



FOR APPROVAL

EDA PROJECT NO. 04-1-00397

DIVISION ONE & TWO

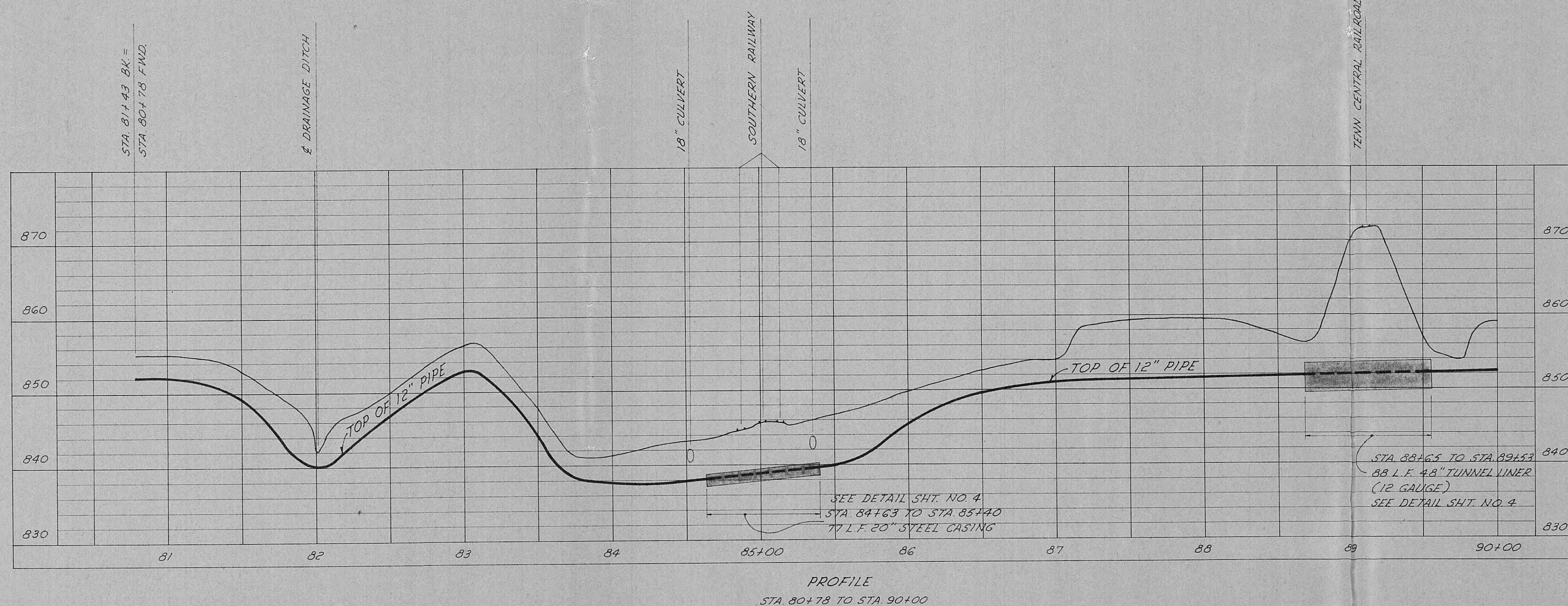
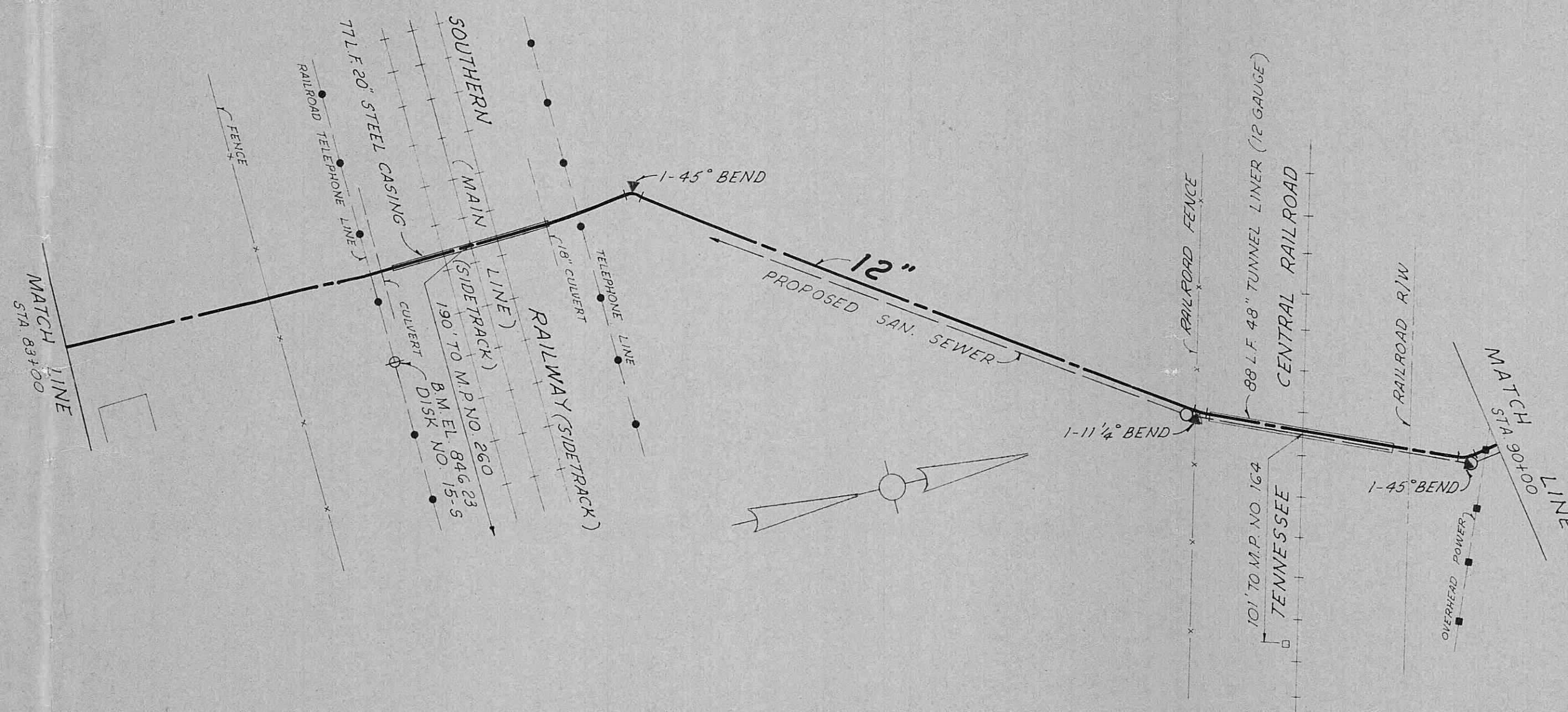
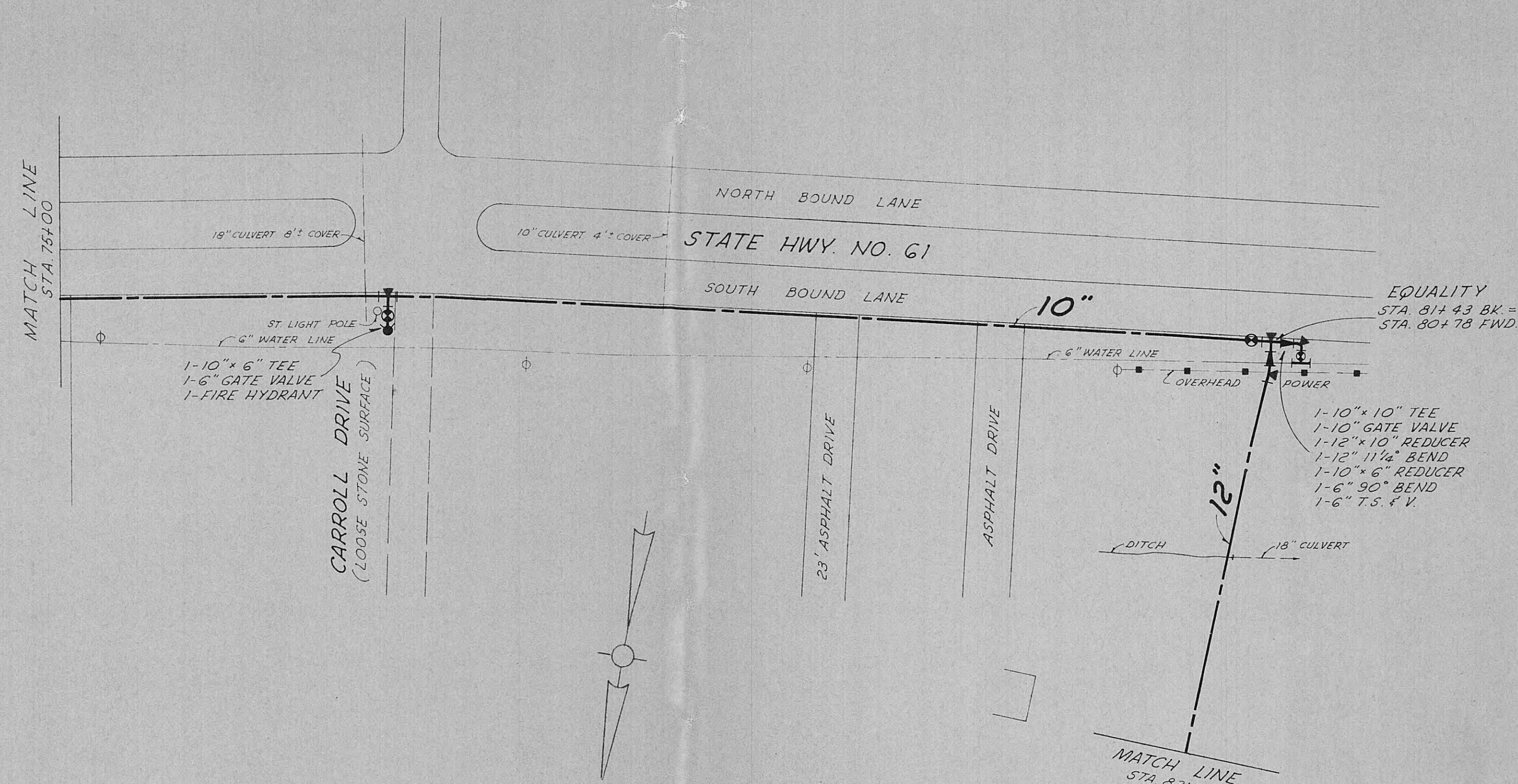
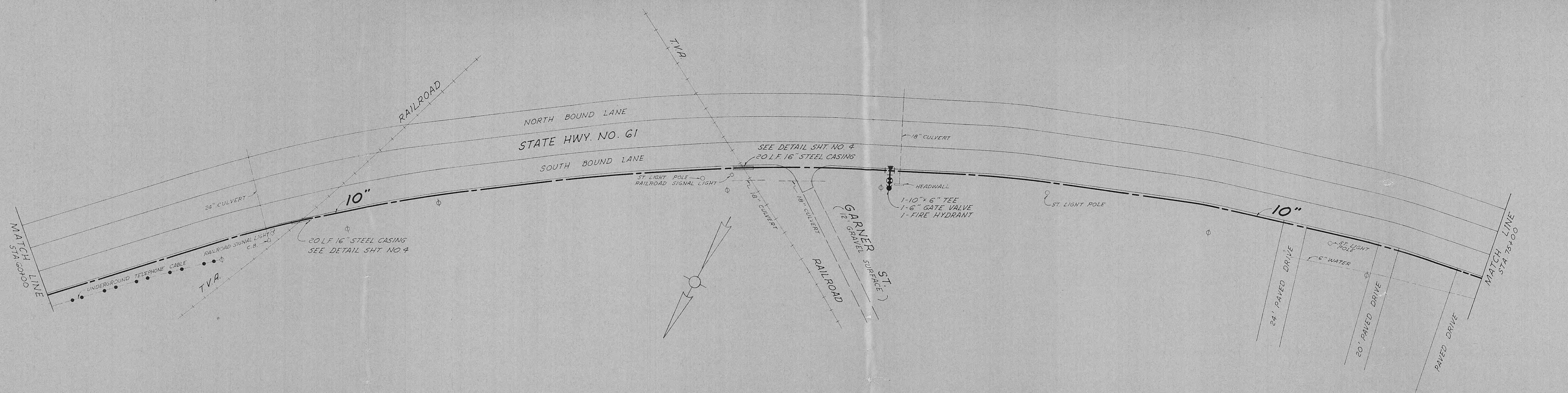
CITY OF HARRIMAN, TENNESSEE
WATER SYSTEM IMPROVEMENTS

LOCATION MAP

SCALE 1" = 300'	WIEDEMAN AND SINGLETON ENGINEERS	SHEET 1
DATE MARCH, 1968	ATLANTA	GEORGIA

LEGEND

ROADS
RAILROADS
RIVERS
CREEKS
EXISTING WATER
PROPOSED WATER
APPROXIMATE, CORPORATE, LIMITS



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APR 29 1968
TENNESSEE DEPARTMENT OF PUBLIC HEALTH
DIVISION OF SANITARY ENGINEERING
BY _____ DIRECTOR

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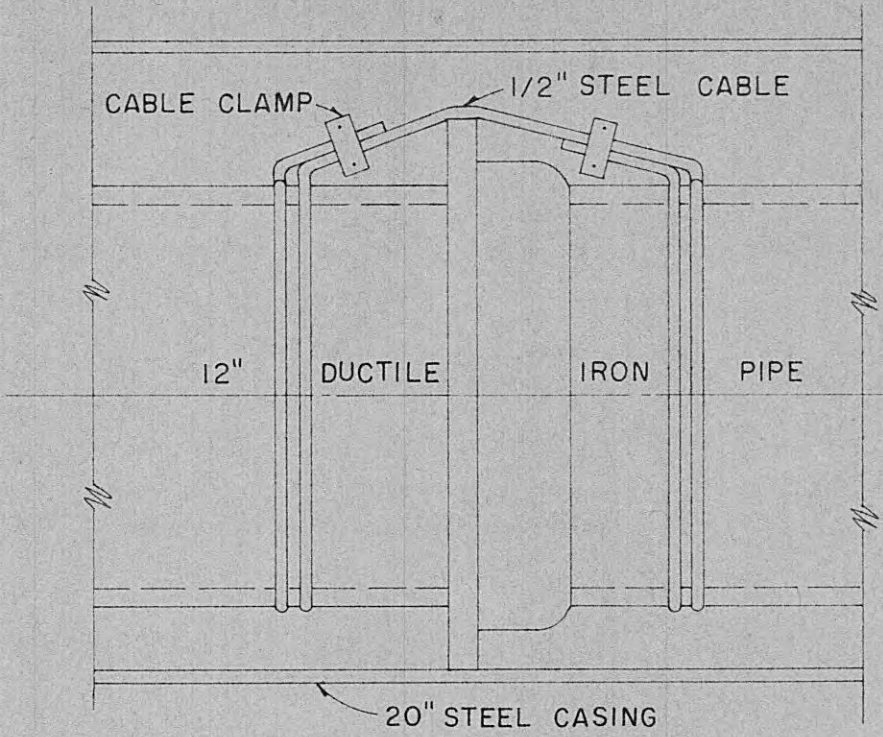
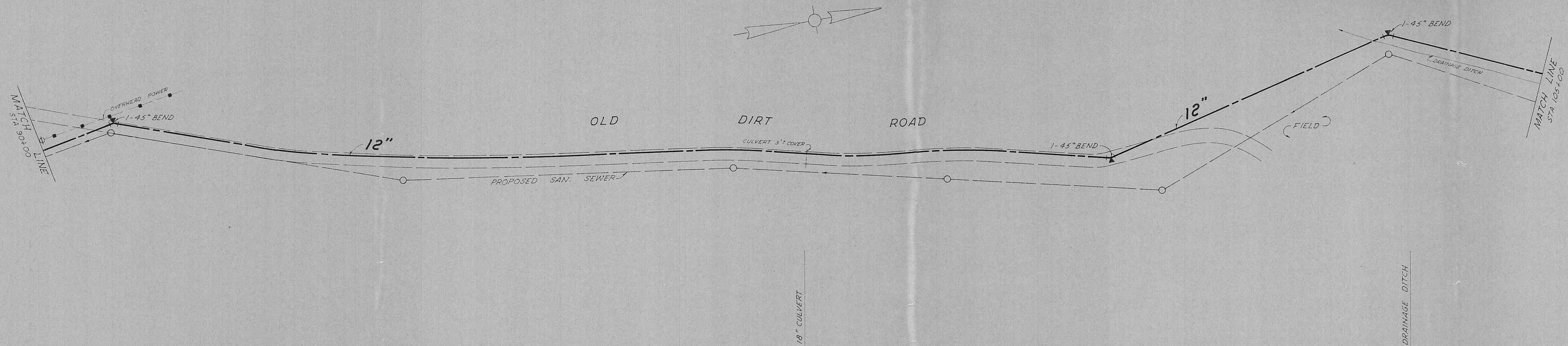
DIVISION ONE

