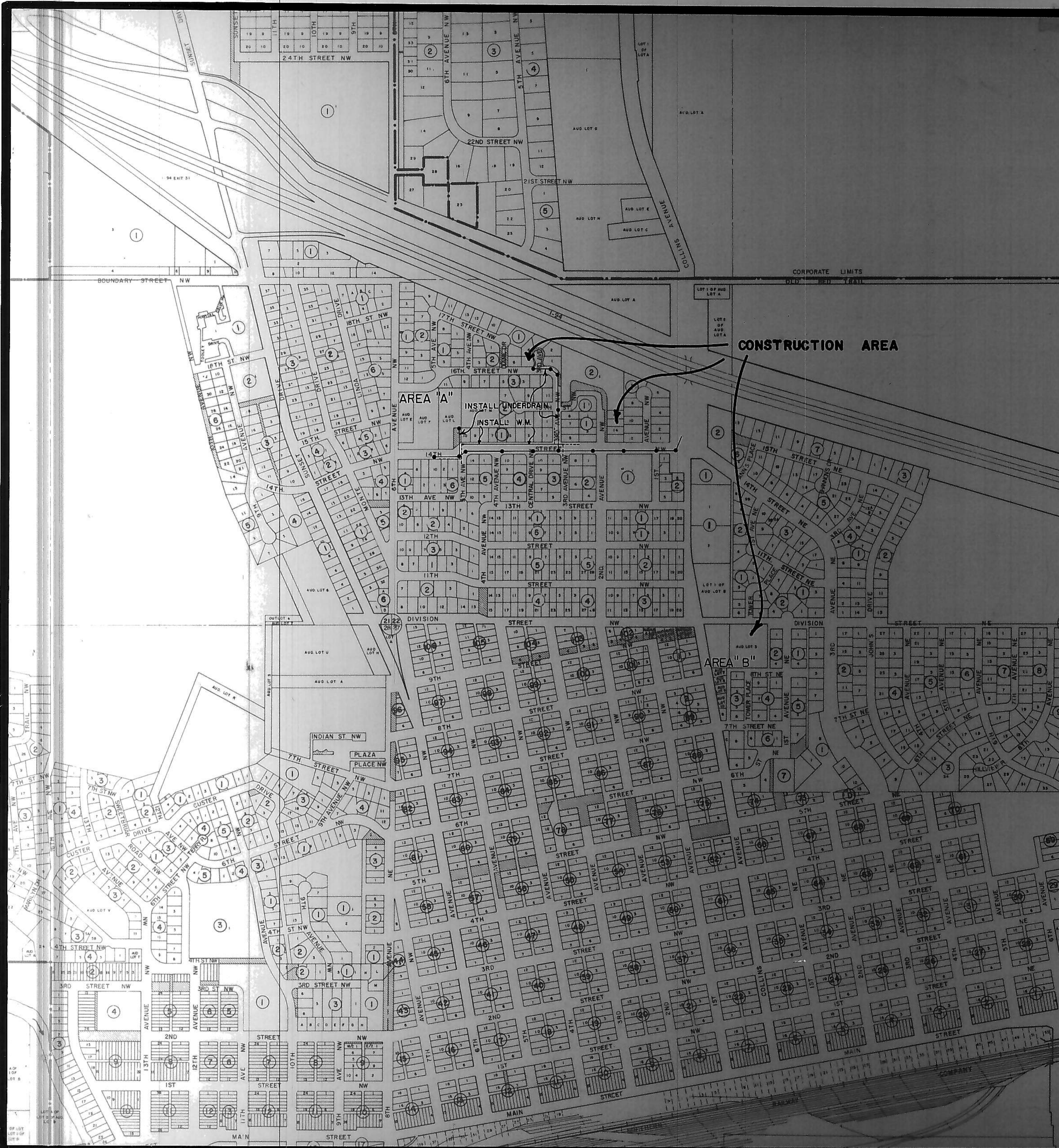


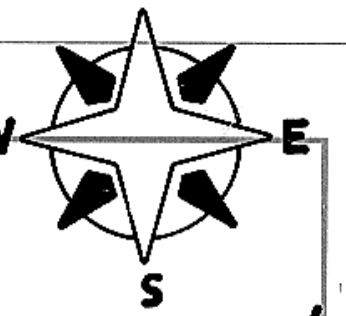
CITY OF MANDAN



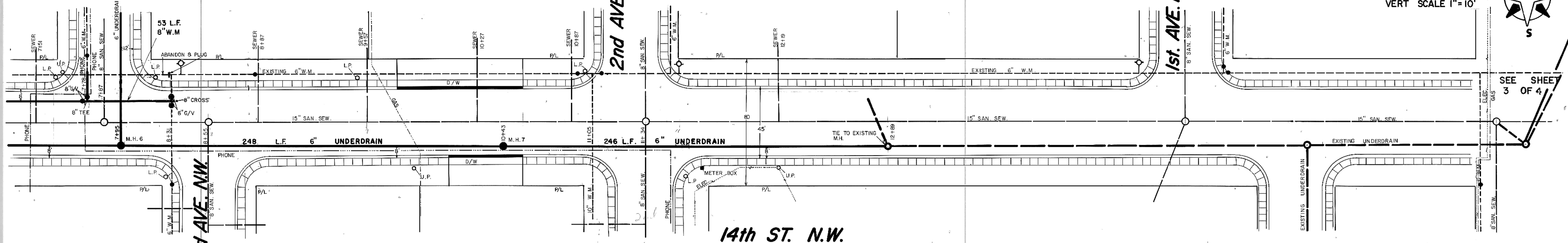
STREET IMPROVEMENT DISTRICT No. 84 PROJECT 90-10 (PHASE I)



HORZ SCALE 1"=30'
VERT SCALE 1"=10'

