

SANITARY SEWERAGE IMPROVEMENTS

FOR

HARRIMAN, TENNESSEE

DECEMBER 1988

CDBG PROJECT NO. Z - 38353

JOB NO. 88-05

White Taylor Walker / GM

Brentwood

Engineers • Surveyors • Landscape Architects • Planners

Huntsville

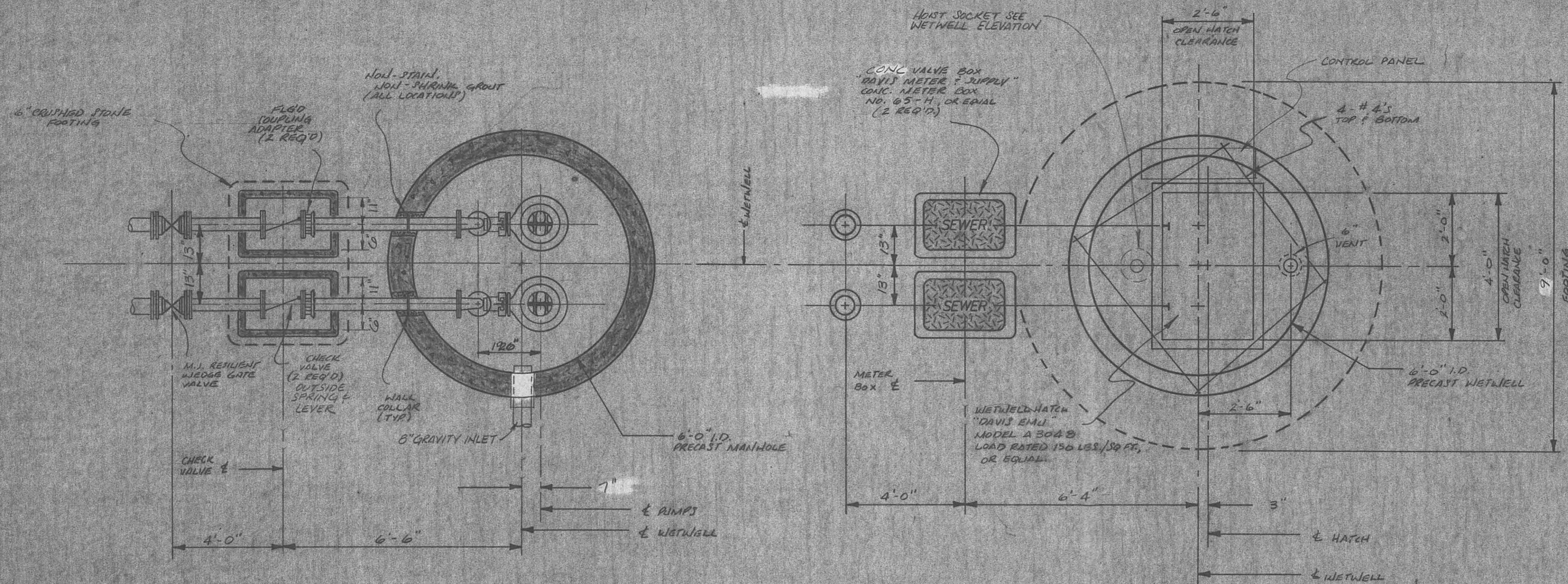
INDEX OF DRAWINGS

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4.	LINE "E" STA. 0+32 TO STA. 14+00
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1988
SEWER IMPROV.

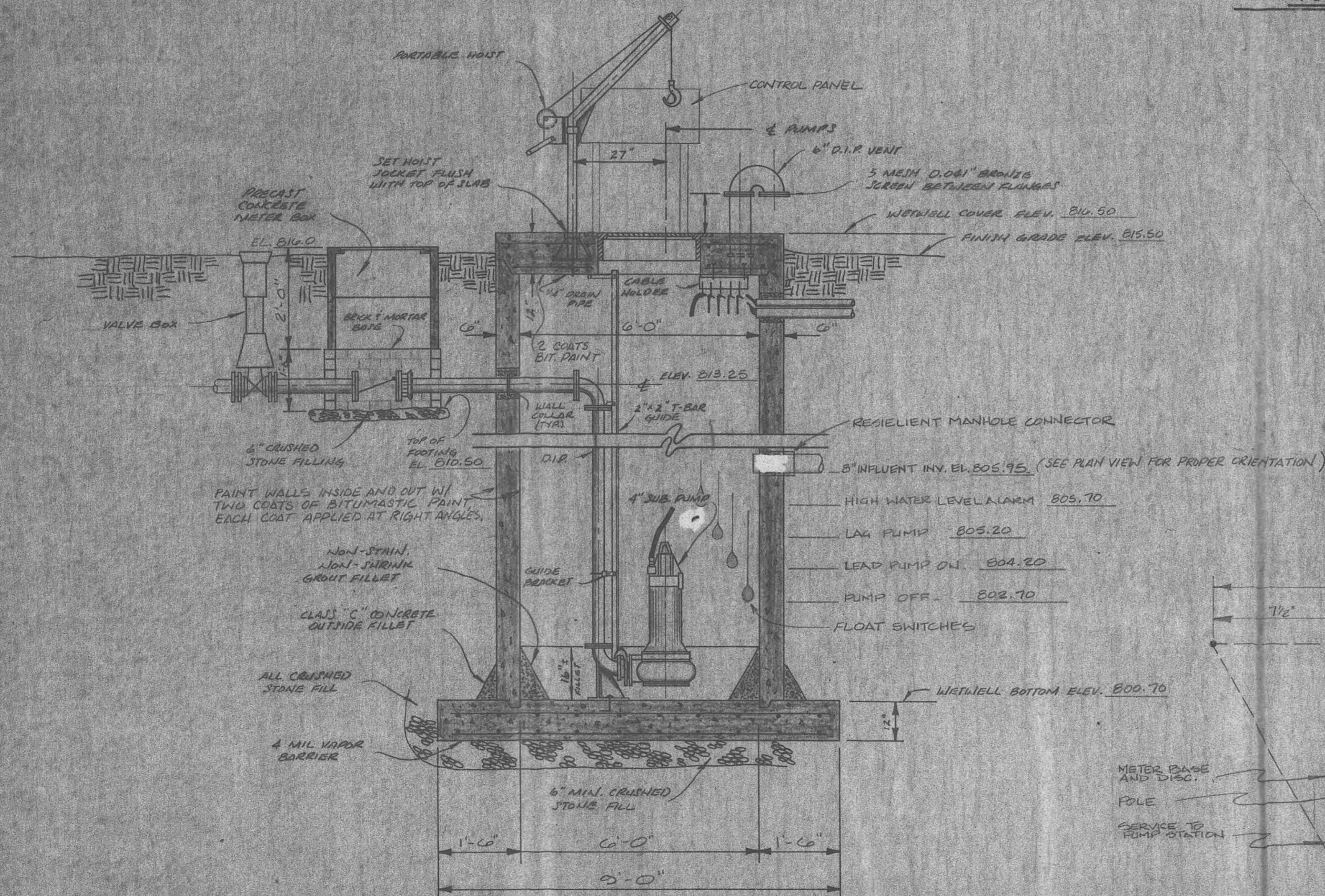


SET NO. 2

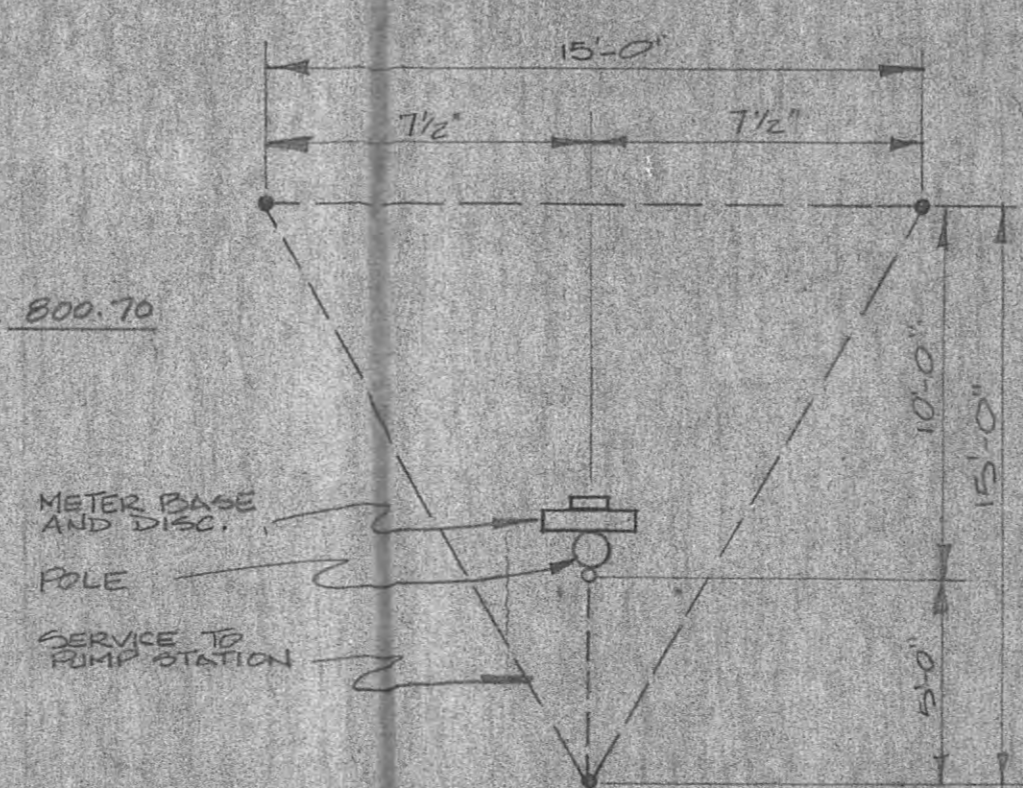


WETWELL CUT PLAN

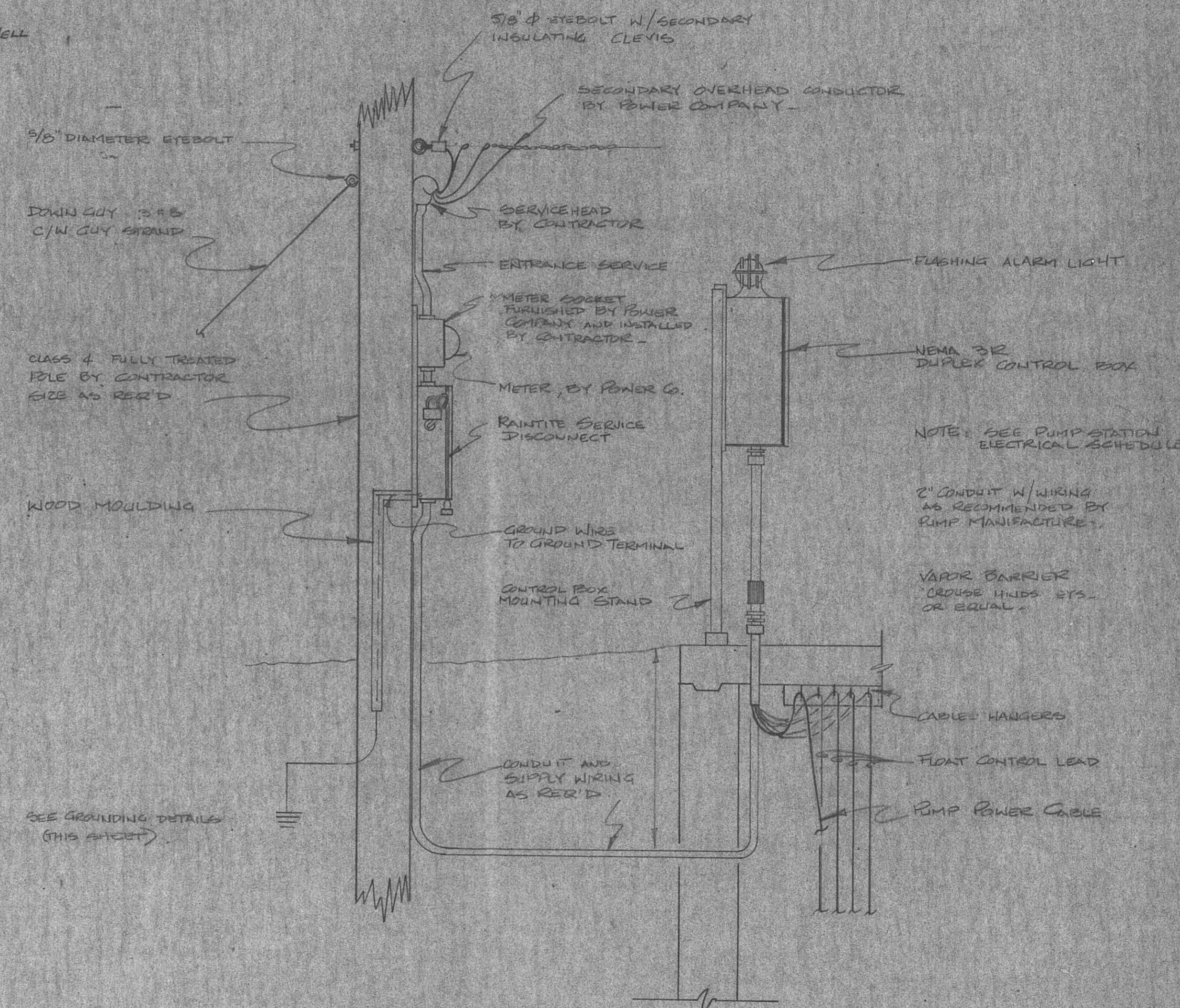
TOP PLAN



WETWELL ELEVATION SECTION



PUMP STATION GROUNDING DETAIL
NO SCALE



POWER POLE / CONTROL BOX DETAIL
NO SCALE

WHITE - TAYLOR - WALKER, INC.
NASHVILLE, TENNESSEE

REVISION	DATE	DESCRIPTION	BY
DESIGNED	RET	SCALE	ASSHOWN
DRAWN	MAH	DATE	DEC '88
CHECKED	RET	DATE	88-05

SANITARY SEWERAGE
IMPROVEMENTS

PUMP STATION

HARRIMAN, TENNESSEE

SHEET
9
OF
12



90° BEND									
SIZE	3"	4"	6"	8"	10"	12"	14"	16"	18"
D	5"	6"	8"	10"	12"	14"	16"	18"	20"
L	15"	21"	27"	33"	39"	45"	51"	57"	63"
H	8"	10"	12"	14"	16"	18"	20"	22"	24"
T	12"	15"	18"	21"	24"	27"	30"	33"	36"

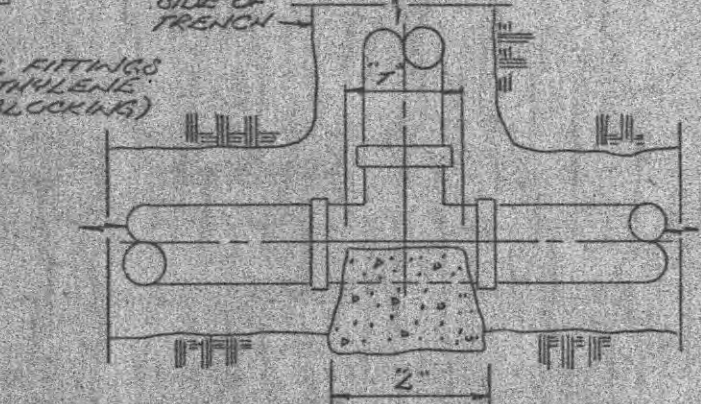
45° BEND									
SIZE	3"	4"	6"	8"	10"	12"	14"	16"	18"
D	5"	6"	8"	10"	12"	14"	16"	18"	20"
L	15"	21"	27"	33"	39"	45"	51"	57"	63"
H	8"	10"	12"	14"	16"	18"	20"	22"	24"
T	12"	15"	18"	21"	24"	27"	30"	33"	36"

11 1/4° BEND									
SIZE	3"	4"	6"	8"	10"	12"	14"	16"	18"
D	5"	6"	8"	10"	12"	14"	16"	18"	20"
L	15"	21"	27"	33"	39"	45"	51"	57"	63"
H	8"	10"	12"	14"	16"	18"	20"	22"	24"
T	12"	15"	18"	21"	24"	27"	30"	33"	36"

TEE									
SIZE	3"	4"	6"	8"	10"	12"	14"	16"	18"
D	5"	6"	8"	10"	12"	14"	16"	18"	20"
L	15"	21"	27"	33"	39"	45"	51"	57"	63"
H	8"	10"	12"	14"	16"	18"	20"	22"	24"
T	12"	15"	18"	21"	24"	27"	30"	33"	36"

ACCESS POINT									
SIZE	3"	4"	6"	8"	10"	12"	14"	16"	18"
D	5"	6"	8"	10"	12"	14"	16"	18"	20"
L	15"	21"	27"	33"	39"	45"	51"	57"	63"
H	8"	10"	12"	14"	16"	18"	20"	22"	24"
T	12"	15"	18"	21"	24"	27"	30"	33"	36"

ALL DIMENSIONS ARE IN INCHES



NOTE: 1. IF EXIST. SIZE PIPE CHECKING IS NOT SHOWN, USE NEXT LARGER SIZE. 2. CARE TO MIN. 4" COVER FROM EXISTING TO NEW WORKING SINCE THE NEW MUST BE PLACED AGAINST UNDISTURBED EARTH.

