

PLANS SYMBOLS

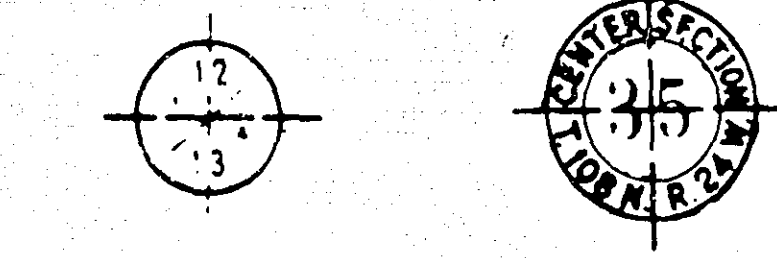
STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT OF WAY LINE
RIVER OR CREEK
DRY RUN
DRAINAGE DITCH
DRAIN TILE
CULVERT
DROP INLET
GUARD RAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
RAILROAD SNOW FENCE
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER

SPRINGS
MARSH
TIMBER
ORCHARD
BRUSH
NURSERY
CATCH BASIN
FIRE HYDRANT
CATLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame)
F FRAME C CONCRETE
S STONE T TILE
B BRICK ST STUCCO
IRON PIPE OR ROD
MONUMENT (STONE, CONCRETE, OR METAL)
WOODEN HUB
GRAVEL PIT
SAND PIT
BORROW PIT
ROCK QUARRY

UTILITIES SYMBOLS

POWER POLE LINE
TELEPHONE OR TELEGRAPH
POLE LINE
JOINT TELEPHONE AND POWER
ON POWER POLES
ON TELEPHONE POLES
ANCHOR
STEEL TOWER
STREET LIGHT
PEDESTAL TELEPHONE CABLE
TERMINAL
GAS MAIN
WATER MAIN

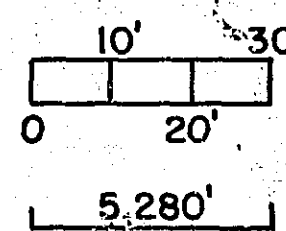
CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRIC CABLE IN CONDUIT
TELEPHONE MANHOLE
ELECTRIC MANHOLE
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
AERIAL TELEPHONE CABLE
SEWER, (SANITARY OR STORM)
SEWER MANHOLE



