

WATER SYSTEM IMPROVEMENTS

FOR

HARRIMAN , TENNESSEE

CONTRACT I 500,000 GALLON GROUND LEVEL
WATER STORAGE TANK
CONTRACT II WATER TRANSMISSION LINES

SEPTEMBER, 1986

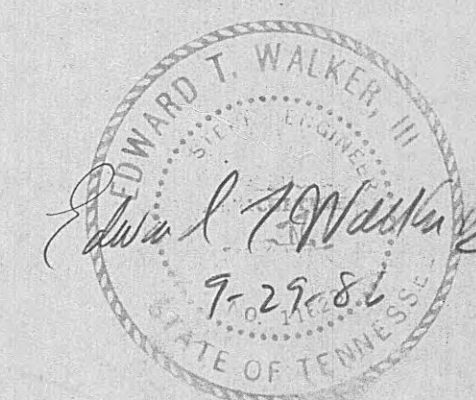
CDBG PROJECT NO. Z-31265

JOB NO. 86-09

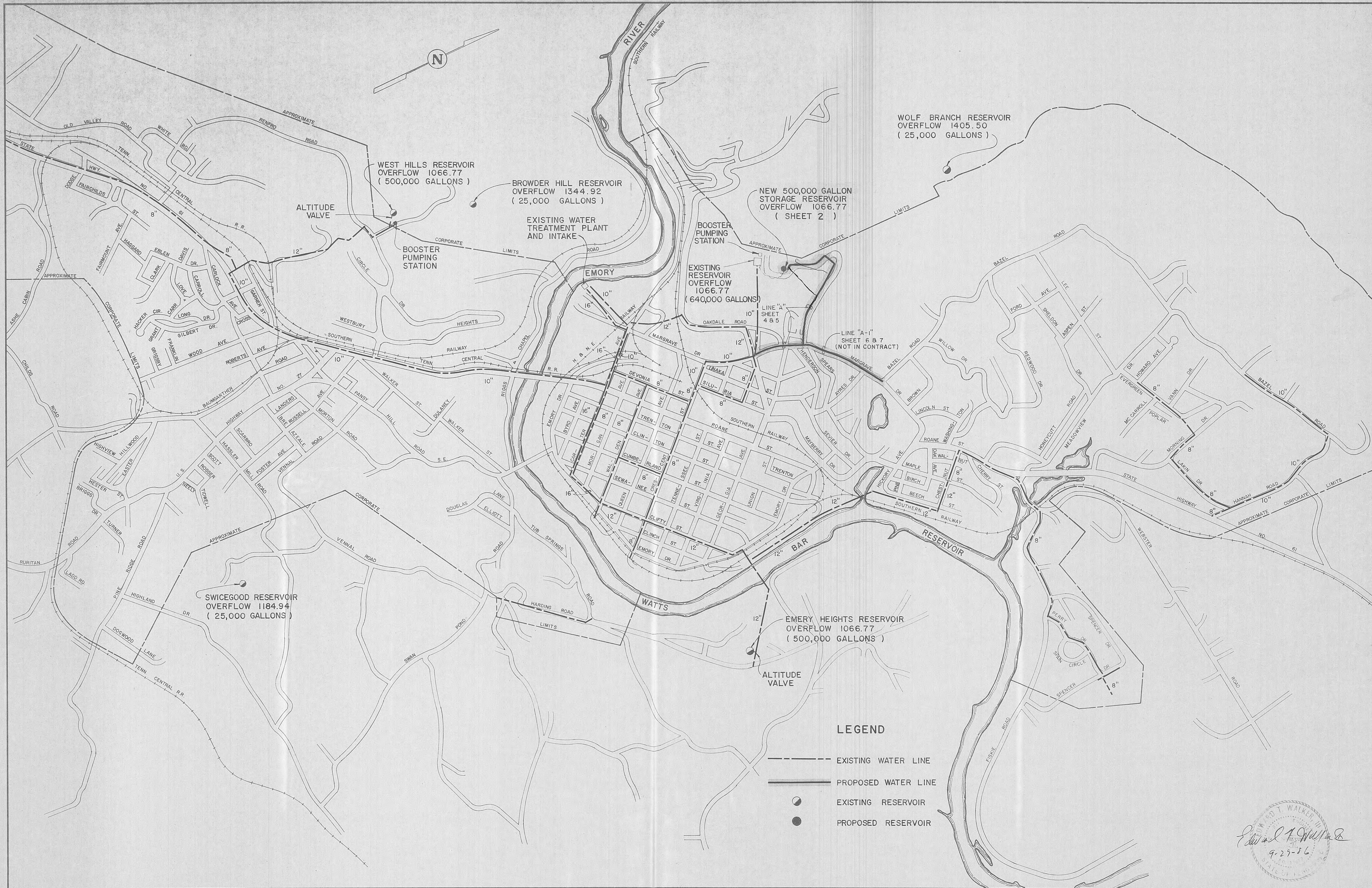
WHITE - TAYLOR - WALKER , INC.
BRENTWOOD , TENNESSEE

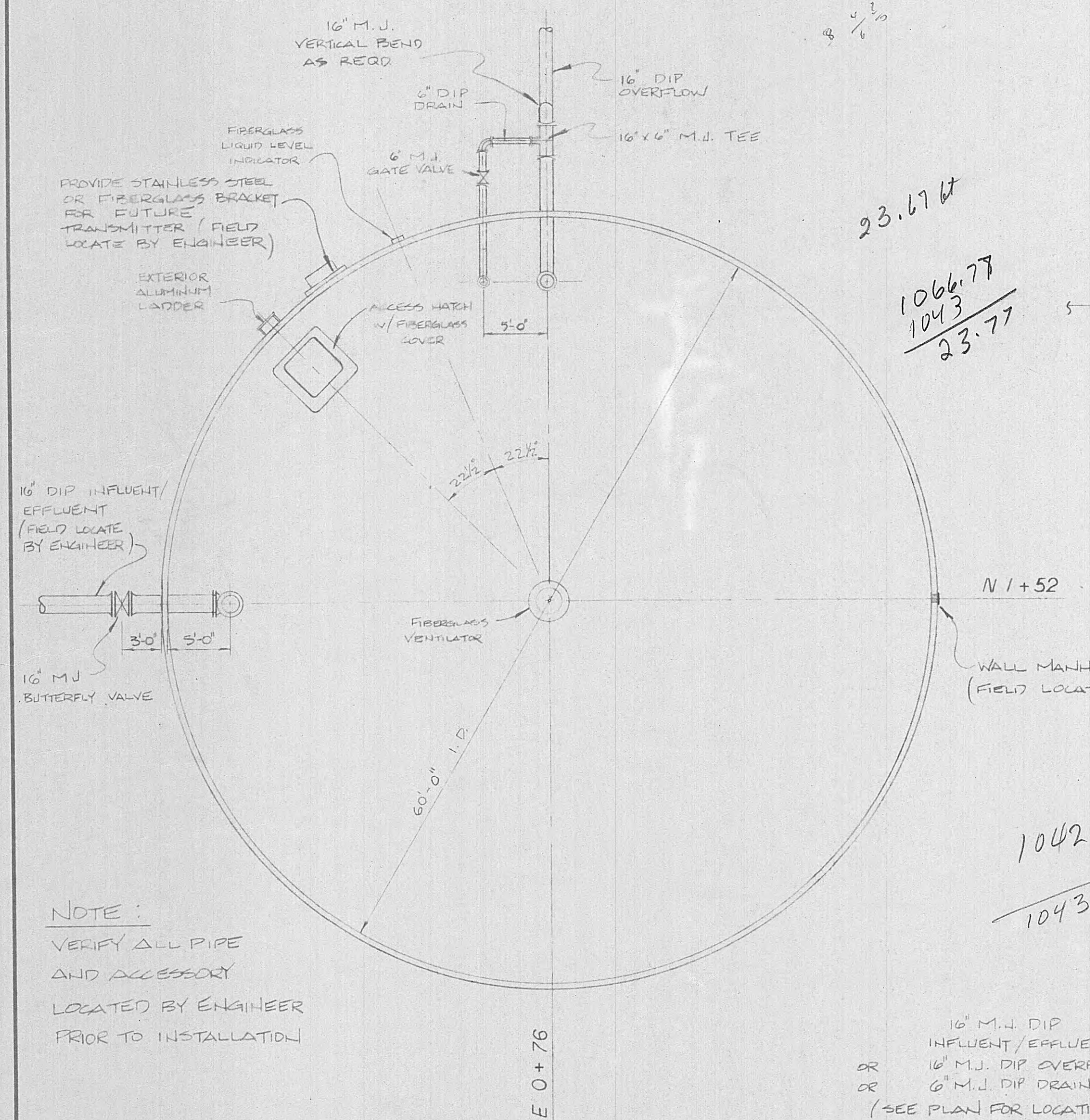
INDEX OF DRAWINGS

<u>SHEET</u>	<u>DESCRIPTION</u>
1.	KEY MAP
2.	WATER STORAGE TANK PLANS, SECTION & DETAILS
3.	ALTITUDE VALVE ASSEMBLY & OVERFLOW DETAILS
4.	WATER LINE "A" STA. 0+00 TO STA. 15+00
5.	WATER LINE "A" STA. 15+00 TO STA. 29+18
6.	WATER LINE "A-1" STA. 0+00 TO STA. 15+00
7.	WATER LINE "A-1" STA. 15+00 TO STA. 17+30
8.	STANDARD WATER LINE DETAILS