CITY OF HARRIMAN, TENNESSEE
WATER SYSTEM IMPROVEMENTS

10" & 12" WATER MAIN

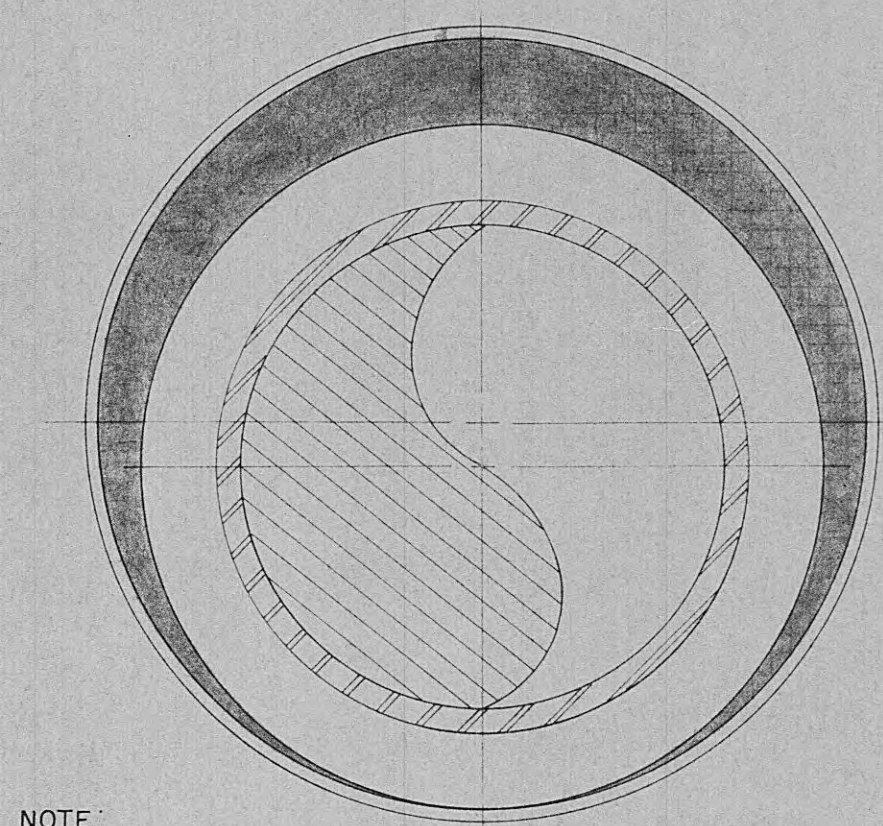
STA. 60+00 TO STA. 90+00

SCALE 1" = 50' HORIZ. 1" = 10' VERT. DATE MARCH, 1968	WIEDEMAN AND SINGLETON ENGINEERS ATLANTA GEORGIA	SH 3 OF
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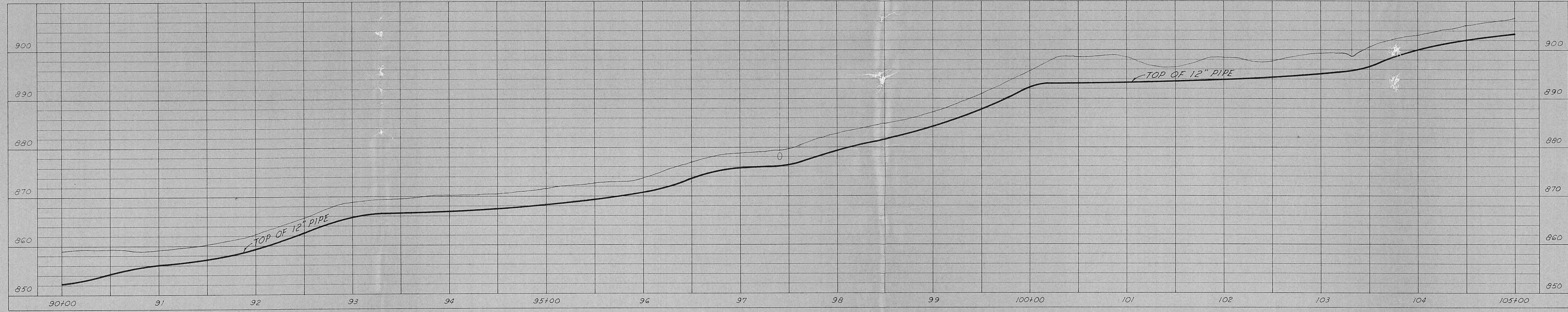
STRAPPING DETAIL FOR SOUTHERN RAILWAY
STA. 84 + 63 TO STA. 85 + 40
N.T.S.

NOTE:
WRAP EACH END OF CASING & CARRIER PIPE WITH 4 PLY, 6 MIL THICKNESS, POLYETHYLENE TIE WITH TWO WRAPS #9 GAUGE WIRE. PROVIDE DRAINAGE AT BOTTOM.

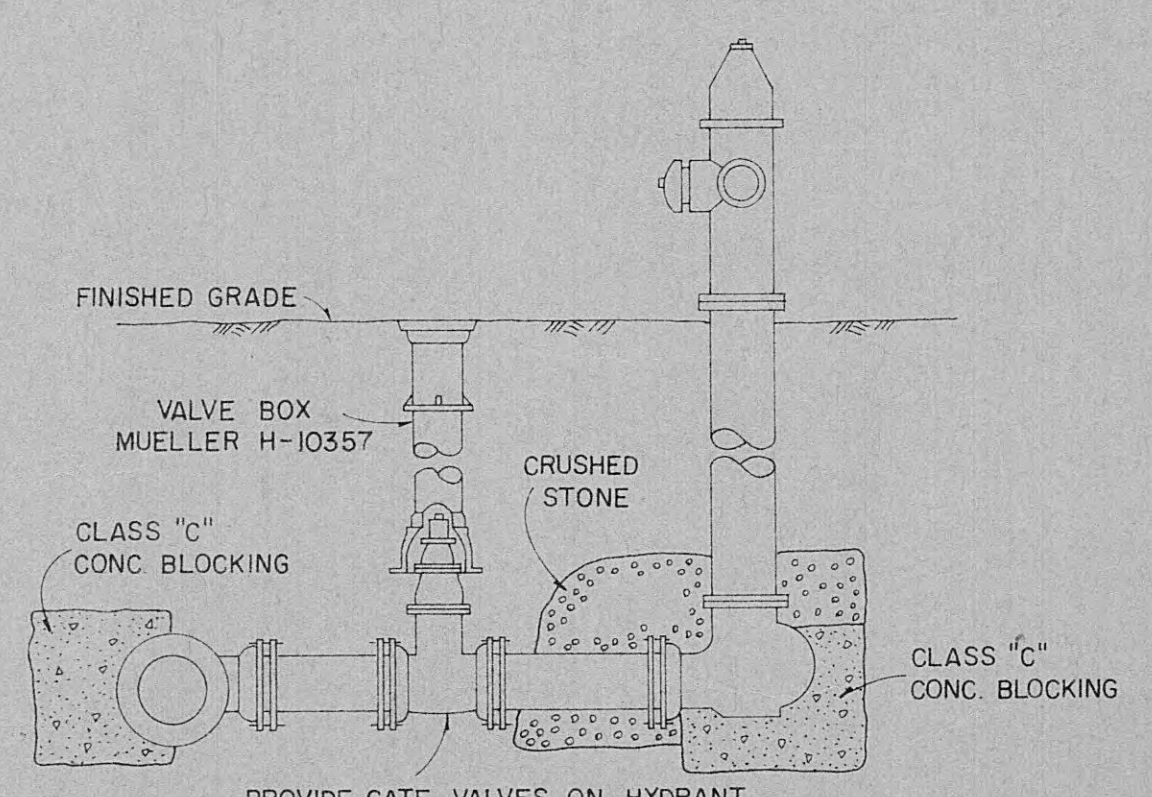


NOTE:
12\"/>

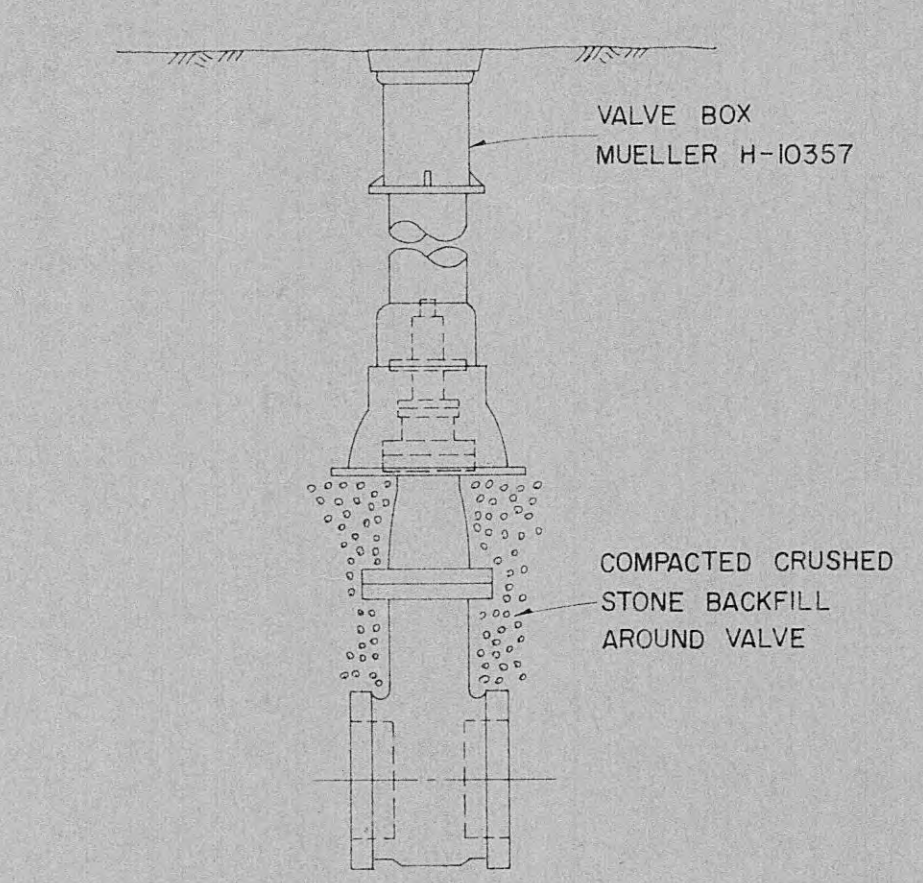
12", 16" & 20" STEEL CASING DETAIL
SCALE: 3" = 1'-0"



