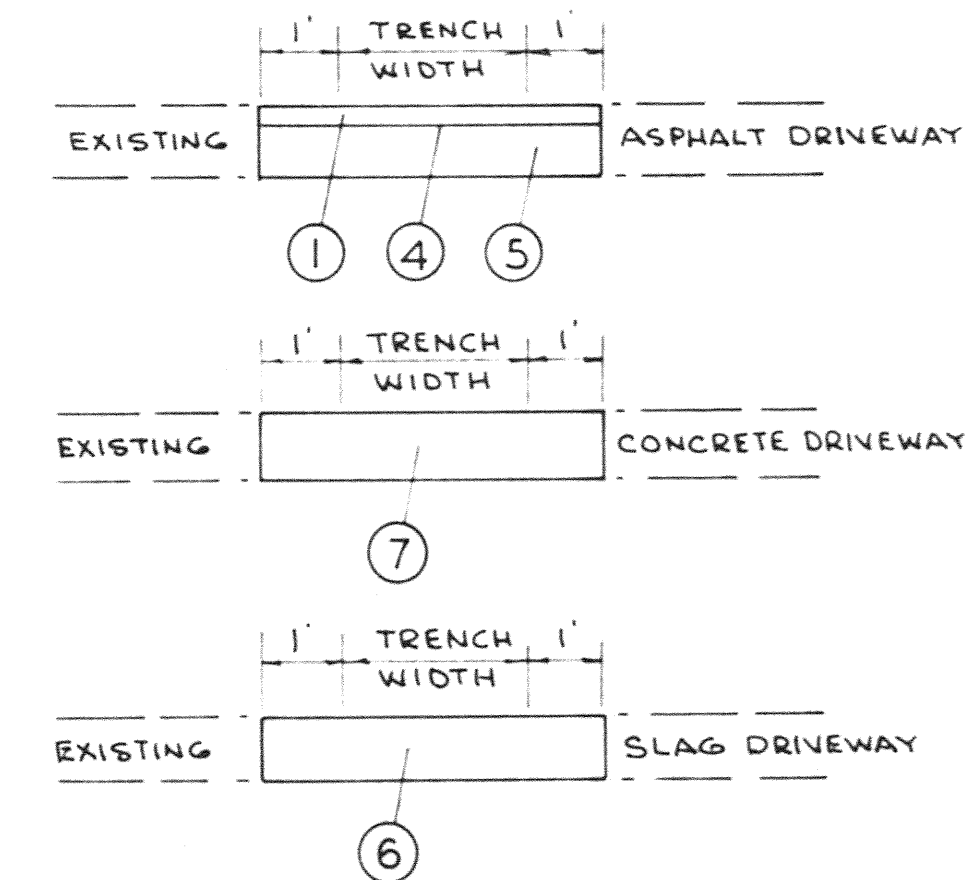
CURB BOX & COVER:
VICTORY 94E OR APPROVED EQUAL.

NOTE:
ALL VALVES TO OPEN CLOCKWISE (RIGHT-HAND)

