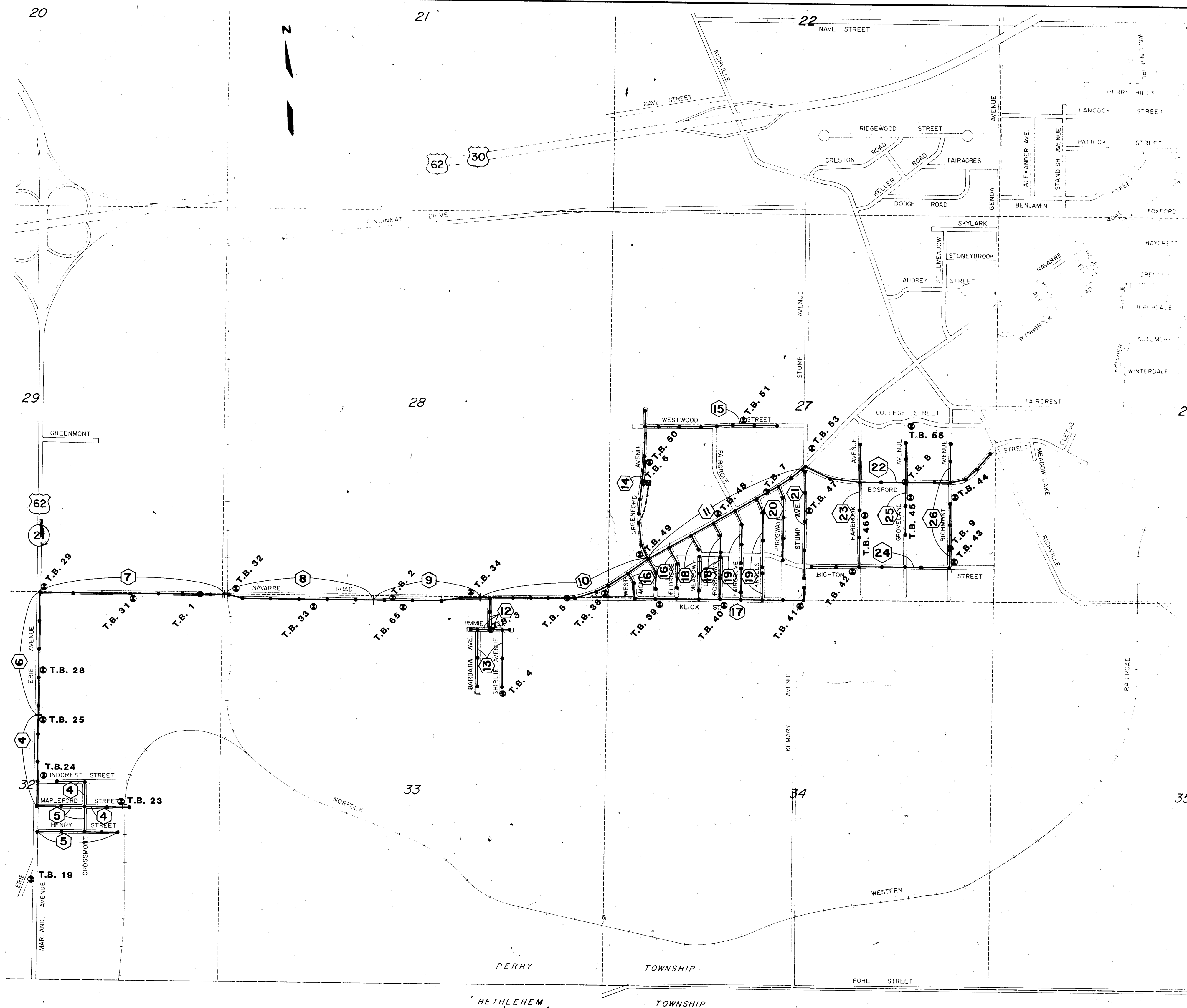


[illegible][illegible][illegible]



UTILITIES

The following utilities and owners are located within the work limits of this project:

Stark County Sanitary Engineer
Stark County Office Building
209 West Tuscarawas Street
Canton, Ohio 44702
Notify: Michael S. Armogida, P.E.
Director, Sanitary Engineering
(216) 438-0778

Stark County Engineer
209 West Tuscarawas Street
Canton, Ohio 44702
Notify: Joseph Sturtevant
County Engineer
(216) 477-6781

(M) Ohio Bell Telephone Company
832 McKinney Avenue, N.W.
Canton, Ohio 44703
Notify: Phil Byhom
District Manager - Distribution Services
(216) 489-2632

Ohio Power Company
120 Central Plaza South
Canton, Ohio 44702
Notify: Irv Miller
(216) 455-8931

Ohio Department of Transportation
District No. 4
105 Oakwood Street
Ravenna, Ohio 44266
Notify: Ernie Moravec
Permit Supervisor
(216) 297-0801

(M) East Ohio Gas Company
Gas Supply Operations Division
7015 Freedom Street, N.W.
North Canton, Ohio 44720
Notify: Thomas J. Wiese
Supervisor
(216) 499-2501

(M) East Ohio Gas Company
Distribution Division
332 Second Street, N.W.
Canton, Ohio 44702
Notify: Engineering Dept.
(216) 438-6131

(M) Designates member organizations of Ohio Utility Protection Service. Call 1-800-362-2764.