CONCRETE BLOCKING FOR PIPE TEE

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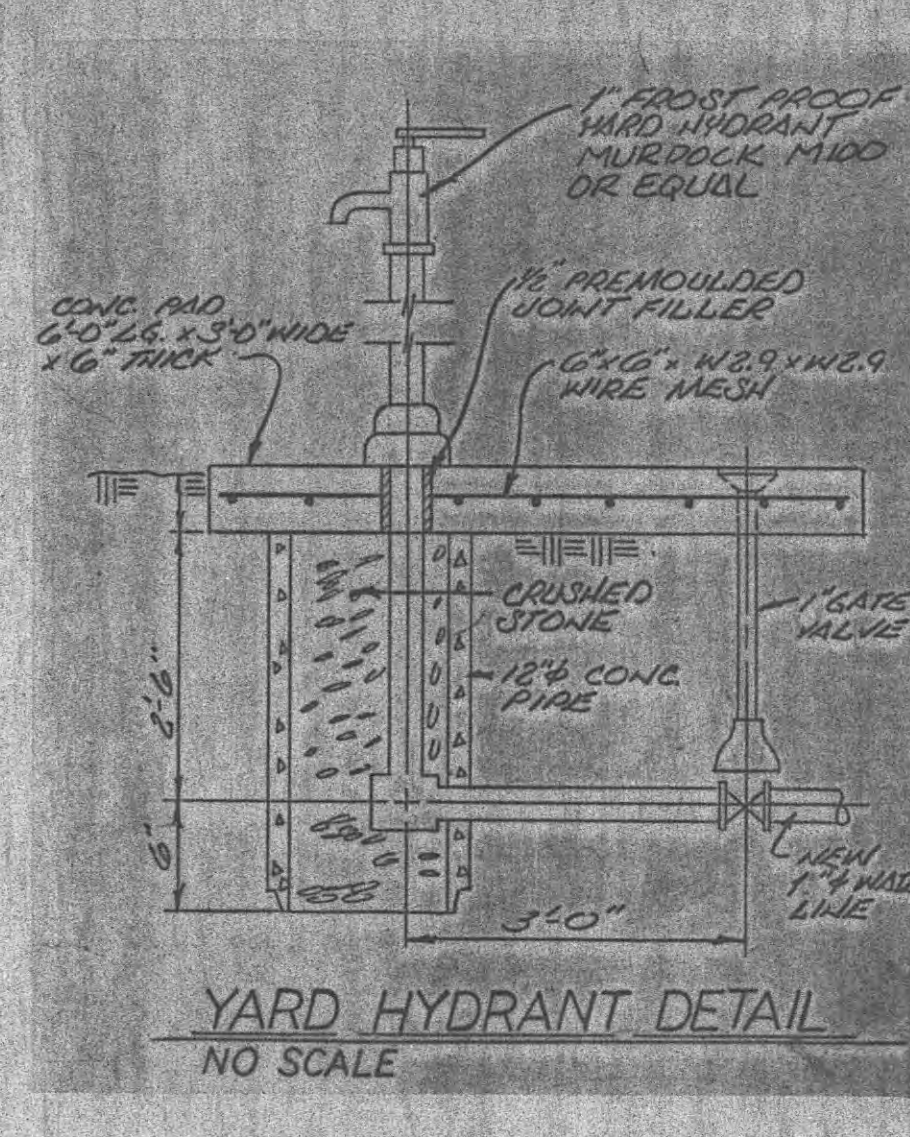
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YARD HYDRANT DETAIL

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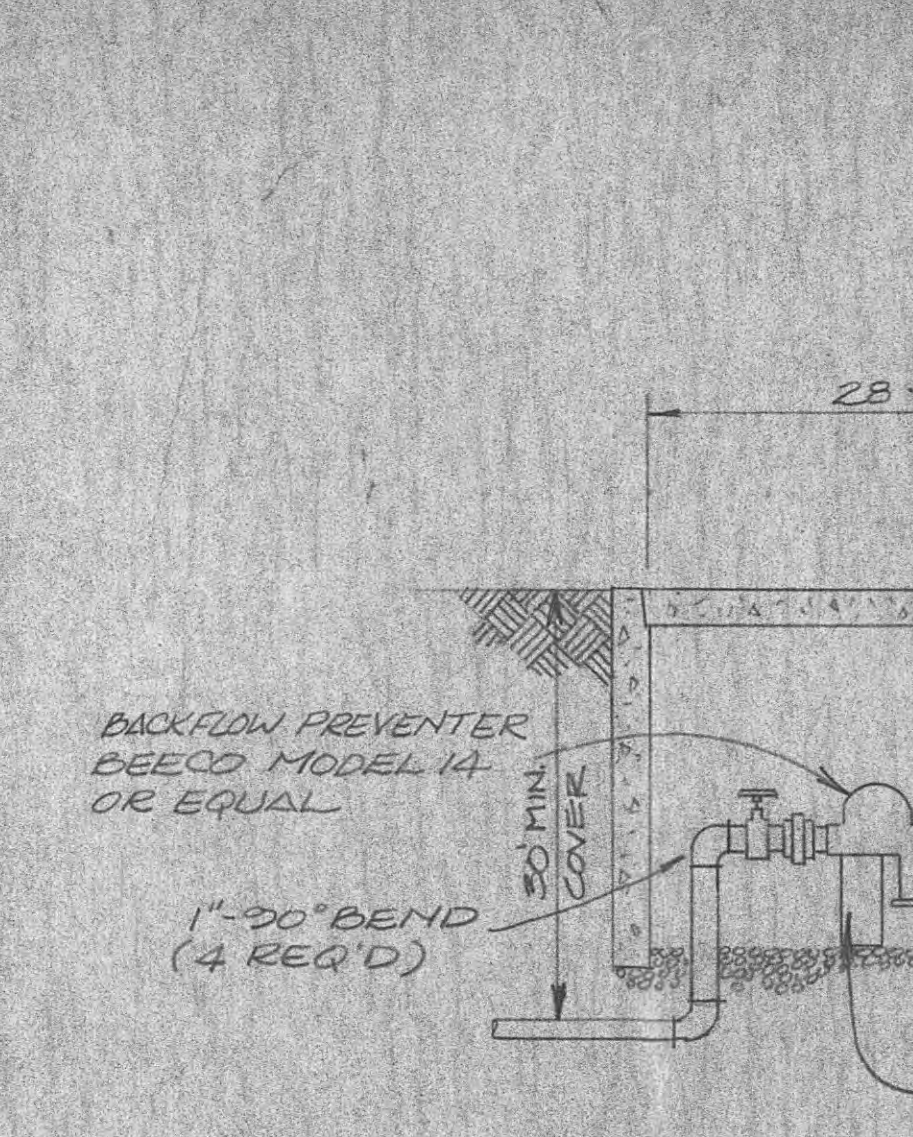
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BACKFLOW PREVENTER DETAIL

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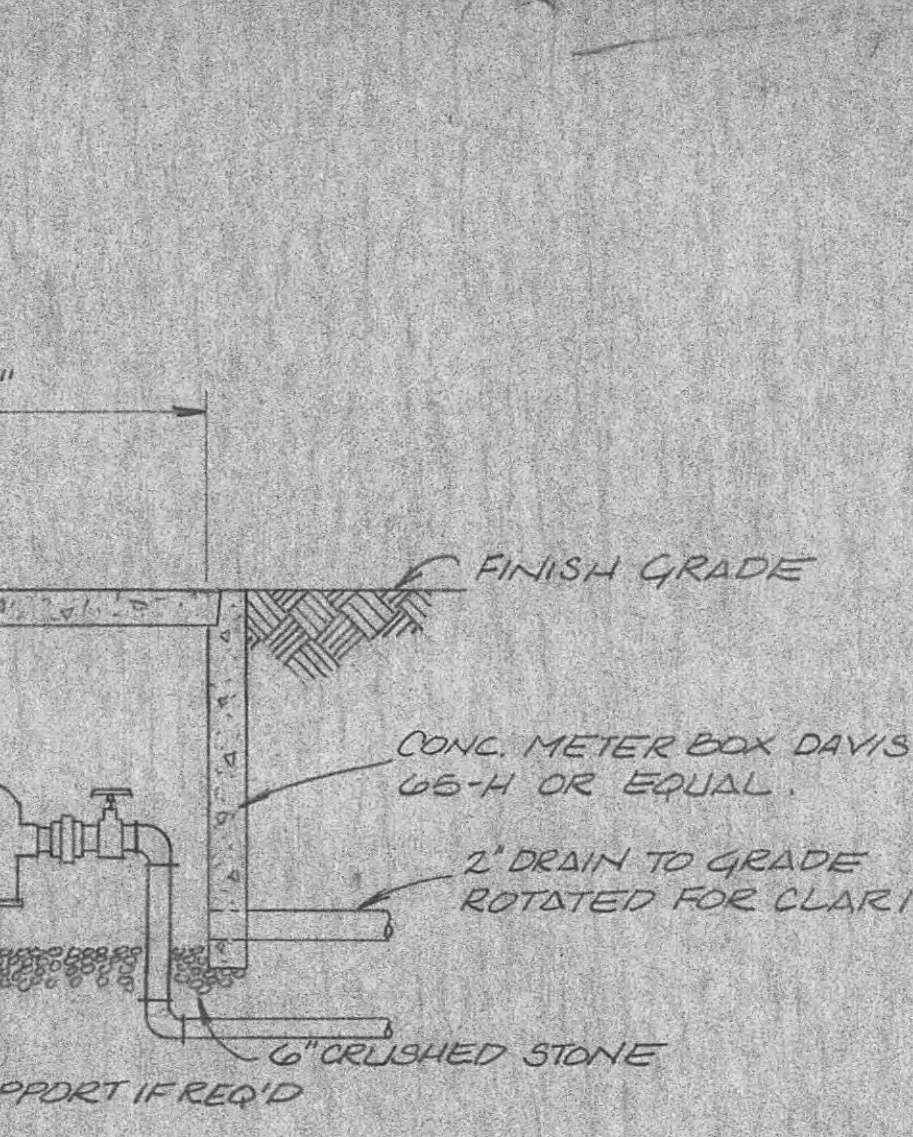
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TYPICAL FENCE ELEVATION

