

RAMSEY COUNTY BOARD
OF
COMMISSIONERS

THOMAS R. BYRNE, CHAIRMAN

JOHN E. DAUBNEY

MRS. DONALD M. DECOURCY

ARTHUR T. GIBBONS

GEORGE A. HARDENBERGH

ROY P. NADEAU

ED SALVERDA

RAMSEY COUNTY, MINNESOTA

CONSTRUCTION PLANS FOR

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LOCATION SHEET
3	QUANTITY SHEET
4	DETAIL SHEET
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IMPROVEMENT OF COUNTY DITCH NO. 3

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Carl H. Gandy REG. NO. 352 DATE *June 29, 1967*

VILLAGE ENGINEER

RECOMMENDED FOR APPROVAL

James L. Hall REG. NO. 5031 DATE *July 13, 1967*

RAMSEY COUNTY ENGINEER

APPROVED *19* DATE *July 13, 1967*

CHAIRMAN COUNTY BOARD

John J. Byrne DATE *July 13, 1967*

COUNTY AUDITOR

SPECIFICATIONS

THE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION"
DATED JANUARY 1, 1964 AND AMENDED FEBRUARY 1, 1966,
SHALL GOVERN EXCEPT AS MODIFIED BY "SPECIFICATIONS FOR
IMPROVEMENT OF COUNTY DITCH NO. 3, RAMSEY COUNTY,
MINNESOTA.

TITLE SHEET

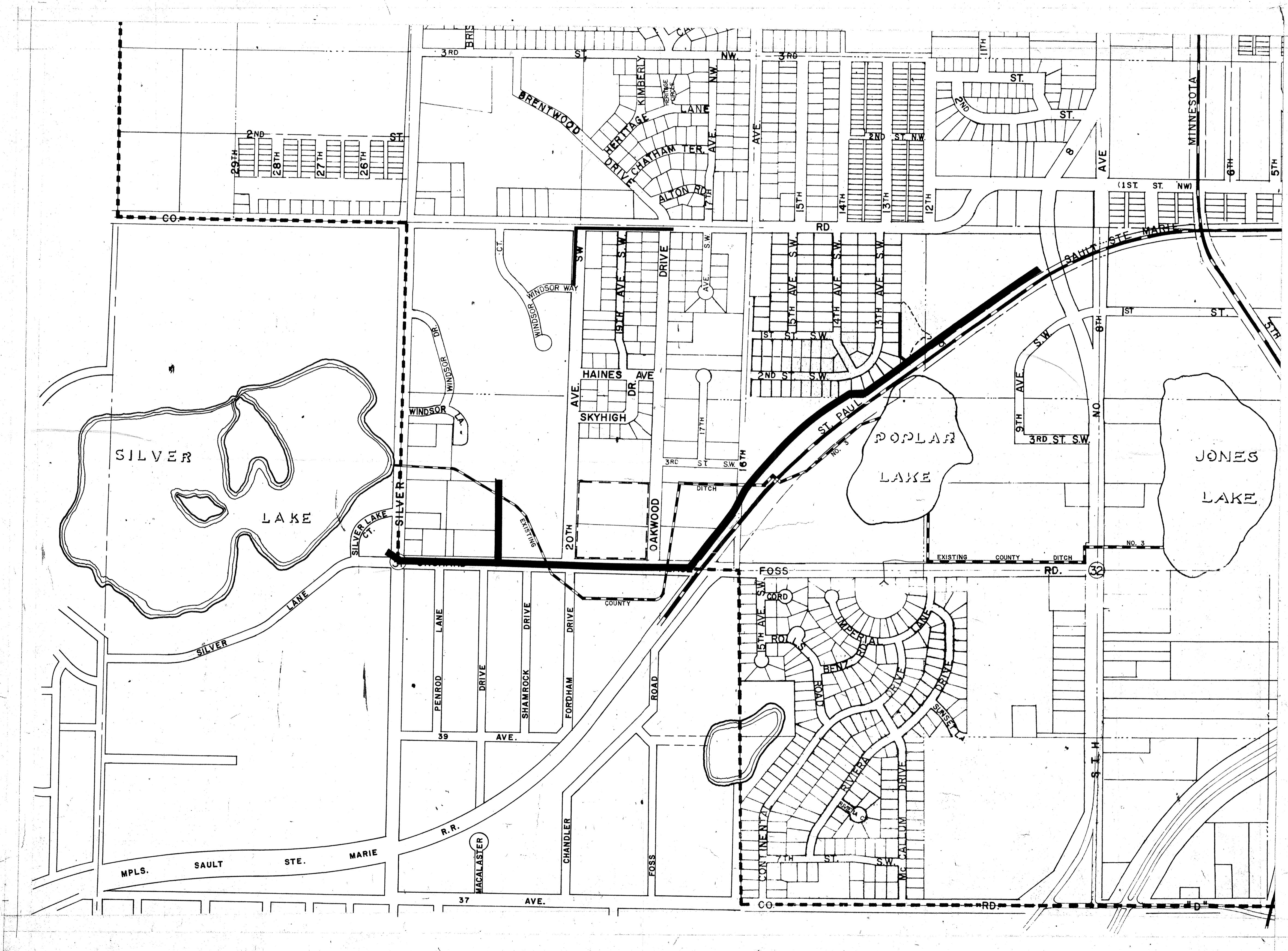
MILNER W. CARLEY & ASSOCIATES

CONSULTING CIVIL ENGINEERS LAND SURVEYORS
500 W. HWY. 96 314 OAK ST.
ST. PAUL 12, MINN. SAUK CENTRE, MINN.
484-3301 251-7751

SURVEY BY _____ I hereby certify that this plan, specification, or report
DESIGNED BY _____ was prepared by me or under my direct supervision
DRAWN BY _____ and that I am a duly Registered Professional Engi-
NEER under the laws of the State of Minnesota.