UTILITIES NOTIFICATION

At least two working days prior to commencing construction operations in an area which may involve underground utility facilities, the Contractor shall notify the Project Engineer, the registered utility protection service and the owners of each underground utility facility shown in the plans.

The owner of the underground utility facility shall, within forty-eight hours, excluding Saturdays, Sundays, and Legal Holidays, after notice is received, stake, mark or otherwise designate the location of the underground utility facilities in the construction area in such a manner as to indicate their course together with the approximate depth at which they were installed. The marking or locating shall be coordinated to stay approximately two days ahead of the planned construction.

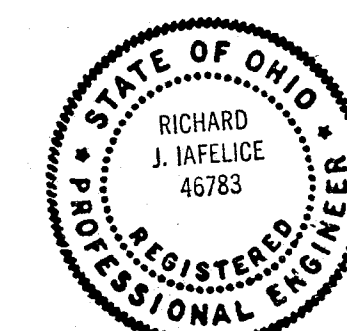
LEGEND

- - INDICATES PROPERTY OWNERS
SEE INDEX SHEETS 3 - 3B
- - BASEMENT ELEVATIONS
IN PROFILE
- - PERMANENT EASEMENT
- - TEMPORARY EASEMENT
- - PVC SDR 26 PIPING REQUIRED

FLOYD G. BROWN DISCLAIMER:

"These drawings were prepared on the basis of information available on April 1, 1965.
Floyd G. Browne and Associates, Limited assumes no responsibility for the effect,
if any, on the contents of the drawings of circumstances occurring or information becoming
available after such date. Likewise, Floyd G. Browne and Associates, Limited assumes no
responsibility for revisions, if any, made to the drawings after such date or by anyone else.

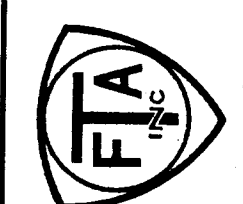
These drawing have been revised and updated by Frank A. Thomas and Associates, Inc.
and reflect the existing conditions at the time of bidding."