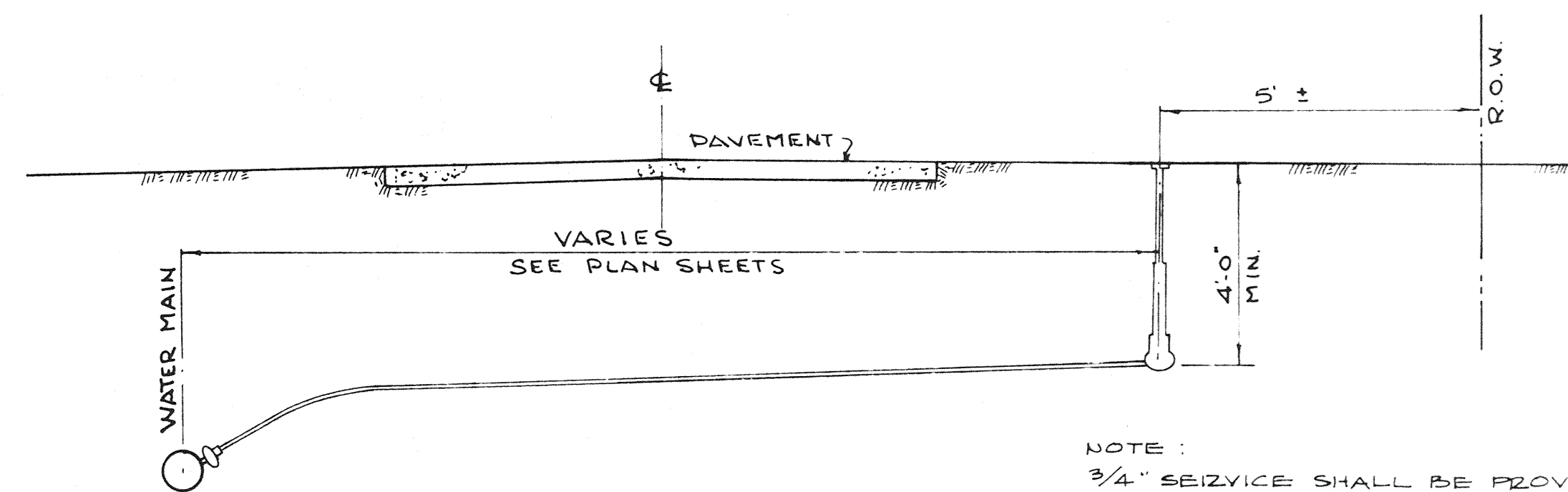
VALVE BOX LID



VALVE BOX INSTALLATION
NO SCALE



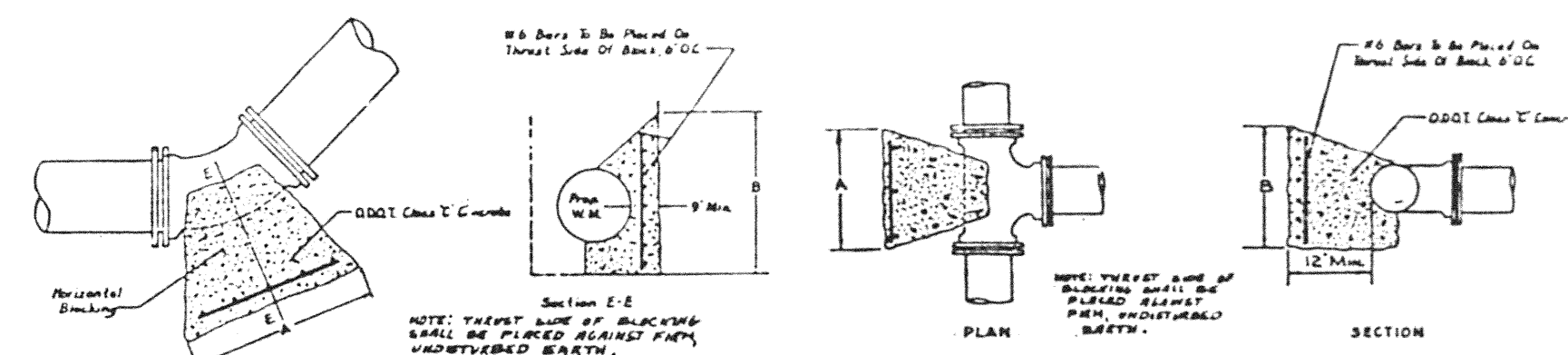
- ① 2" 404 ASPHALT CONCRETE, 2-1" COURSES
- ② 1 1/2" 404 ASPHALT CONCRETE
- ③ 1 1/2" 402 ASPHALT CONCRETE
- ④ 40B BITUMINOUS PRIME COAT, APPLIED 0.40 GAL. PER SQ. YD.
- ⑤ 6" 304 AGGREGATE BASE
- ⑥ 8" 304 AGGREGATE BASE
- ⑦ 6" 452 PLAIN CONCRETE PAVEMENT



NO OPEN CUT PERMITTED, WATER SERVICE SHALL BE PUSHED UNDER PAVEMENT.