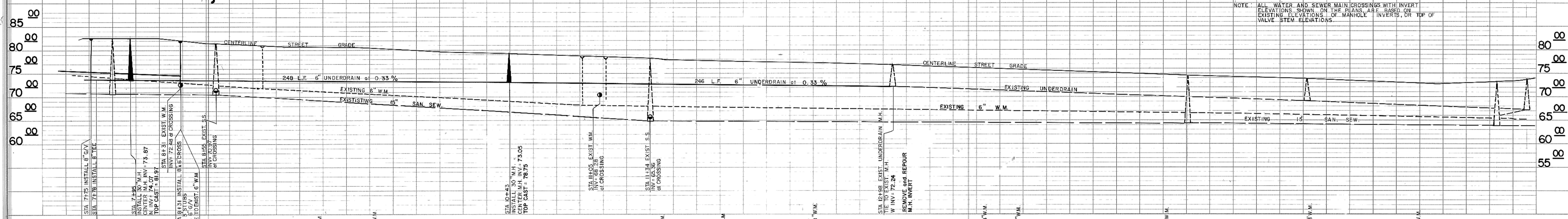


SEE SHEET 3 OF 4



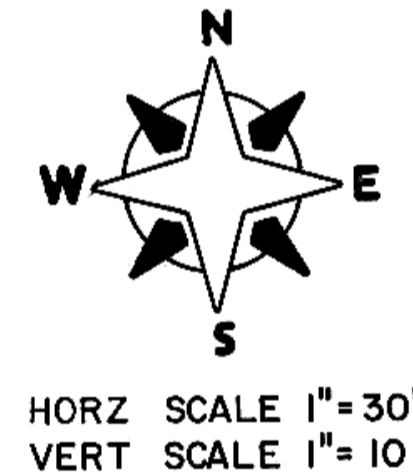
SEE SHEET 3 OF 4

DATE	
BY	
REVISION	
NO.	
PLAN	DESIGNED
NOTE BOOK	CHECKED
	BY
	DATE



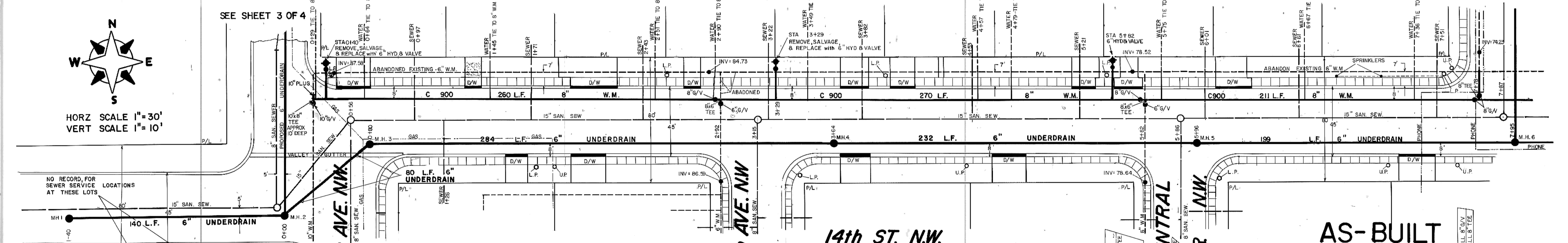
NOTE: ALL WATER AND SEWER MAIN CROSSINGS WITH INVERT ELEVATIONS SHOWN ON THE PLANS ARE BASED ON EXISTING ELEVATIONS OF MANHOLE INVERTS, OR TOP OF VALVE STEM ELEVATIONS.

DATE	
BY	
REVISION	
NO.	
PROFILE	DESIGNED
NOTE BOOK	CHECKED
	BY
	DATE

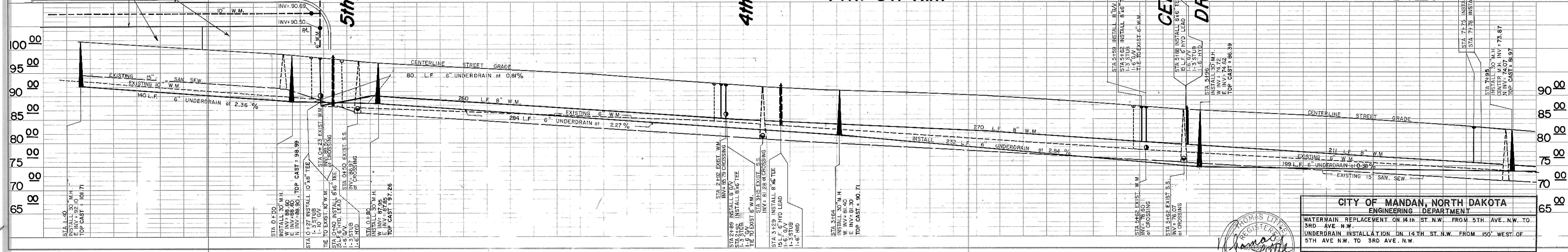


HORZ SCALE 1"=30'
VERT SCALE 1"=10'

