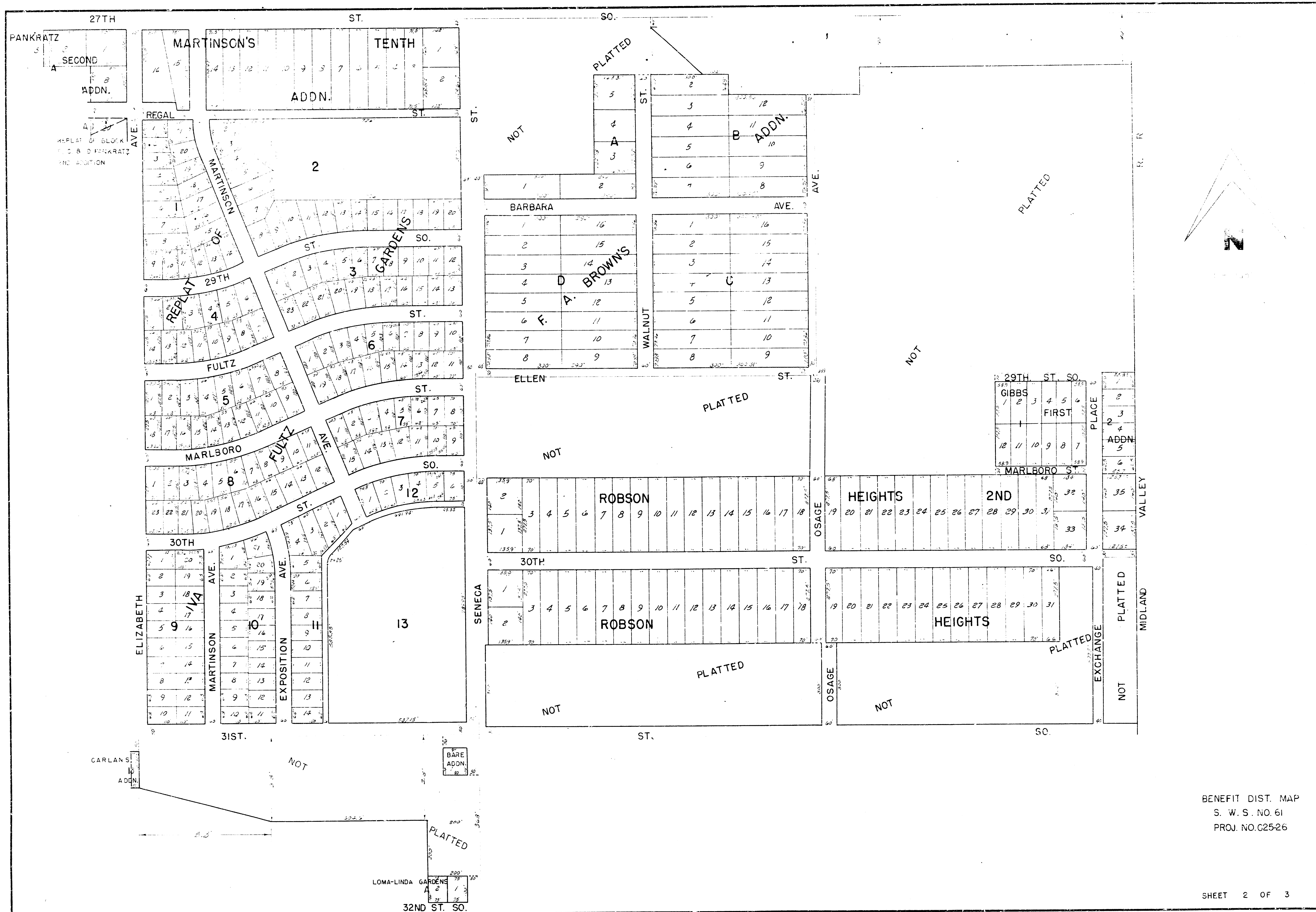
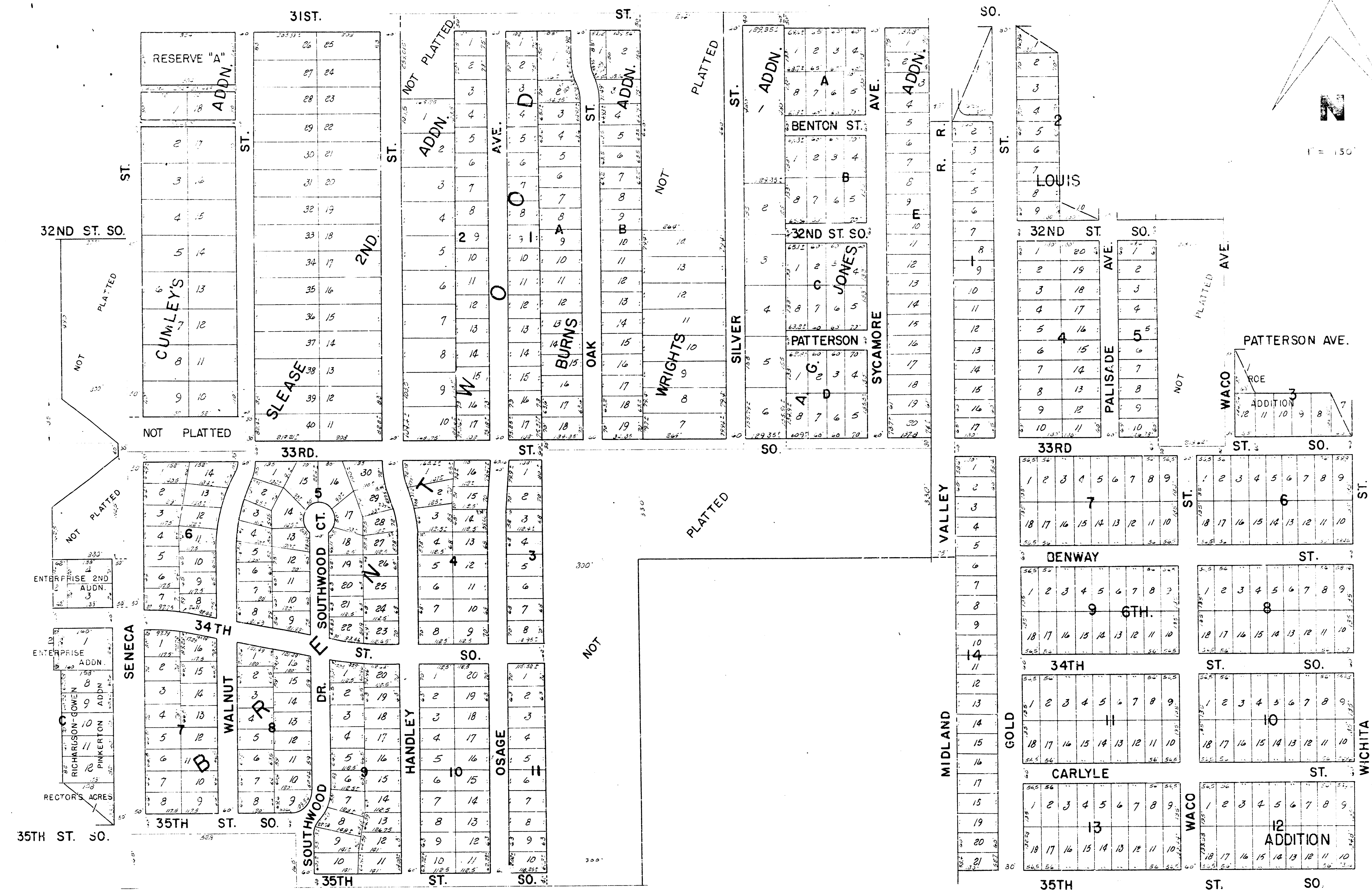


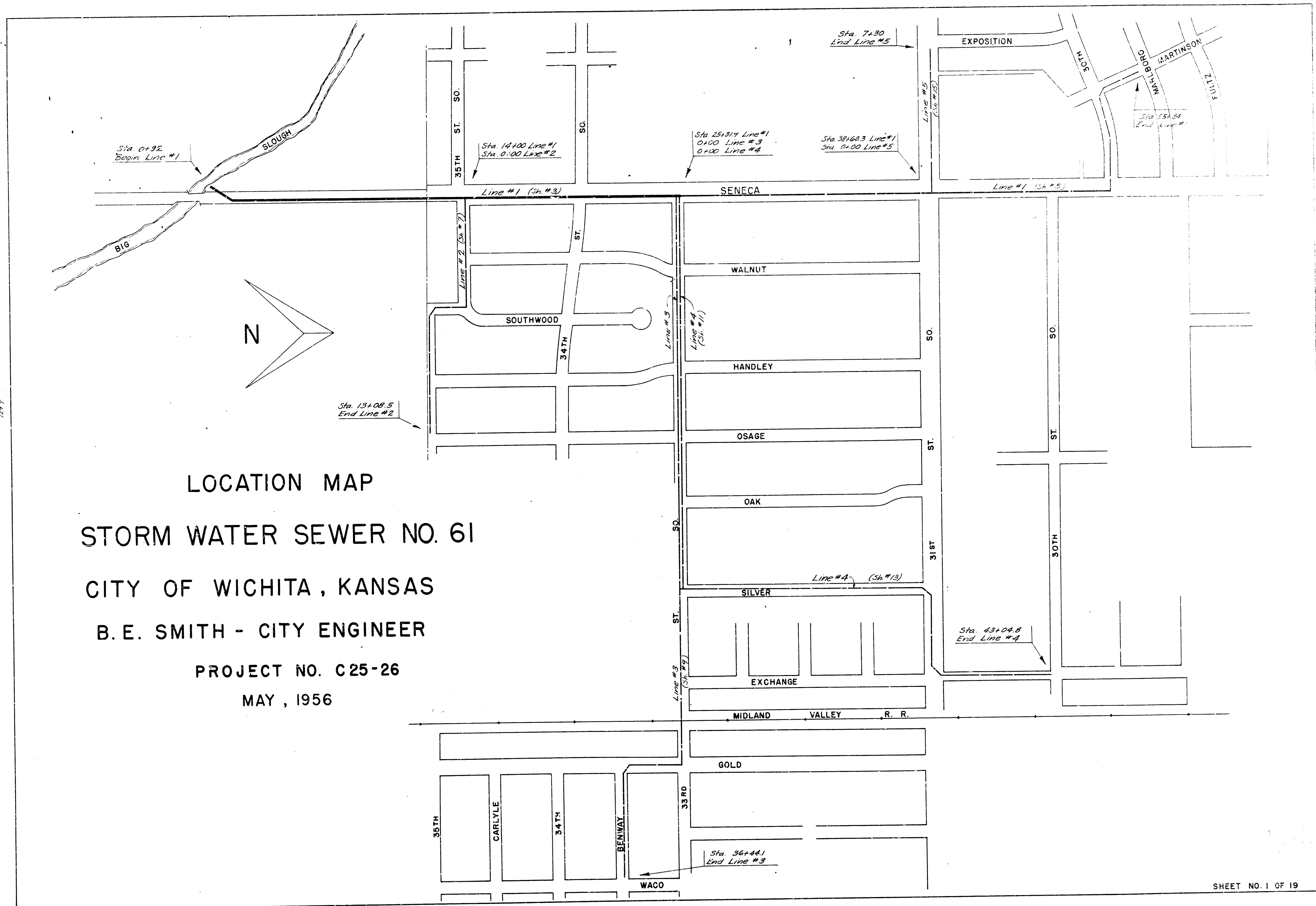


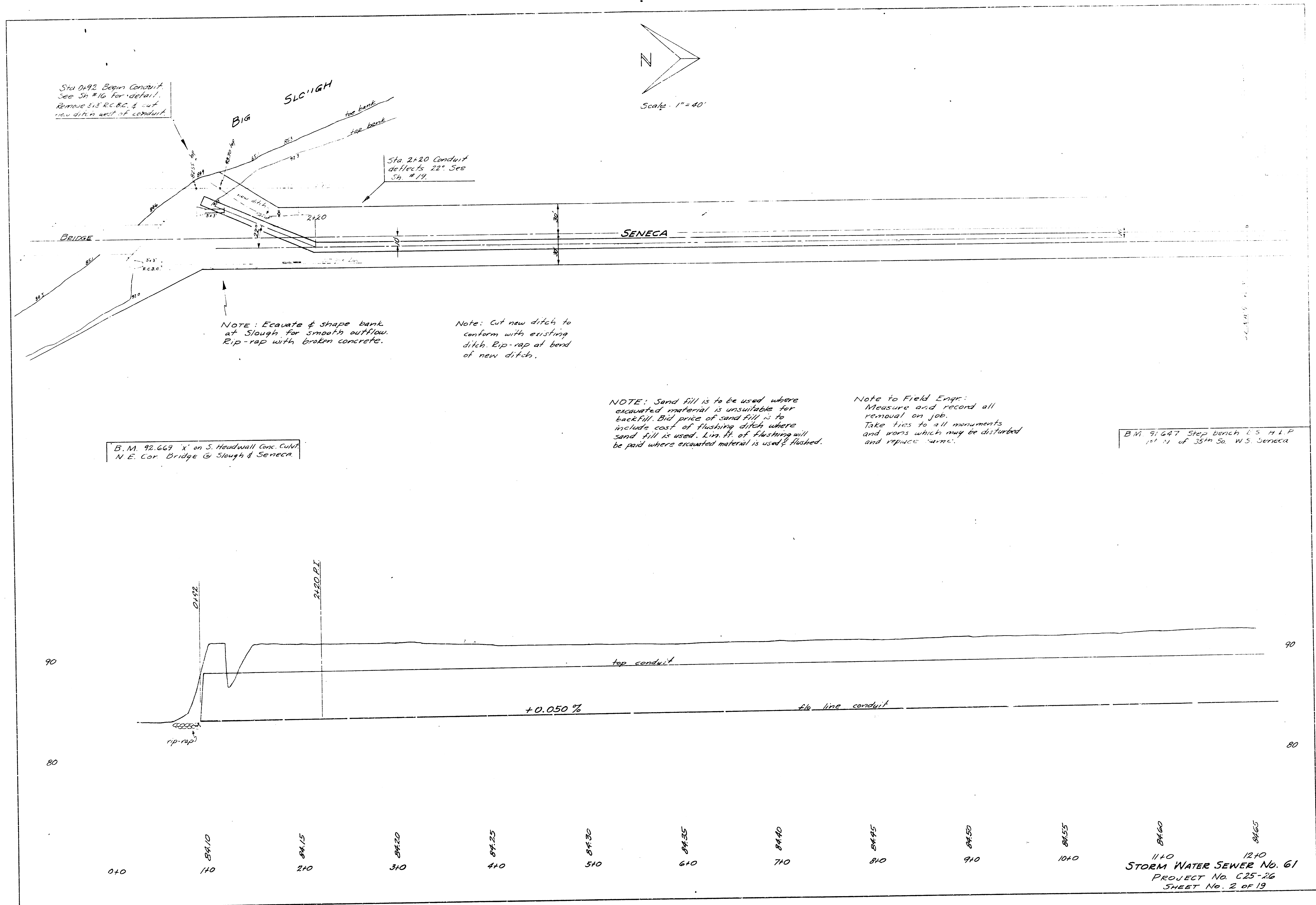
BENEFIT DIST. MAP
S. W. S. NO. 61
PROJ. NO. C25-26