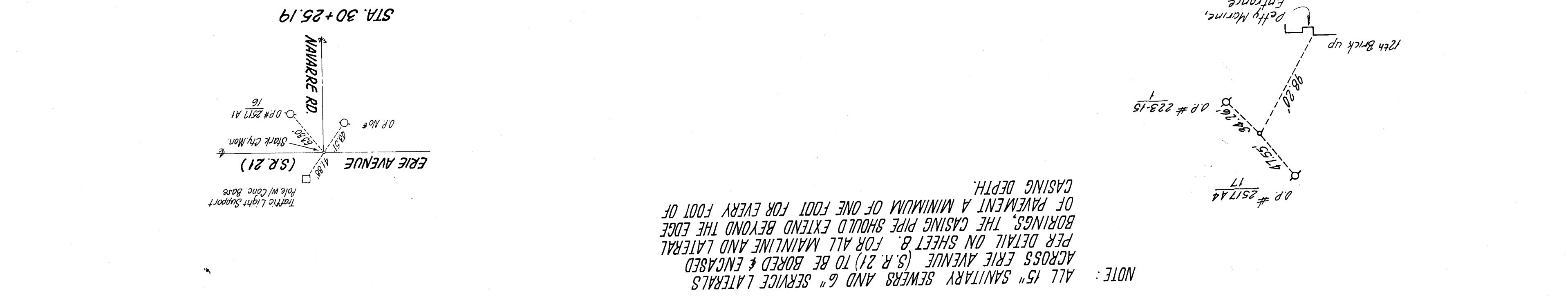
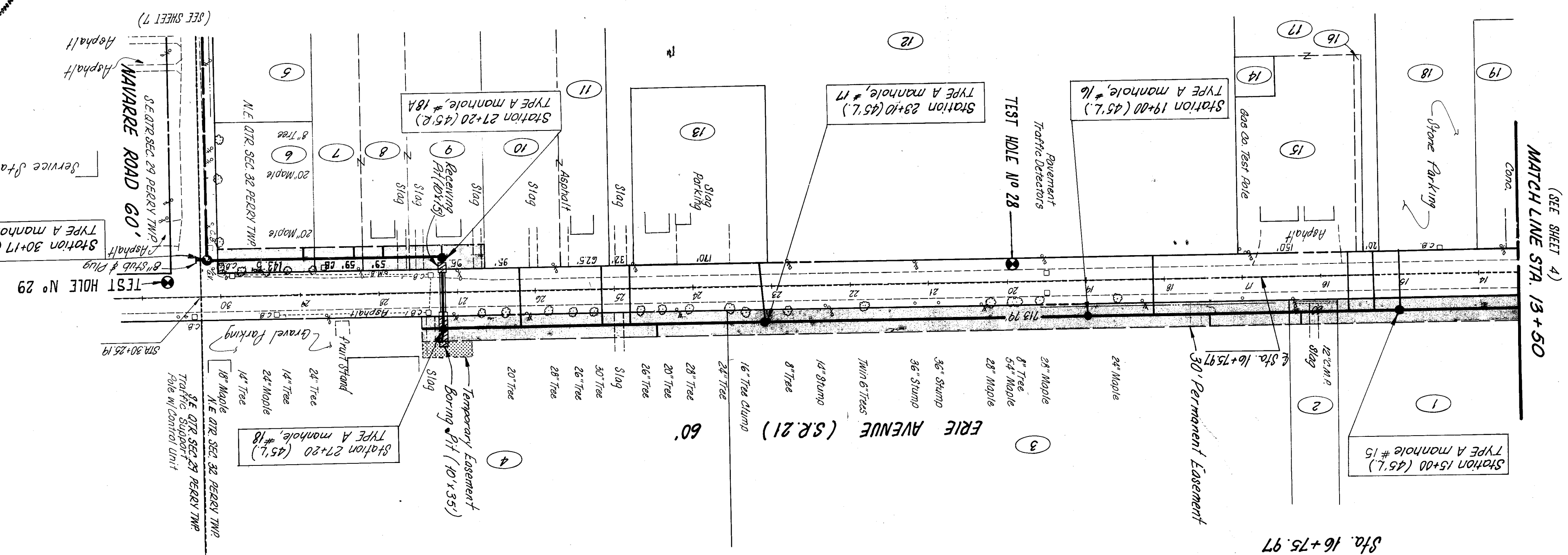
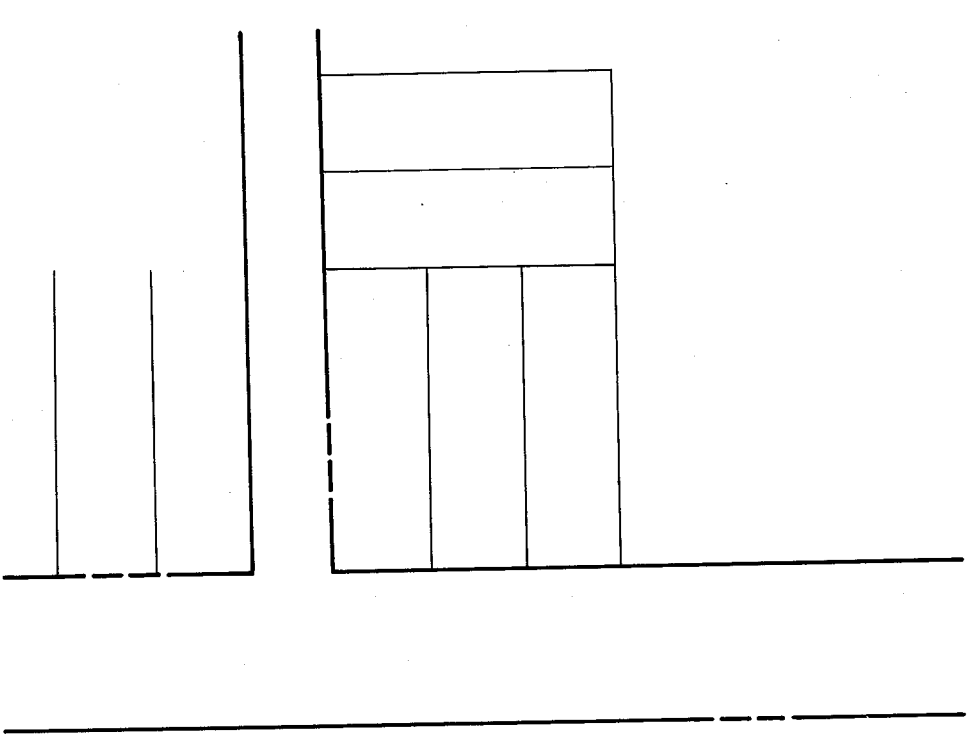
DRAWN BY: ALC JAS
CHECKED BY: RJJ
DATE: FEBRUARY '84

FRANK A. THOMAS & ASSOCIATES, INC.
CONSULTING ENGINEERS
WILLOUGHBY, OHIO

STARK COUNTY, OHIO
PROJECT NO. 352
SEWER AND SOIL BORING SCHEMATIC



SCALE: 1"=800'
VERT.
2 of 32 SHEETS



NOTE: ALL 15" SANITARY SEWERS AND 6" SERVICE LATERALS ACROSS ERIE AVENUE (S.R. 21) TO BE BORED & ENGAGED BORINGS. THE CASING PIPE SHOULD EXTEND BEYOND THE EDGE OF PAVEMENT A MINIMUM OF ONE FOOT FOR EVERY FOOT OF CASING DEPTH.