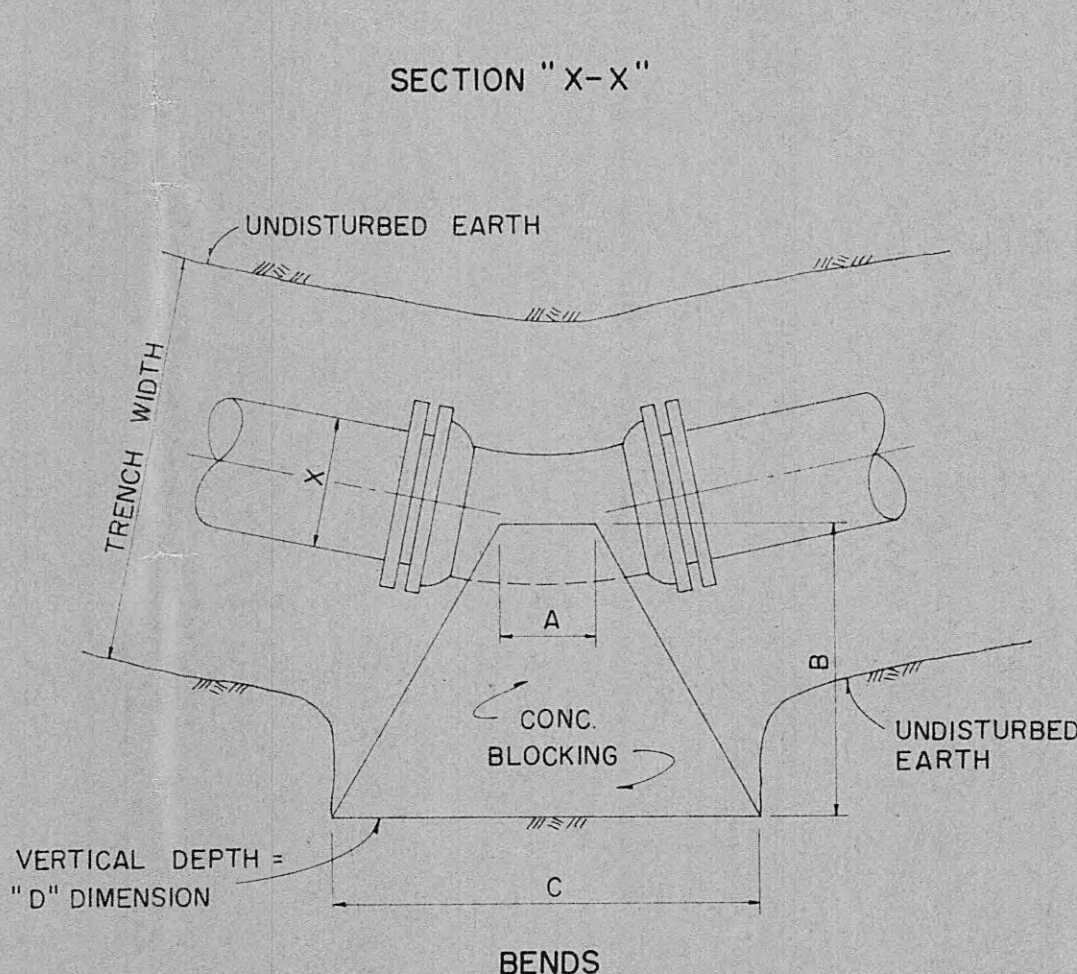
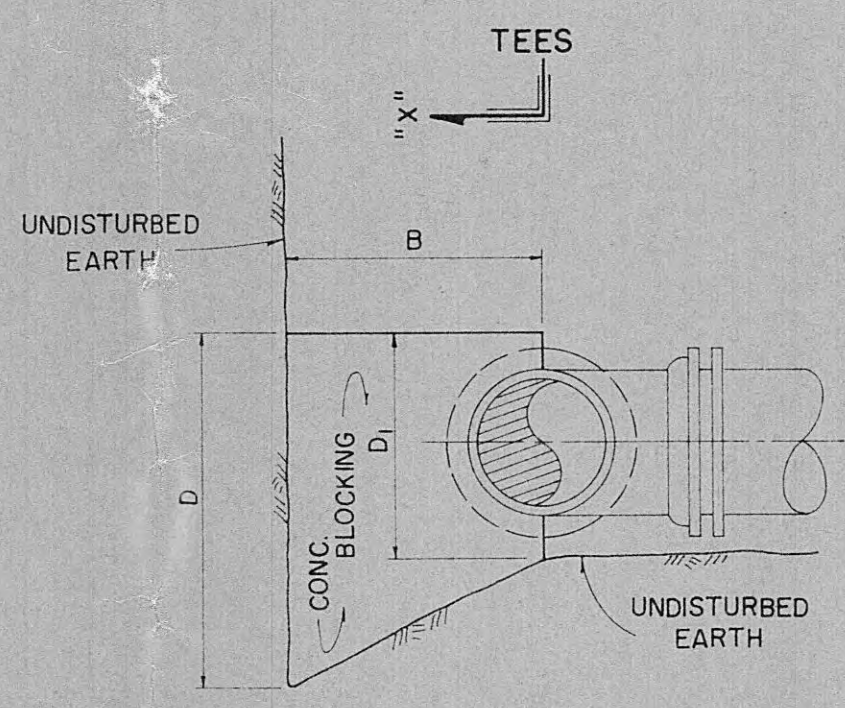
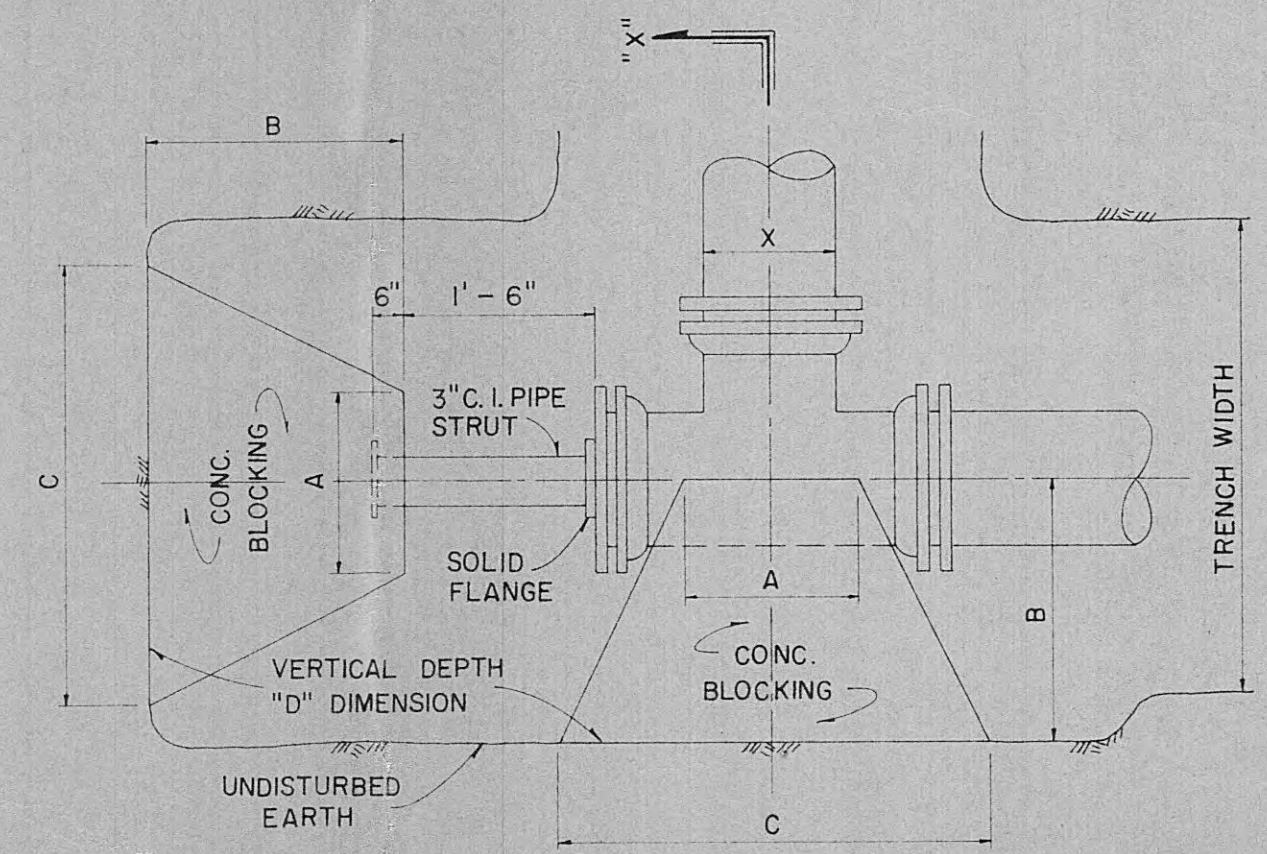
PROFILE
STA. 90+00 TO STA. 105+00



TYPICAL DETAIL OF HYDRANT INSTALLATIONS
N.T.S.

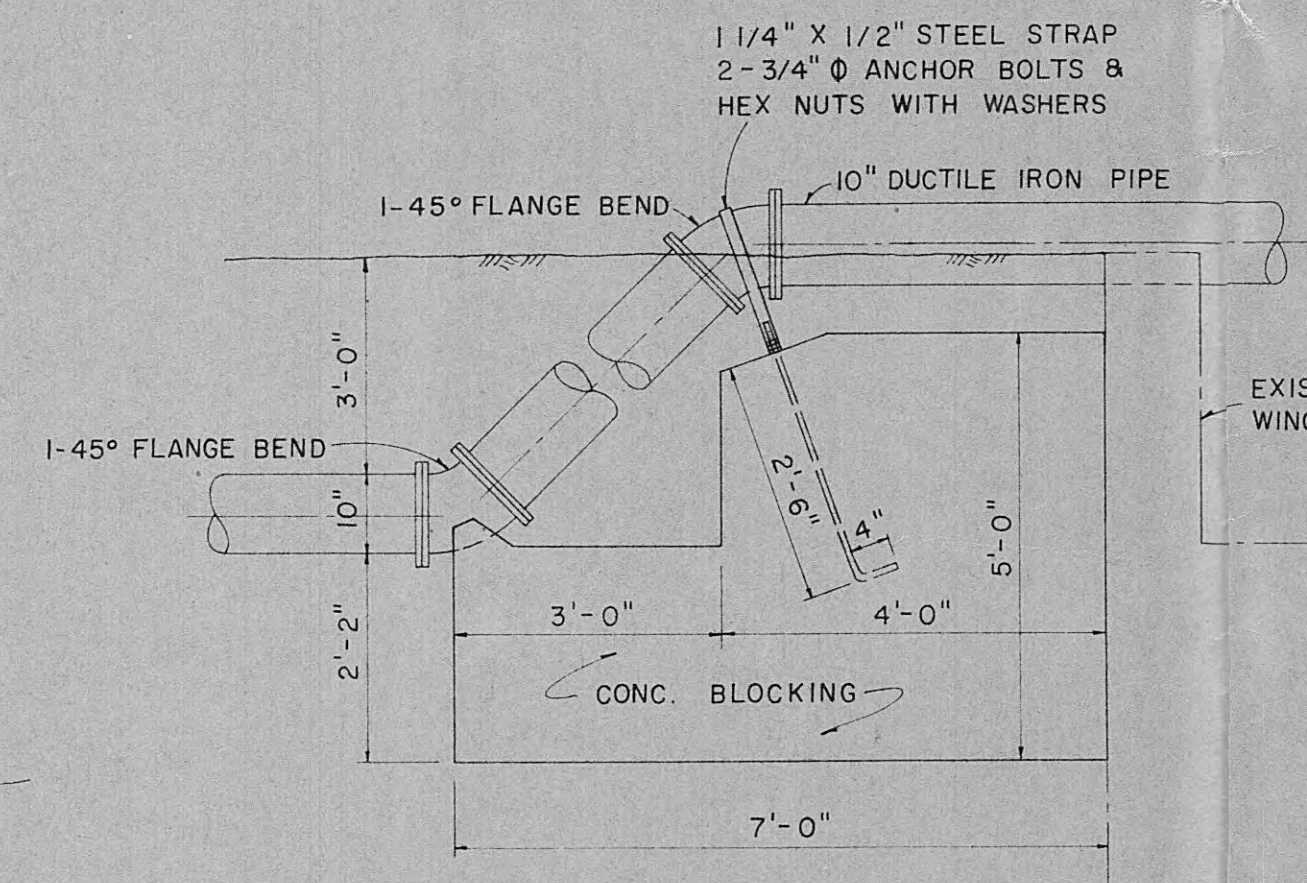


TYPICAL VALVE BOX DETAIL
MUELLER H-10357
N.T.S.

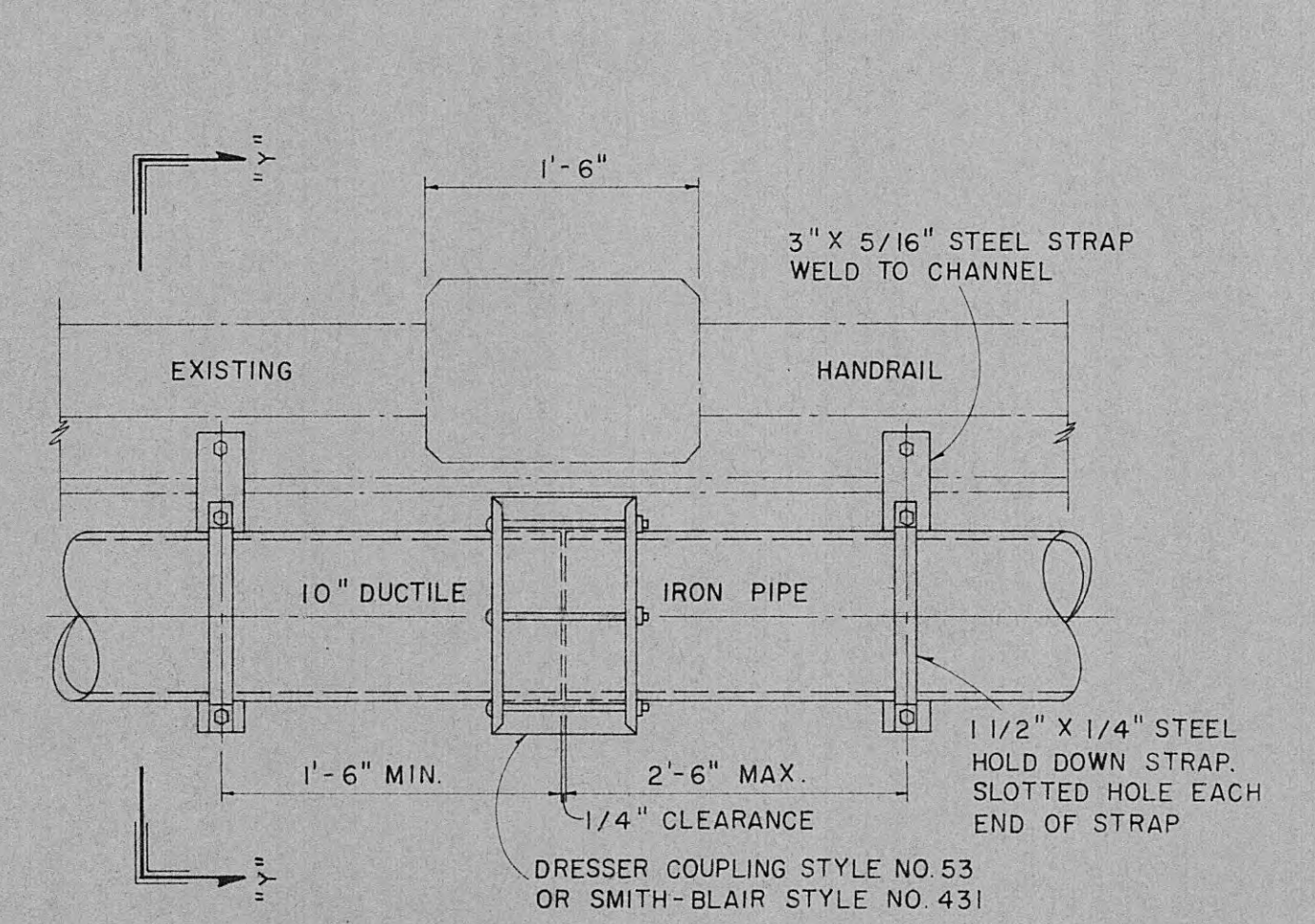
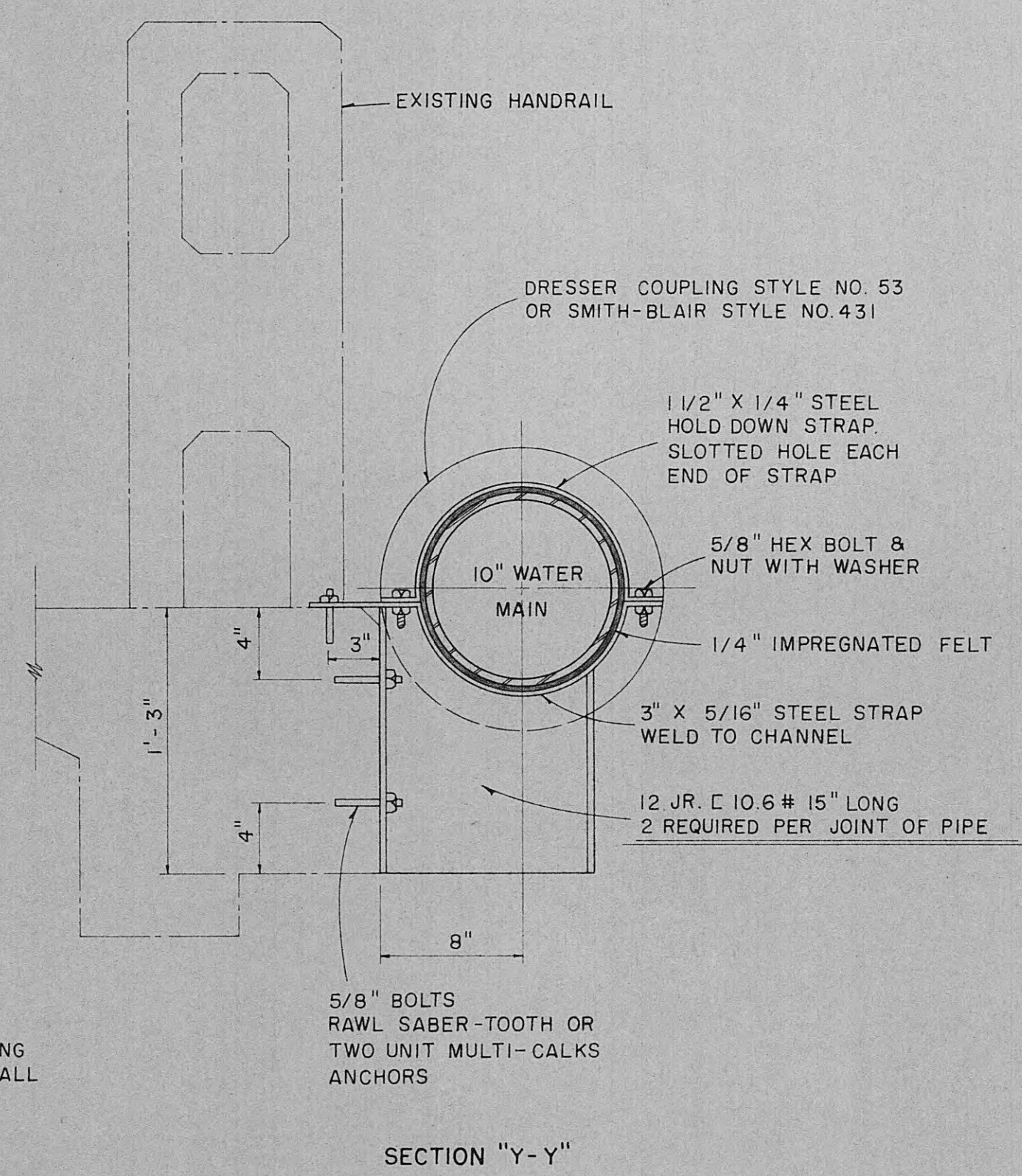