SEE SHEET 3 OF 4



AS-BUILT



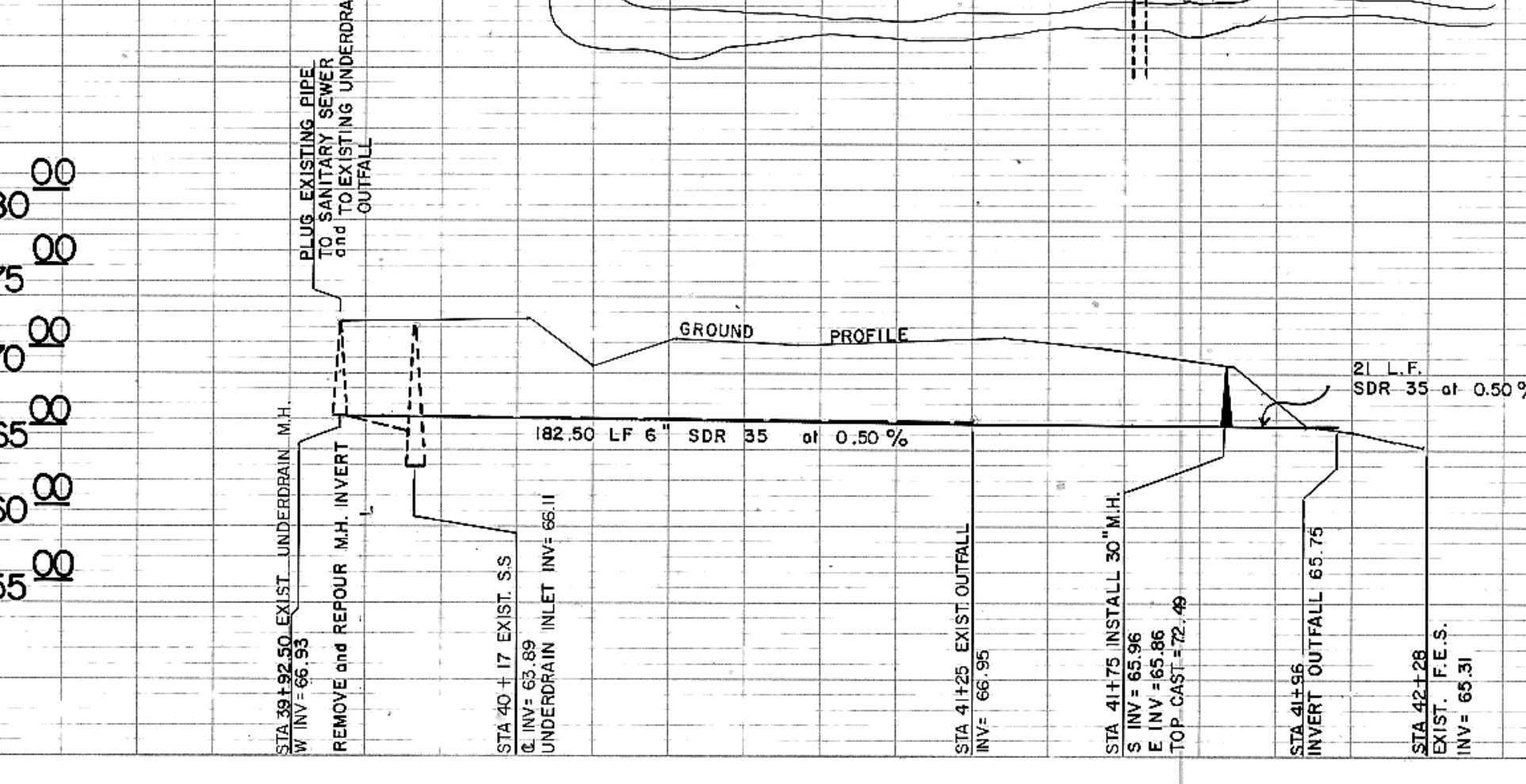
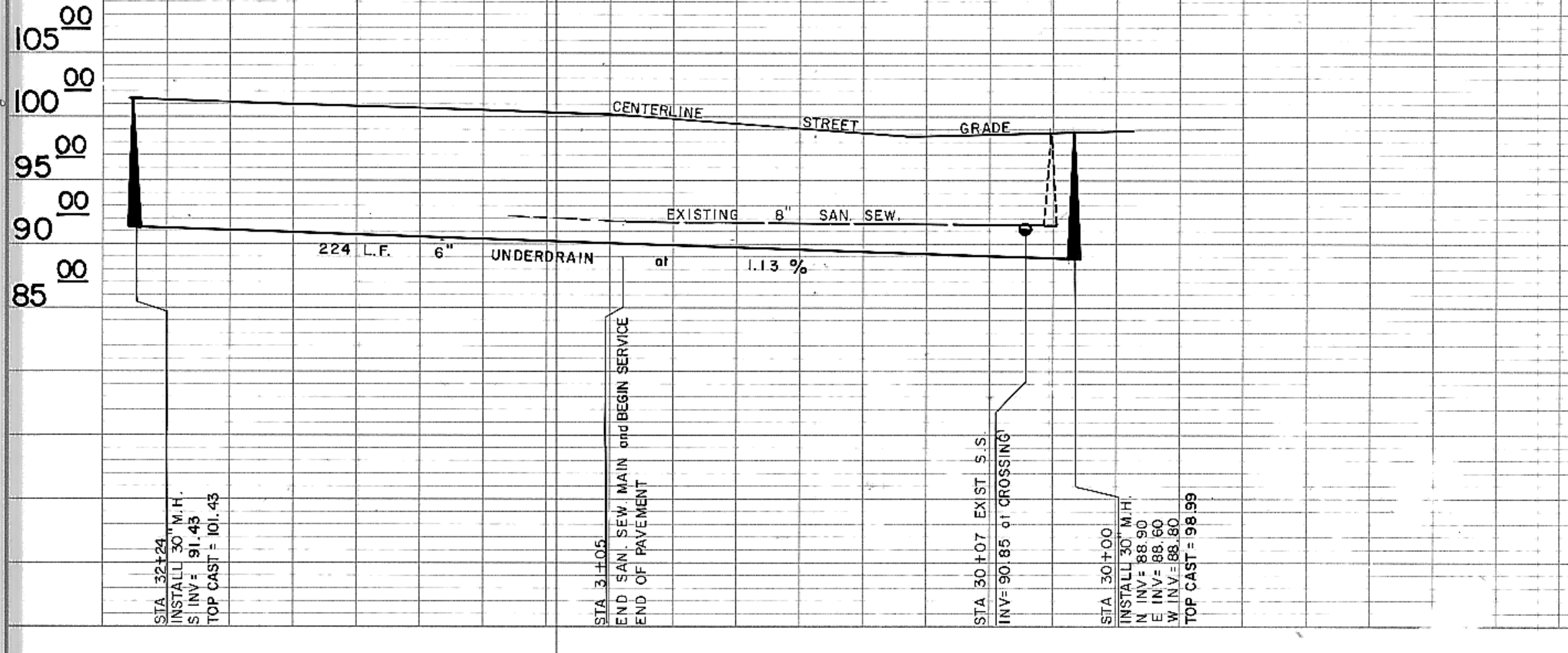