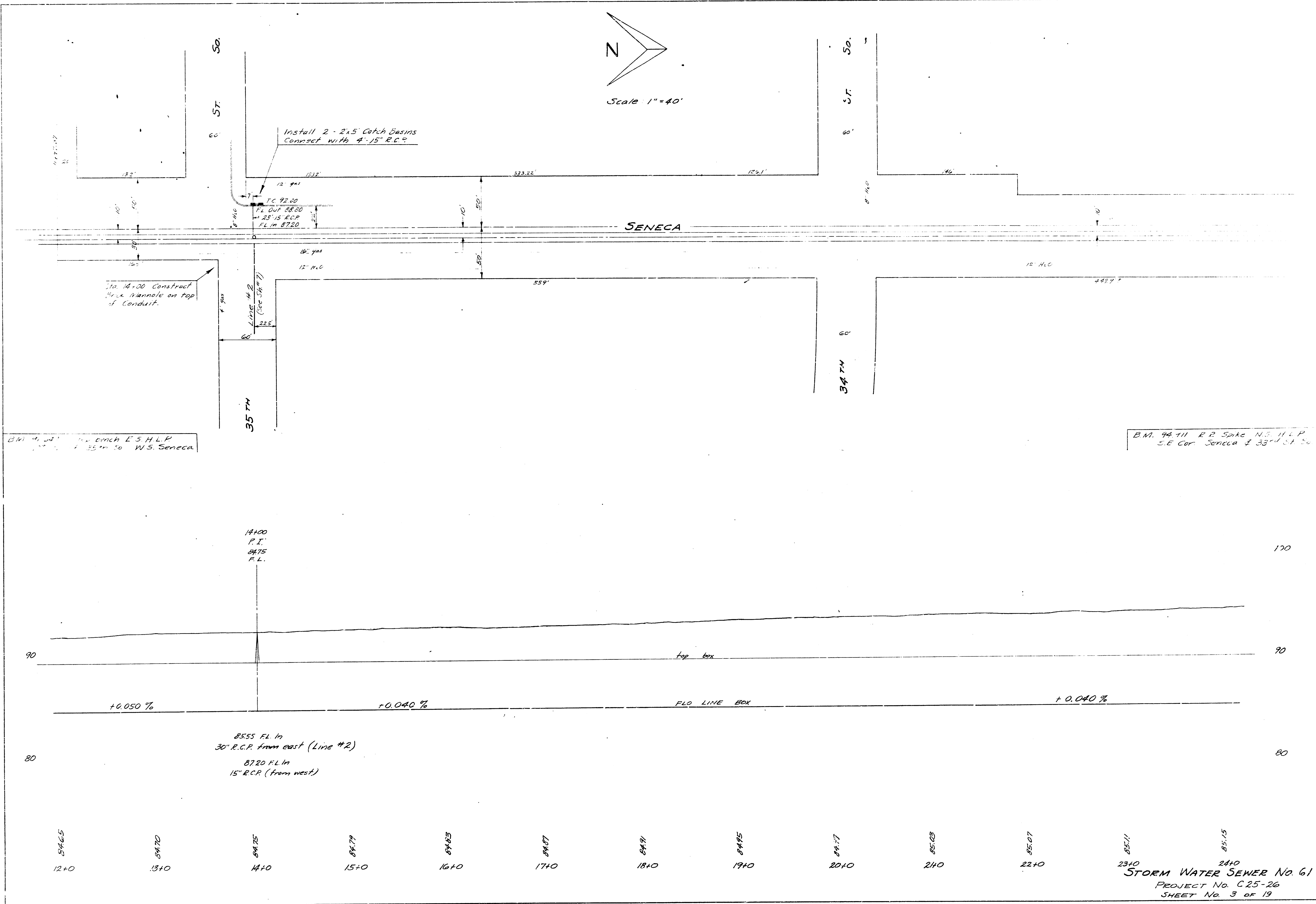


BENEFIT DIST MAP
S. W. S. NO. 61
PROJ. NO. 025-26

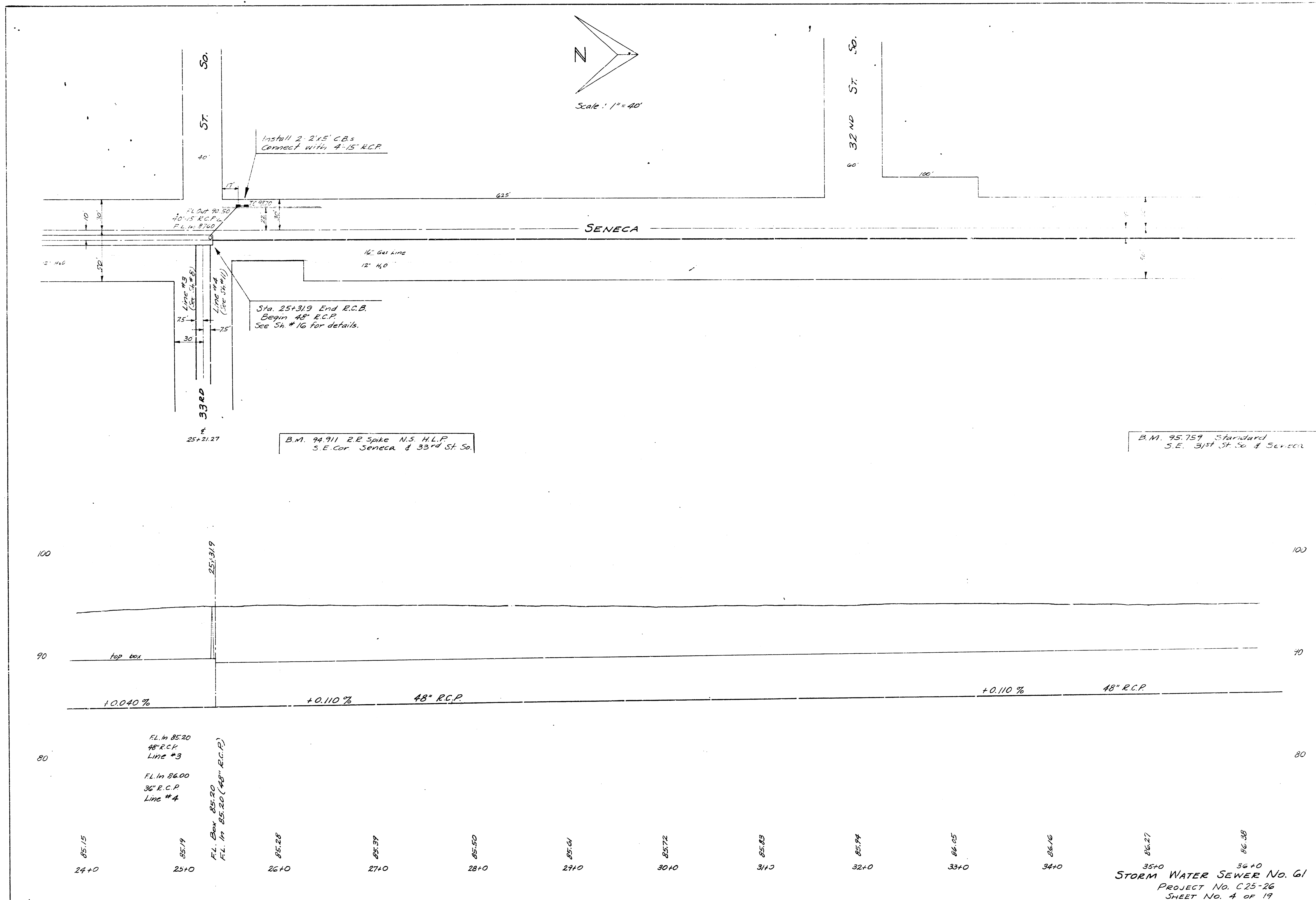
OK - 10/11/56
C.E.S.
1898

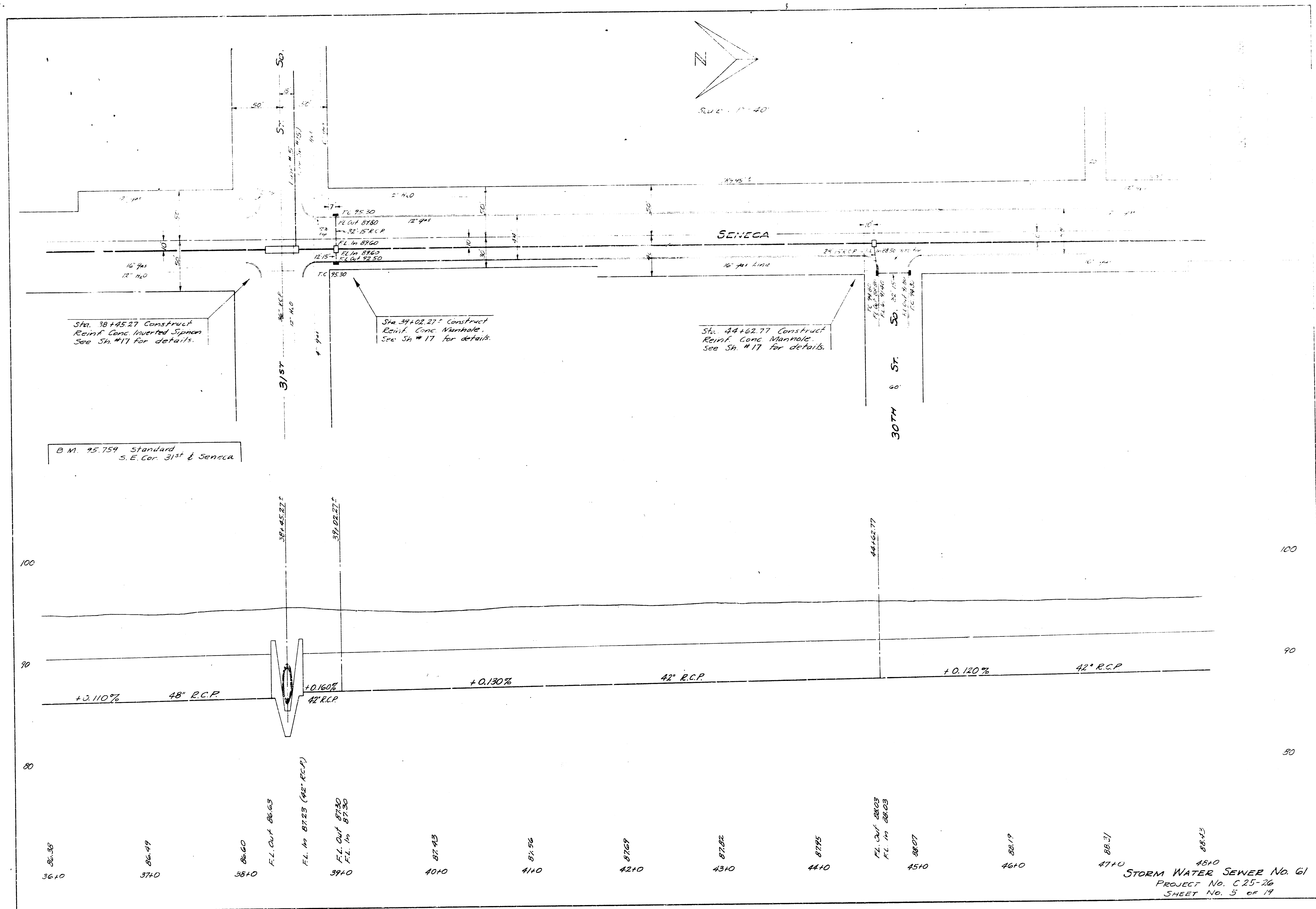