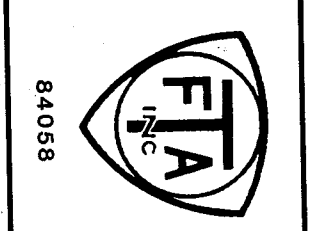
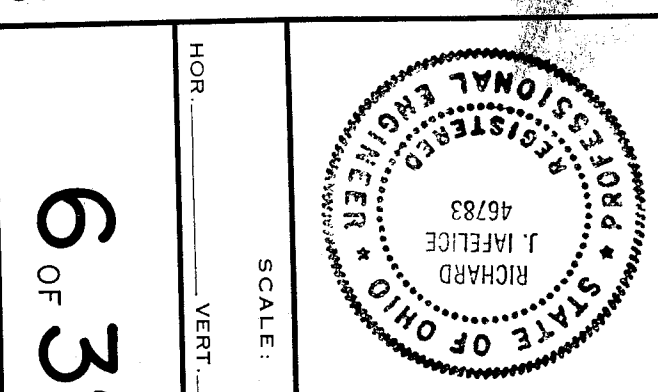
NO.	REVISION	DATE	BY	APP'D.
1	REVISED BORING NOTE PER O.D.T. REQUIREMENTS	12-85	T.E.H.	R.J.I.
FRANK A. THOMAS & ASSOCIATES, INC. CONSULTING ENGINEERS WILLOUGHBY, OHIO				

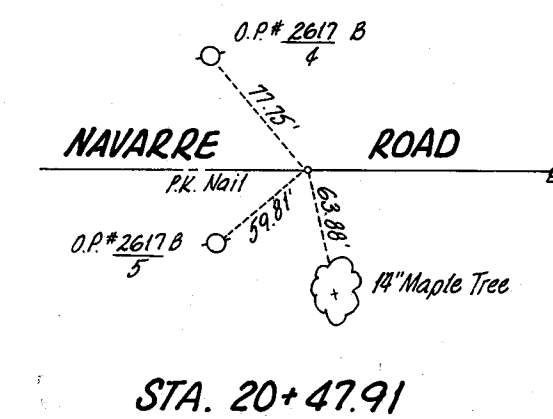
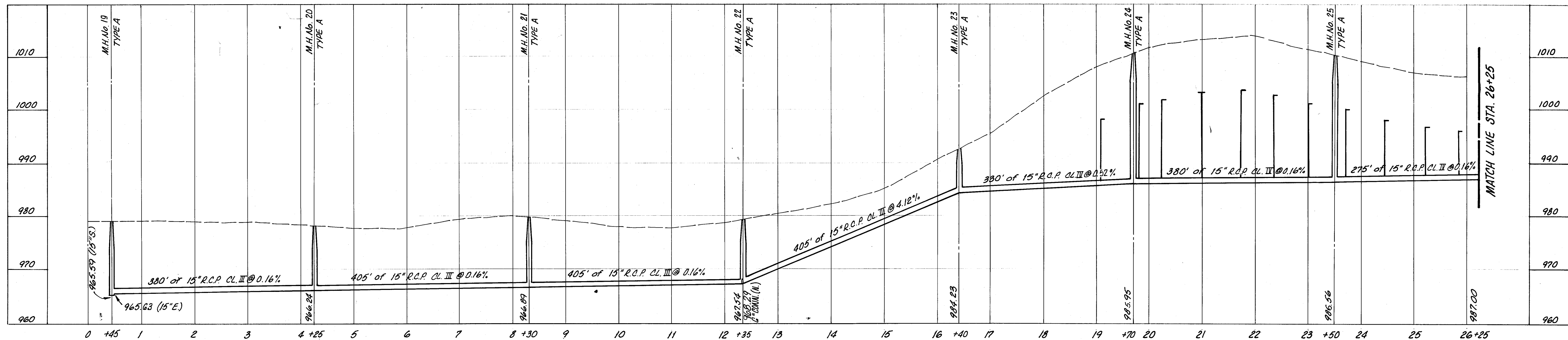
SCALE: _____
 HORIZ. _____
 VERT. _____
 6 OF 32 SHEETS
 84008

STARK COUNTY, OHIO
 SANITARY SEWER IMPROVEMENTS
 PROJECT NO. 352
 PLAN AND PROFILE

FRANK A. THOMAS & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 WILLOUGHBY, OHIO

NO.	REVISION	DATE	BY	APP'D.
1	REVISED BORING NOTE PER O.D.T. REQUIREMENTS	12-85	T.E.H.	R.J.I.
FRANK A. THOMAS & ASSOCIATES, INC. CONSULTING ENGINEERS WILLOUGHBY, OHIO				

