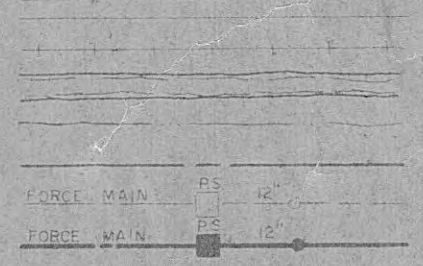


CONTRACT-A-1968



LEGEND

- ROADS
- RAILROADS
- RIVERS
- CREEKS
- APPROXIMATE CORPORATE LIMITS
- EXISTING SEWERS
- PROPOSED SEWERS



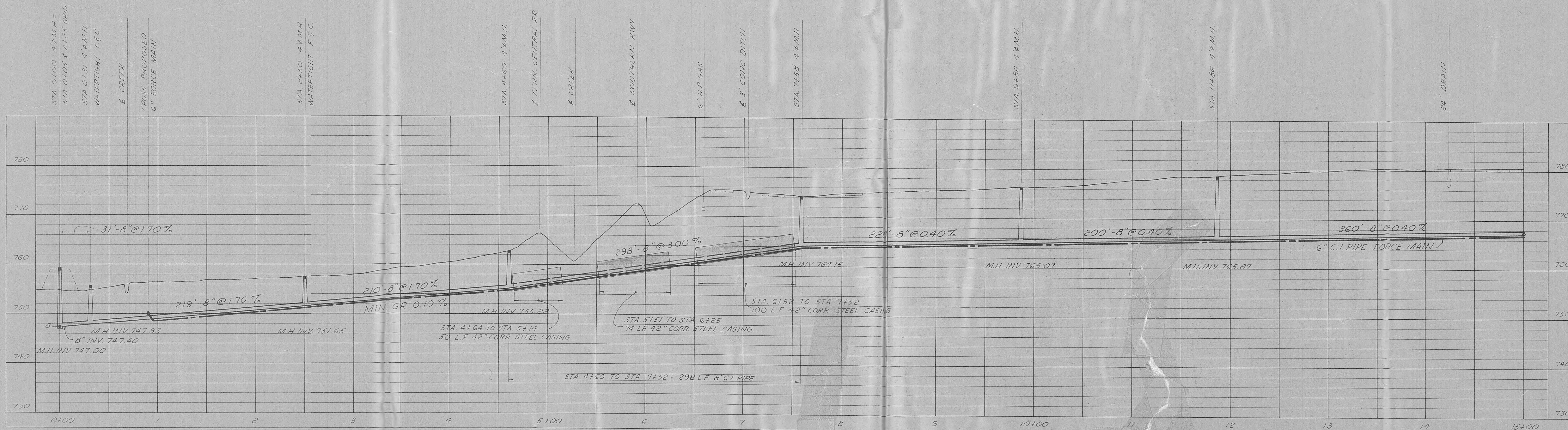
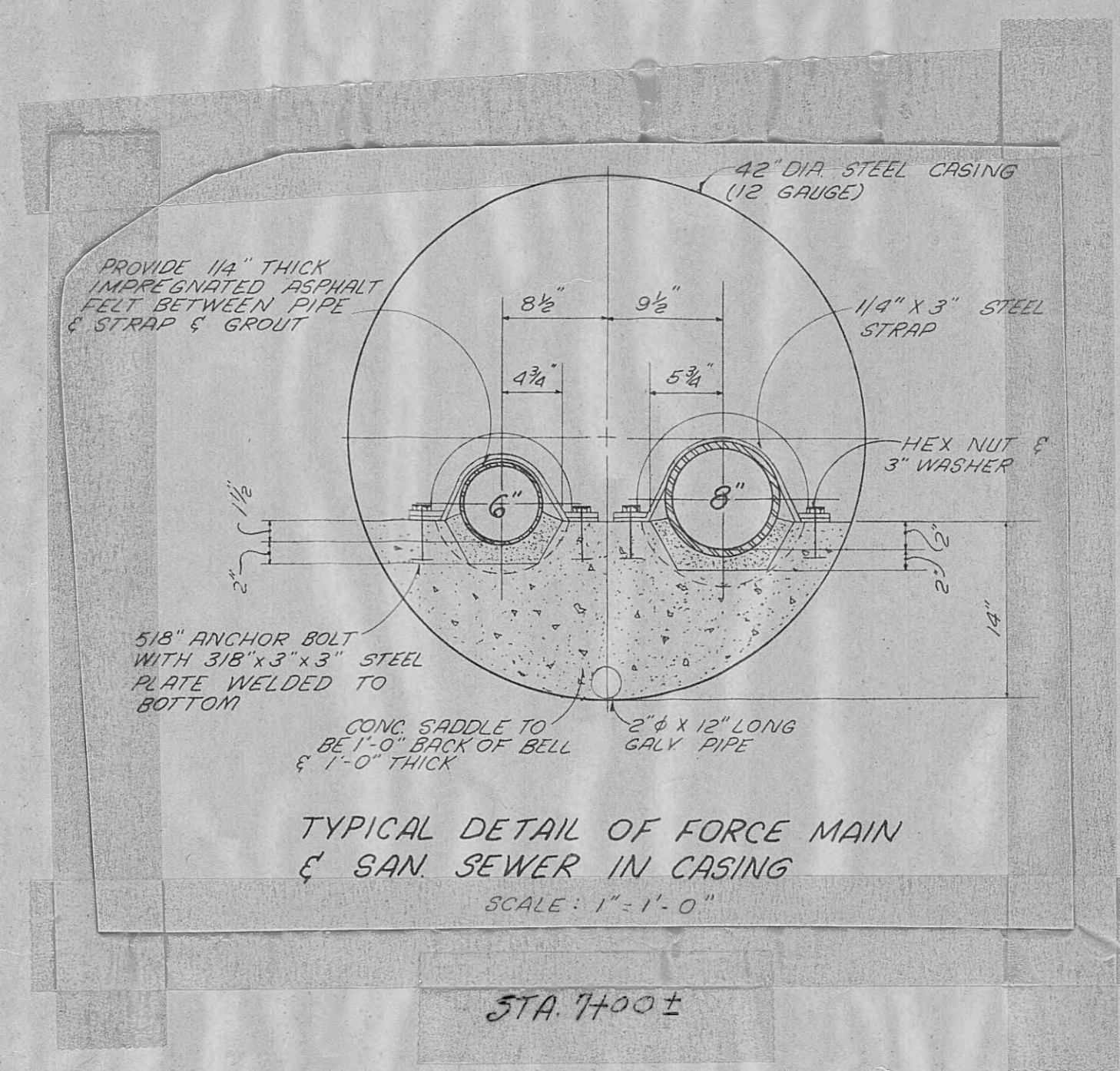
NOTE:
ALL SEWERS 6" UNLESS OTHERWISE SHOWN