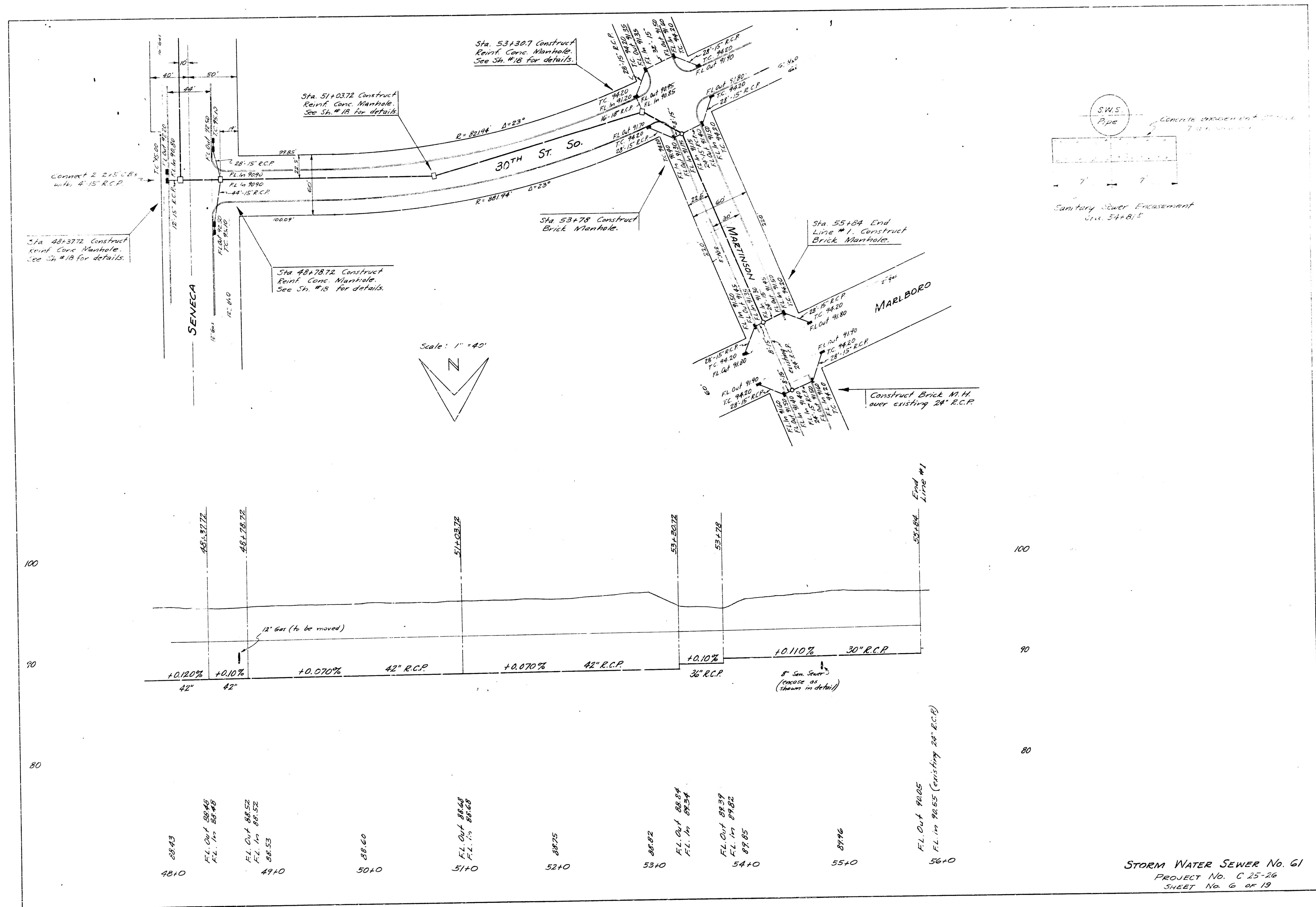


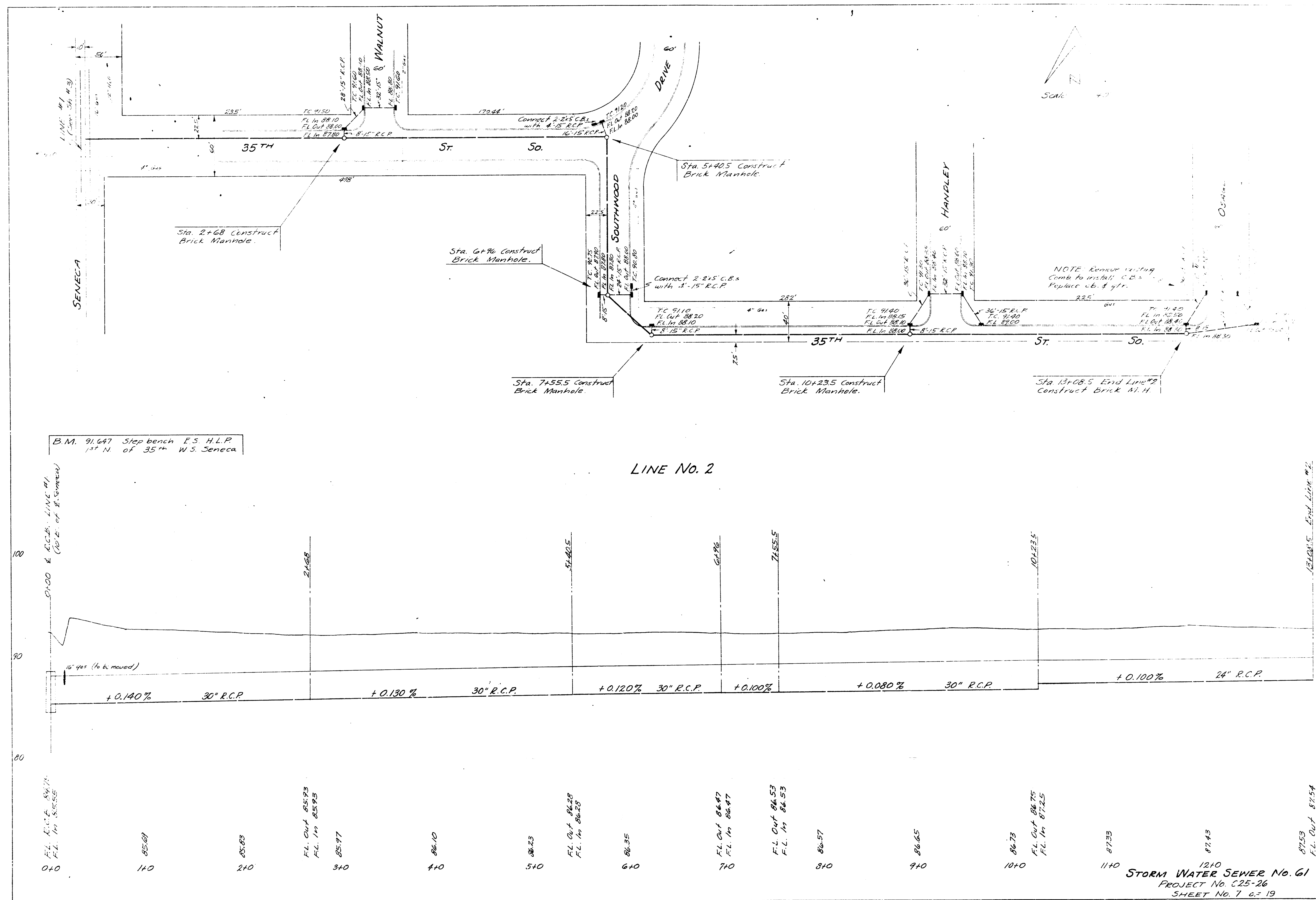


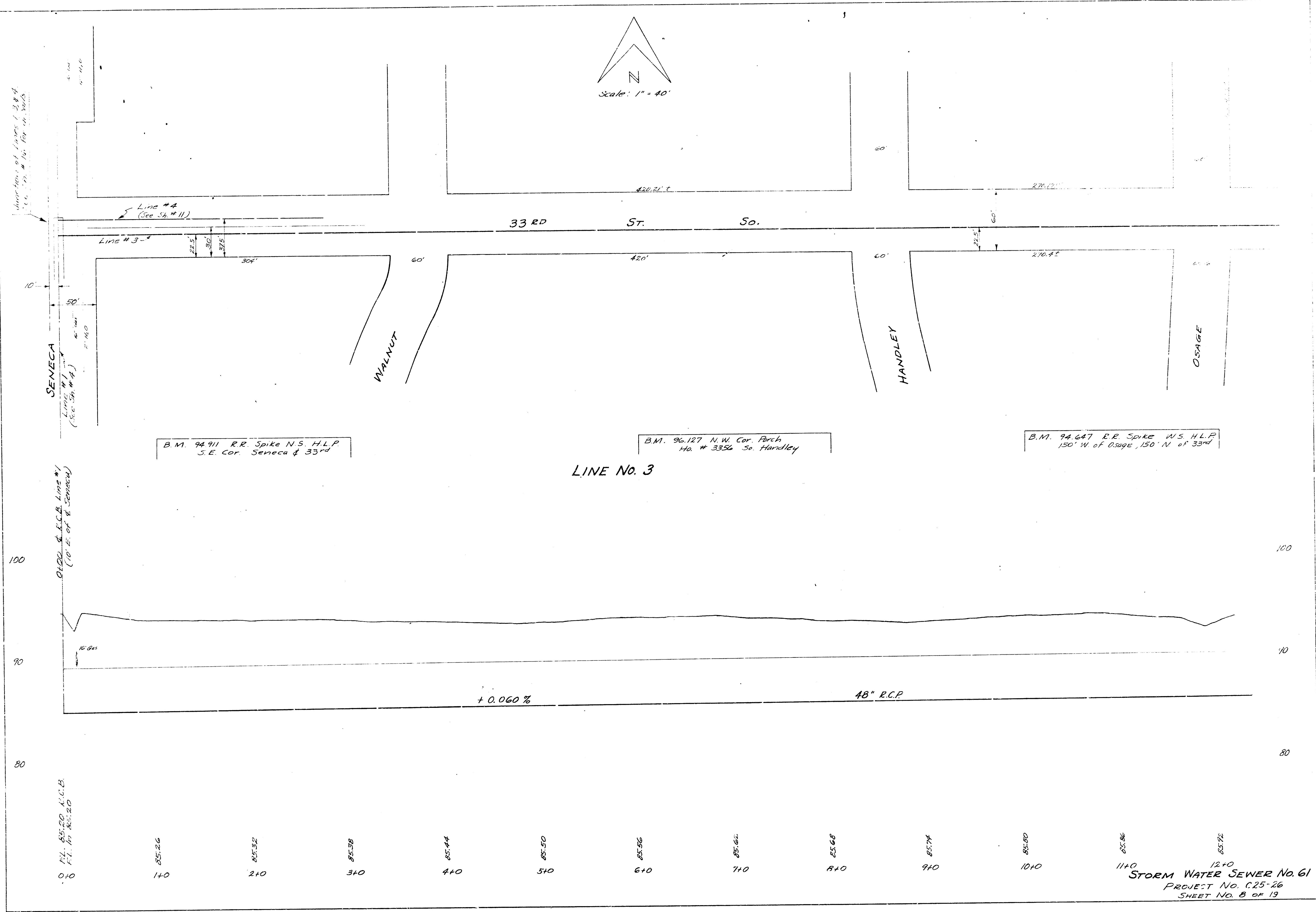
STORM WATER SEWER No. 61
PROJECT No. C25-26
SHEET No. 3 of 19

