

NORTH WICHITA INDUSTRIAL PARK STORM DRAINAGE IMPROVEMENTS

FOR THE CITY OF:

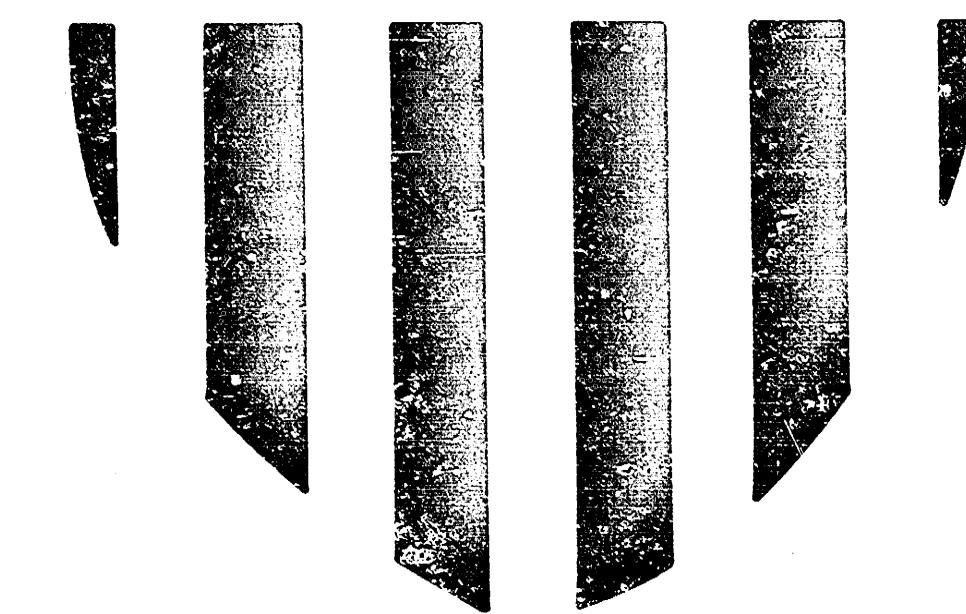
WICHITA, KANSAS

PART I & PART III CONSTRUCTION

INDEX TO DRAWINGS

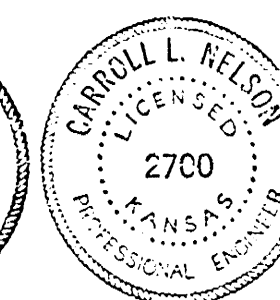
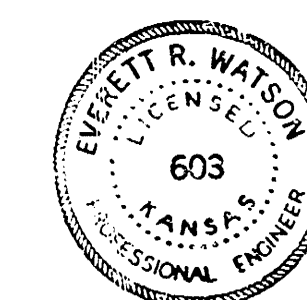