TYPICAL BLOCKING DETAILS
N.T.S.

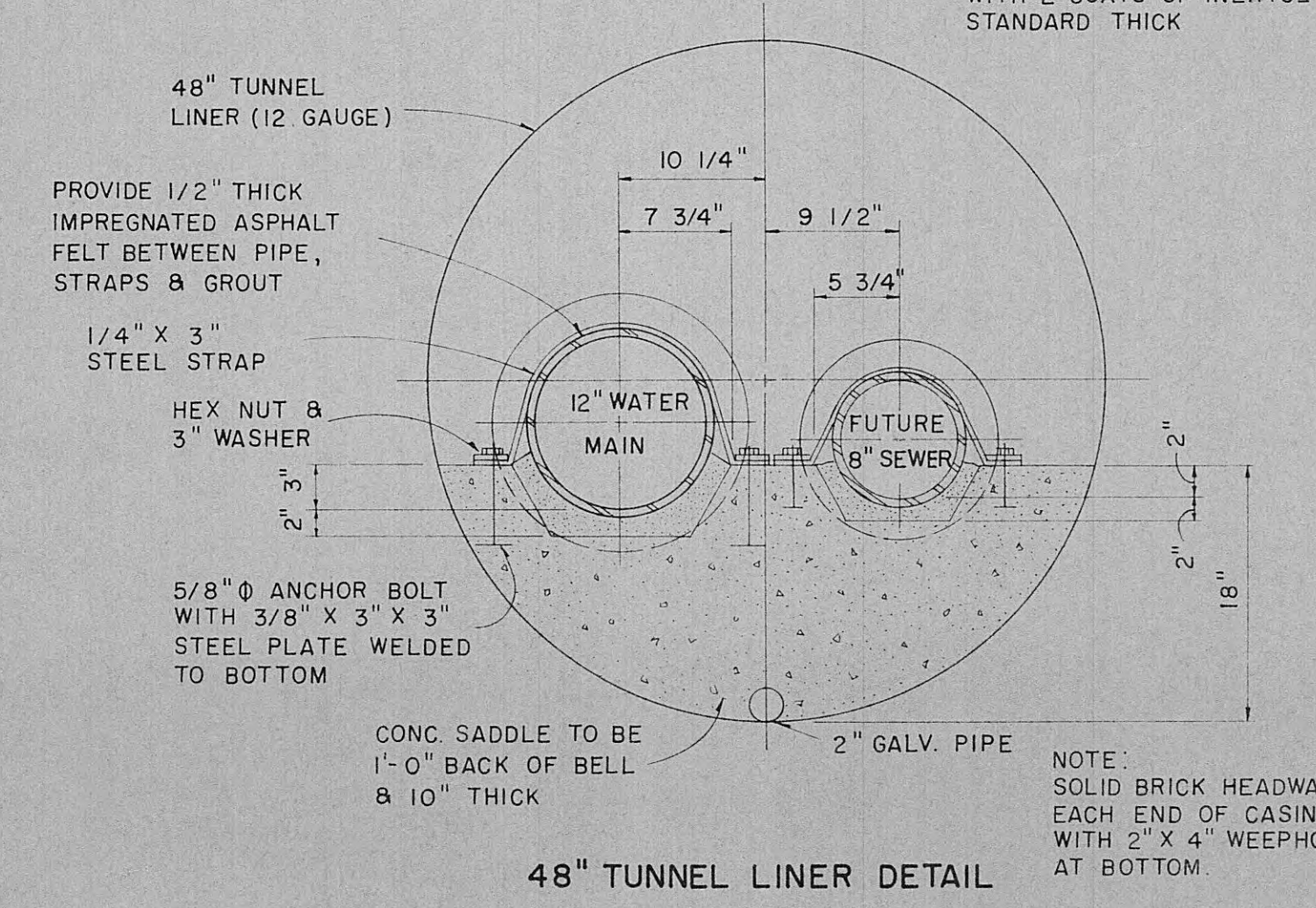
CONC. BLOCKING DIMENSIONS					
X	A	B	C	D	D ₁
TEES (12" RUN)					
12"	1'-6"	3'-0"	4'-6"	2'-0"	2'-0"
6"	10"	1'-6"	2'-4"	1'-0"	1'-0"
TEES (10" RUN)					
10"	1'-2"	2'-4"	3'-6"	1'-10"	1'-10"
8"	10"	1'-6"	2'-4"	1'-0"	1'-0"
TEES (8" RUN)					
6"	10"	1'-6"	2'-4"	1'-0"	1'-0"
TEES (6" RUN)					
6"	10"	1'-6"	2'-4"	1'-0"	1'-0"
90° BEND					
8"	1'-0"	2'-6"	3'-6"	1'-8"	1'-8"
45° BEND					
12"	8"	2'-10"	3'-6"	2'-0"	2'-0"
6"	8"	1'-3"	1'-9"	1'-0"	1'-0"
22 1/2° BEND					
8"	6"	1'-2"	1'-8"	1'-0"	1'-0"
11 1/4° BEND					
12"	8"	1'-2"	1'-10"	1'-0"	1'-0"
PLUGS					
SAME AS TEE EXCEPT THAT THE LARGER SIZE IN UNEQUAL RUNS SHALL BE USED.					



BLOCKING DETAILS FOR EACH END OF EMORY RIVER BRIDGE
N.T.S.



TYPICAL DETAILS FOR PIPE SUPPORTS
N.T.S.



48" TUNNEL LINER DETAIL
STA. 89+09
SCALE: 1" = 1'-0"