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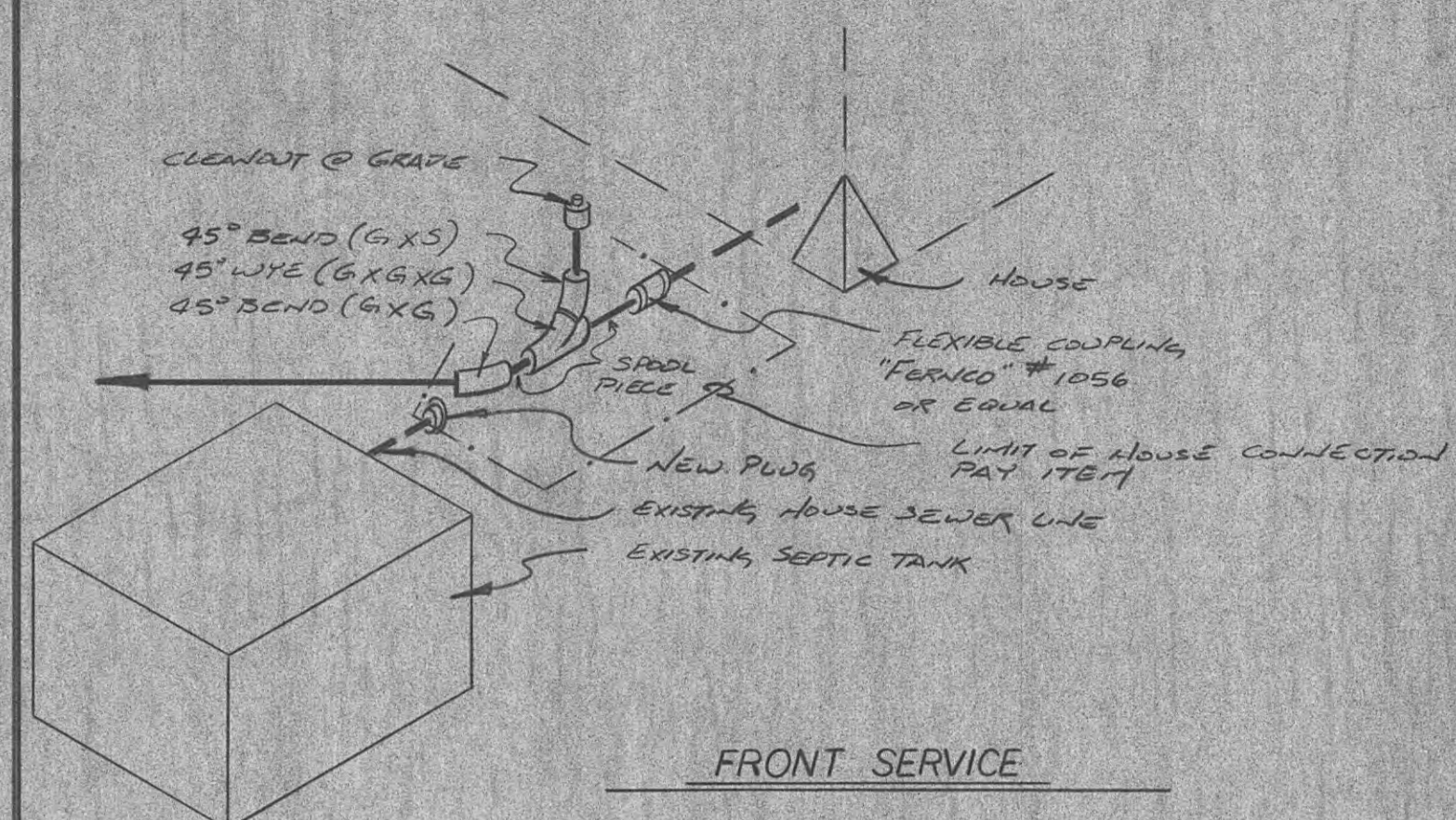
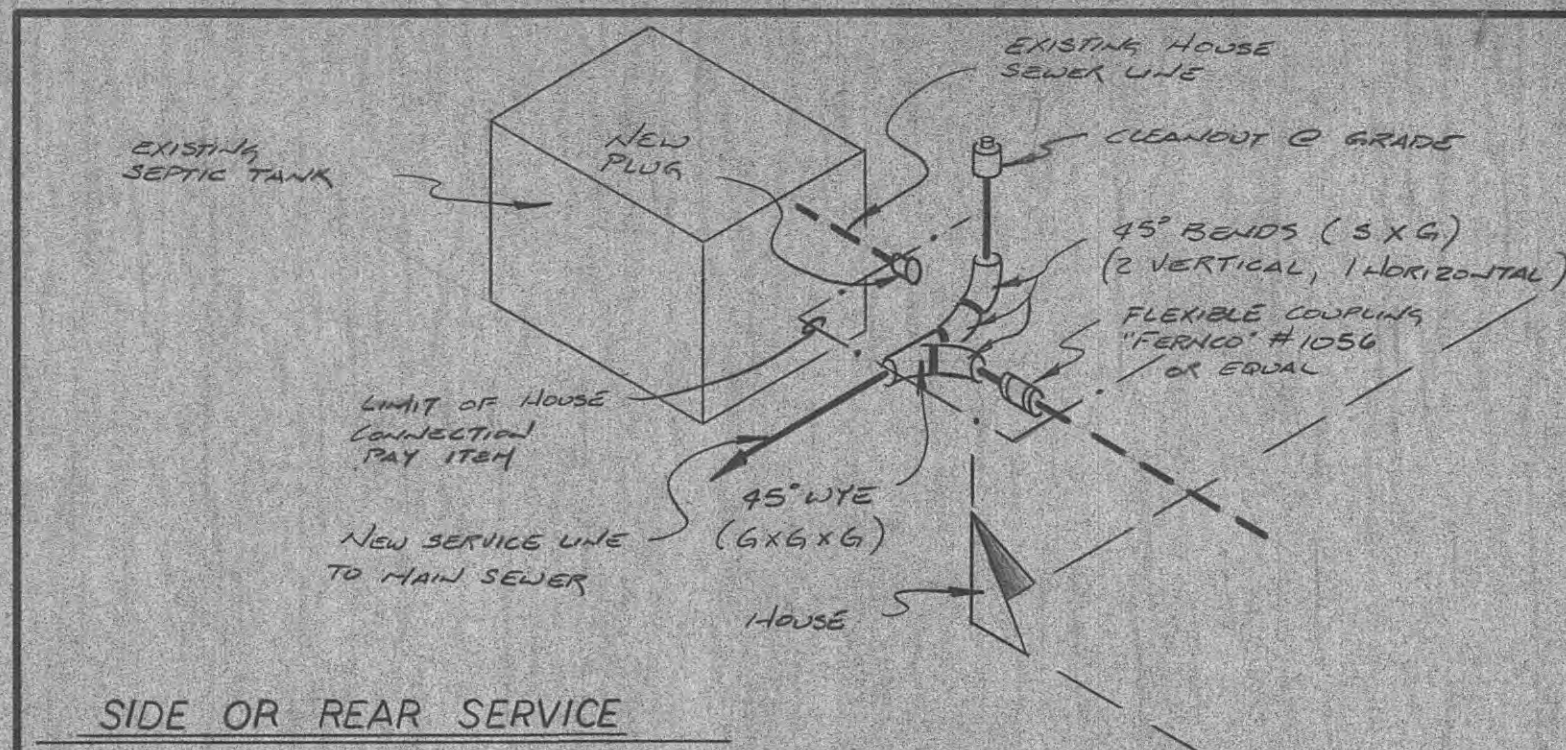
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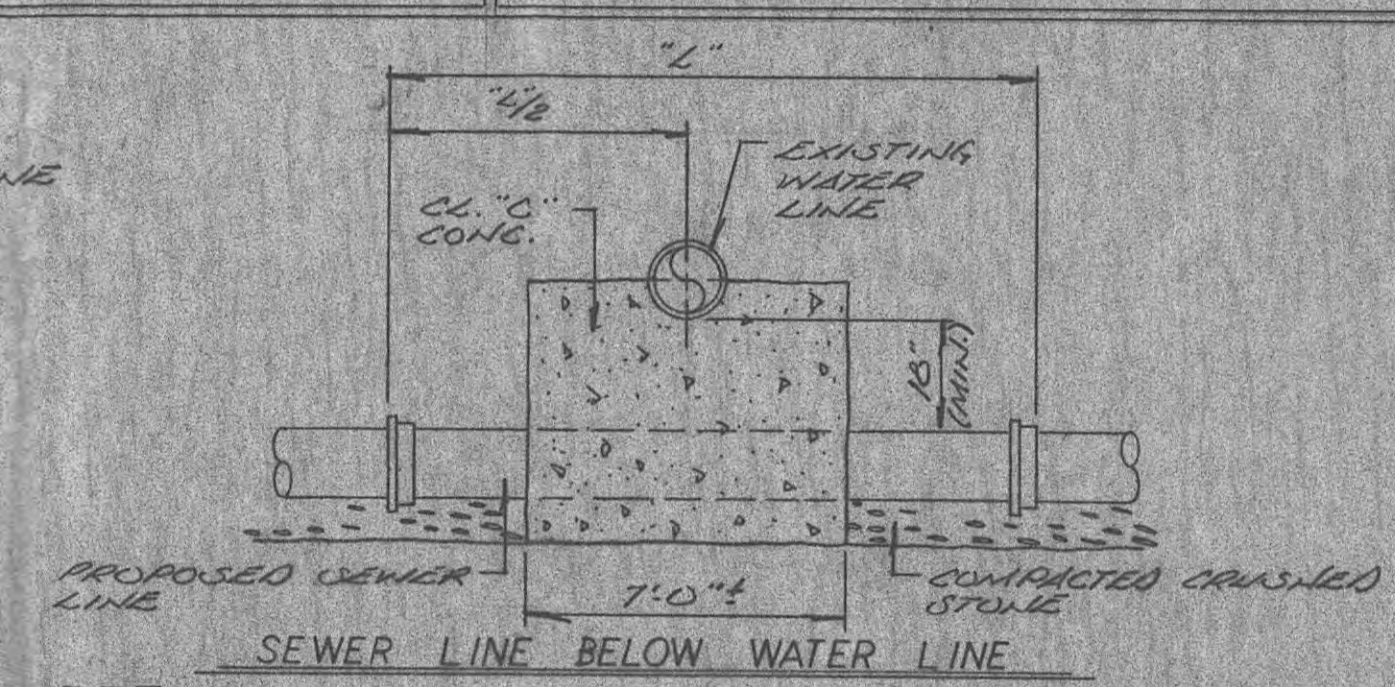
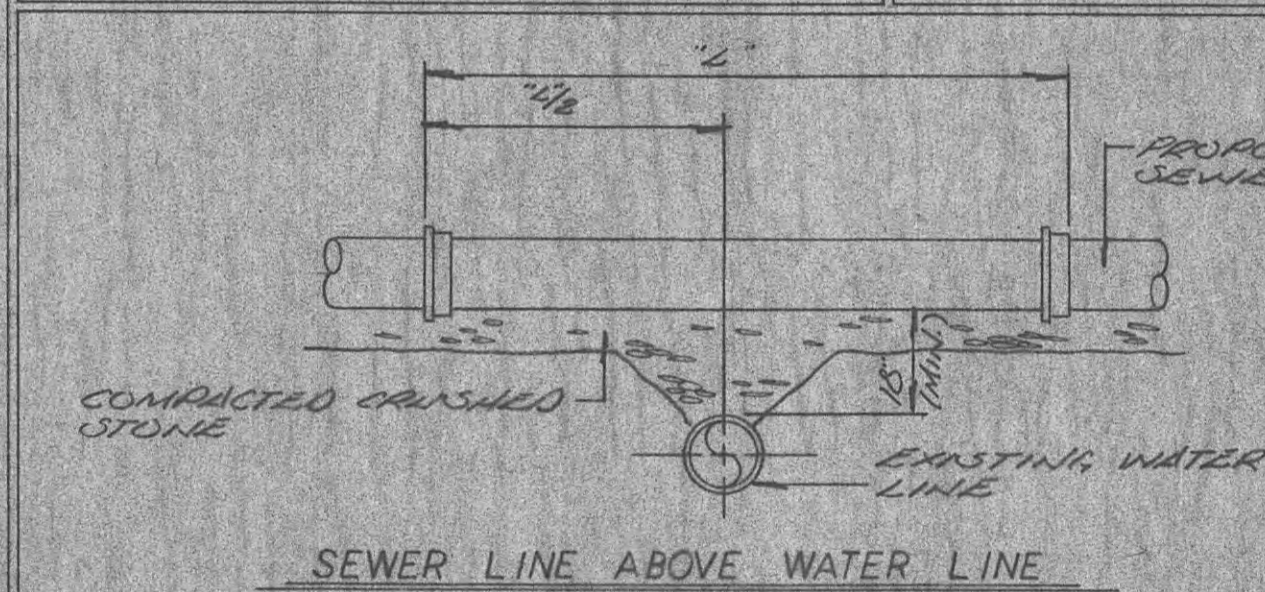
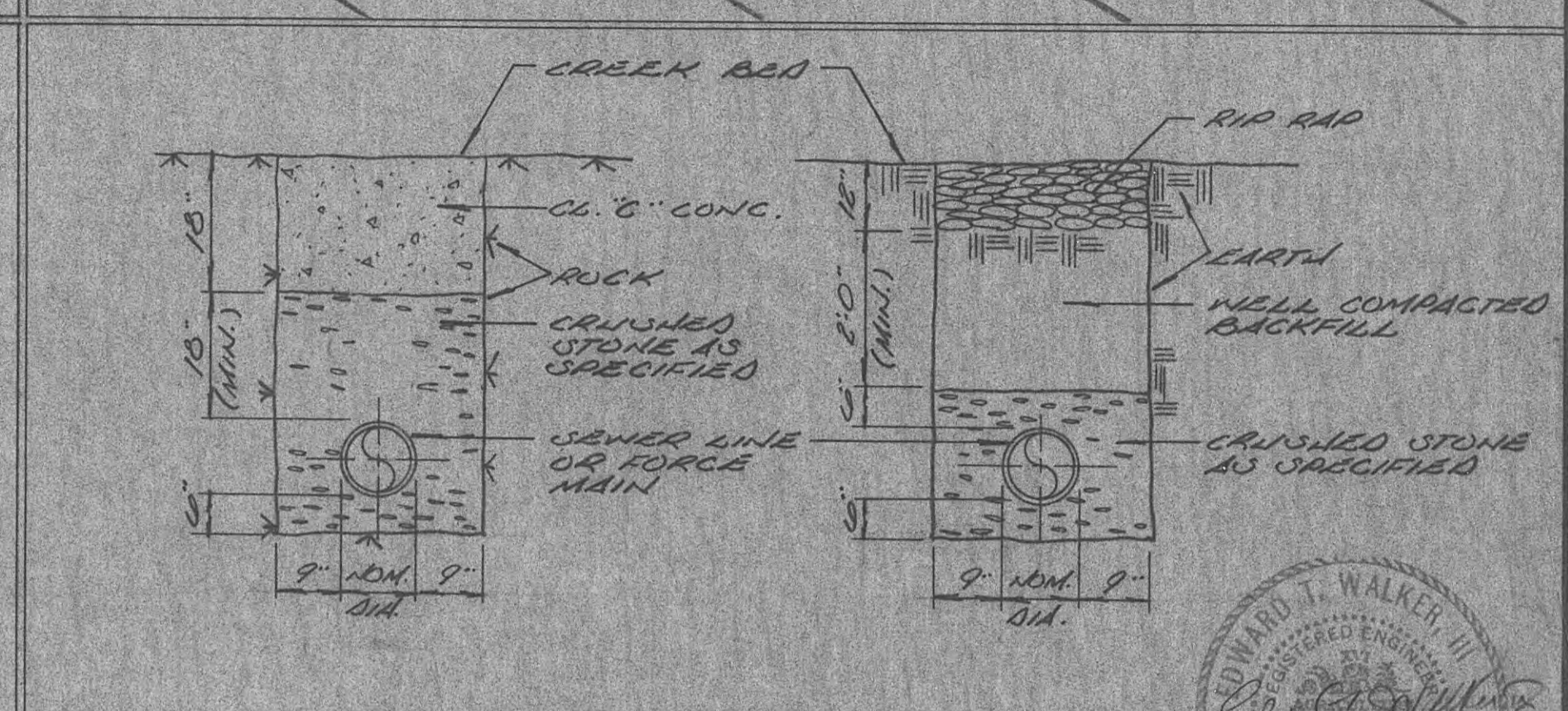