NOTE:
3/4" SERVICE SHALL BE PROVIDED FOR ALL PROPERTIES WITH HOMES OR HOUSE NUMBERS AS SHOWN ON THE PLANS.

LONG WATER SERVICE
NO SCALE

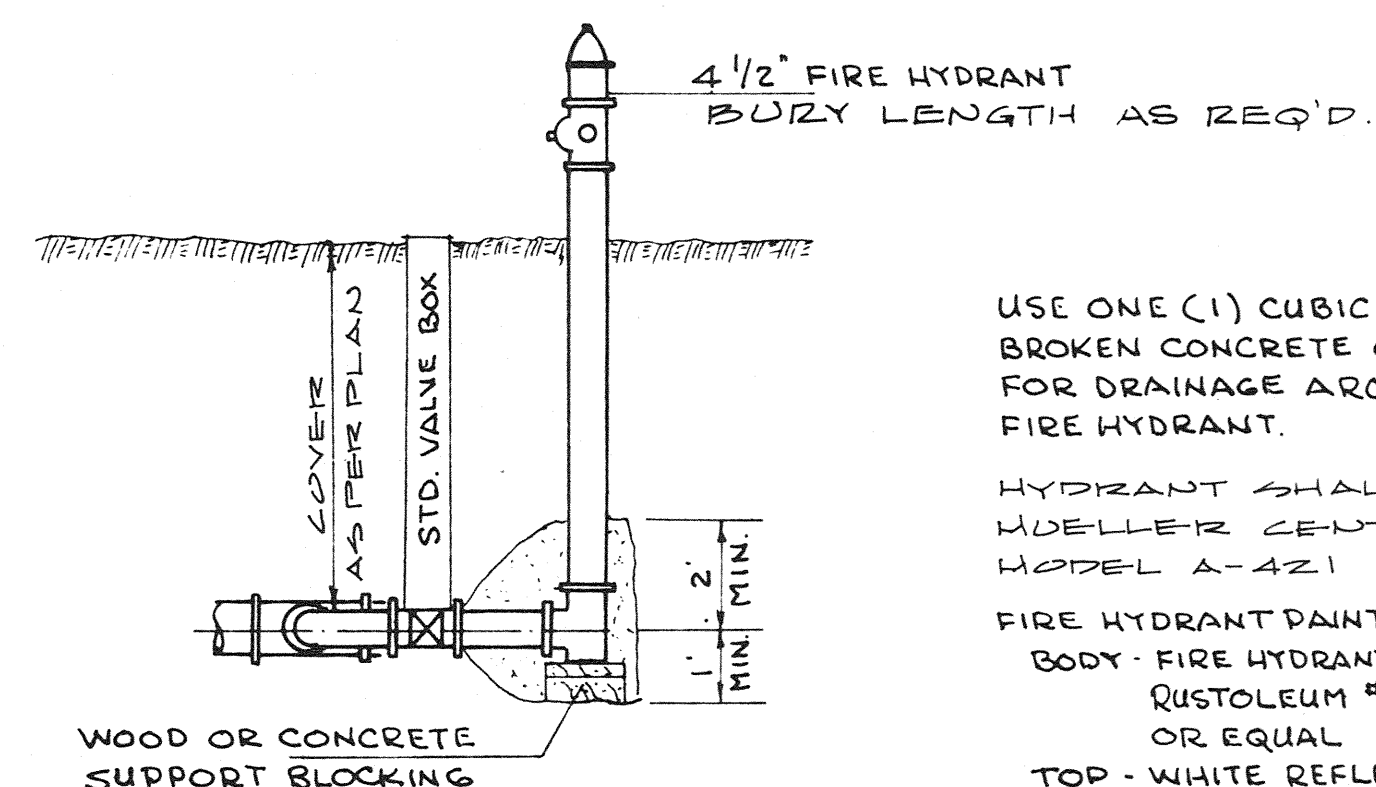
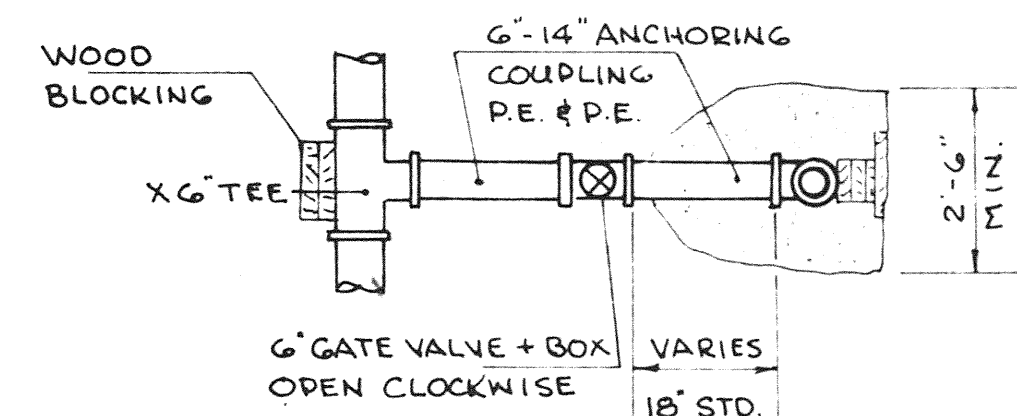
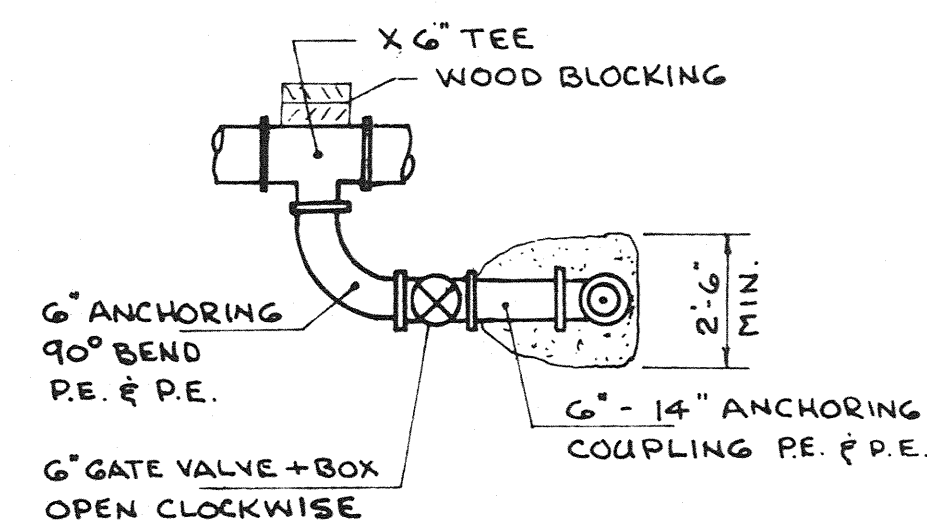