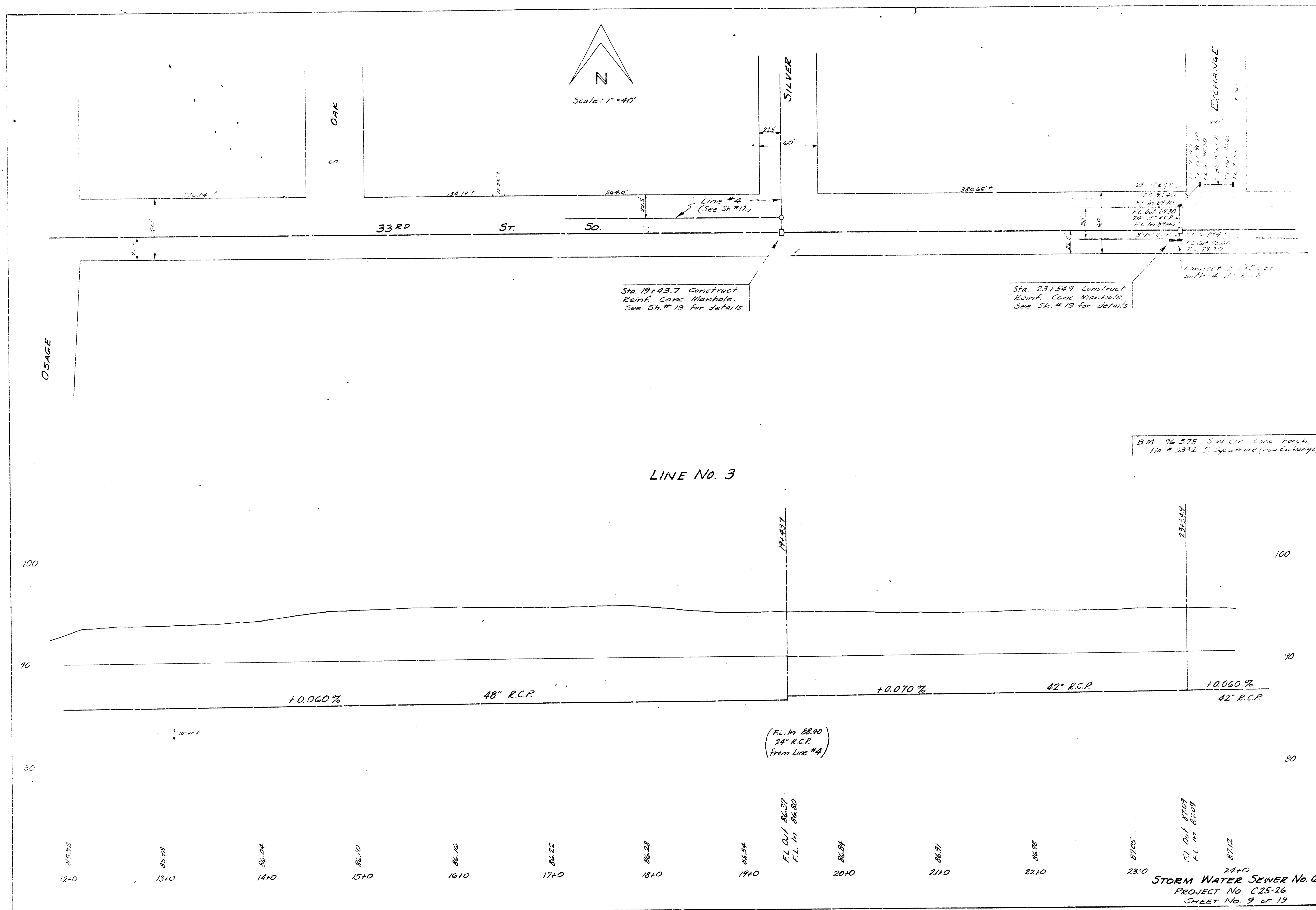


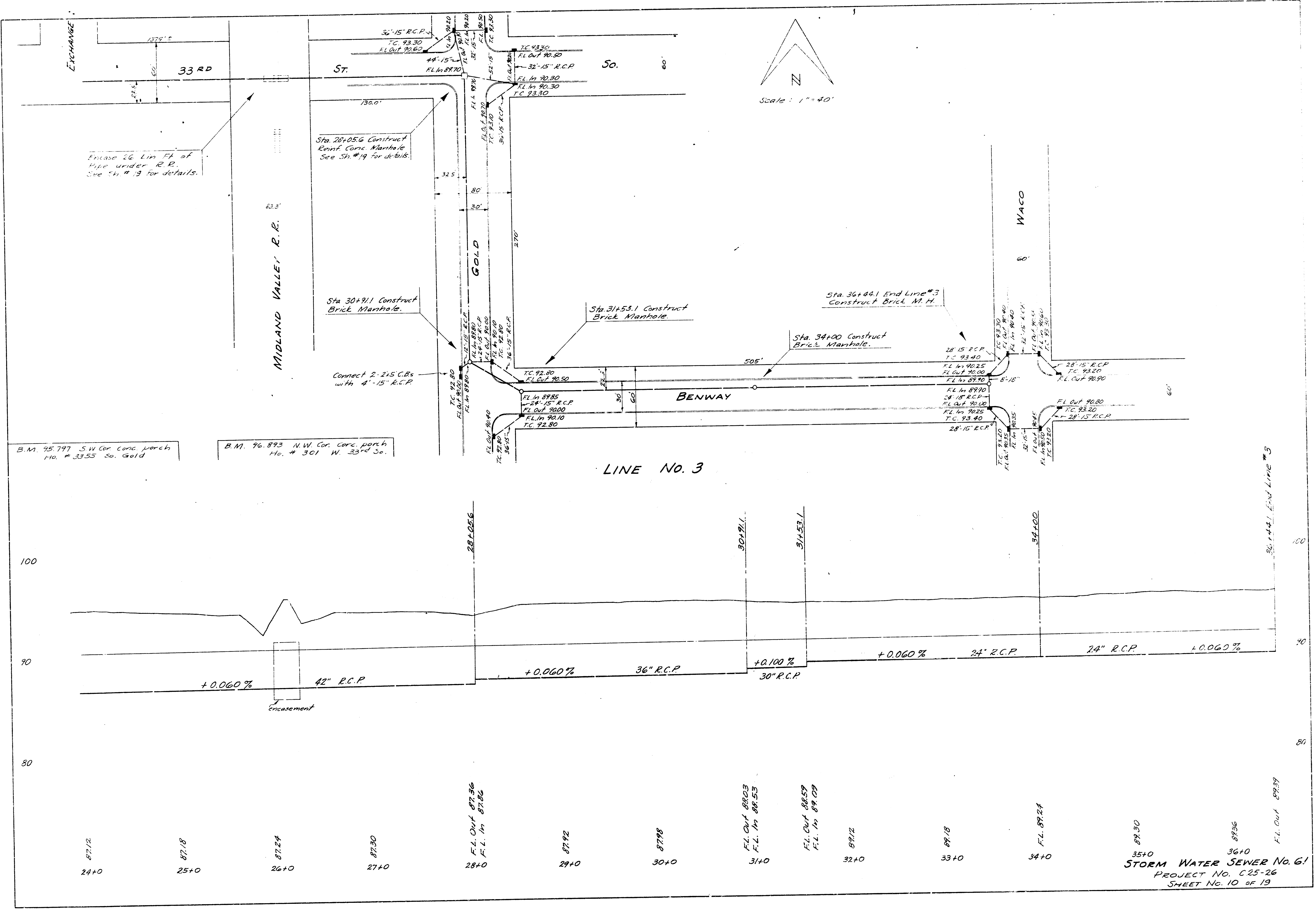


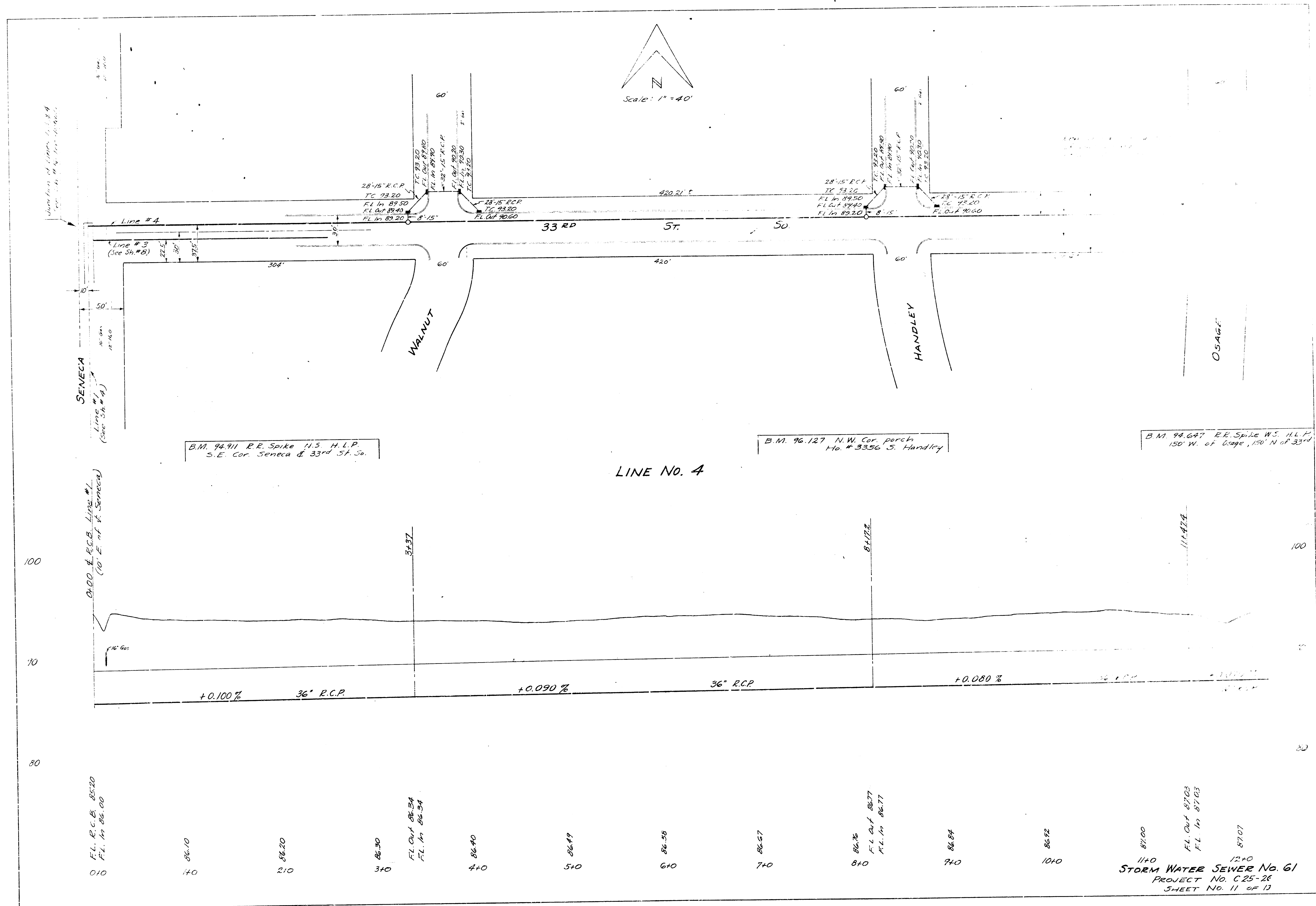


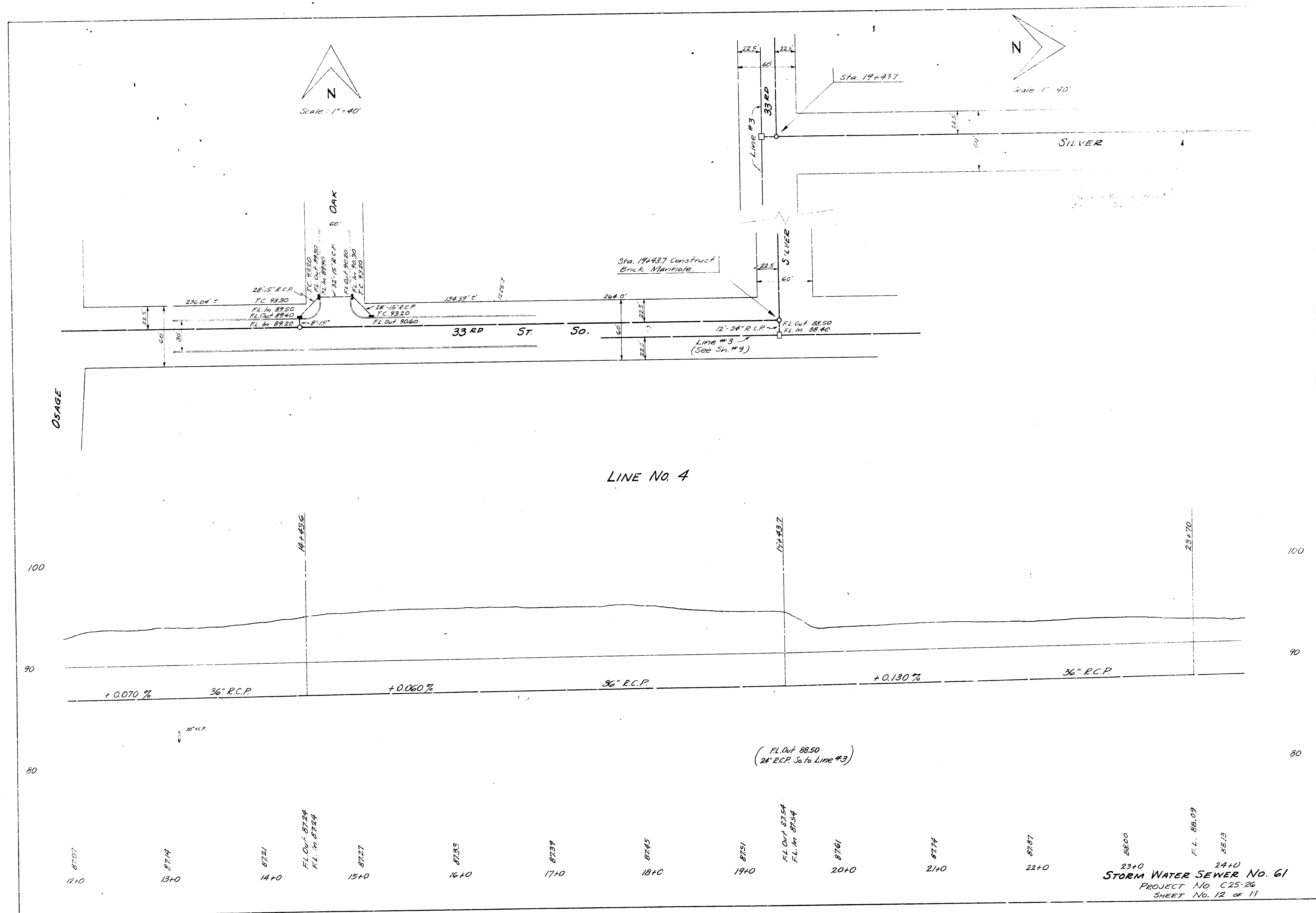


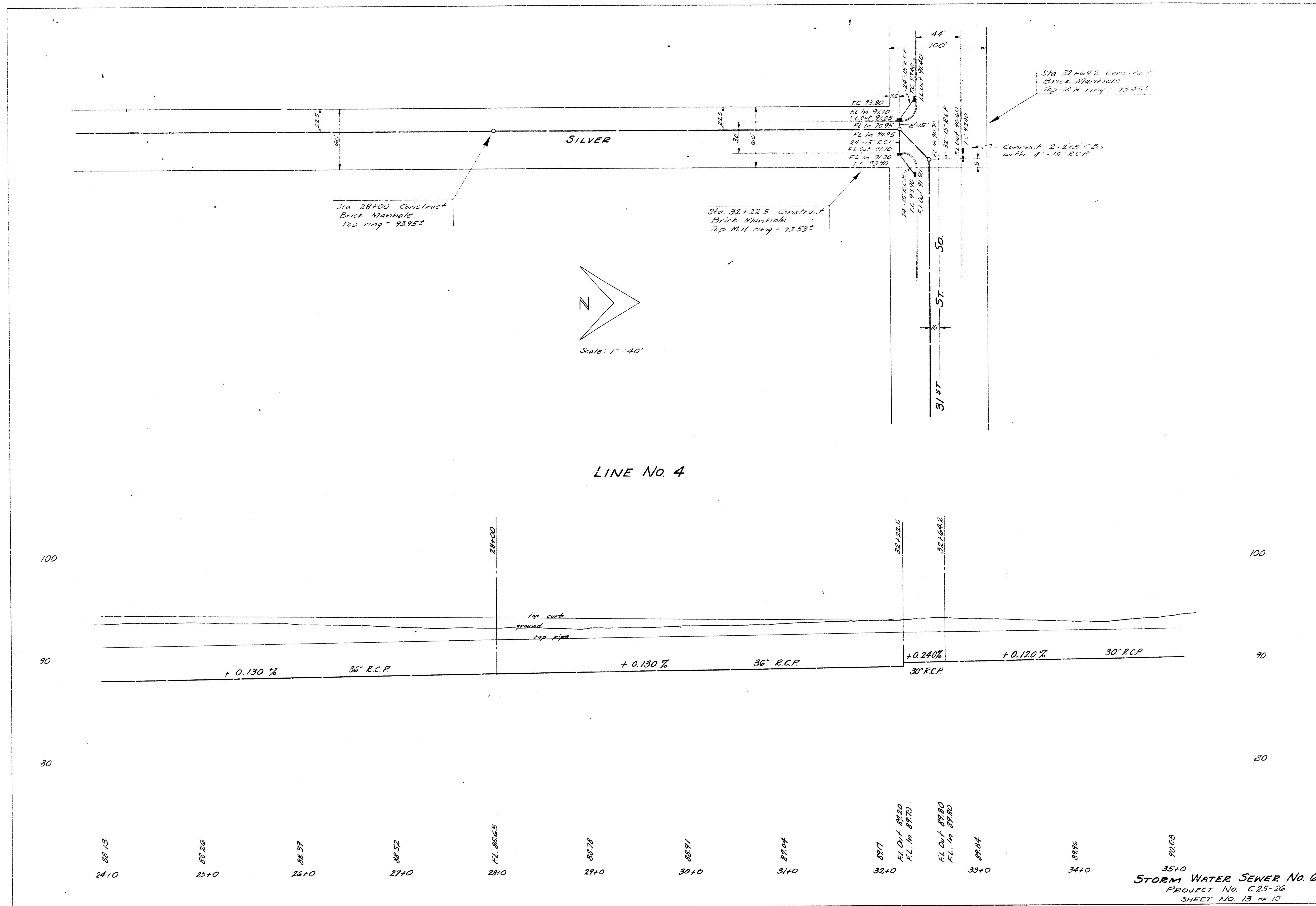


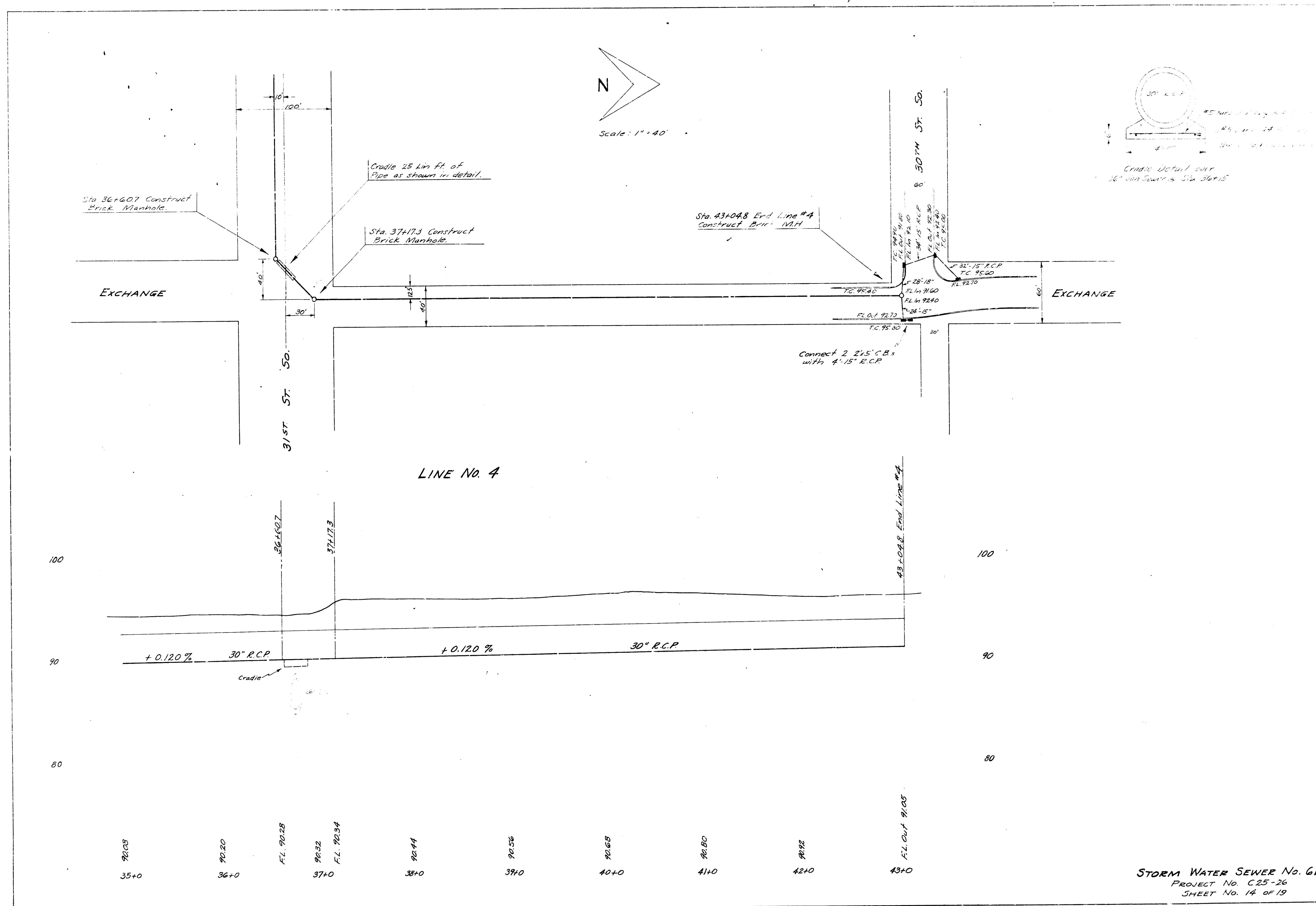


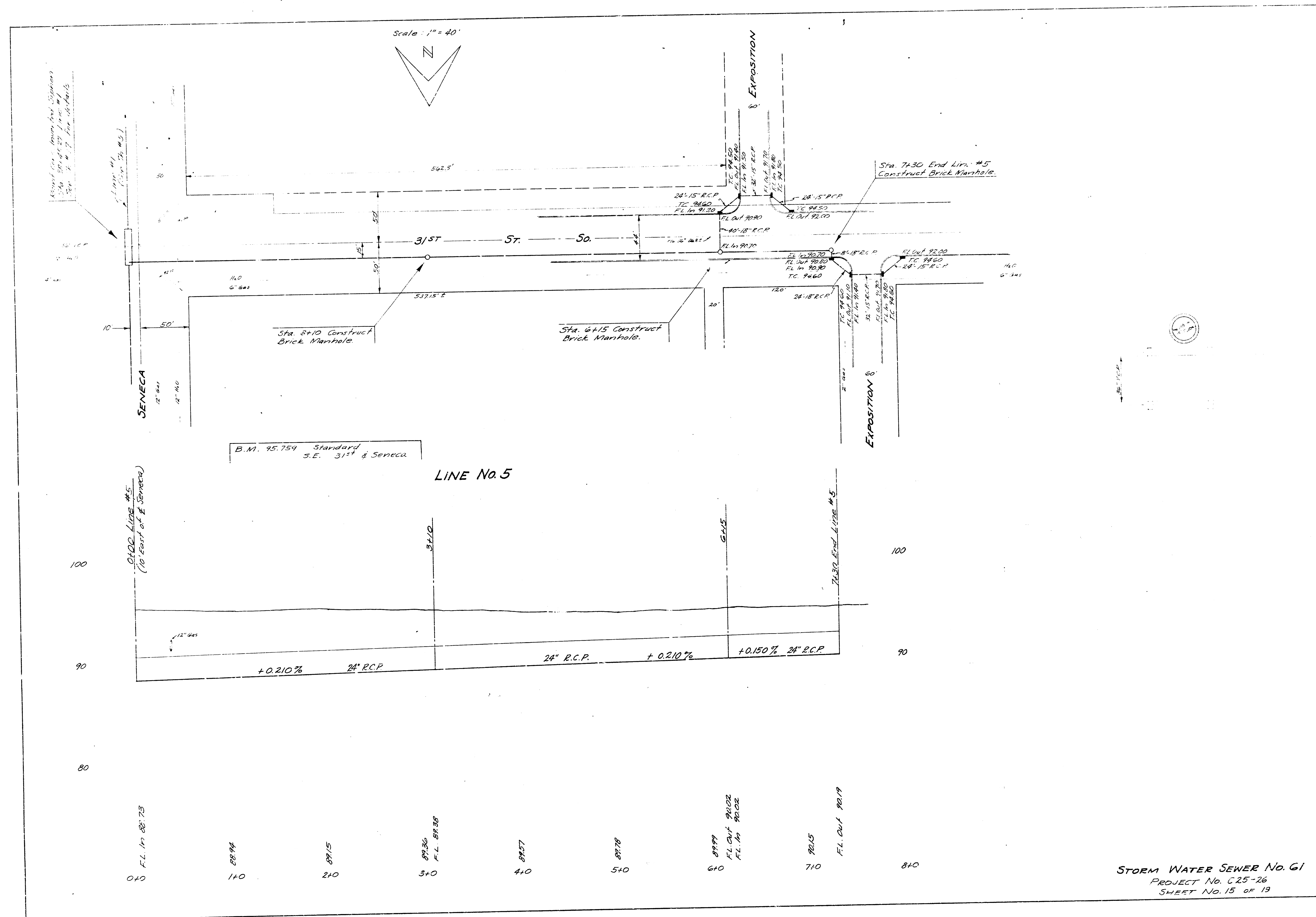




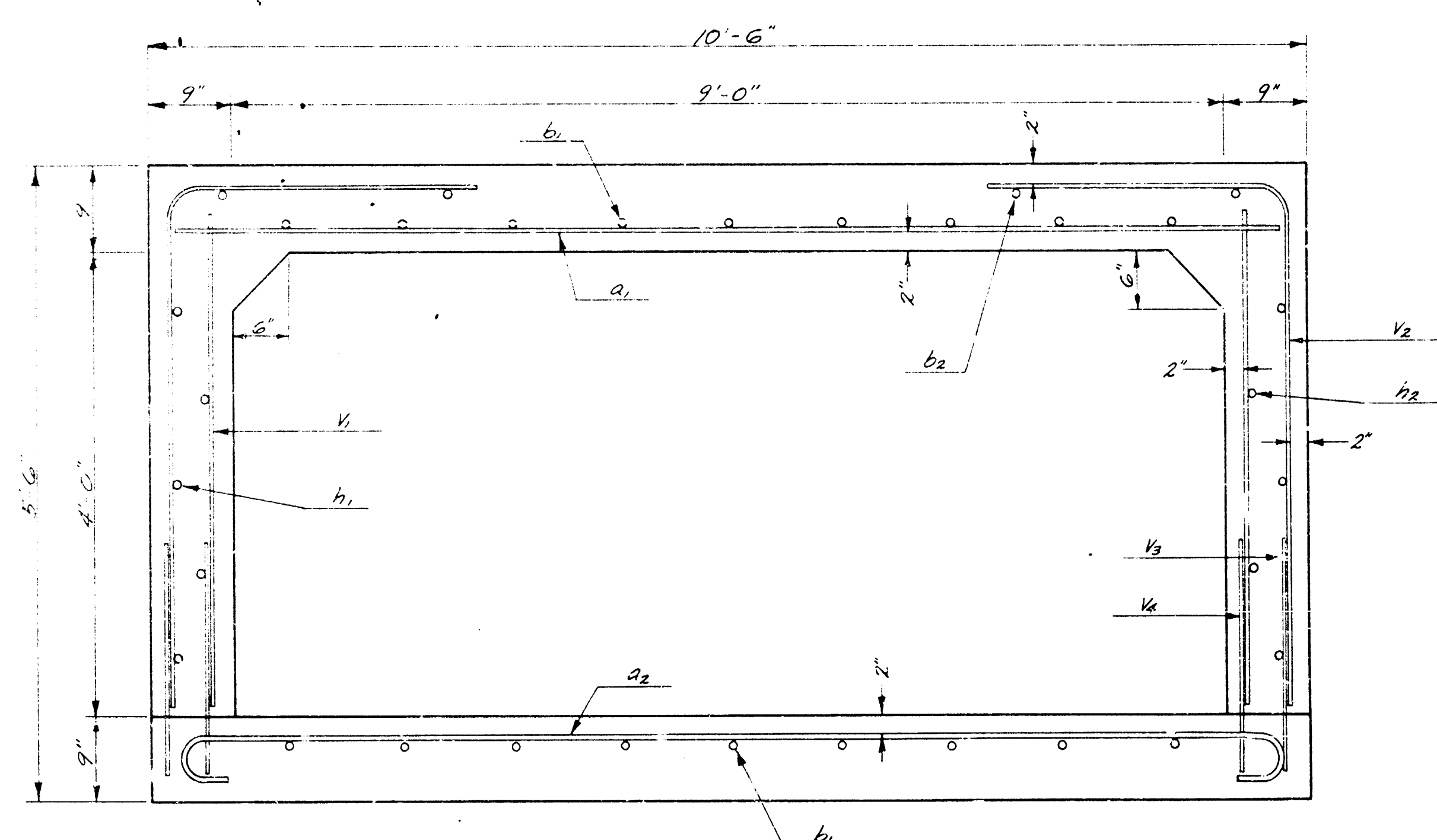






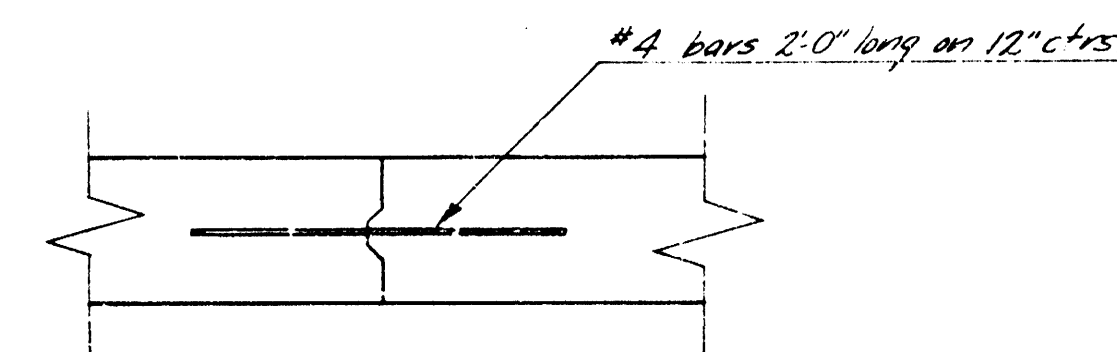


TYPICAL SECTION
REINF. CONC. CONDUIT
Scale: 1" = 1'-0"