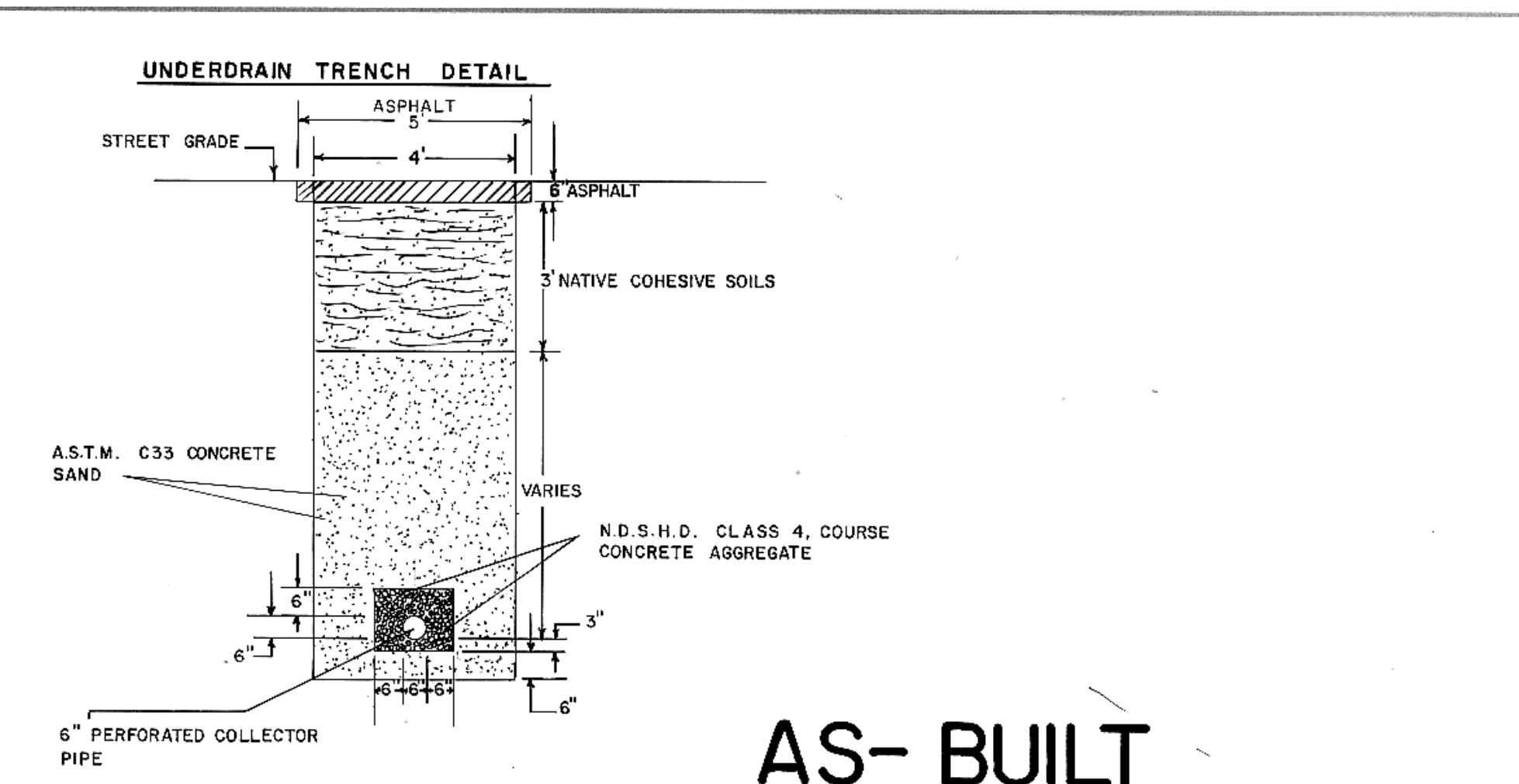
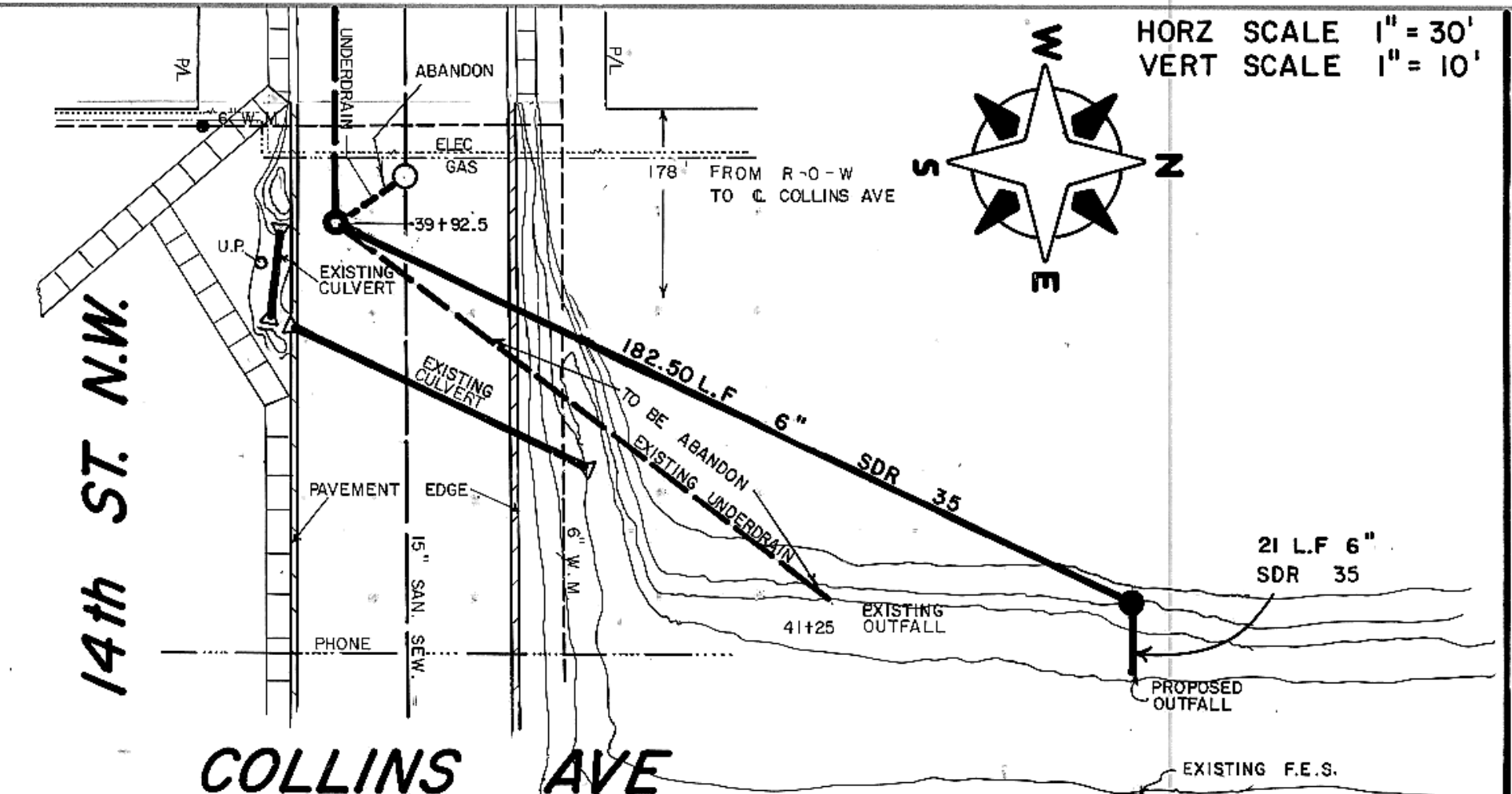
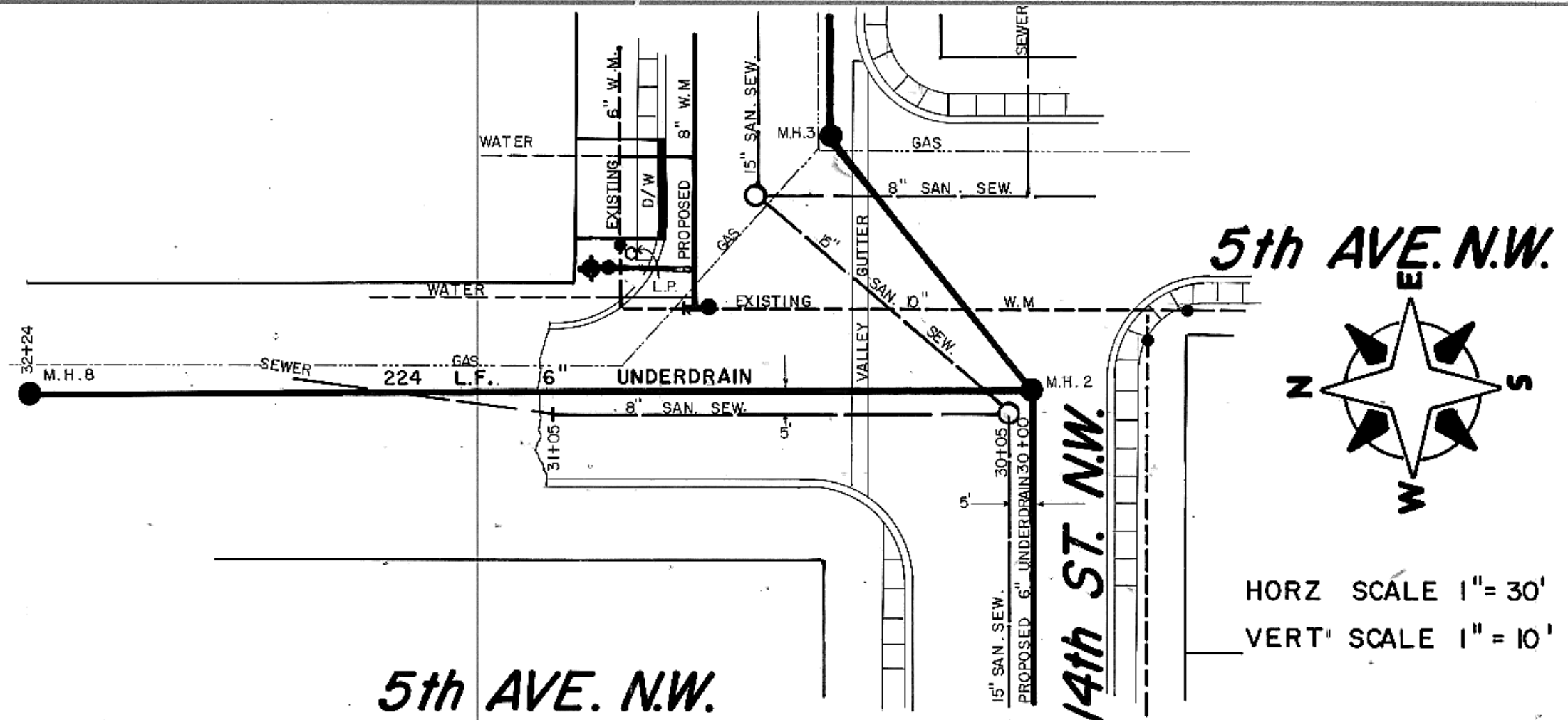