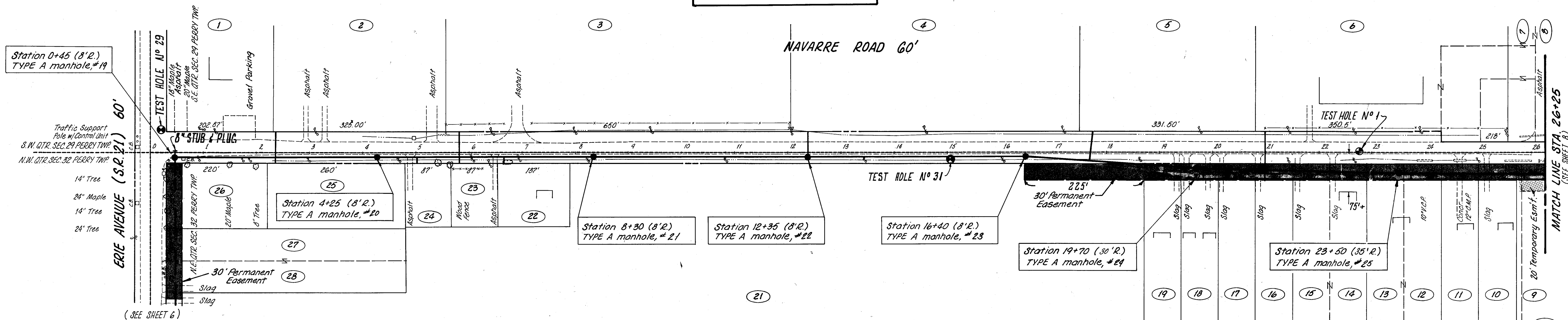




NOTE:
ALL 6" x 8" CONNECTIONS ACROSS NAVARRE ROAD
TO BE BORED AND ENCASED PER DETAIL ON SHEET 8.
EXTEND CASING PIPES 5' BEYOND EACH EDGE
OF PAVEMENT.

NOTE:
SHEETING, AS PER ITEM 7A OF THE SPECIFICATIONS,
SHALL BE LEFT IN PLACE ALONG THE SOUTH SIDE OF THE
TRENCH BETWEEN STA. 22+00 AND STA. 23+00.

NAVARRE ROAD
TYPE 21 B PAVEMENT REPLACEMENT



BENCH MARK
Railroad Spike in power pole 2517-AL
n.e. corner Route 21 & Navarre Road
Elevation 980.695

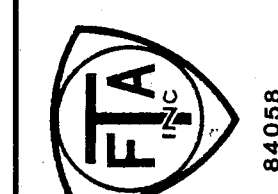
BENCH MARK
Railroad Spike in telephone pole 33
south side of Navarre Road
Elevation 983.400

BENCH MARK
Railroad Spike in power pole 2517-B
n. side of Navarre Road
Elevation 1009.920