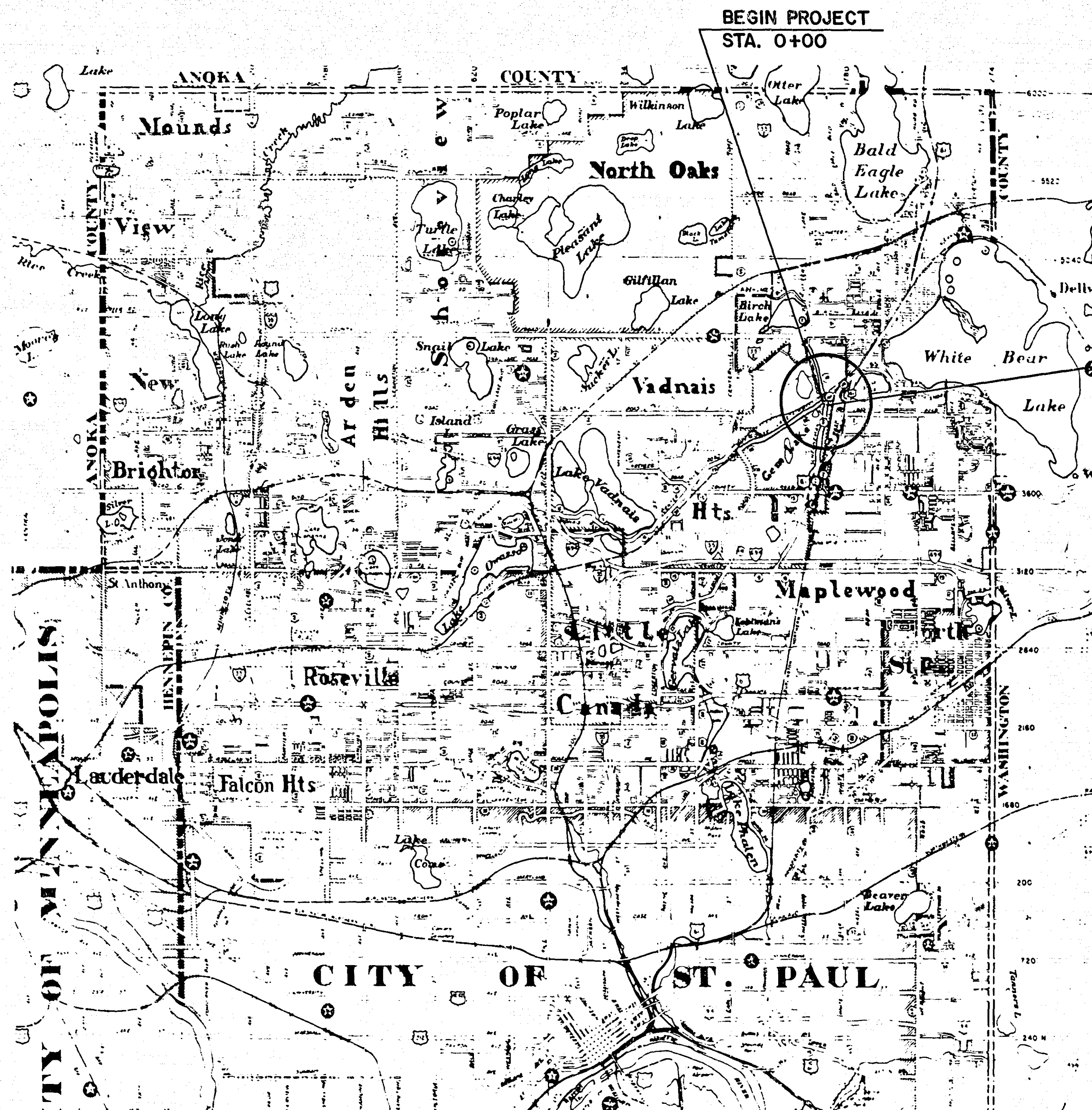
PIT DATA

PIT NO. _____ Located in
Dead Haul
PIT NO. _____ Located in
Dead Haul

PLAN
LAYOUT MAP



GROSS LENGTH 662 FEET 0.1254 MILES
BRIDGE LENGTH 0 FEET 0 MILES
EXCEPTIONS 0 FEET 0 MILES
NET LENGTH 662 FEET 0.1254 MILES



RAMSEY COUNTY DEPARTMENT OF PUBLIC WORKS OTTER LAKE ROAD BIKEWAY CONSTRUCTION PLAN FOR: BITUMINOUS BIKEWAY

BETWEEN: GOOSE LAKE ROAD AND SCHEUNEMAN ROAD
S.A.P. NO. 62-590-04

COUNTY ROAD NO. 148
ACCOUNT NO. 47230

TRAFFIC VOLUME

A.D.T. 1980 2,025
2000 3,500

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES & DETAILS
3	PLAN SHEET

THIS PLAN SUBJECT TO MINOR REVISIONS

4-15-81

DESIGN SQUAD _____ DATE _____
DRAWN BY _____ DATE _____
CHECKED BY _____ DATE _____

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

DATE 6-15-81 REG NO 13501 ENGR *Larry Feltz*

RECOMMENDED FOR APPROVAL *PK* DATE 6-15-81
TRAFFIC ENGR

RECOMMENDED FOR APPROVAL *W. B. Ewert* DATE 3-18-81
COUNTY ENGINEER

RECOMMENDED FOR APPROVAL *DM* DATE 6/15/81
ENR ENGR

APPROVED *Robert F. Bath* DATE 8-10-81
CHAIRMAN OF THE RAMSEY COUNTY BOARD

RECOMMENDED FOR APPROVAL *MDX* DATE 6/15/81
MAINT ENGR

APPROVED *James G. Gerry* DATE 6/15/81
CITY OF GEM LAKE

RECOMMENDED FOR APPROVAL *DR* DATE 6/15/81
CONSTR ENGR

APPROVED _____ DATE _____

RECOMMENDED FOR APPROVAL _____ DATE _____

MINNESOTA DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL *DR* DATE 6/15/81
TRAFFIC ENGR