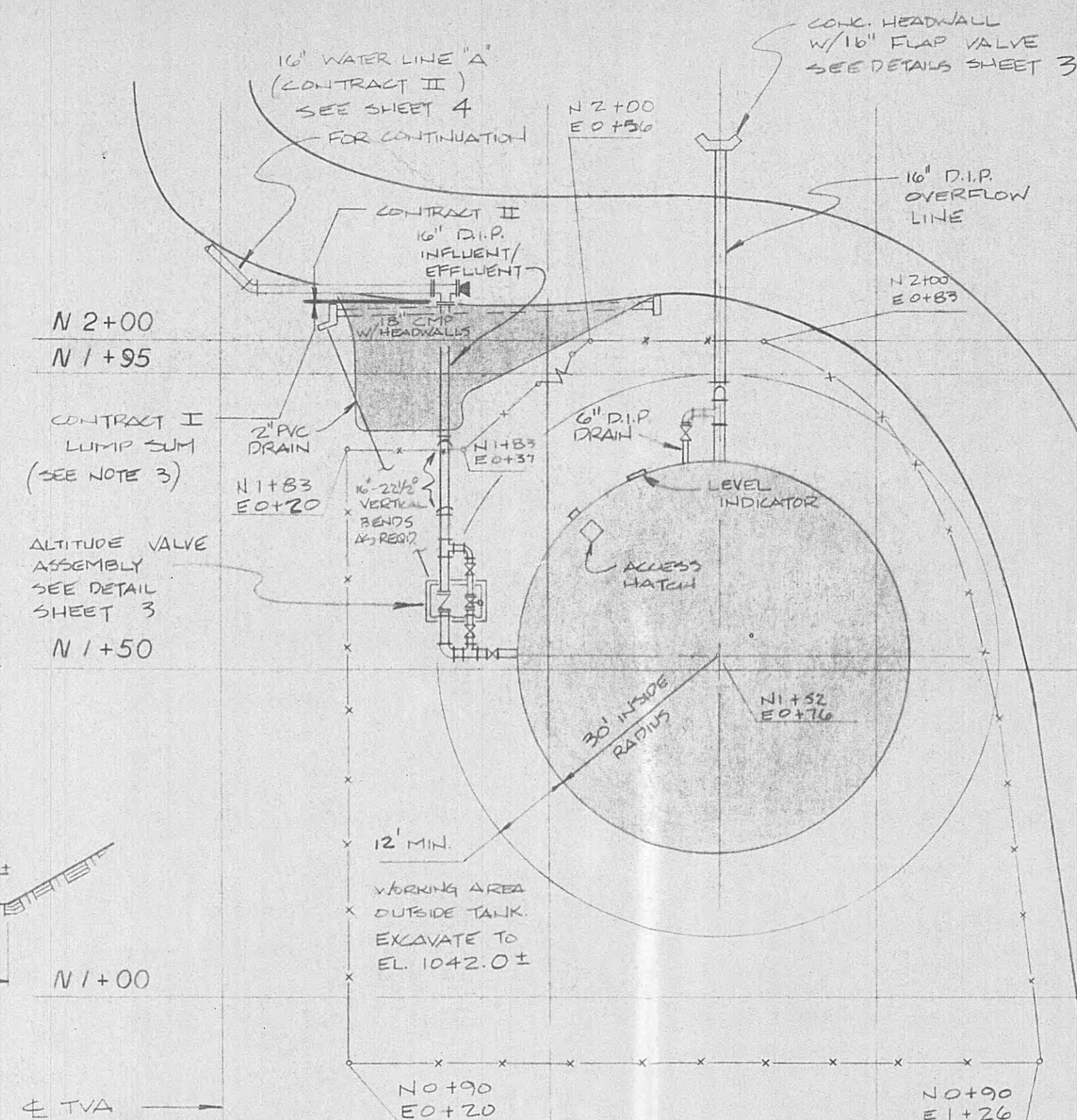
SET NO. 1





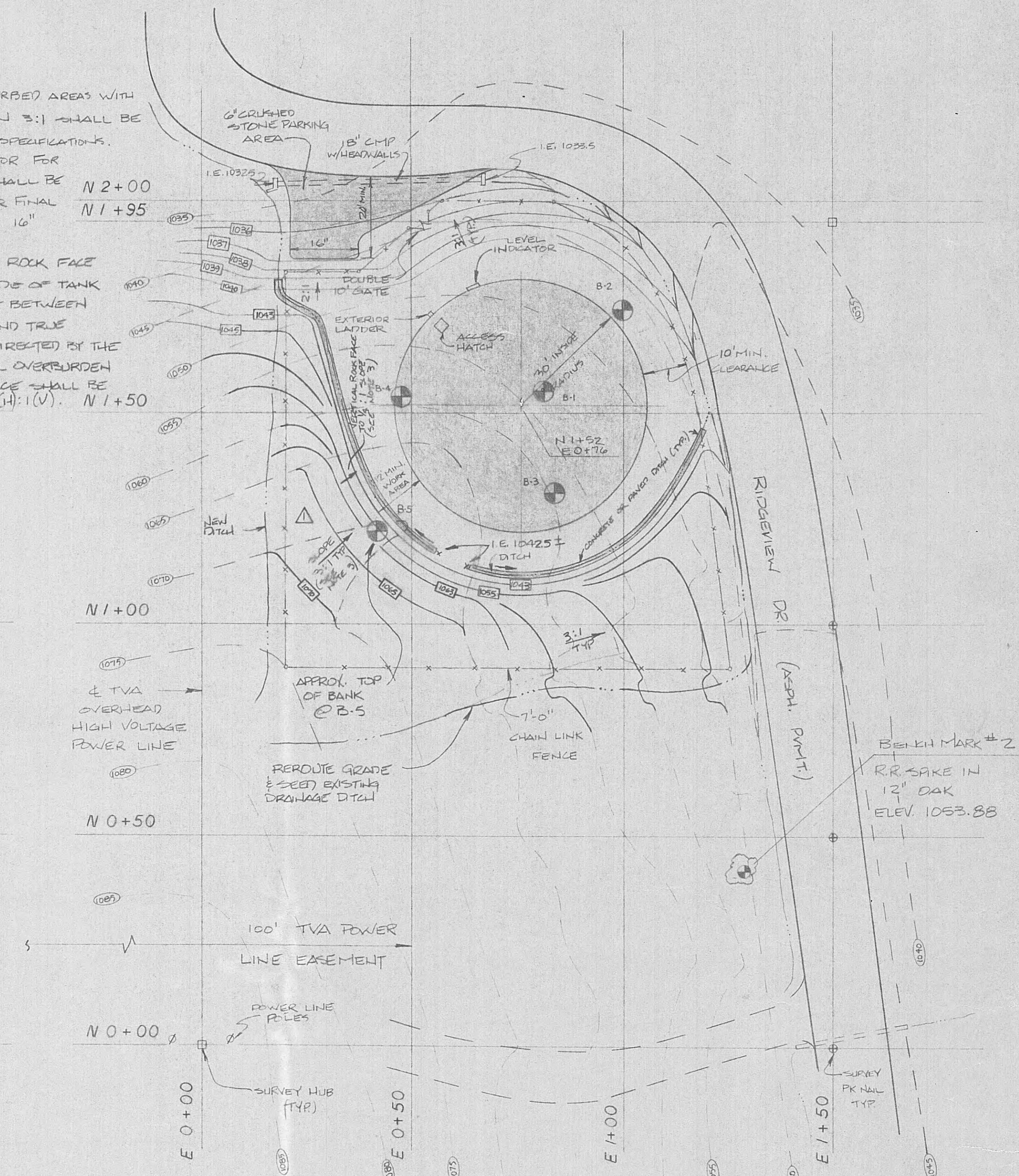
PRESTRESSED CONCRETE TANK PLAN

SCALE : $\frac{1}{8}'' = 1'-0''$



NOTE:

- 1.) ALL DISTURBED AREAS WITH GREATER THAN 3:1 SHALL BE SLOPPED PER SPECIFICATIONS.
- 2.) CONTRACTOR FOR CONTRACT I SHALL BE RESPONSIBLE FOR FINAL COMPLETION OF 16" WATER LINE.
- 3.) SLOPE OF ROCK FACE ALONG BACKSIDE OF TANK SHALL RANGE BETWEEN $\frac{1}{4}$ (H) : 1 (V) AND TRUE VERTICAL AS DIRECTED BY THE ENGINEER. SOIL OVERTURDEN ABOVE ROCK FACE SHALL BE BACKFILLED 2(H):1(V). N + 50