APPROVED BY _____ REVISIONS _____

SHEET 1 OF 8 SHEETS Date Reg. No. COMM. NO.



LOCATION SHEET

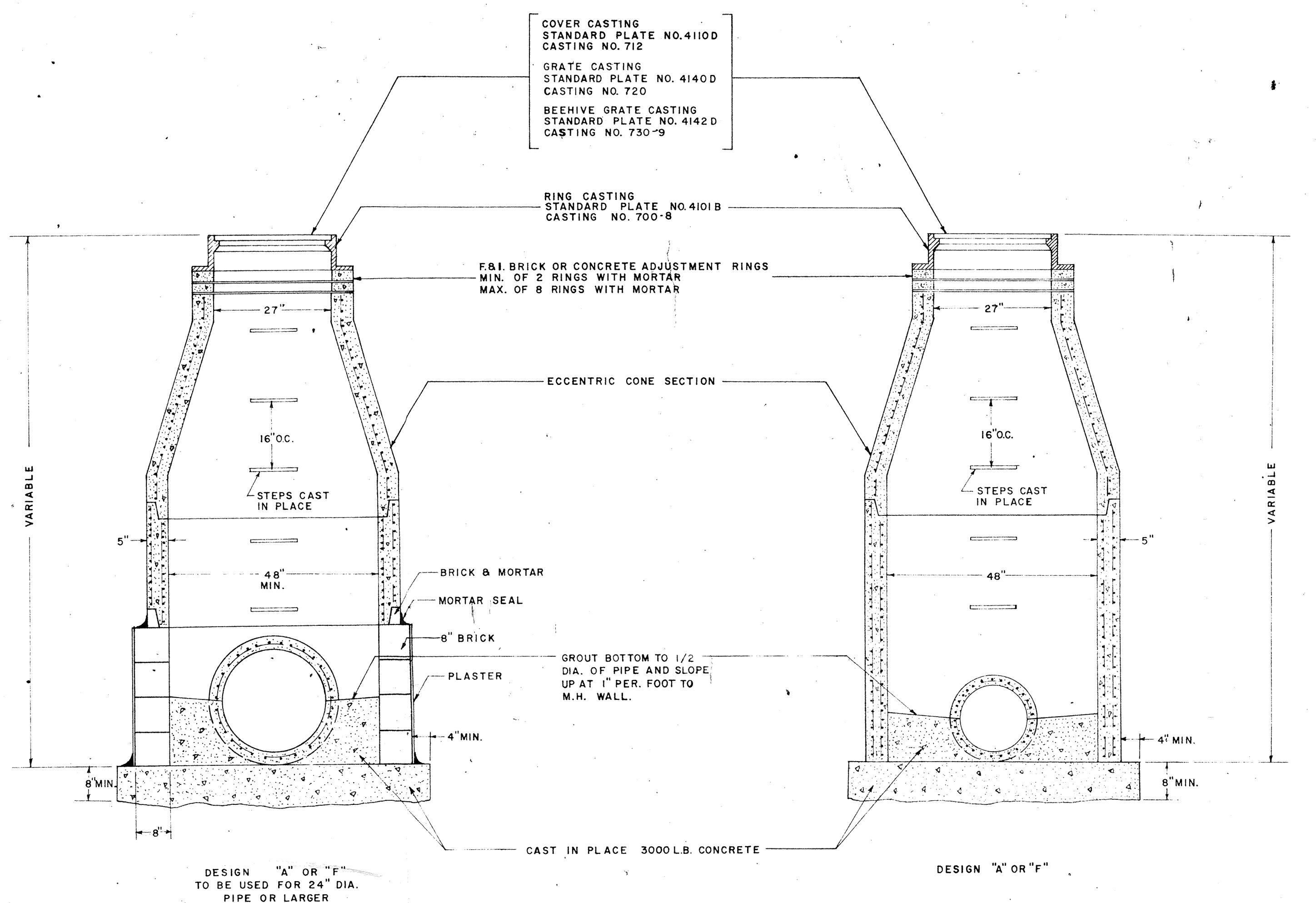
STATEMENT OF ESTIMATED QUANTITIES

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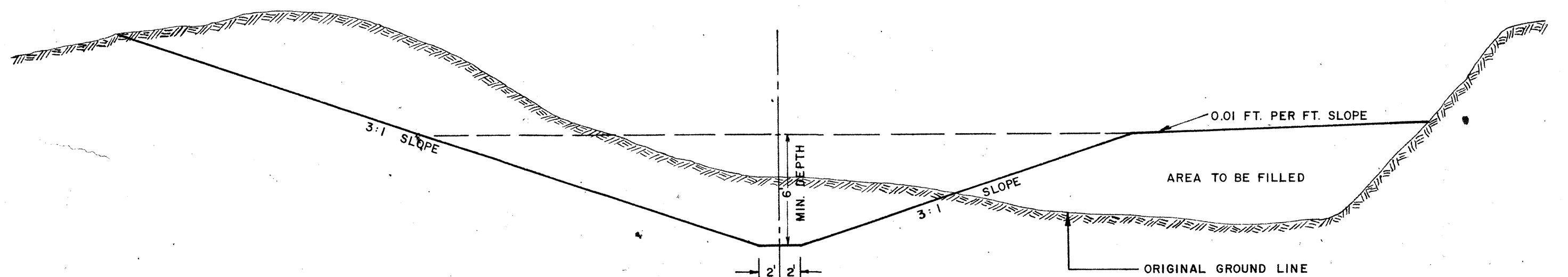
SPEC. REF. NO.	ITEM	UNIT	ESTIMATED QUANTITES	FINAL QUANTITIES
2503.512	F. & I. 66" R.C.P. SEWER CLASS III	LIN. FT.	1,184	1,172
2503.512	F. & I. 60" R.C.P. SEWER CLASS III	LIN. FT.	2,320	2,282
2503.512	F. & I. 48" R.C.P. SEWER CLASS III	LIN. FT.	35	35
2503.512	F. & I. 42" R.C.P. SEWER CLASS III	LIN. FT.	1,105	1,110
2503.512	F. & I. 42" R.C.P. SEWER CLASS IV	LIN. FT.	350	350
2503.512	F. & I. 30" R.C.P. SEWER CLASS II	LIN. FT.	625	622
2503.512	F. & I. 24" R.C.P. SEWER CLASS III	LIN. FT.	1,066	1,064
2503.512	F. & I. 21" R.C.P. SEWER CLASS III	LIN. FT.	800	795
2503.512	F. & I. 18" R.C.P. SEWER CLASS III	LIN. FT.	215	215
2503.512	F. & I. 15" R.C.P. SEWER CLASS III	LIN. FT.	385	390
2503.512	F. & I. 12" R.C.P. SEWER CLASS III	LIN. FT.	238	176
2503.512	F. & I. 60" TO 66" R.C.P. INCREASER	EACH	1	1
2503.512	F. & I. 66" R.C.P. LONG RADIUS BENDS CLASS III	EACH	4	4
2503.512	F. & I. 60" R.C.P. SHORT RADIUS BENDS CLASS III	EACH	17	15
2503.512	F. & I. 66" R.C.P. MANHOLE TEE SECTION	EACH	2	2
2503.512	F. & I. 60" R.C.P. MANHOLE TEE SECTION	EACH	3	3
2503.512	F. & I. 42" R.C.P. MANHOLE TEE SECTION	EACH	3	3