RECOMMENDED FOR APPROVAL *Daniel D. O'Connell* DATE 7-8-81

APPROVED *William J. Gorman* DATE 6/15/81
COORDINATING ENGR

RECOMMENDED FOR APPROVAL *Ph...* DATE 6/23/81
DISTRICT STATE AID ENGINEER

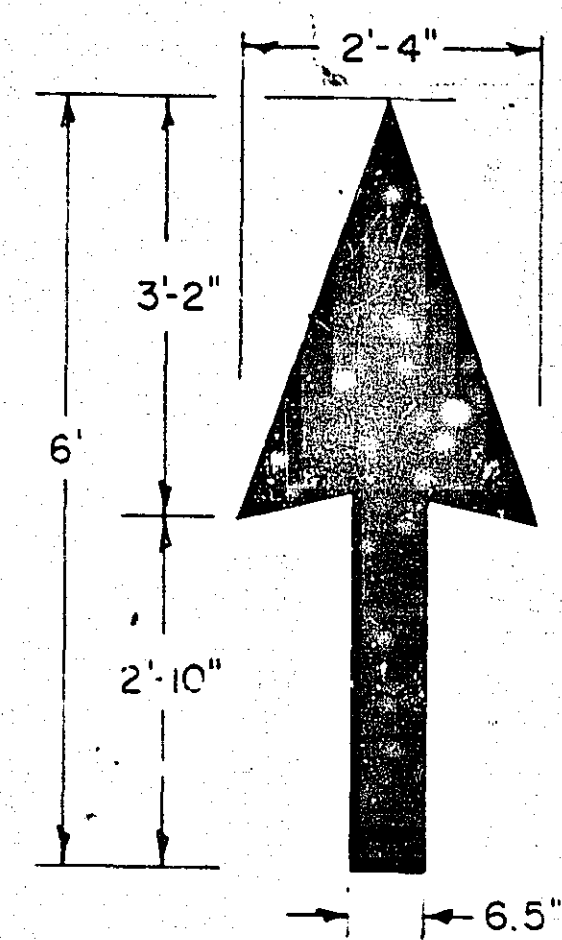
APPROVAL *William J. Gorman* DATE 7/14/81

PLAN REVISIONS		
DATE	SHEET NO.	BY

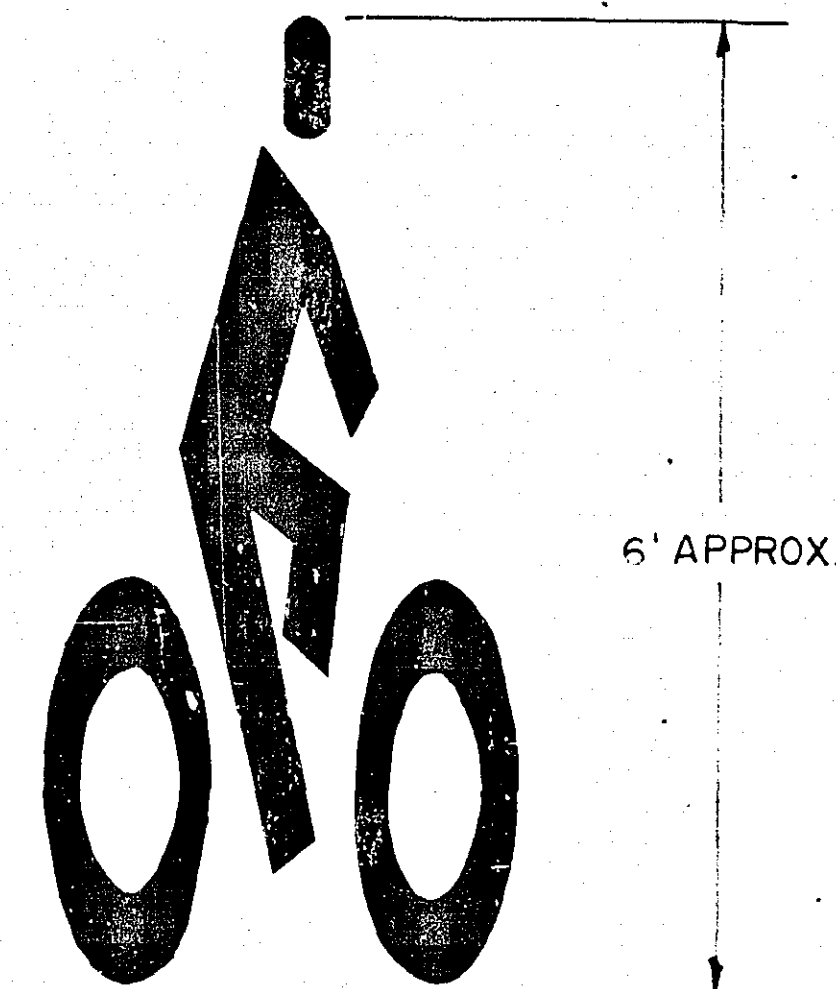
THE 1978 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" SHALL GOVERN.