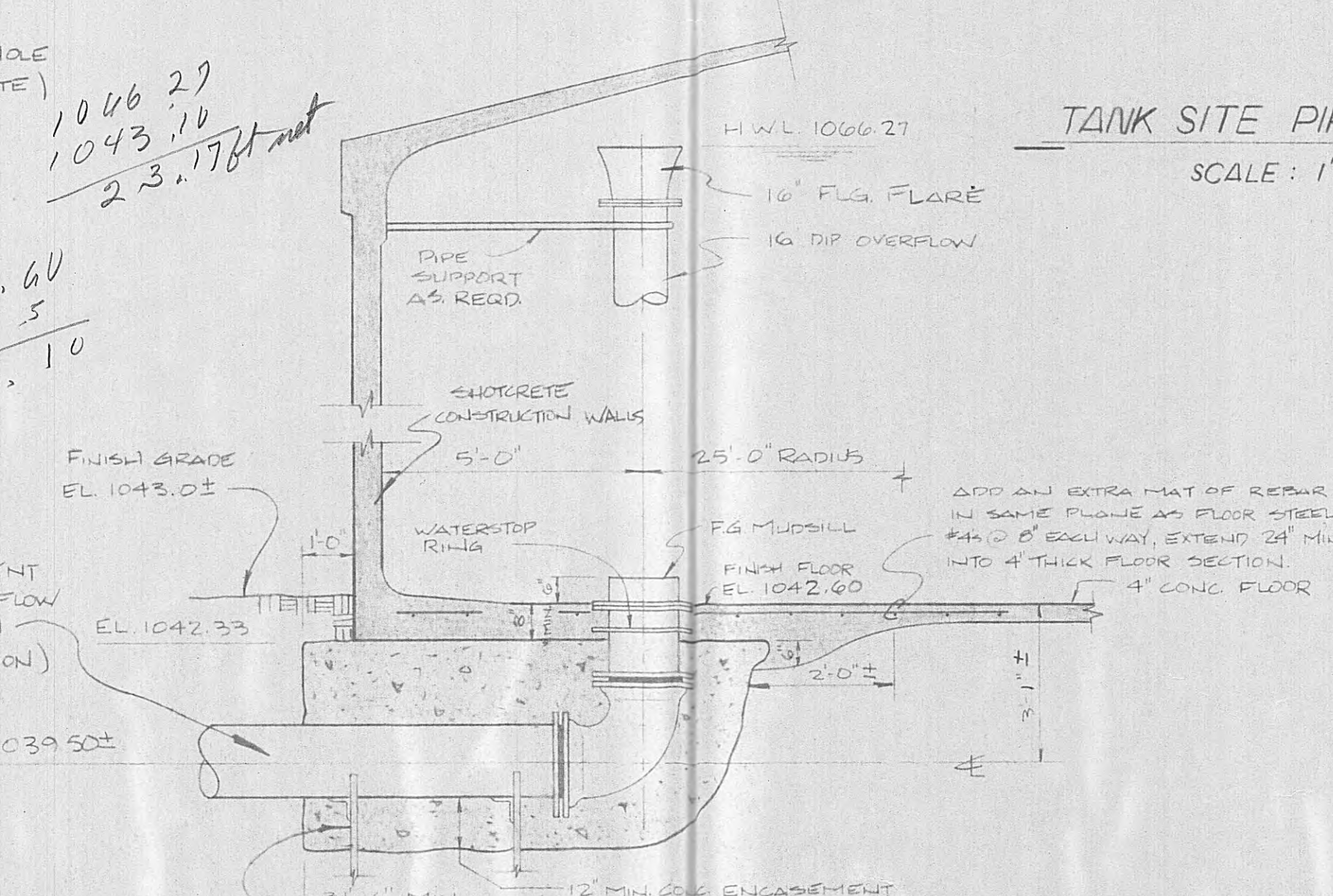


TANK SITE PIPING PLAN

SCALE : 1" = 20'

TANK SITE GRADING PLAN

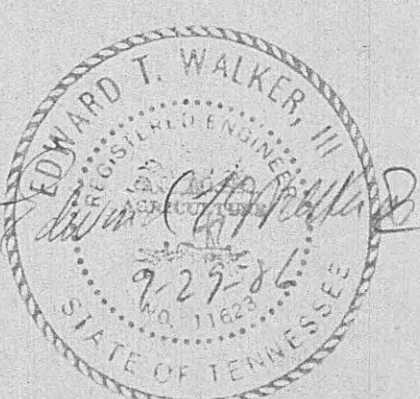
SCALE: 1" = 20'