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DIVISION OF SANITARY ENGINEERING
BY: DIRECTOR

EDA PROJECT NO. 04-1-00397

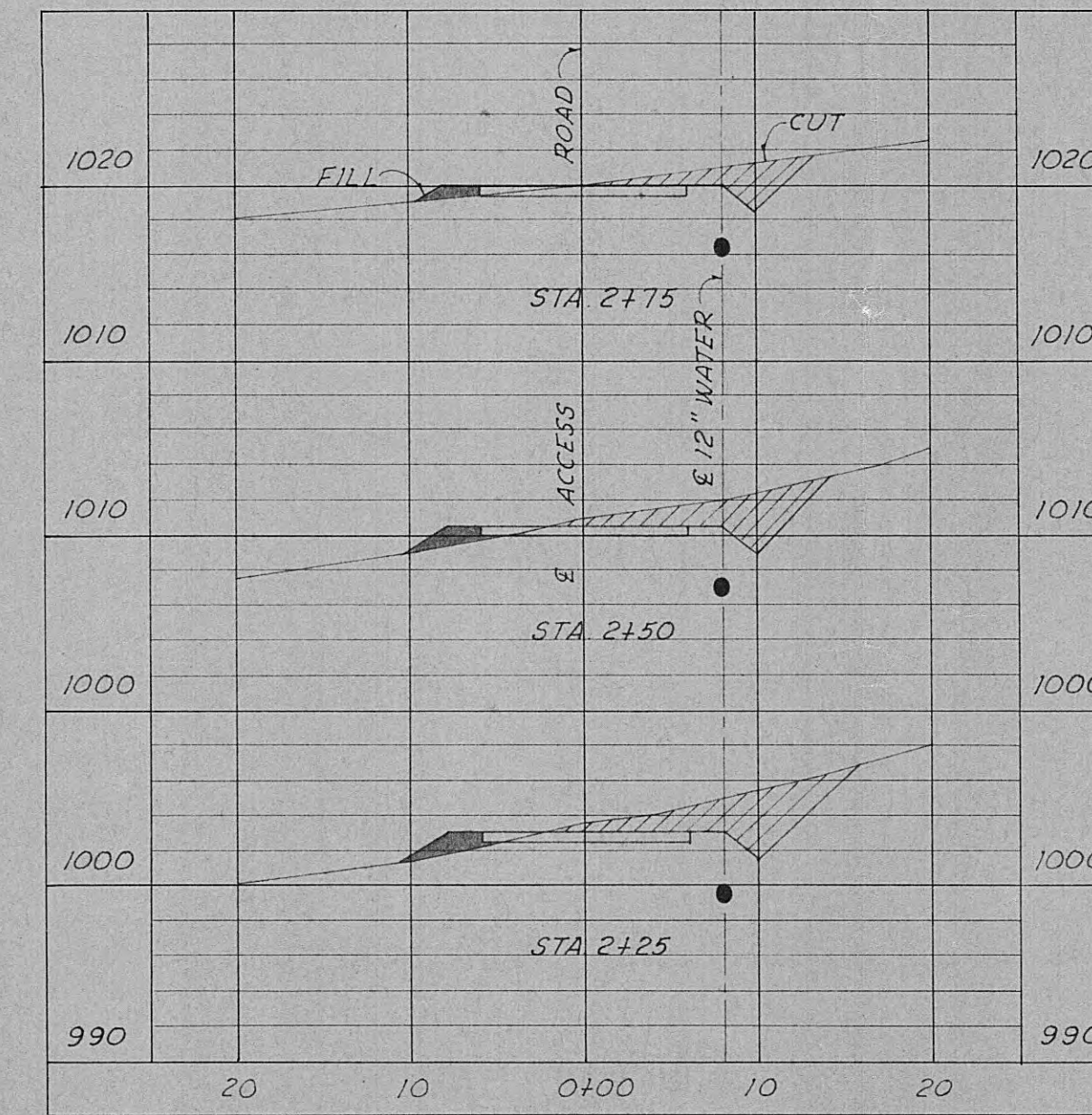
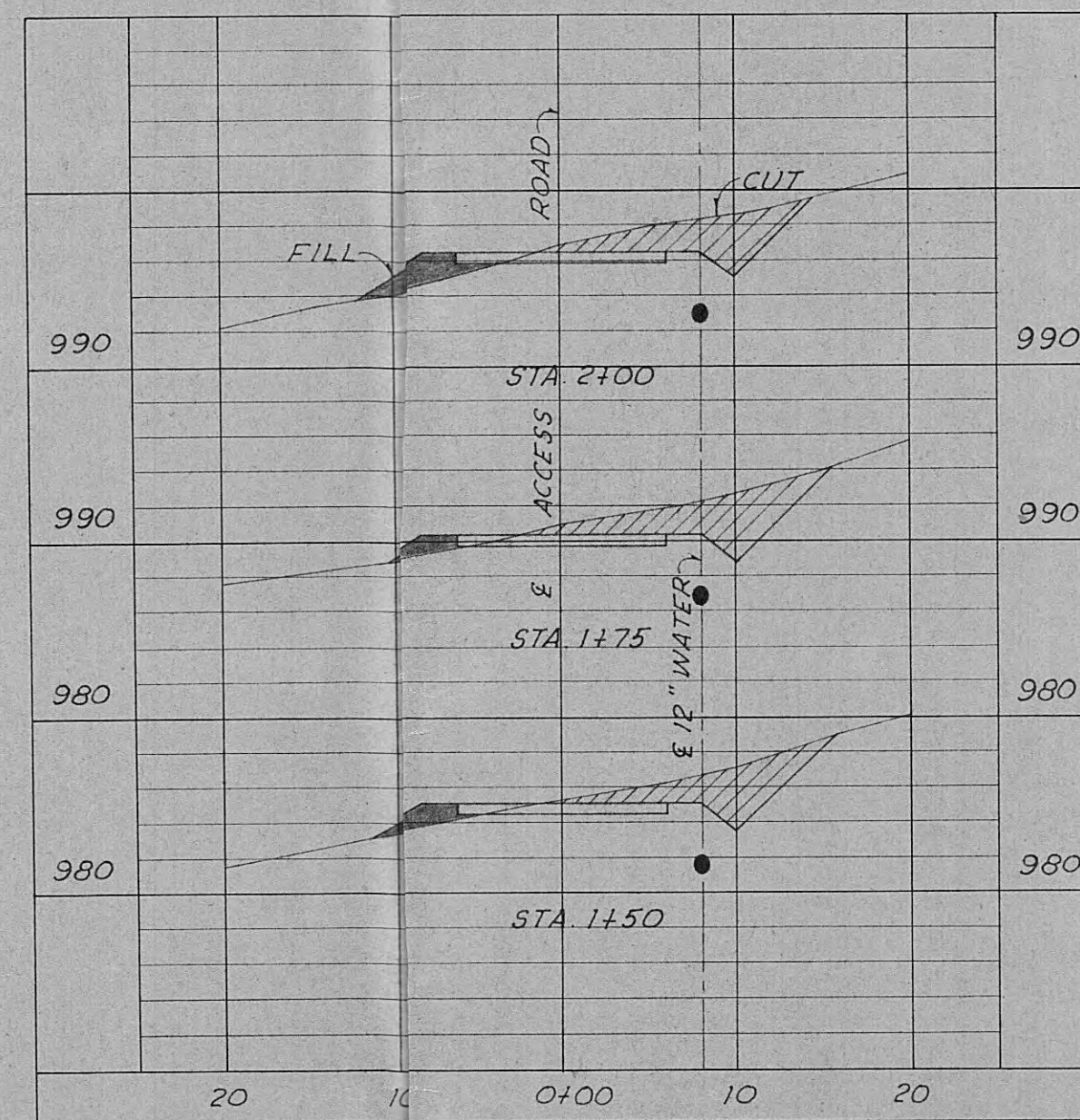
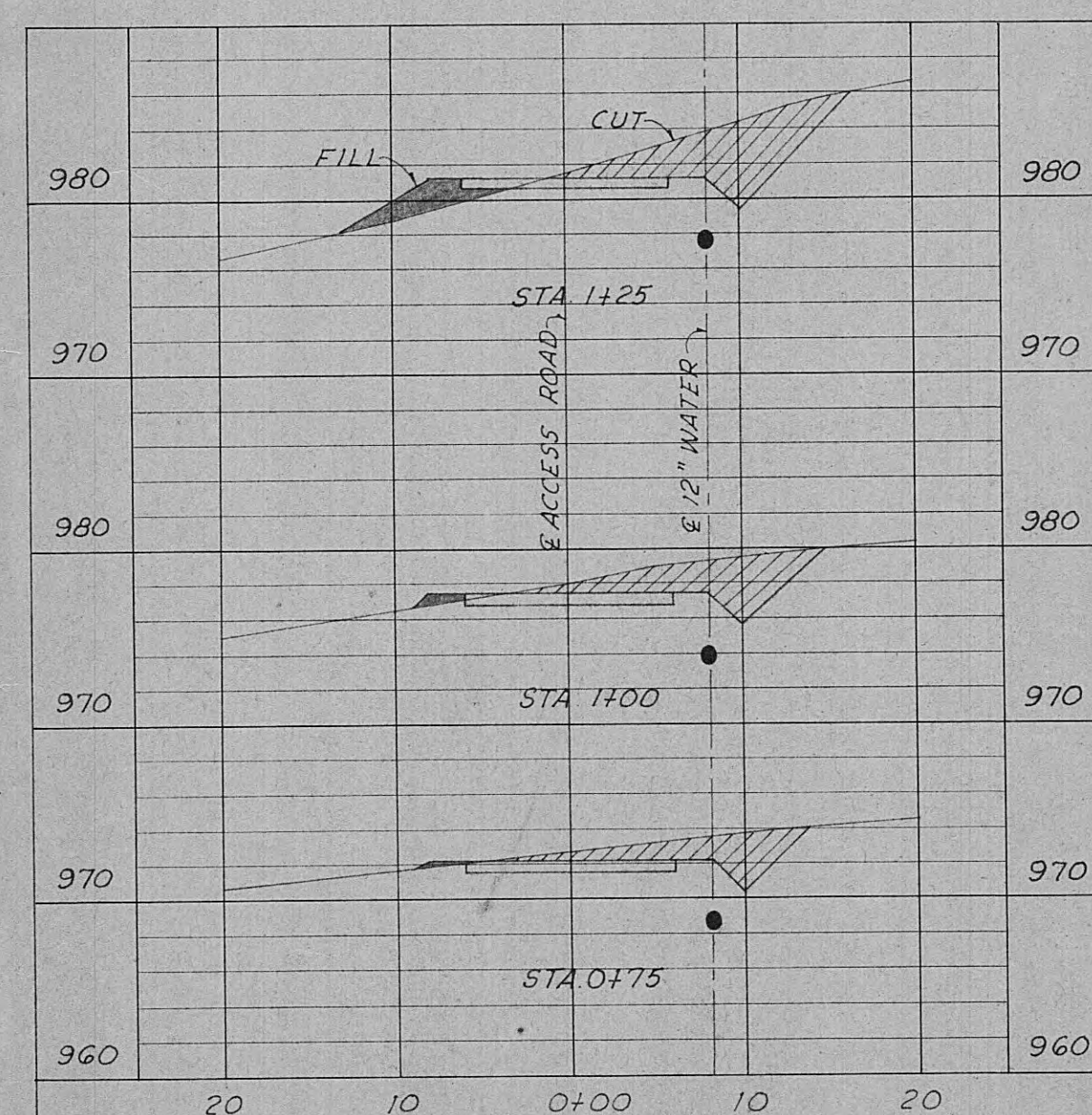
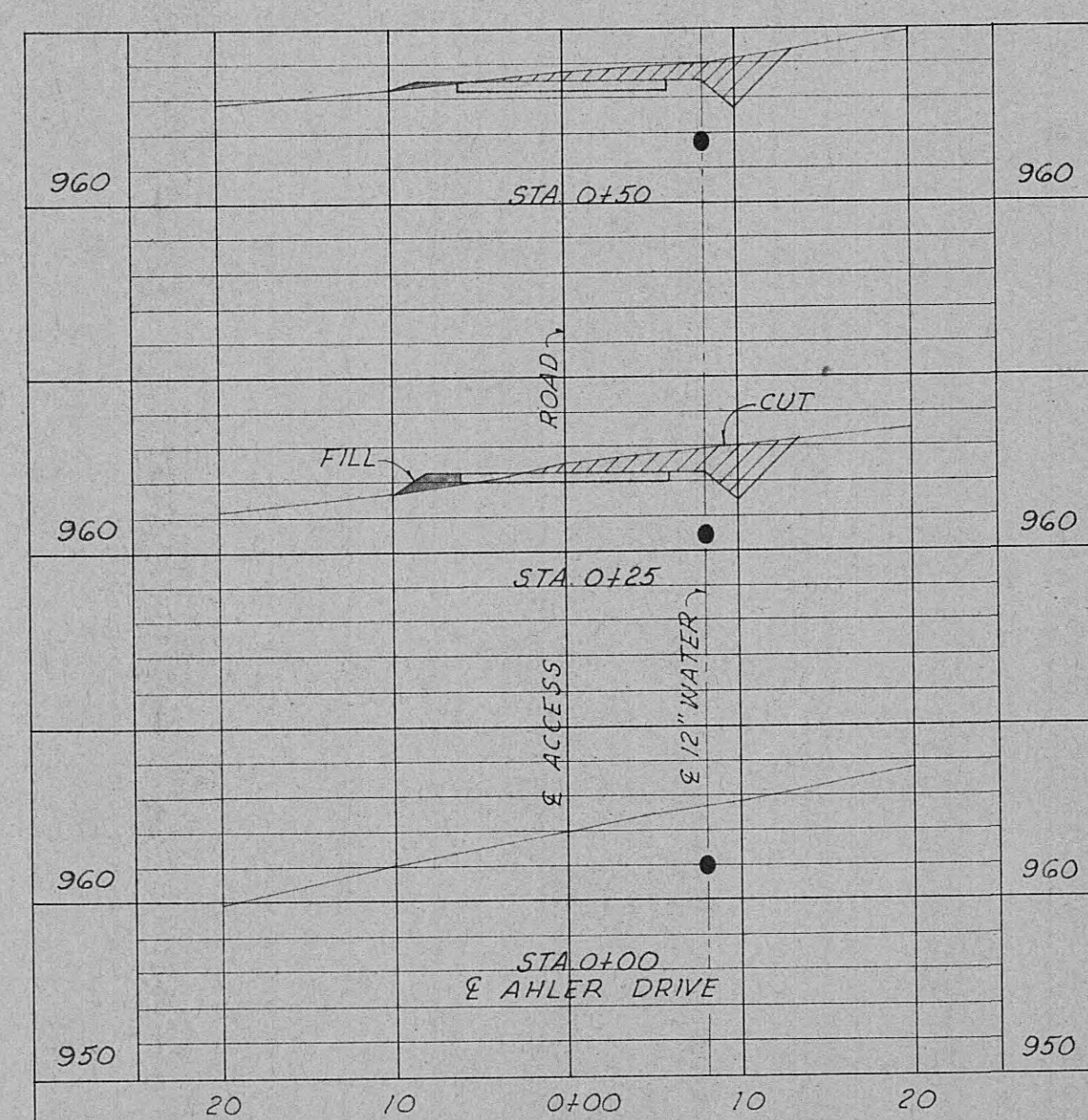
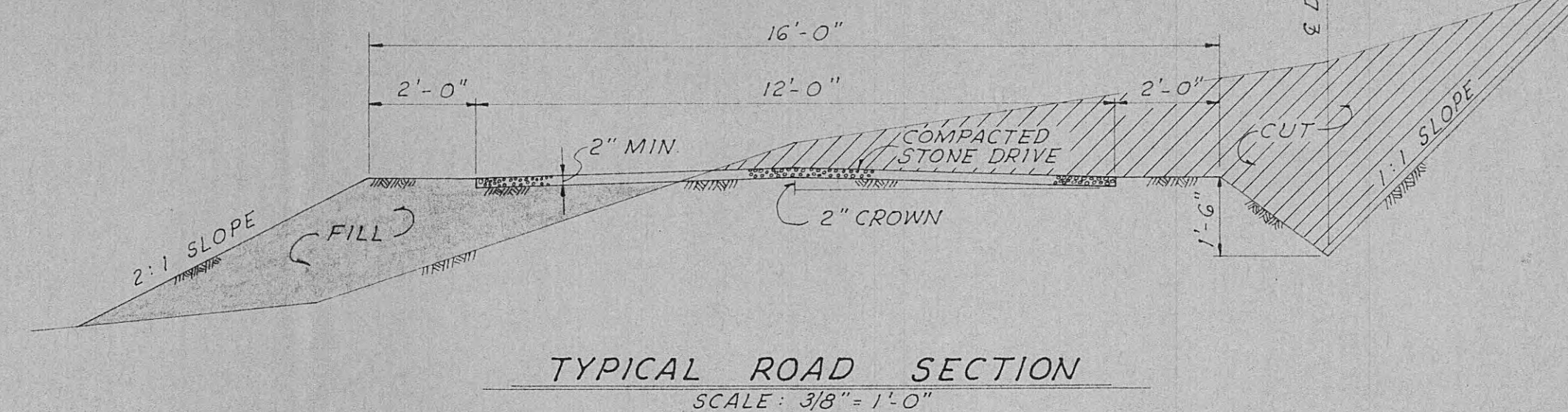
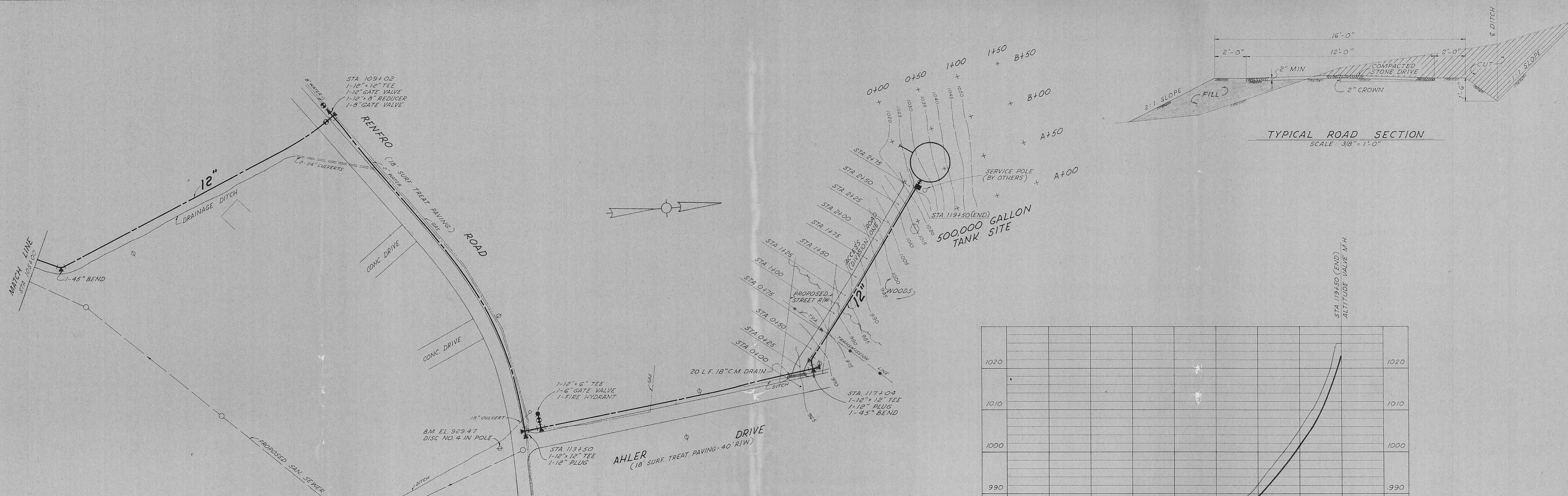
DIVISION ONE