CONTRACT-A-1968

CITY OF HARRIMAN, TENNESSEE
SEWERAGE SYSTEM IMPROVEMENTS

LOCATION MAP

SCALE 1" = 800'	WIEDEMAN AND SINGLETON ENGINEERS	SH
DATE JAN. 1968	ATLANTA GEORGIA	DE



CONTRACT-A-1968

CITY OF HARRIMAN, TENNESSEE

SEWERAGE SYSTEM IMPROVEMENTS

PLAN & PROFILE

8" SANITARY SEWER STA. 0+00 TO STA. 15+00

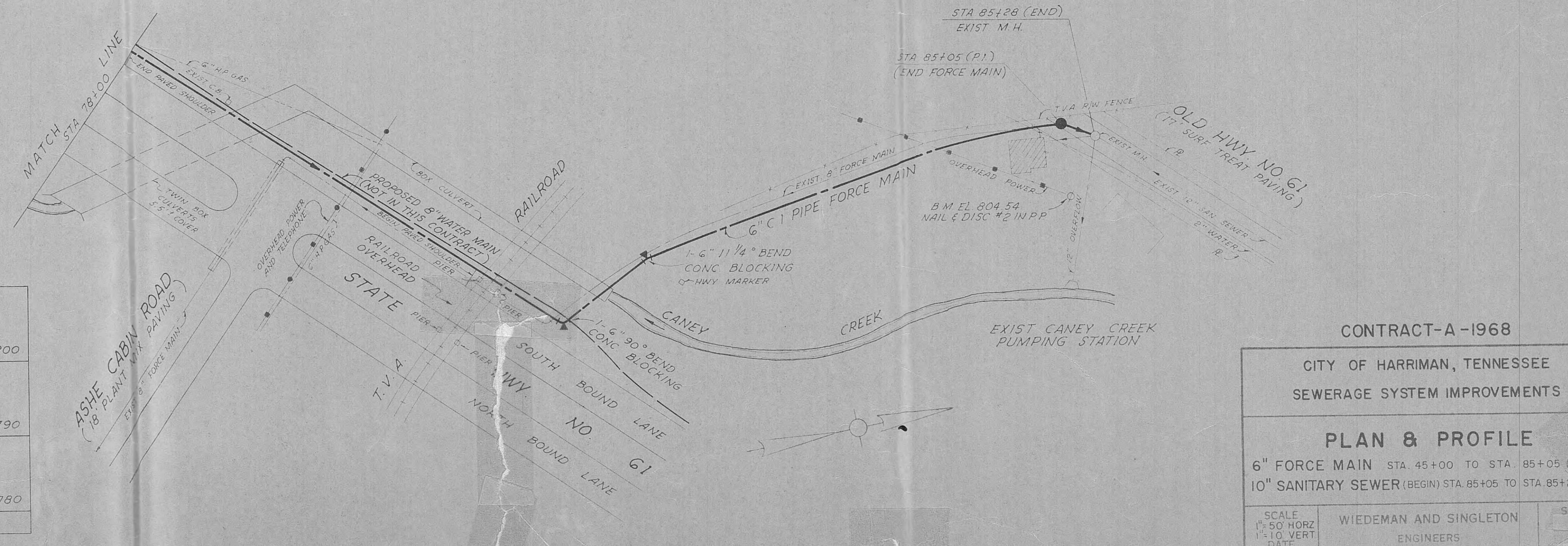
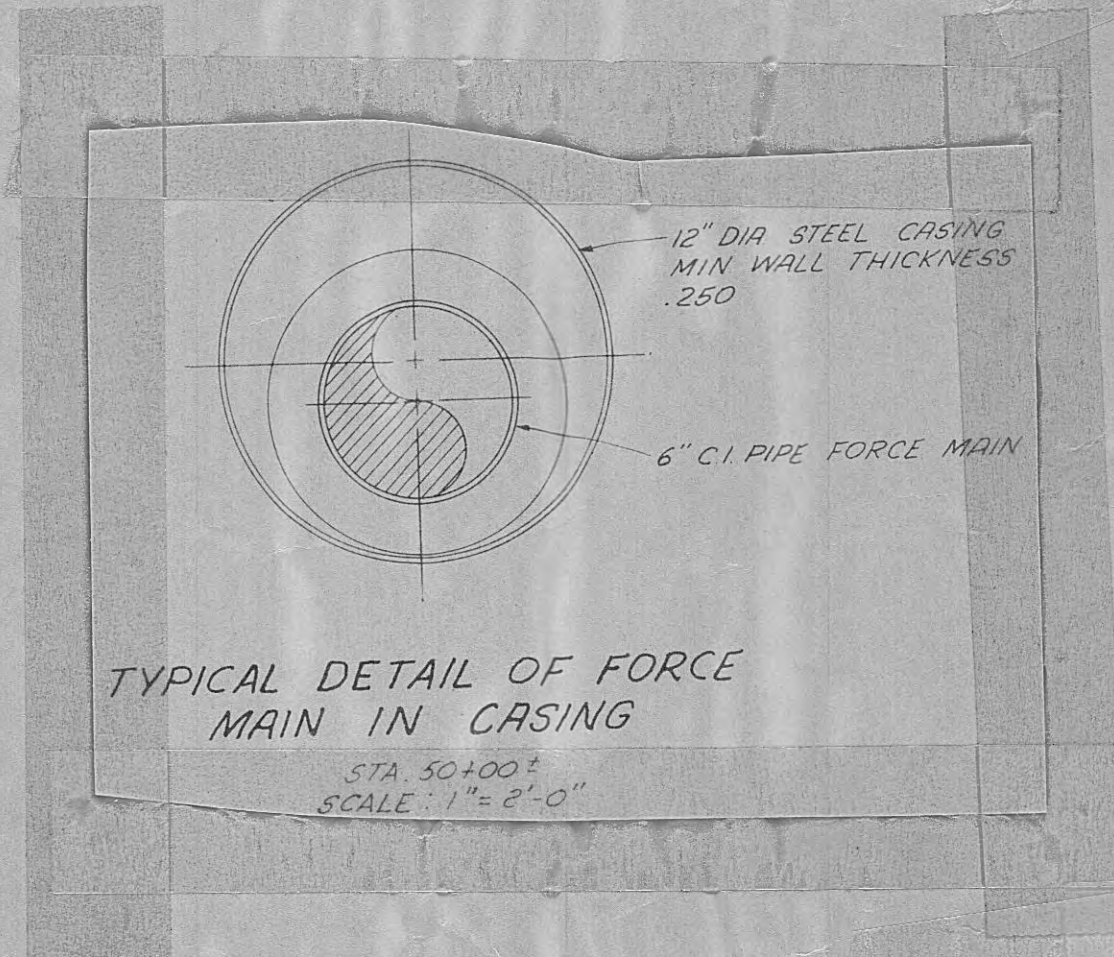
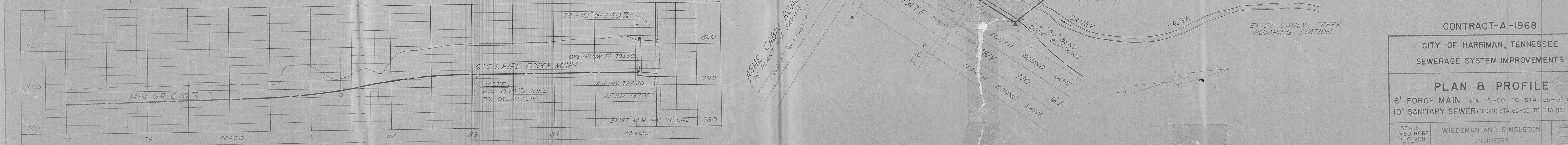
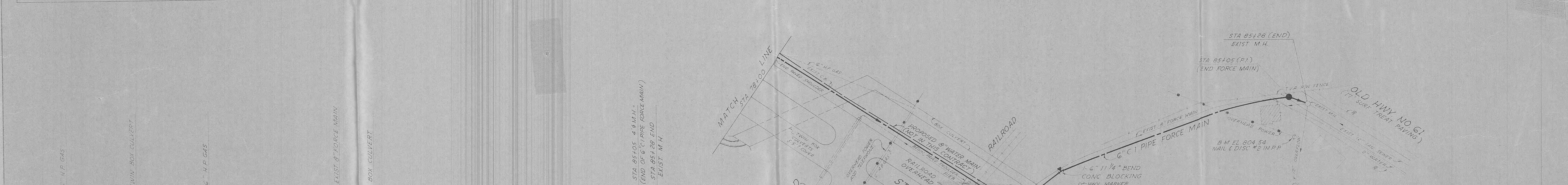
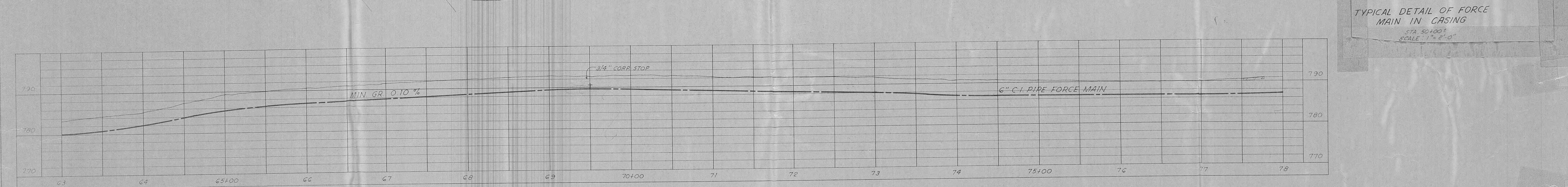
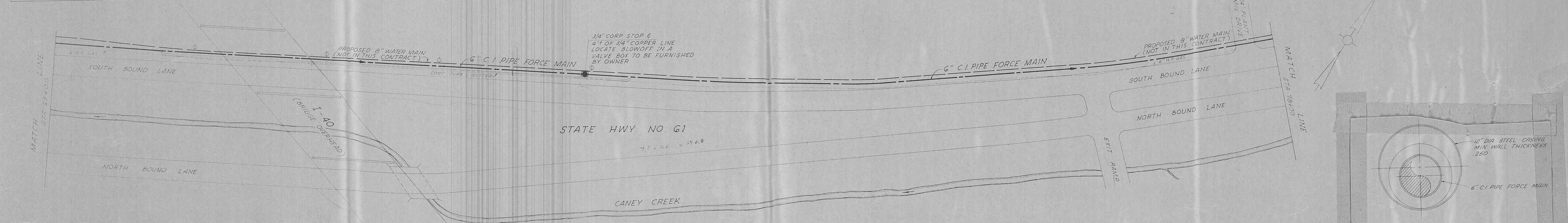
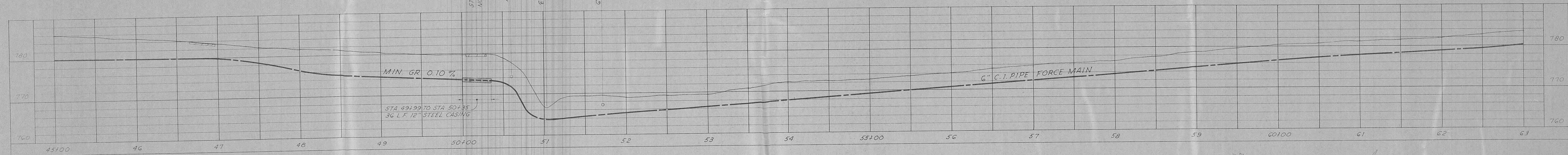
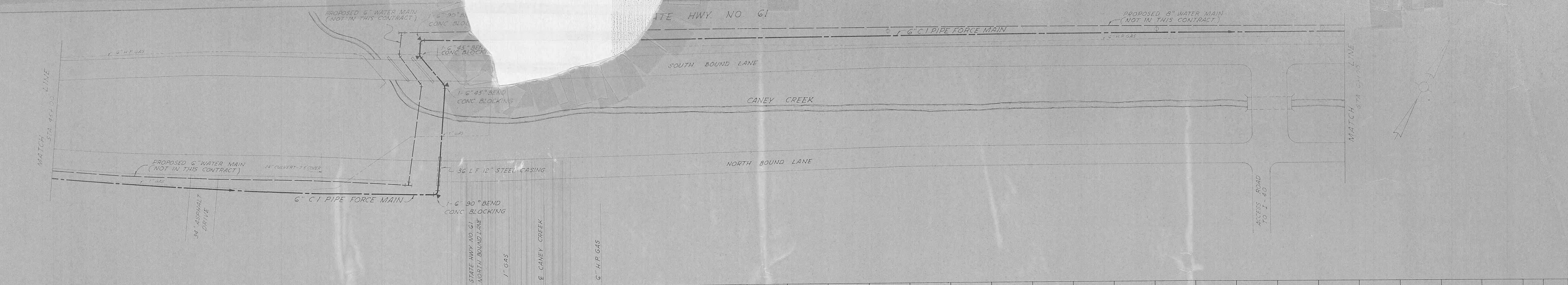
6" FORCE MAIN (BEGIN) STA. 0+30 TO STA. 15+00

SCALE: 1" = 150' HORIZ.
1" = 10' VERT.