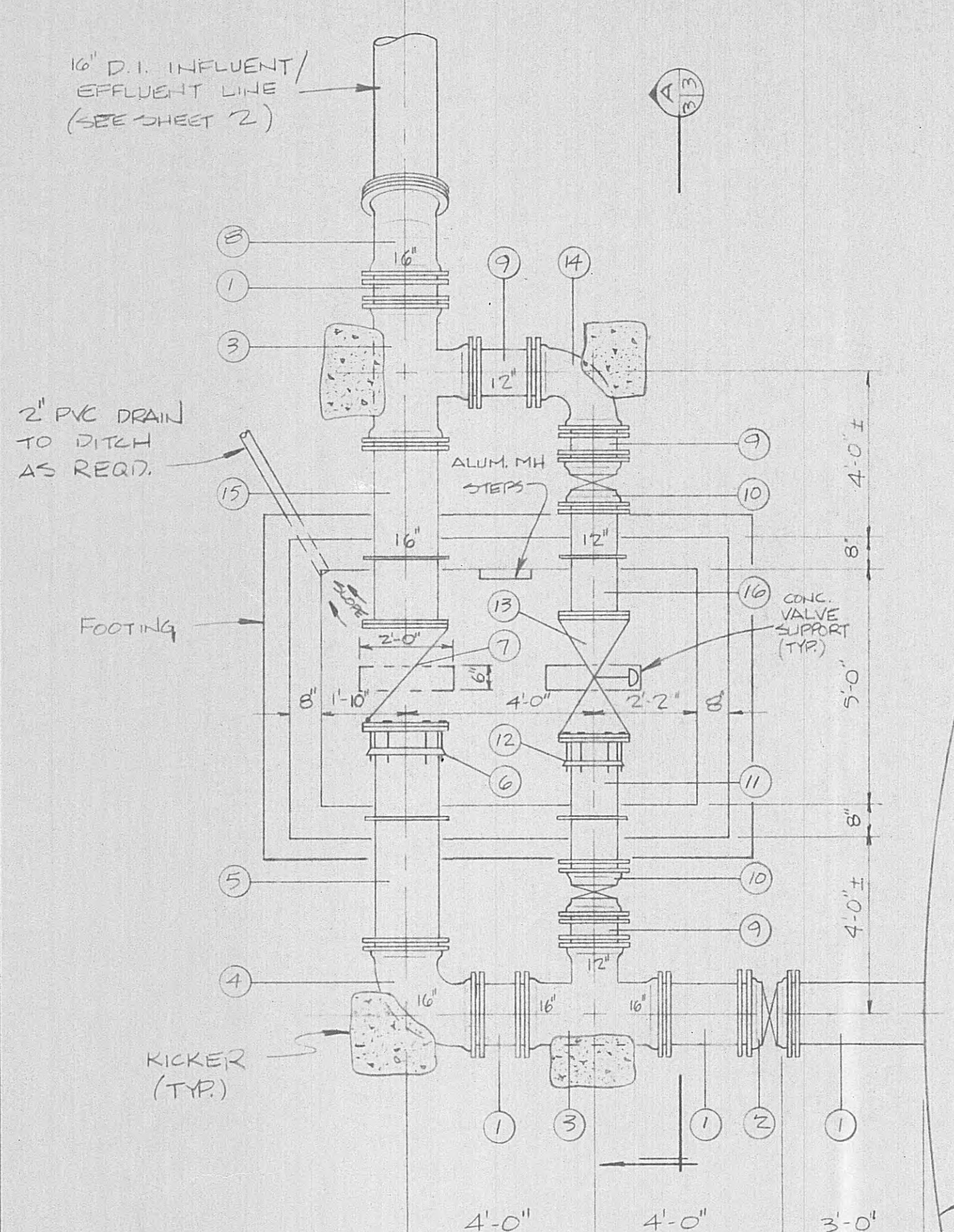


TYPICAL PIPE LINE DETAIL

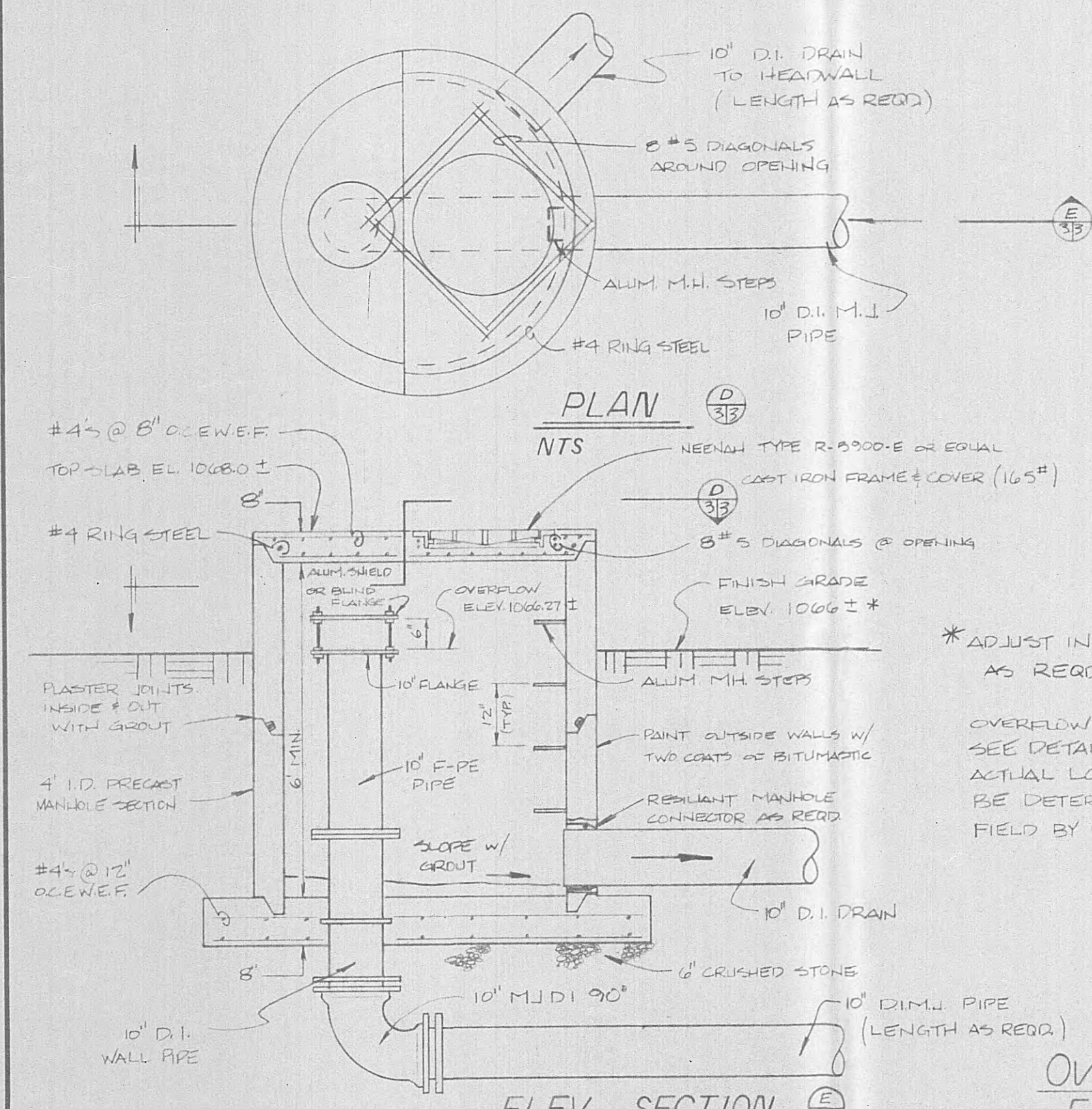
NO SCALE

REVISION	DATE	DESCRIPTION	BY	DESIGNED ETW	SCALE AS SHOWN	WATER SYSTEM IMPROVEMENTS CONTRACT I 500,000 GALLON GROUND LEVEL WATER STORAGE TANK	WATER STORAGE TANK PLANS, SECTION & DETAILS	SHEET
▲	3-3-87	REVISED GRADING PLAN	ETW	DRAWN MM	DATE SEPT. 1986			2
				CHECKED ETW	JOB NO. 86-09		OF	
							8	
						HARRIMAN, TENNESSEE		

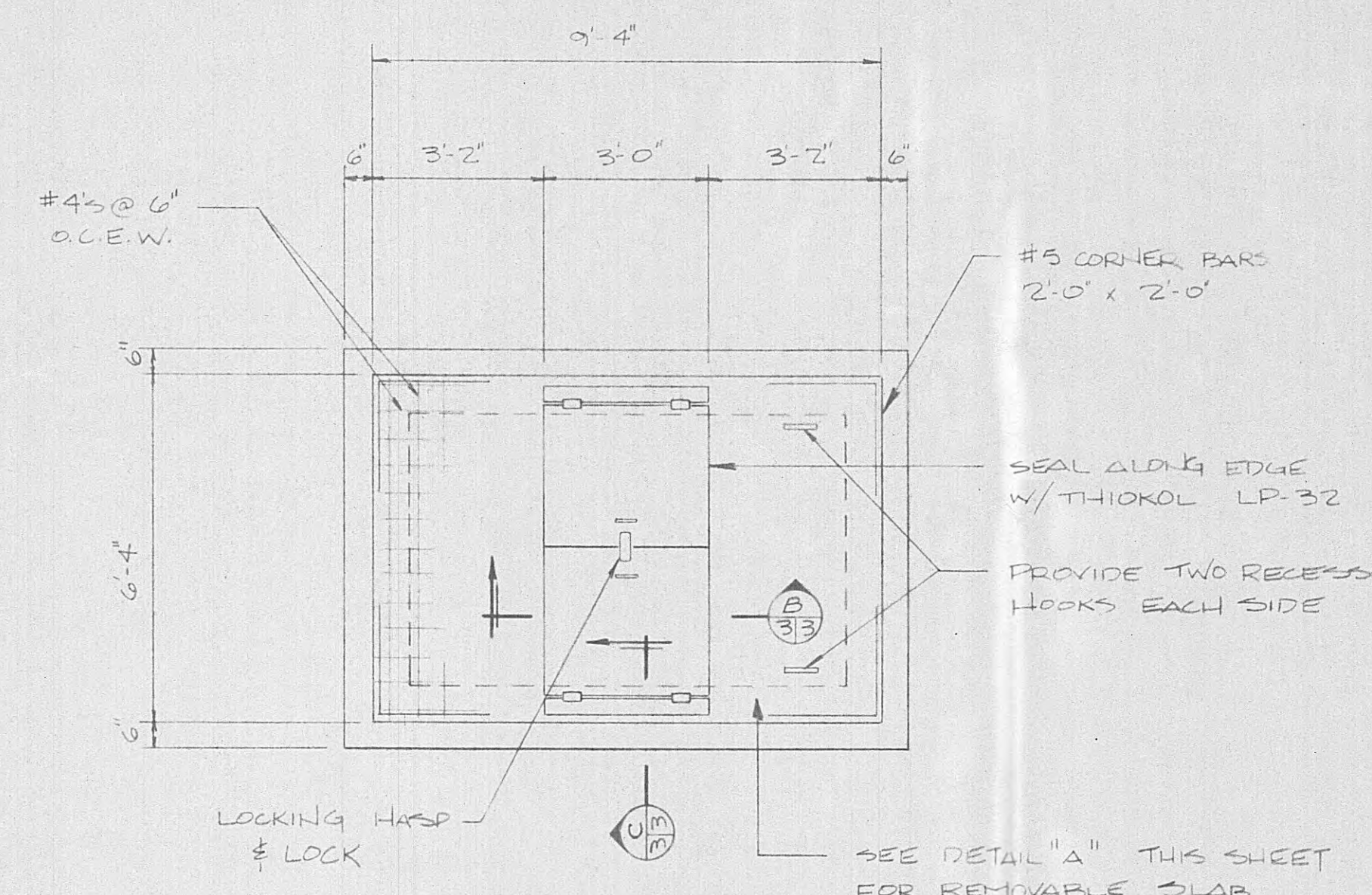




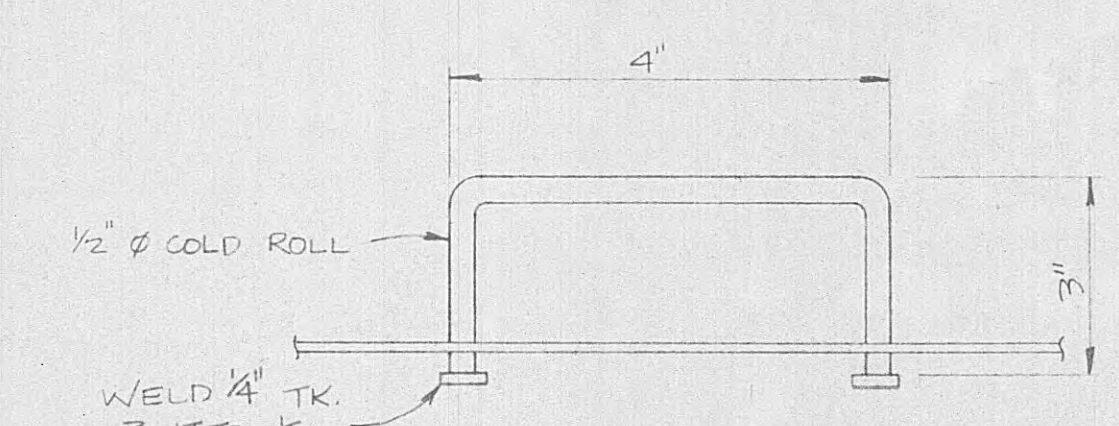
ALTITUDE VALVE INSTALLATION - PLAN
SCALE 3/8" = 1'-0"