Concrete for structures shall contain not less than 165 lbs. of cement per cu yd. of concrete. In no event shall the total water content exceed 6.25 gals. per sack of cement. The mixture of fine and coarse aggregate shall be such to produce a maximum density of a most workable mixture. An internal vibrator shall be used for placing concrete. The floor of manholes are to be shaped for flow and drainage.

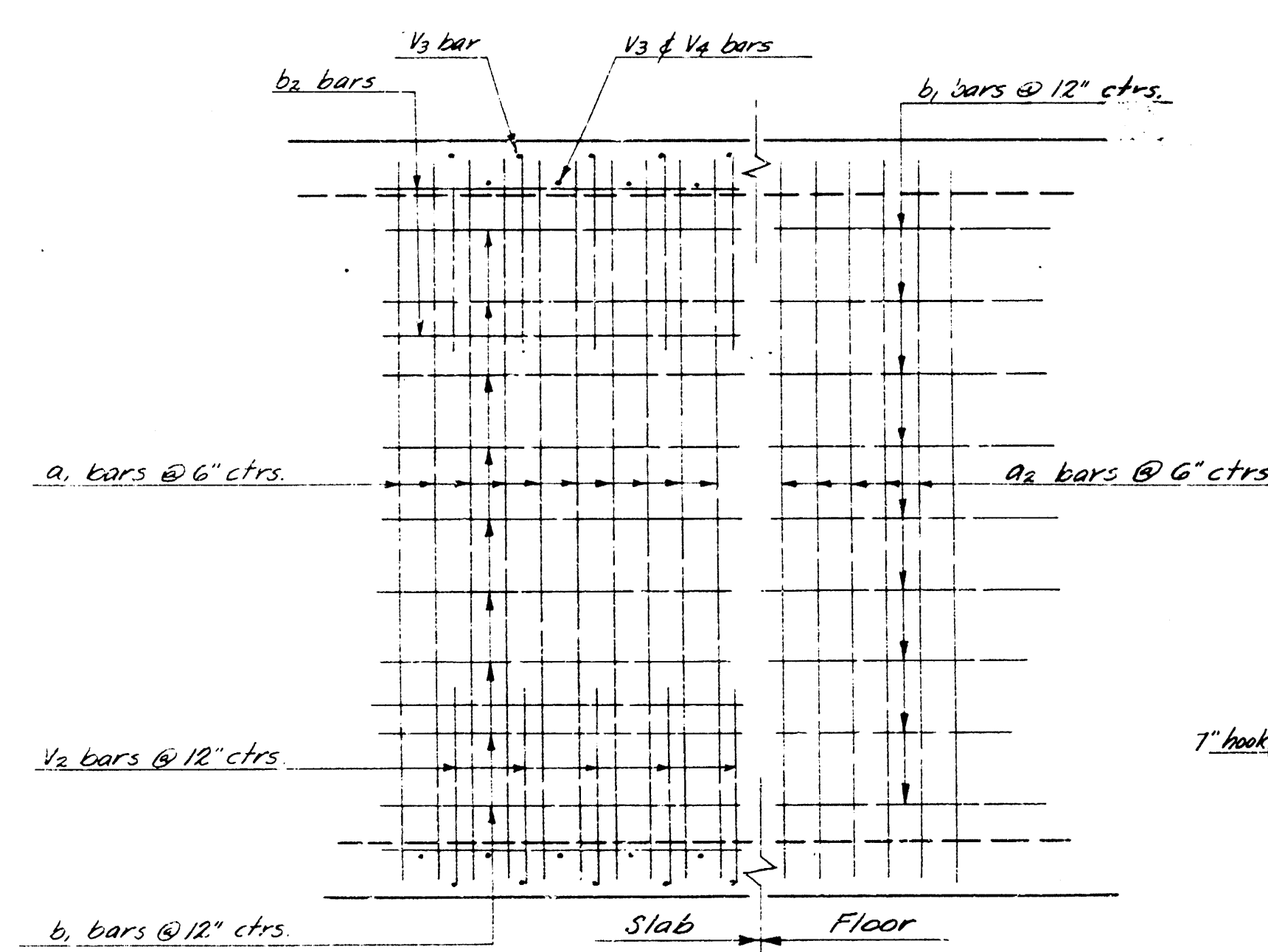
OPTIONAL: FILLET
Shape of fillet & method of forming to be approved by City Engineer.