DATE: JAN., 1968

WIEDEMAN AND SINGLETON
ENGINEERS
ATLANTA GEORGIA

SHEET
2
OF 7



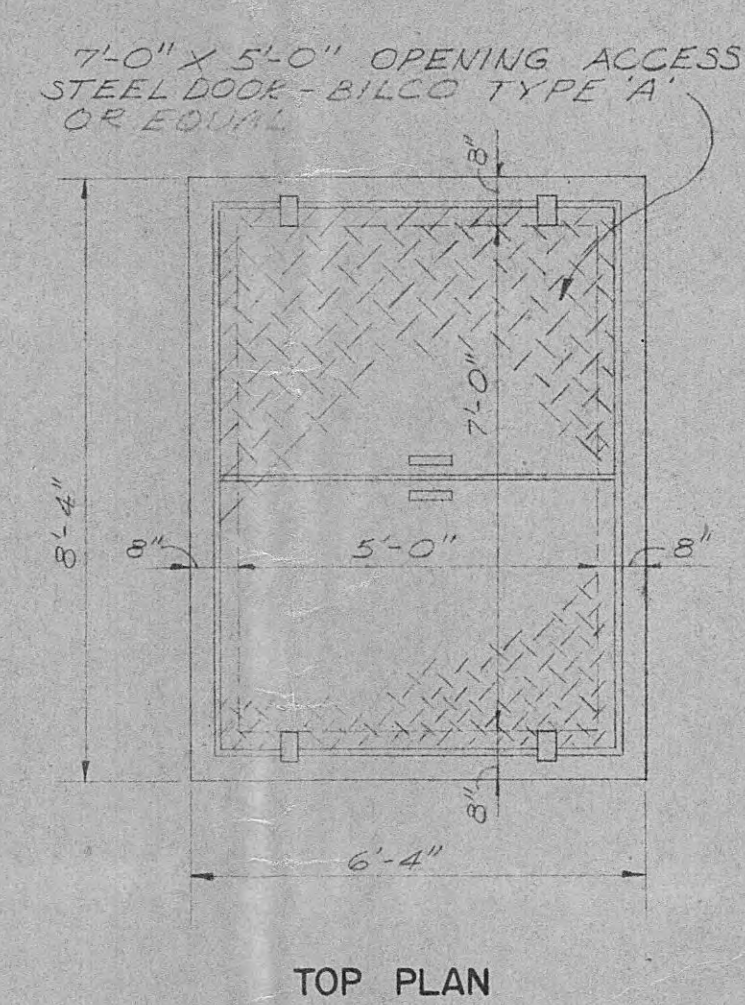
CONTRACT-A-1968

CITY OF HARRIMAN, TENNESSEE
SEWERAGE SYSTEM IMPROVEMENTS

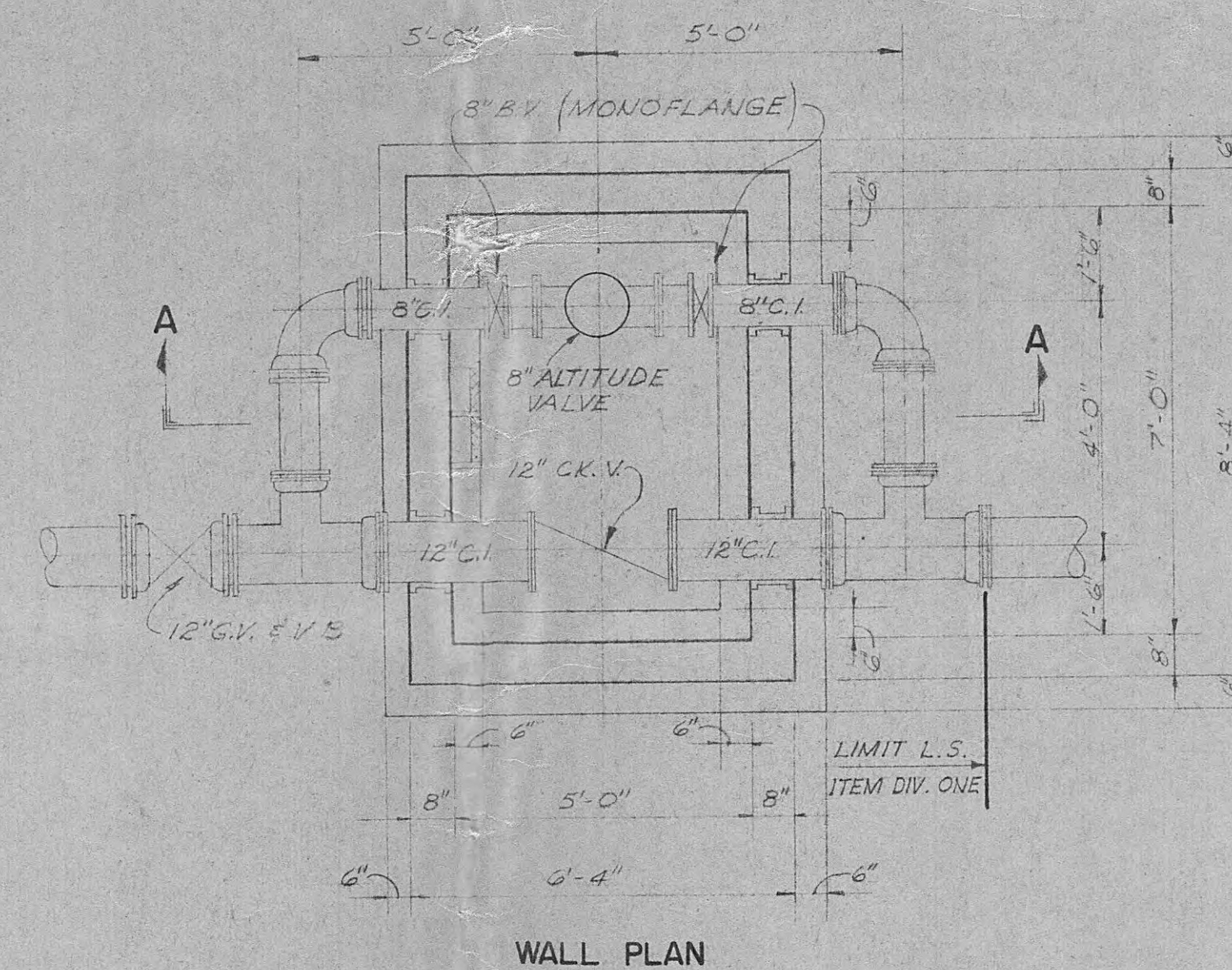
PLAN & PROFILE

6" FORCE MAIN STA. 45+00 TO STA. 85+05
10" SANITARY SEWER (BEGIN) STA. 85+05 TO STA. 85+20

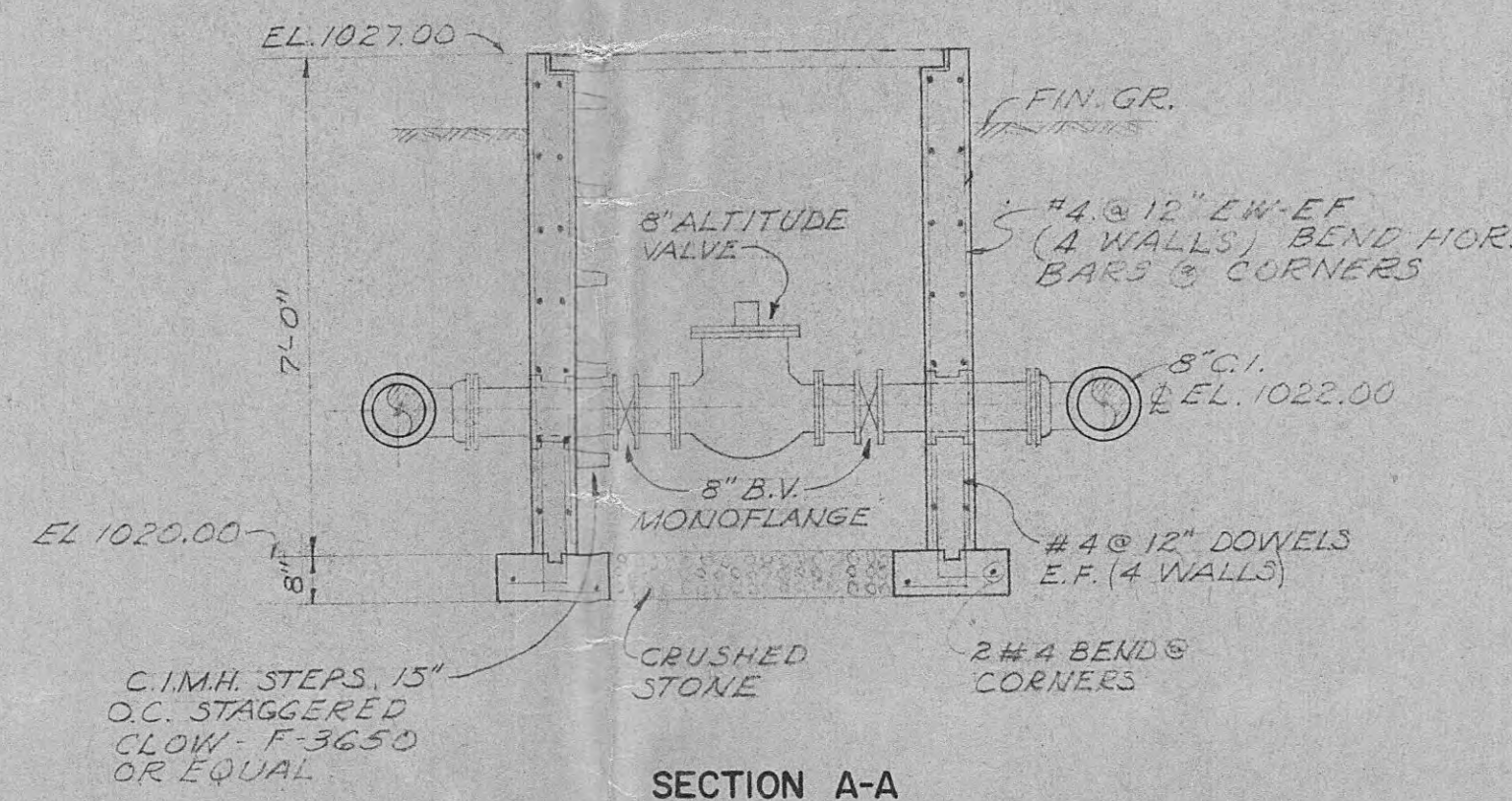
SCALE
1" = 50' HORIZ.
1" = 10' VERT.
DATE
JAN. 1968
WIEDEMAN AND SINGLETON
ENGINEERS
ATLANTA GEORGIA



TOP PLAN



WALL PLAN

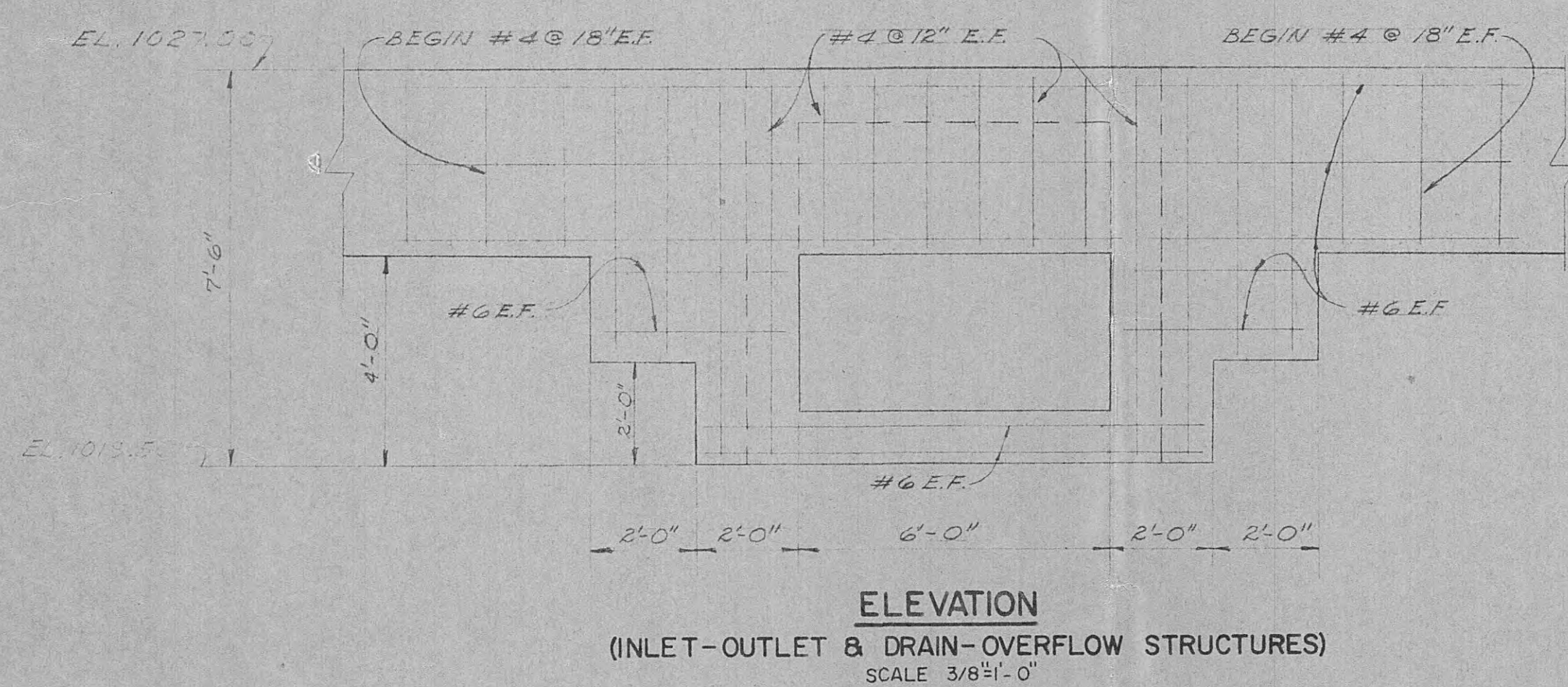


SECTION A-A

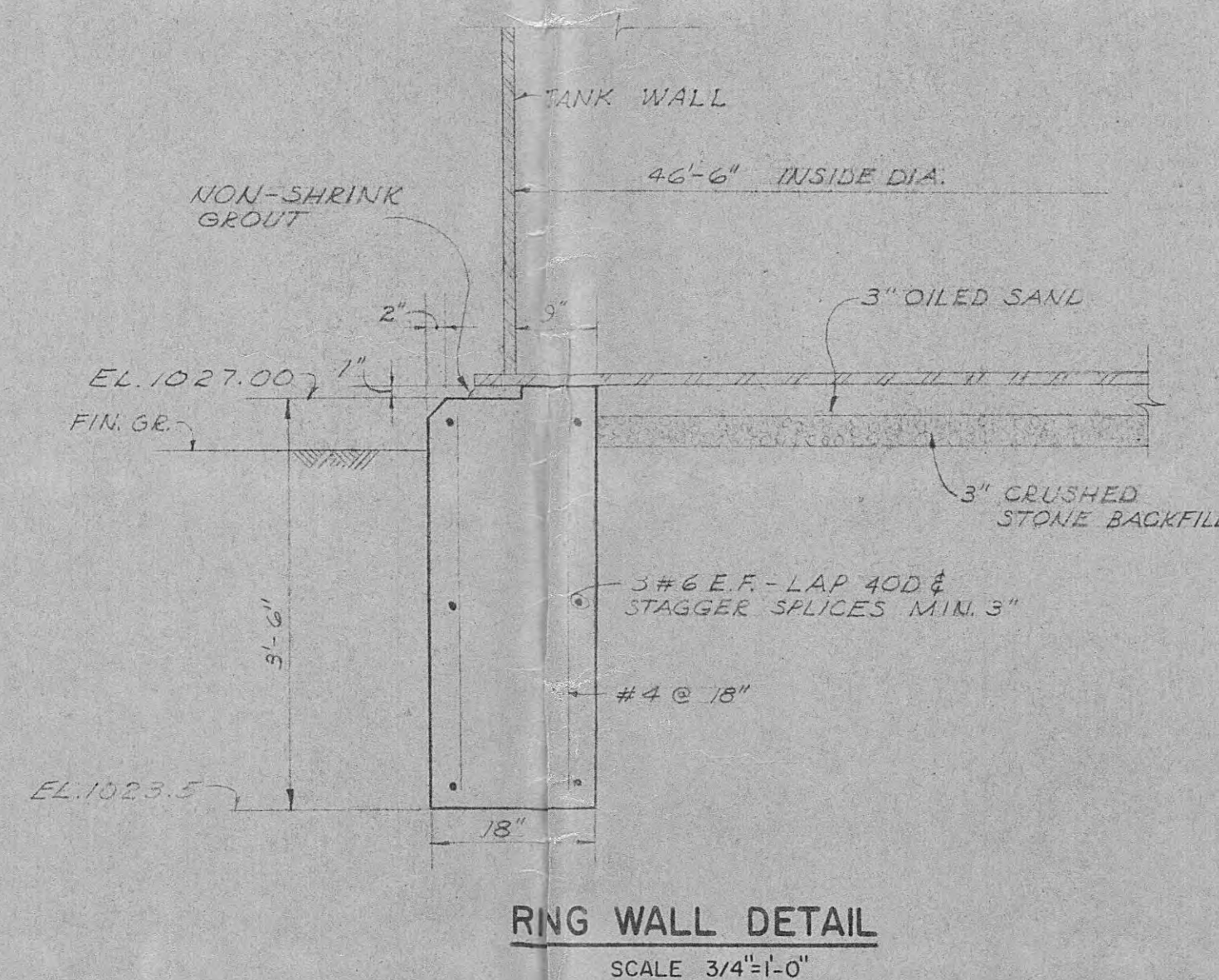
INLET & OUTLET STRUCTURE
SCALE 3/8"=1'-0"