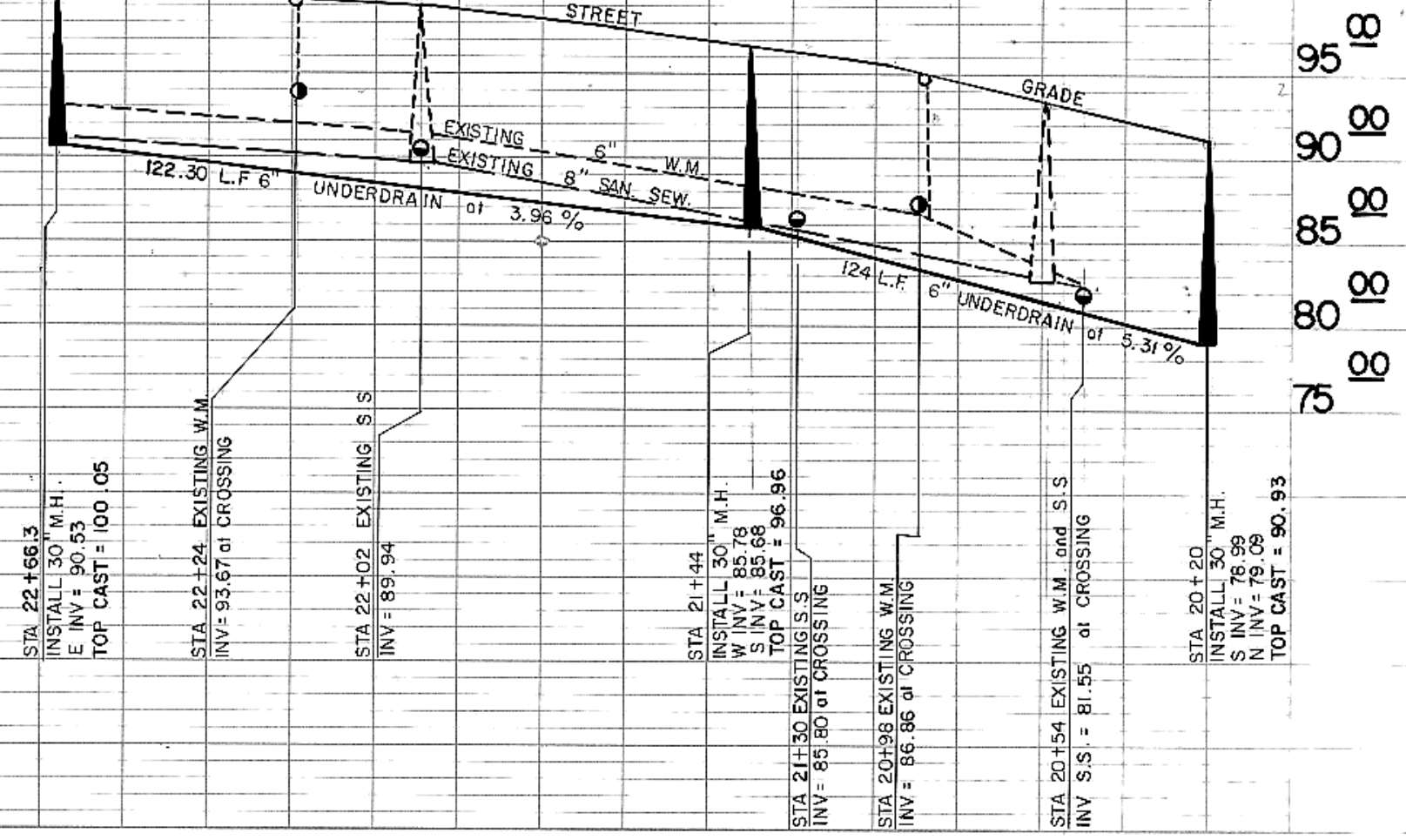
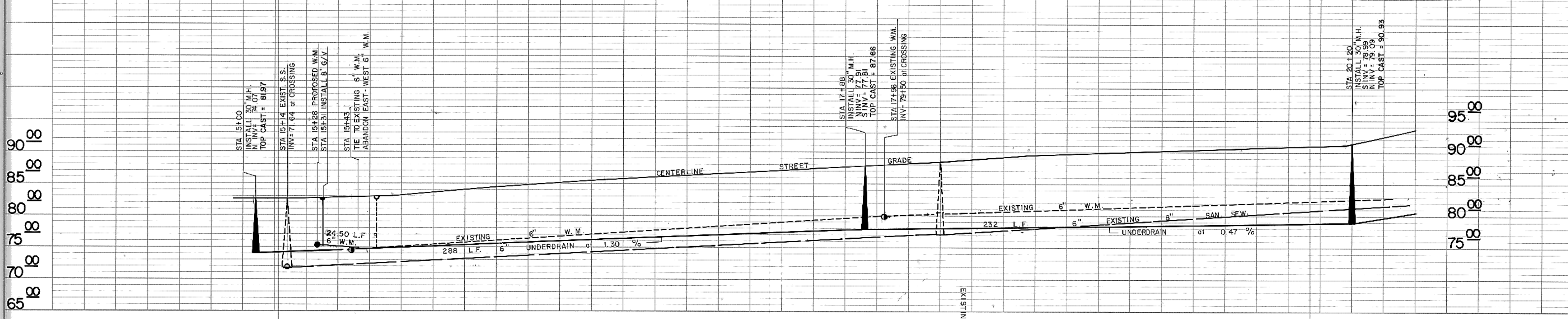
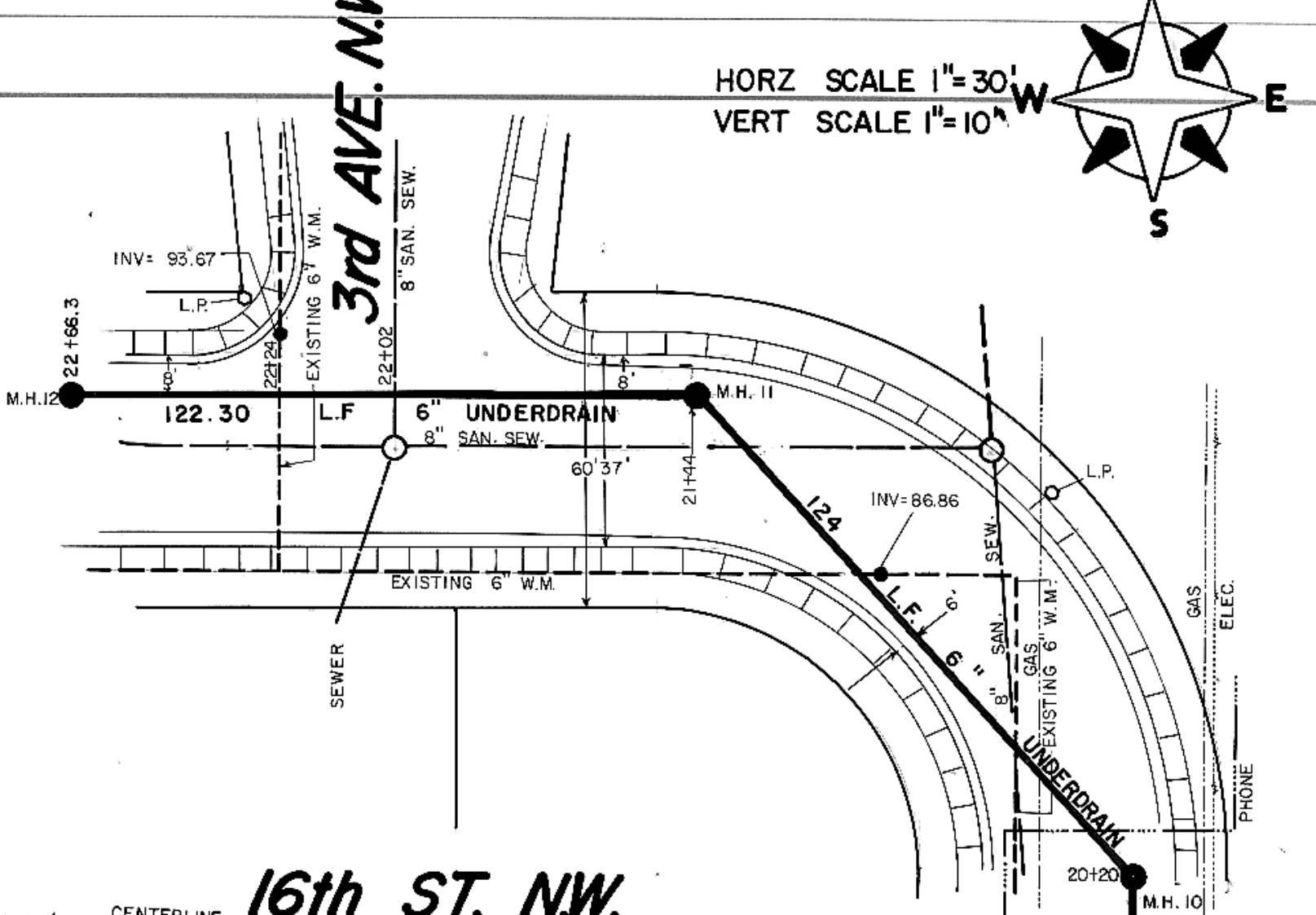