CITY OF HARRIMAN, TENNESSEE
WATER SYSTEM IMPROVEMENTS

12" WATER MAIN & DETAIL

STA. 90+00 TO STA. 105+00

SCALE: 1"=50' HORIZ. 1"=10' VERT. DATE: MARCH, 1968
WIEDEMAN AND SINGLETON ENGINEERS
ATLANTA, GEORGIA



CROSS SECTIONS FOR ACCESS ROAD
DIVISION ONE

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DIVISION OF SANITARY ENGINEERING
BY DIRECTOR

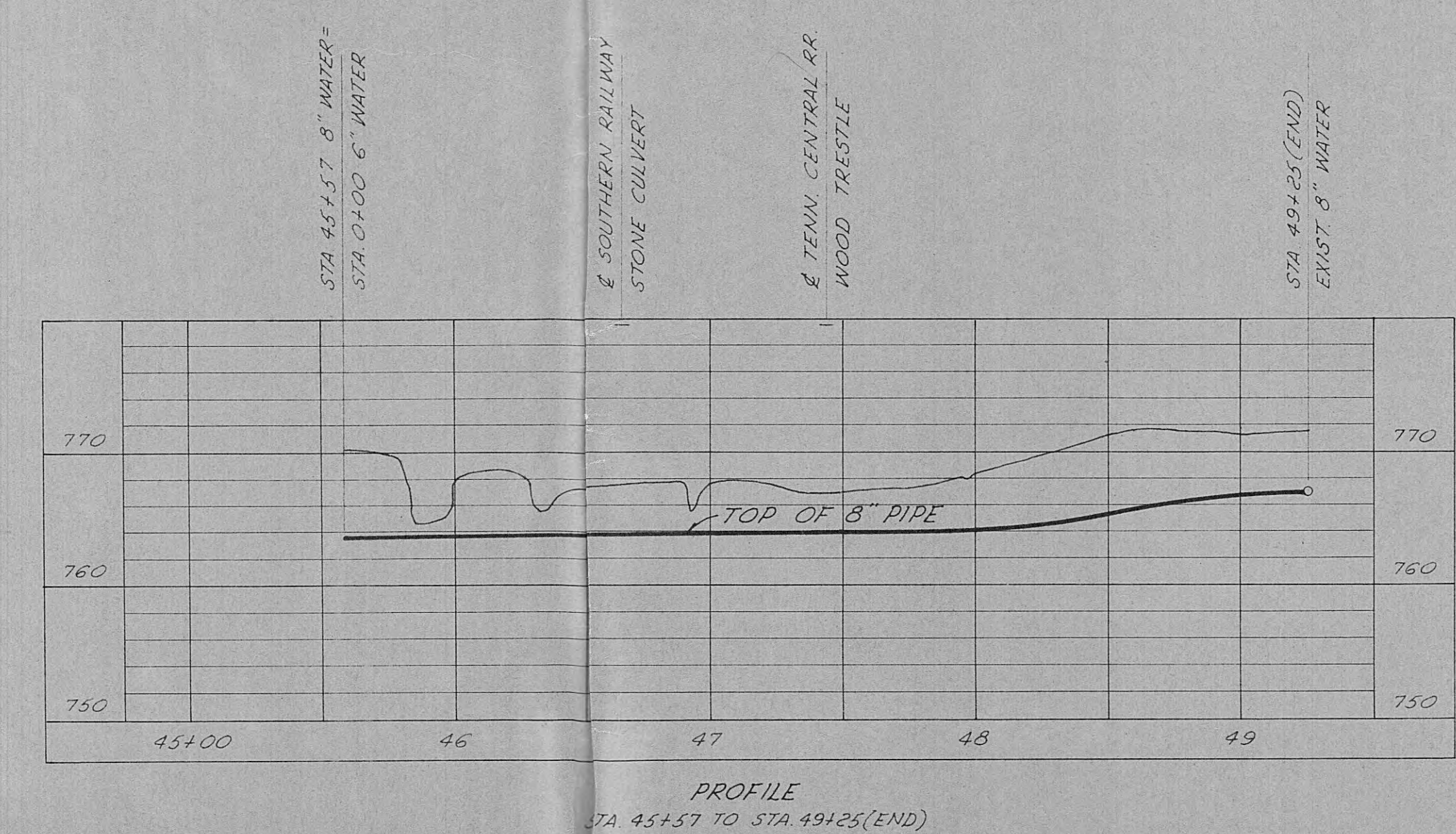
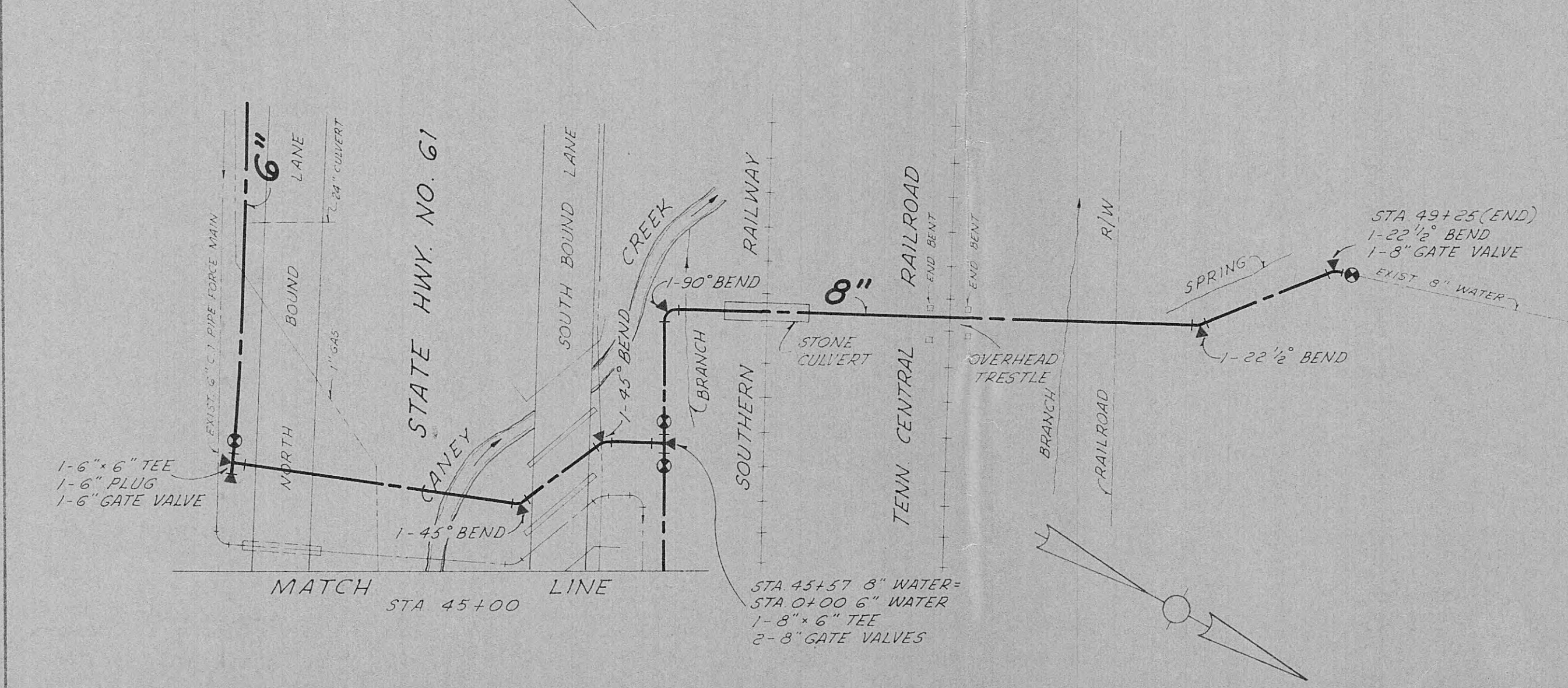
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DIVISION ONE

CITY OF HARRIMAN, TENNESSEE
WATER SYSTEM IMPROVEMENTS

12" WATER MAIN
STA 105+00 TO STA 119+50 (END)
ACCESS ROAD CROSS
SECTIONS

SCALE: 1" = 50' HORIZ, 1" = 10' VERT
DATE: MARCH, 1968
WIEDEMAN AND SINGLETON
ENGINEERS
ATLANTA, GEORGIA
5 OF



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APR 29 1968

TENNESSEE DEPARTMENT OF PUBLIC HEALTH
DIVISION OF SANITARY ENGINEERING

BY _____ DIRECTOR

EDA PROJECT NO. 04-1-00397

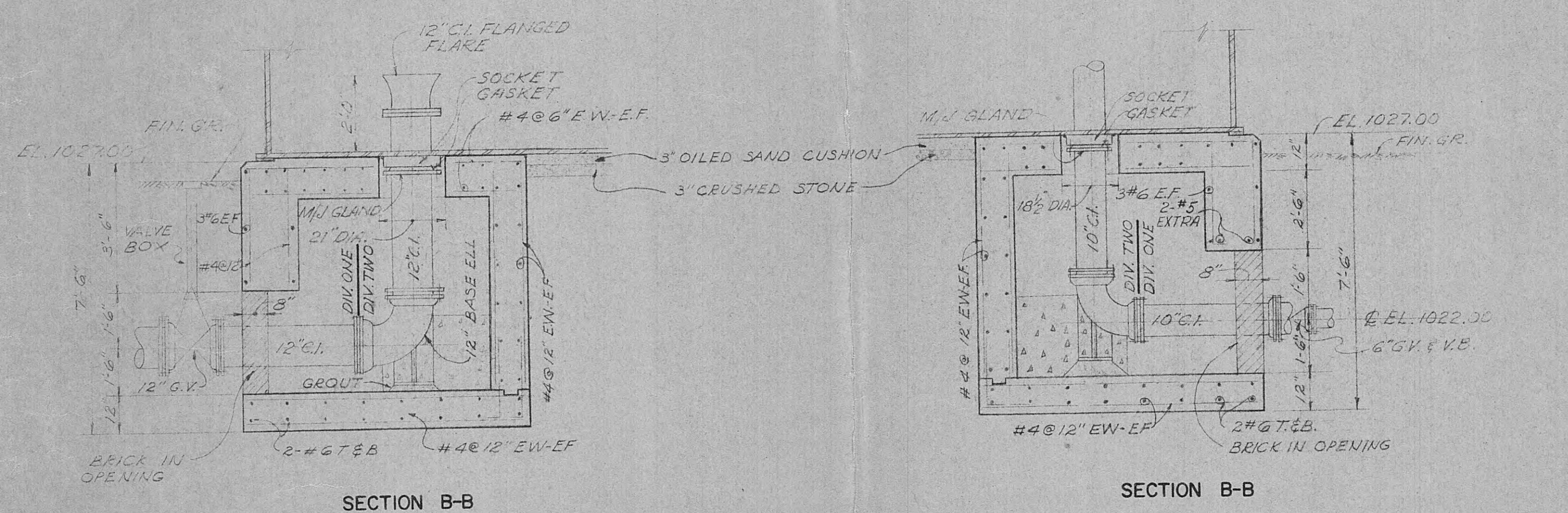
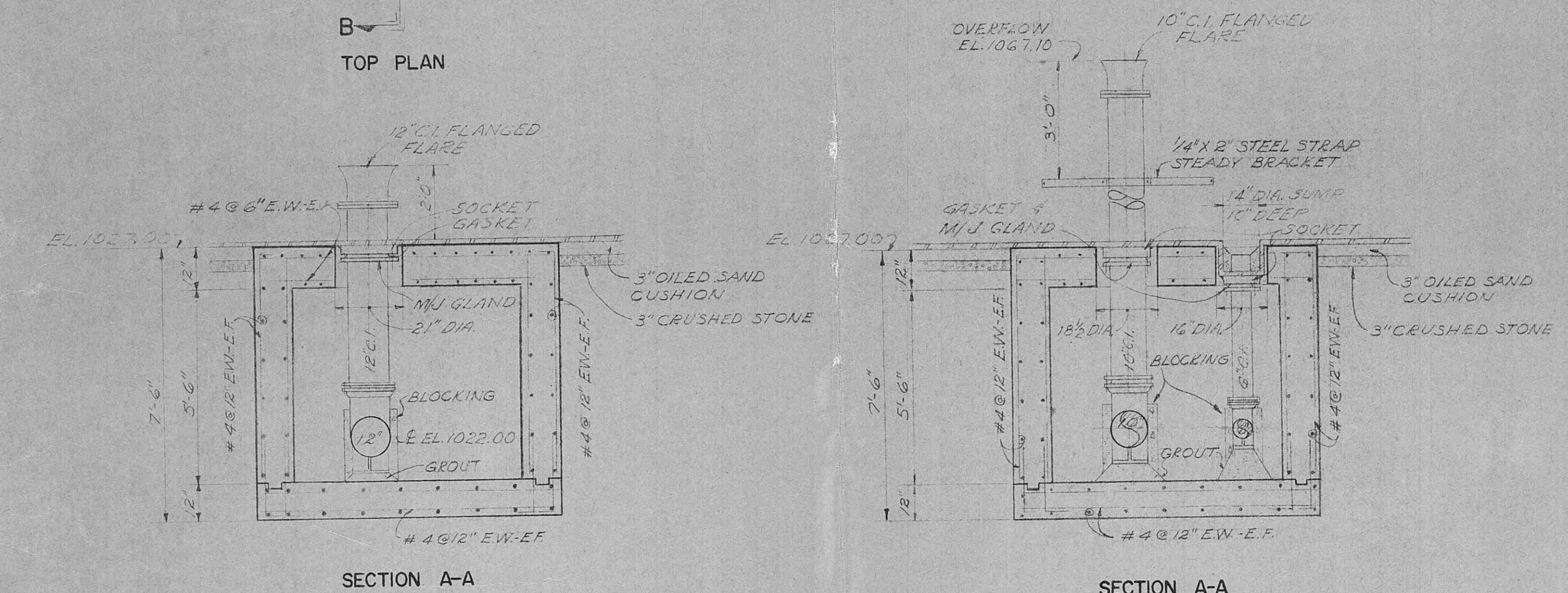
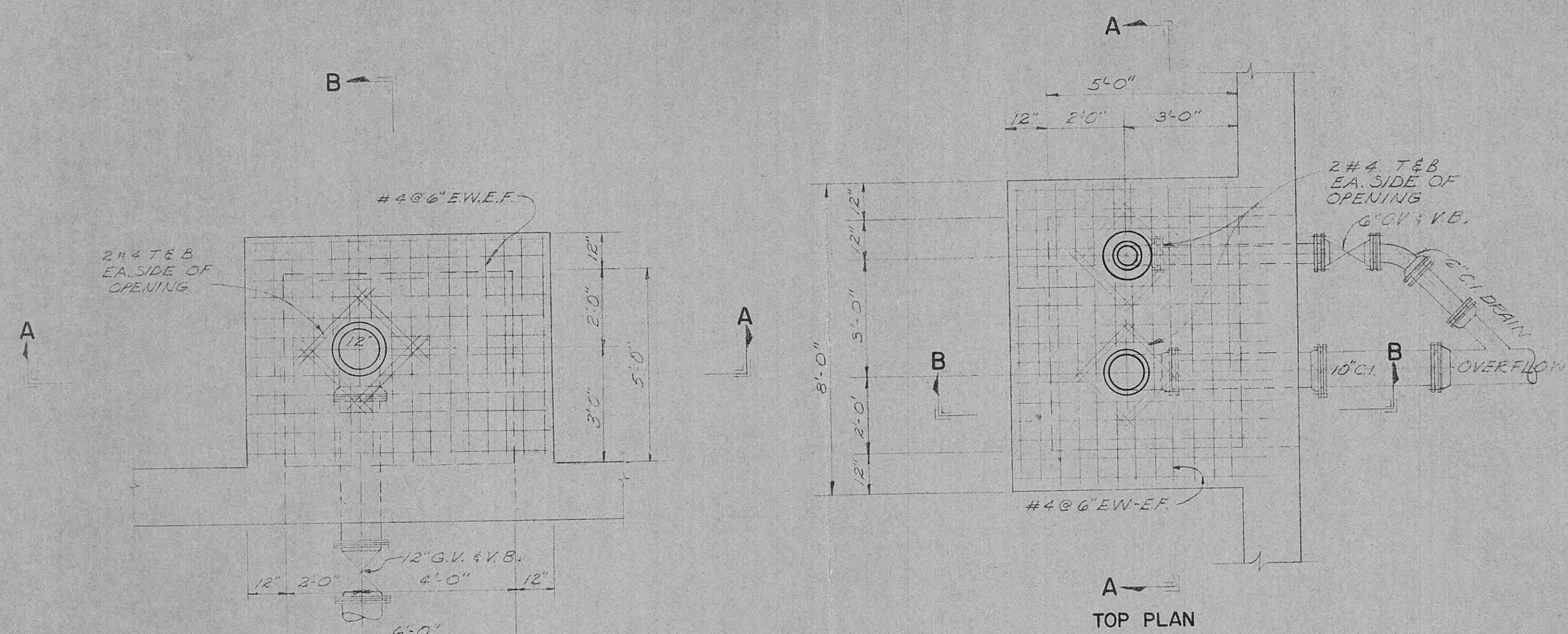
DIVISION ONE