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

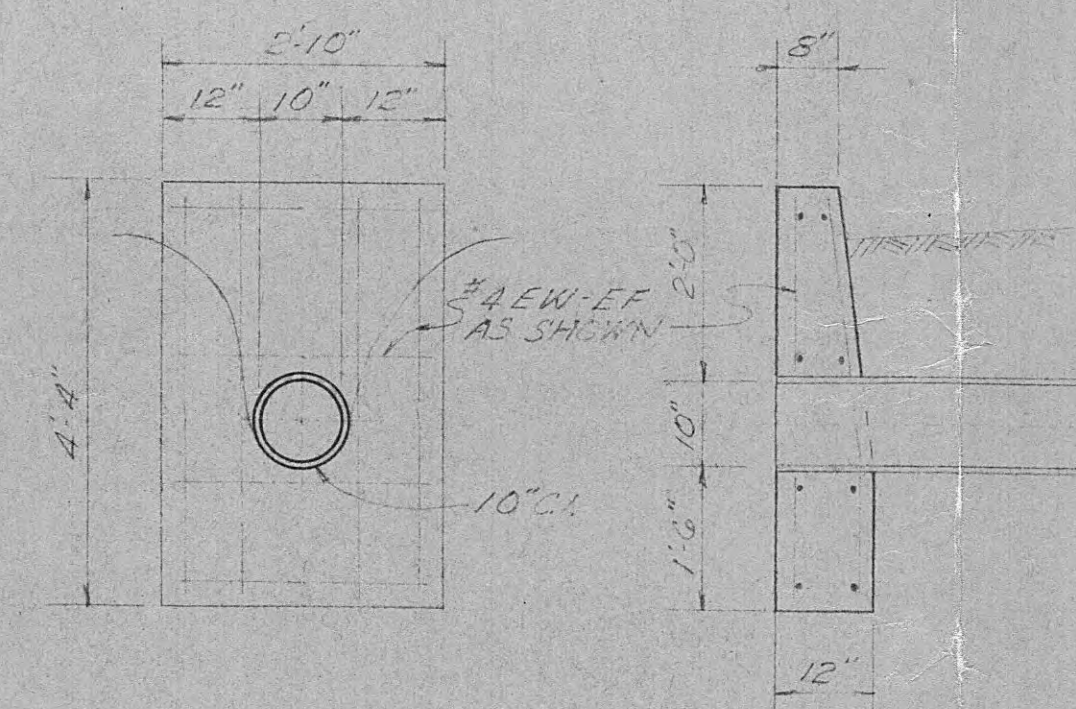
ALTITUDE VALVE MANHOLE
(DIVISION ONE)
SCALE : 3/8" = 1'-0"



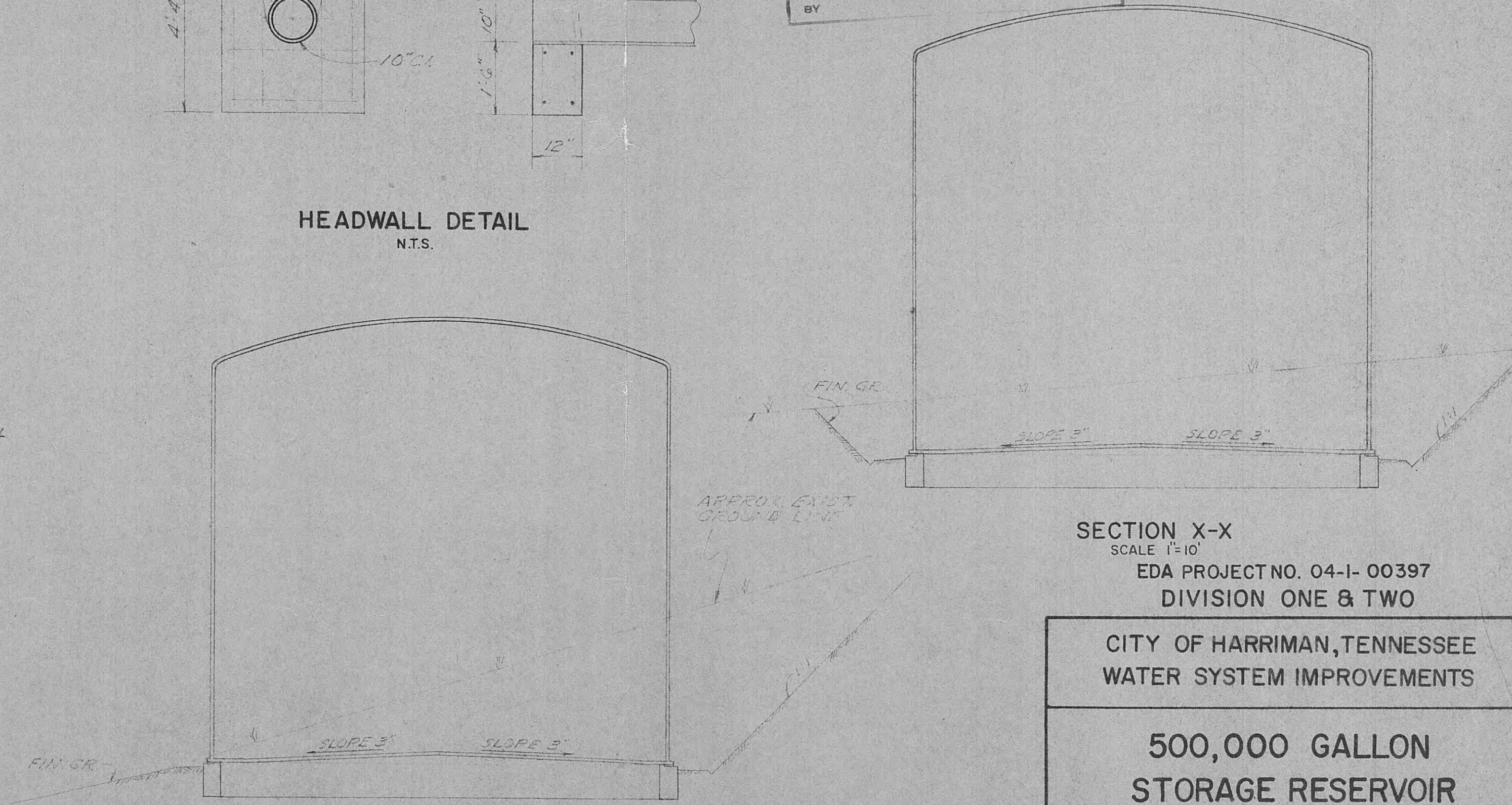
ELEVATION
(INLET-OUTLET & DRAIN-OVERFLOW STRUCTURES)
SCALE 3/8"=1'-0"



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



HEADWALL DETAIL
N.T.S.



SECTION X-X
SCALE 1"=10'
EDA PROJECT NO. 04-I- 00397
DIVISION ONE & TWO

CITY OF HARRIMAN, TENNESSEE
WATER SYSTEM IMPROVEMENTS

500,000 GALLON
STORAGE RESERVOIR

SCALE AS SHOWN DATE MARCH, 1968	WIEDEMAN AND SINGLETON ENGINEERS ATLANTA GEORGIA	SHEET 8 OF
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LEGEND

ROADS
RAILROADS
RIVERS
CREEKS
EXISTING WATER
PROPOSED WATER
APPROXIMATE CORPORATE LIMITS

0' 1" 2" 3" 4" 5" 6" 7" 8" 9" 10" 11" 12" 13" 14" 15" 16" 17" 18" 19" 20" 21" 22" 23" 24" 25" 26" 27" 28" 29" 30" 31" 32" 33" 34" 35" 36" 37" 38" 39" 40" 41" 42" 43" 44" 45" 46" 47" 48" 49" 50" 51" 52" 53" 54" 55" 56" 57" 58" 59" 60" 61" 62" 63" 64" 65" 66" 67" 68" 69" 70" 71" 72" 73" 74" 75" 76" 77" 78" 79" 80" 81" 82" 83" 84" 85" 86" 87" 88" 89" 90" 91" 92" 93" 94" 95" 96" 97" 98" 99" 100"

FOR APPROVAL

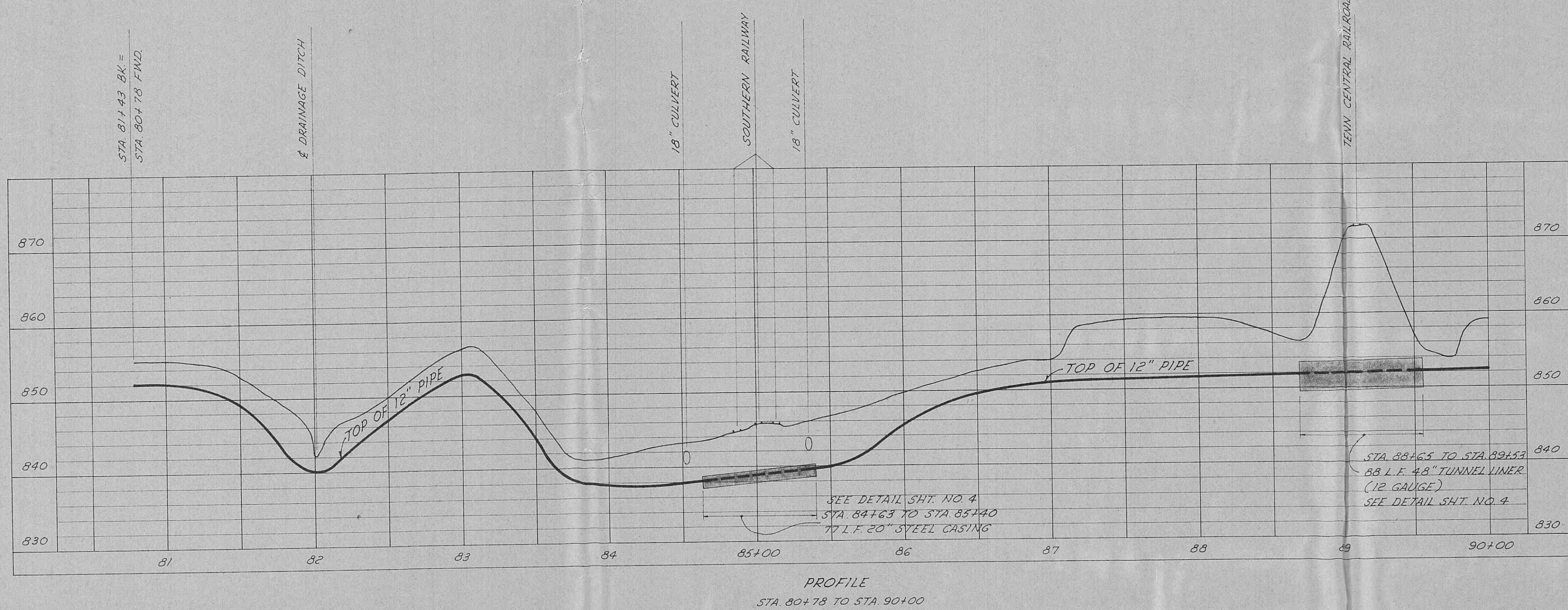
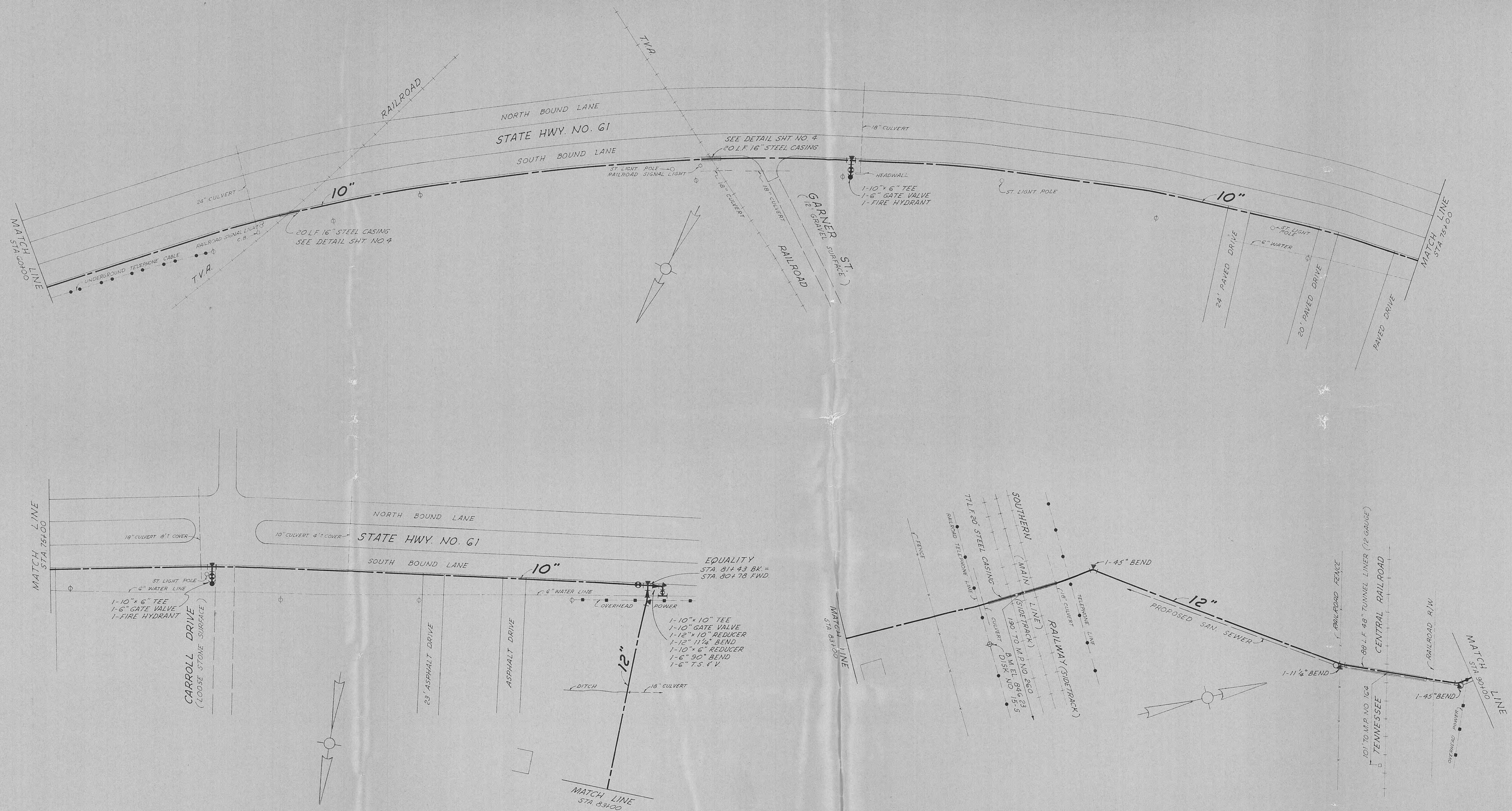
EDA PROJECT NO. 04-1-00397