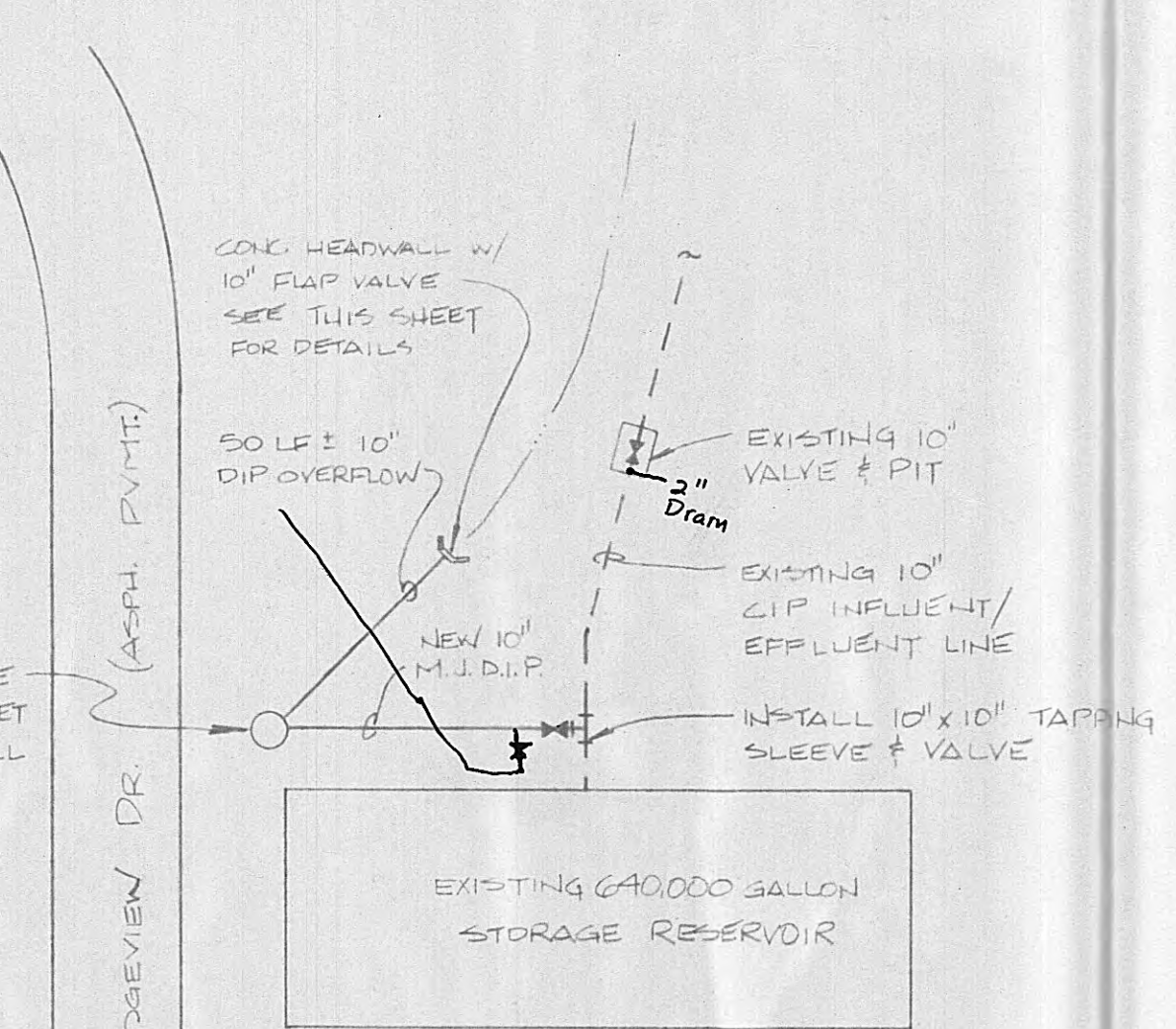
ELEV. SECTION



TOP PLAN
SCALE 3/8" = 1'-0"



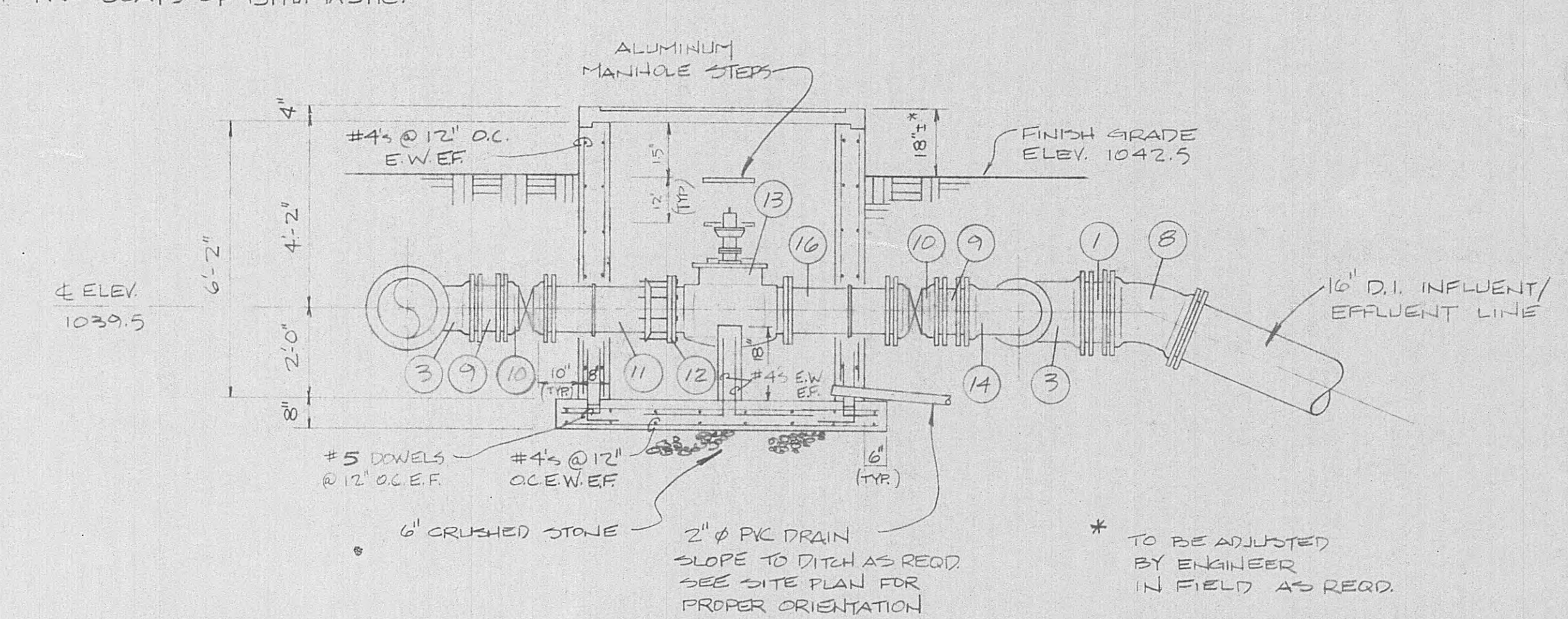
DROP HANDLE DETAIL
NO SCALE



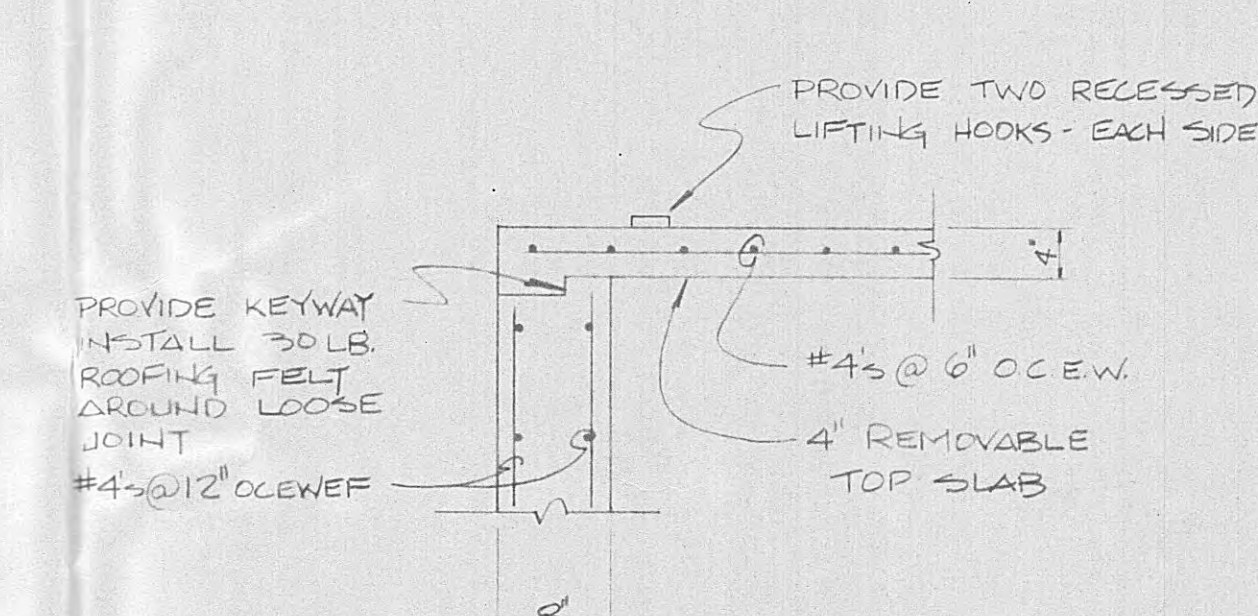
SITE PLAN

OVERFLOW INSTALLATION AT EXISTING 0.64 MG RESERVOIR

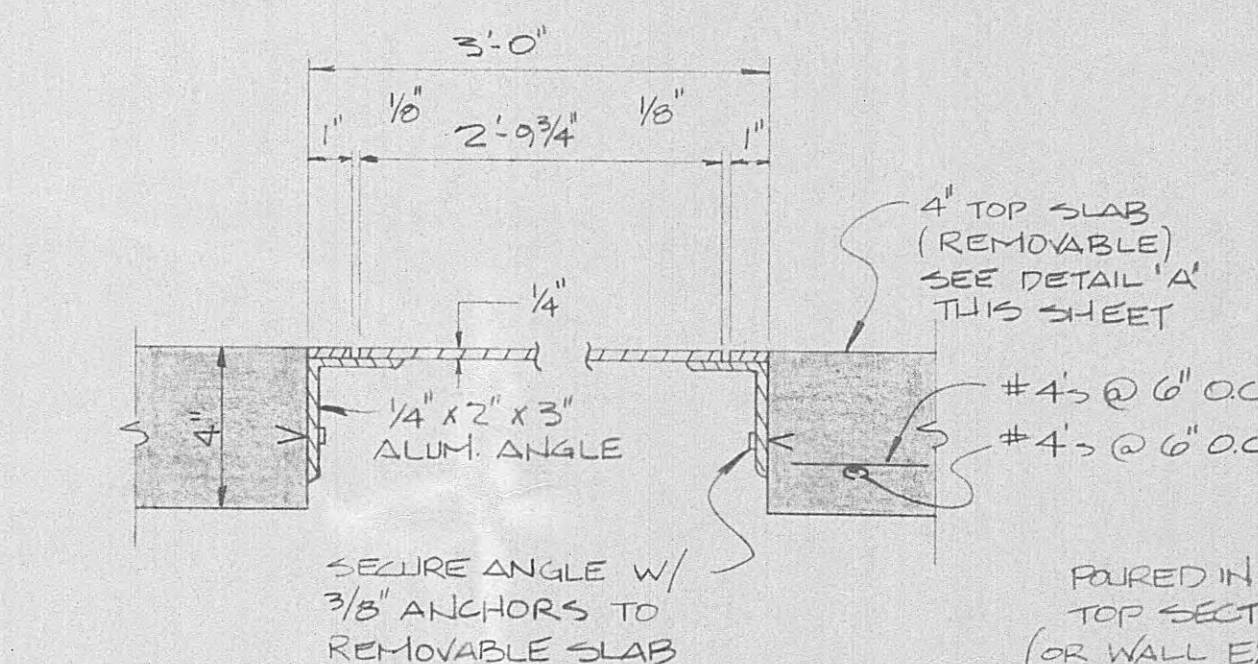
- NOTES:
- SEE SHEET 2 FOR ORIENTATION OF ALTITUDE VALVE ASSEMBLY.
 - PAINT EXTERIOR WALLS OF VALVE PIT WITH TWO COATS OF BITUMASTIC.



