

**GOVERNING SPECIFICATIONS**

THE 2016, OR MOST RECENT, EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" SHALL GOVERN.

THE 2013, OR MOST RECENT, EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) STANDARD SPECIFICATION FOR UTILITY CONSTRUCTION

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

# 2016 SANITARY SEWER LINING PROJECT

## FOR THE

# CITY OF TONKA BAY

### CITY PROJECT NO. XXXXXX

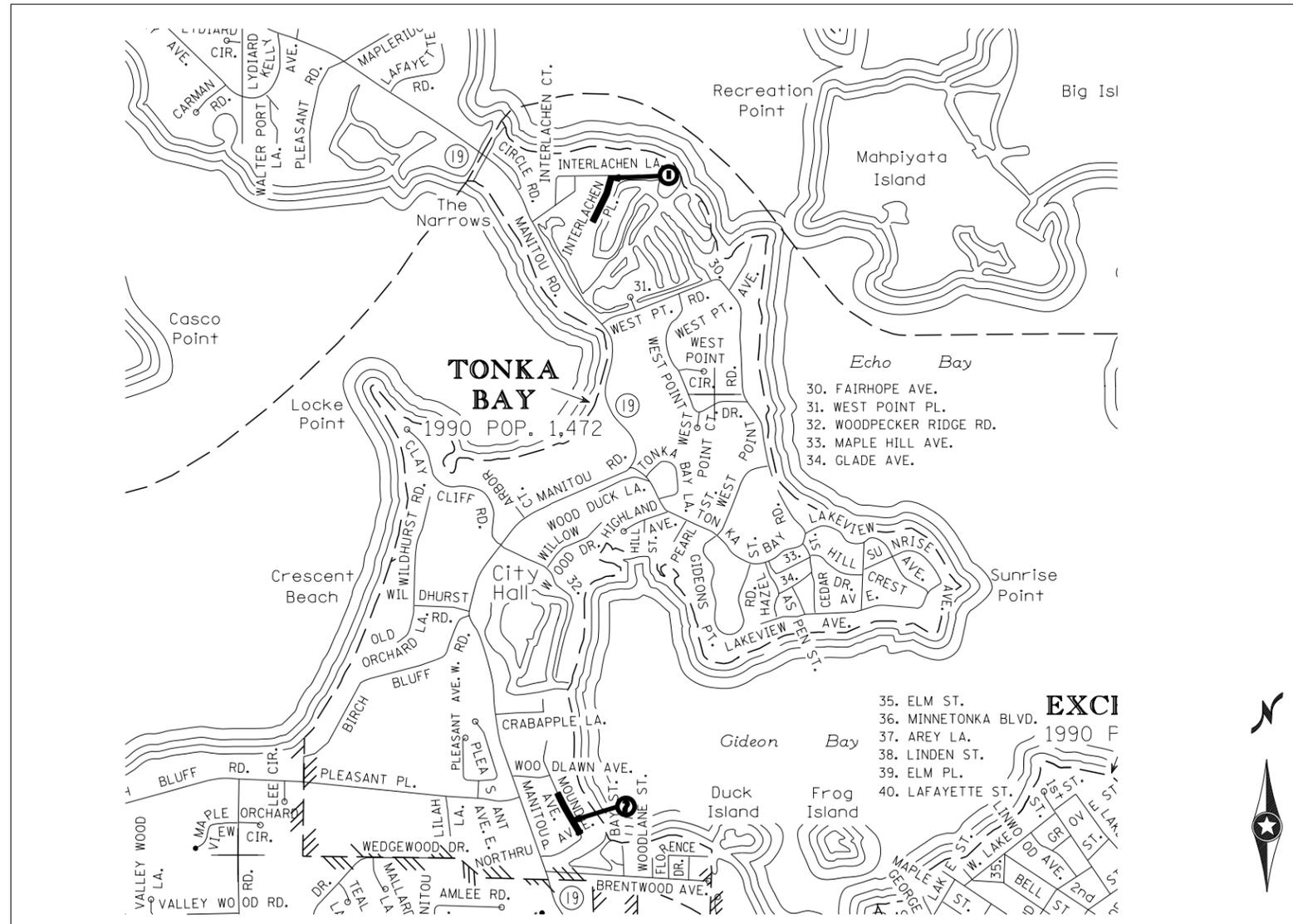
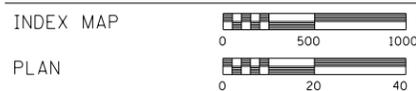
**PLAN SYMBOLS**