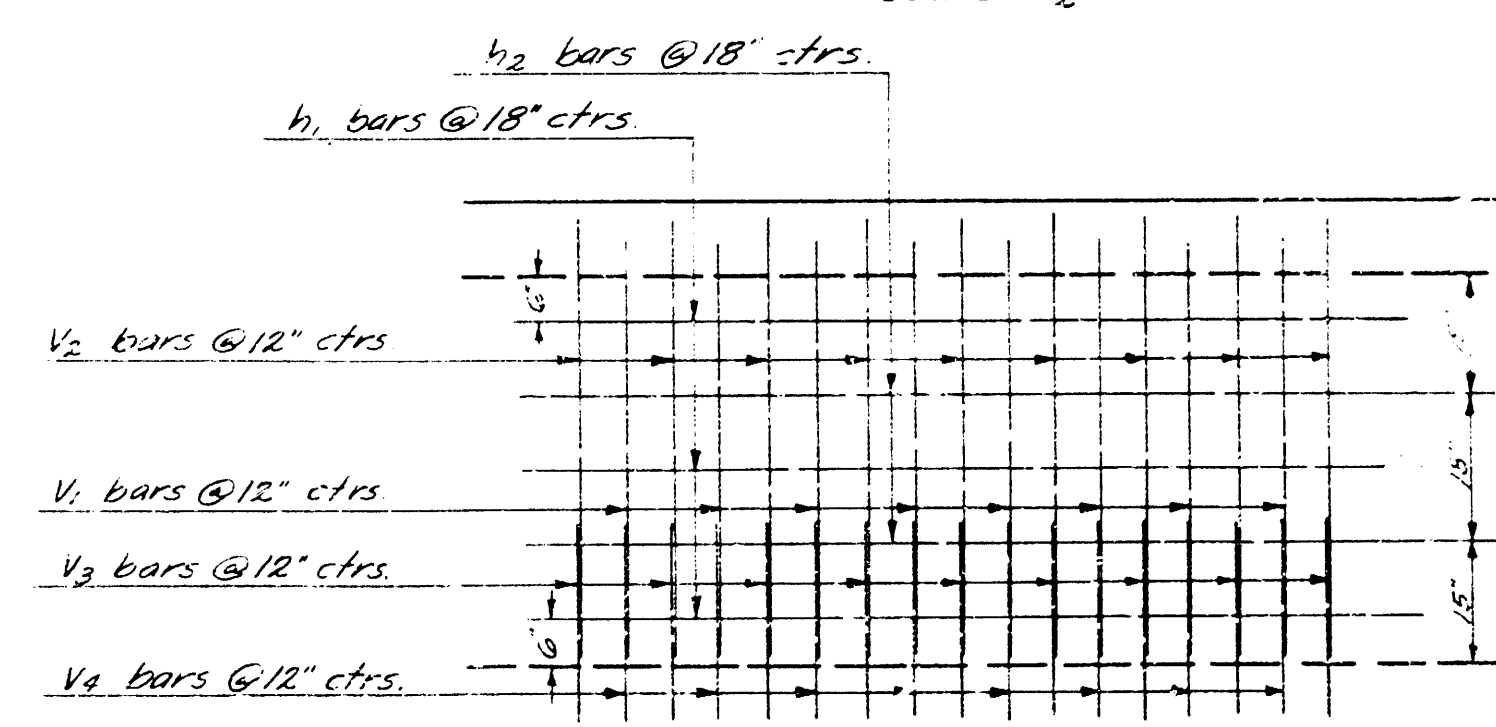
DETAIL OF KEYED JOINT
To be used at the end of each pour in the slab, floor & walls. All longitudinal steel to be non-continuous at joints.

Bill of Material per lin. ft. of Conduit:
0.815 cu yds. concrete
106.6 lbs. reinf. steel

Note: Conduit is to be bid as lin. ft. reinf. conc. conduit, complete in place, including excavation, concrete, reinf. steel, toe wall at outlet, brick manholes on top of conduit, and end wall at 33rd St. So.



PLAN VIEW
Scale: 1/2" = 1'-0"

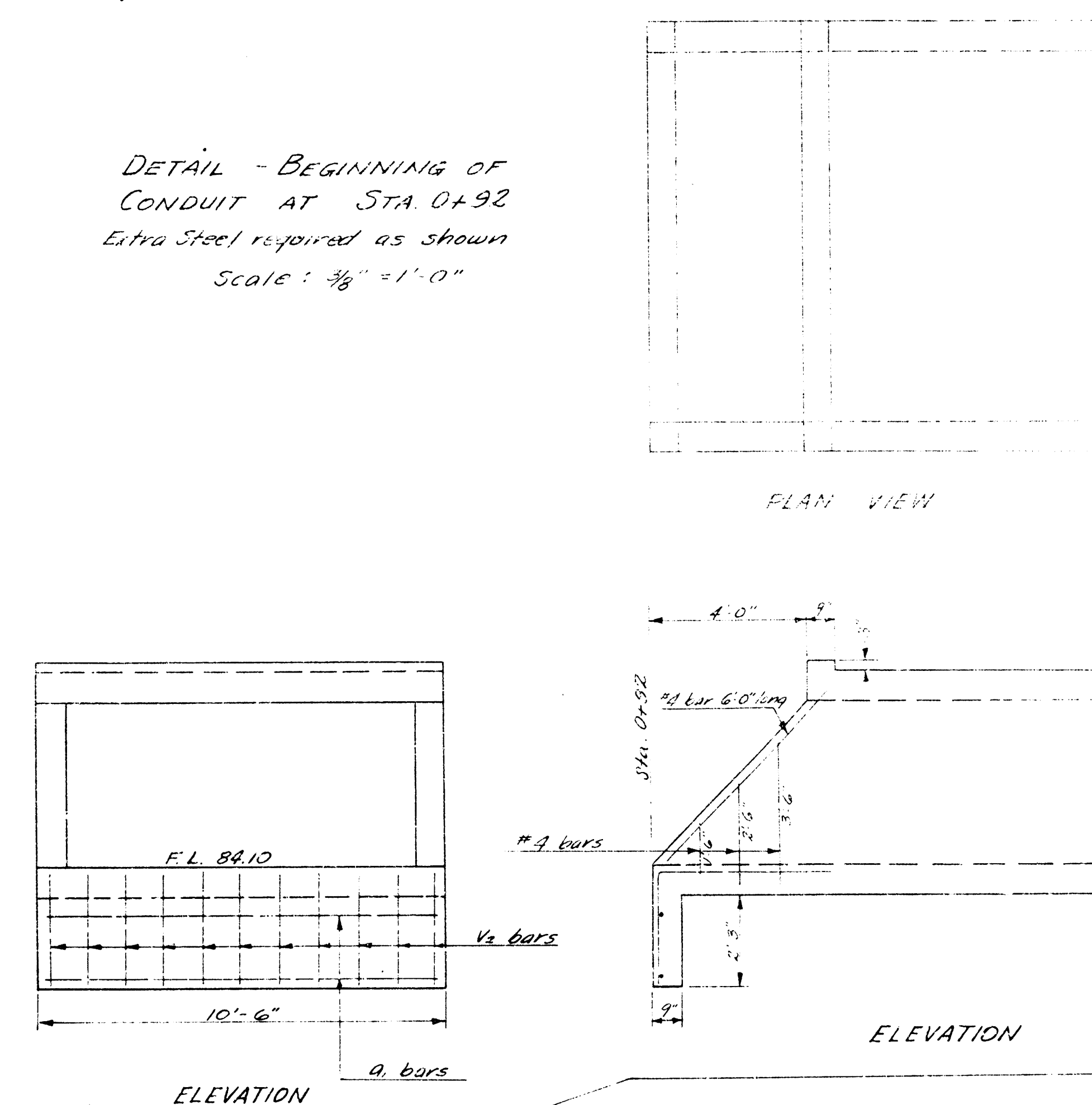


ELEVATION
Scale: 1/2" = 1'-0"

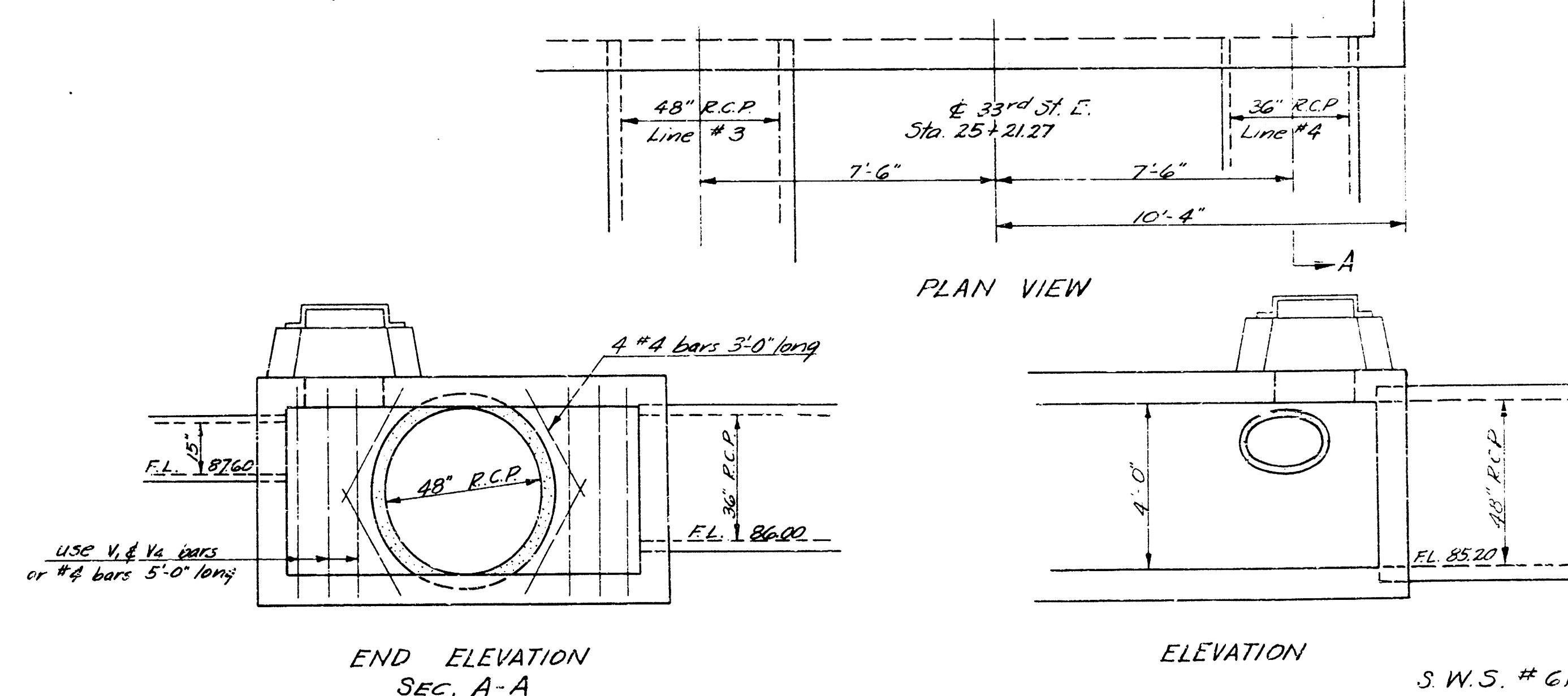
Bar	Size	Spacing	Length	Shape
a ₁	#6	6" ctrs.	10'-2"	
a ₂	#6	6" ctrs.	see detail	
b ₁	#4	12" ctrs.	continuous	
b ₂	#4	12" ctrs.	continuous	
V ₁	#4	12" ctrs.	4'-3"	
V ₂	#4	12" ctrs.	see detail	
V ₃	#4	12" ctrs.	2'-0"	
V ₄	#4	12" ctrs.	2'-0"	
V ₅	#4	12" ctrs.	continuous	
V ₆	#4	12" ctrs.	continuous	