SIZE	75 PSI & UNDER				75 TO 125 PSI				125 TO 200 PSI			
	A	B	C	D	A	B	C	D	A	B	C	D
4	11 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
6	22 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
8	43	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
10	11 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
12	22 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
14	43	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
16	11 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
18	22 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
20	43	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
22	11 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
24	22 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
26	43	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
28	11 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
30	22 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
32	43	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
34	11 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
36	22 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
38	43	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
40	11 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
42	22 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
44	43	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
46	11 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
48	22 1/2	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1
50	43	1 1/2	1 1/2	0.1	1 1/2	1 1/2	0.1	0.1	1 1/2	1 1/2	0.1	0.1

BENDS

TEES

THRUST BLOCKING



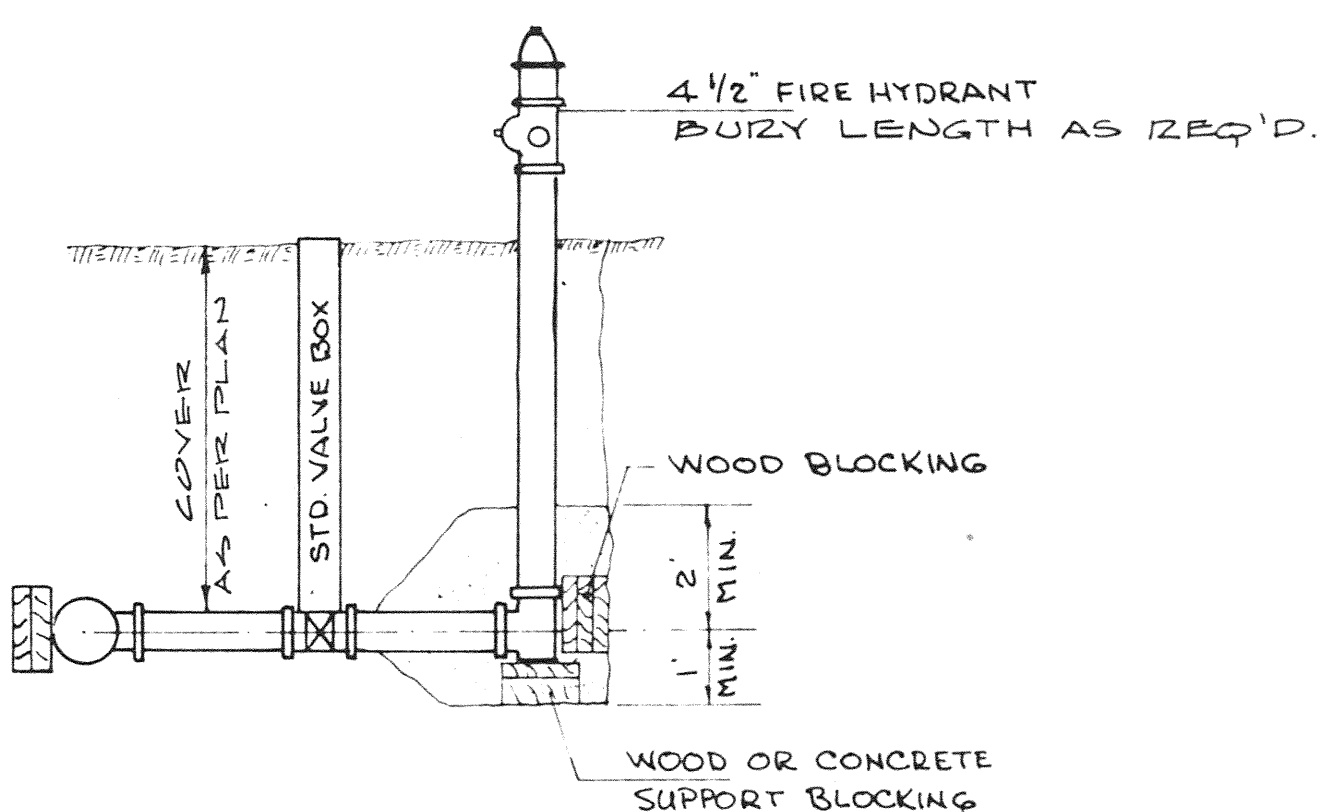
ASSEMBLY "B"