CITY OF HARRIMAN, TENNESSEE
WATER SYSTEM IMPROVEMENTS

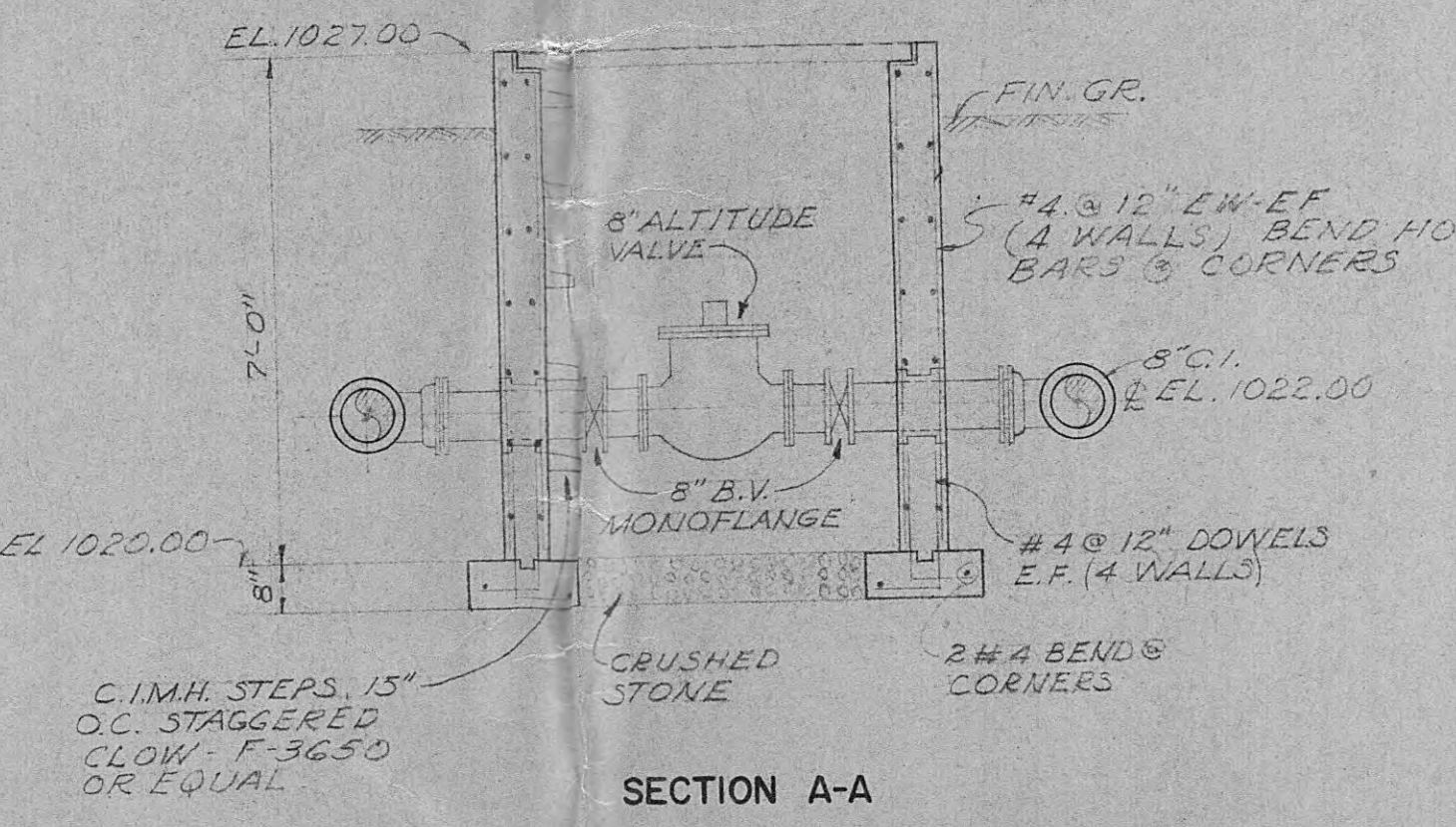
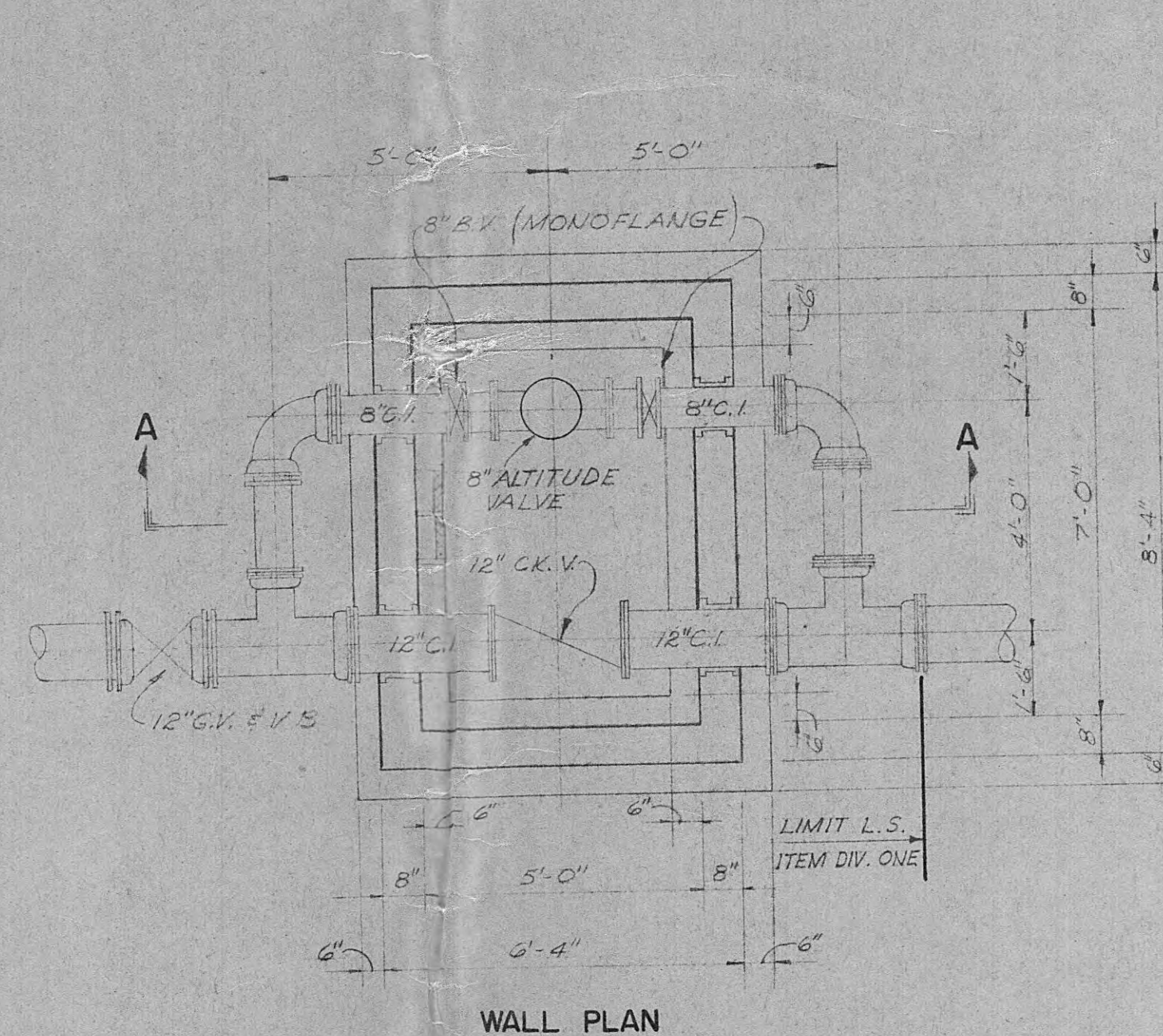
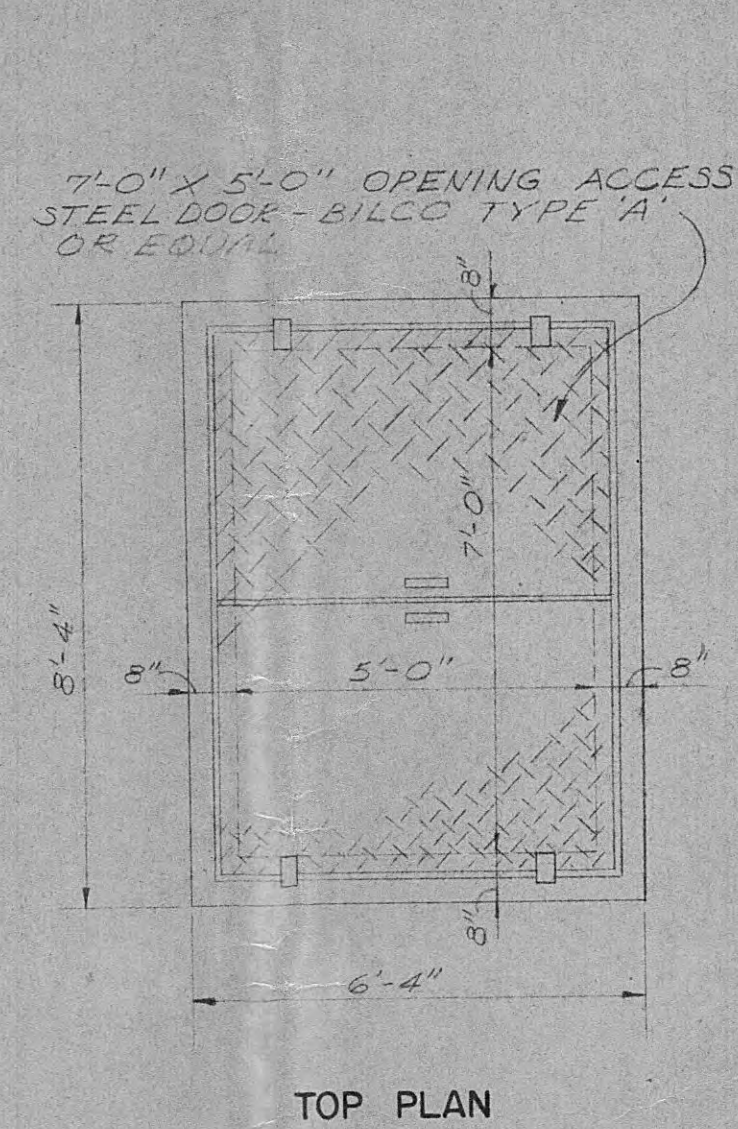
8" WATER MAIN

(BEGIN) STA. 0+21 TO STA. 49+25 (END)

SCALE 1"=50' HORIZ 1"=10' VERT DATE MARCH, 1968	WIEDEMAN AND SINGLETON ENGINEERS ATLANTA GEORGIA	SHEET 6 OF
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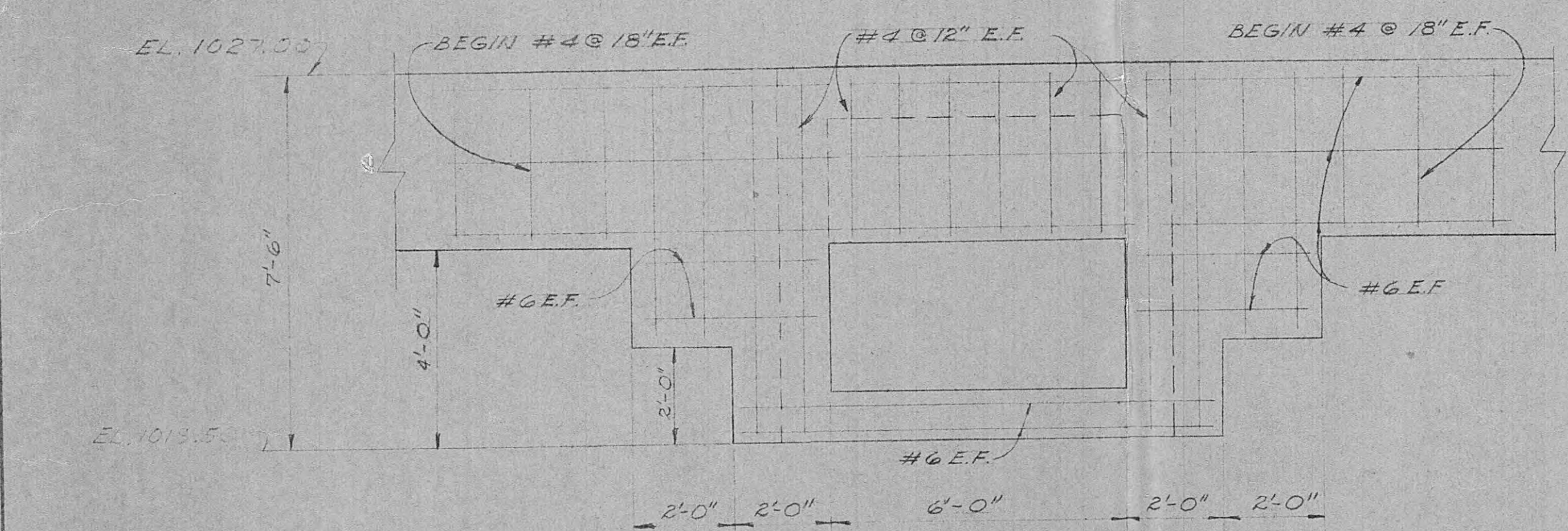


INLET & OUTLET STRUCTURE
SCALE 3/8"=1'-0"

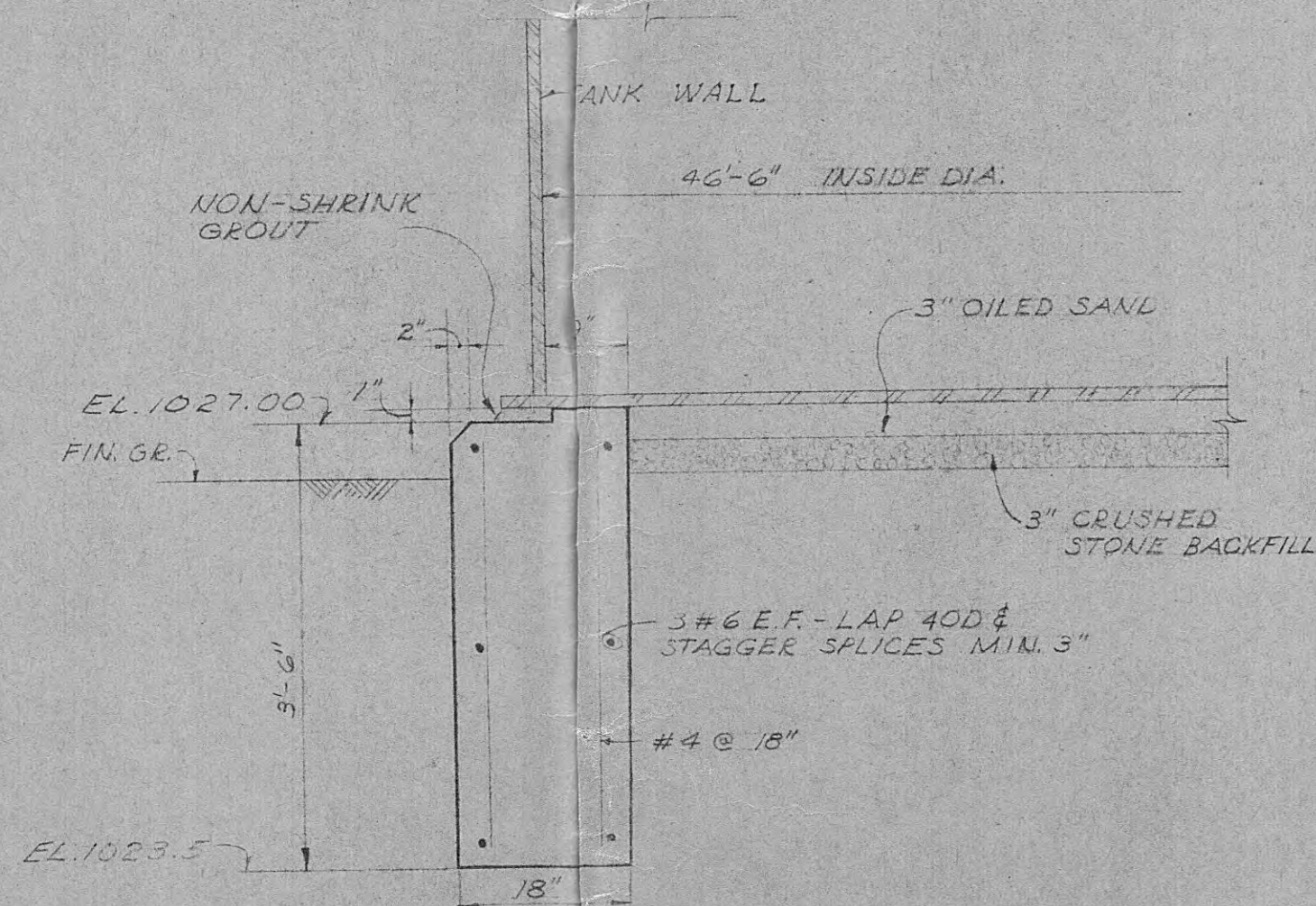


DRAIN & OVERFLOW STRUCTURE
SCALE 3/8"=1'-0"