- STATE LINE
- COUNTY LINE
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER LINE
- EXISTING EASEMENT
- TEMPORARY EASEMENT
- PROPOSED RIGHT-OF-WAY
- PRESENT RIGHT-OF-WAY
- CONTROL OF ACCESS LINE
- PROPERTY LINES (EXCEPT LAND LINES)
- VACATED PLATTED PROPERTY
- CORPORATE OR CITY LIMITS
- TRUNK HIGHWAY CENTER LINE
- RETAINING WALL
- RAILROAD
- RAILROAD RIGHT-OF-WAY
- 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
- CATTLE 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 ROD OR PIPE
- MONUMENT (STONE, CONCRETE, OR METAL)
- WOODEN HUB
- GRAVEL PIT
- SAND PIT
- BORROW PIT
- ROCK QUARRY

**UTILITY SYMBOLS**

- POWER POLE LINE
- TELEPHONE OR TELEGRAPH POLE LINE
- JOINT TELEPHONE AND POWER ON POWER POLE
- ON TELEPHONE POLES
- ANCHOR
- STREET LIGHT
- PEDESTAL (TELEPHONE CABLE TERMINAL)
- GAS MAIN
- WATER MAIN
- CONDUIT
- TELEPHONE CABLE IN CONDUIT
- ELECTRIC CABLE IN CONDUIT
- OVERHEAD POWER
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- BURIED TELEPHONE CABLE
- BURIED ELECTRIC CABLE
- AERIAL TELEPHONE CABLE
- STORM SEWER
- SANITARY SEWER
- CONCRETE CURB AND GUTTER

**SCALES**



INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	MOUND AVENUE
3	INTERLACHEN LANE

THIS PLAN CONTAINS 3 SHEETS.

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.



477 Temperance Street  
St. Paul, MN 55101  
Tel: (651)286-8450 • Fax: (651)286-8488  
wsbeng.com

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

ENGR. Justin Messner, PE  
DATE XX/XX/XX LIC. NO. 45857



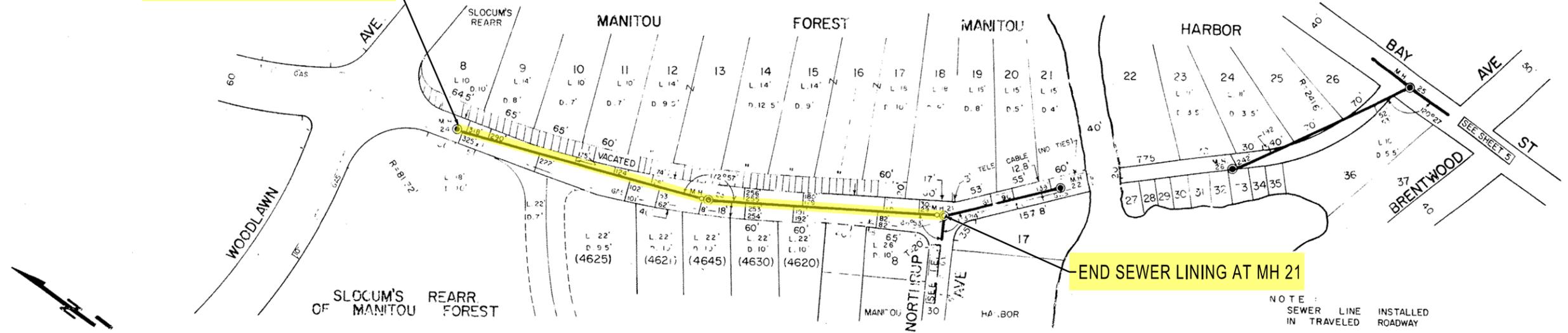
Prepared for:  
**City of Tonka Bay**  
4901 Manitou Road  
Tonka Bay, Minnesota 55331  
(952) 474-7994

THE SUBSURFACE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF PRIVATE UTILITIES HAS BEEN DESIGNATED UTILITY QUALITY LEVEL D EXCEPT ABOVE GROUND ELECTRICAL, SANITARY SEWER AND STORM SEWER, WHICH ARE QUALITY LEVEL C. THE UNDERGROUND PIPELINES CROSSING THE ROADWAY HAVE BEEN DESIGNATED UTILITY QUALITY LEVEL C. THESE QUALITY LEVELS WERE DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE DATA". THE CONTRACTOR IS TO DETERMINE THE TYPE AND LOCATION OF PRIVATE UTILITIES AS MAY BE DEEMED NECESSARY TO AVOID DAMAGE THERETO.