2503.512	F. & I. GASKETS FOR 12" TO 66" R.C.P.	EACH	60	50
2503.513	F. & I. 8" V.C.P. EXTRA STR. SEWER (INCLUDES DIGGING, LAYING AND BACKFILLING)	LIN. FT.	305	301
2503.513	F. & I. 6" V.C.P. HOUSE SERVICE IN PLACE, INCLUDING WYE DIGGING, LAYING & BACKFILLING	LIN. FT.	20	40
2503.514	F. & I. 24" C.M.P. SEWER	LIN. FT.	40	40
2506.506	CONSTRUCT MANHOLE STD. COMPLETE IN PLACE	LIN. FT.	167	179.5
2506.506	CONSTRUCT SPECIAL MH. NO. 4	LUMP SUM	1	LUMP SUM
2506.507	CONSTRUCT CATCH BASINS, COMPLETE IN PLACE	LIN. FT.	67.2	58
2506.516	F. & I. MANHOLE FRAME AND COVER IN PLACE	ASSEMBLY	19	19
2506.516	F. & I. CATCH BASIN ASSEMBLY, COMPLETE IN PLACE	ASSEMBLY	12	12
2515.541	F. & I. 66" R.C.P. APRON COMPLETE WITH TRASH GUARD	APRON	1	1
2515.541	F. & I. 24" R.C.P. APRON COMPLETE WITH TRASH GUARD	APRON	1	1
2515.541	F. & I. 12" R.C.P. APRON	APRON	1	1
2574.501	ROADSIDE SEEDING	ACRES	3.1	3.1
2574.511	SEED (CL-17)	POUND	111.6	111.6
2576.501	SODDING	SQ. YDS.	1,000	1,000
	ROCK FOR TRENCH STABILIZATION	TON	200	612.23
	CONSTRUCT CONCRETE CRADLE COMPLETE IN PLACE AS SHOWN ON SHEET 7 OF CONST. PLANS	LUMP SUM	1	LUMP SUM
	CLEAN DITCH AND STORM SEWER AS SHOWN ON SHEET 8 OF CONST. PLANS	LUMP SUM		LUMP SUM
	SHEETING (LEFT IN PLACE)	BOARD FT.	5,000	2,326.9
	COUNTY ROAD REPAIR	LUMP SUM		LUMP SUM
	ALTERNATE			
2503.512	F. & I. 30" R.C.P. SEWER CLASS III	(SHEET 8)	LIN. FT.	420
				VOID