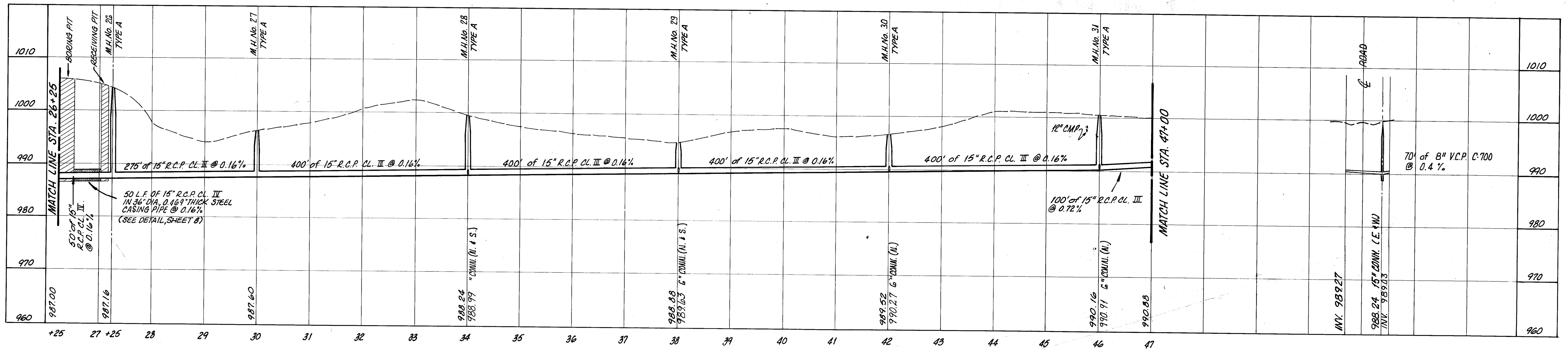


FRANK A. THOMAS & ASSOCIATES, INC.
CONSULTING ENGINEERS
WILLOUGHBY, OHIO

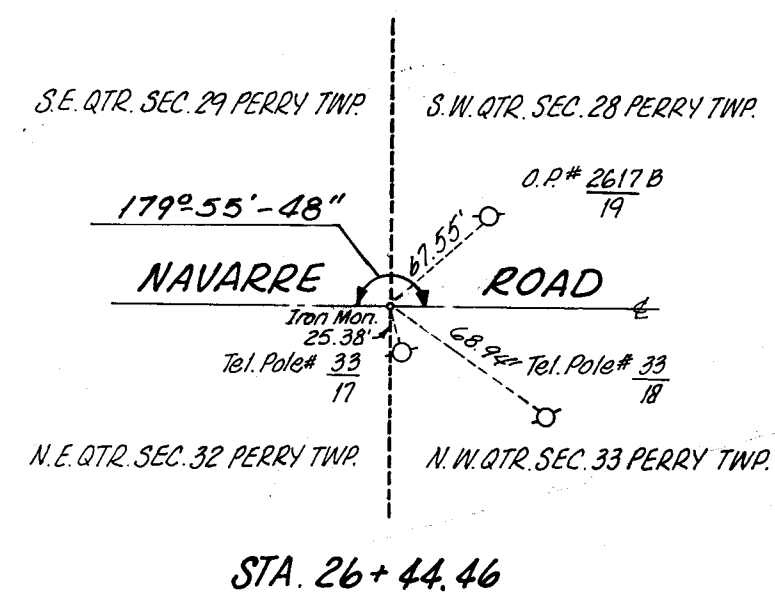
STARK COUNTY, OHIO
SANITARY SEWER IMPROVEMENTS
PROJECT NO. 352
PLAN AND PROFILE



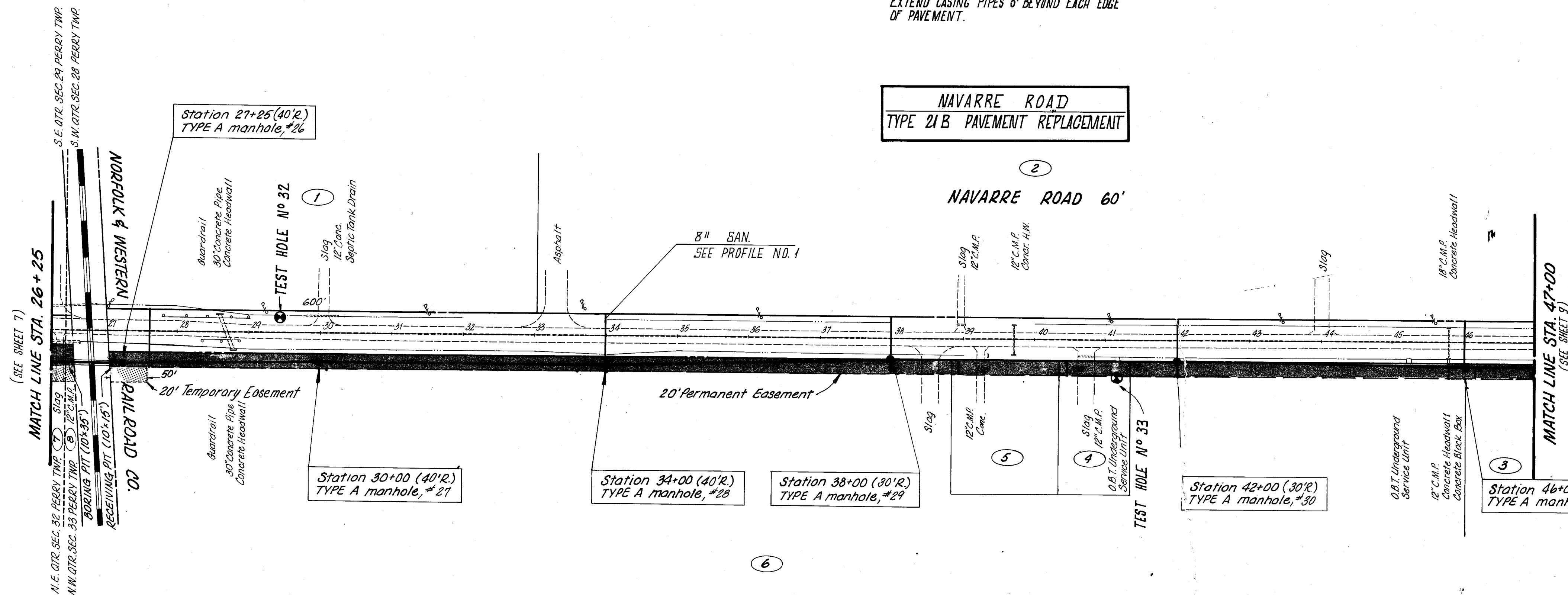
SCALE: VERT. 1"=10'
HOR. 1"=40'
7 OF 32 SHEETS