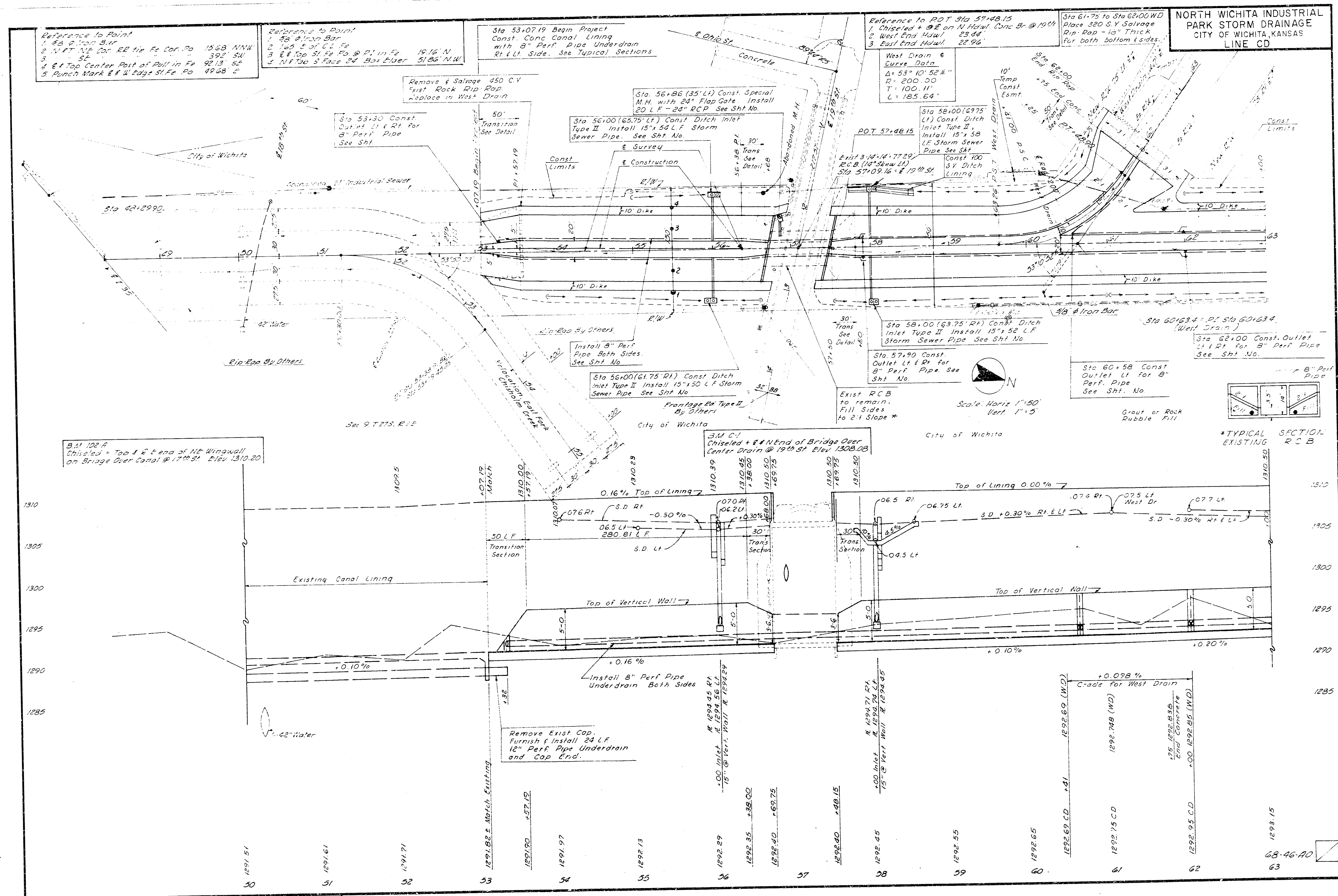
ALL-AMERICA CITY

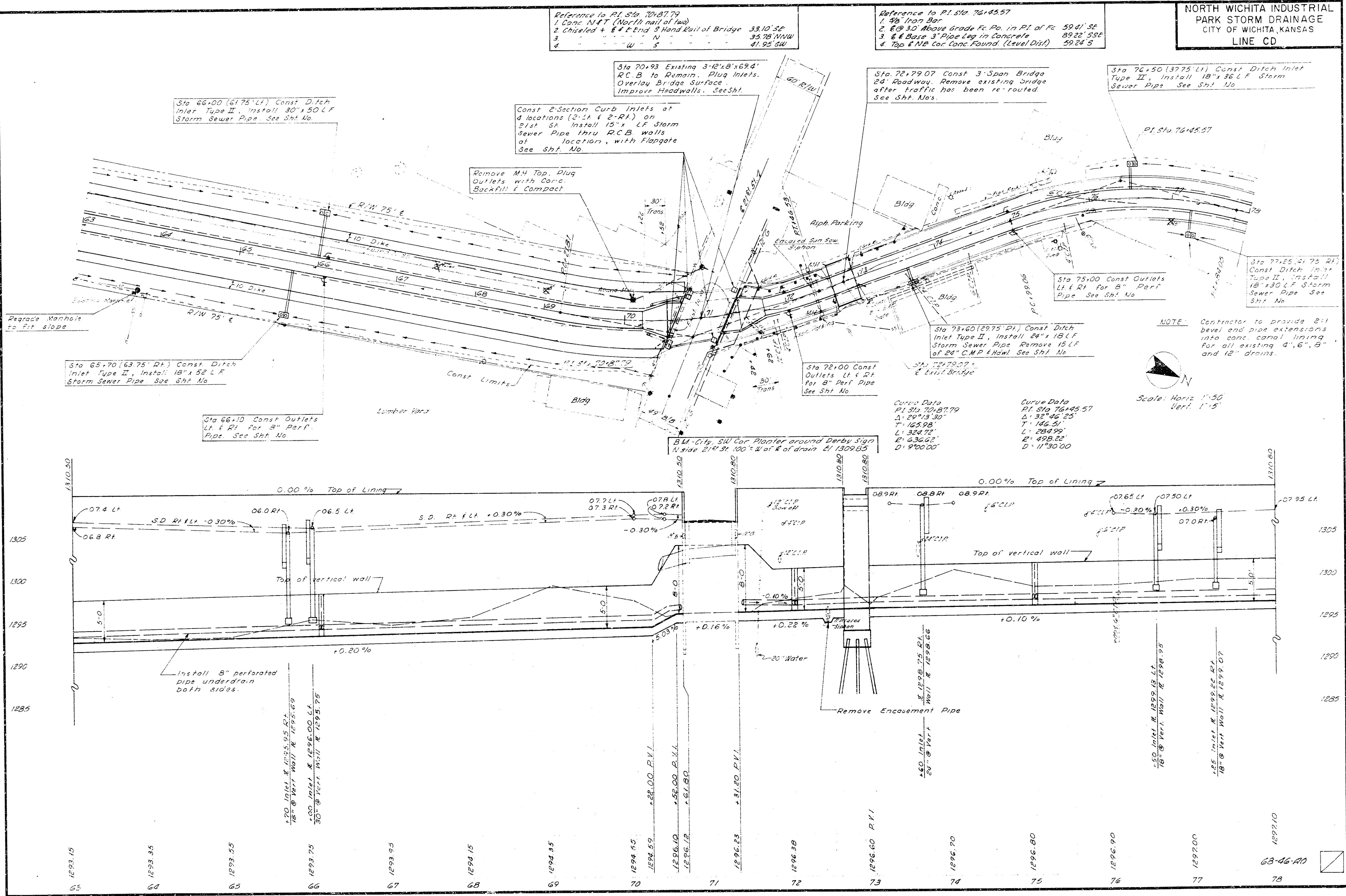


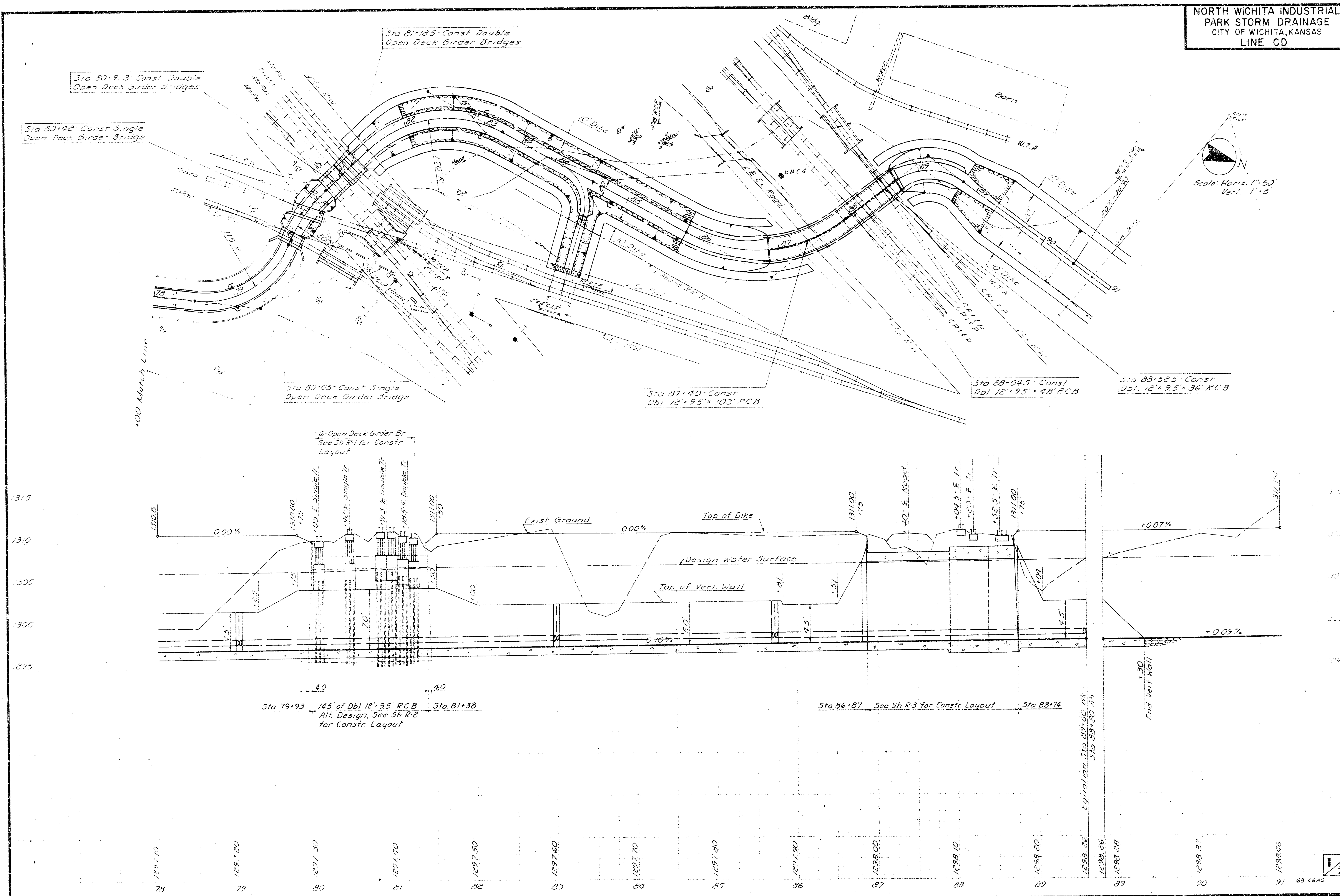
Van Doren • Hazard • Stallings • Schnacke
Engineers • Architects
Topeka, Kansas

Job no. 068 • 46 • AO









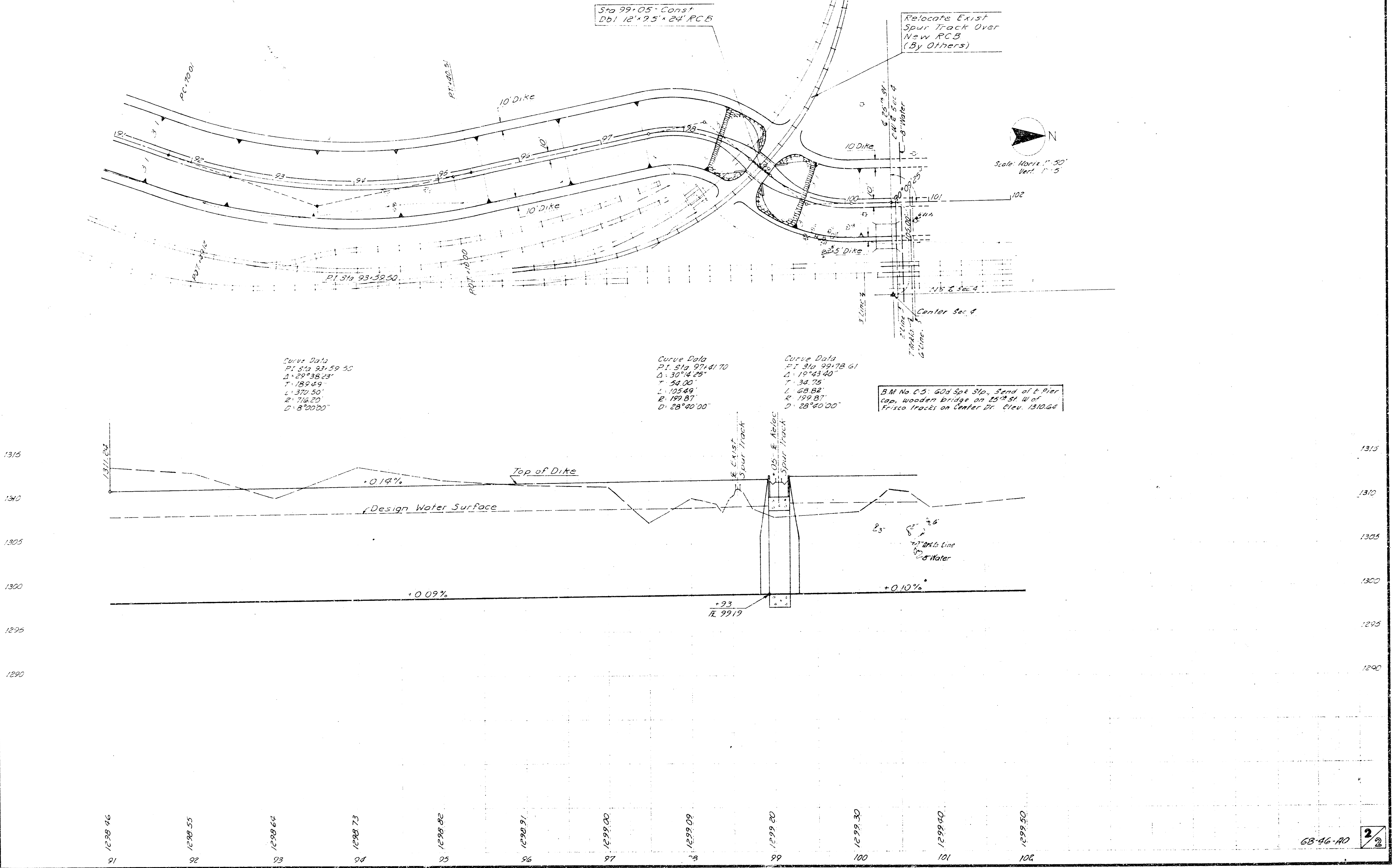
References Not Available For
 P.O.T. Sta. 97+49.12
 P.T. Sta. 98+59.50
 P.O.T. Sta. 98+19.22

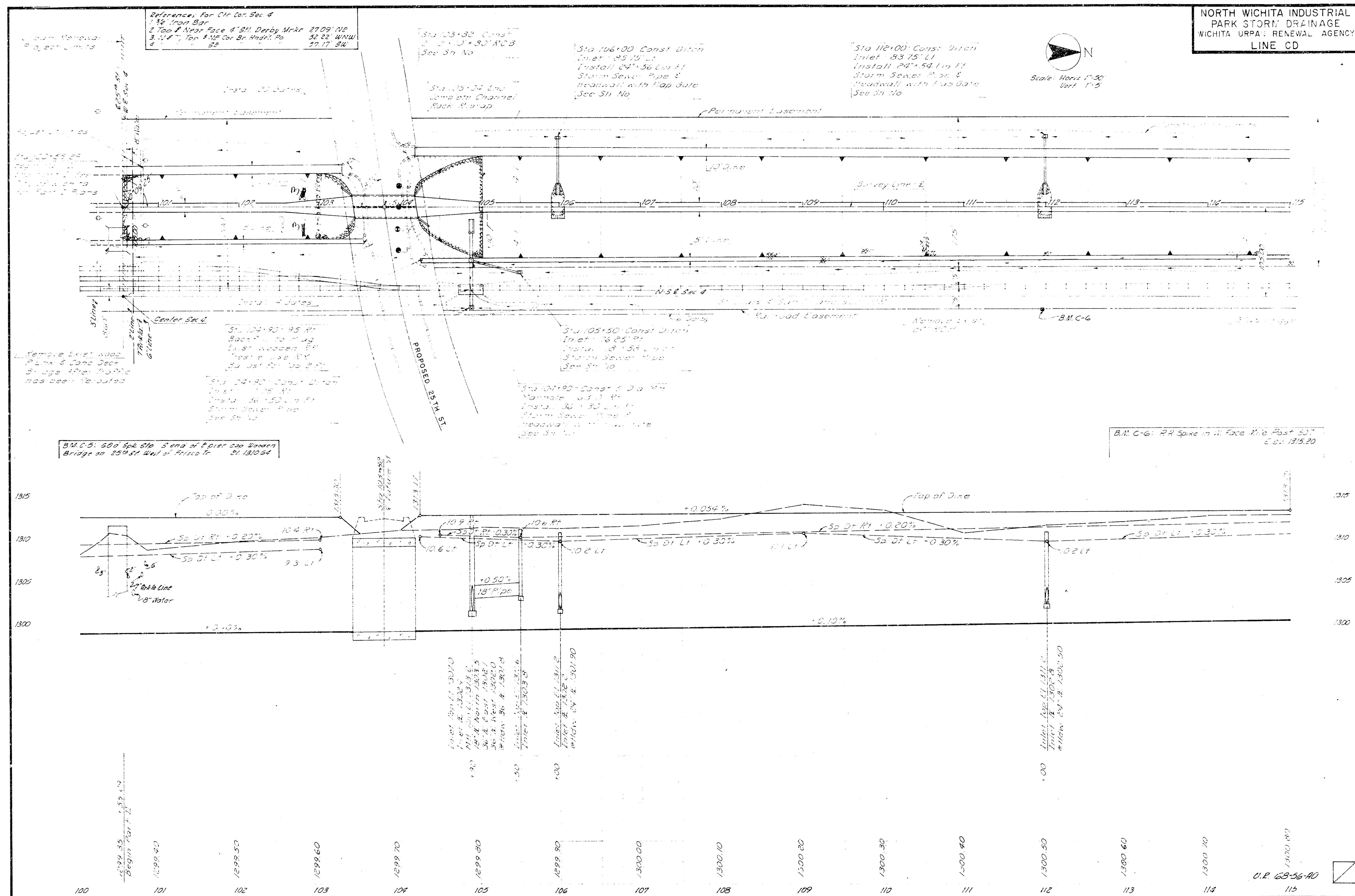
Ref. to P.T. Sta. 97+41.70
 1 30' Iron Bar
 2 NKT in Top Handrail of R.R. br
 3 1/4" SW Cor. R.R. br. handrail
 4 Top of SW Cor. of R. wheel stop on Wading