VILLAGE WORK IN CONJUNCTION WITH
RAMSEY COUNTY DITCH 3 IMPROVEMENT

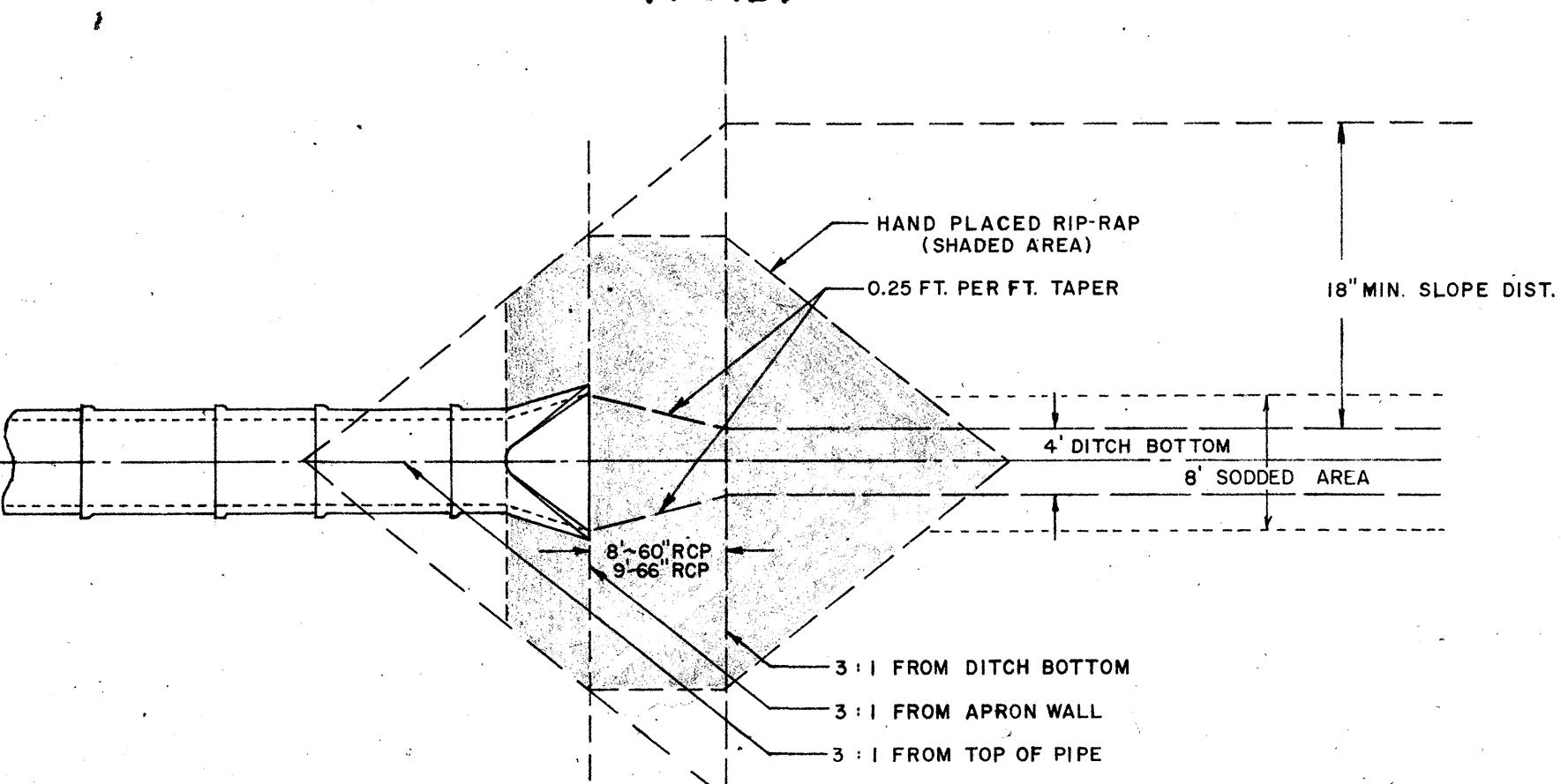
ET 6	EASEMENT	NEW	BRIGHTON
ET 7	13th AVE. STORM SEWER OUTLET	NEW	BRIGHTON
ET 7	20th AVE. S.W. & CO. RD. "E"	NEW	BRIGHTON
ET 7	HIGHCREST ADD. OUTLET	NEW	BRIGHTON
ET 7	SILVER LA. SANITARY SEWER	ST.	ANTHONY
ET 7	CONCRETE CRADLE	ST.	ANTHONY
ET 8	CLEAN DITCH & STORM SEWER	NEW	BRIGHTON