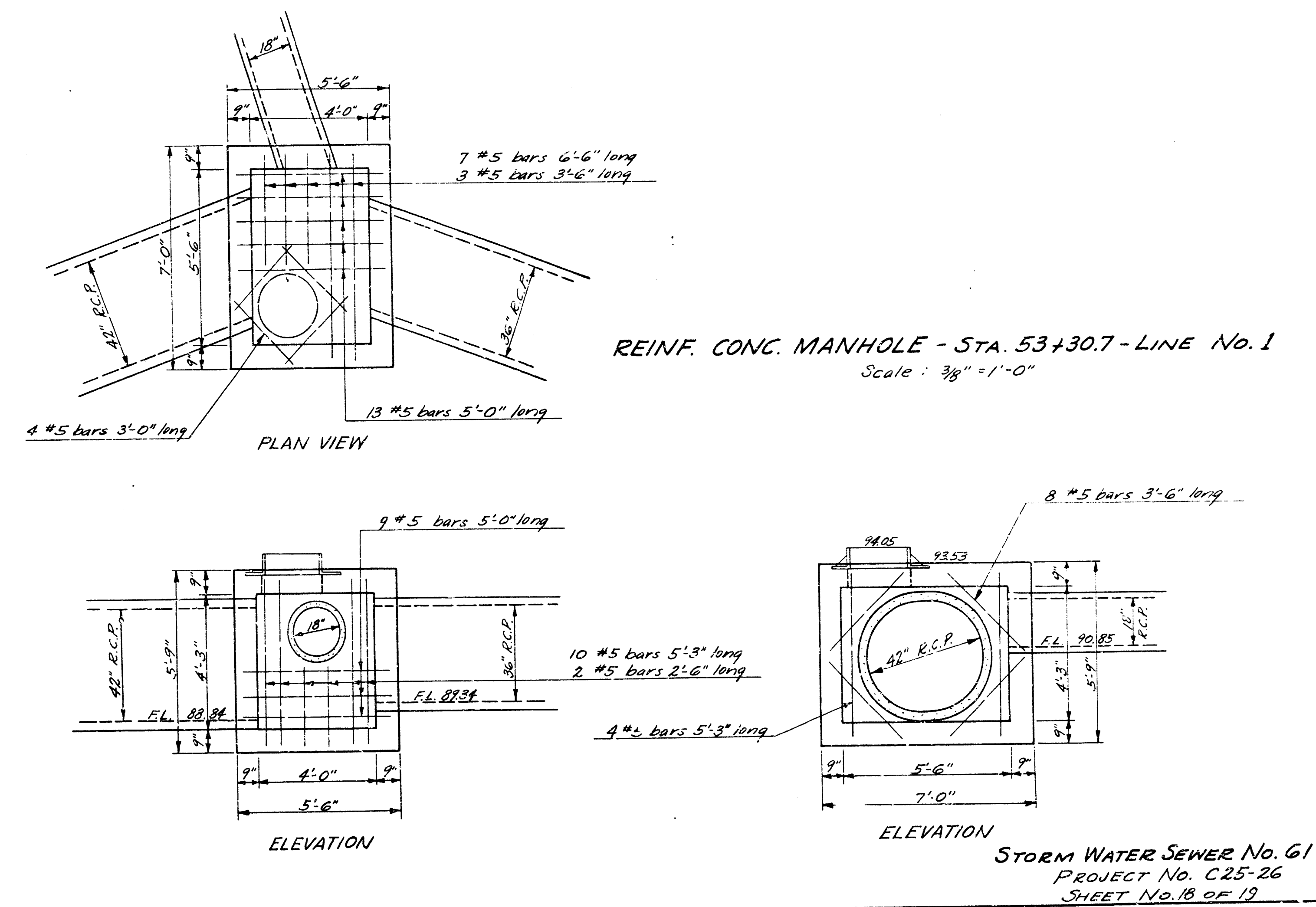
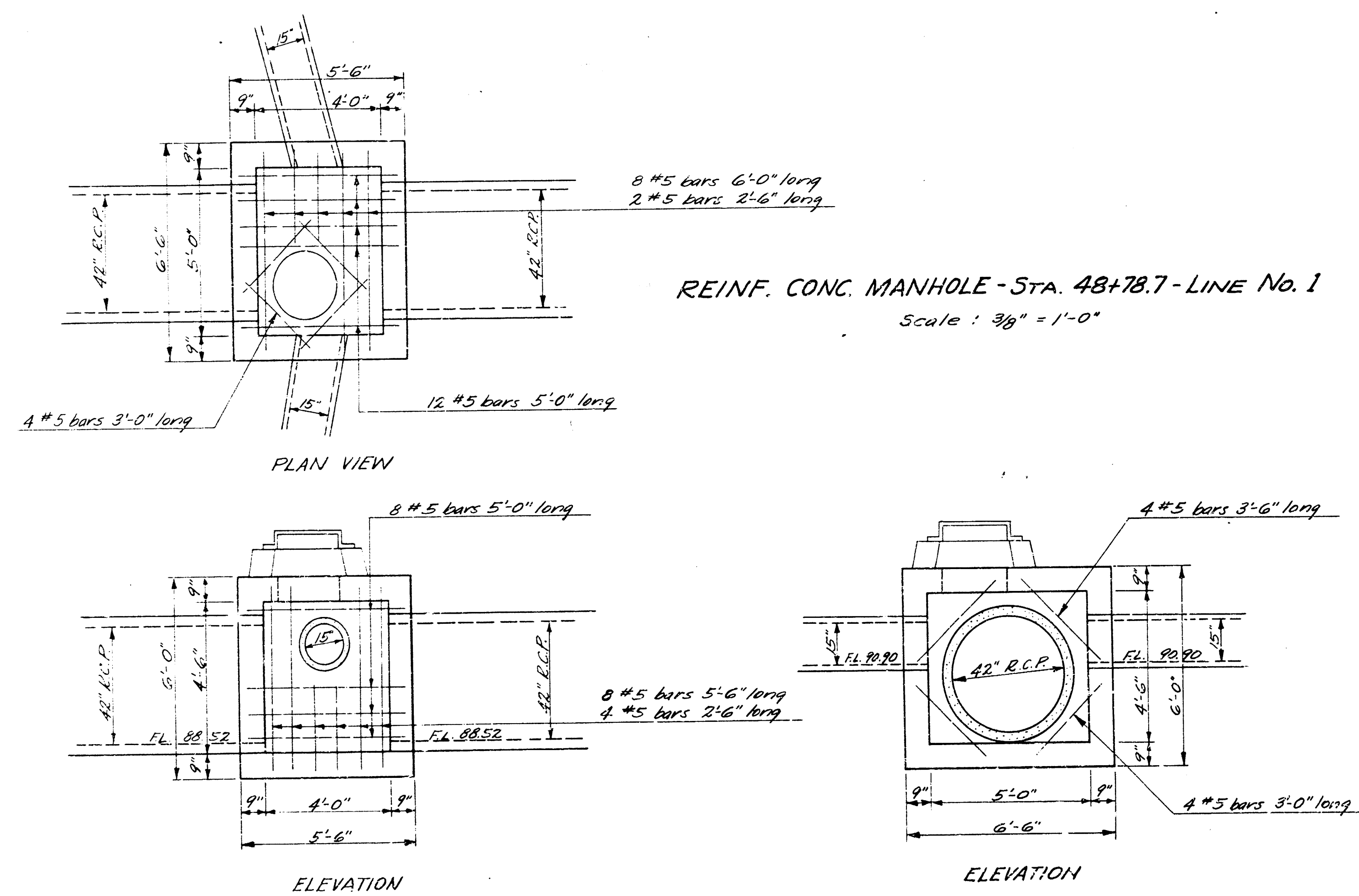
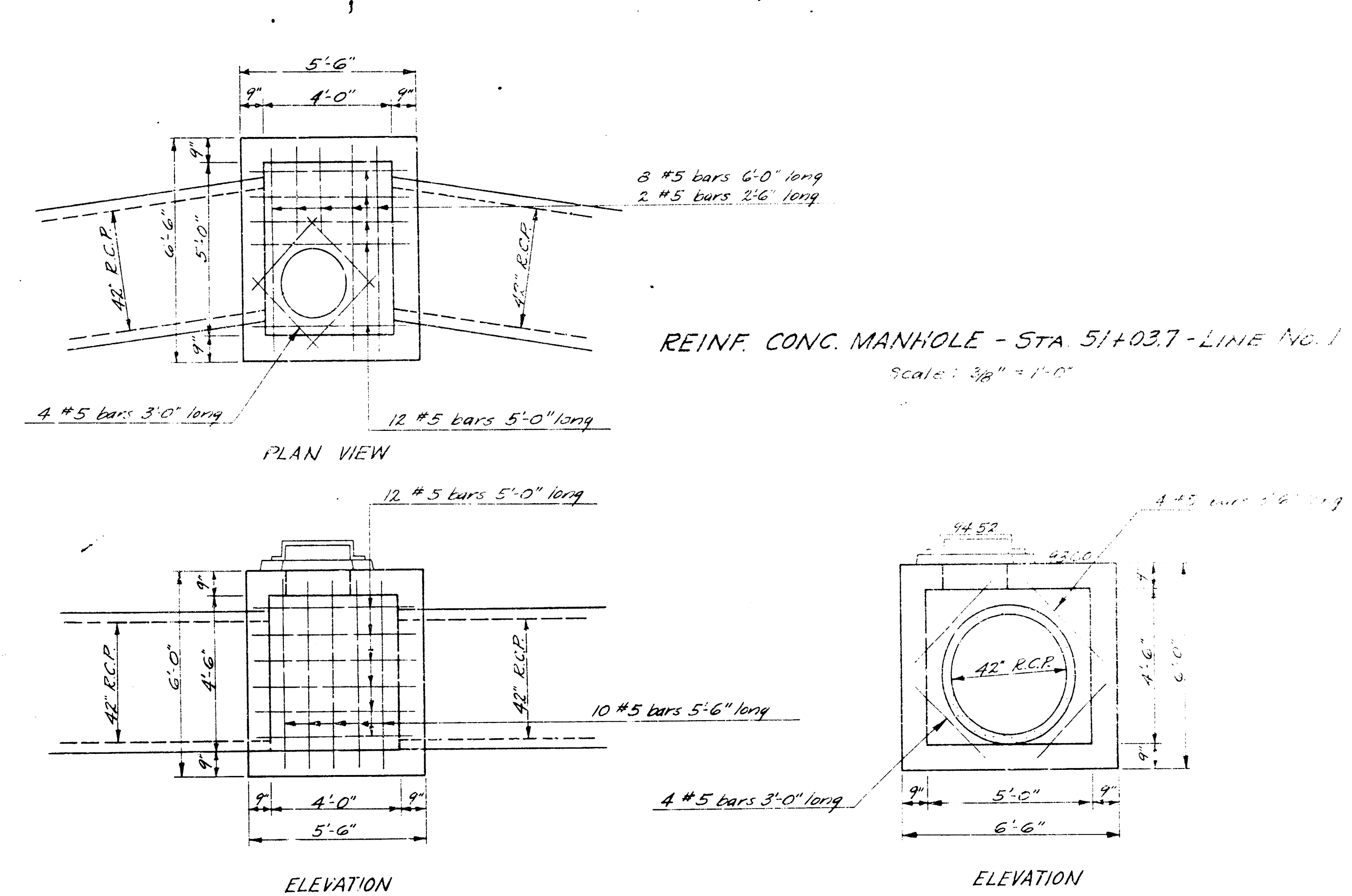
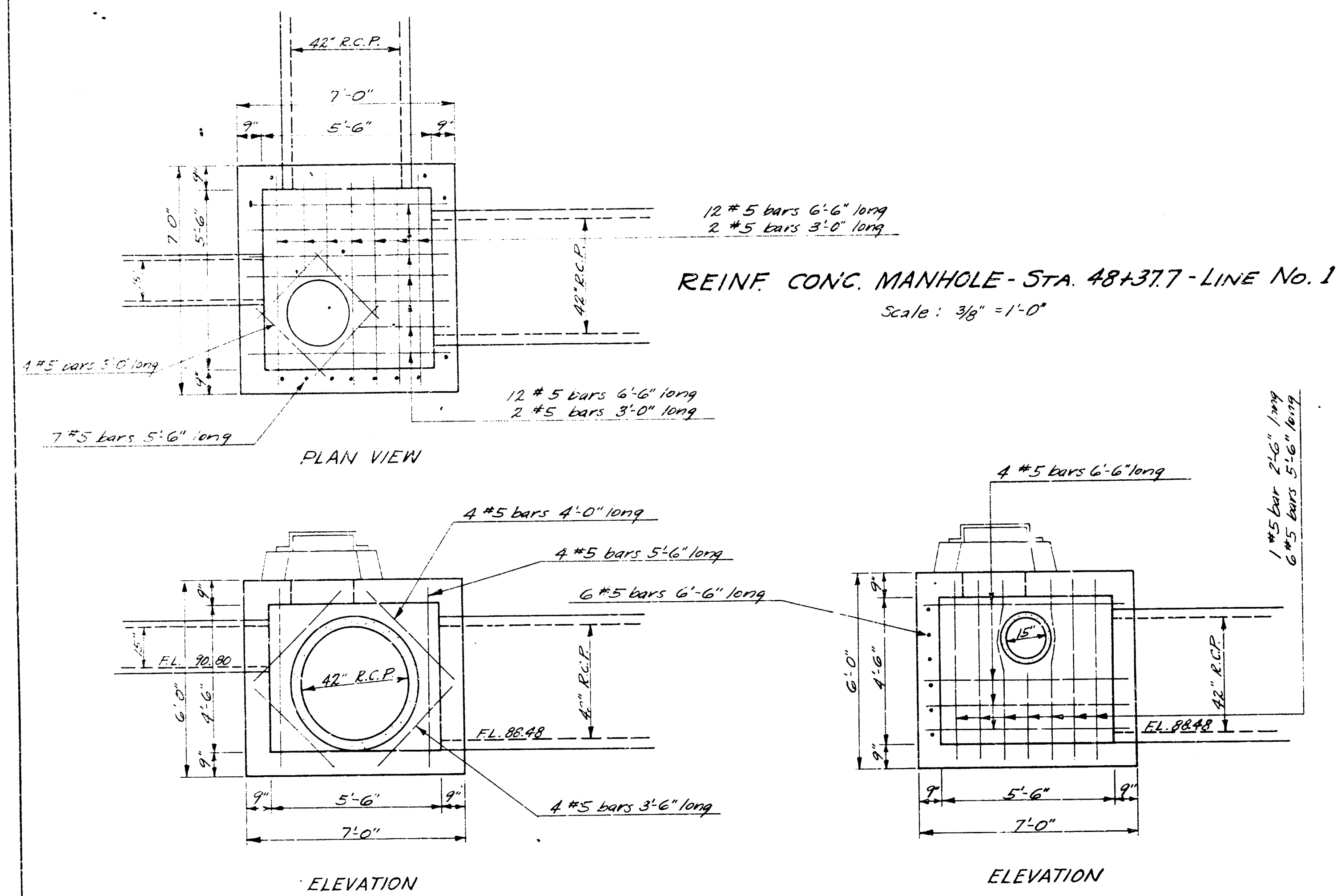
V₃ & V₄ bars to alternate as shown.
V₁ bar ties to V₄ bar.
V₂ bar ties to V₅ bar.
Splices on longitudinal bars - 15" minimum.