DIVISION ONE & TWO

CITY OF HARRIMAN, TENNESSEE
WATER SYSTEM IMPROVEMENT

LOCATION MAP

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



APPROVED

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

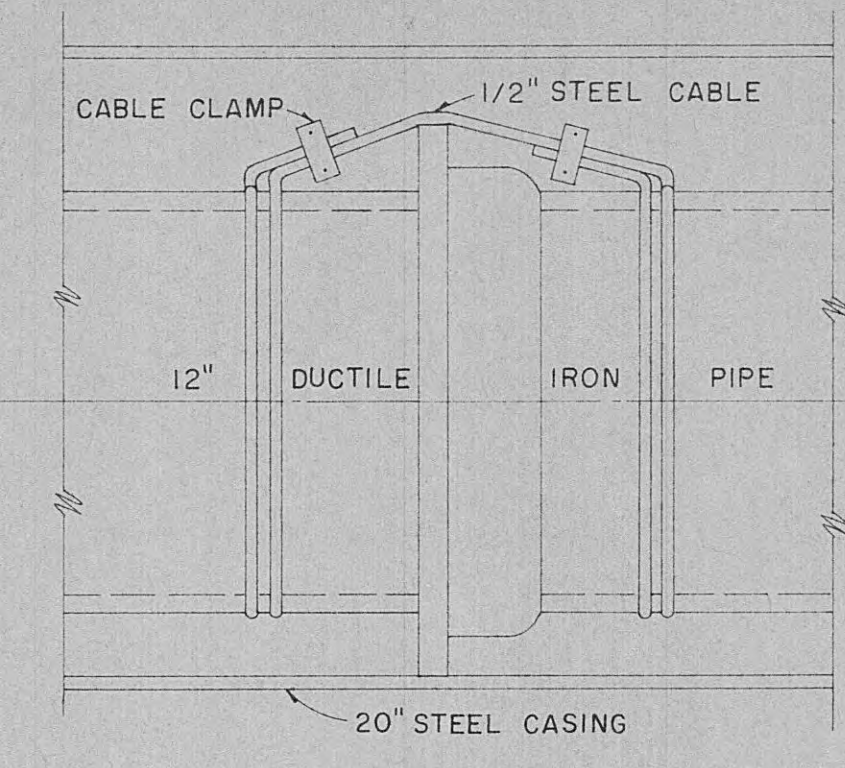
WATER SYSTEM IMPROVEMENTS

10" & 12" WATER MAIN

STA. 60+00 TO STA. 90+00

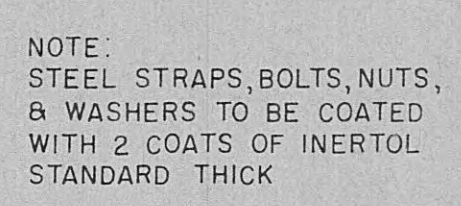
SCALE
1" = 50' HORIZ.
1" = 10' VERT.
DATE
MARCH, 1968

WIEDEMAN AND SINGLETON
ENGINEERS
ATLANTA GEORGIA

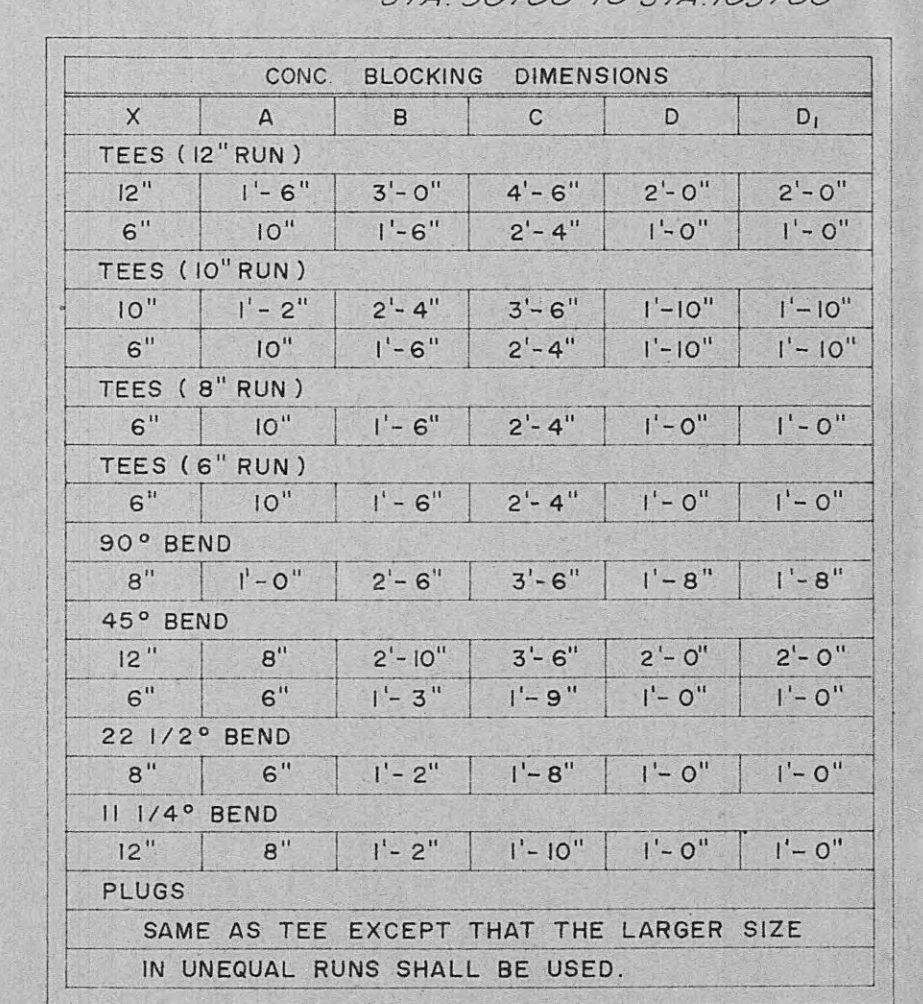


STA. 84 + 63 TO STA. 85 + 40
N.T.S.

NOTE:
12" STEEL CASING .25 THICK
16" STEEL CASING .25 THICK
20" STEEL CASING .3125 THICK



STA. 89+09
SCALE: 1" = 1'-0"



1"-6"

3" X 5/16" STEEL STRAP
WELD TO CHANNEL

EXISTING

HANDRAIL

10" DUCTILE

IRON PIPE

1"-6" MIN.

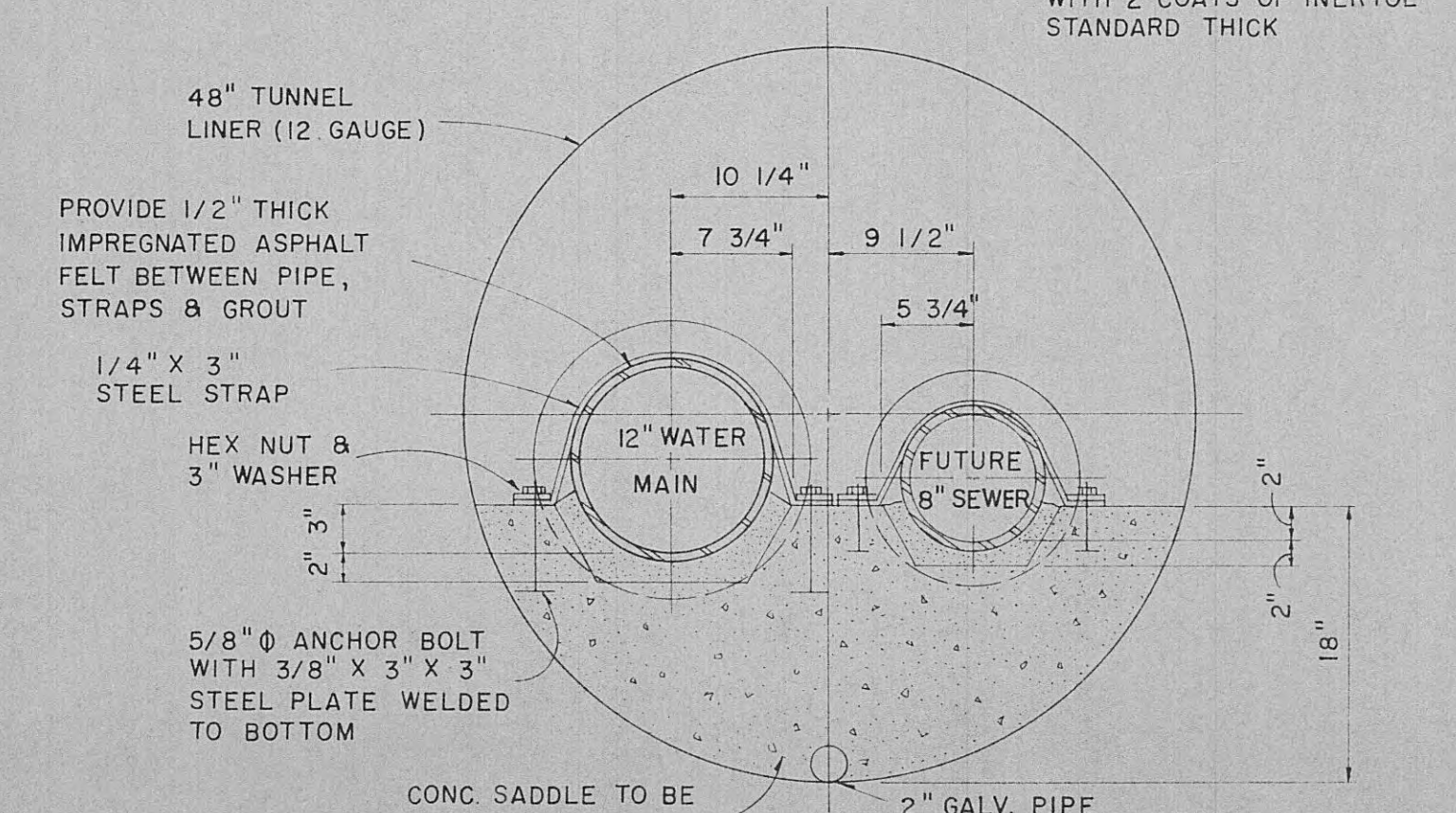
2"-6" MAX.

1/4" CLEARANCE

1 1/2" X 1/4" STEEL
HOLD DOWN STRAP.
SLOTTED HOLE EACH
END OF STRAP

DRESSER COUPLING STYLE NO 53
OR SMITH-BLAIR STYLE NO 431

PLAN
TYPICAL DETAILS FOR PIPE SUPPORTS
N.T.S.



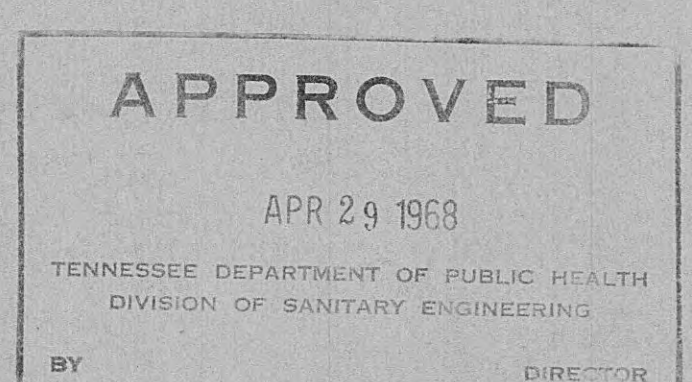
OF BELL
CK

CONC. SADDLE TO BE
1'-0" BACK OF BELL
8" 10" THICK

2" GALV. PIPE

NOTE:
SOLID BRICK HEADWALL
EACH END OF CASING
WITH 2" X 4" WEEPHOLES
AT BOTTOM.