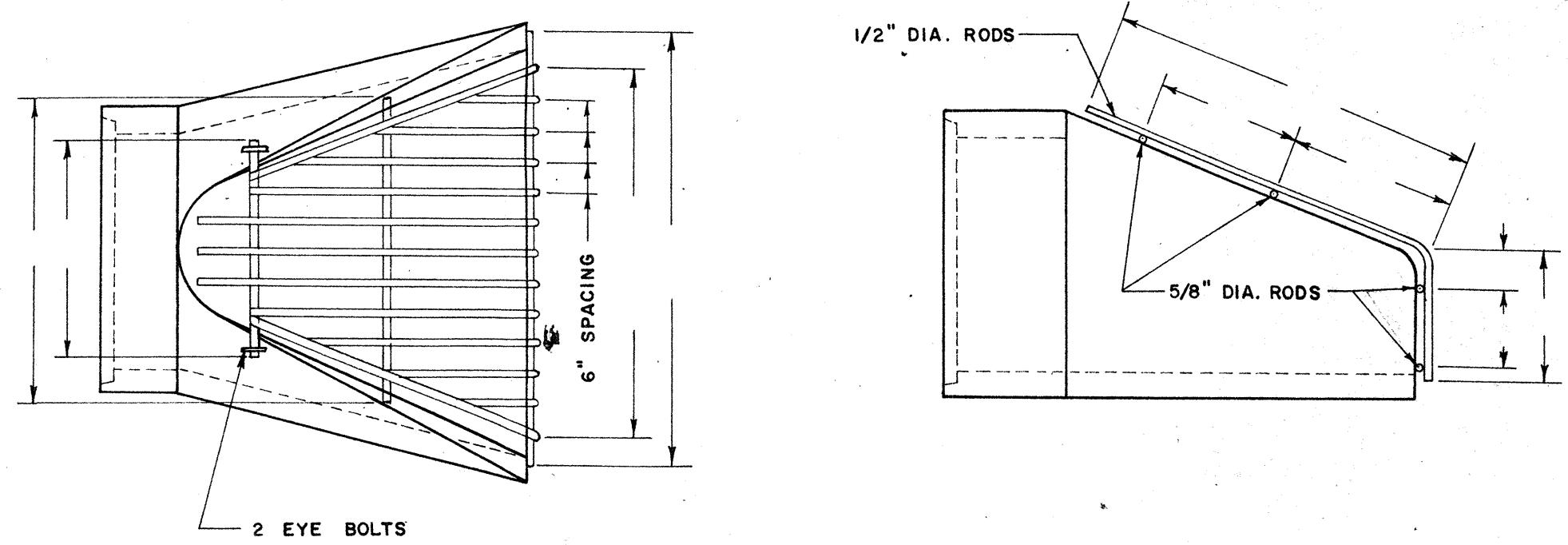
STANDARD MANHOLE DETAIL



**TYPICAL DITCH SECTION
(VOID)**

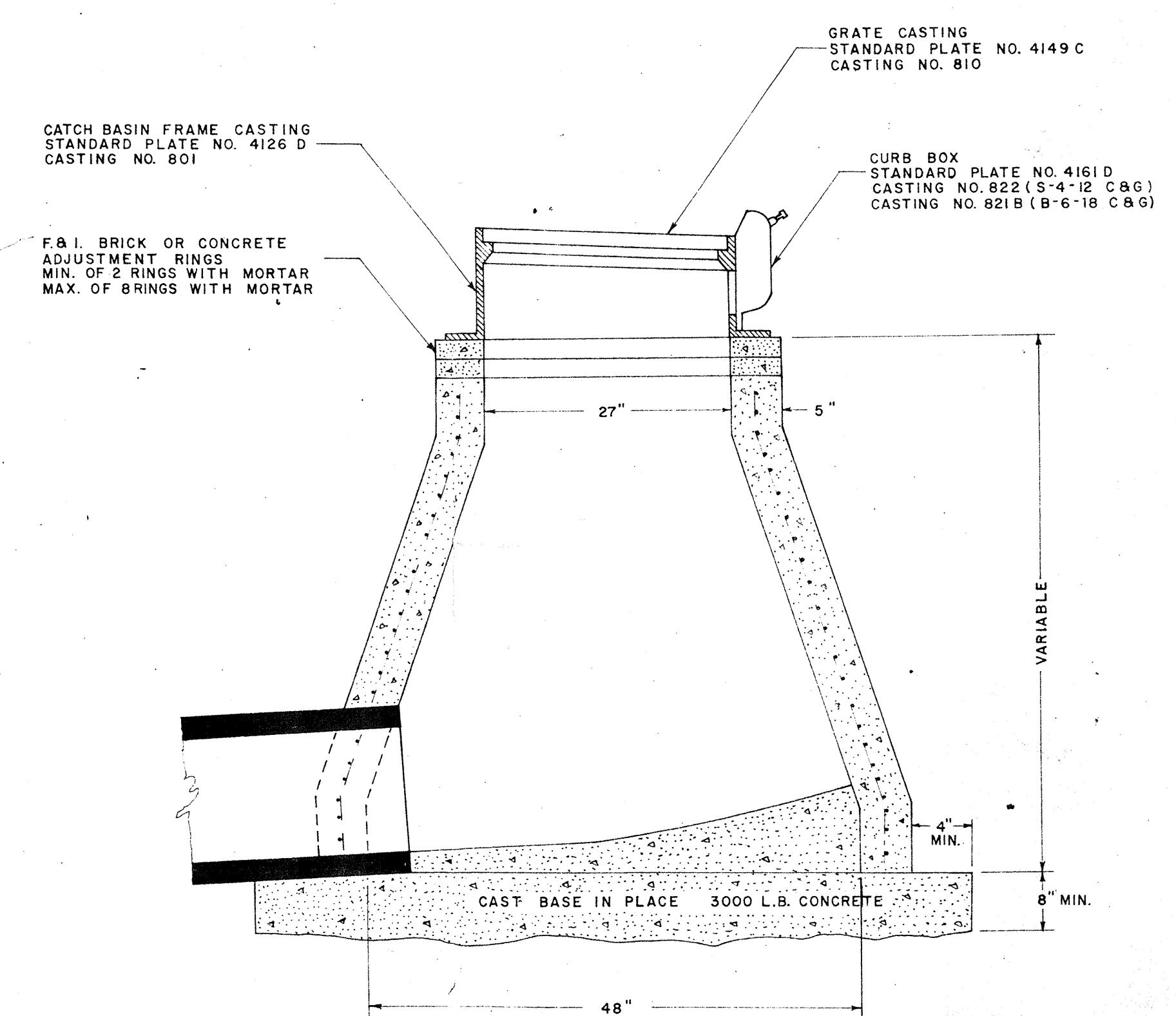