FIRE HYDRANT INSTALLATION
NO SCALE

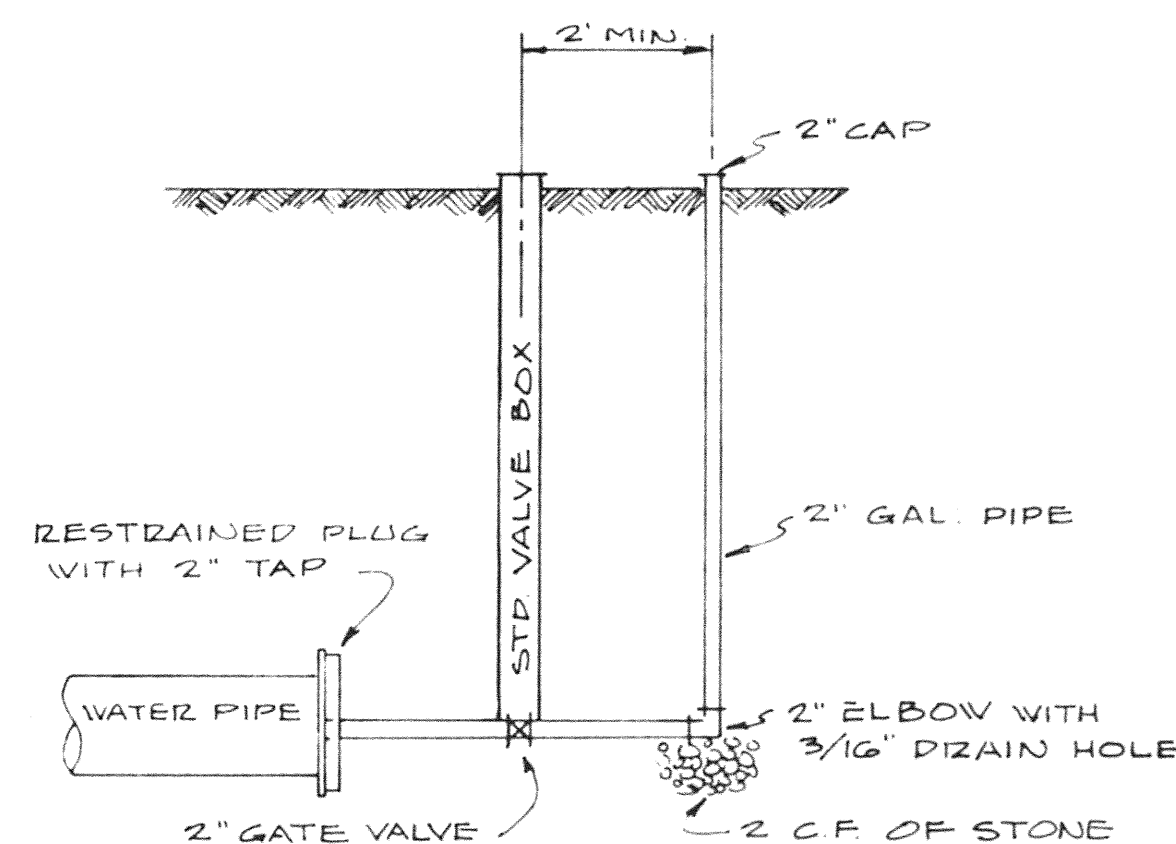
USE ONE (1) CUBIC YARD OF BROKEN CONCRETE OR STONE FOR DRAINAGE AROUND EACH FIRE HYDRANT.