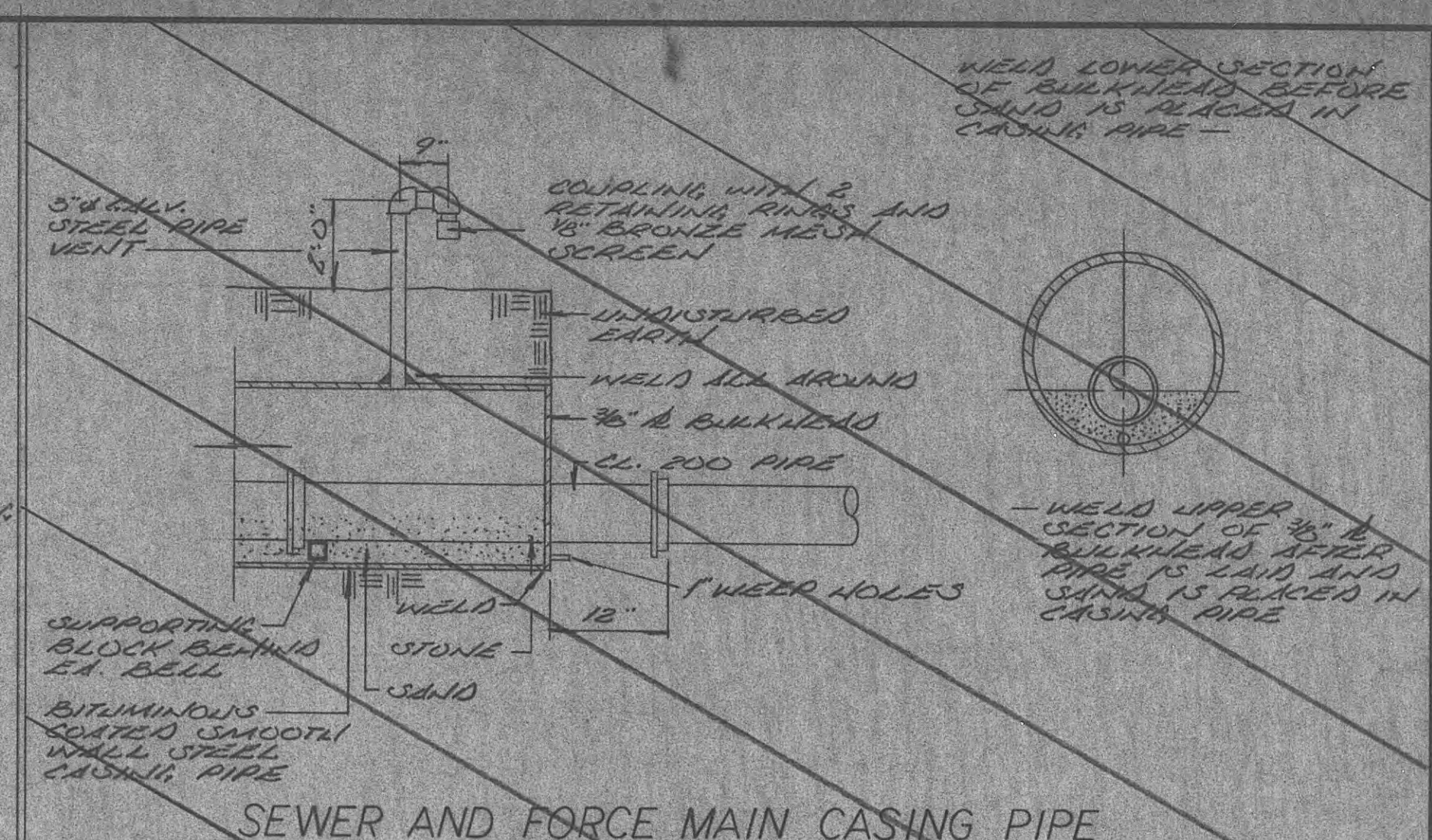
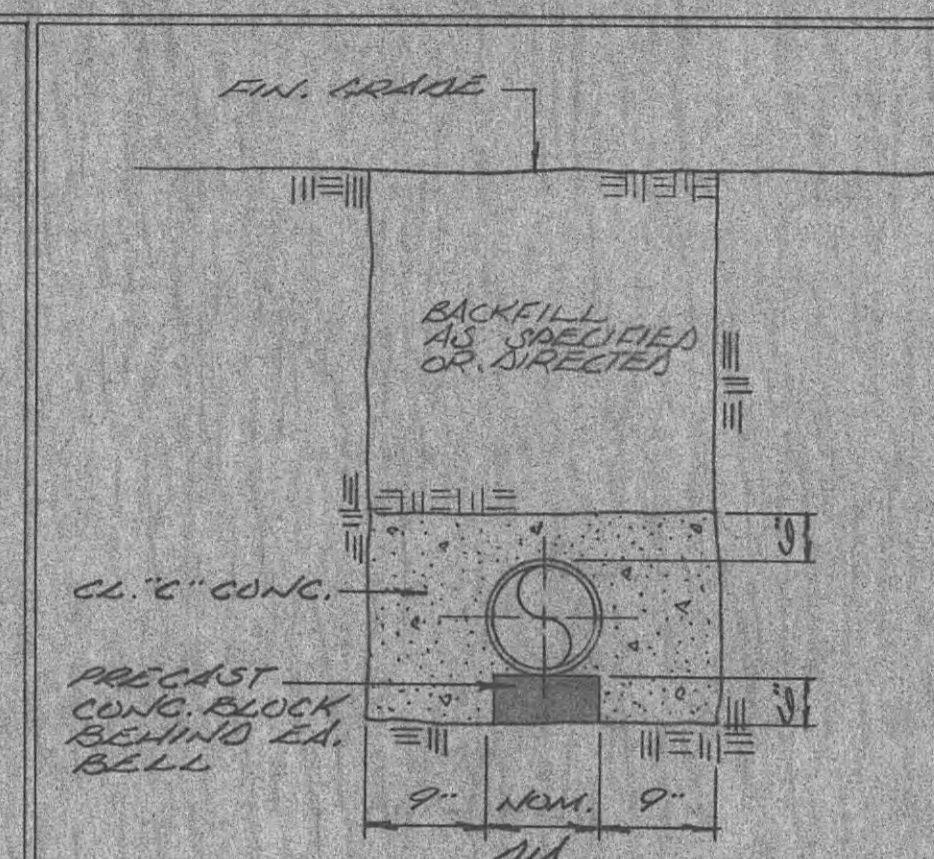
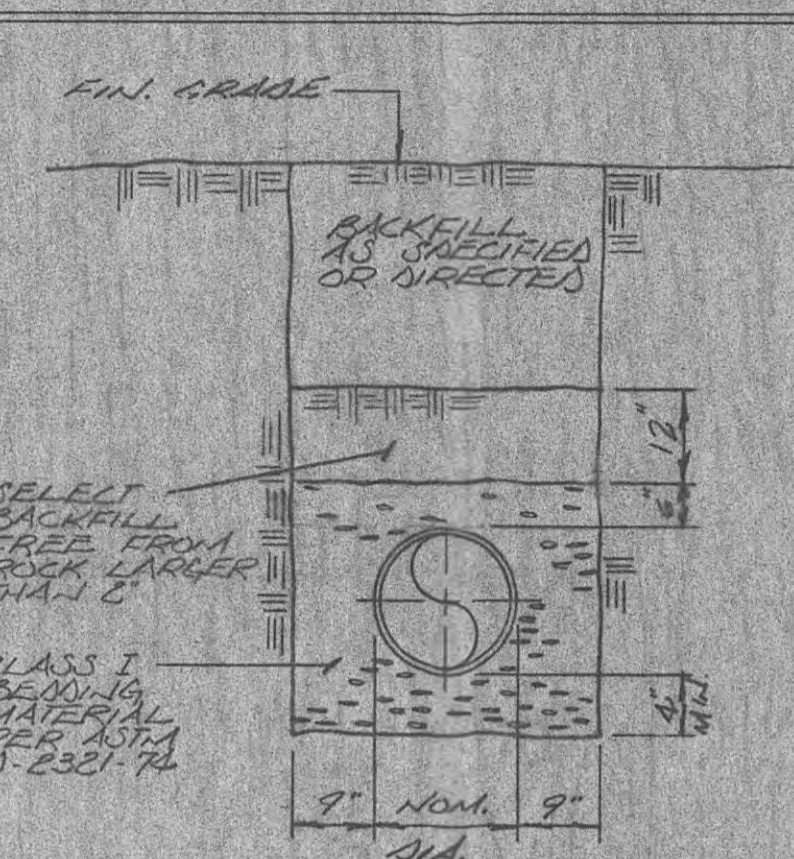
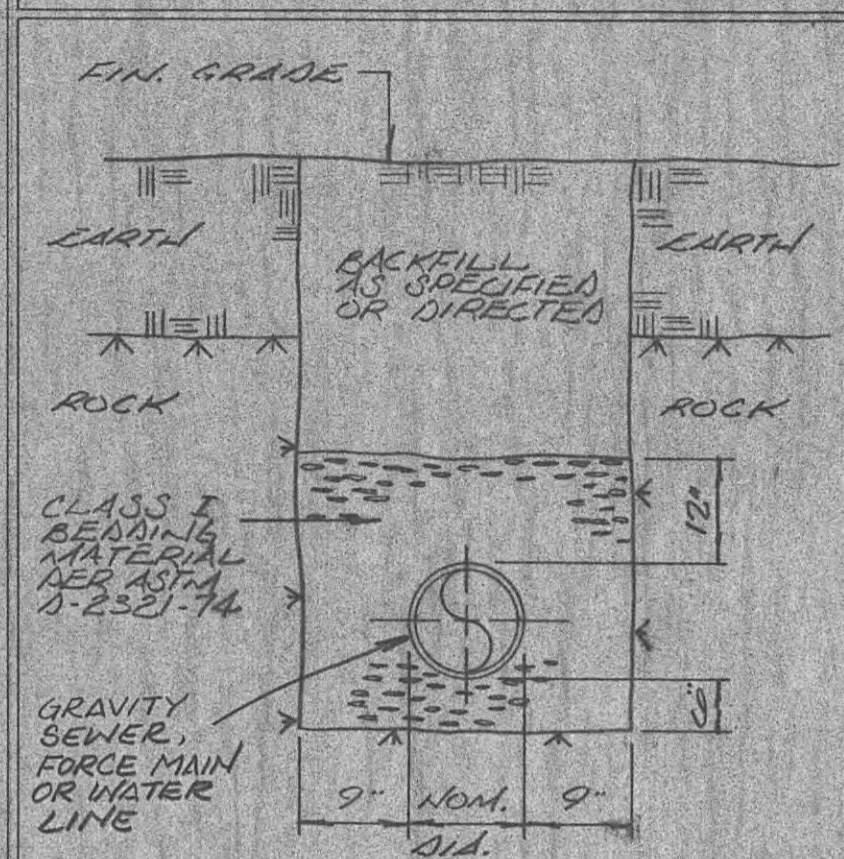
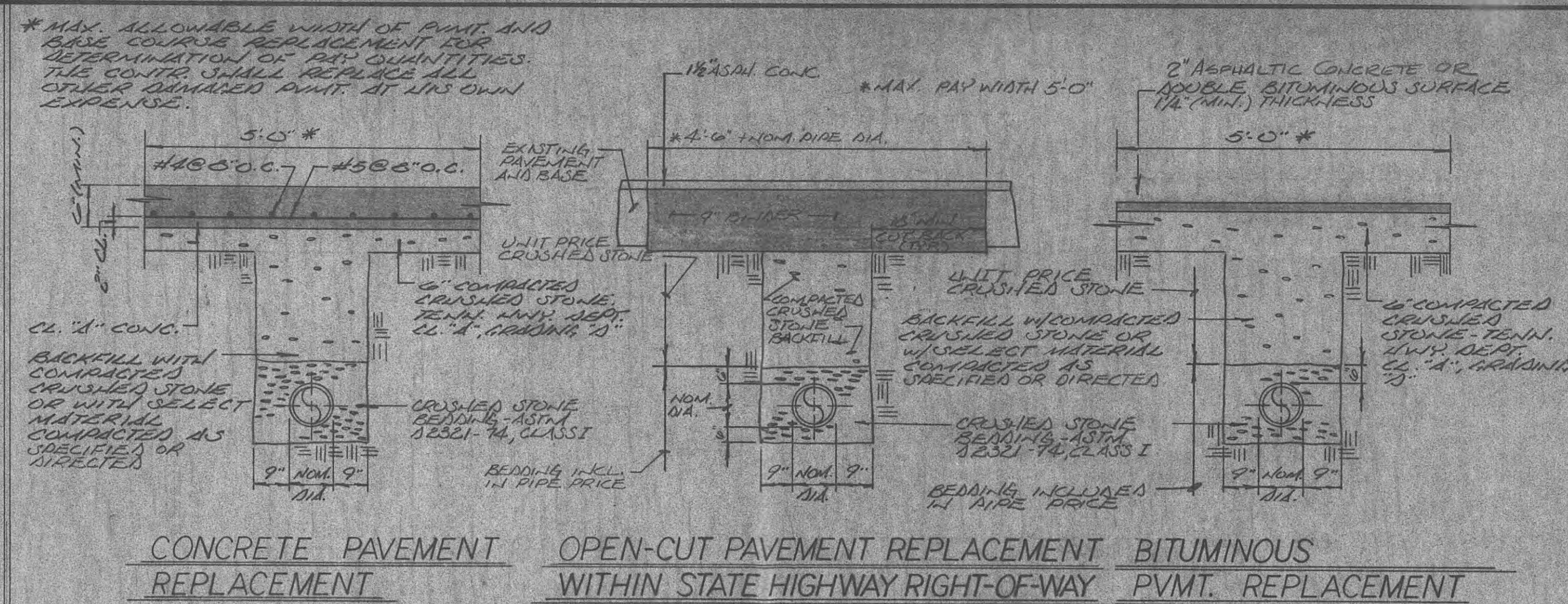
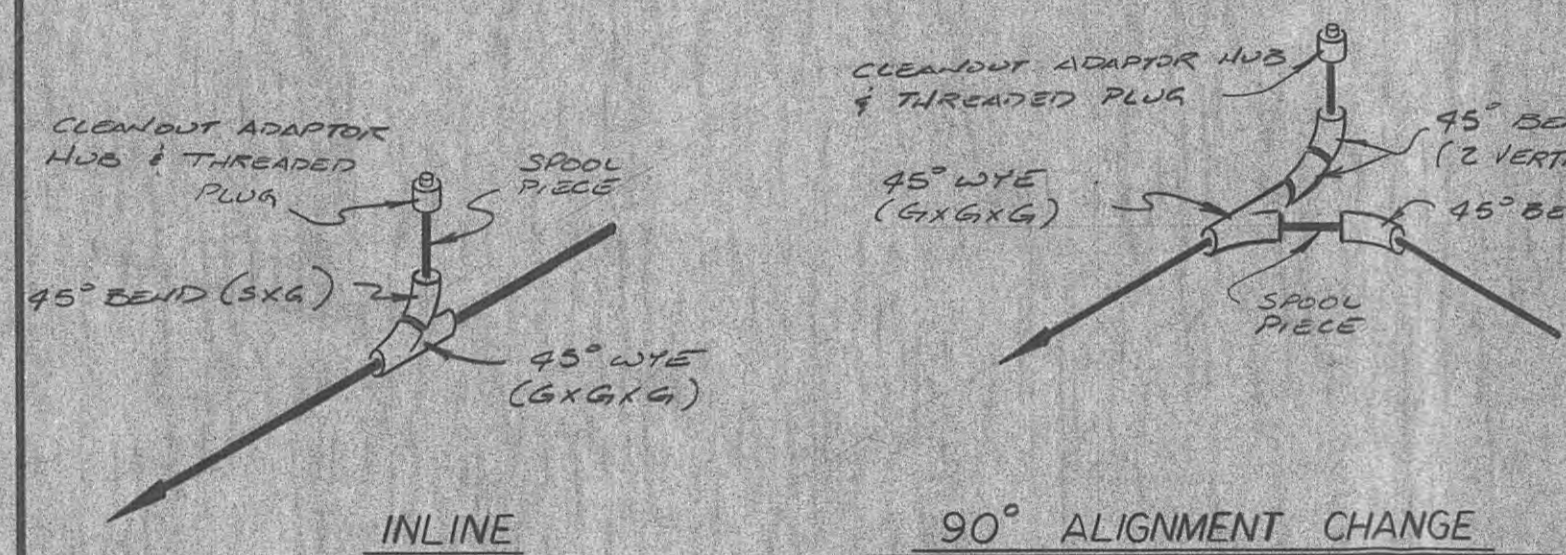
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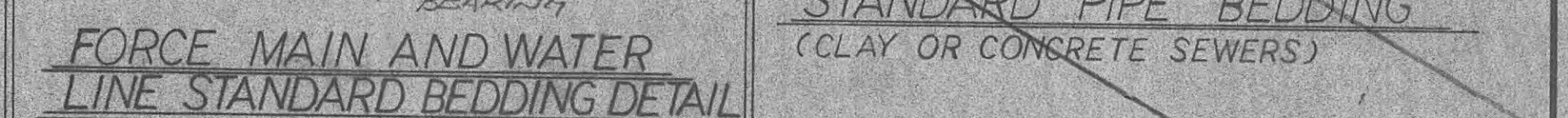