S.A.P. NO. 62-590-04

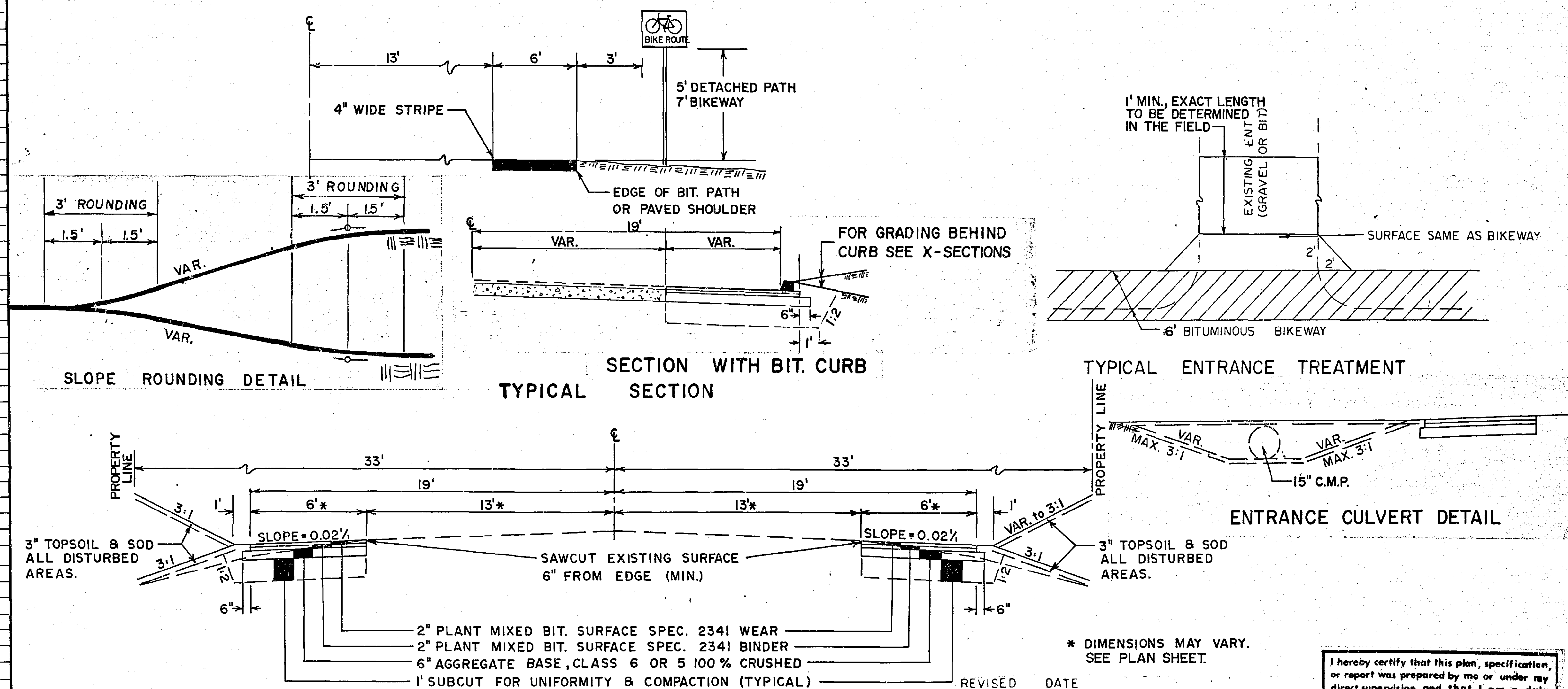
Sheet No. 1 of 3 Sheets

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TYPICAL SIGN & PAVEMENT MESSAGE PLACEMENT



SIGNING AND PAINTING BY OTHERS

[illegible]

STA. 0+00 to STA. 7+00

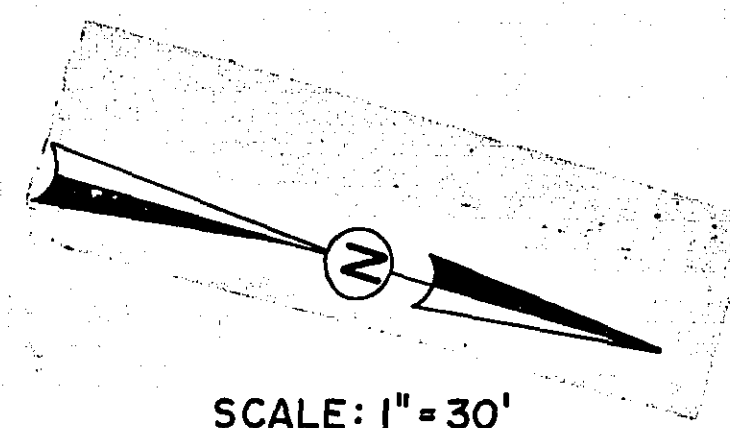
* DIMENSIONS MAY VARY.
SEE PLAN SHEET.