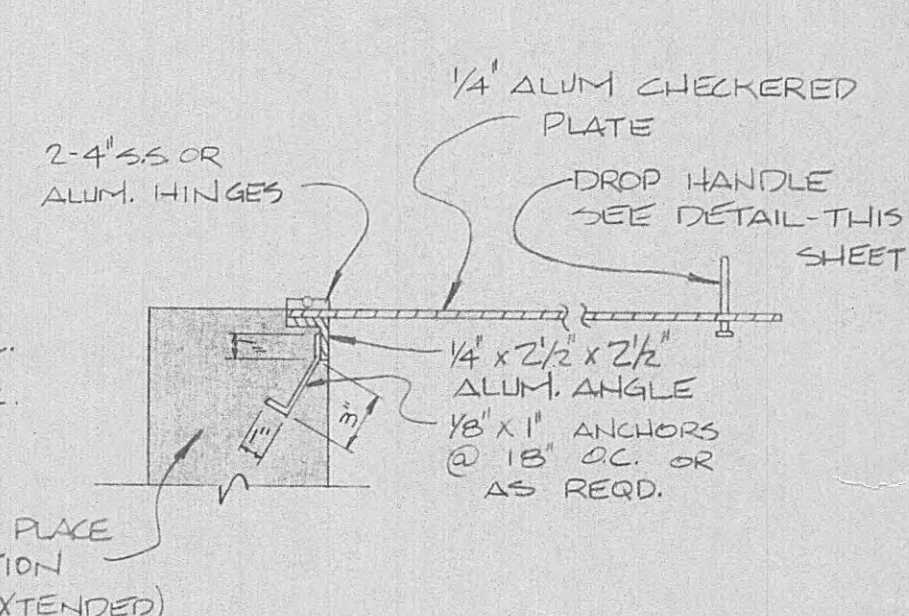
SECTION
SCALE 3/8" = 1'-0"



DETAIL "A"
NO SCALE



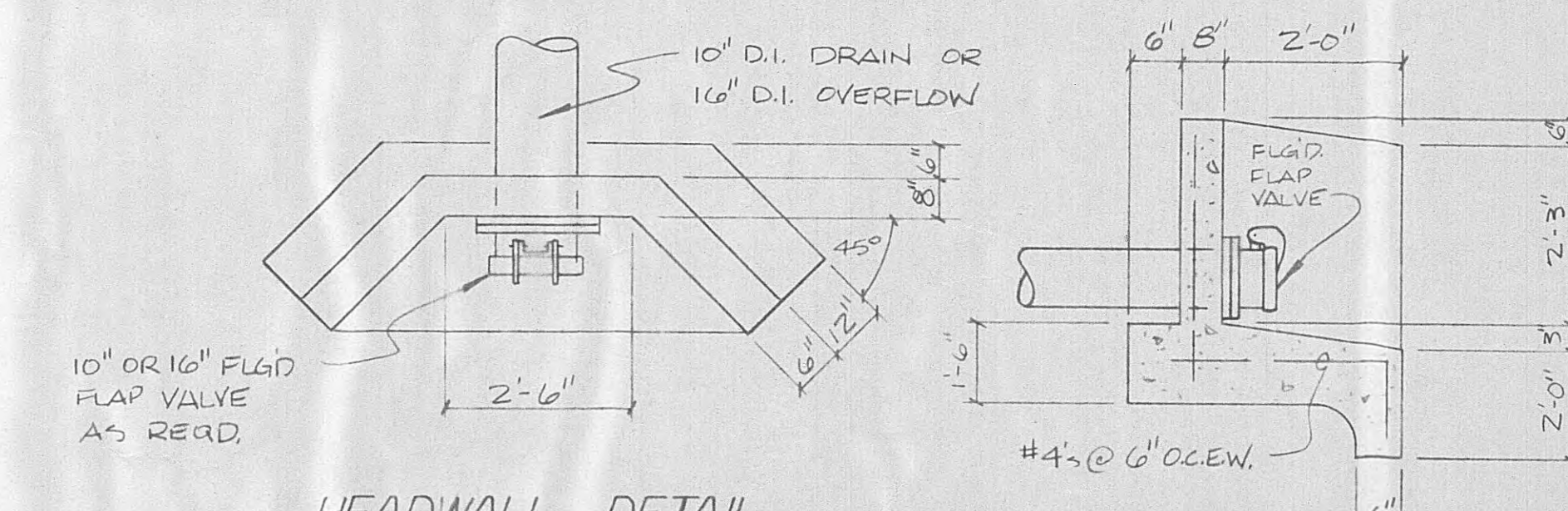
SECTION
NO SCALE



SECTION
NO SCALE

MATERIAL SCHEDULE (ALTITUDE VALVE)

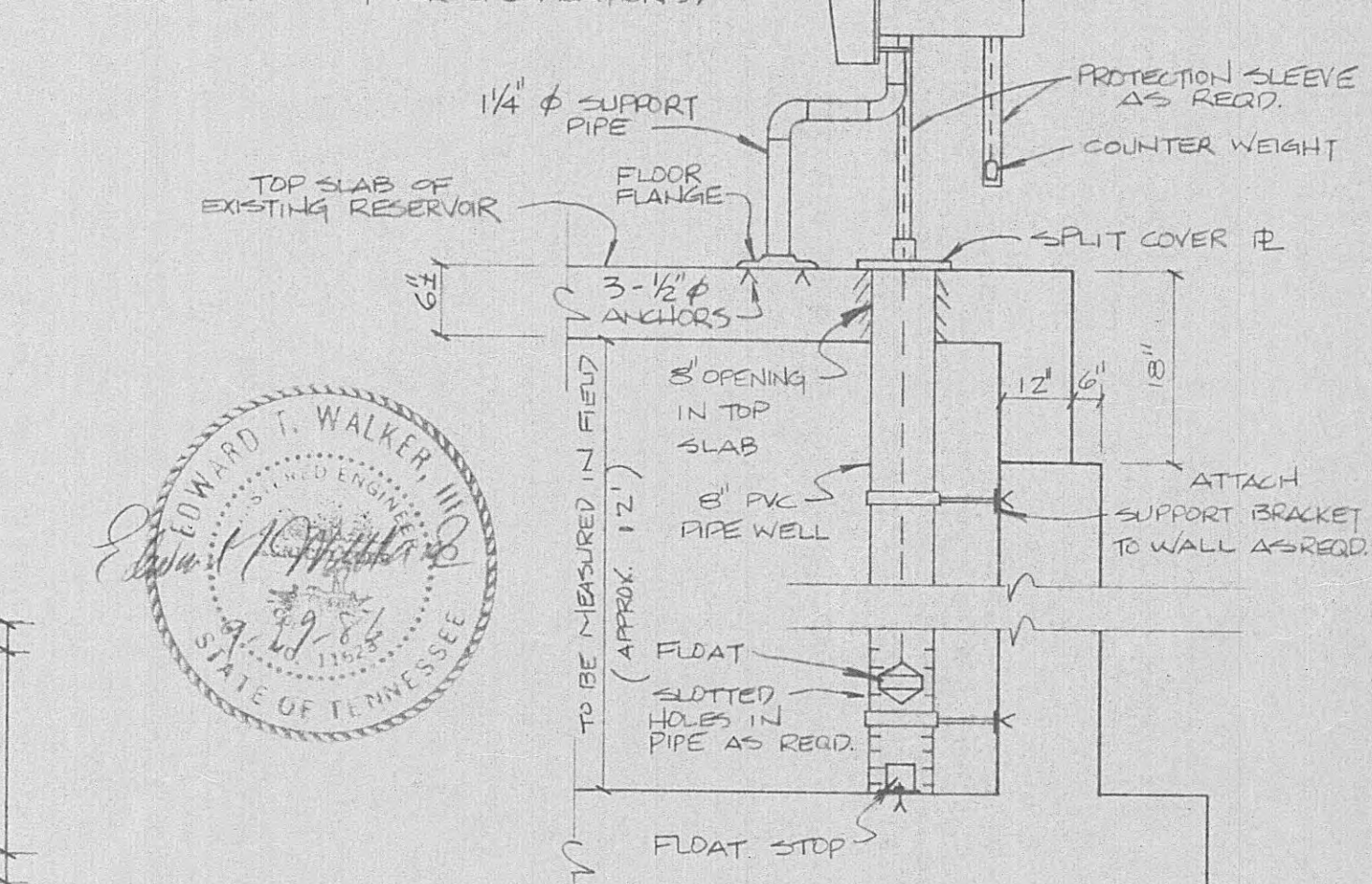
- | | | |
|----|----|---|
| 1 | 2 | 16" Ø D.I.P., PE-PE, LENGTH TO SUIT |
| 3 | 4 | 16" M.I. BUTTERFLY VALVE |
| 5 | 6 | 16" x 12" M.I. D.I. TEE |
| 7 | 8 | 16" M.I. D.I. 90° BEND |
| 9 | 10 | 16" D.I. WALL PIPE, PE-PE, LENGTH TO SUIT |
| 11 | 12 | 16" ROCKWELL TYPE 913 FLANGED COUPLING ADAPTOR |
| 13 | 14 | 16" FLANGED CHECK VALVE W/ OUTSIDE SPRING & LEVER |
| 15 | 16 | 16" M.I. D.I. 2 1/2" BEND |
| | | 12" Ø D.I.P., PE-PE, LENGTH TO SUIT |
| | | 12" M.I. GATE OR BUTTERFLY VALVE |
| | | 12" D.I. WALL PIPE, PE-PE, LENGTH TO SUIT |
| | | 12" ROCKWELL TYPE 913 FLANGED COUPLING ADAPTOR |
| | | 12" FLANGED ALTITUDE VALVE (SEE SPECIFICATIONS) |
| | | 12" M.I. D.I. 90° BEND |
| | | 16" D.I. WALL PIPE, FLGD-PE, LENGTH TO SUIT |
| | | 12" D.I. WALL PIPE, FLGD-PE, LENGTH TO SUIT |