**FLARED END SECTION DETAIL
(VOID)**



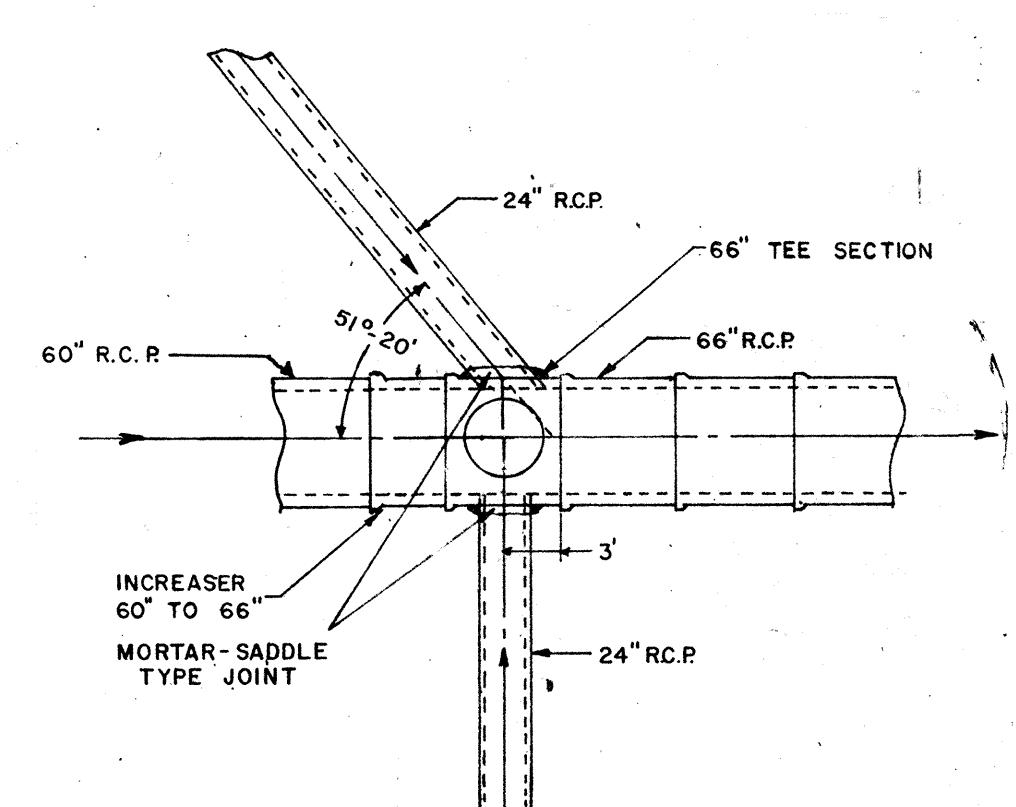
TRASH GUARD

CRETEX OR EQUAL



STANDARD CATCH BASIN

DESIGN "C" OR "G"