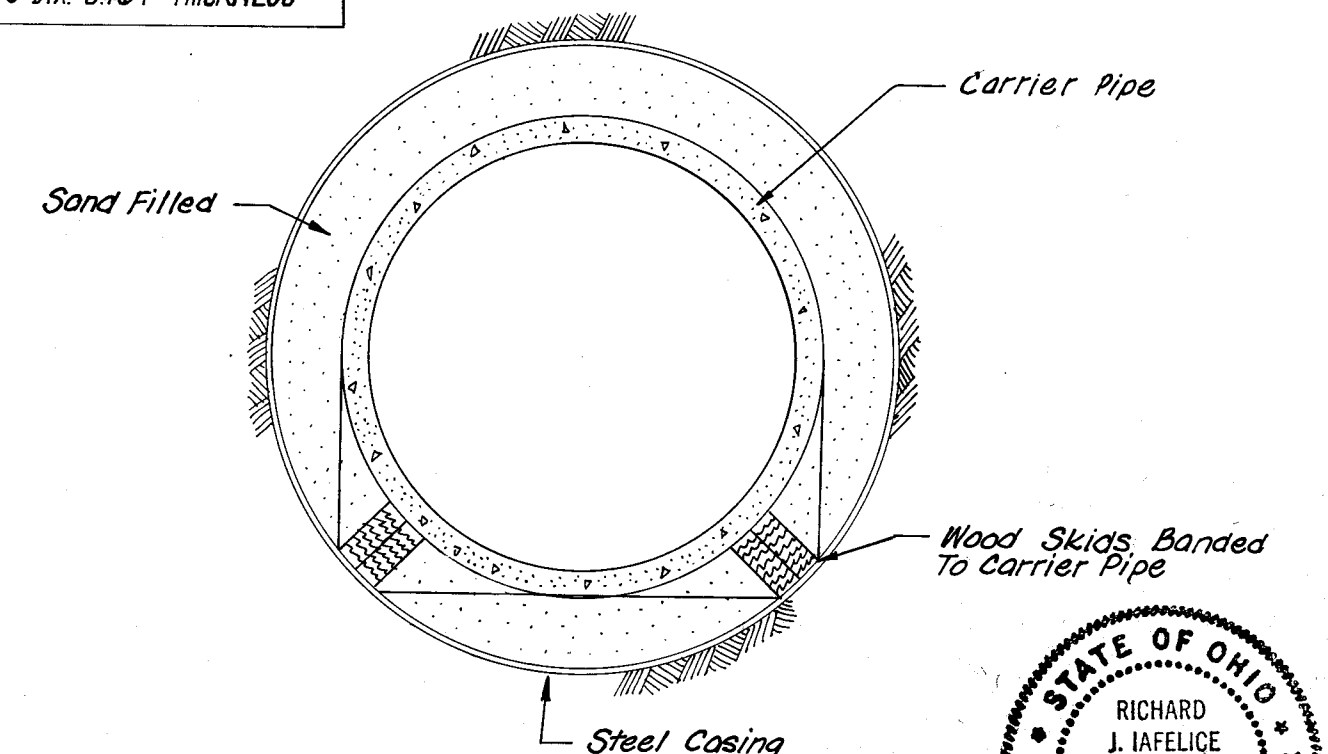
PROFILE NO. 1



NOTE:
ALL 6" & 8" CONNECTIONS ACROSS NAVARRE ROAD
TO BE BORED AND ENCASED AS PER THIS SHEET.
EXTEND CASING PIPES 6' BEYOND EACH EDGE
OF PAVEMENT.

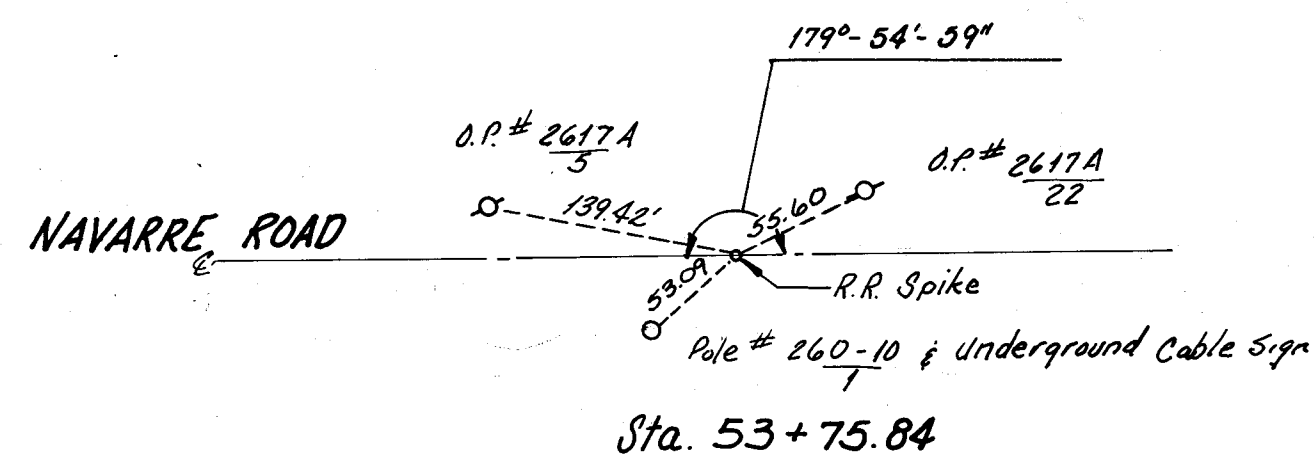
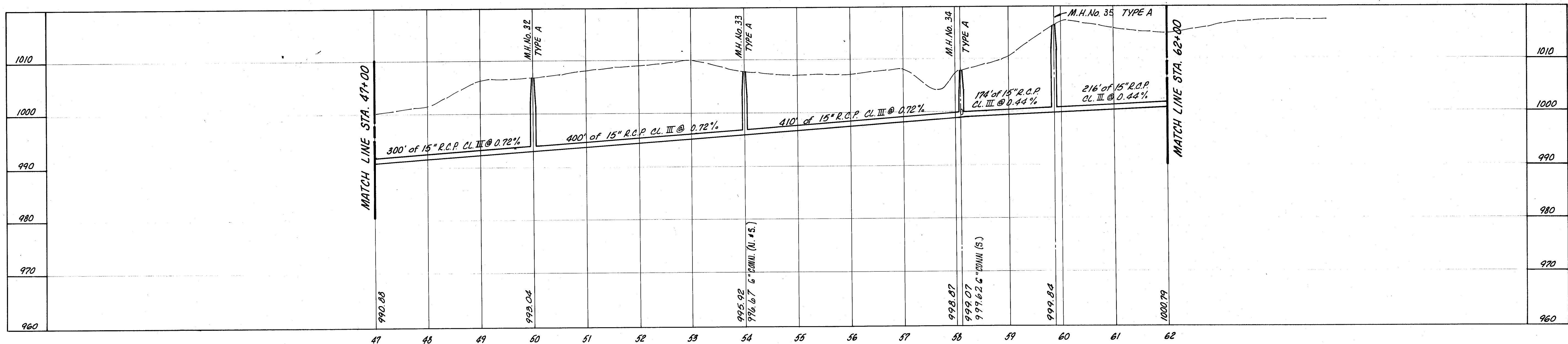