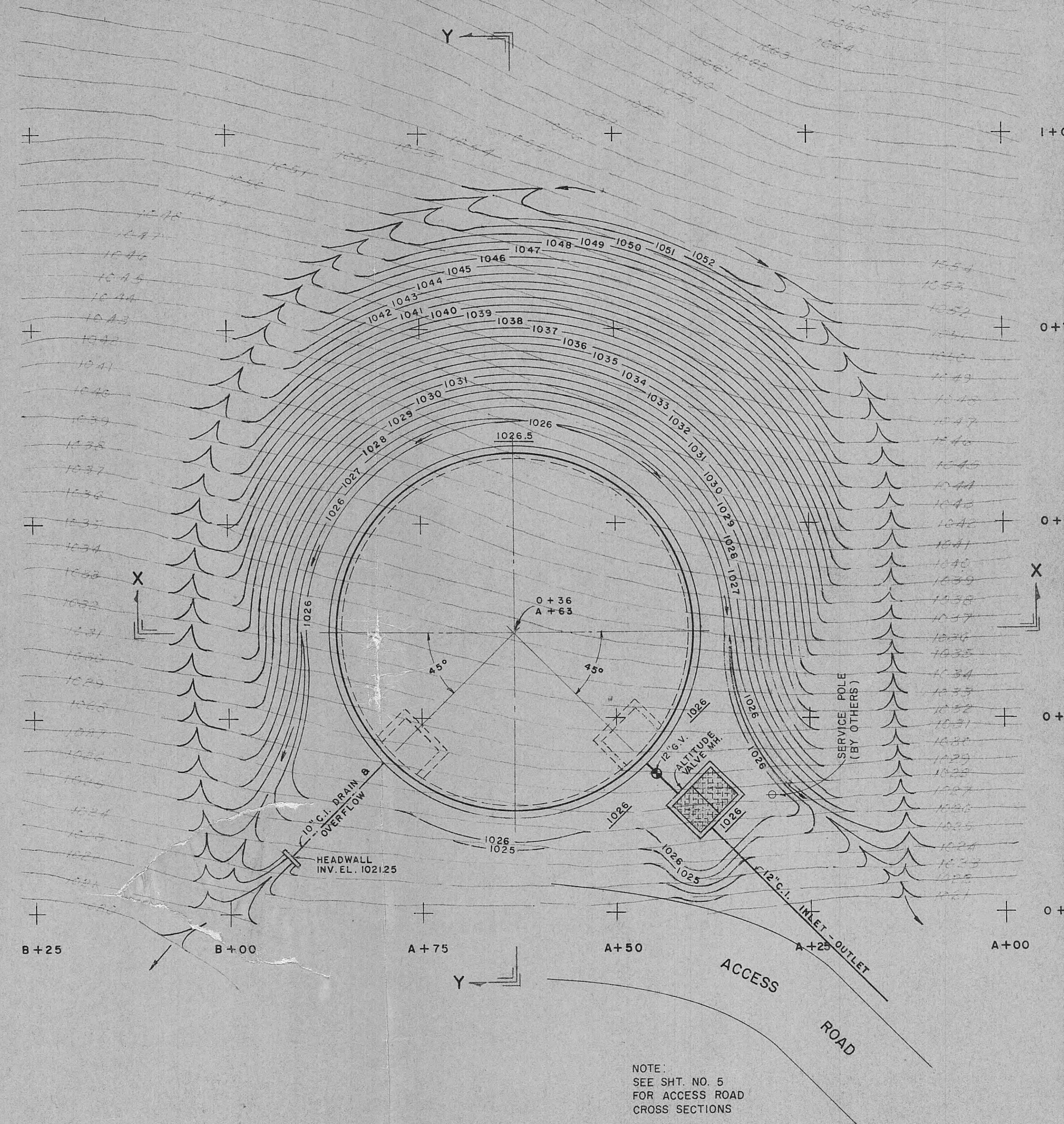
ALTITUDE VALVE MANHOLE (DIVISION ONE)
SCALE 3/8"=1'-0"



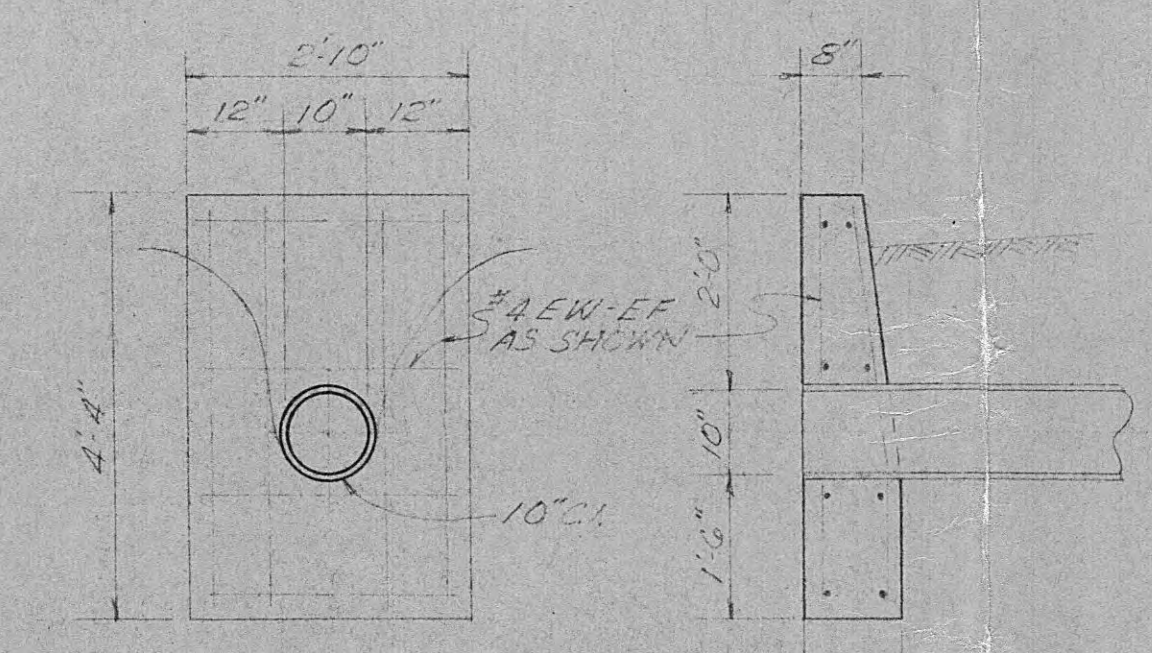
(INLET-OUTLET & DRAIN-OVERFLOW STRUCTURES)
SCALE 3/8"=1'-0"



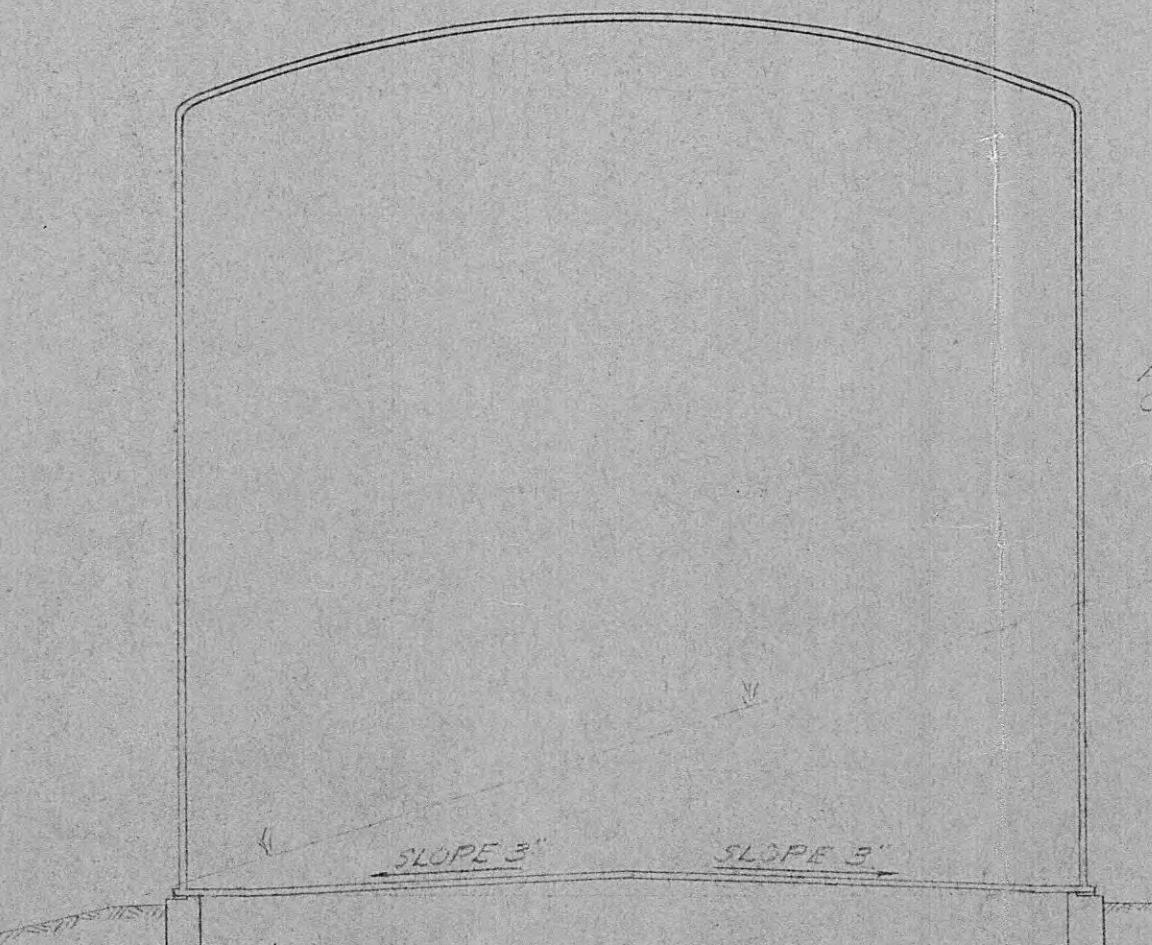
RNG WALL DETAIL
SCALE 3/4"=1'-0"



GENERAL LAYOUT
SCALE 1"=10'

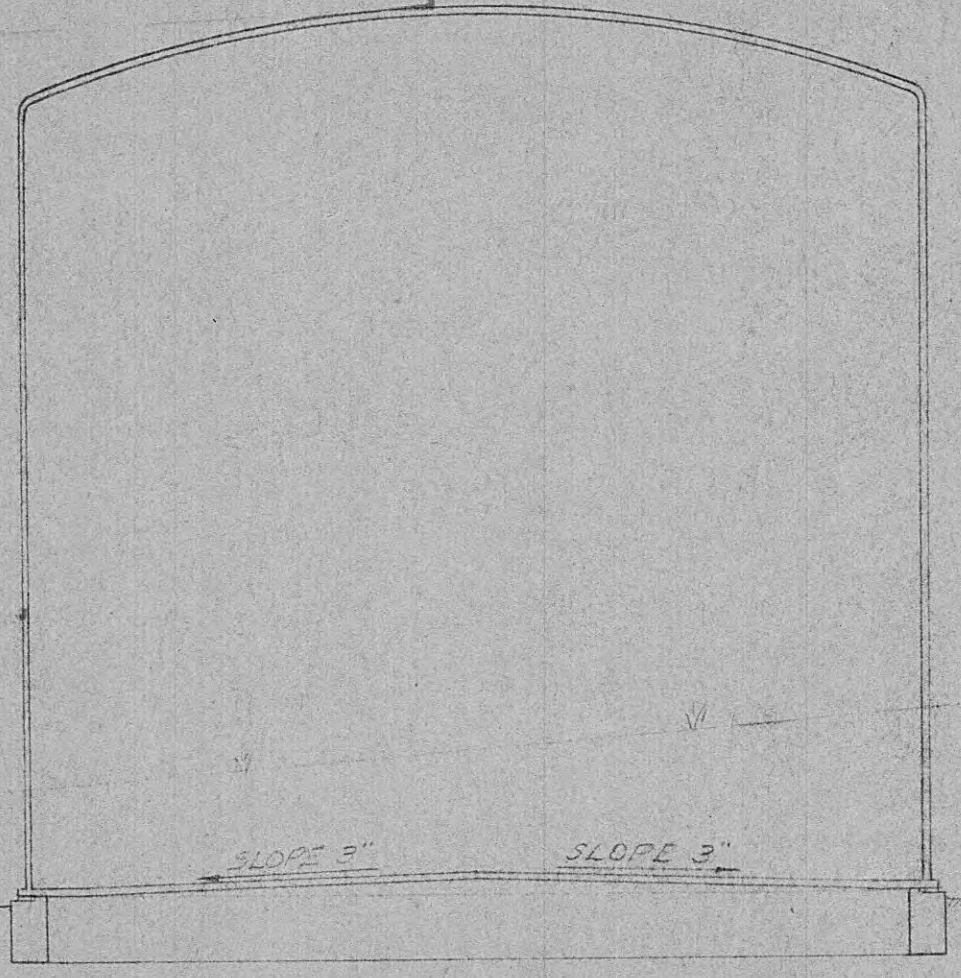


HEADWALL DETAIL
N.T.S.



SECTION Y-Y
SCALE 1"=10'

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DIVISION OF SANITARY ENGINEERING
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SECTION X-X
SCALE 1"=10'

EDA PROJECT NO. 04-1-00397
DIVISION ONE & TWO
CITY OF HARRIMAN, TENNESSEE
WATER SYSTEM IMPROVEMENT

500,000 GALLON STORAGE RESERVOIR

SCALE AS SHOWN
DATE MARCH, 1968
WIEDEMAN AND SINGLETON ENGINEERS
ATLANTA GEORGIA