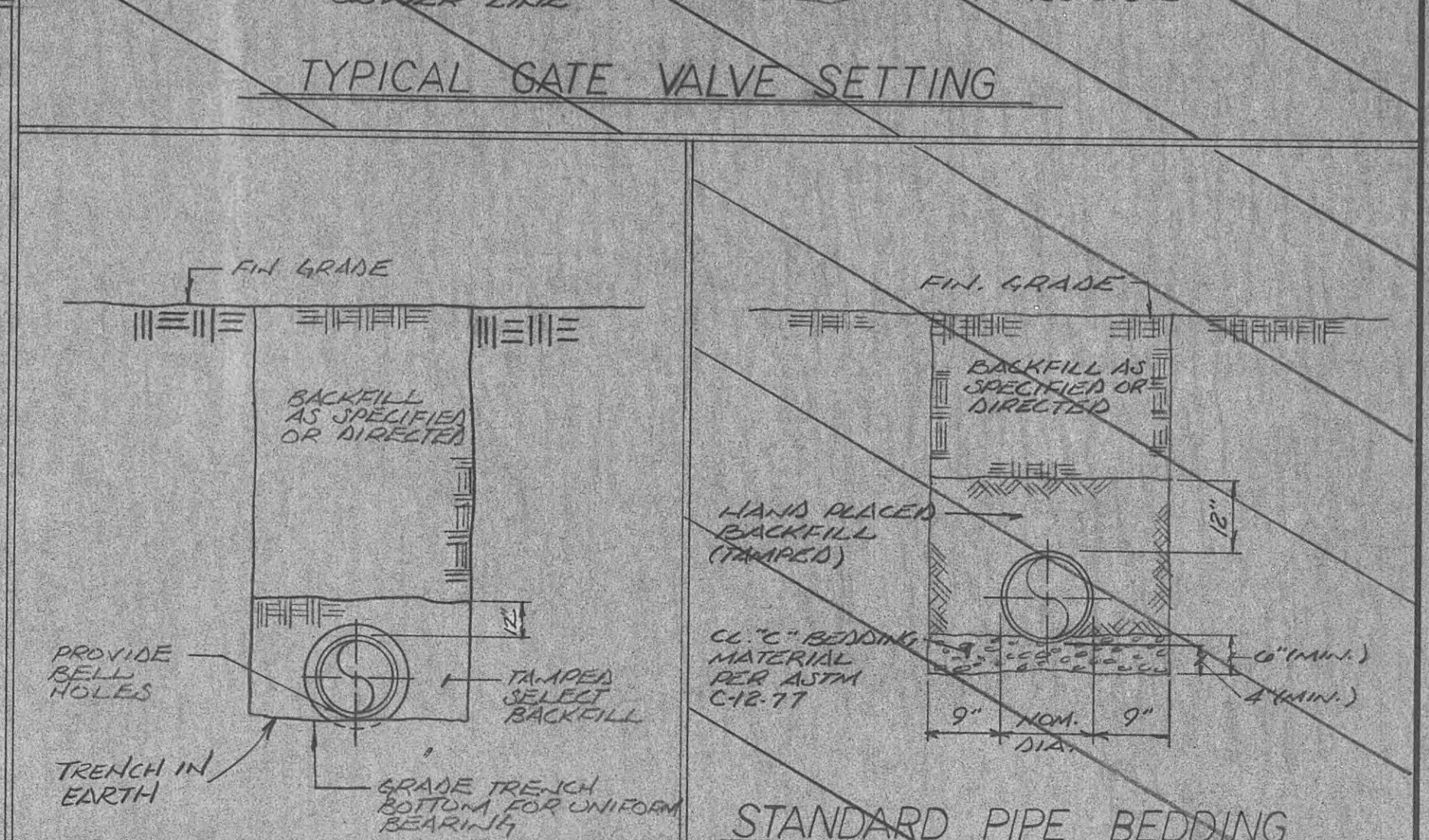
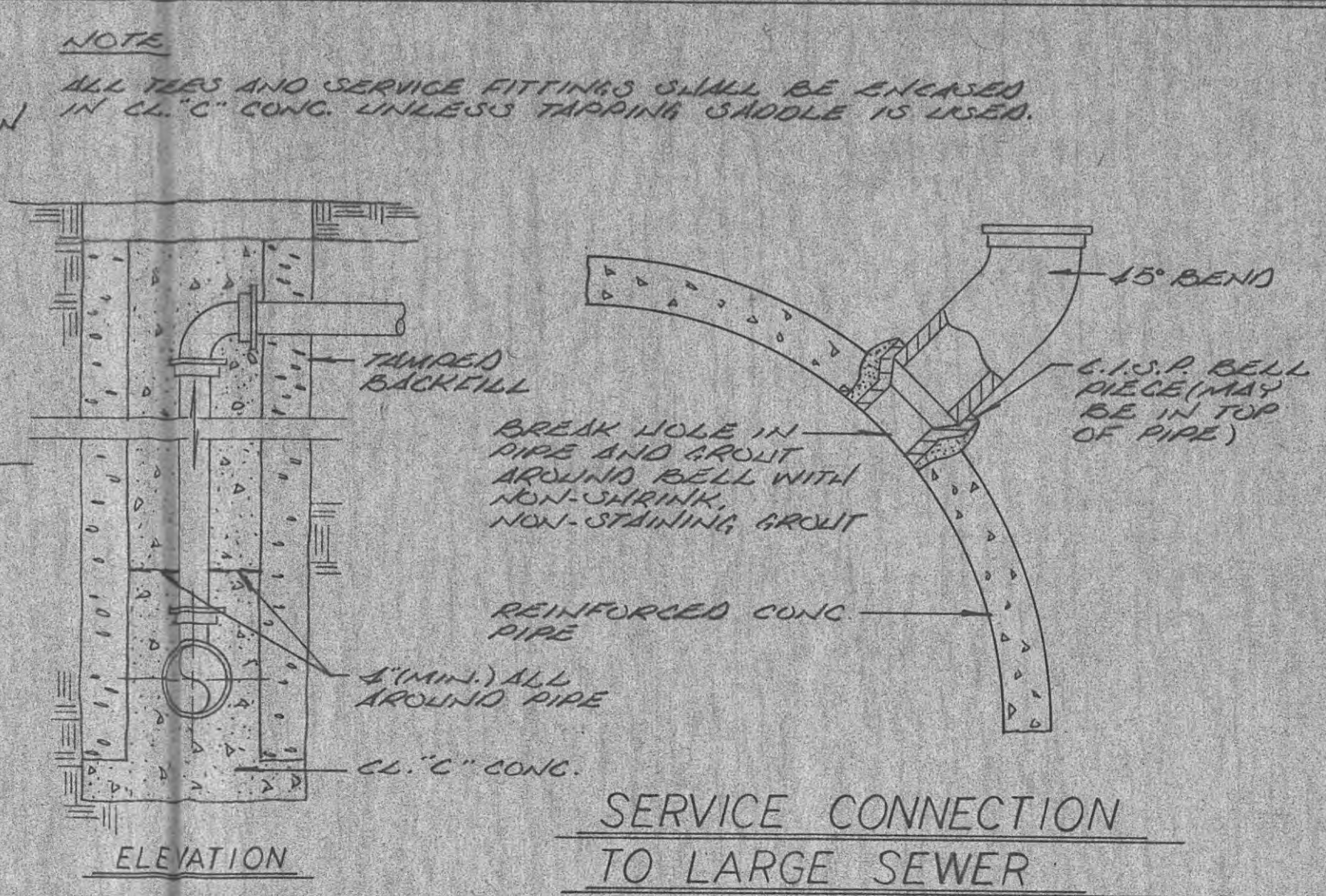
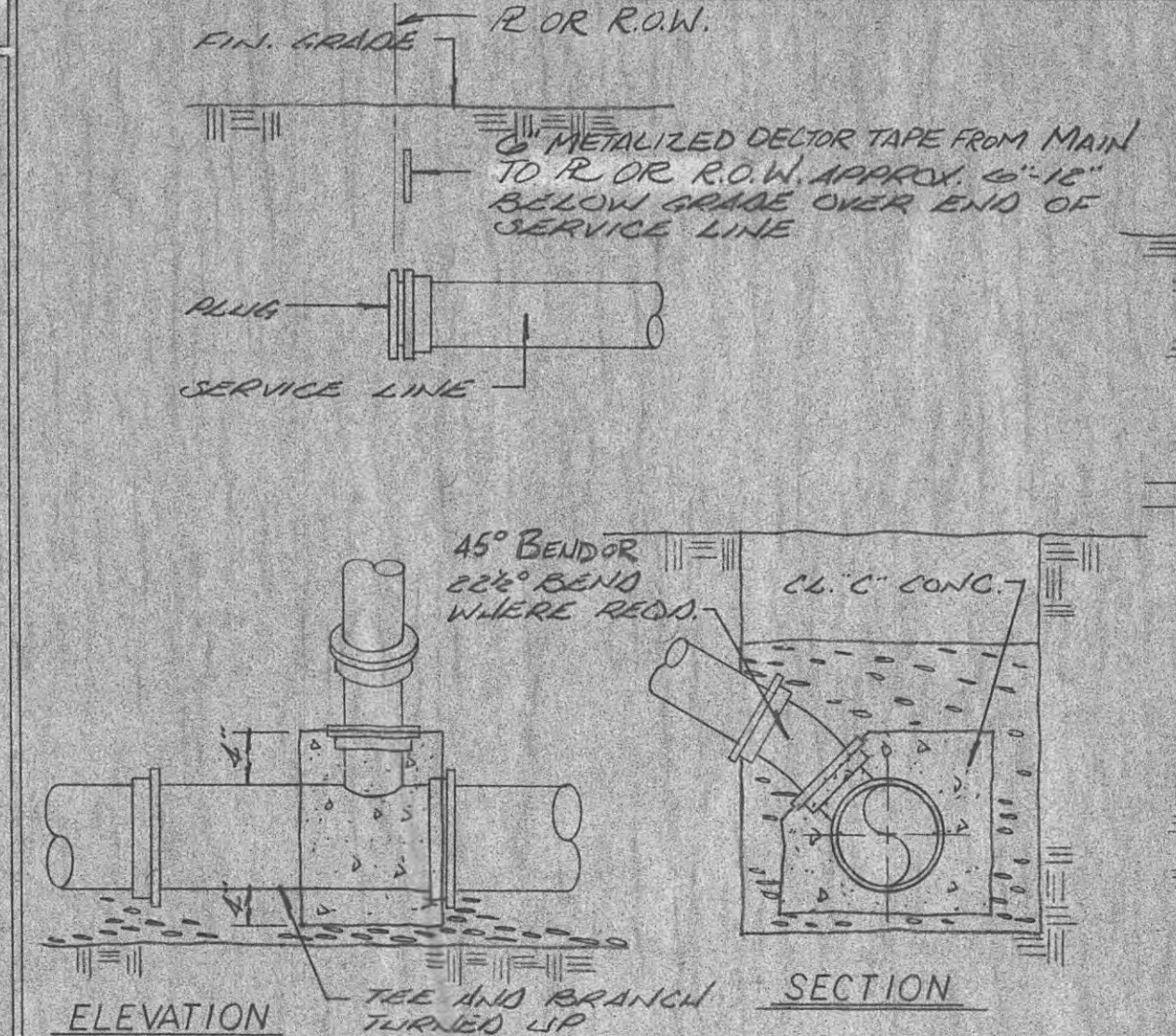
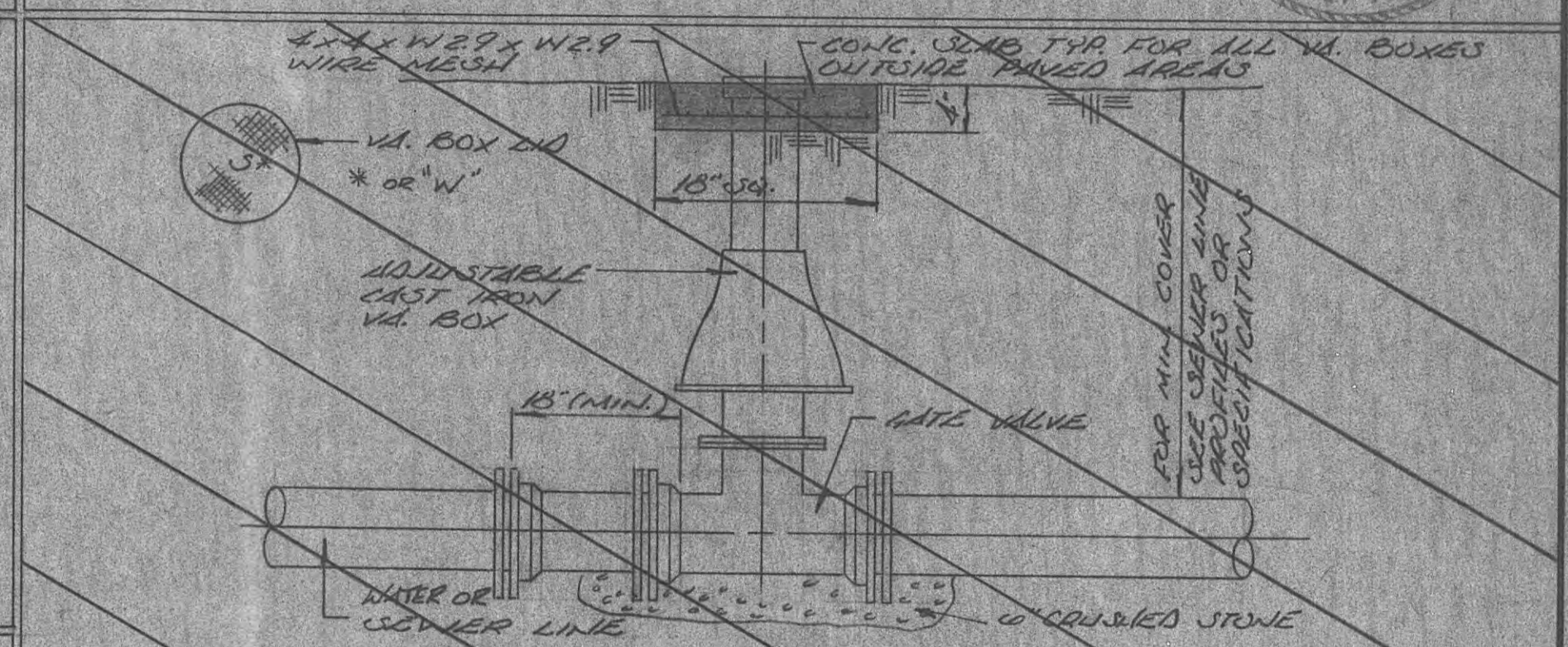
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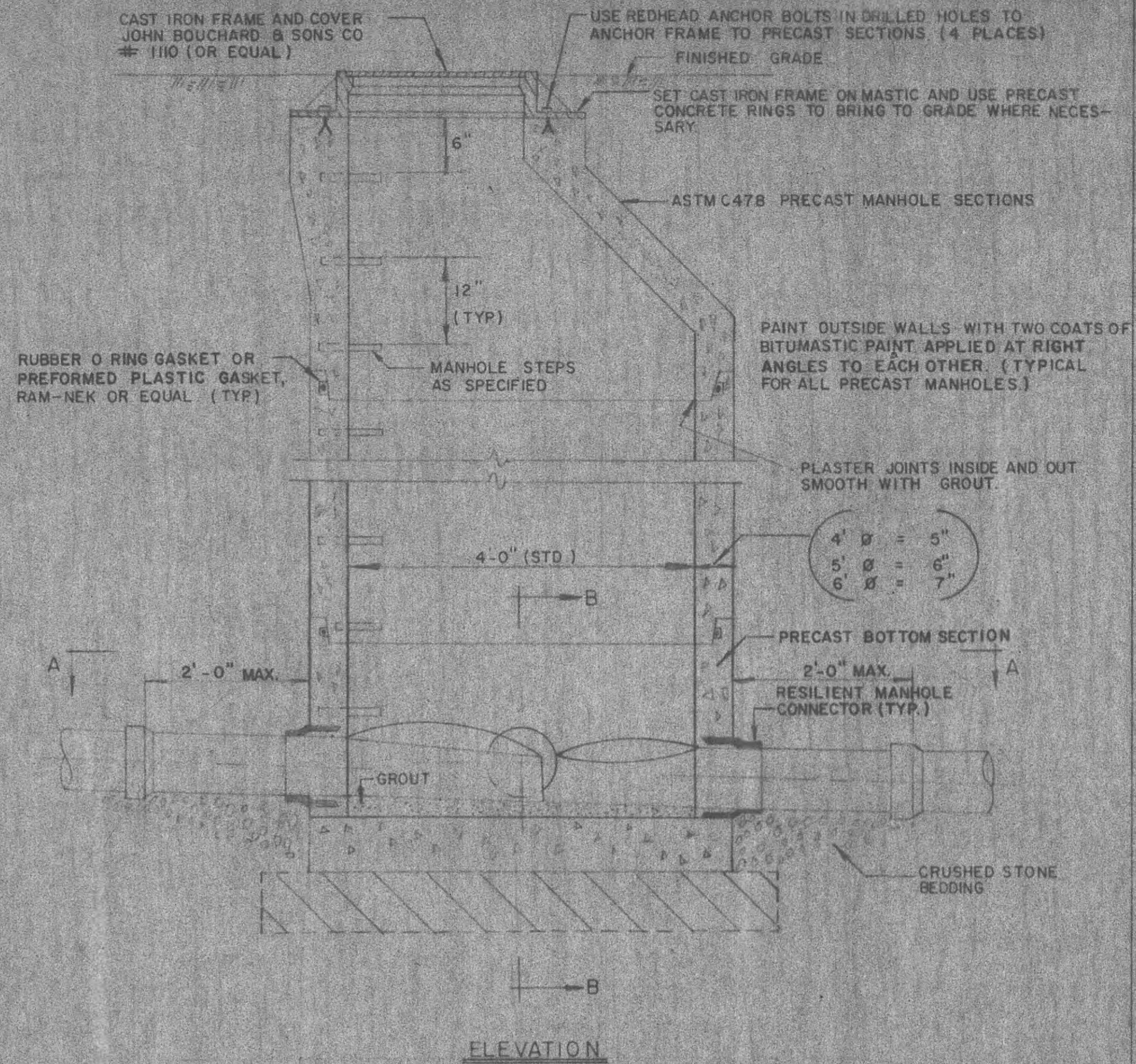