BEGIN SEWER LINING AT MH 24

# MOUND AVENUE

END SEWER LINING AT MH 21



NOTE: SEWER LINE INSTALLED IN TRAVELED ROADWAY

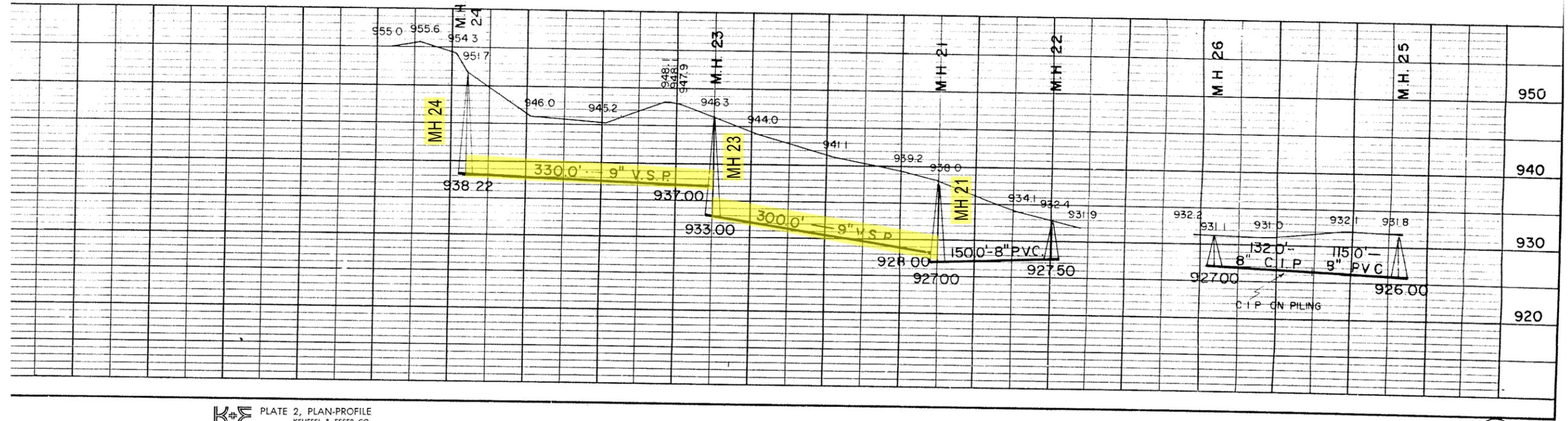


PLATE 2, PLAN-PROFILE

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NO.	DATE	BY	CHK	REVISIONS

Design By: BJP  
 Plan By: BJP  
 Checked By: JGM  
 Approved By: JGM

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

*Justin G. Messner*  
 Justin G. Messner, P.E.  
 DATE: XX/XX/XX LIC. NO: 45857

**WSB**  
 Associates, Inc.

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 St. Paul, MN 55101  
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**2016 Sanitary Sewer Lining Project**  
 for the City of  
**Tonka Bay, Minnesota**