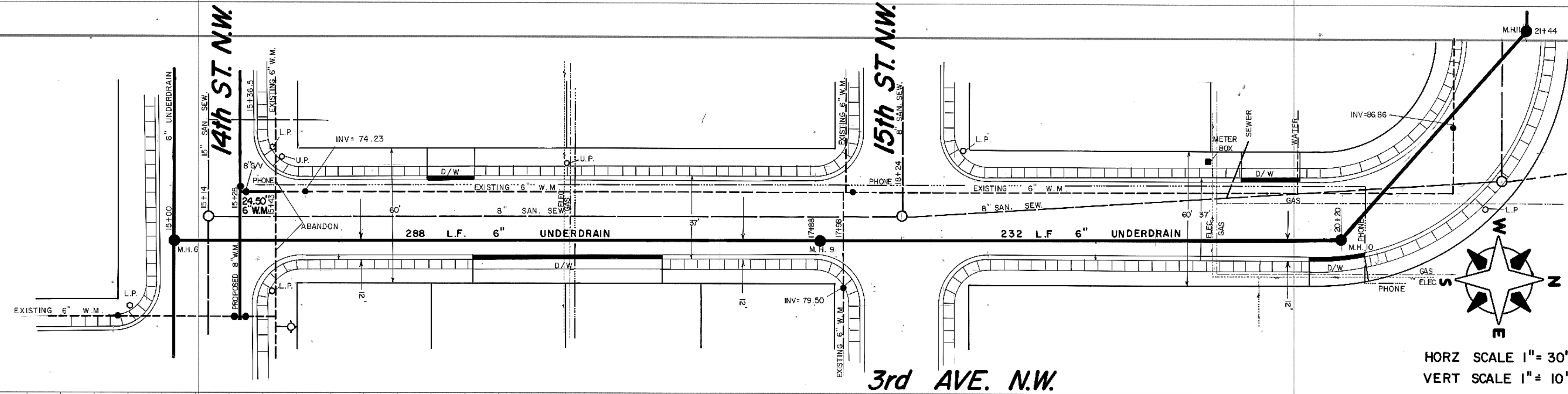
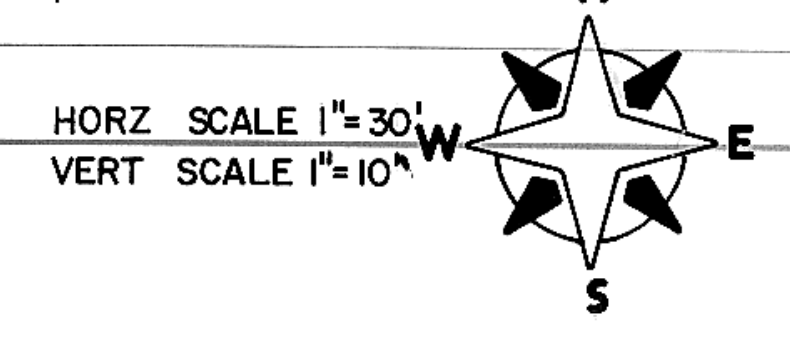
CITY OF MANDAN, NORTH DAKOTA
ENGINEERING DEPARTMENT