TYPICAL HOUSE CONNECTION DETAILS

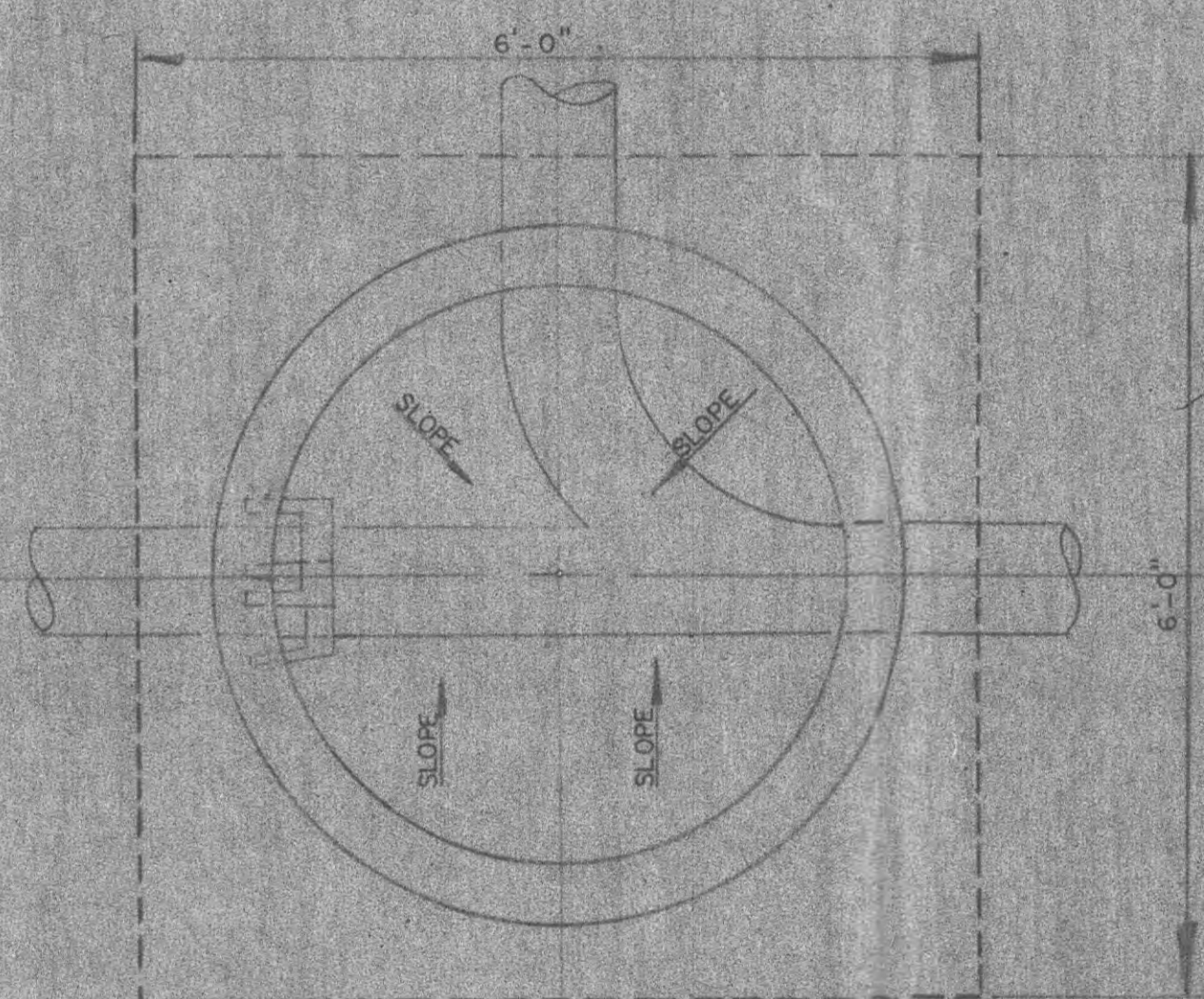


WATER LINE CROSSING DETAIL

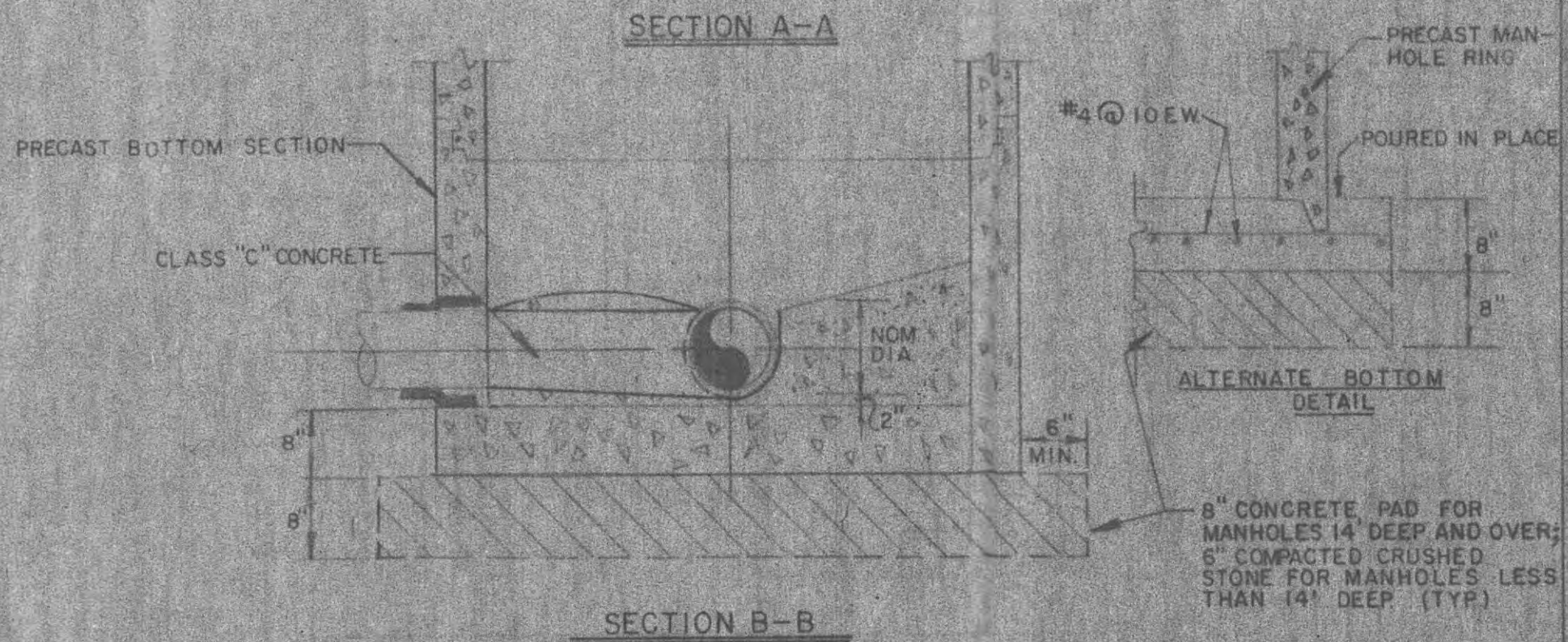




ELEVATION

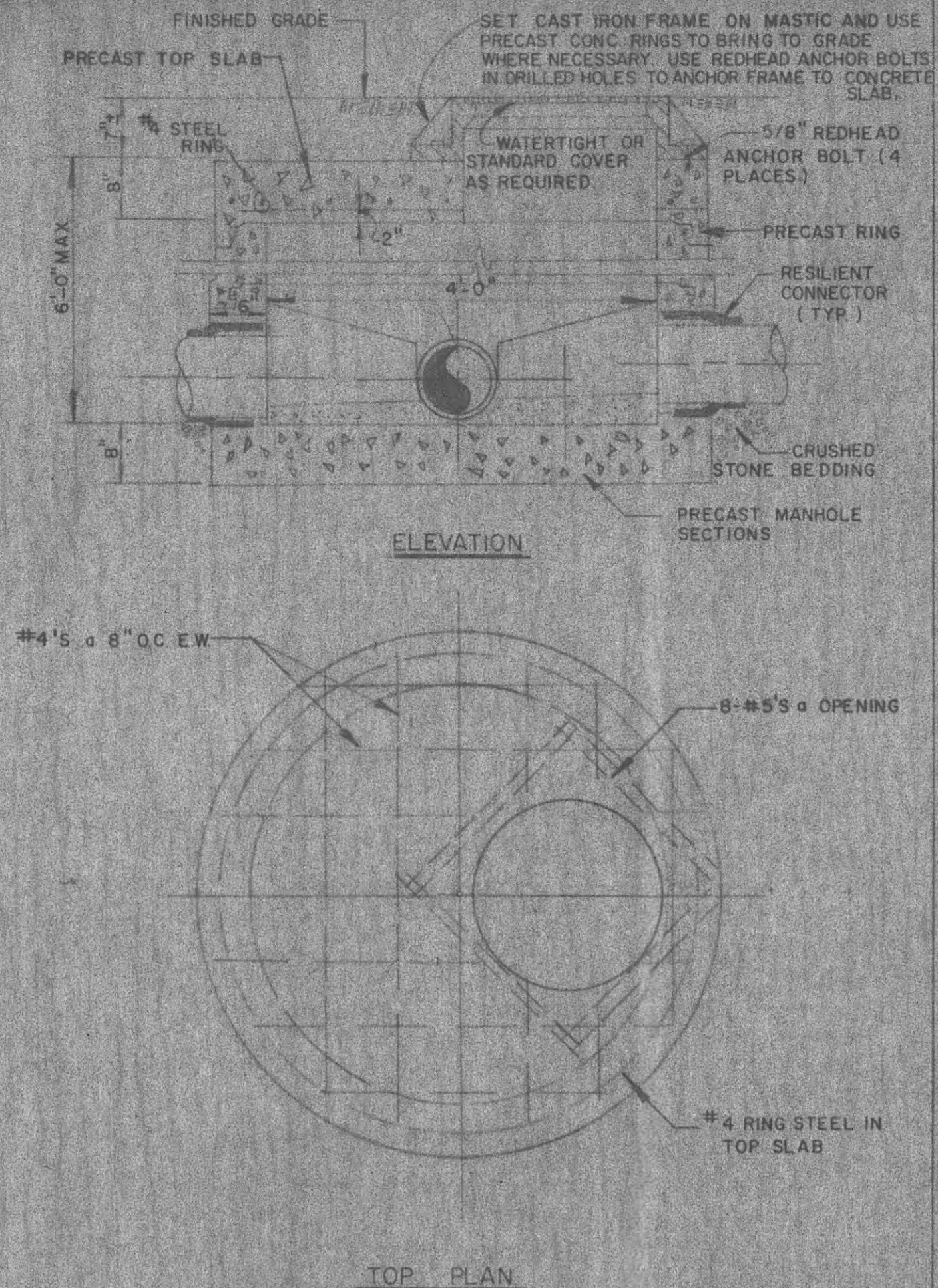


SECTION A-A



SECTION B-B

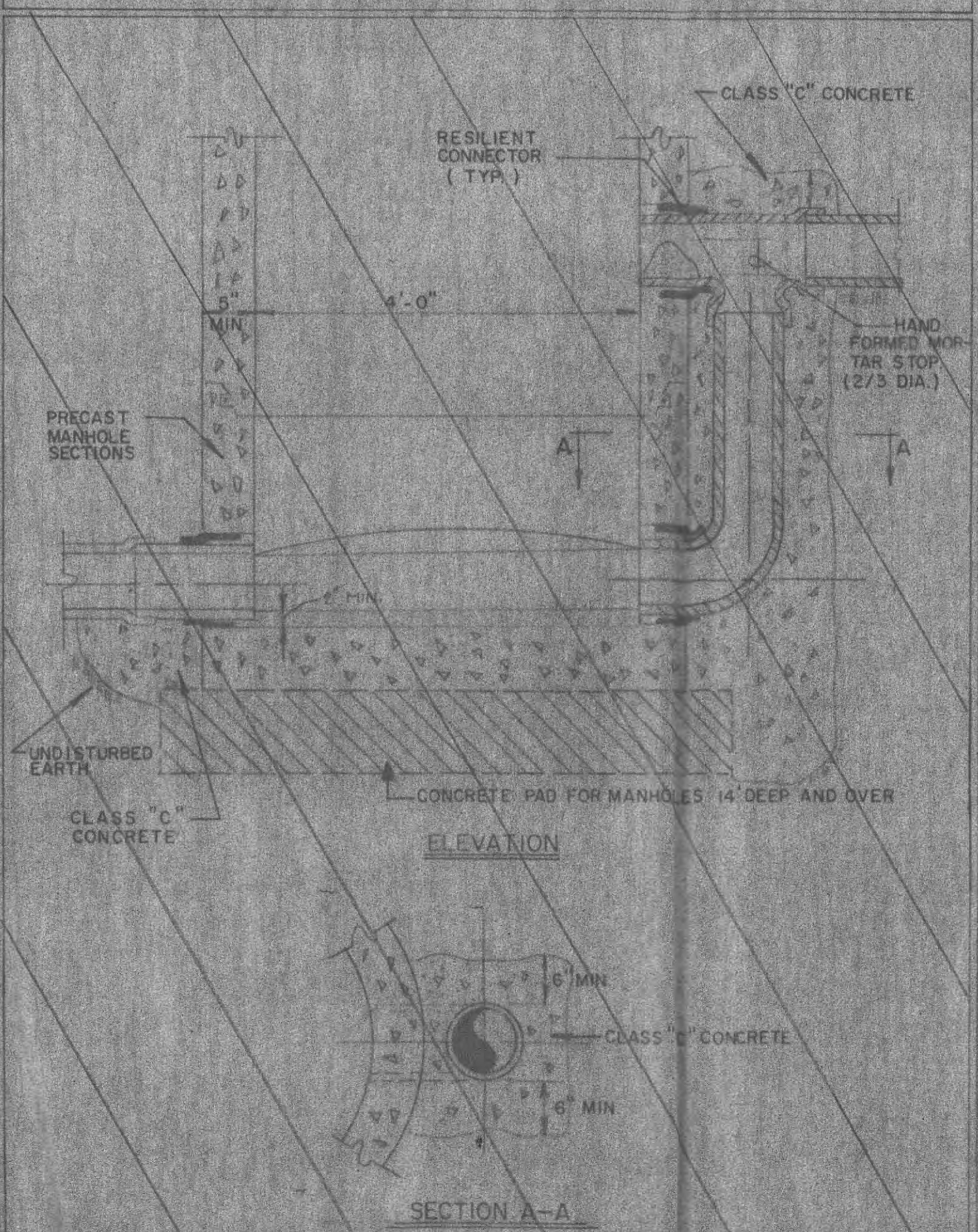
STANDARD PRECAST MANHOLE



ELEVATION

TOP PLAN

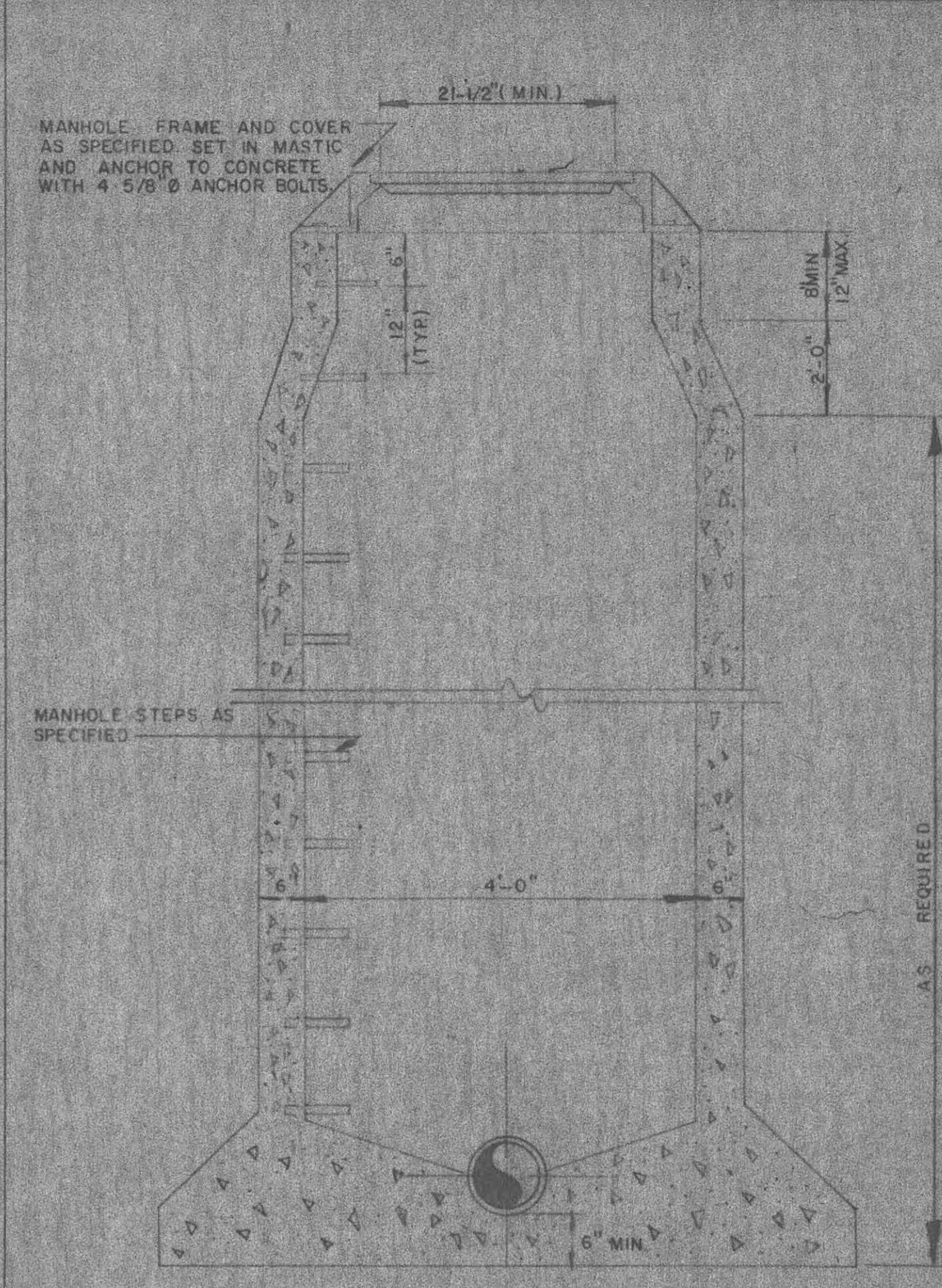
STANDARD SHALLOW MANHOLE



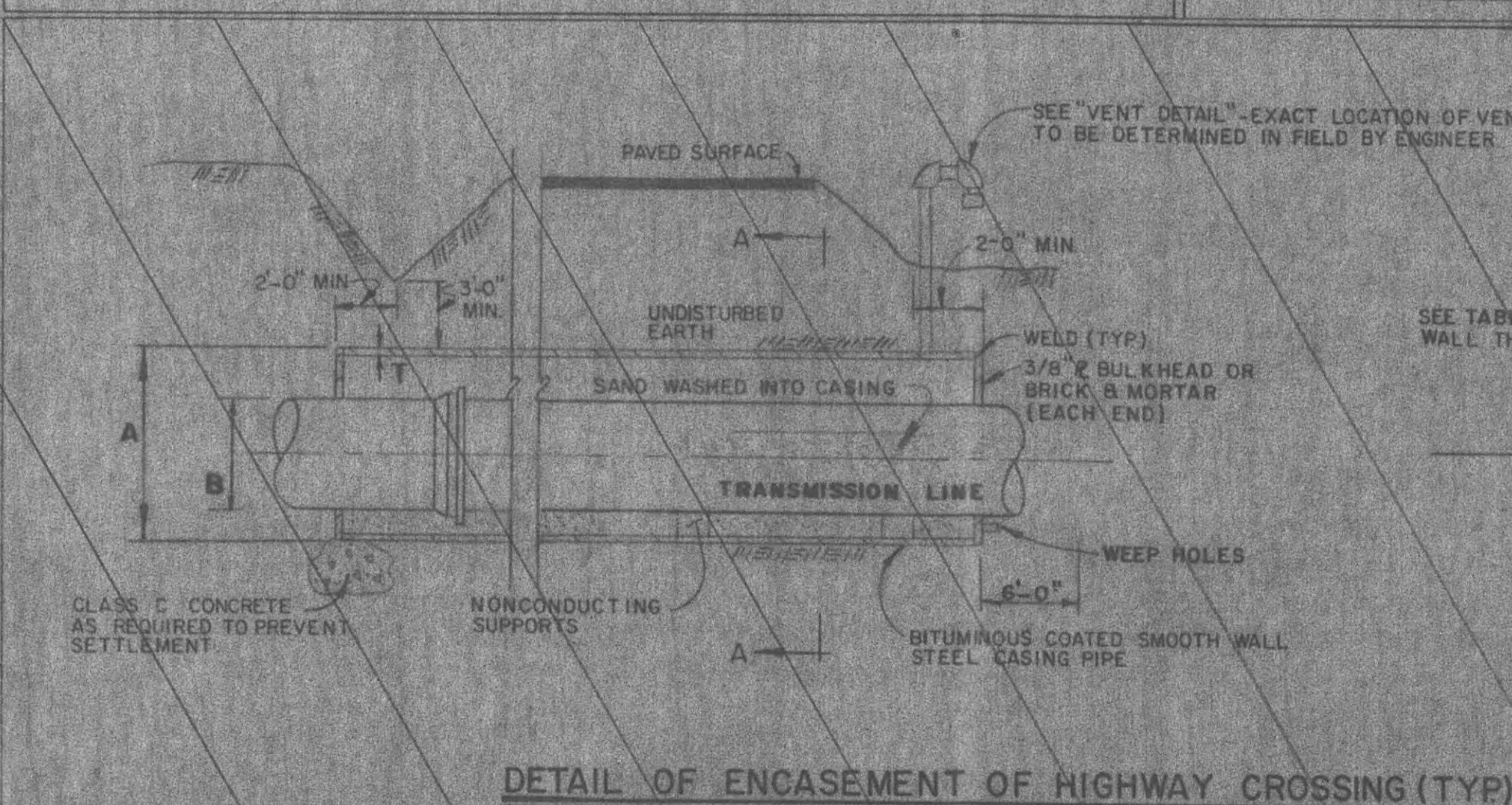
ELEVATION

SECTION A-A

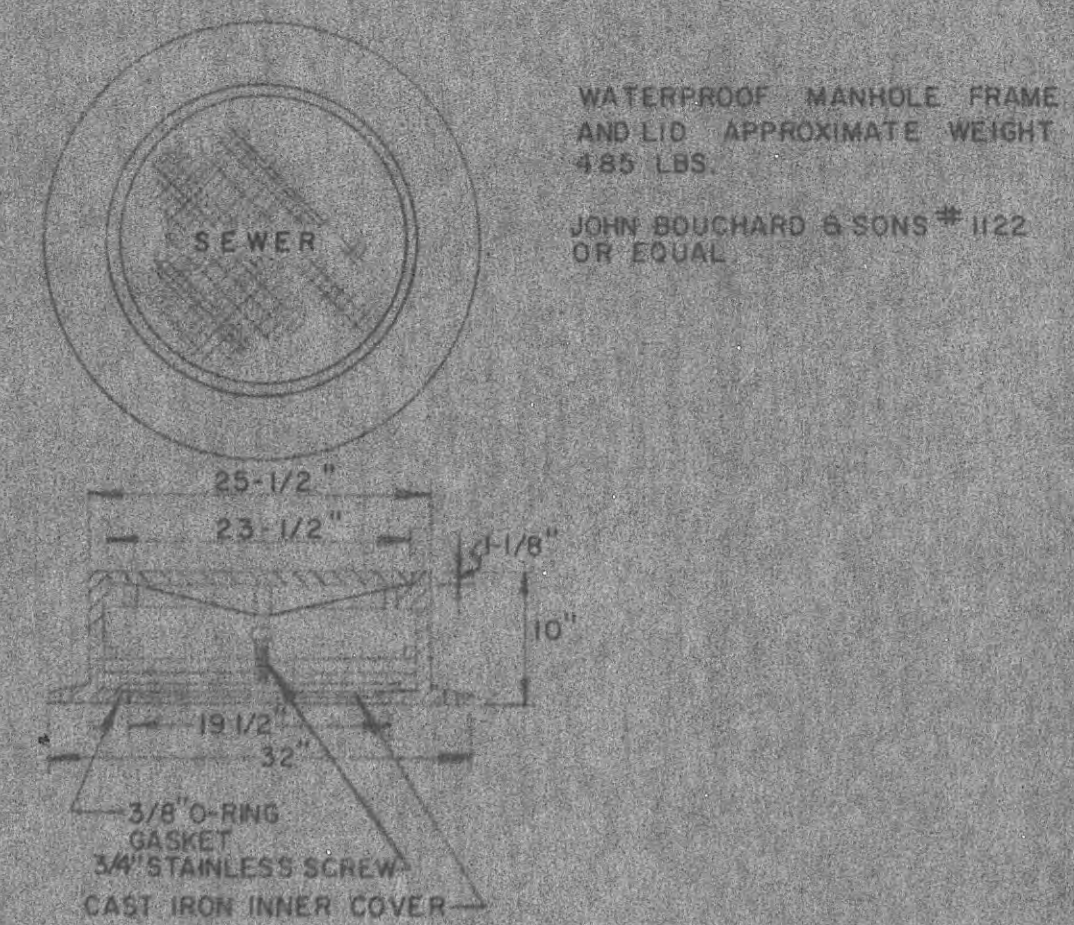
STANDARD DROP MANHOLE



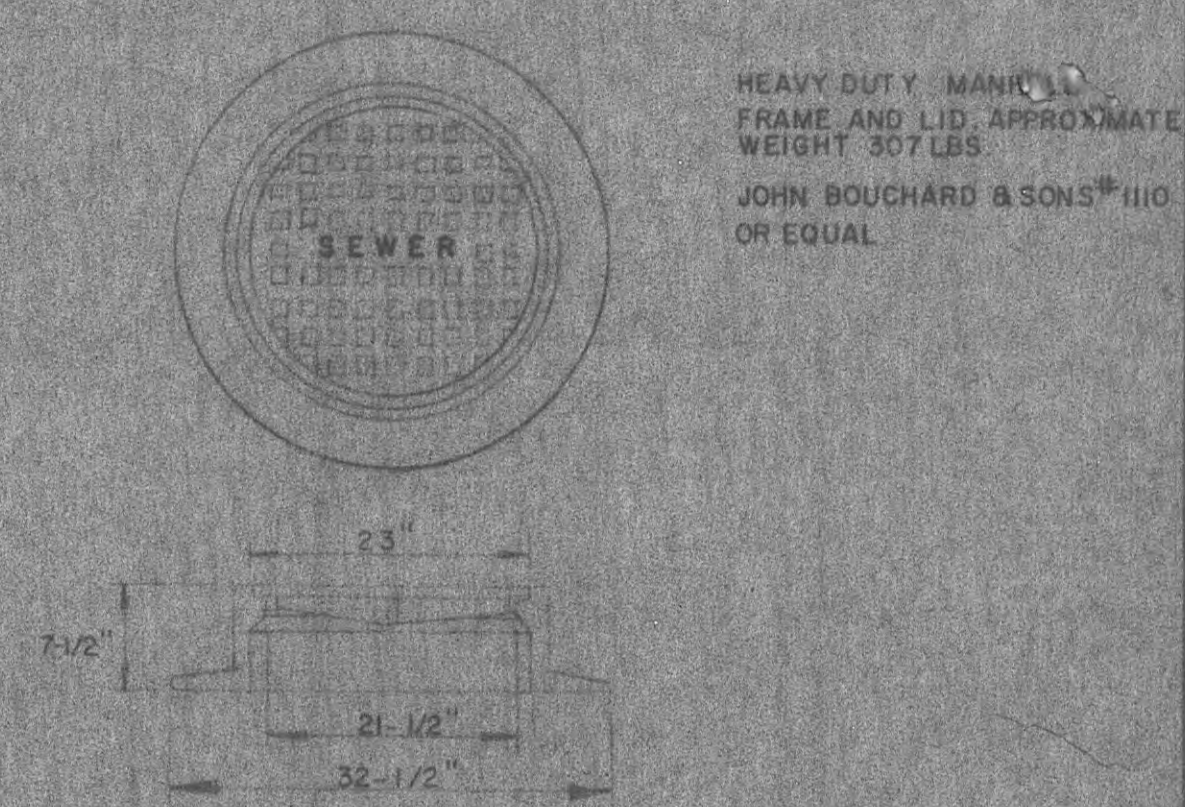
CAST-IN-PLACE MANHOLE



DETAIL OF ENCASEMENT OF HIGHWAY CROSSING (TYP)