HEADWALL DETAIL

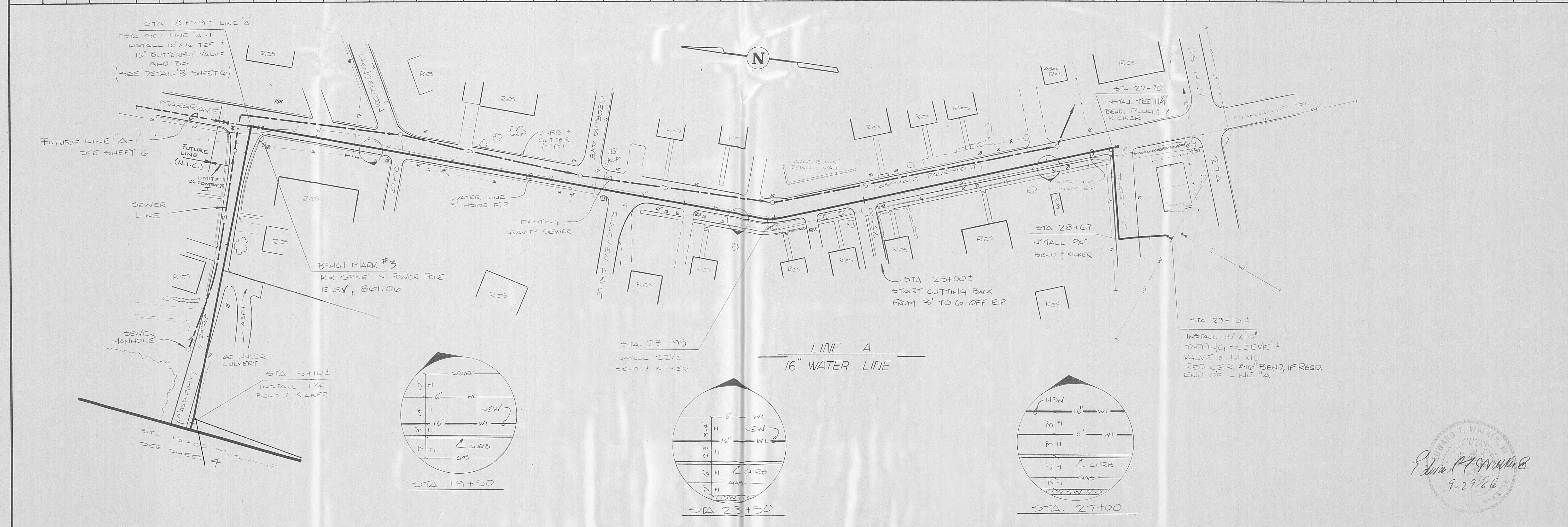
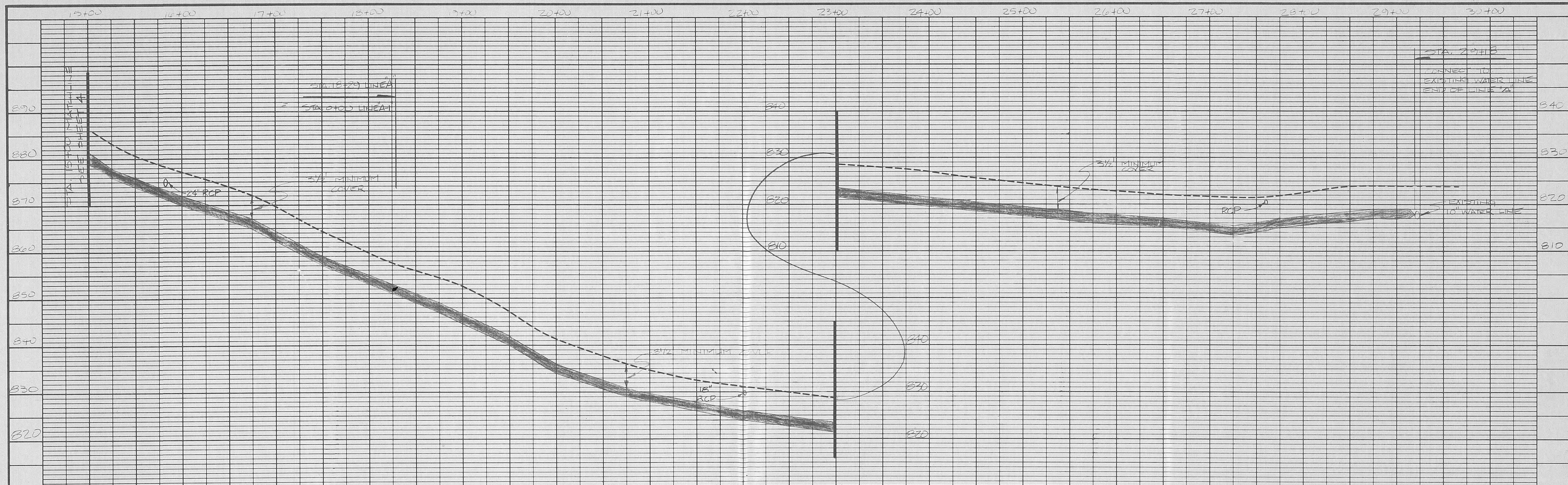
NTS

- NOTES:
- REMOVE EXISTING TELEMETERING AND INSTALL NEW EQUIPMENT AS REQ'D.
 - CONNECT EXISTING 120V POWER AND TELEPHONE LINES TO NEW TRANSMITTER AND RECORDER AS REQ'D.
 - INSTALL NEW LEVEL RECORDER AT EXISTING WATER TREATMENT PER SPECIFICATIONS.