WATERMAIN REPLACEMENT ON 14th ST. N.W. FROM 5th AVE. N.W. TO 3rd AVE. N.W.
UNDERDRAIN INSTALLATION ON 14th ST. N.W. FROM 150' WEST OF 5th AVE. N.W. TO 3rd AVE. N.W.

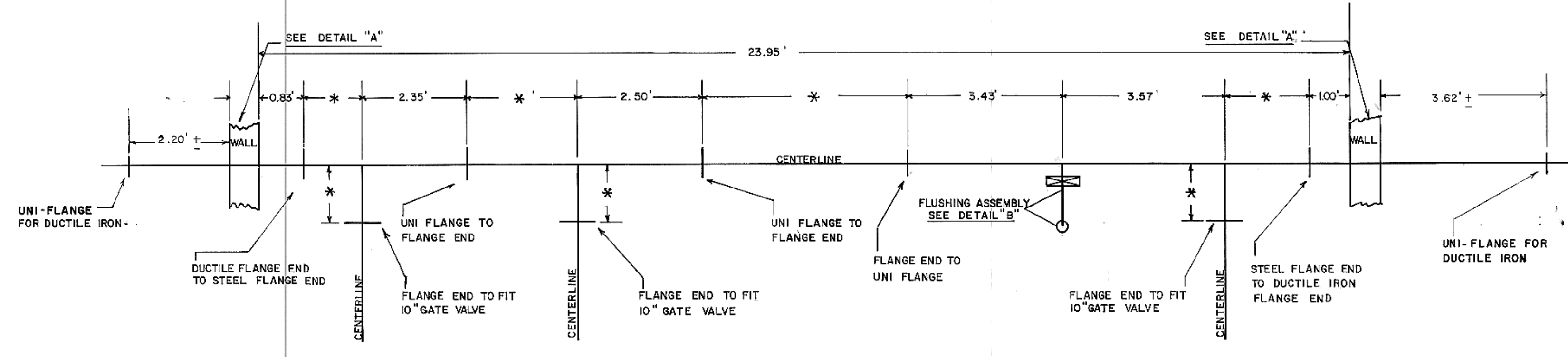
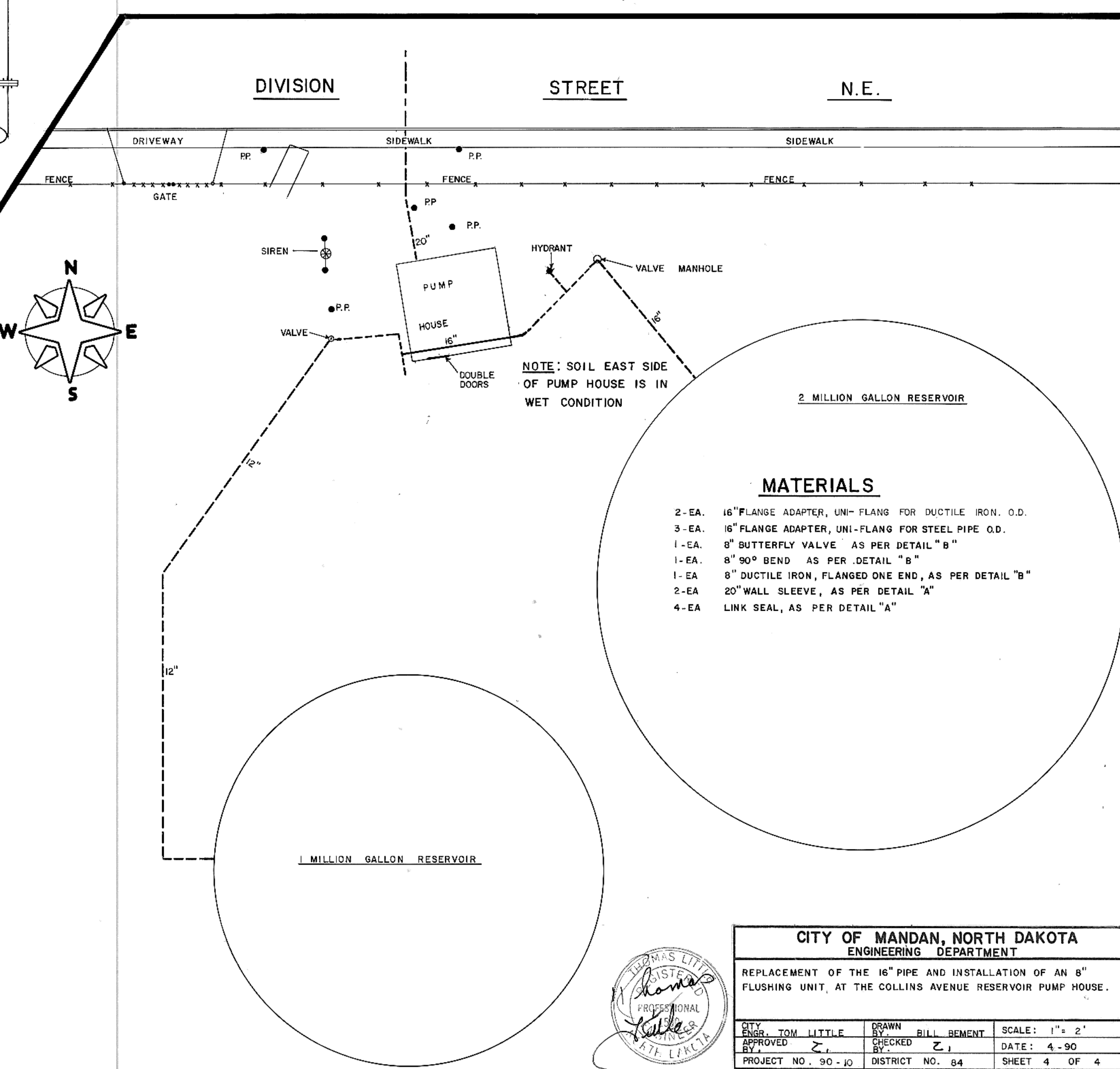
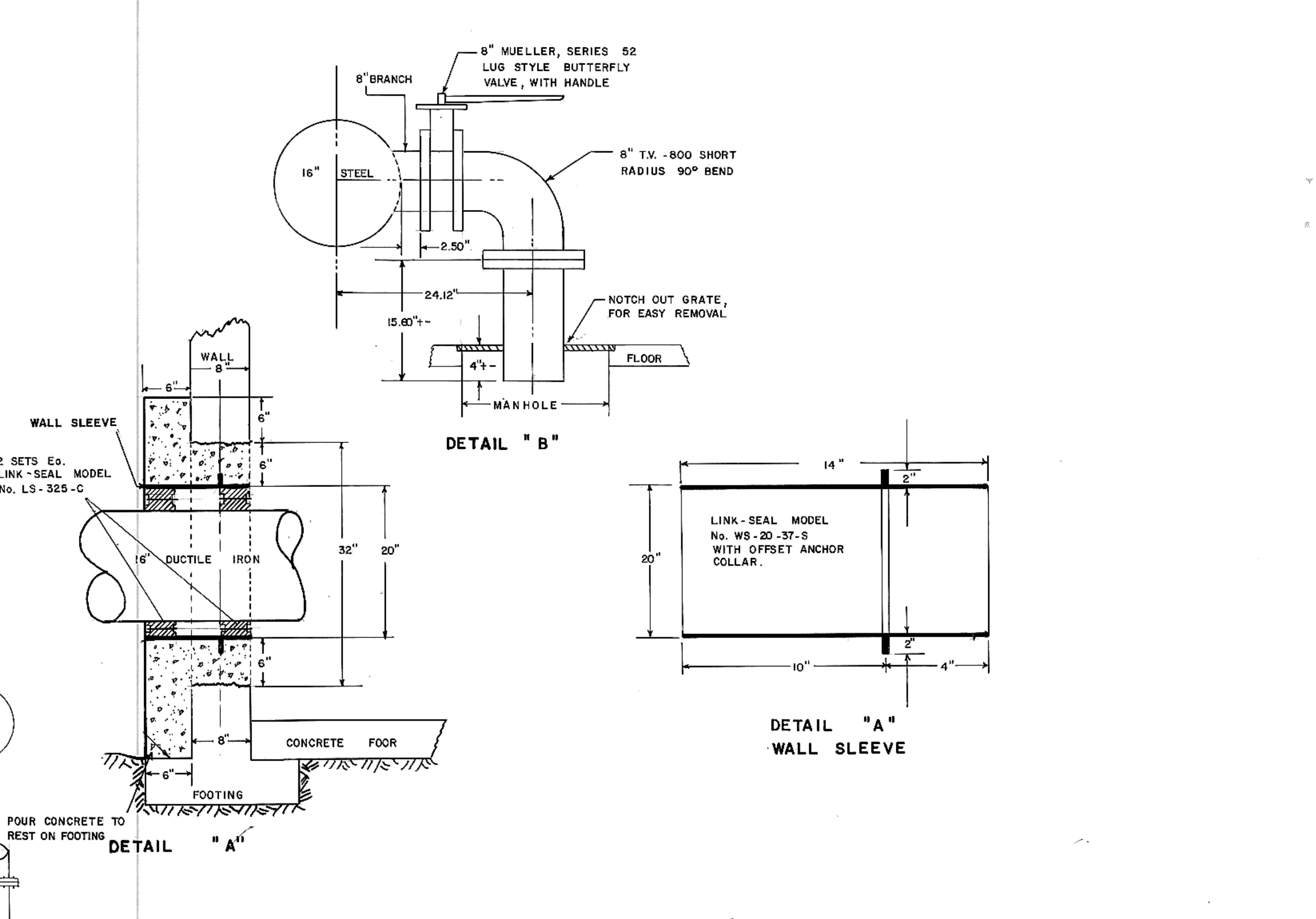
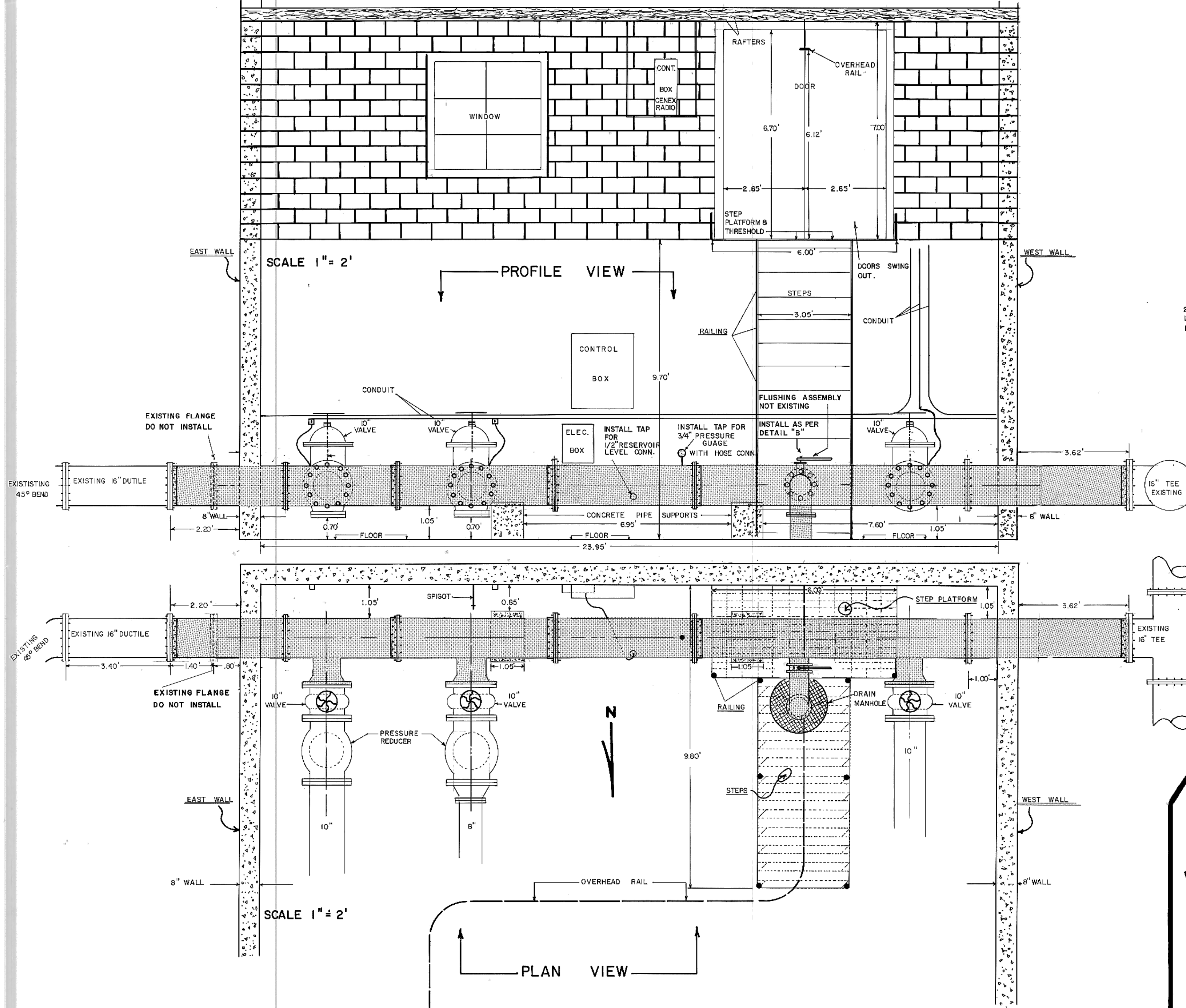
CITY	TOM LITTLE	DRAWN	BILL BEMENT	SCALE:	1"=30'
APPROVED	[Signature]	CHECKED	[Signature]	DATE:	4-90
PROJECT NO.	90-10	DISTRICT NO.	84	SHEET	2 OF 4