48" TUNNEL LINER DETAIL

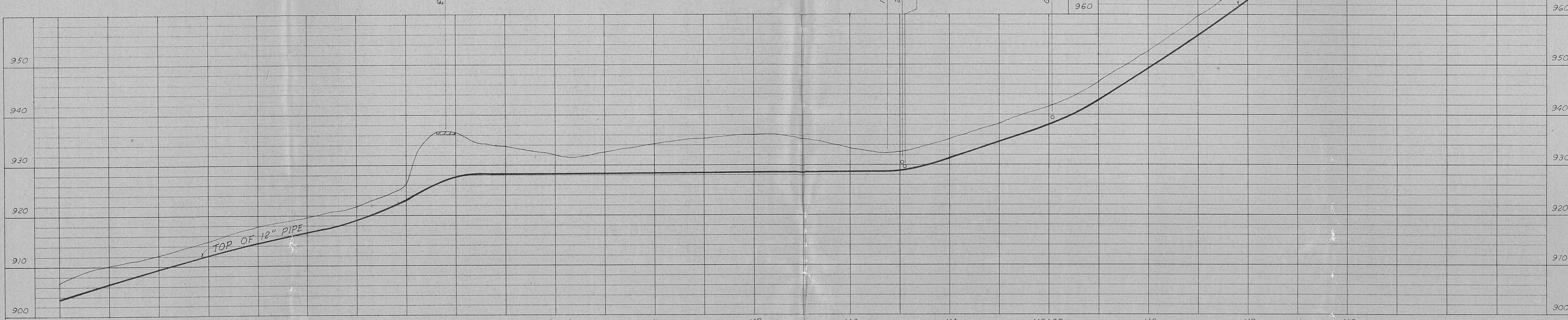
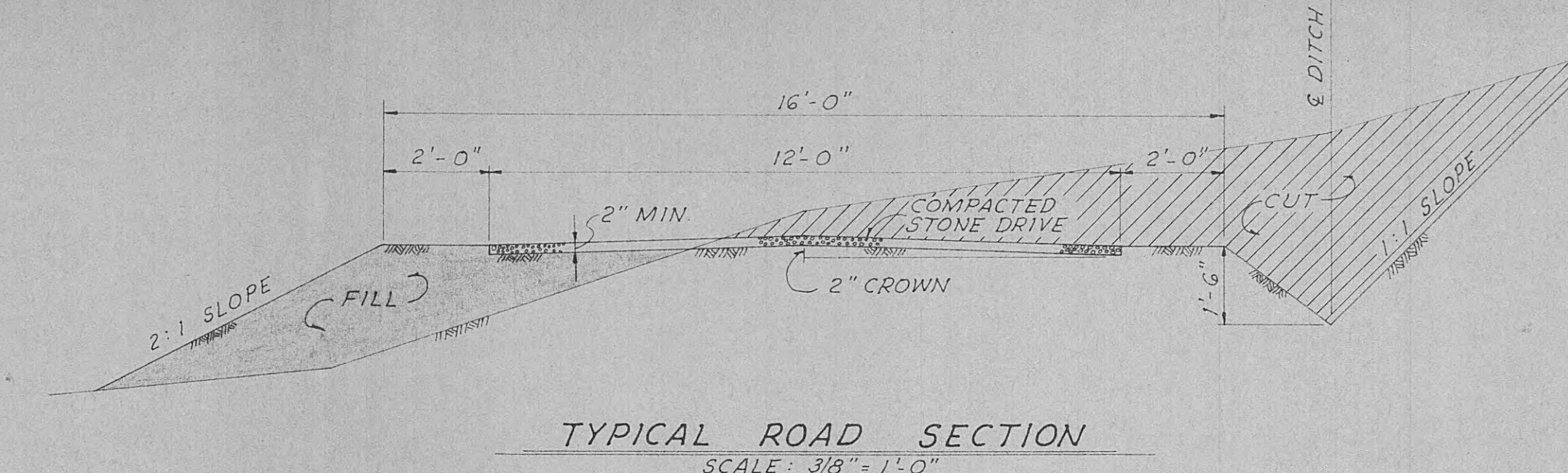
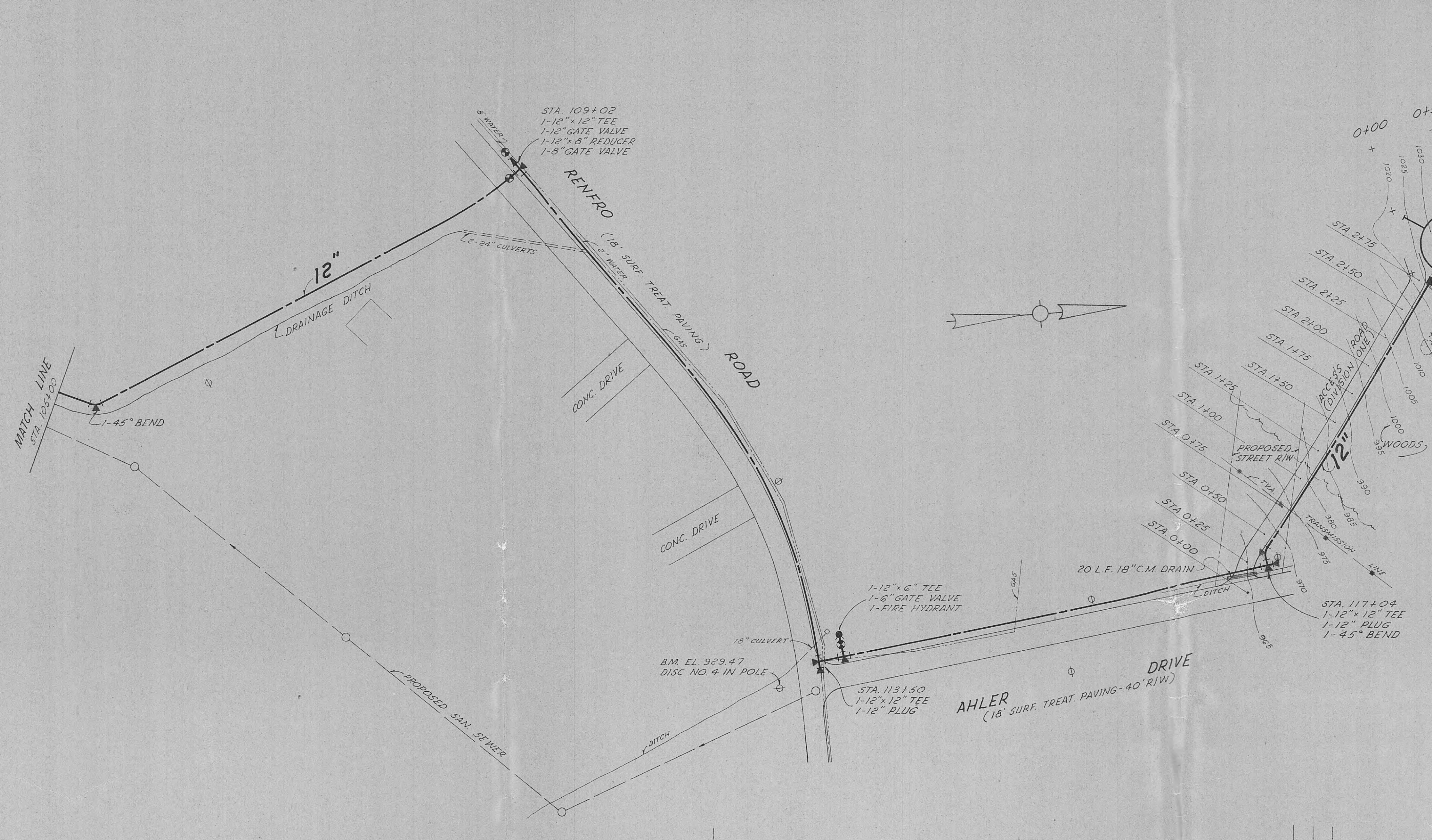