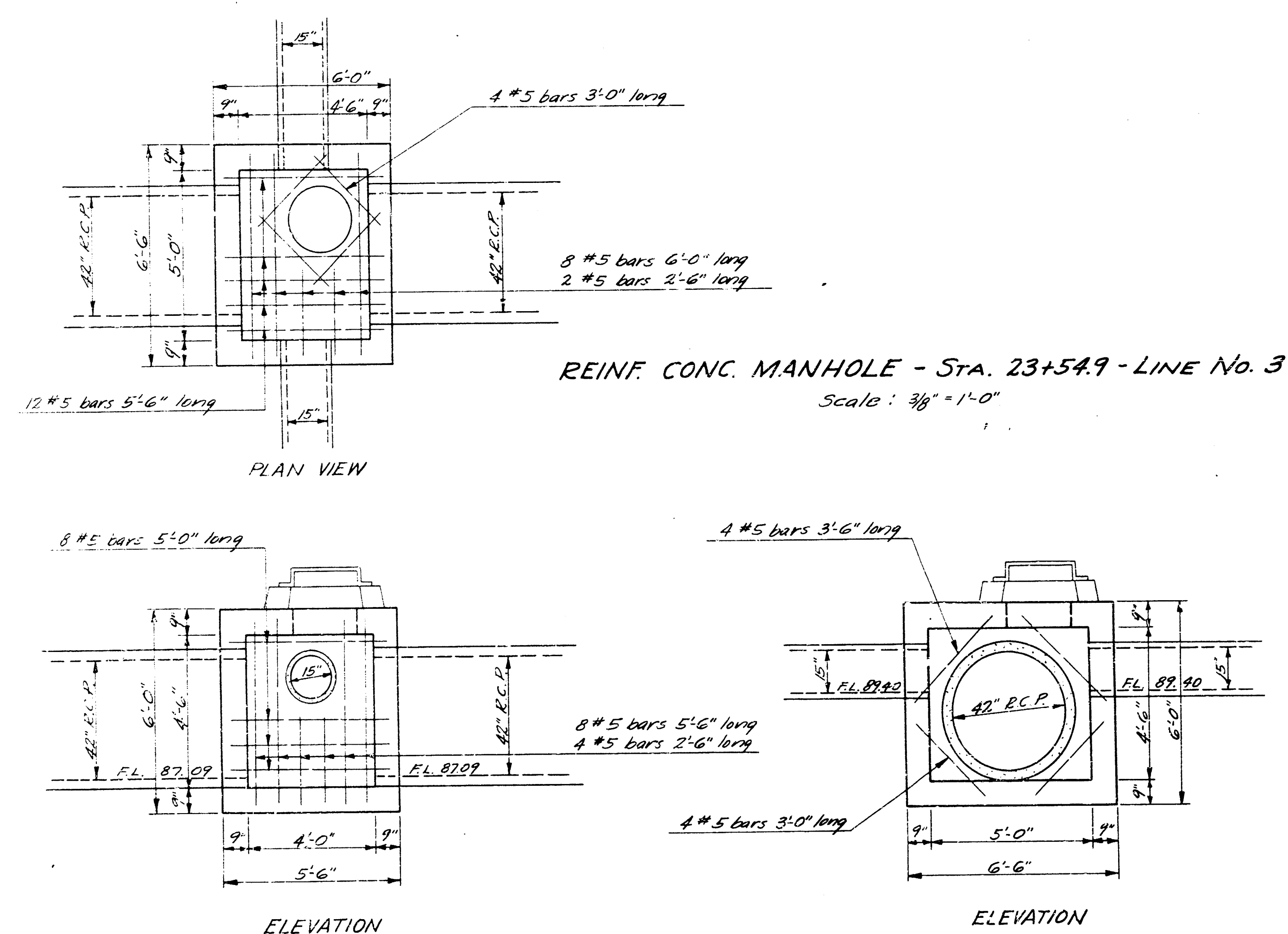
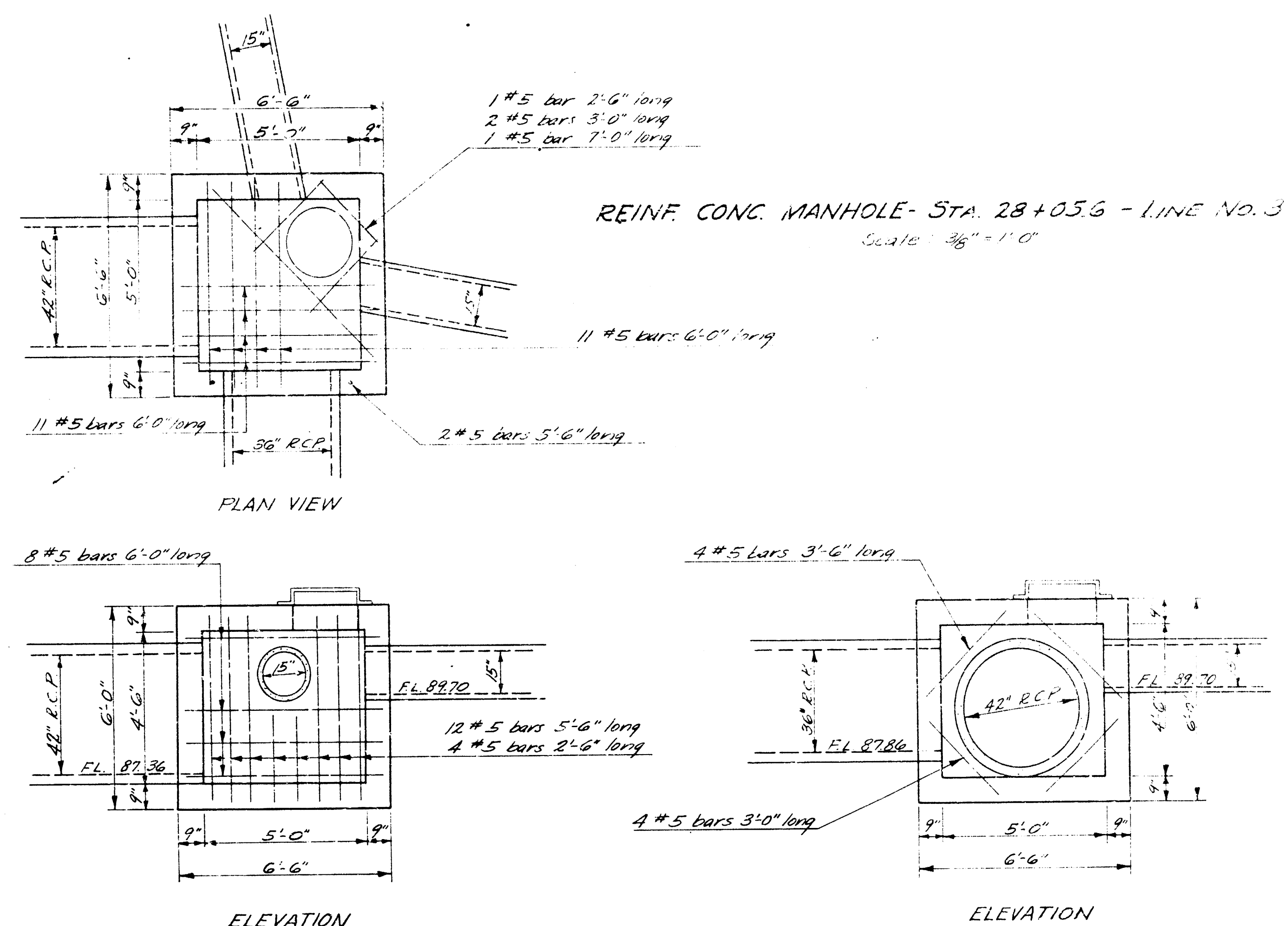
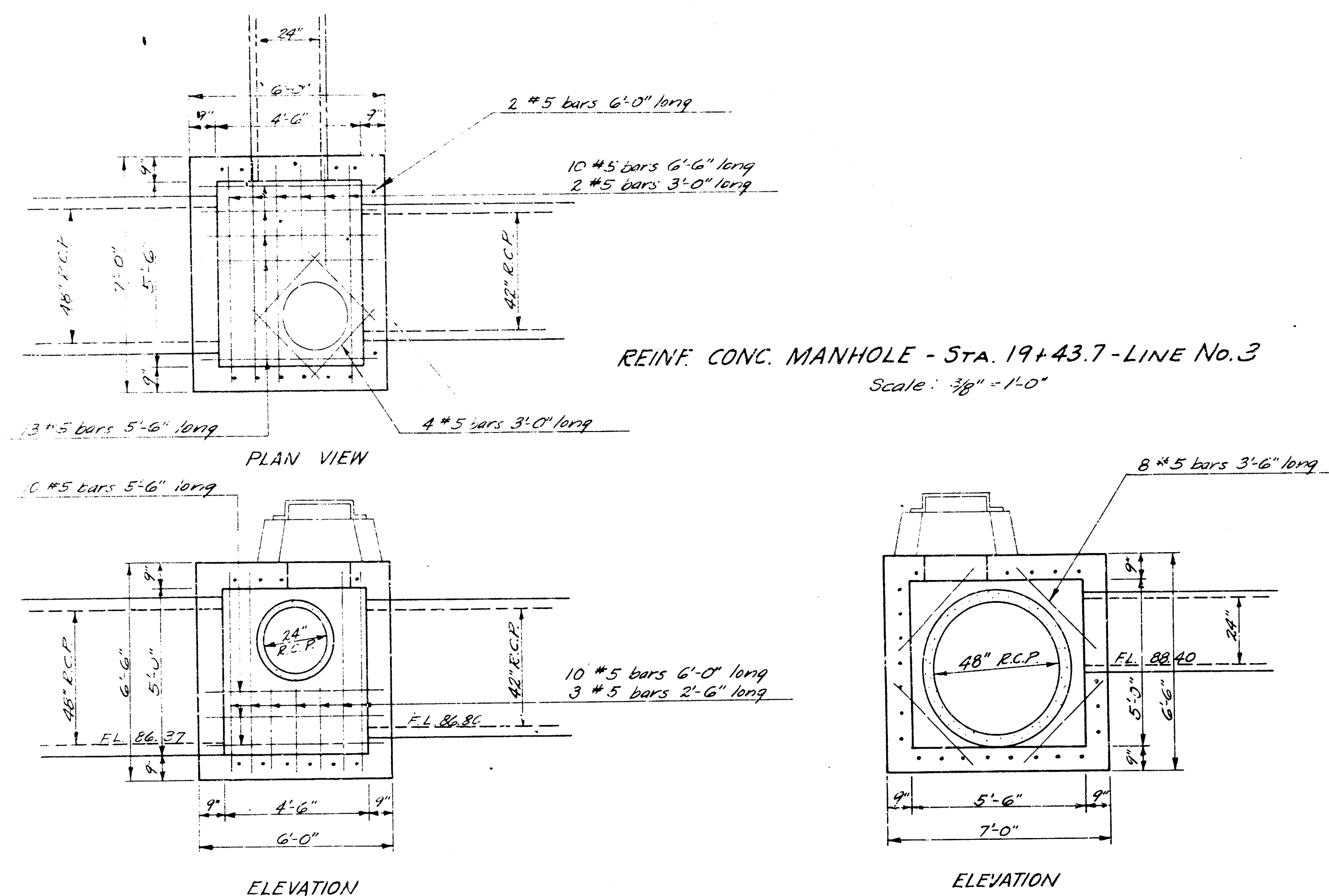
DETAIL - BEGINNING OF
CONDUIT AT STA. 0+92
Extra Steel required as shown
Scale: 3/8" = 1'-0"



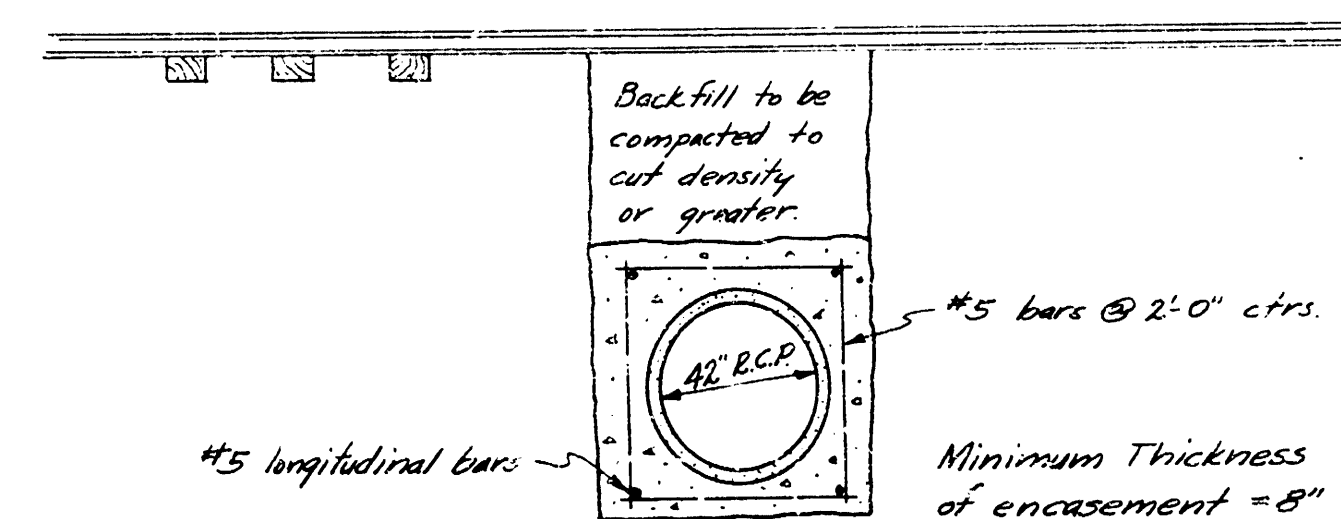
DETAIL - END OF CONDUIT
AT 33RD ST. So.
Scale: 3/8" = 1'-0"



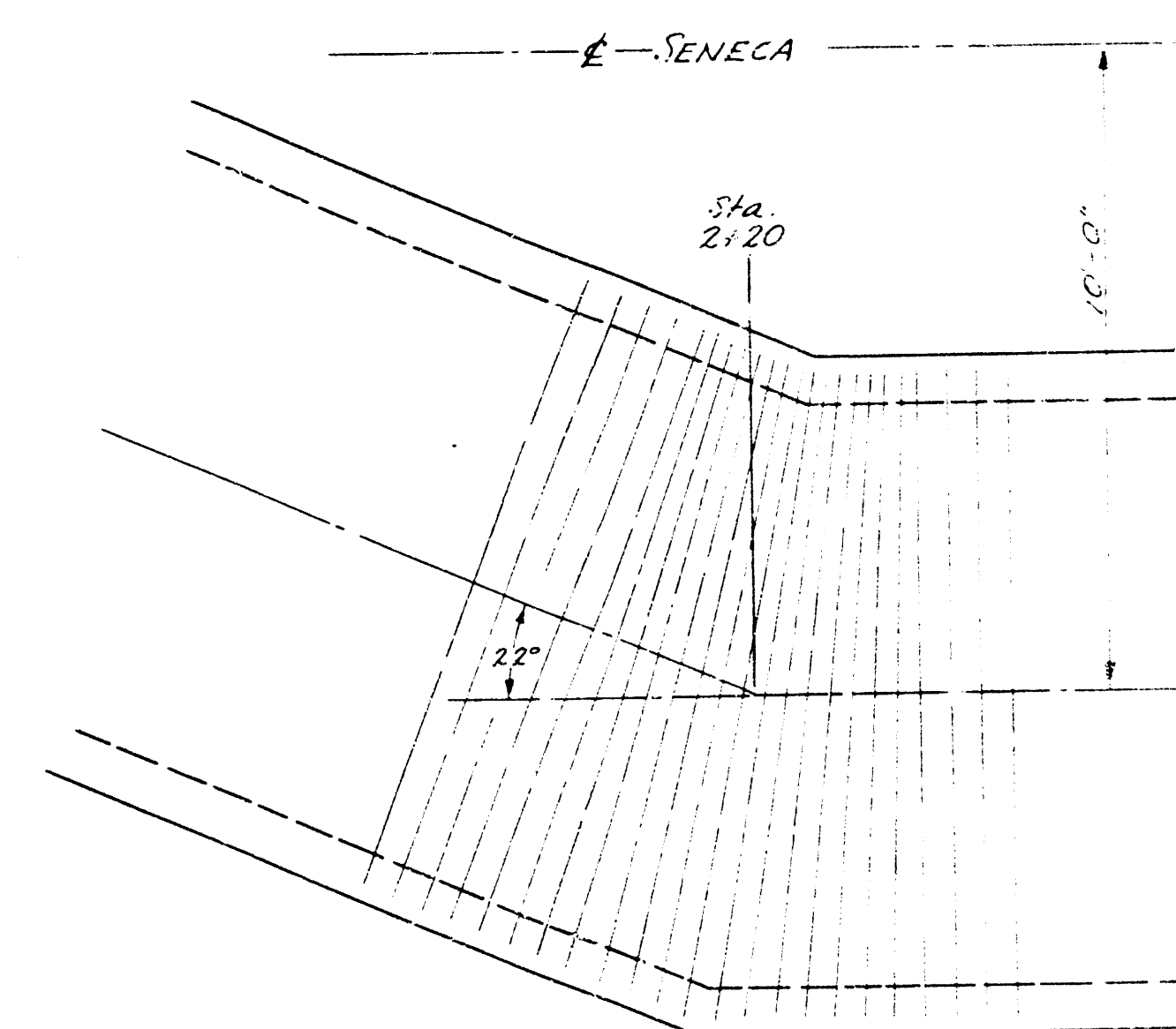




Pipe is to be installed by open ditch method with tracks removed during hours which will not disrupt train traffic. The contractor shall give proper notice to the R.R. to provide flagmen, etc., while the crossing is being made. The expense of removing and replacing tracks and all other charges made by the R.R. will be paid by the contractor. R.R. charges, cost of encasement and reinf. steel, and all other extra cost of crossing shall be included in the lump sum bid of reinf. conc. R.R. crossing.
A sack paving mix is to be used for encasement concrete.



TYPICAL SECTION
REINF. CONC. ENCASEMENT
UNDER MIDLAND VALLEY R.R.
STA. 26+10 - LINE No. 3



PLAN VIEW - REINF. CONC. CONDUIT
STA. 2+20 - LINE 1
Scale: 3/8" = 1'-0"

STORM WATER SEWER No. 61
PROJECT No. C25-26
SHEET No. 19 OF 19