MANHOLE FRAME AND COVER (WATERTIGHT)



MANHOLE FRAME AND COVER (TRAFFIC)

WHITE - TAYLOR - WALKER, INC.
NASHVILLE, TENNESSEE

REVISION	DATE	DESCRIPTION	BY	DESIGNED	SCALE	SANITARY SEWERAGE IMPROVEMENTS	STANDARD MANHOLE DETAILS HARRIMAN, TENNESSEE	SHEET 12 OF 12
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				TFG	DEC. 88			
				RET	88-05			

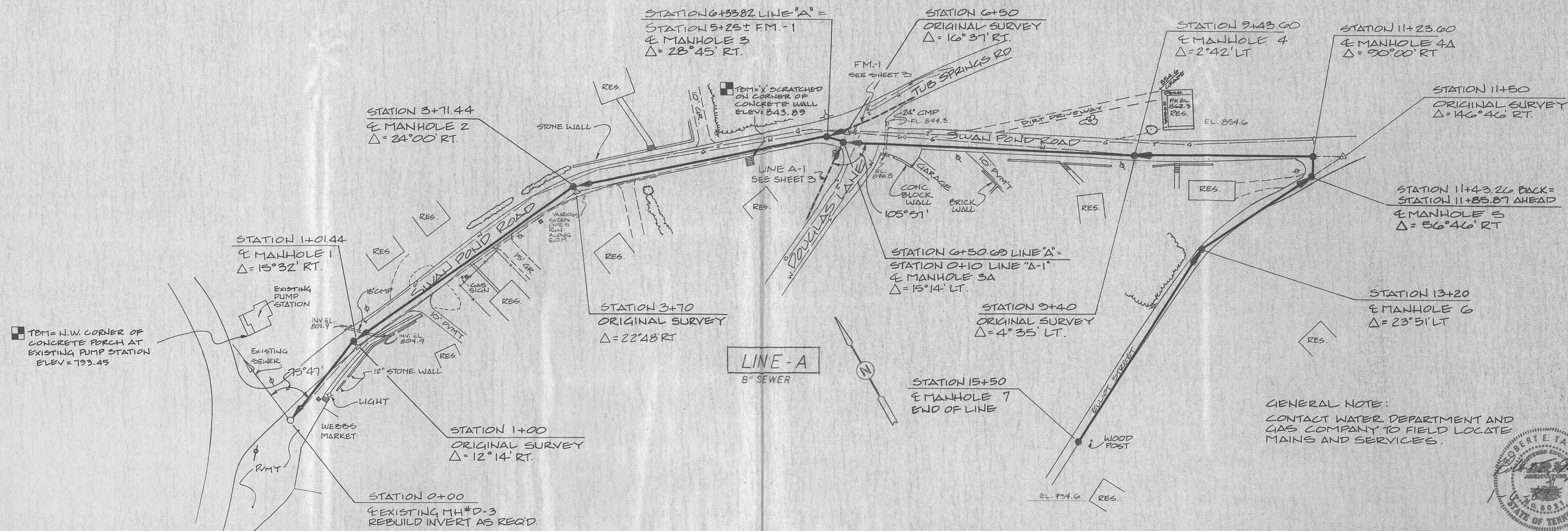
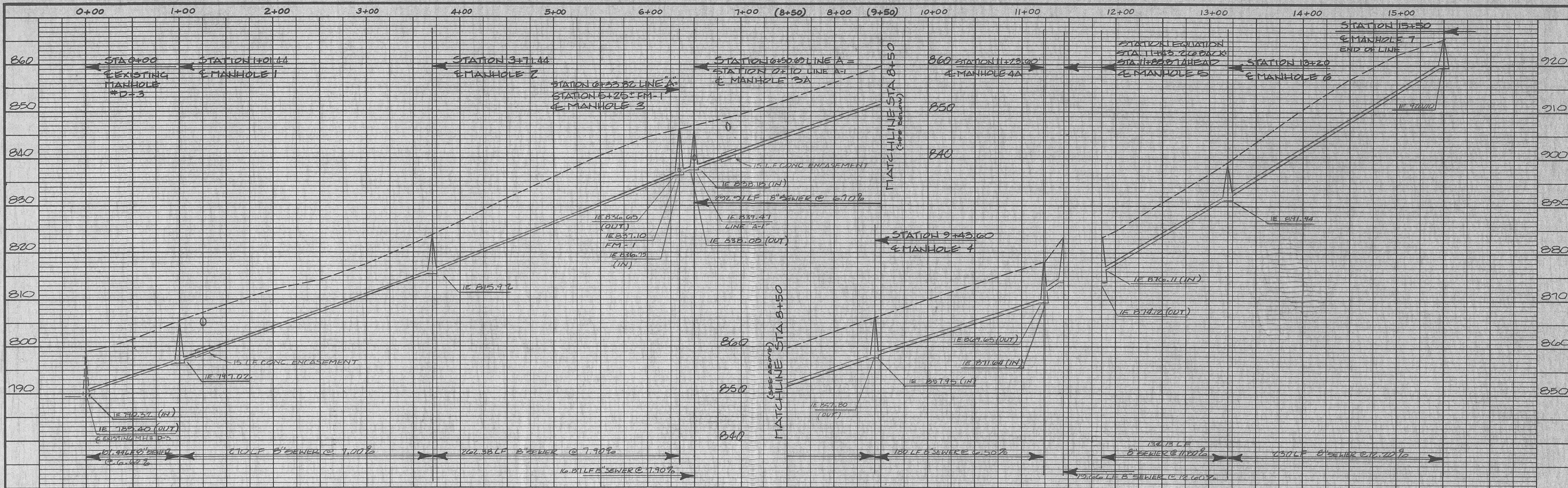




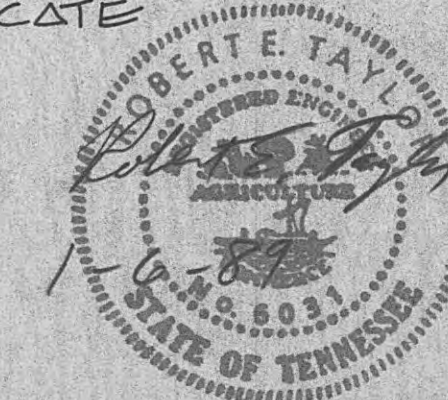
- LEGEND**
- EXISTING GRAVITY SEWER
 - PROPOSED GRAVITY SEWER
 - PROPOSED FORCE MAIN



WHITE - TAYLOR - WALKER, INC. NASHVILLE, TENNESSEE	REVISION	DATE	DESCRIPTION	BY	DESIGNED	SCALE	SANITARY SEWER IMPROVEMENTS	KEY MAP - 0000 /	HARRIMAN, TENNESSEE	SHEET 1 OF 12
		11-16-88	REVISION LINES SHIFTER TO MATCH ACTUAL FIELD SURVEY	PLE	RDW	1" = 800'				
					P.F.	FEB. 1988				
					RDW	88-05				



GENERAL NOTE:
CONTACT WATER DEPARTMENT AND
GAS COMPANY TO FIELD LOCATE
MAINS AND SERVICES.



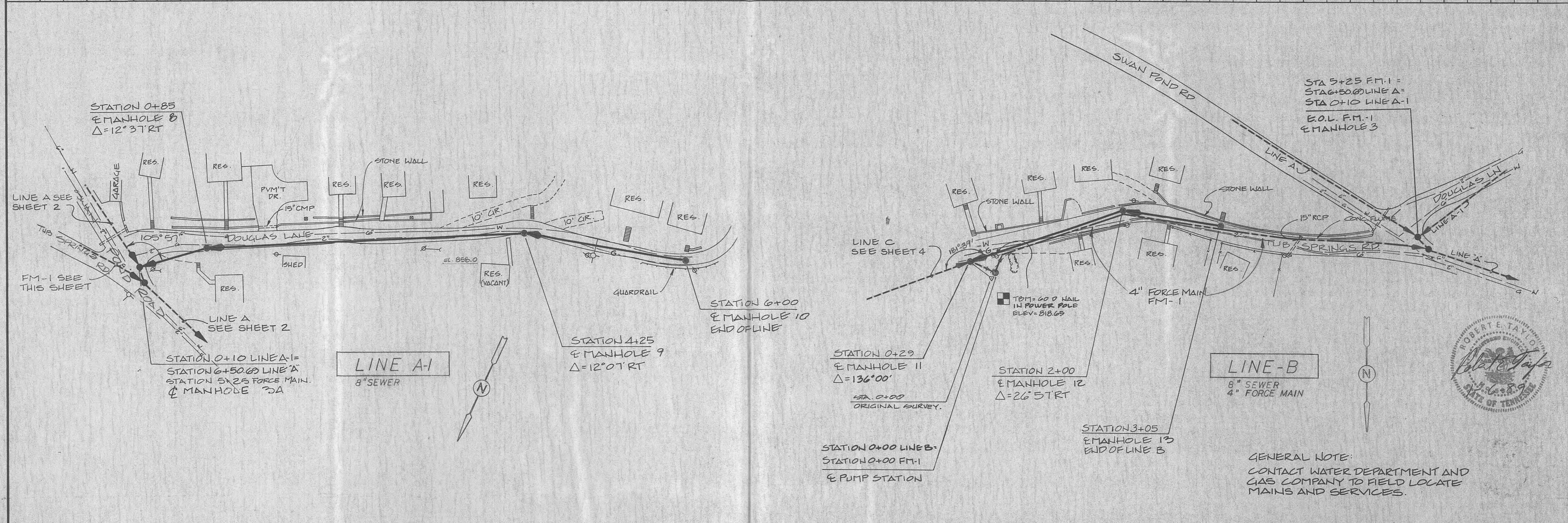
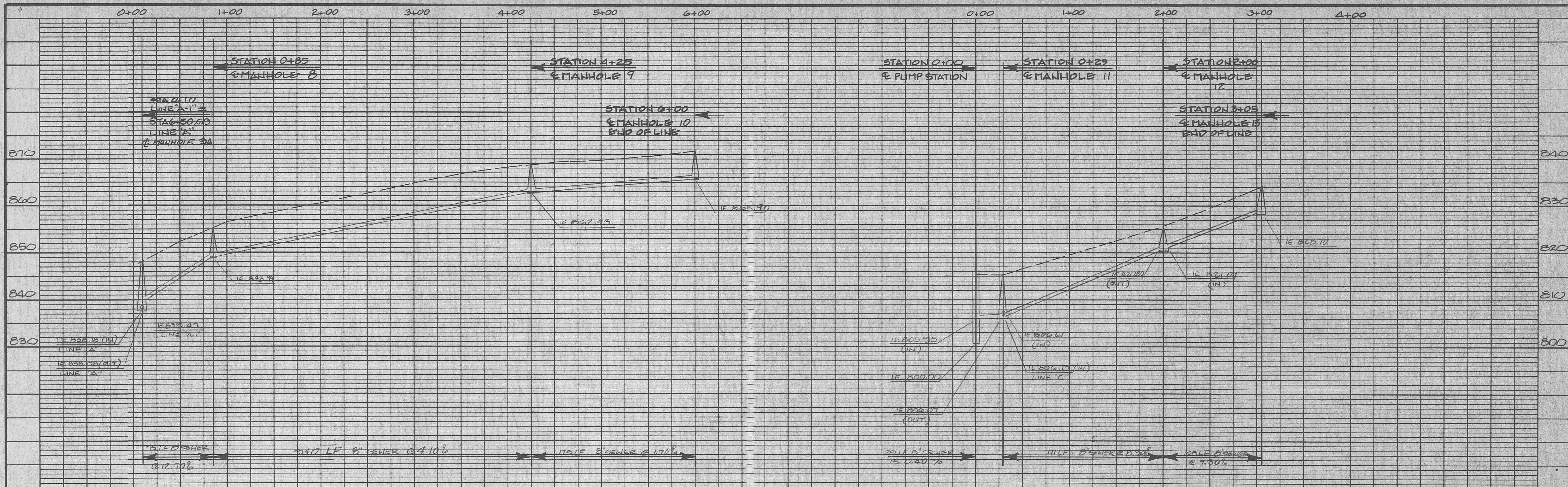
WHITE - TAYLOR - WALKER, INC.
BRENTWOOD, TENNESSEE

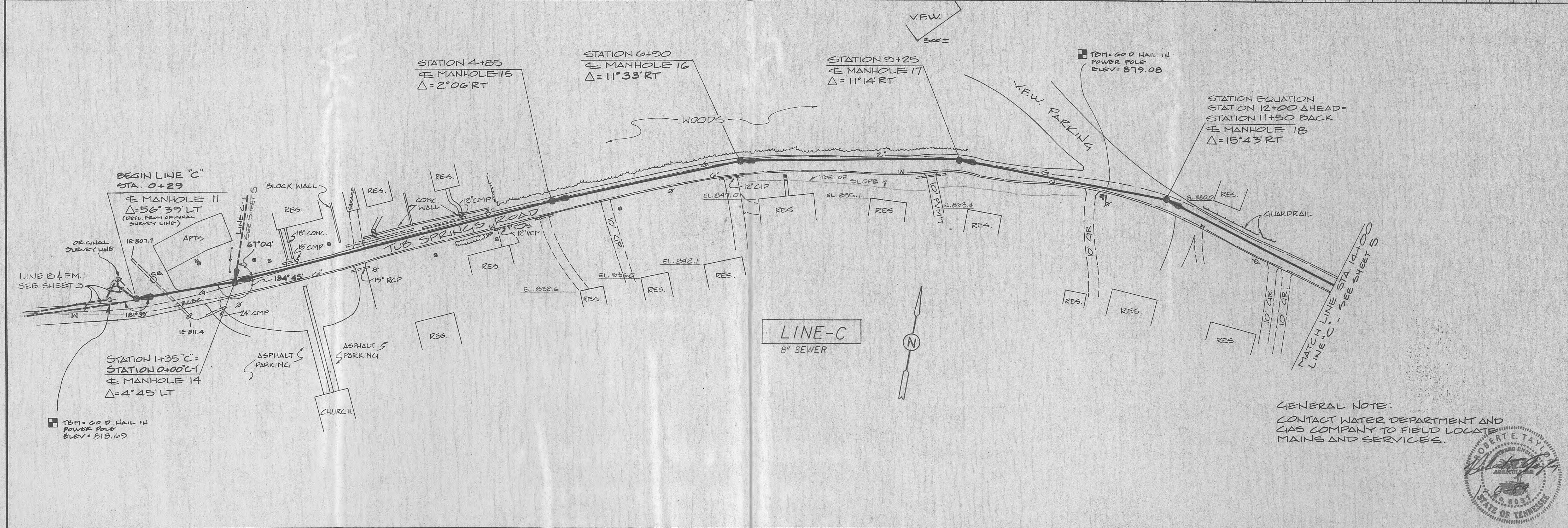
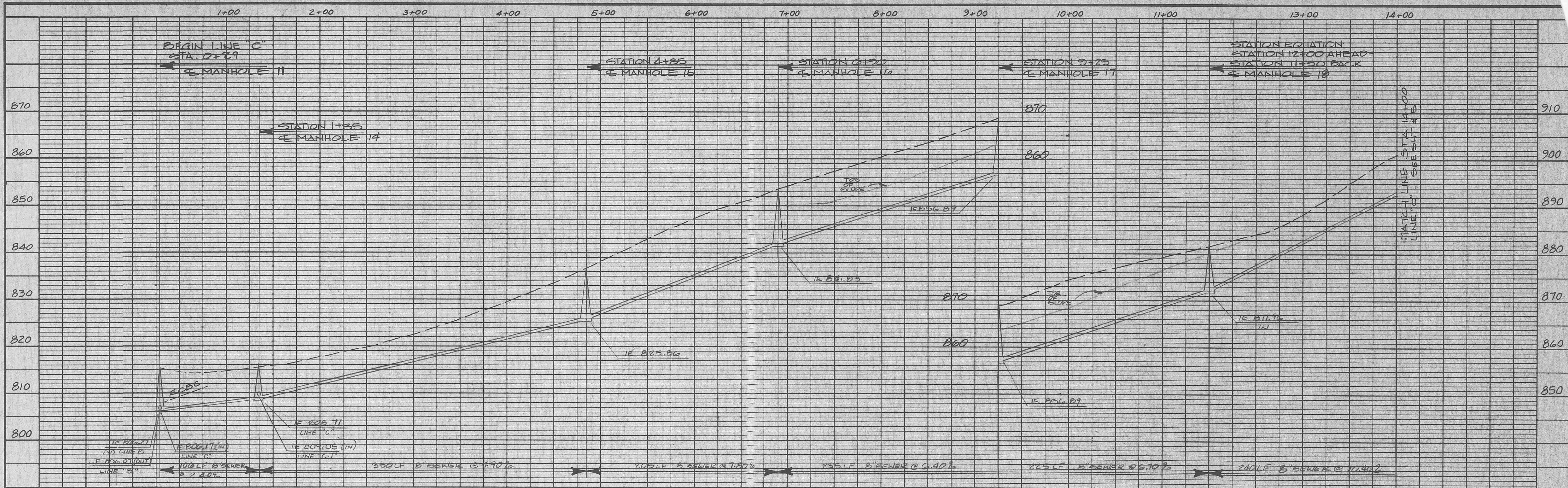
REVISION	DATE	DESCRIPTION	BY
DESIGNED	RET	SCALE	
DRAWN	TG/GLE	HOR 1"=50'	
CHECKED	RET	VER 1"=10'	
		DATE	
		DEC 88	
		JOB NO.	
		88-05	

SANITARY SEWERAGE
IMPROVEMENTS

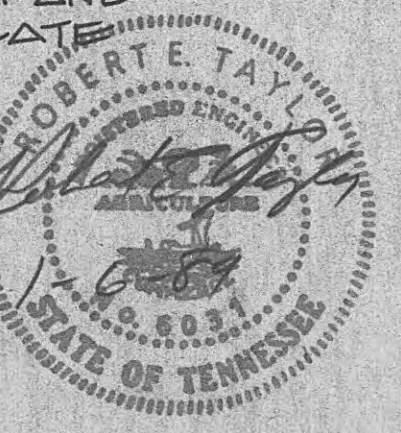
LINE "A" STA. 0+00 TO STA 15+50 E.O.L.
HARRIMAN, TENNESSEE

SHEET
2
OF
12





GENERAL NOTE:
CONTACT WATER DEPARTMENT AND
GAS COMPANY TO FIELD LOCATE
MAINS AND SERVICES.