DETAIL-24" CONN. TO 66" R.C.P. TEE

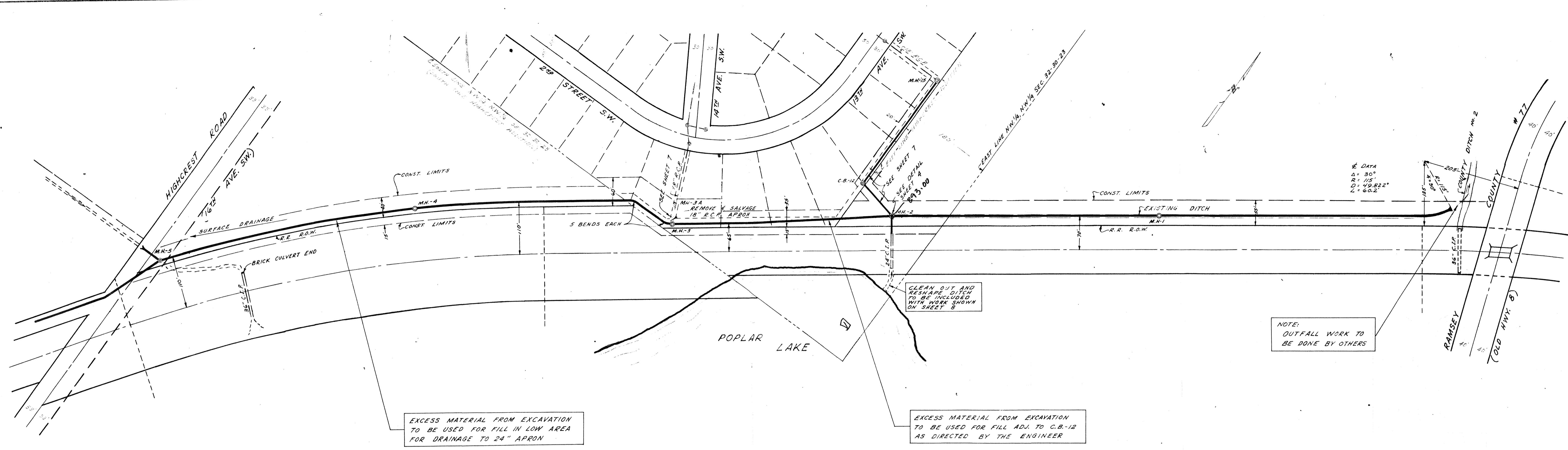
STORM SEWER DETAIL SHEET

MILNER W. CARLEY & ASSOCIATES
CONSULTING CIVIL ENGINEERS LAND SURVEYORS

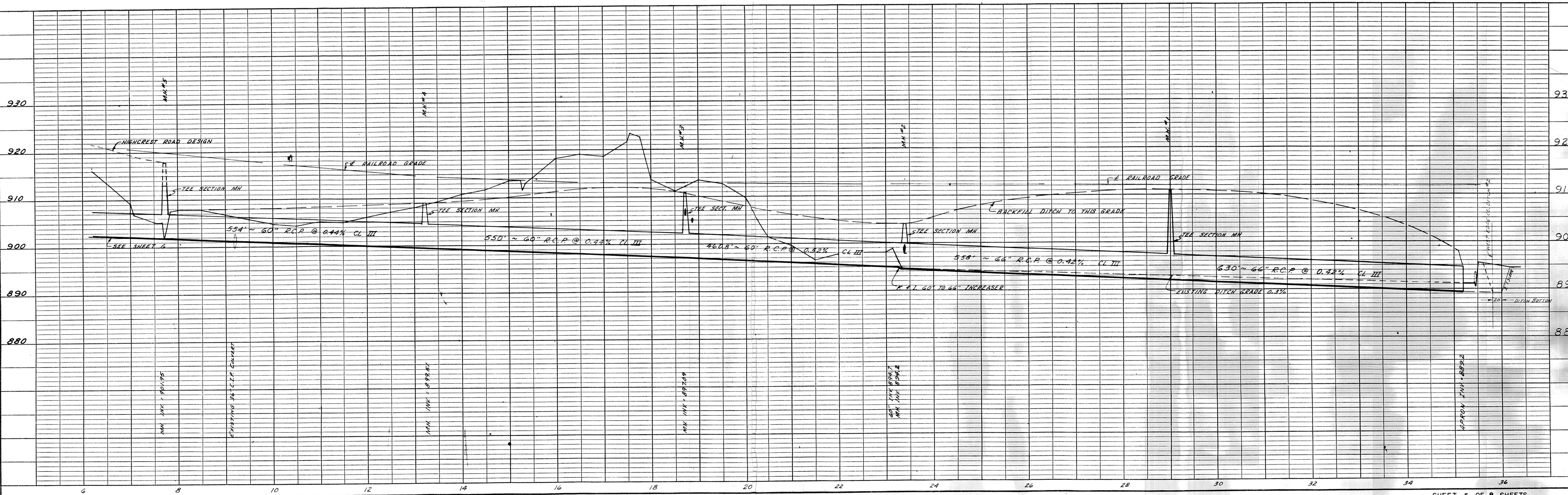
500 W. HWY. 96 314 OAK ST.
ST. PAUL, MN. SAUK CENTRE, MN.
484-3301 352-3664 251-7781