HYDRANT SHALL BE:
HUELLER CENTRIAN
MODEL A-421

FIRE HYDRANT PAINT:
BODY - FIRE HYDRANT RED
RUSTOLEUM #1210
OR EQUAL
TOP - WHITE REFLECTIVE PAINT
3M CODIT OR EQUAL

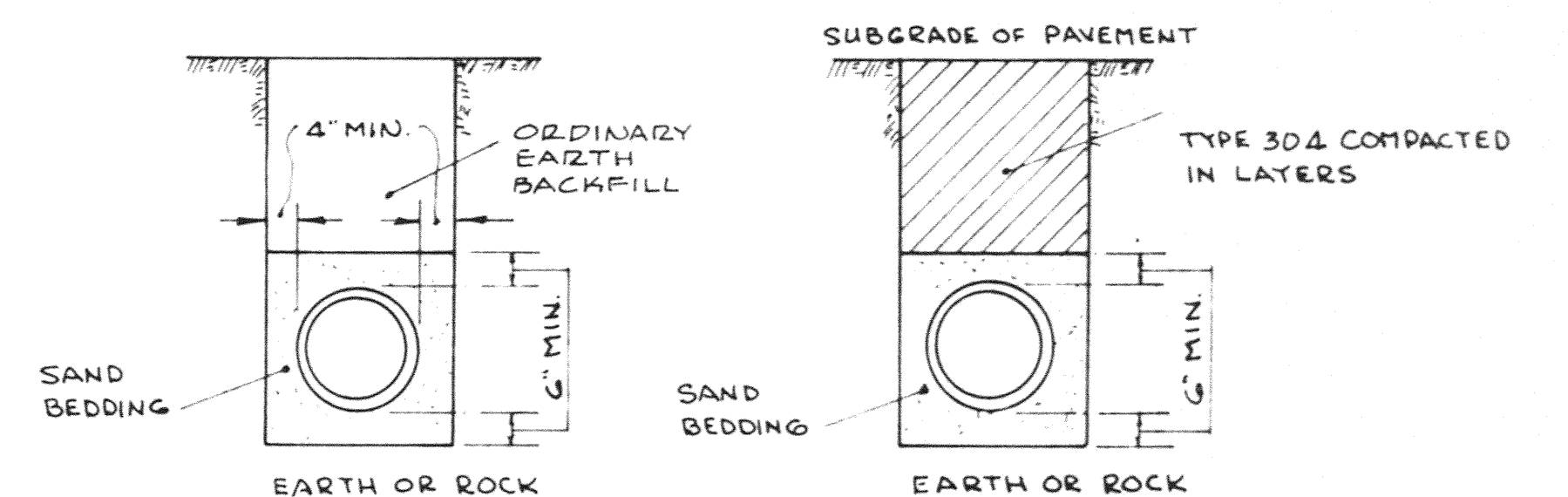


ASSEMBLY "A"