WHITE - TAYLOR - WALKER, INC.
BRENTWOOD, TENNESSEE

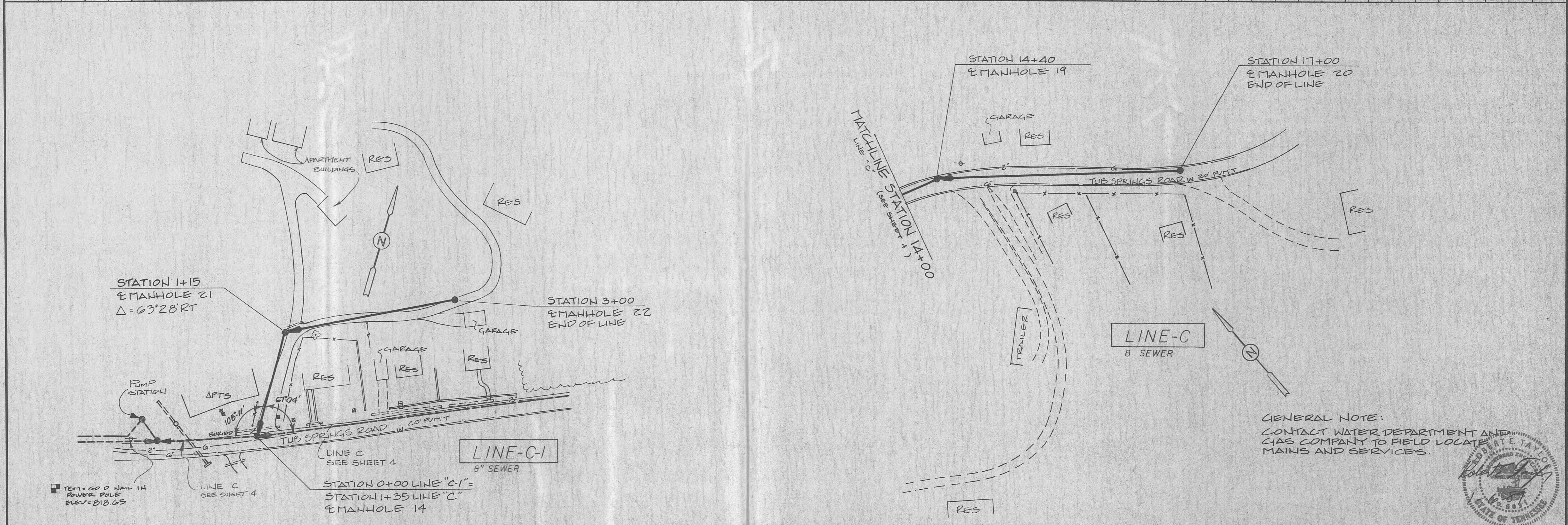
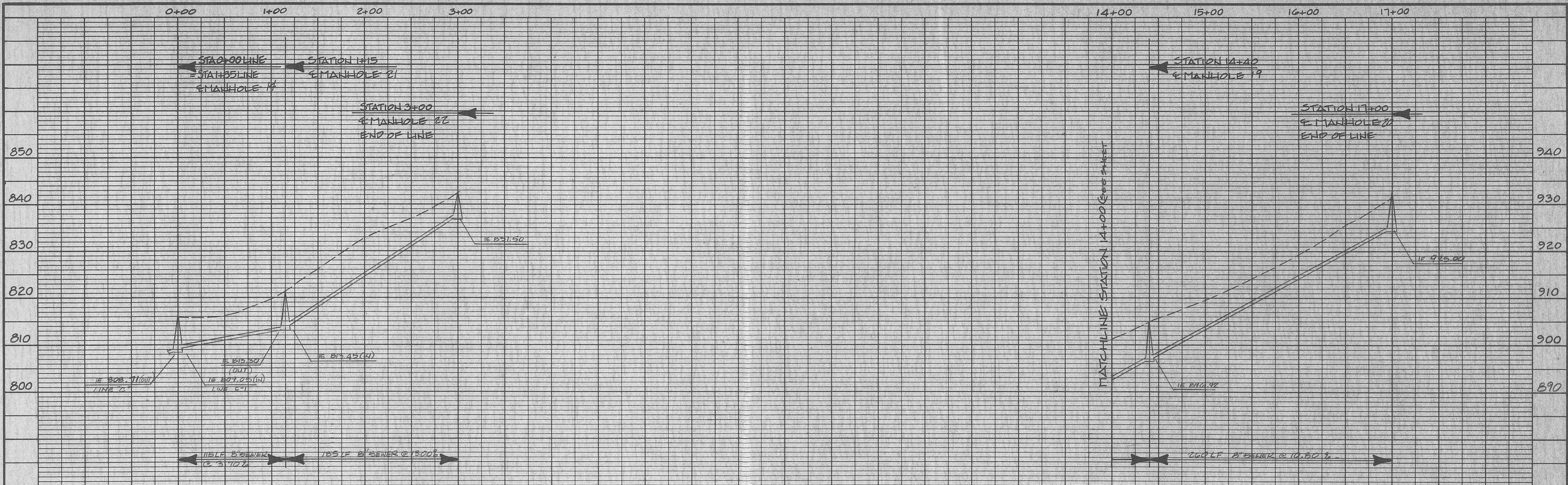
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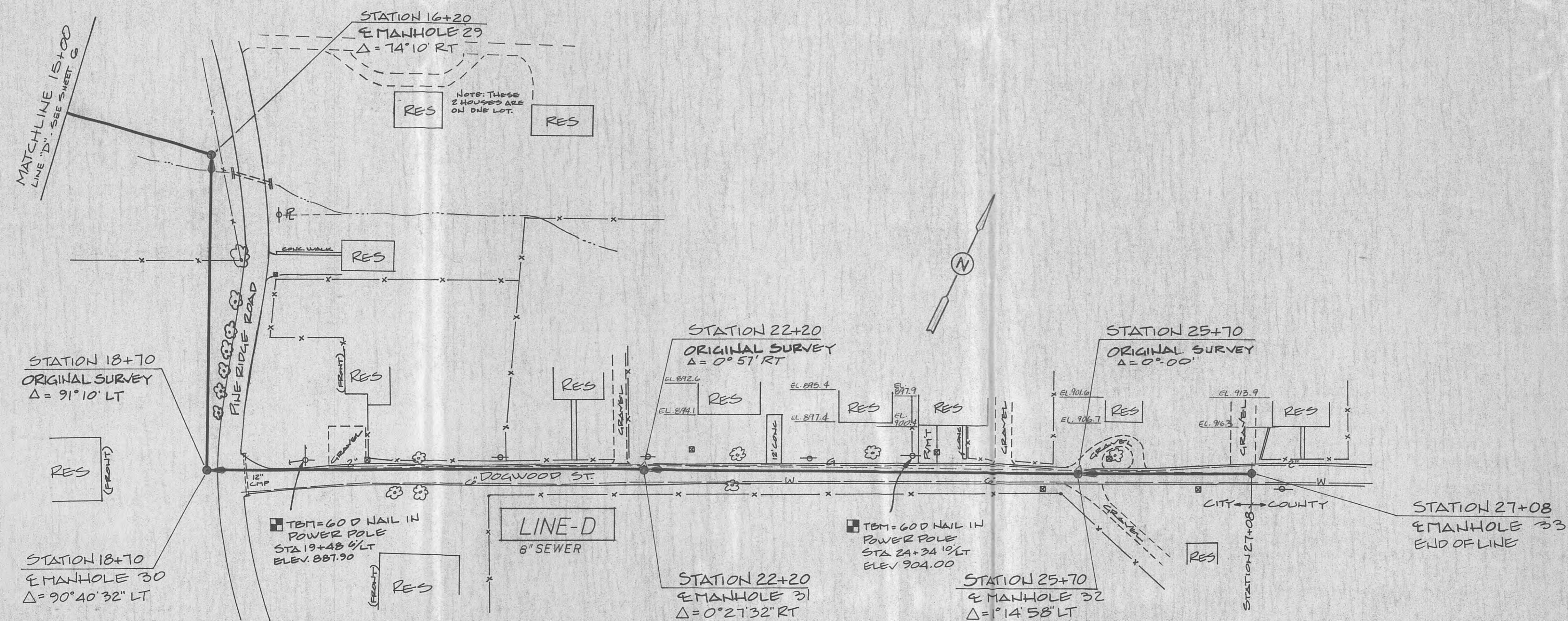
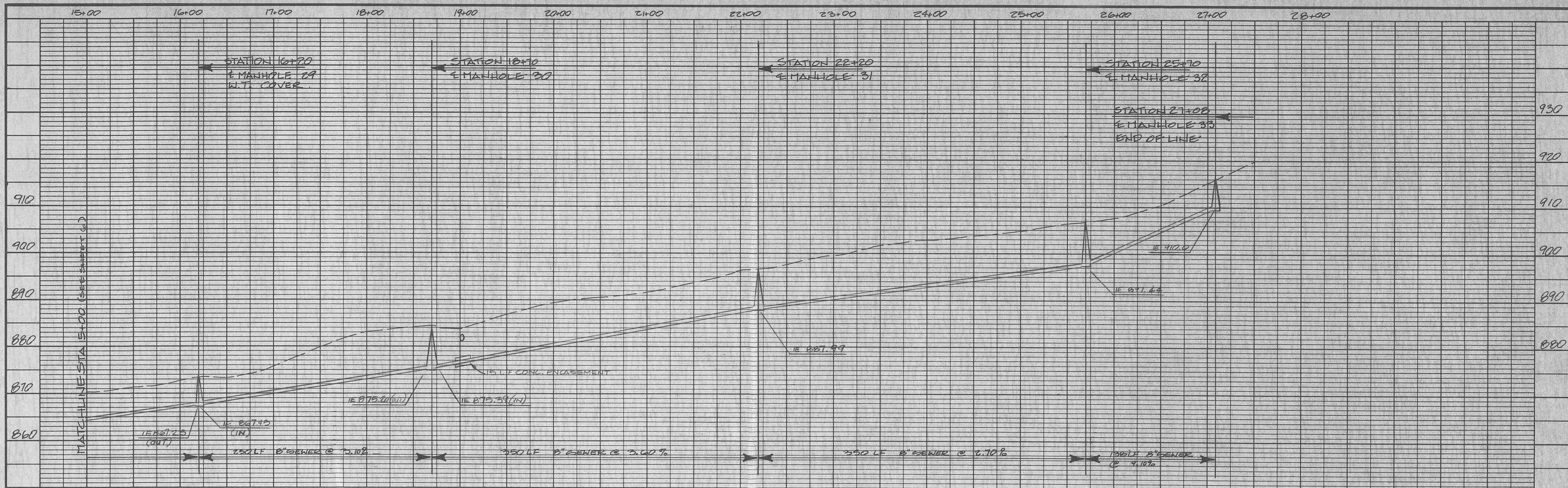
DESIGNED RET	SCALE HOR. 1"=50' VER. 1"=10'
DRAWN TG	DATE DEC. 88
CHECKED RET	JOB NO. 88-05

SANITARY SEWERAGE
IMPROVEMENTS

LINE "C" STA. 0+32 TO STA. 14+00
HARRIMAN, TENNESSEE

SHEET
4
OF
12





GENERAL NOTE:
CONTACT WATER DEPARTMENT AND
GAS COMPANY TO FIELD LOCATE
MAINS AND SERVICES.



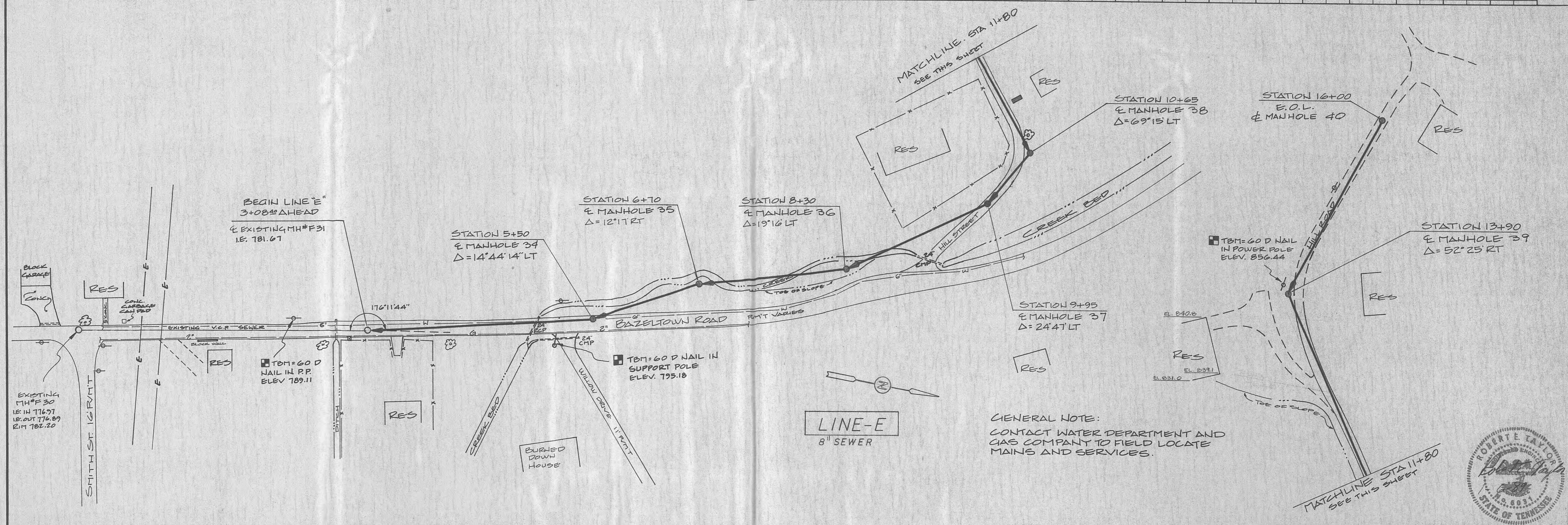
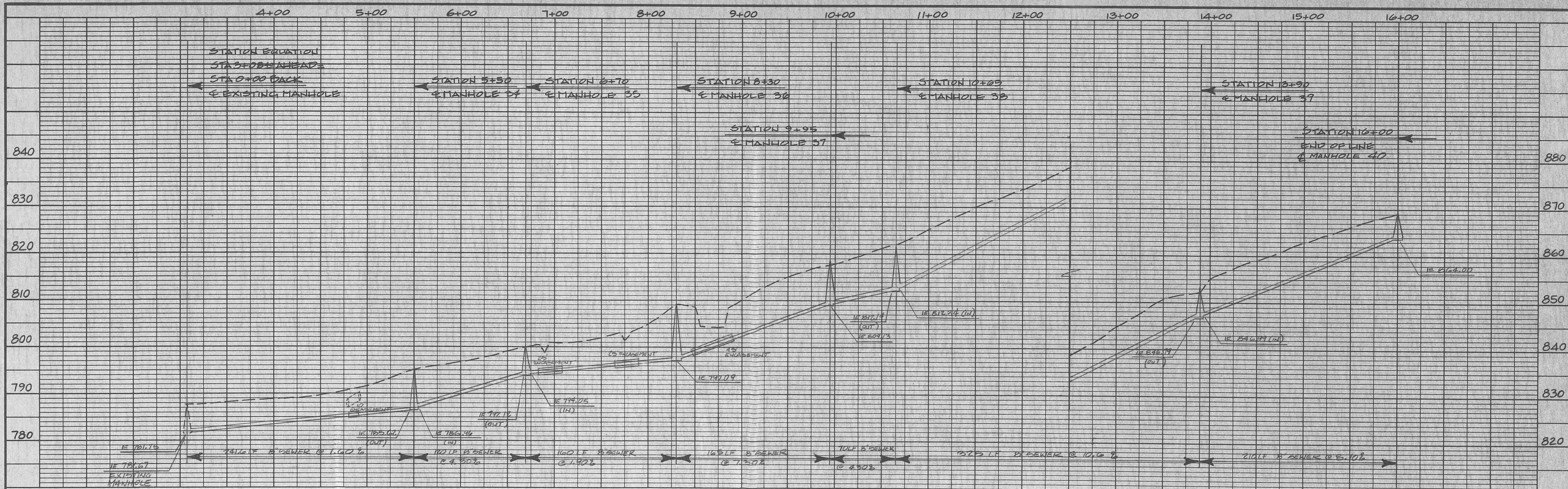
WHITE - TAYLOR - WALKER, INC.
BRENTWOOD, TENNESSEE

REVISION	DATE	DESCRIPTION	BY
DESIGNED	RET		
DRAWN	DLE		
CHECKED	RET		

SANITARY SEWERAGE
IMPROVEMENTS

LINE "D" STA. 15+00 TO STA. 27+08 EQL.
HARRIMAN, TENNESSEE.

SHEET
7
OF
12



WHITE - TAYLOR - WALKER, INC.
BRENTWOOD, TENNESSEE

REVISION	DATE	DESCRIPTION	BY
DESIGNED	RET		
DRAWN	DLE		
CHECKED	RET		

SANITARY SEWERAGE
IMPROVEMENTS

LINE "E" STA. 0+00 TO STA. 16+00 EQL.
HARRIMAN, TENNESSEE

SHEET
8
OF
12