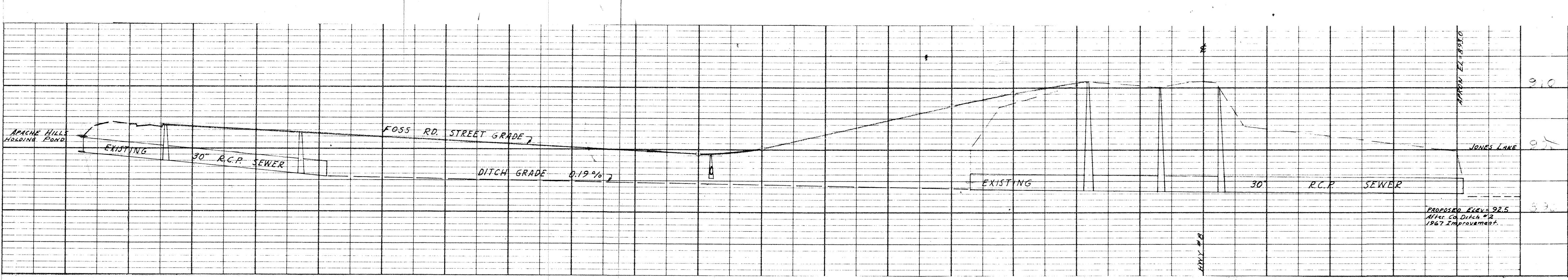
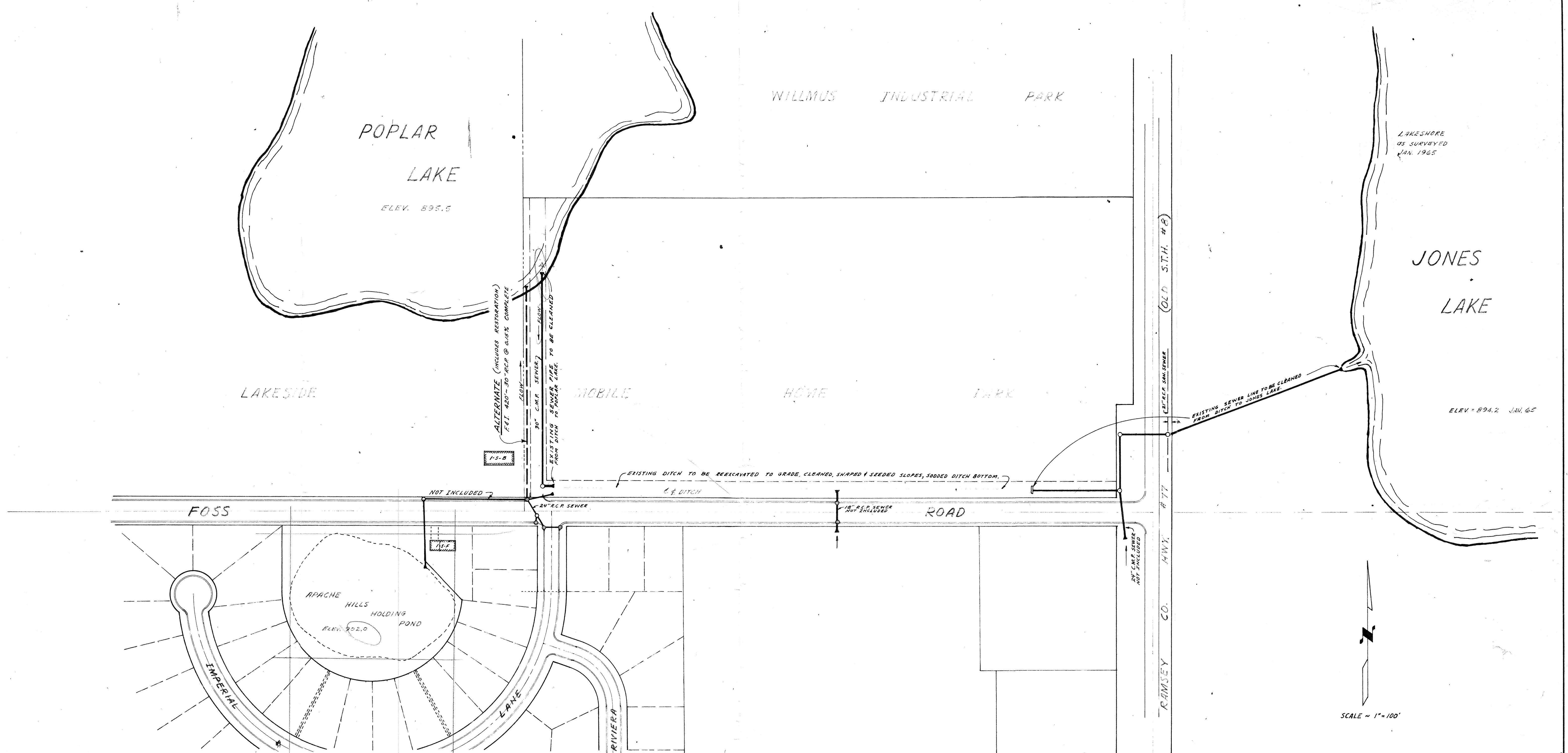
SURVEY BY	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.	REVISIONS
DESIGNED BY		
DRAWN BY		
APPROVED BY		
SHEET 4 OF 8 SHEETS	Date	Reg. No.
		COMM. NO.

PLAN	SURVEYED _____ PLOTTED _____	BY _____ DATE _____
NOTE BOOK NO. _____	ALIGNMENT CHECKED _____ RT. OF WAY CHECKED _____	



PROFILE	SURVEYED	BY	DATE
	PLOTTED	<i>E.B.</i>	<i>2-17-64</i>
NOTE BOOK	GRADES CHECKED	<i>R.E.M.</i>	<i>2-6-67</i>
<i>NO 278-21</i>	B. M.s NOTED	CONTRACTOR'S NOTES AND OWNERS	





RAMSEY COUNTY DITCH #3		
MILNER W. CARLEY & ASSOCIATES CONSULTING ENGINEERS		
500 W. Hwy. 36 St. Paul 12, Minn.		
SURVEY BY	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered Professional Engineer under the laws of the State of Minnesota.	
DESIGNED BY		
DRAWN BY K.R. OXLUND		
APPROVED BY		
REVISIONS		
SHEET 8 OF 8 SHEETS Date Reg. No. COMM. NO.		

8159