WSB Project 01987-620

**MOUND AVENUE**

SHEET  
 2  
 OF  
 3

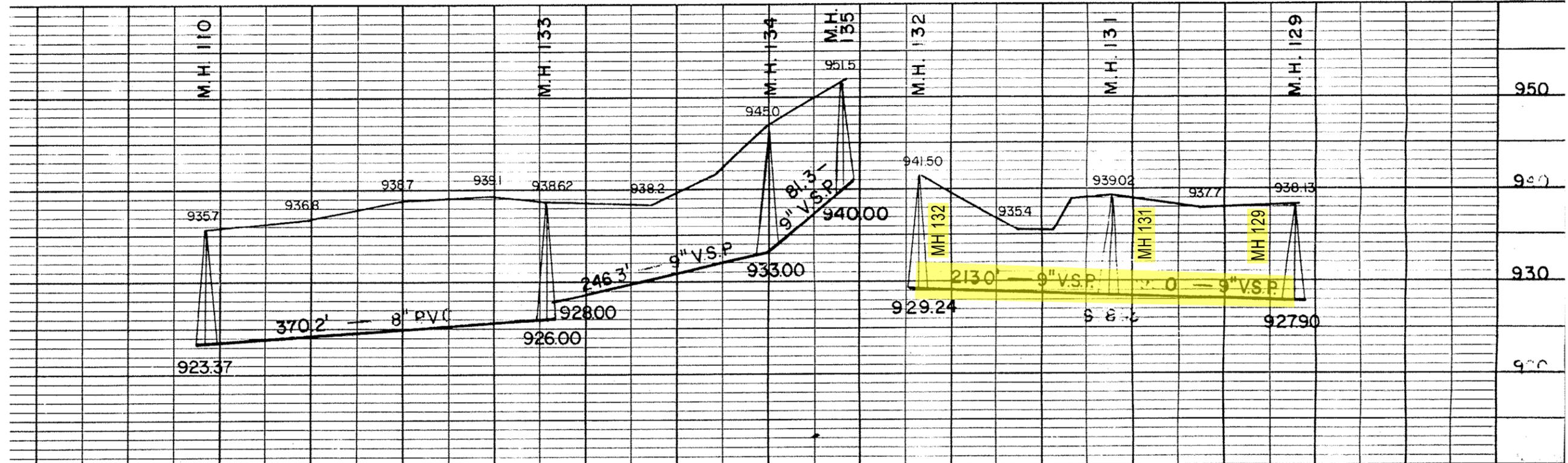
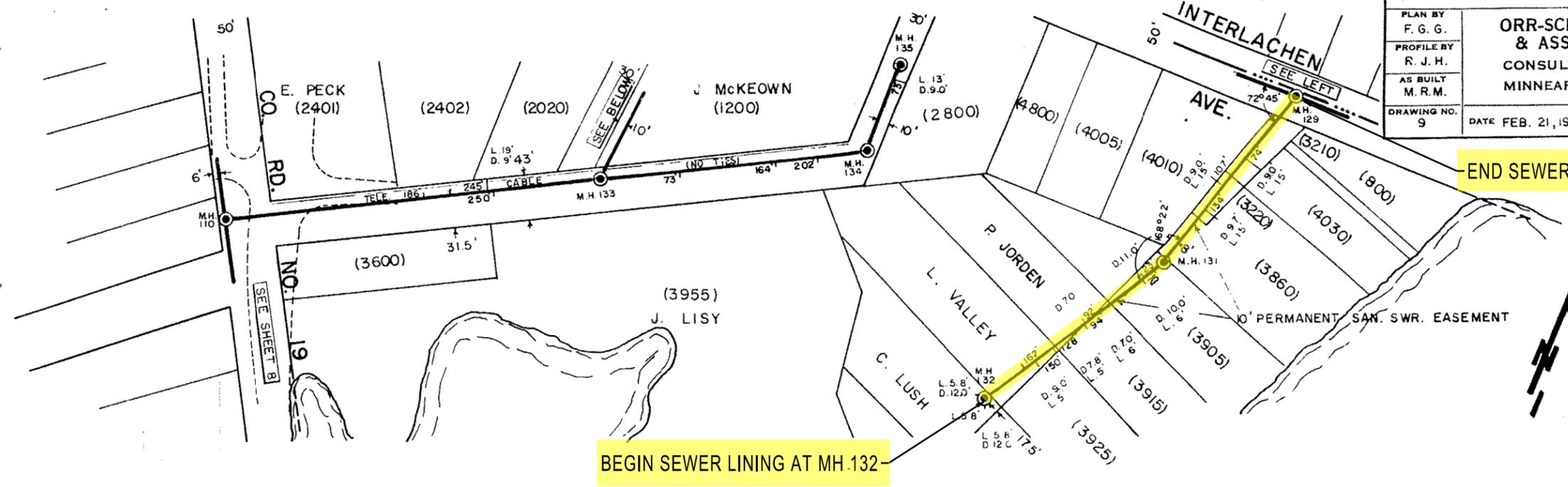
# INTERLACHEN

# LANE

# EASEMENT

## SANITARY SEWERS TONKA BAY, MINNESOTA

PLAN BY F. G. G.	ORR-SCHELEN-MAYERON & ASSOCIATES, INC. CONSULTING ENGINEERS MINNEAPOLIS, MINNESOTA	CHECKED BY R. A. H.
PROFILE BY R. J. H.		APPROVED BY R. J. H.
AS BUILT M. R. M.		PROJECT NO. 63-1
DRAWING NO. 9	DATE FEB. 21, 1964	SCALE- HOR. 1" = 100' VERT. 1" = 10'
		COMM. NO.



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3/24/2016 9:42:28 AM

NO.	DATE	BY	CHK	REVISIONS

Design By: BJP  
Plan By: BJP  
Checked By: JGM  
Approved By: JGM

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INTERLACHEN PLACE

SHEET  
3  
OF  
3