PLAN
 SURVEYED
 PLOTTED
 NOTE BOOK
 ALIGNMENT CHECKED
 BY: []
 DATE: []
 NO. []

PROFILE
 SURVEYED
 PLOTTED
 NOTE BOOK
 GAUGES CHECKED
 STRONG FOUNDATIONS CHECKED
 BY: []
 DATE: []
 NO. []



CITY OF MANDAN, NORTH DAKOTA ENGINEERING DEPARTMENT			
UNDERDRAIN INSTALLATION ON 3RD AVE. N.W. ON 5TH AVE. N.W. FROM 14TH ST. N.W. NORTH 224' AND 175' ALONG COLLINS AVE.			
CITY ENGR. APPROVED BY: []	ENGR. TOM LITTLE	DRAWN BY: []	BILL BEMENT
CHECKED BY: []		DATE: 4-90	SCALE: 1" = 30'
PROJECT NO. 90-10	DISTRICT NO. 84	SHEET 3 OF 4	



NOTE: * CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND DIMENSIONS PRIOR TO ORDERING MATERIAL

CITY OF MANDAN, NORTH DAKOTA
ENGINEERING DEPARTMENT

REPLACEMENT OF THE 16" PIPE AND INSTALLATION OF AN 8" FLUSHING UNIT, AT THE COLLINS AVENUE RESERVOIR PUMP HOUSE.

CITY ENGR. TOM LITTLE	DRAWN BILL BEMENT	SCALE: 1" = 2'
APPROVED BY [Signature]	CHECKED BY [Signature]	DATE: 4-90
PROJECT NO. 90-10	DISTRICT NO. 84	SHEET 4 OF 4