PLUG WITH 2" BLOWOFF ASSEMBLY
NO SCALE

DRIVEWAY REPAIR & PAVEMENT REPLACEMENT
NO SCALE



STANDARD BACKFILL **SPECIAL BACKFILL**

USE STANDARD BACKFILL IN ALL UNPAVED AREAS

USE SPECIAL BACKFILL UNDER ALL EXISTING DRIVEWAYS & PAVEMENTS

NO ORGANIC OR SLAG BACKFILL WILL BE PERMITTED

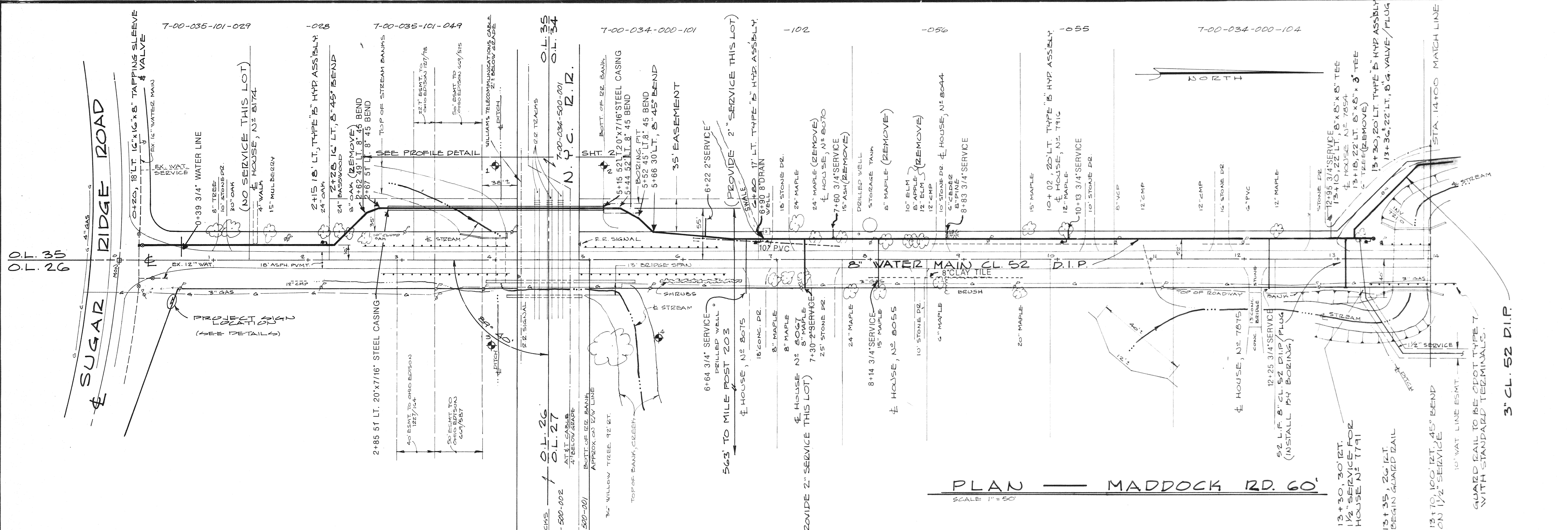
TRENCH DETAILS NO SCALE

WATER MAIN IMPROVEMENT
GENERAL DETAILS
MADDOCK ROAD
NORTH RIDGEVILLE, OHIO

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ENGINEERS/SURVEYORS
424 Middle Avenue
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Elyria (216) 322-6317 • Lorain (216) 244-5757

ENGINEERS/SURVEYORS
KS ASSOCIATES INCORPORATED

SHEET 3 OF 5
JOB NO. N-015

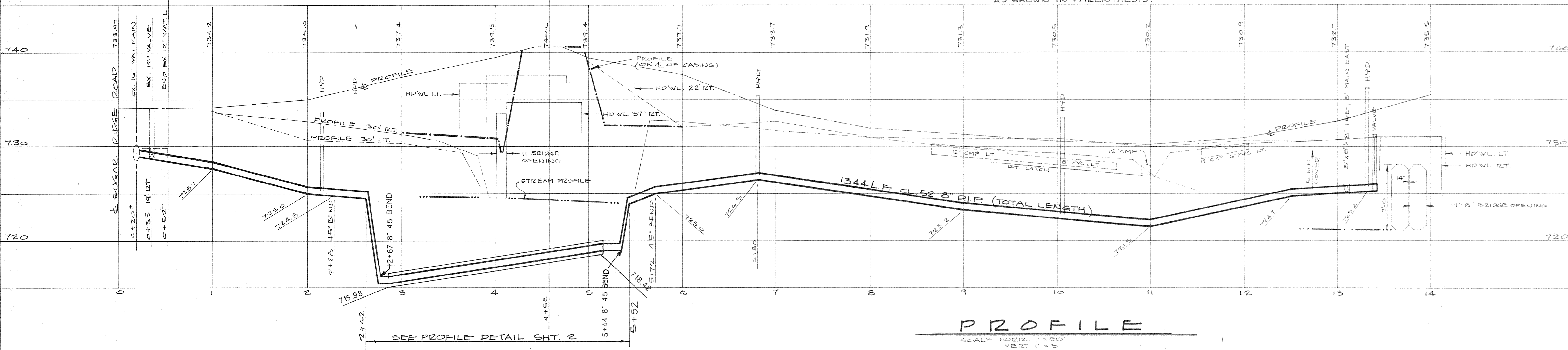


BENCH MARK:
N.E. WINGWALL — C.V.L. 89-1952
ON MADDOCK ROAD & N.Y.C. RAILROAD
ELEV. = 734.81

7-00-026-101-022

7-00-027-109-020

NOTE:
3/4" SERVICE SHALL BE PROVIDED FOR ALL EXISTING HOMES.
IN ADDITION NOTE THE SPECIAL SERVICES CALLED FOR
AS SHOWN IN PARENTHESIS



SOIL TEST HOLES		PENETRATION TO ELEV.	
N#1 STA 4+00, 10' LT., 15' DEEP, EX. ELEV. = 732.3		717.3	
N#2 STA 5+15, 10' LT., 15' DEEP, EX. ELEV. = 733.3		718.3	
N#3 STA 3+95, 90' RT., 15' DEEP, EX. ELEV. = 730.0		715.0	
N#4 STA 5+74, 83' RT., 15' DEEP, EX. ELEV. = 729.0		714.0	

REVISIONS	
4-7-89	WATER MAIN DESIGNED FOR WEST SIDE OF MADDOCK RD

WATER MAIN IMPROVEMENT
PLAN & PROFILE STA. 0+00 TO 14+00
MADDOCK ROAD
NORTH RIDGEVILLE, OHIO

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ENGINEERS/SURVEYORS
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Elyria, Ohio 44036
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SHEET
4 OF
5
JOB NO.
N-015