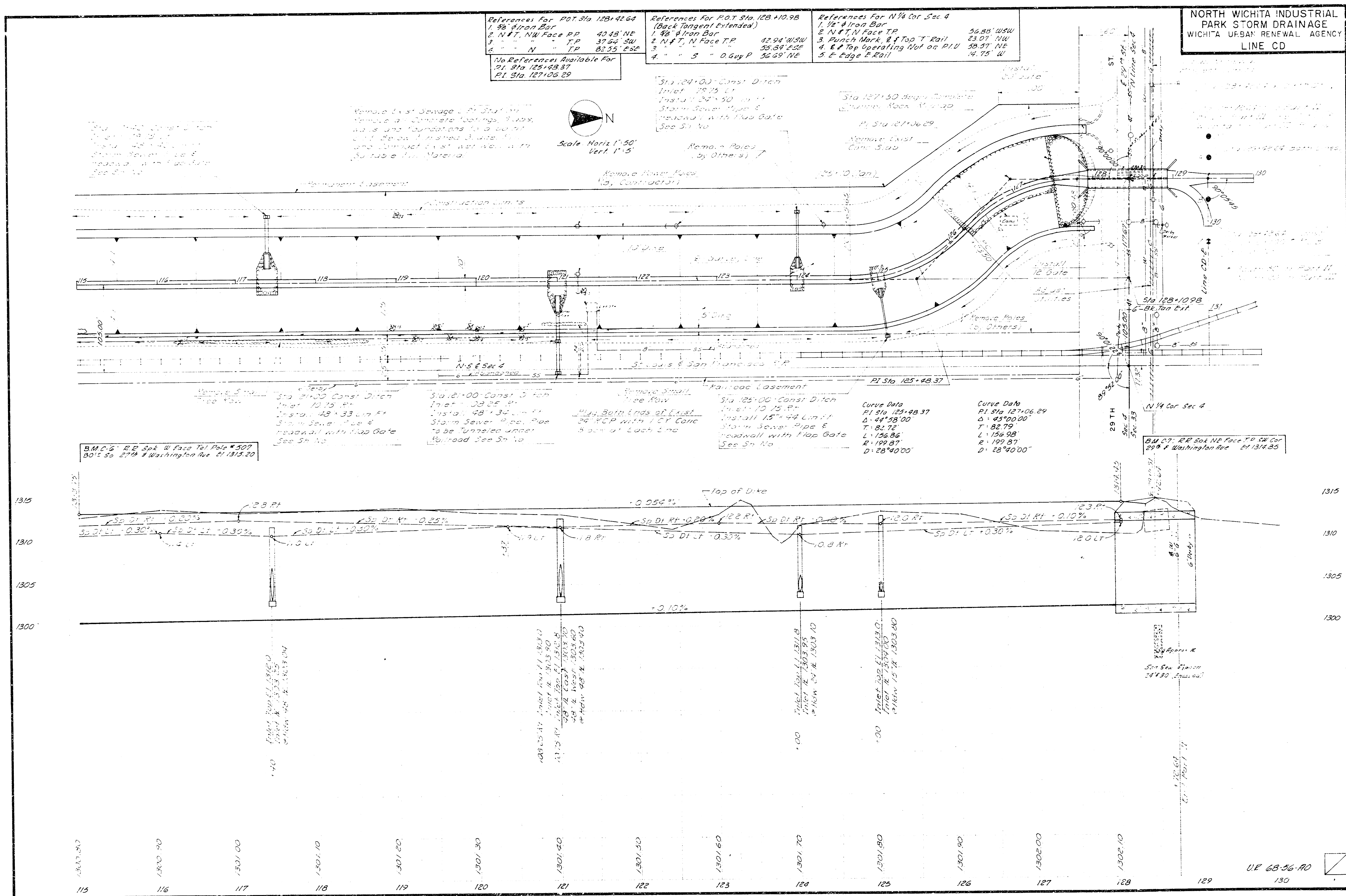
Ref. to P.T. Sta. 99+19.61
 1 30' Iron Bar
 2 NKT in SW face PP
 3 1/4" SW Cor. R.R. br. handrail post
 4 Top of SW Cor. of R. wheel stop on Wading

Ref. to Ctr. Co. Sec. 4
 1 30' Iron Bar
 2 Top of Near face of SH Derby Mkr.
 3 NKT NE Cor. br. handrail post
 4 1/4" SW Cor. of R. wheel stop on Wading

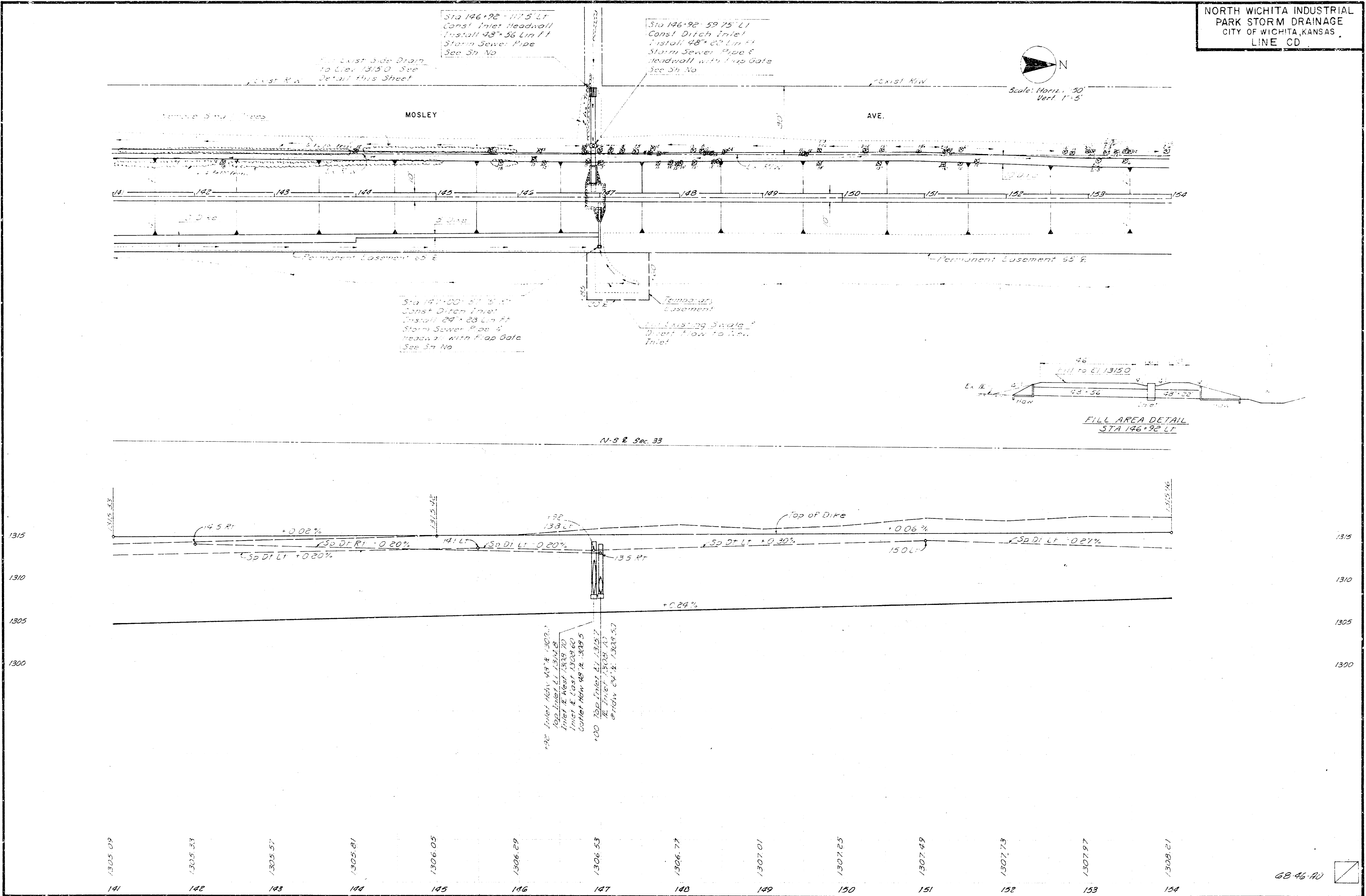
NORTH WICHITA INDUSTRIAL
 PARK STORM DRAINAGE
 CITY OF WICHITA, KANSAS
 LINE CD

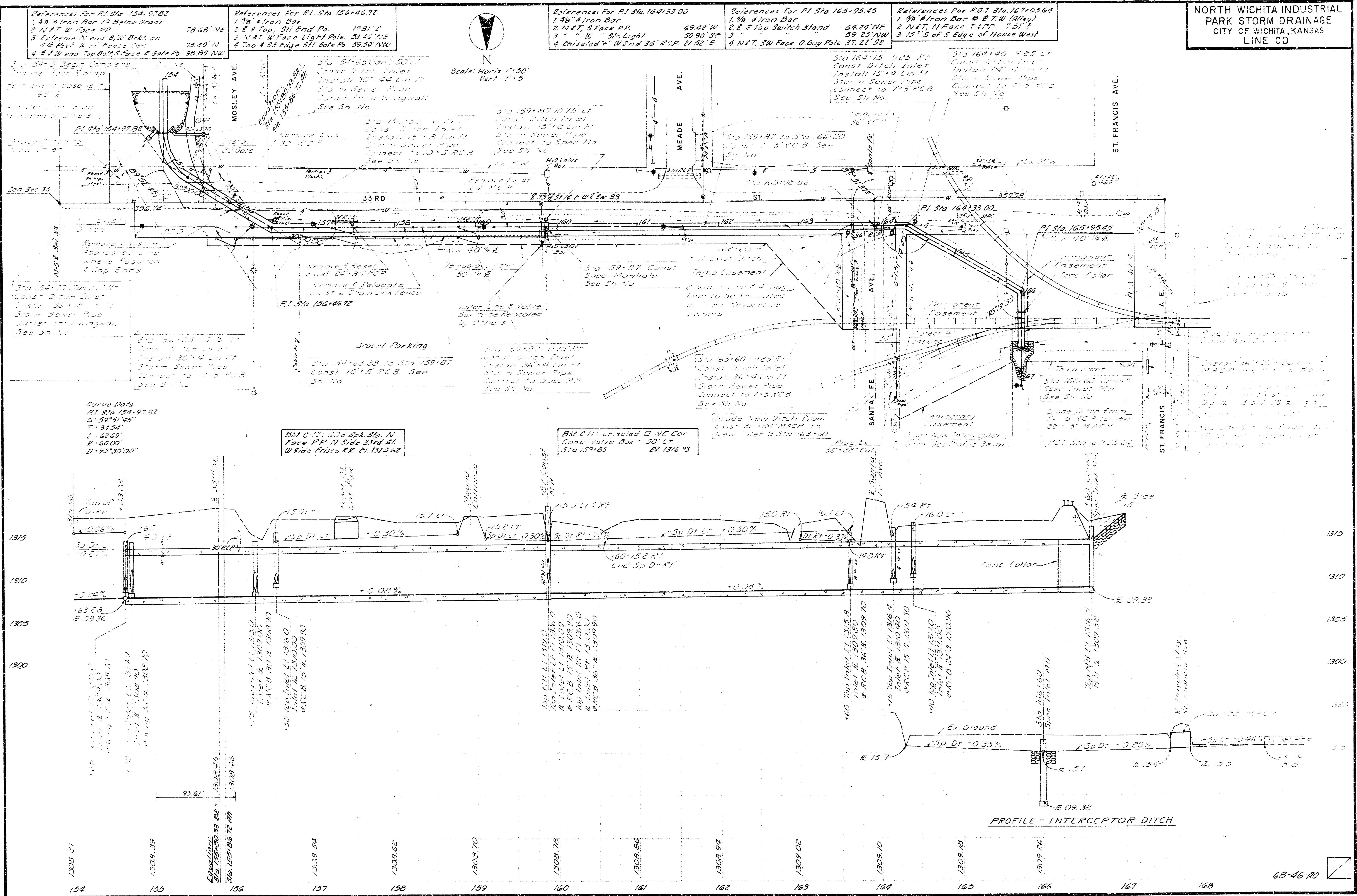




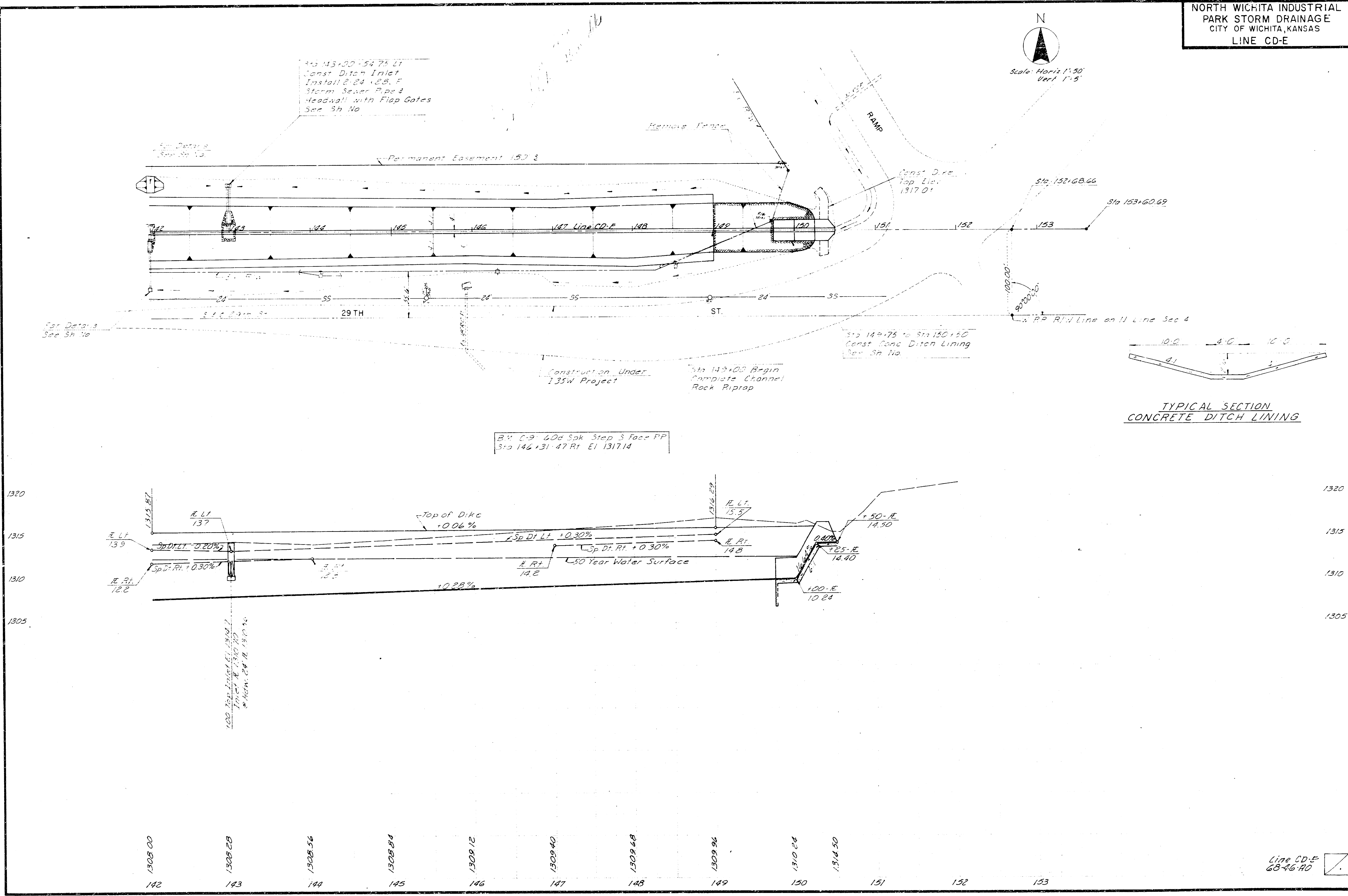
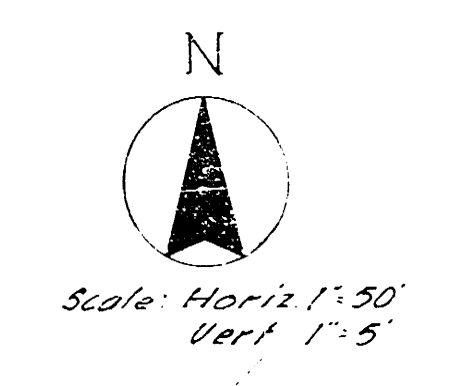


NORTH WICHITA INDUSTRIAL
PARK STORM DRAINAGE
CITY OF WICHITA, KANSAS
LINE CD

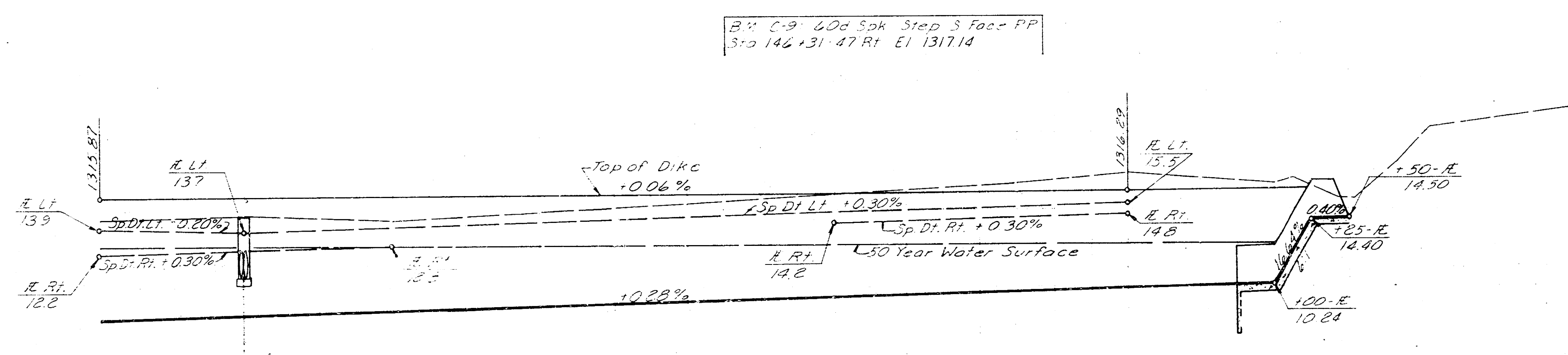




NORTH WICHITA INDUSTRIAL
PARK STORM DRAINAGE
CITY OF WICHITA, KANSAS
LINE CD-E

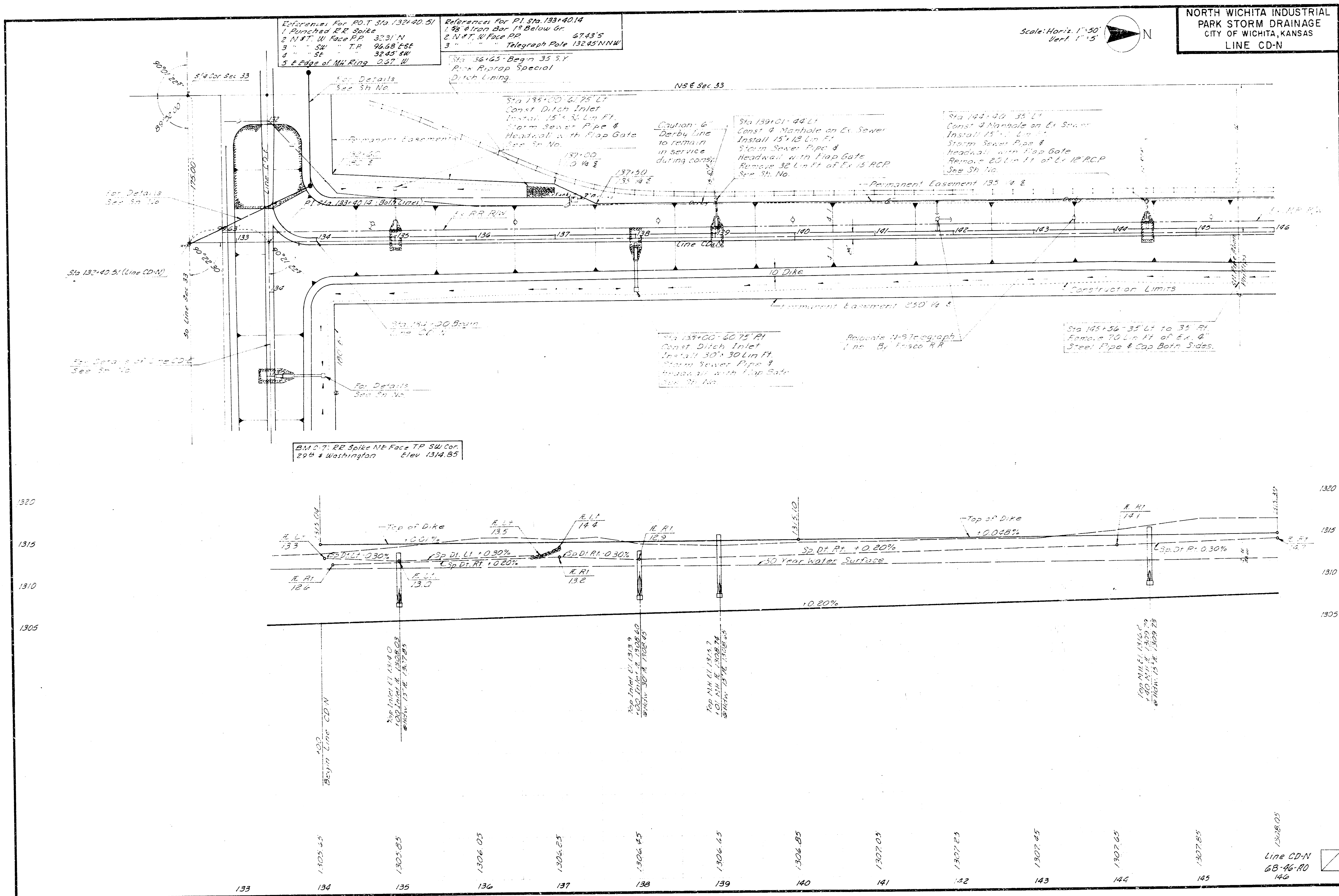


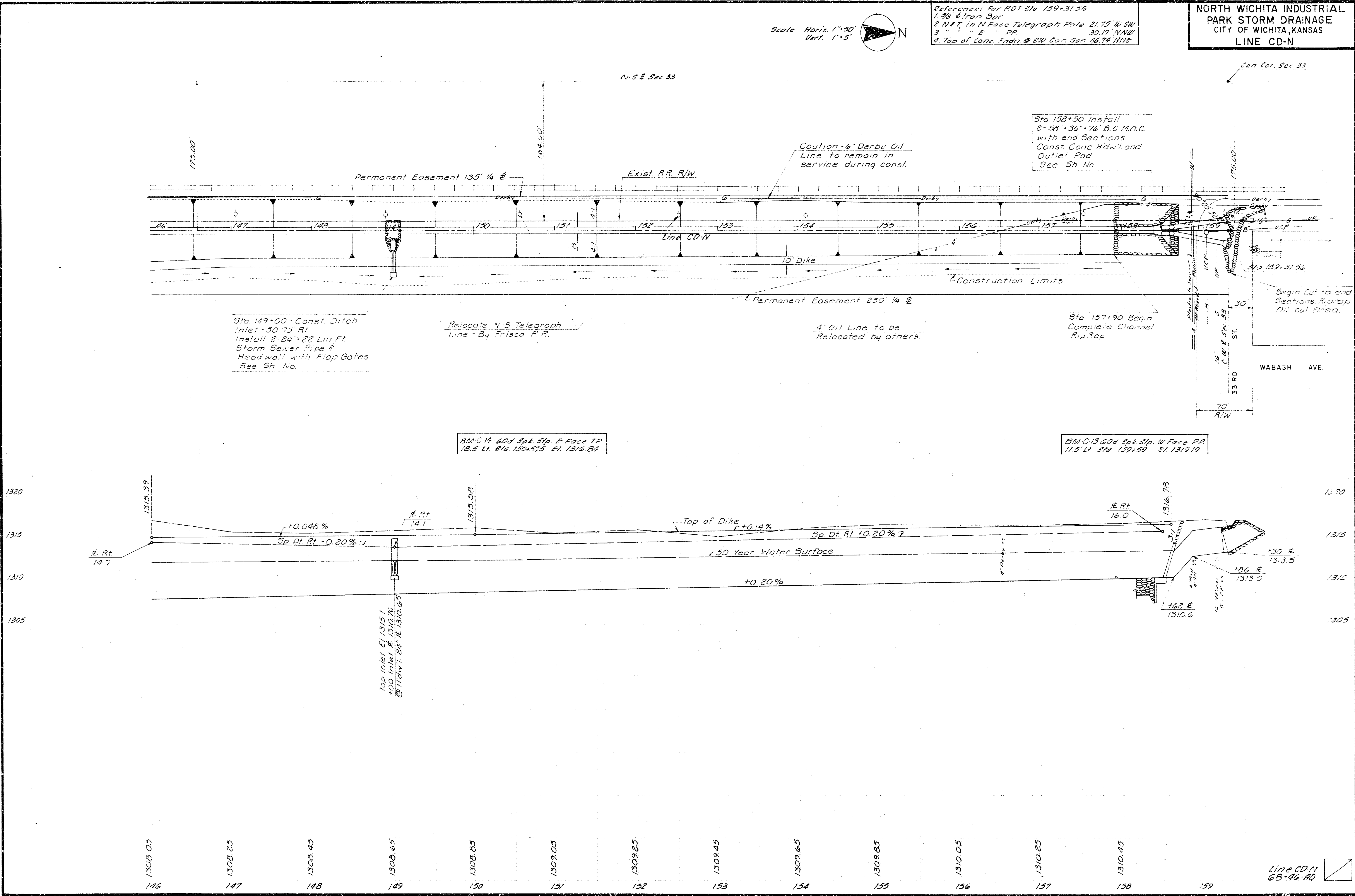
TYPICAL SECTION
CONCRETE DITCH LINING

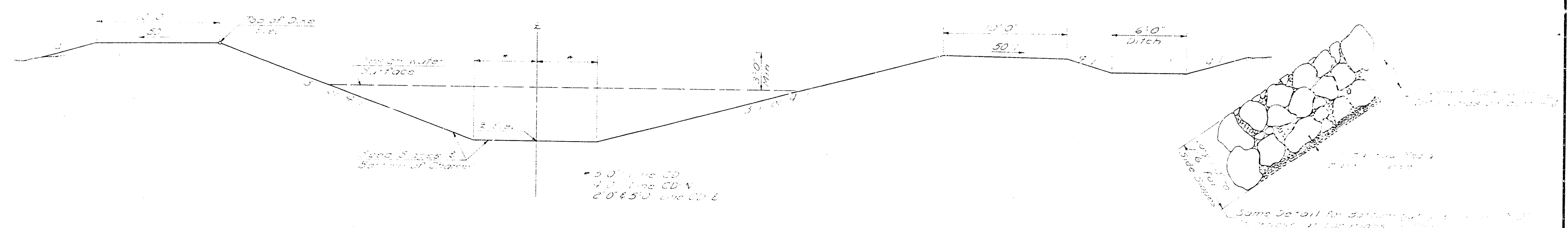


B.V. C-19 600 Sph. Step 3 Face PP
Sta 146+31.47 Rt. El. 1317.14

Line CD-E
68-46-40

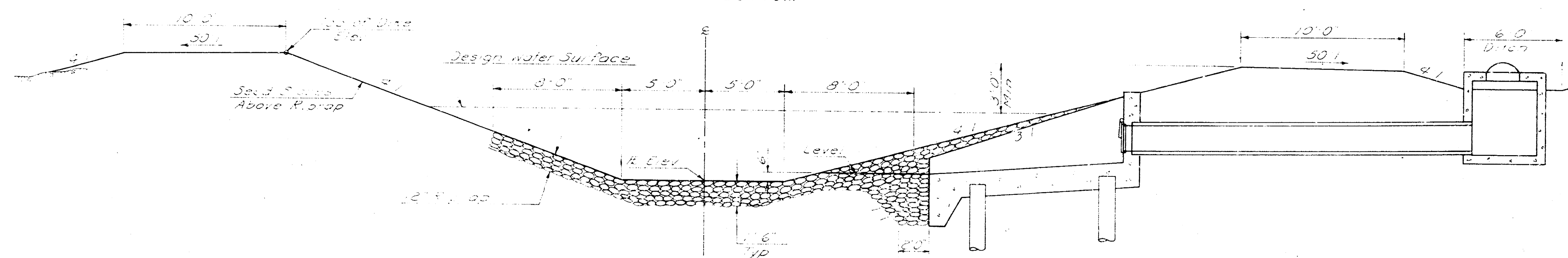




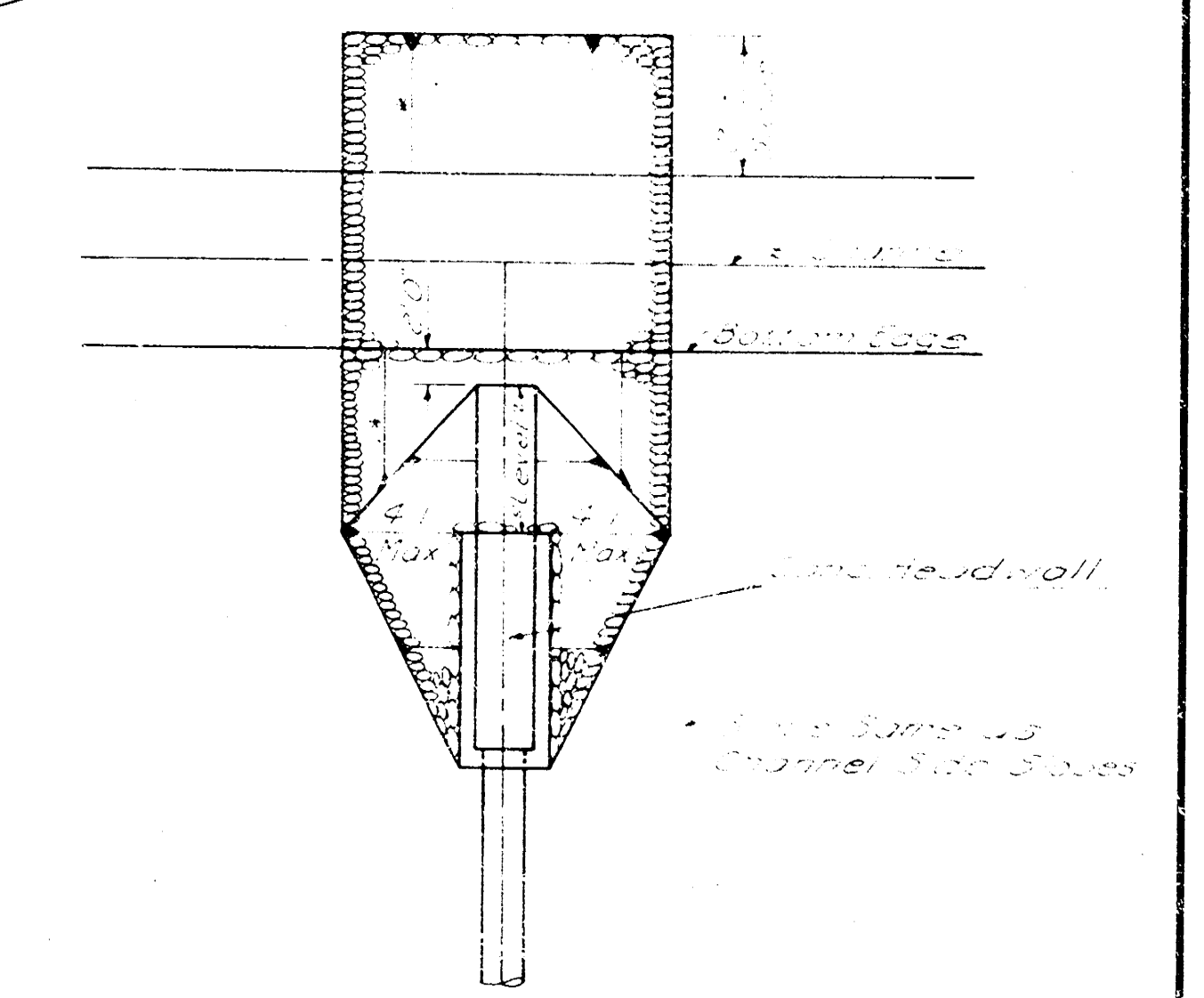


TYPICAL CHANNEL DETAILS
UNLINED BOTTOM

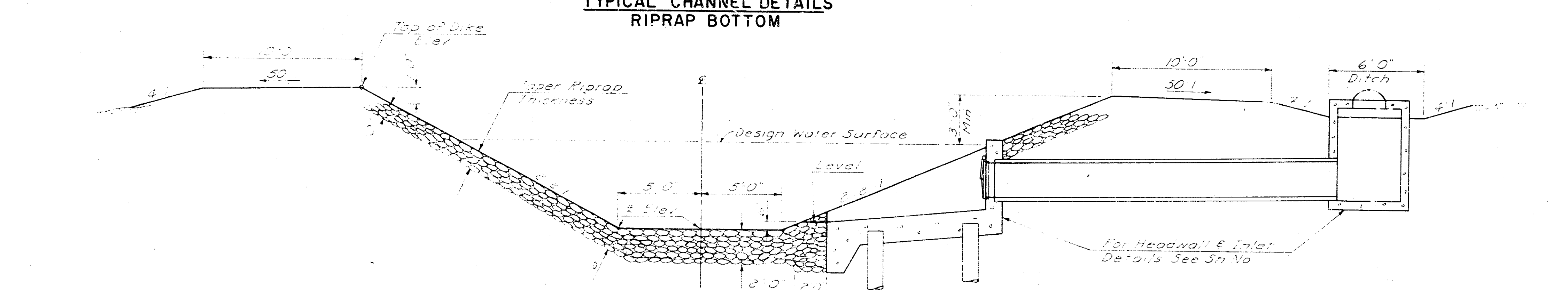
TYPICAL RIPRAP DETAILS



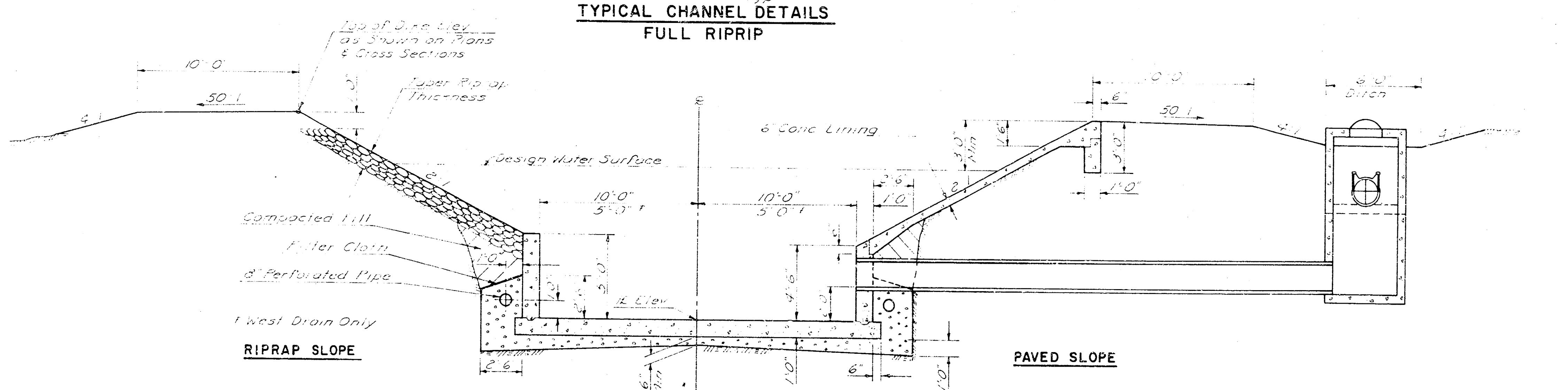
TYPICAL CHANNEL DETAILS
RIPRAP BOTTOM



DETAIL OF RIPRAP AT
HEADWALL OUTLET

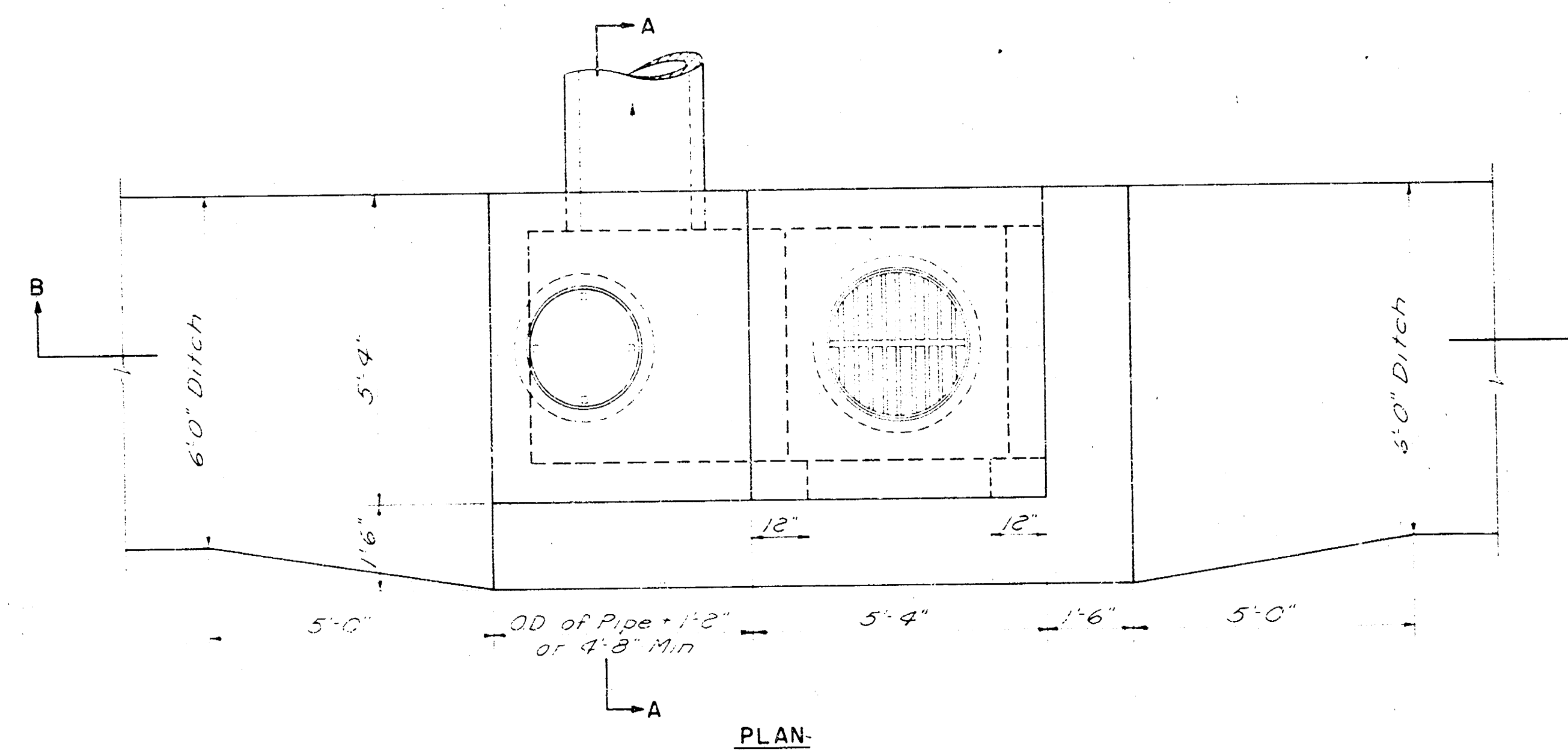


TYPICAL CHANNEL DETAILS
FULL RIPRAP

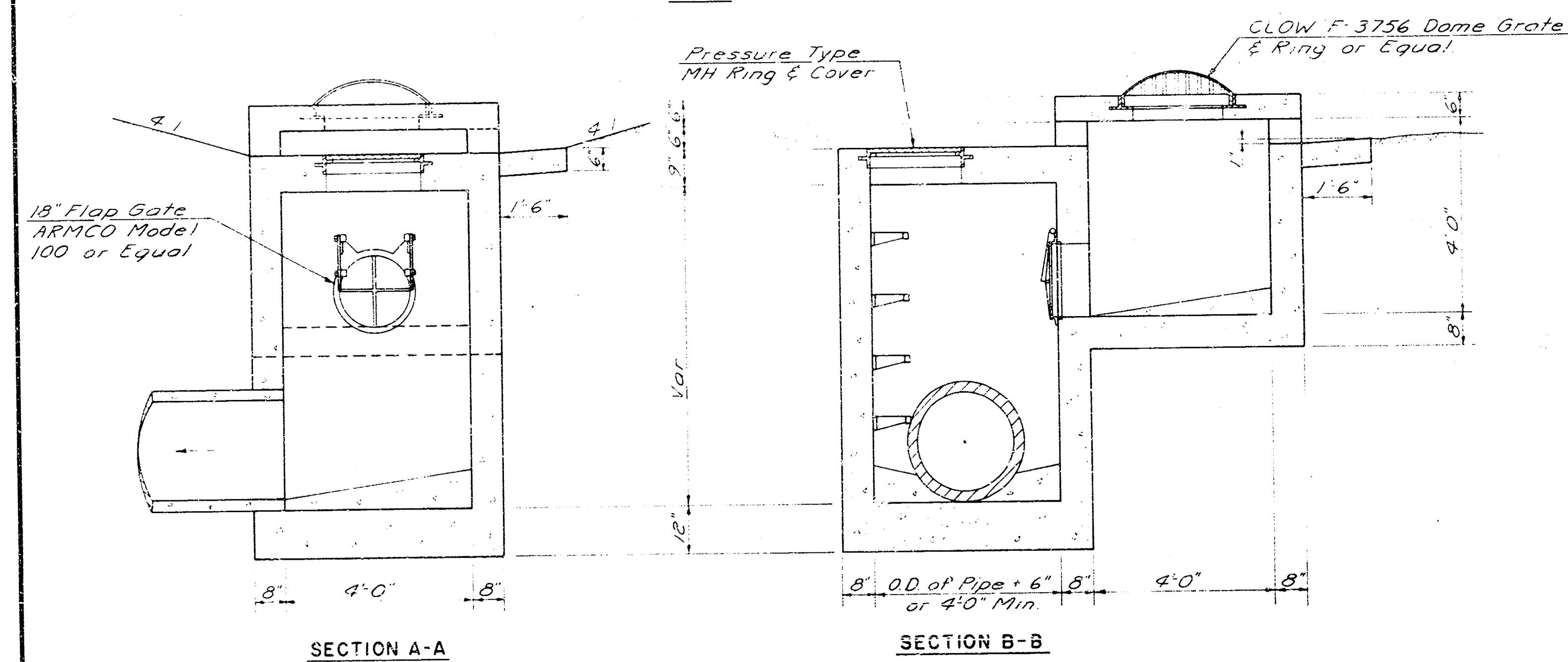


TYPICAL CHANNEL DETAILS
CONCRETE BOTTOM

DESIGN	NORTH WICHITA INDUSTRIAL
DR BY	PARK STORM DRAINAGE
CK BY	CITY OF WICHITA, KANSAS
DATE	TYPICAL CANAL LINING DETAILS
JOB NO	VAN DOREN-HAZARD-STALLINGS-SCHNACKE
	ENGINEERS-ARCHITECTS . . . TOPERA, KANSAS
	SHEET
	OF



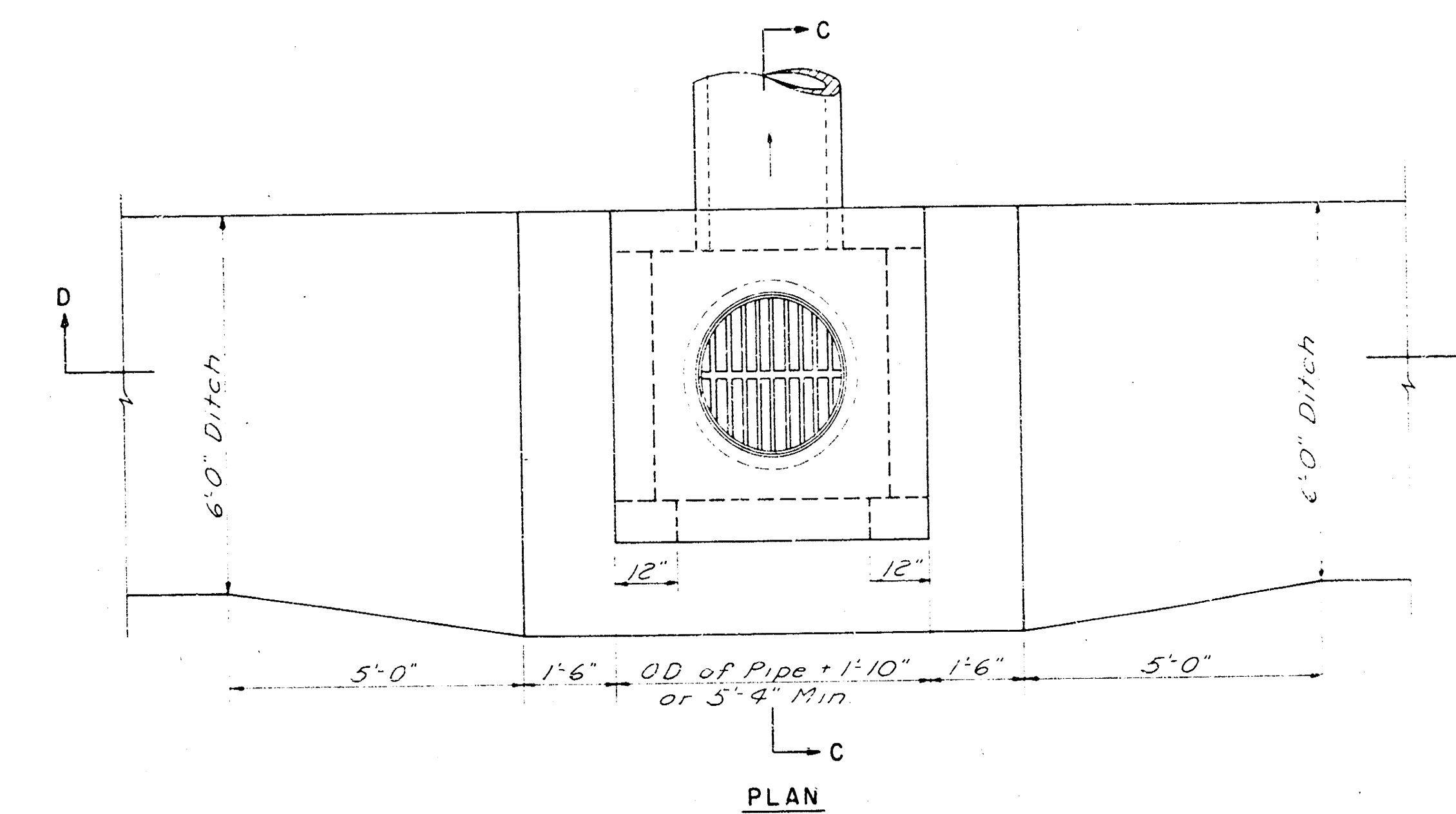
PLAN



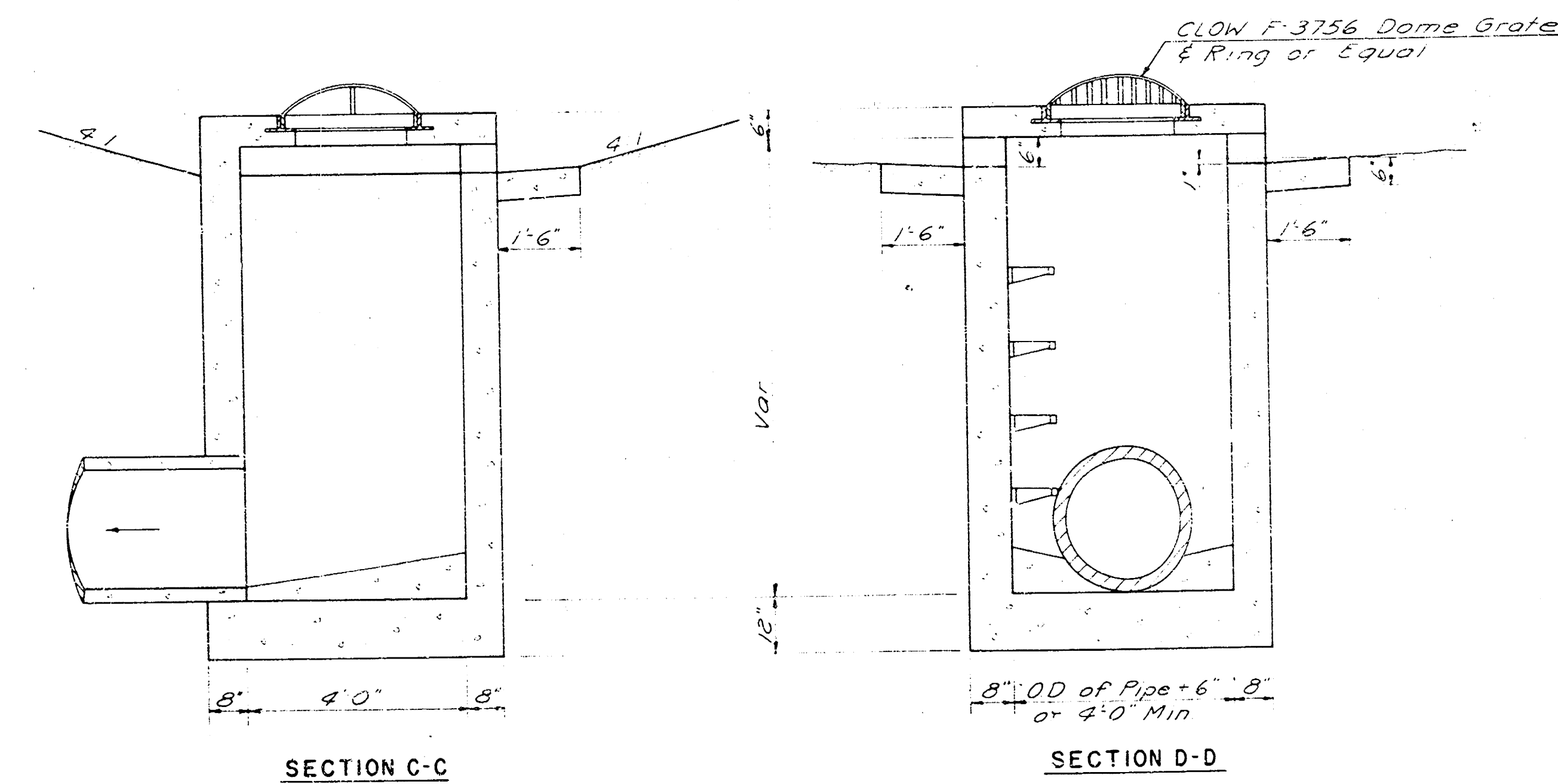
SECTION A-A

SECTION B-B

DITCH INLET TYPE II



PLAN

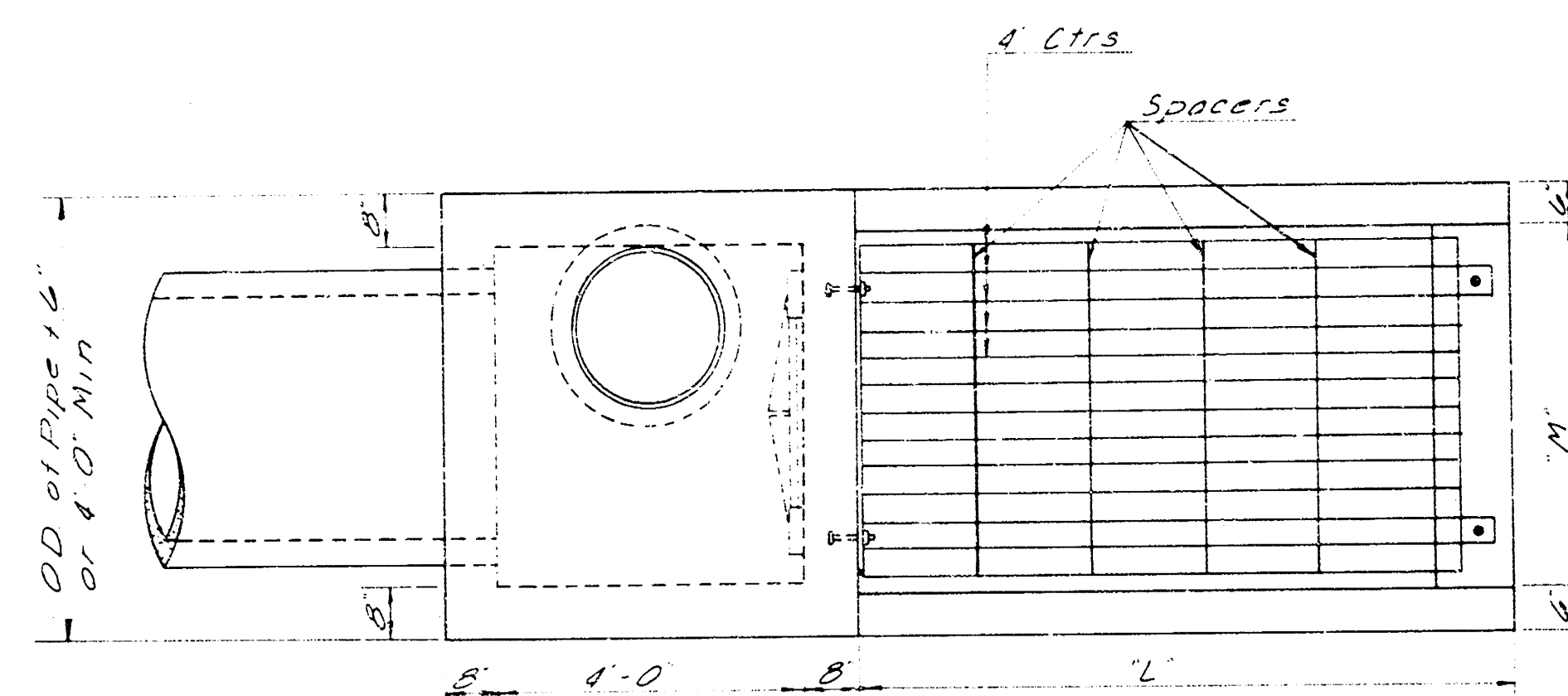


SECTION C-C

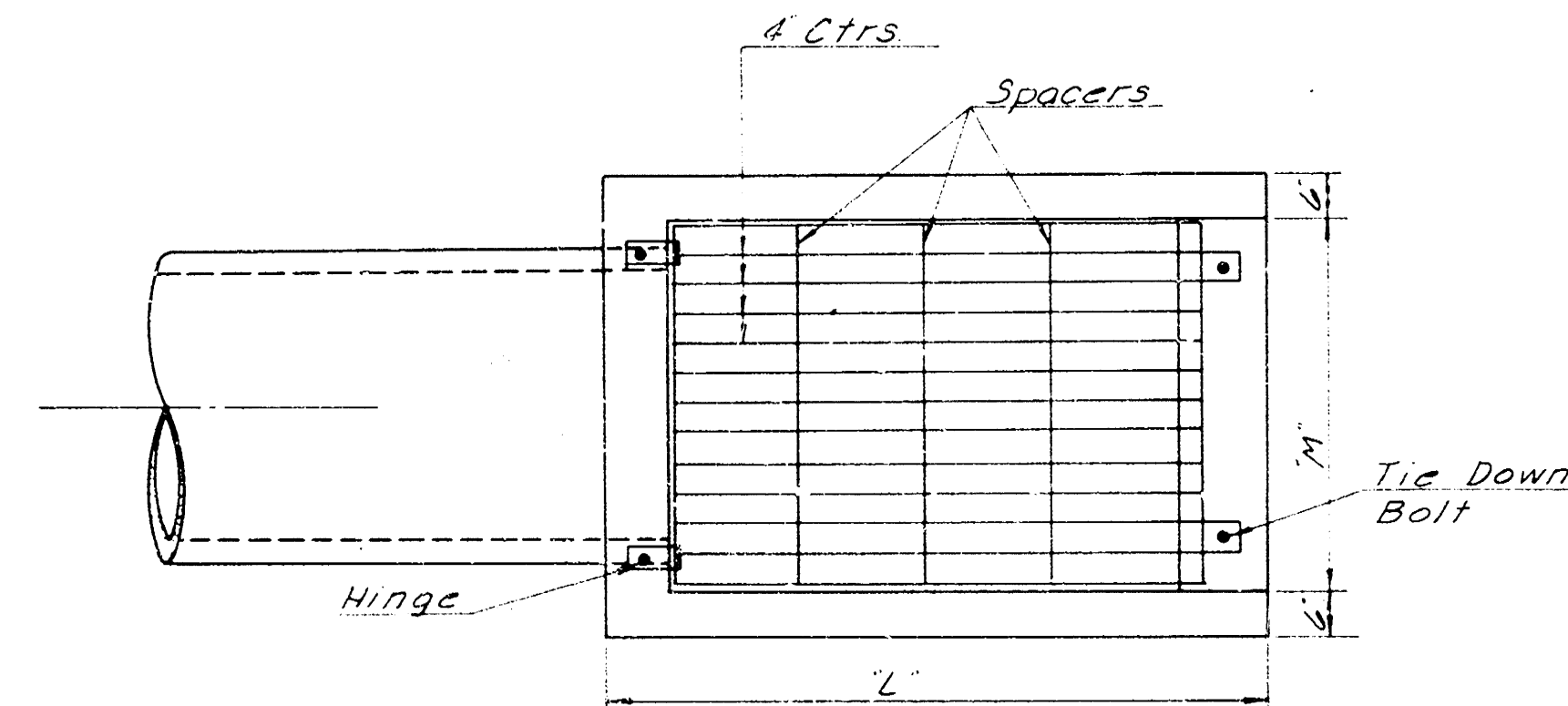
SECTION D-D

DITCH INLET TYPE I

DESIGN	NORTH WICHITA INDUSTRIAL
DR BY	PARK STORM DRAINAGE
CK BY	CITY OF WICHITA, KANSAS
DATE	DITCH INLET DETAILS
JOB NO	VAN DUSEN-HAZARD-STALLINGS-SCHNACK
	ENGINEERS ARCHITECTS - TOPEKA, KANSAS
	SHEET
	OF

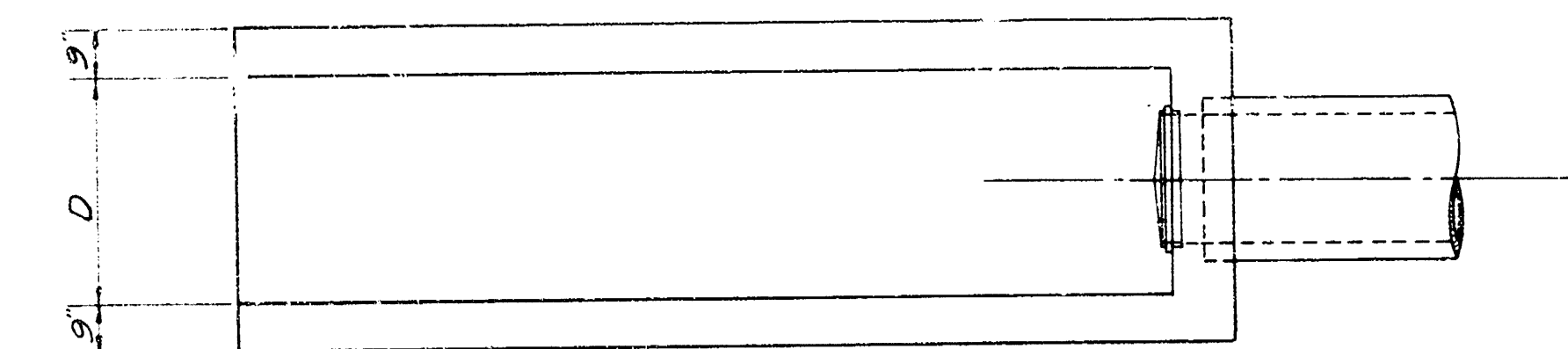


INLET HEADWALL PLAN
TYPE II

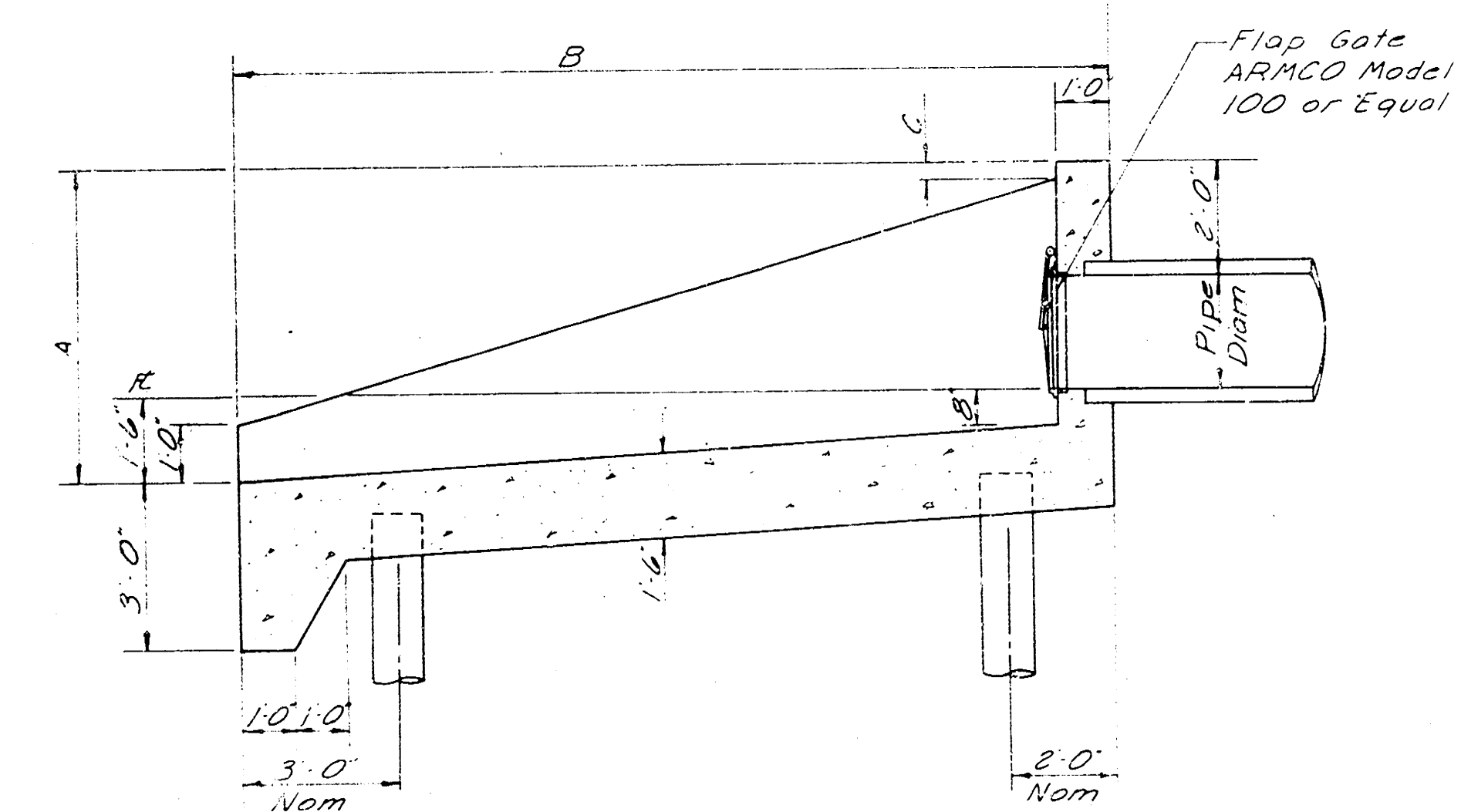


INLET HEADWALL PLAN
TYPE I

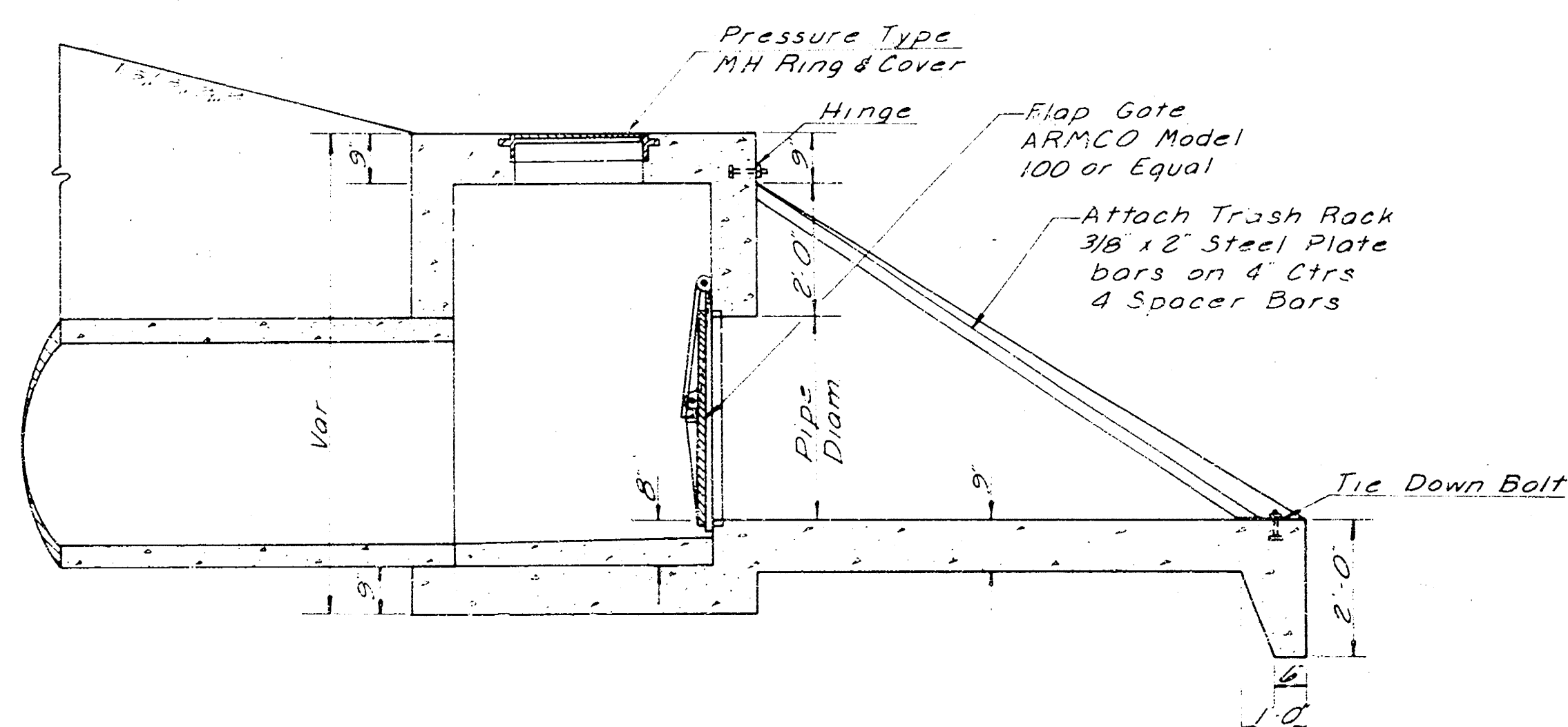
Pipe Size	K	L	M
36	4'-0"	7'-9"	4'-2"
48	5'-2"	9'-9"	5'-5"



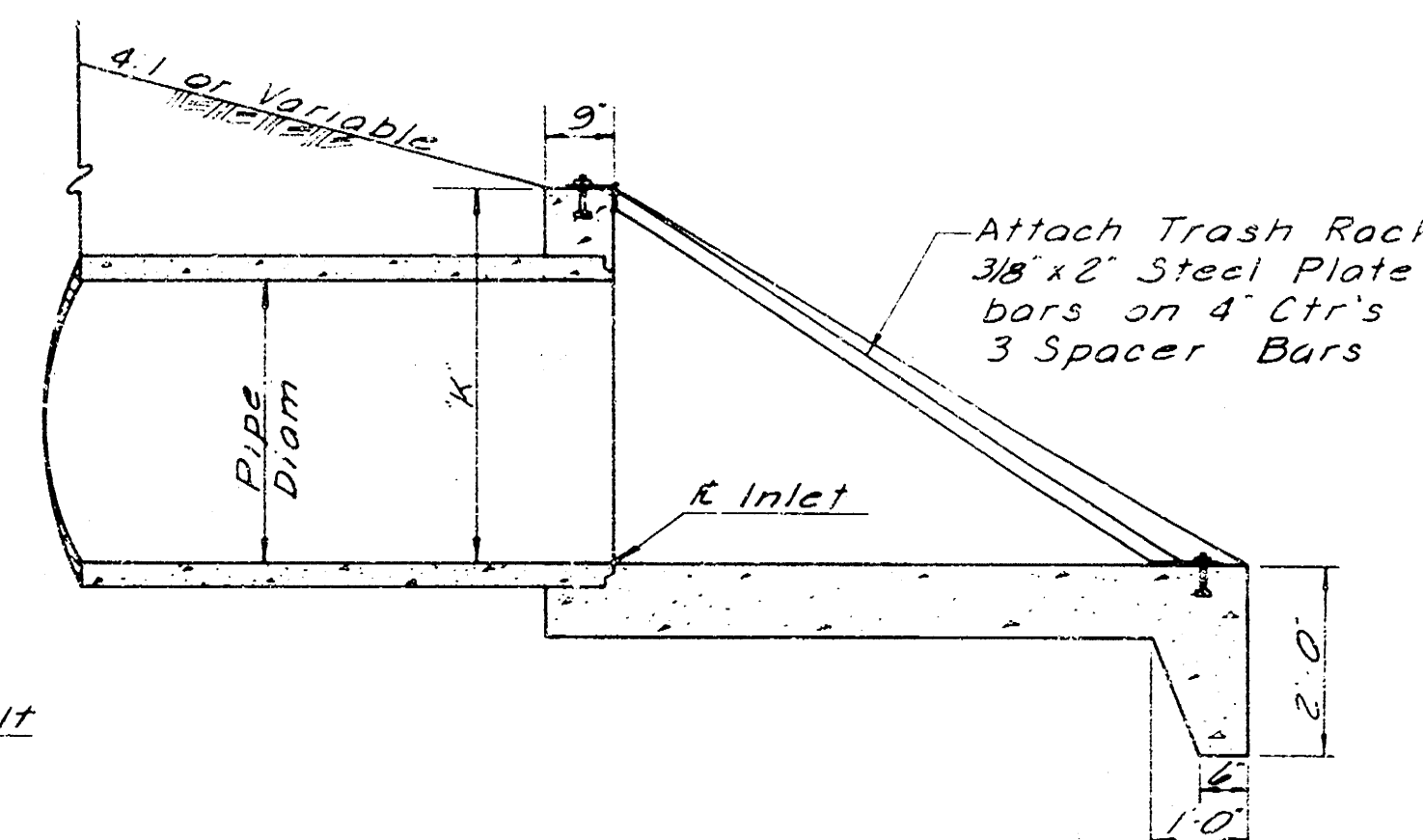
OUTLET HEADWALL PLAN



OUTLET HEADWALL SECTION



INLET HEADWALL SECTION
TYPE II



INLET HEADWALL SECTION
TYPE I

Pipe Size	A	B	C	D
15	4'-9"	5'-7 1/2"	9'-4 1/2"	11'-3"
18	5'-0"	6'-0"	10'-0"	12'-0"
24	5'-6"	6'-9"	11'-3"	13'-0"
30	6'-0"	7'-6"	12'-6"	15'-0"
36	6'-6"	8'-3"	13'-9"	16'-6"
42	7'-0"	9'-0"	15'-0"	18'-0"
48	7'-6"	9'-9"	16'-3"	19'-6"
54	8'-0"	10'-6"	17'-6"	21'-0"
60	8'-6"	11'-3"	18'-9"	22'-6"

* For Dbl 24 Pipes D=7'-0" - Allow 12" Min between pipes.

DESIGN	NORTH WICHITA INDUSTRIAL PARK STORM DRAINAGE	
DR BY		
CR SY		
DATE		
JOB NO		
VAN DOREN HAZARD-STALLINGS-SCHNACKE ENGINEERS-ARCHITECTS . . . TOPEKA, KANSAS		SHEET OF