REVISED	DATE		
		DESIGNED BY	
		DRAWN BY	
		CHECKED 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.

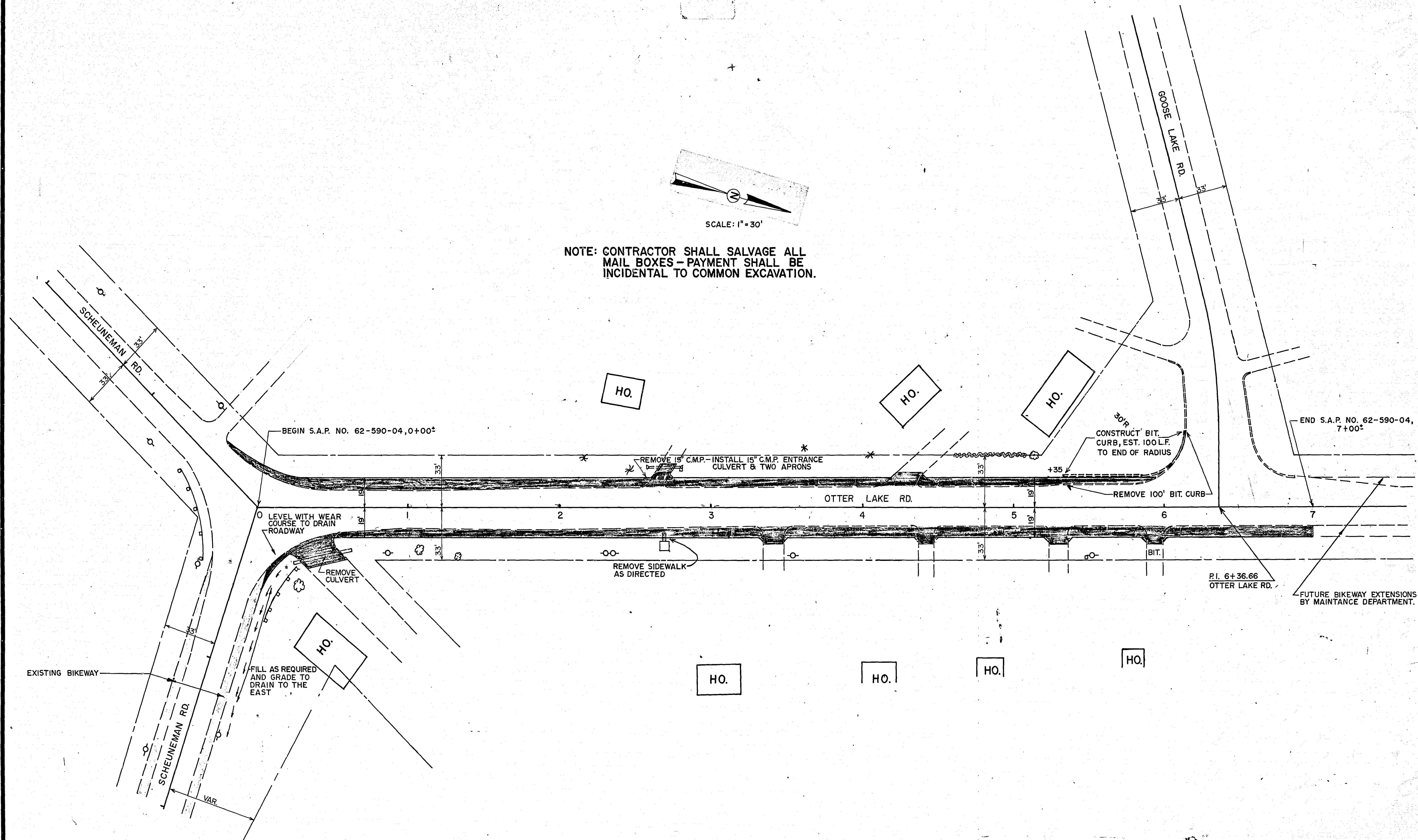
Larry F. Feller

Date 6-15-61 Reg. No. 13501



SCALE: 1" = 30'

NOTE: CONTRACTOR SHALL SALVAGE ALL
MAIL BOXES - PAYMENT SHALL BE
INCIDENTAL TO COMMON EXCAVATION.



REVISED	DATE	DESIGNED BY
		DRAWN BY
		CHECKED 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.
Sammy F. J. [Signature]
Date 6-15-81 Reg. No. 13501