DIVISION ONE

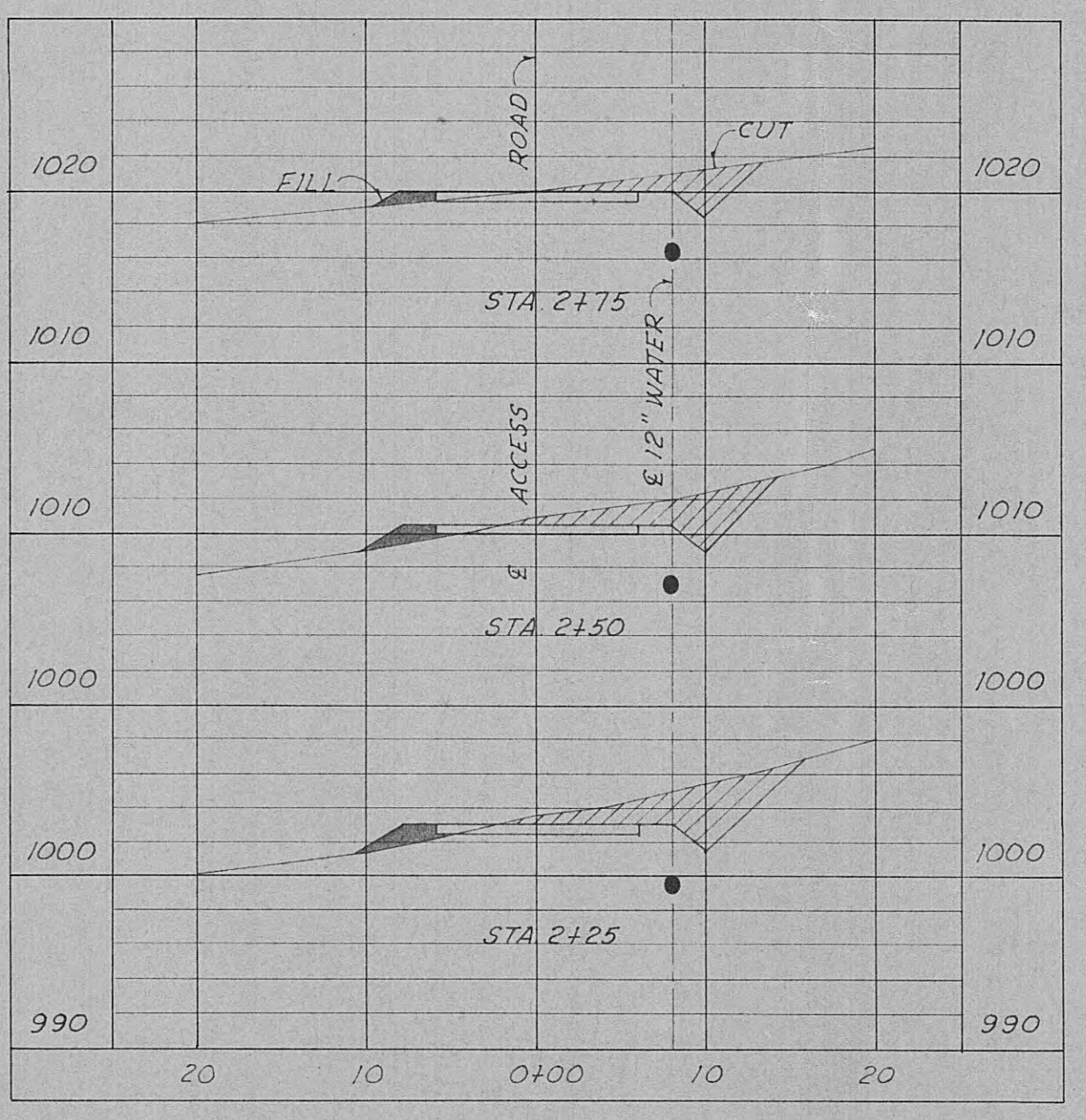
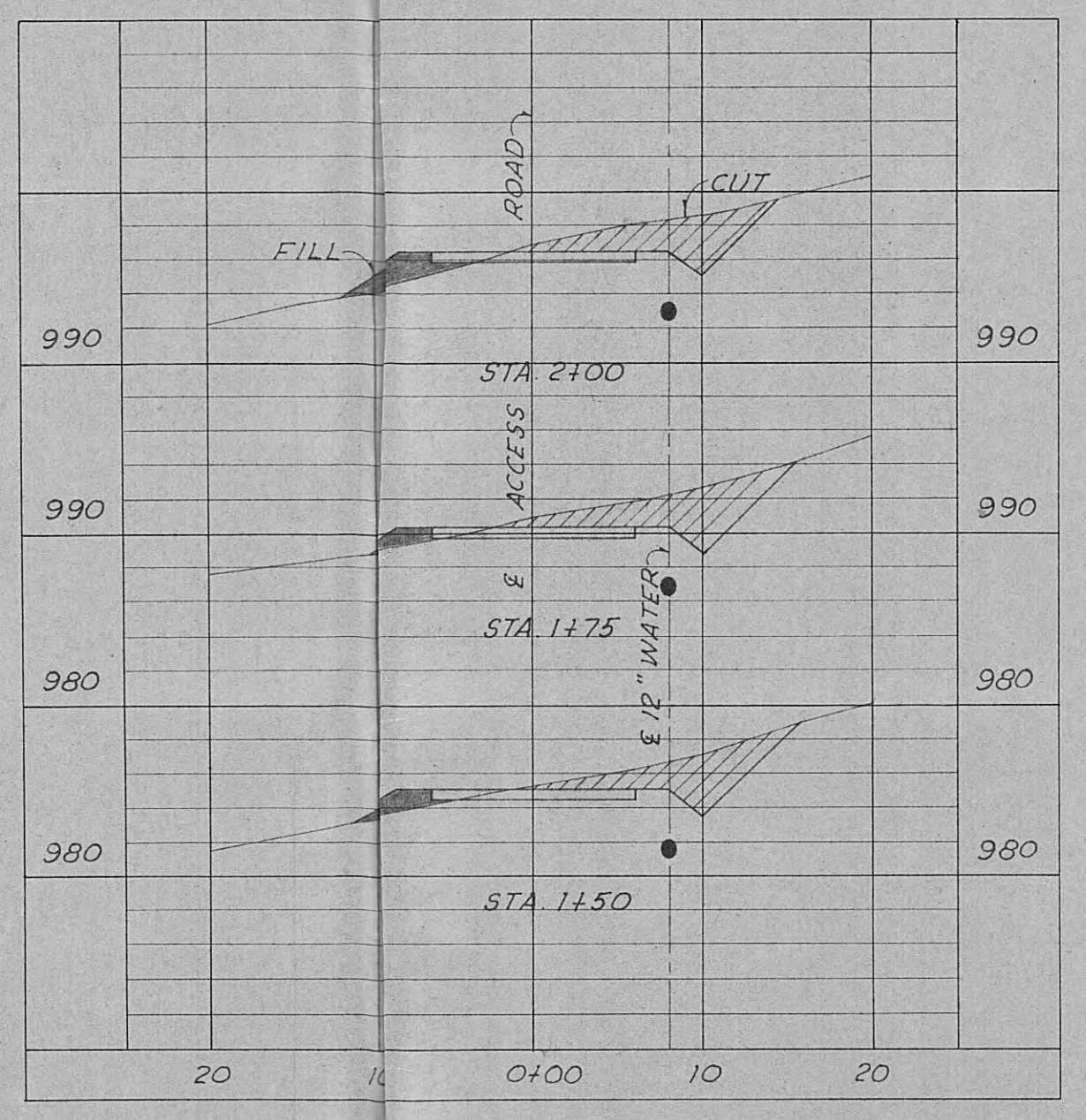
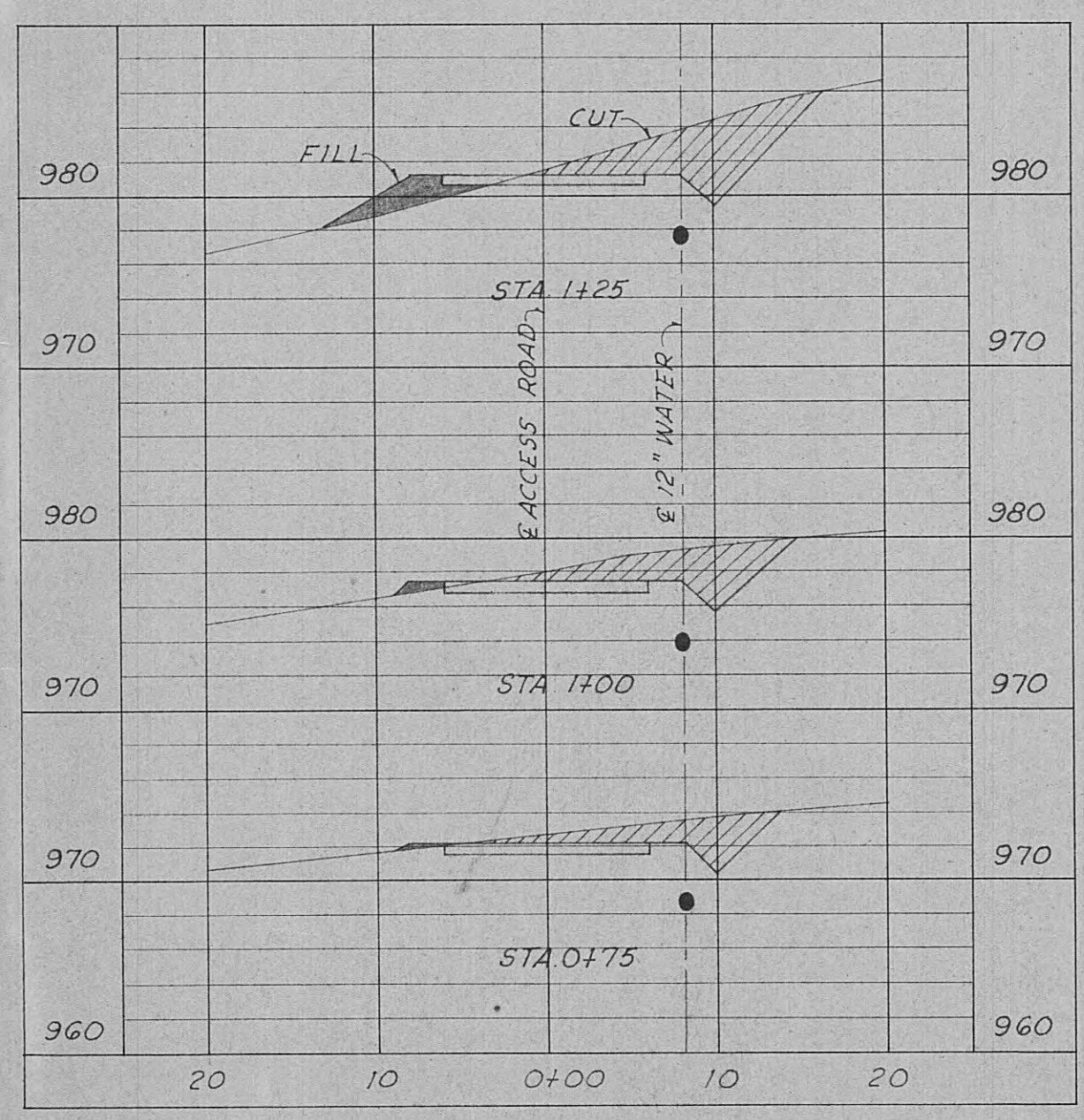
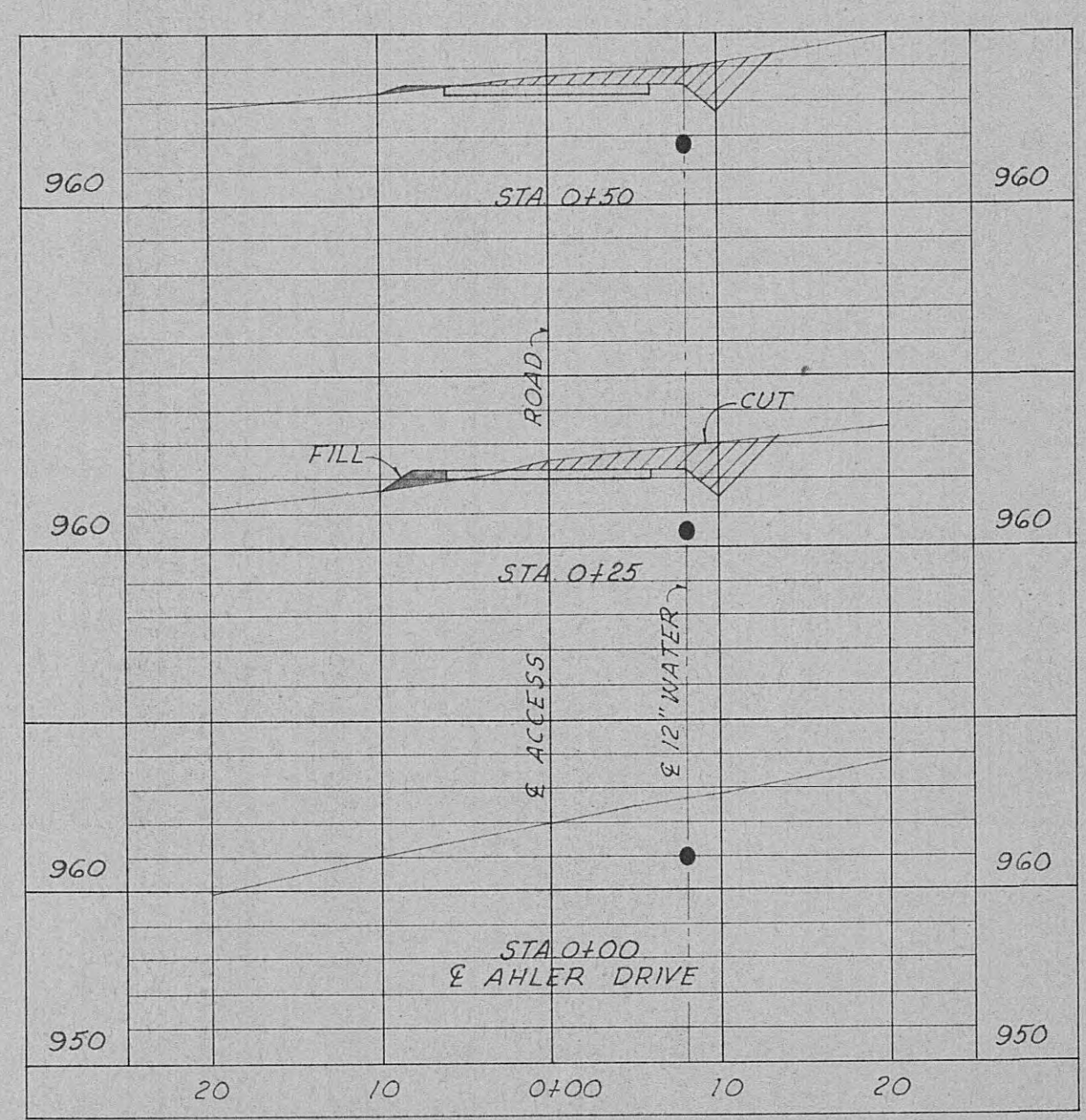
12" WATER MAIN & DETAIL

SCALE		SH
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SCALE 1"=50' HORZ. 1"=10' VERT. DATE	WIEDEMAN AND SINGLETON ENGINEERS	SH 4
MARCH, 1968	ATLANTA	GEORGIA
		OF