CARRIER PIPE	STEEL CASING PIPE
6" DIA.	12" DIA. - 0.188" THICKNESS
8" DIA.	16" DIA. - 0.219" THICKNESS
15" DIA.	36" DIA. - 0.469" THICKNESS

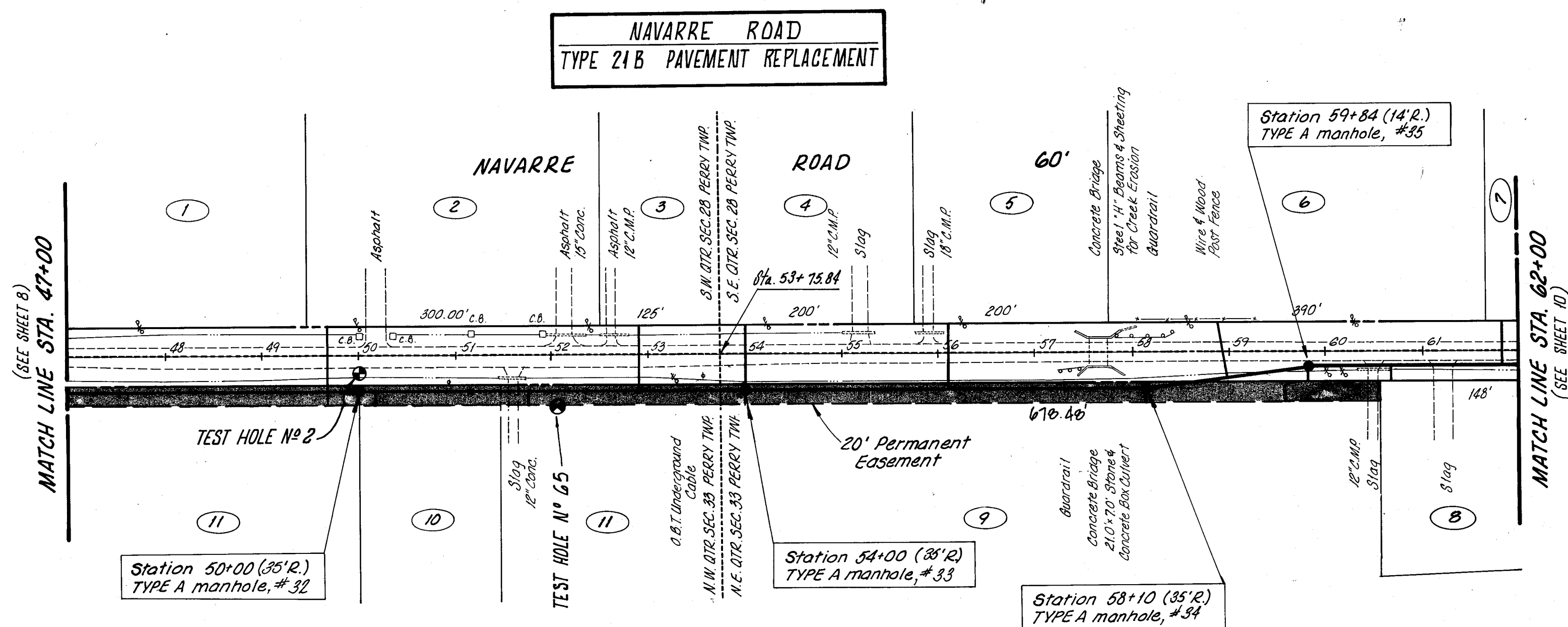


BORING DETAIL
NO SCALE

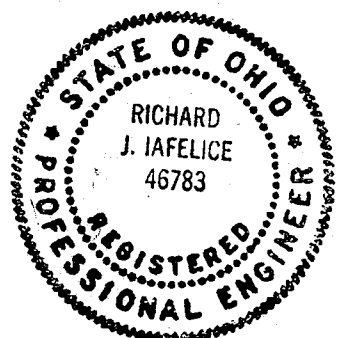




NOTE:
ALL 6" & 8" CONNECTIONS ACROSS NAVARRE ROAD
TO BE BORED AND ENCASED PER DETAIL ON SHEET B.
EXTEND CASING PIPES 5' BEYOND EACH EDGE
OF PAVEMENT.



BENCH MARK
Railroad Spike in power pole 2417.4
w/ drive Emmanuel Christian Church
Elevation 1010.340



SCALE:
HOR. VERT.

9 OF 32
SHEETS

STARK COUNTY, OHIO
SANITARY SEWER IMPROVEMENTS
PROJECT NO. 352
PLAN AND PROFILE

FRANK A. THOMAS & ASSOCIATES, INC.
CONSULTING ENGINEERS
WILLOUGHBY, OHIO

DRAWN BY:
CHECKED BY:
DATE: