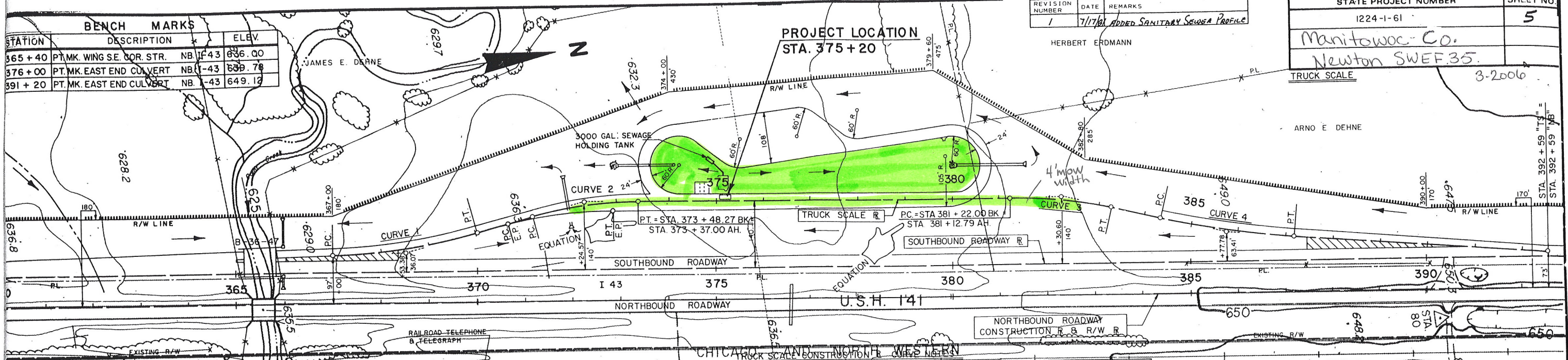


BENCH MARKS			
STATION	DESCRIPTION	N.B.	ELEV.
365 + 40	PT. MK. WING SE. COR. STR.	NB. 143	636.00
376 + 00	PT. MK. EAST END CULVERT	NB. 143	639.78
391 + 20	PT. MK. EAST END CULVERT	NB. 143	649.12

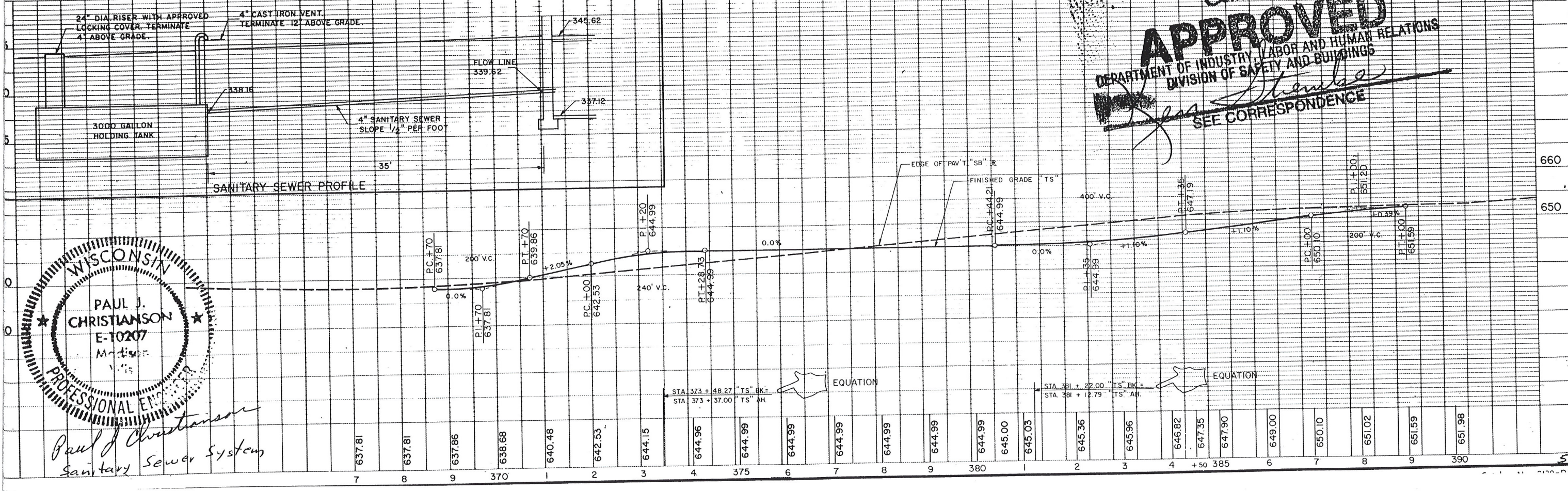
REVISION NUMBER	DATE	REMARKS
1	7/17/01	ADDED SANITARY SEWER PROFILE

STATE PROJECT NUMBER	SHEET NO.
1224-1-61	5

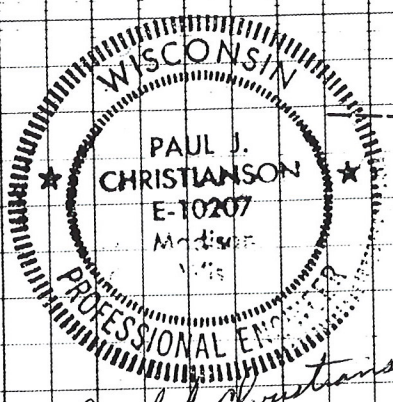
Manitowoc Co.  
Newton SWEF.35.



CURVE 1		CURVE 2		CURVE 3		CURVE 4	
P.I.	= 371 + 81.61	P.I.	= 372 + 37.24 "T.S."	P.I.	= 382 + 21.39 "T.S."	P.I.	= 385 + 76.06 "T.S."
Z	= 195°-38'-32"	Z	= 195°-38'-32"	Z	= 192°-26'-25"	Z	= 172°-07'-35"
Δ	= 15°-38'-32"	Δ	= 15°-38'-32"	Δ	= 12°-26'-25"	Δ	= 7°-52'-25"
D	= 4°-45'	D	= 7°-00'	D	= 5°-45'	D	= 2°-45'
T	= 112.43'	T	= 112.43'	T	= 108.60'	T	= 143.30'
L	= 223.46'	L	= 223.46'	L	= 216.33'	L	= 286.32'
E	= 7.69'	E	= 7.69'	E	= 5.90'	E	= 4.83'
R	= 818.51'	R	= 818.51'	R	= 996.45'	R	= 2,083.48'
P.C.	= 370 + 69.18 "EDGE OF PAV'T"	P.C.	= 371 + 24.81 "T.S."	P.T.	= 383 + 29.14 "T.S."	P.C.	= 384 + 32.68 "T.S."
P.T.	= 372 + 92.63 "EDGE OF PAV'T" BK = 372 + 83.42 "EDGE OF PAV'T" AH.	P.T.	= 370 + 05.19 "T.S."	S.E.	= R.C.	P.T.	= 387 + 19.00 "T.S."
S.E.	= 0.053 FT./FT.	R.O.	= MODIFIED	R.O.	= MODIFIED	S.E.	= 0.036 FT./FT.



**PLUMBING**  
*Conditionally*  
**APPROVED**  
DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS  
DIVISION OF SAFETY AND BUILDINGS  
*See Correspondence*



*Paul J. Christianson*  
Sanitary Sewer System