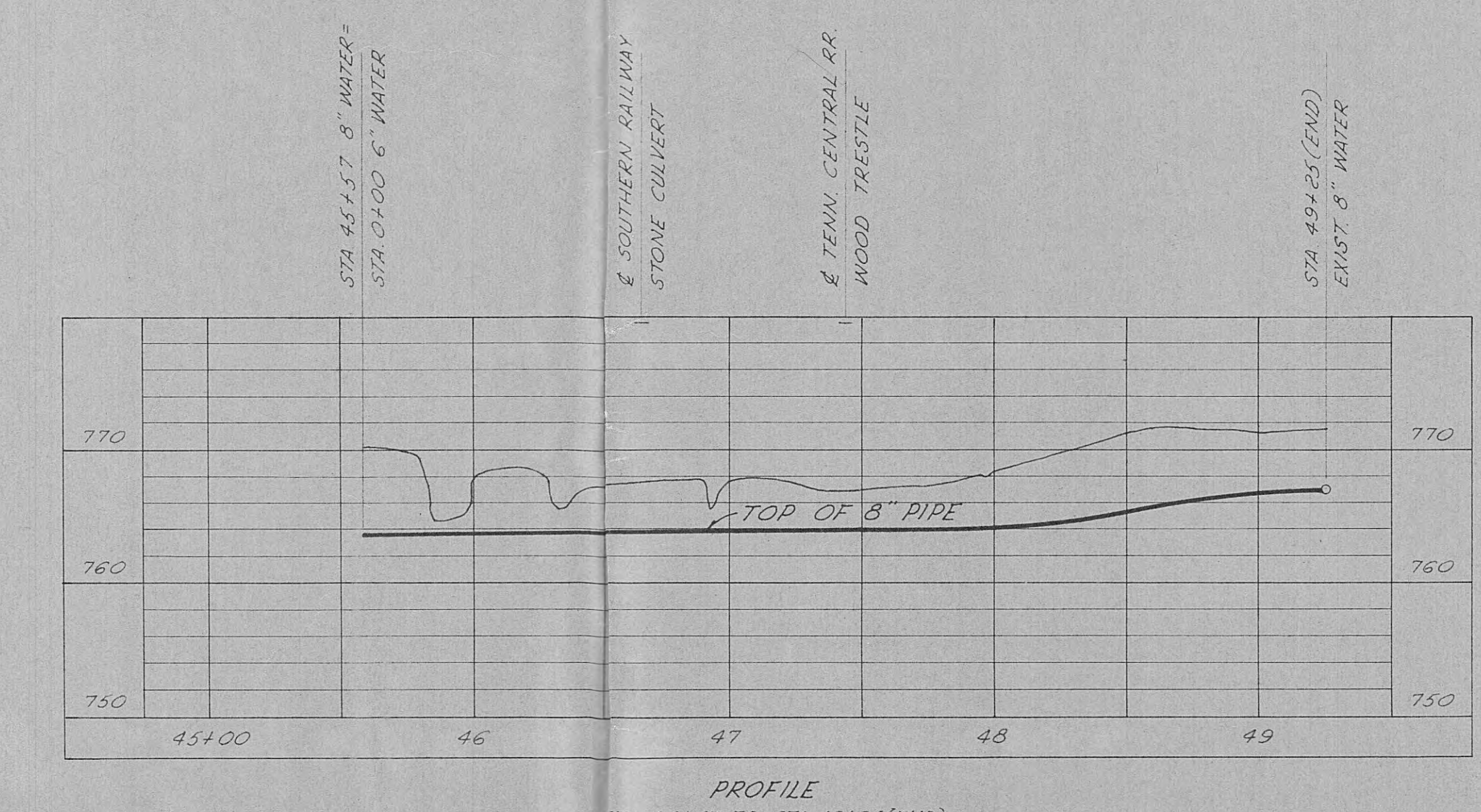
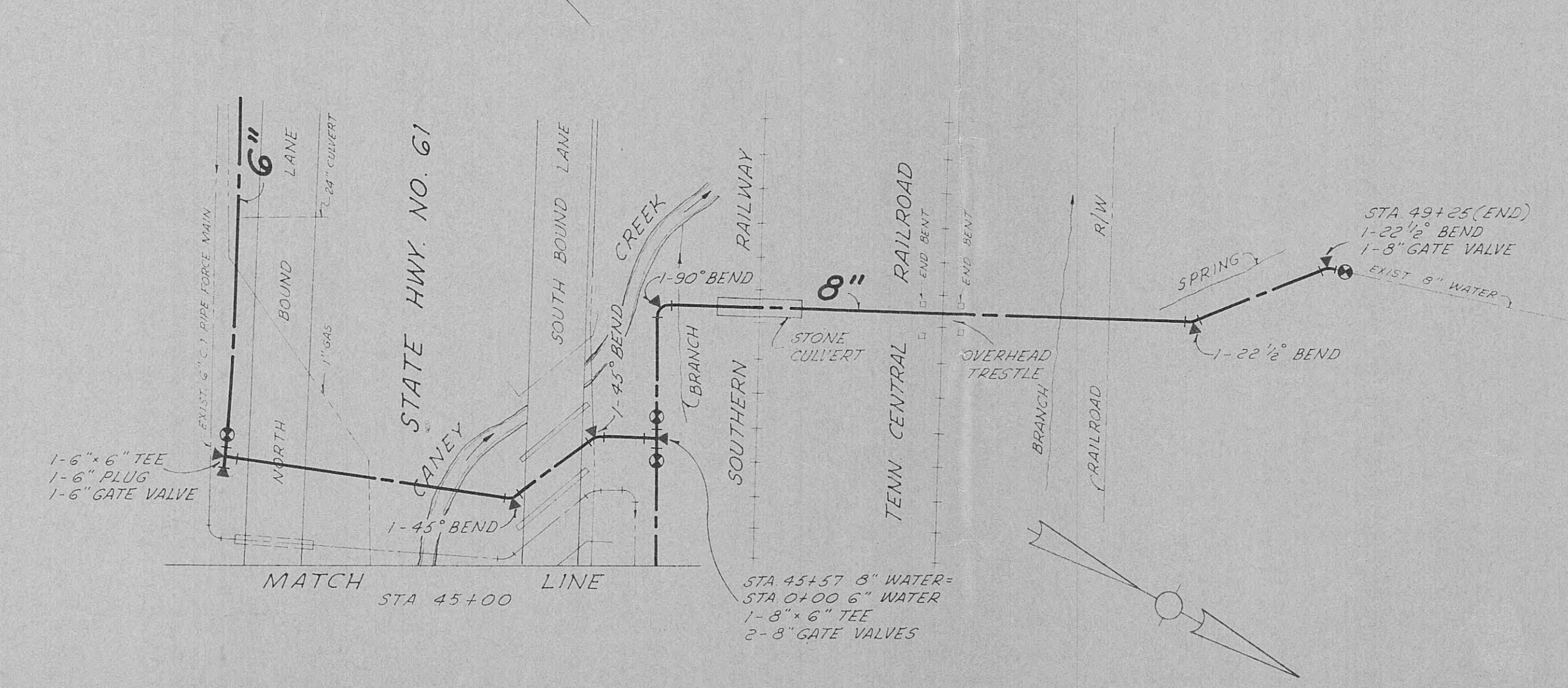


PROFILE
STA 105+00 TO STA 119+50 (END)



APPROVED
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
12" WATER MAIN
STA 105+00 TO STA 119+50 (END)
ACCESS ROAD CROSS
SECTIONS
SCALE: 1/4" = 1'-0" HORIZ.
1" = 10' VERT.
DATE: MARCH, 1968
WIEDEMAN AND SINGLETON
ENGINEERS
ATLANTA GEORGIA
SHEET
OF 5



APPROVED

APR 29 1968

TENNESSEE DEPARTMENT OF PUBLIC HEALTH
DIVISION OF SANITARY ENGINEERING

BY _____ DIRECTOR

EDA PROJECT NO. 04-1-00397

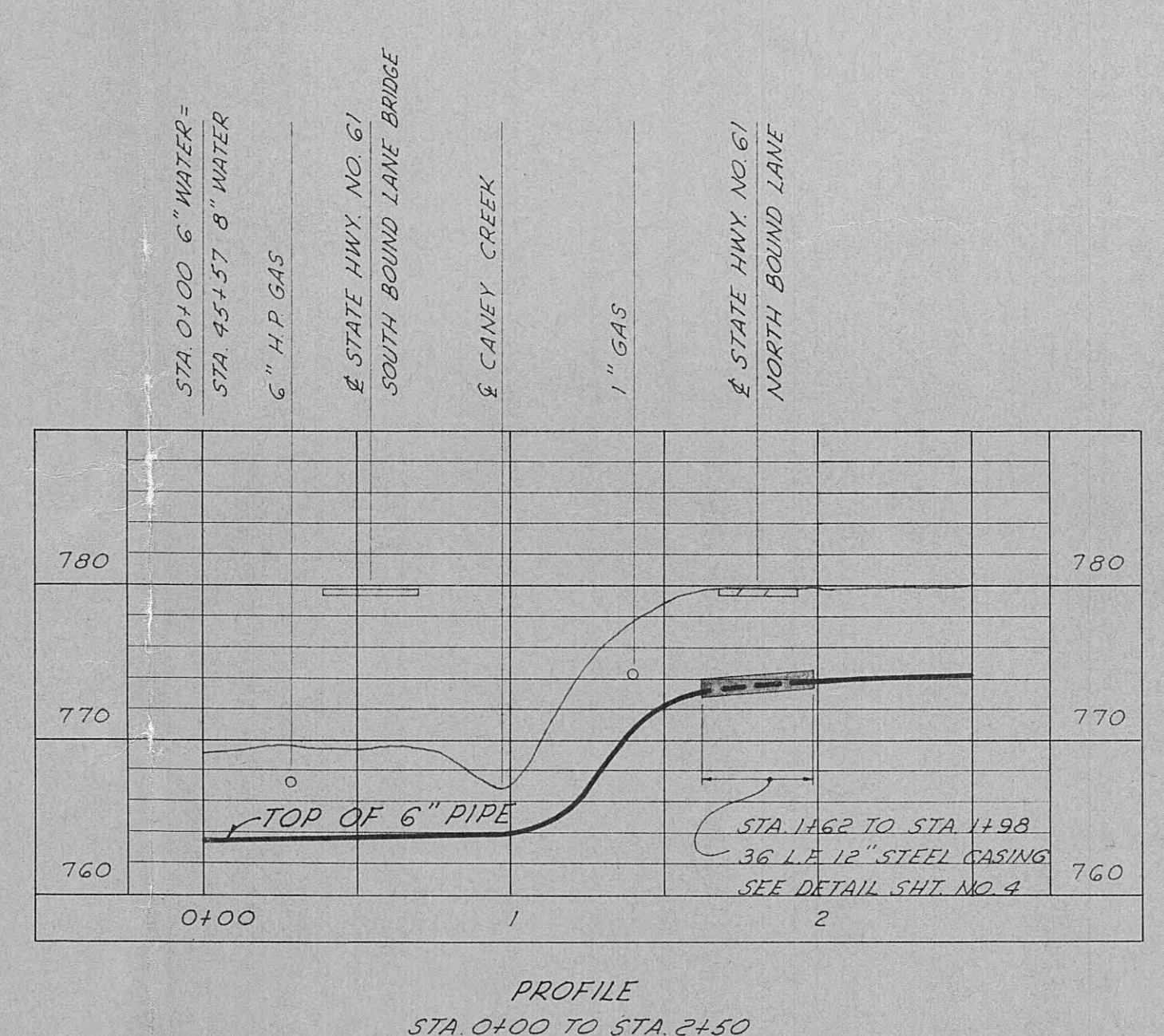
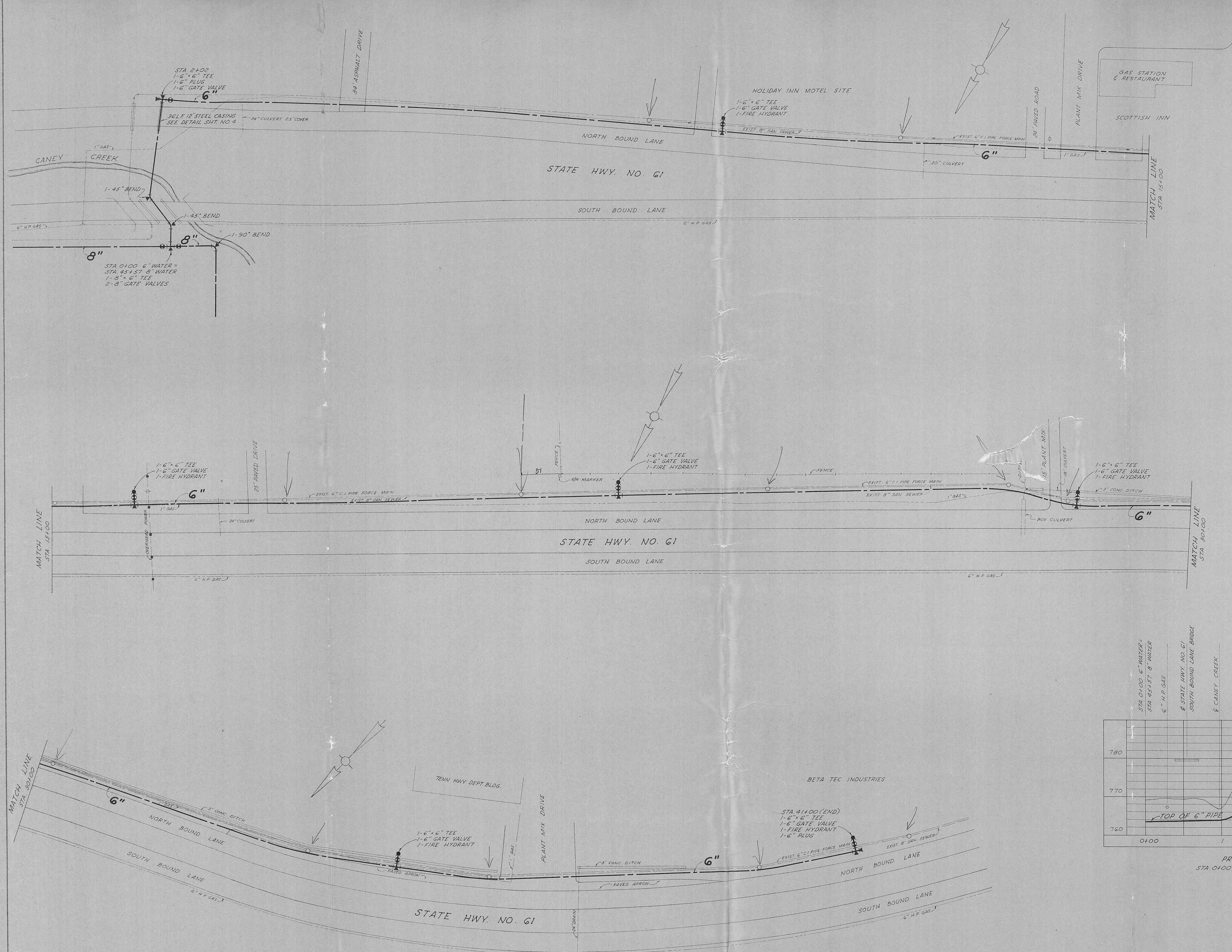
DIVISION ONE

CITY OF HARRIMAN, TENNESSEE
WATER SYSTEM IMPROVEMENTS

8" WATER MAIN

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

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

6" WATER MAIN
 STA. 0+00 TO STA. 41+00 (END)

SCALE 1"=50' HORIZ 1"=10' VERT DATE MARCH, 1968	WIEDEMAN AND SINGLETON ENGINEERS ATLANTA GEORGIA	SHEET 7 OF
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