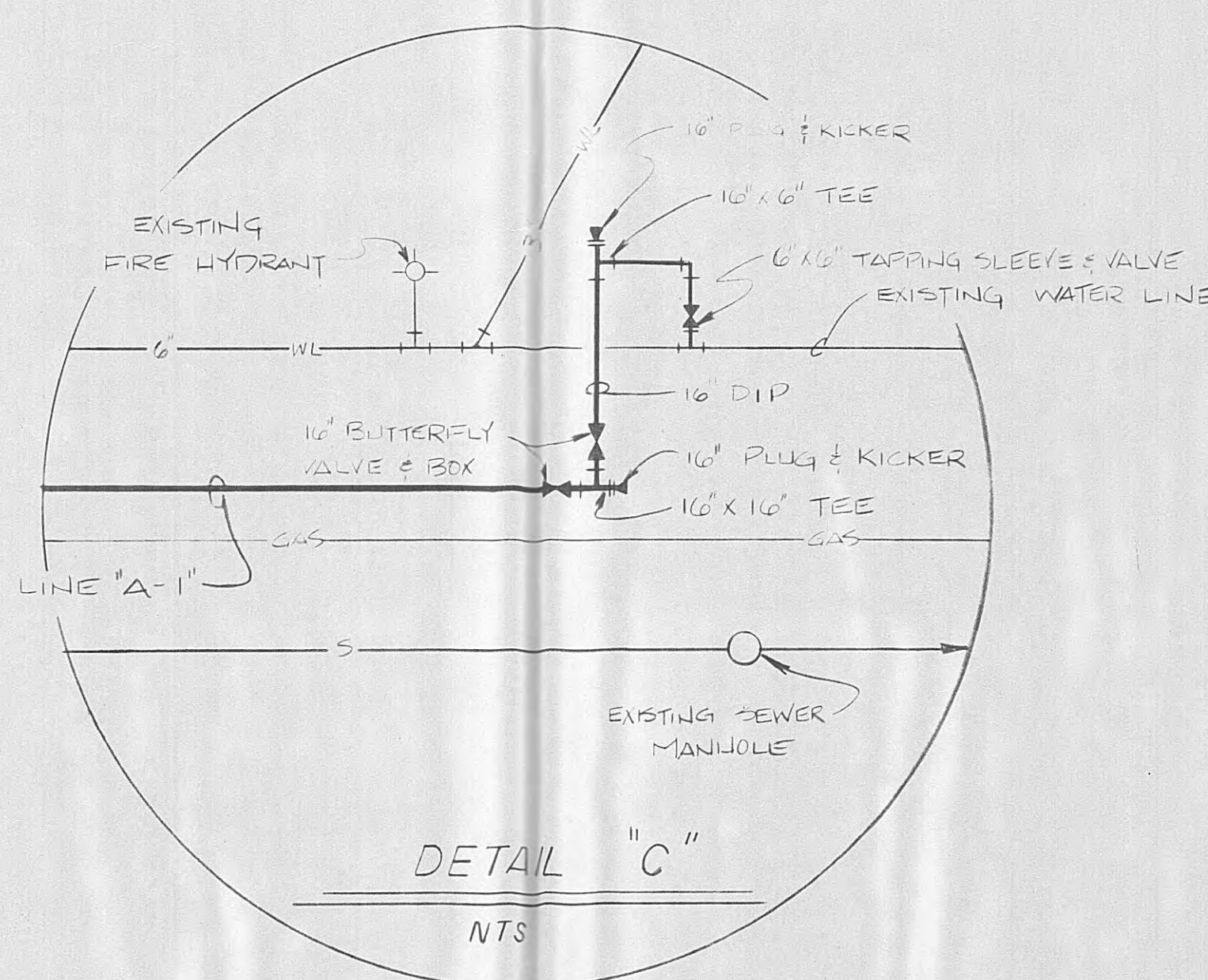
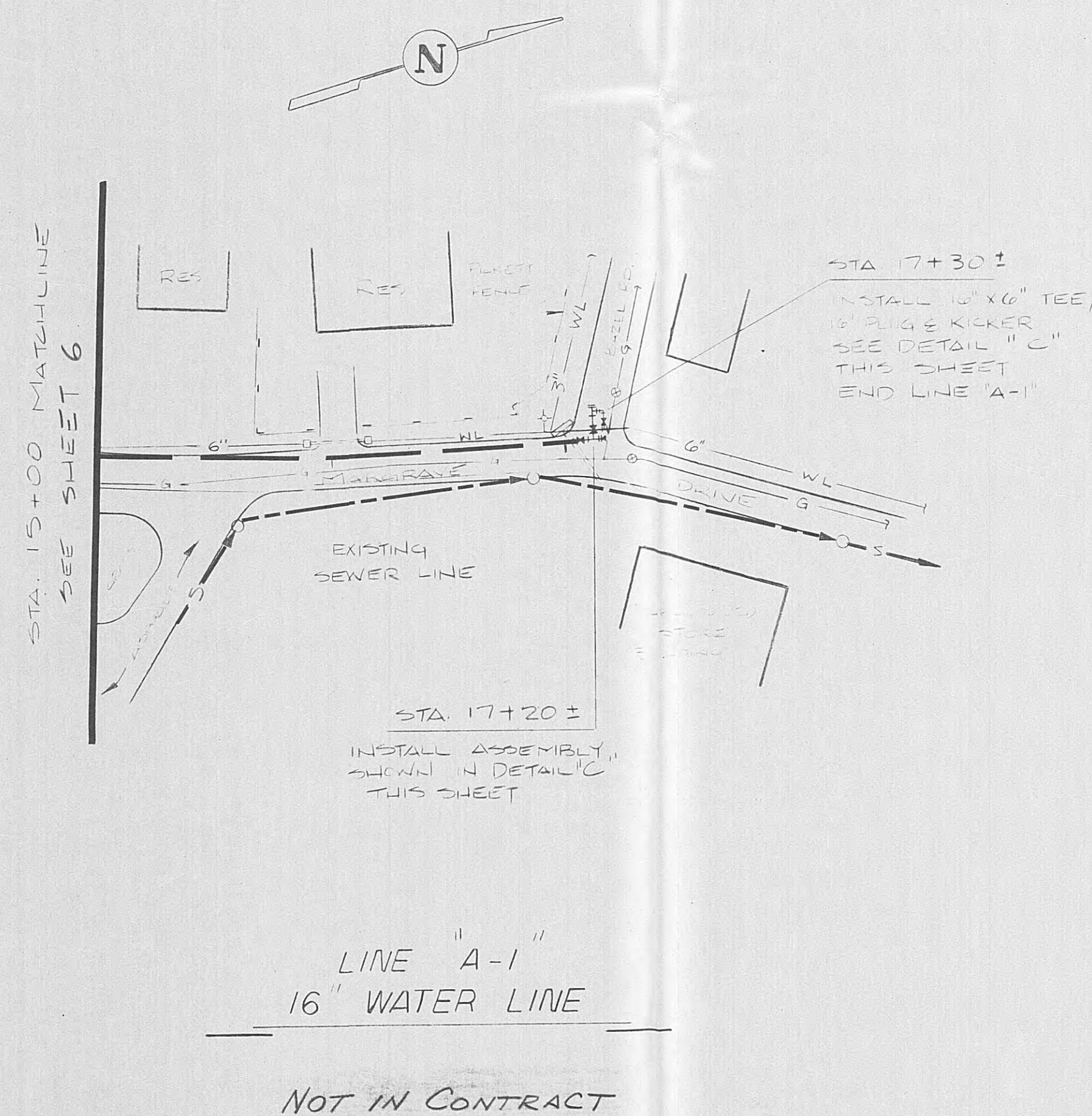
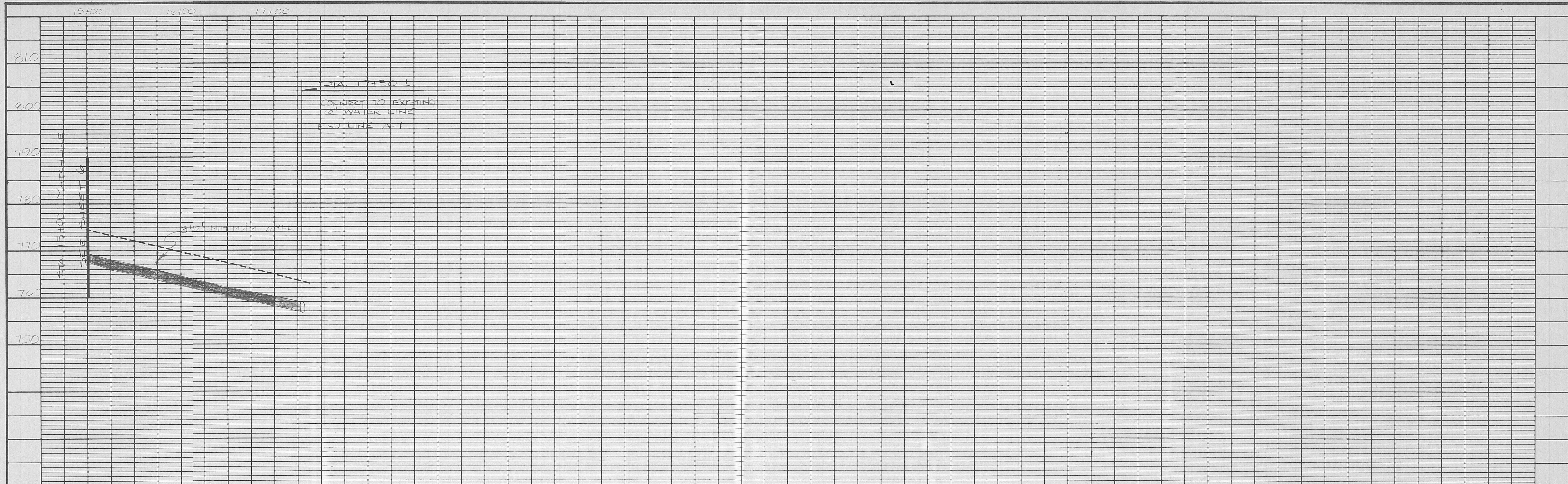


LEVEL TRANSMITTER INSTALLATION AT EXISTING 0.64 MG RESERVOIR

NTS



WHITE - TAYLOR - WALKER, INC. BRENTWOOD, TENNESSEE				REVISION A-13-87	DATE 1-13-87	DESCRIPTION DELETED LINE "A-1" FROM CONTRACT II	BY ETW	DESIGNED ETW	SCALE 1" = 50' HOR. 1" = 10' VERT.	DATE SEPT. 1986	JOB NO. 86-09	WATER SYSTEM IMPROVEMENTS CONTRACT II WATER TRANSMISSION LINES	LINE "A" STA. 15+00 TO STA. 29+18 HARRIMAN, TENNESSEE	SHEET 5 OF 8
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John S. Walker
9.29.86

BRUNING 44-132-69351

WHITE - TAYLOR - WALKER, INC.
BRENTWOOD, TENNESSEE

REVISION	DATE	DESCRIPTION	BY	DESIGNED	SCALE
1	4-13-87	COMPLETED LINE "A-1" FROM CONTRACT II	ETW	ETW	1" = 50' HOR. 1" = 10' VERT.
				DRAWN	DATE
				M.M.	SEPT. 1986
				CHECKED	JOB NO.
				ETW	86-09

WATER SYSTEM IMPROVEMENTS
CONTRACT II
WATER TRANSMISSION LINES

WATER LINE "A-1"
STA. 15+00 TO STA. 17+30
HARRIMAN, TENNESSEE

SHEET
7
OF
8

ANCHOR DETAIL FOR VERTICAL BENDS
5° AND GREATER

