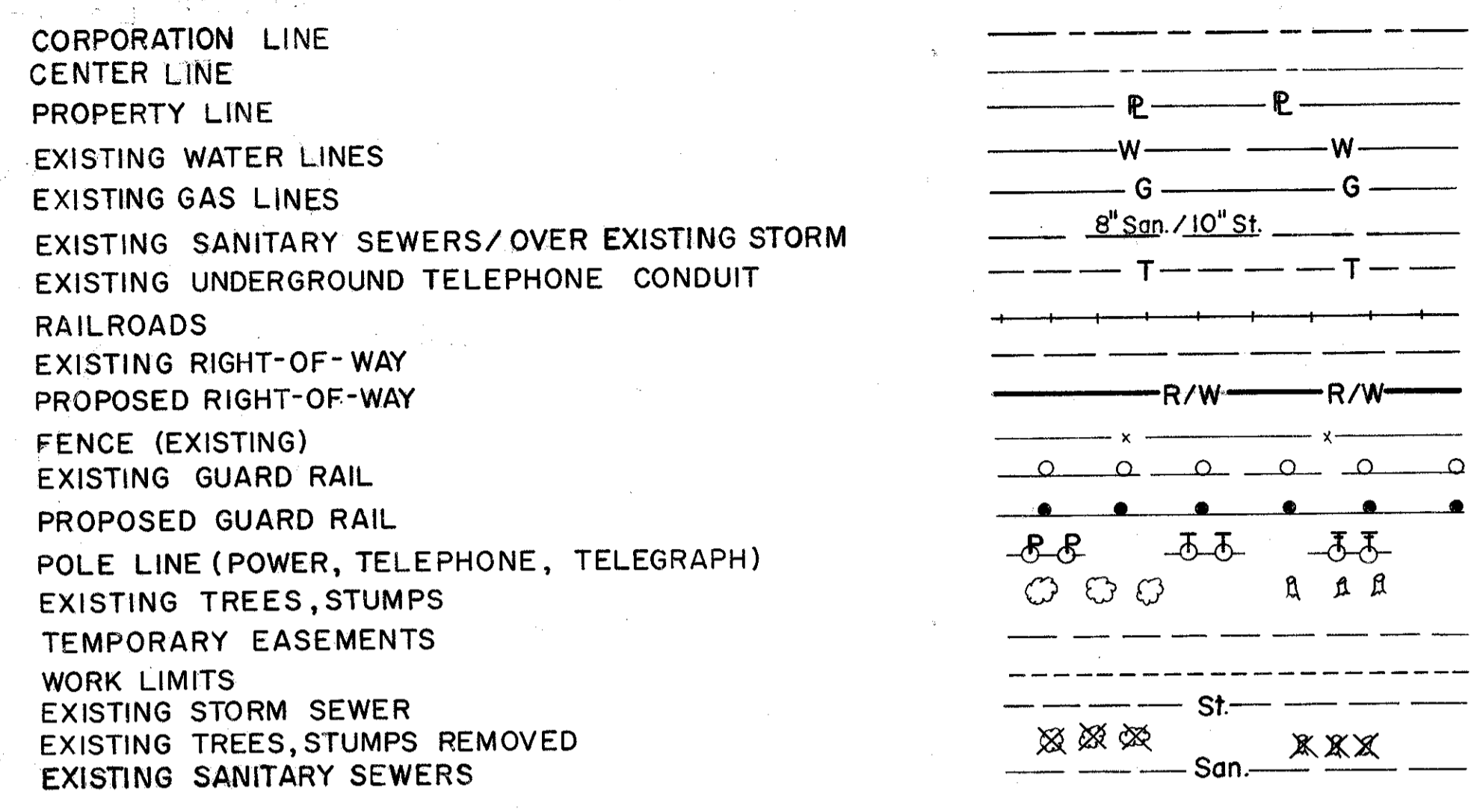


61-9 FILMED 6 1983

CONVENTIONAL SIGNS



INDEX

TITLE SHEET 1
 SCHEMATIC PLAN & DESIGN DESIGNATION 2
 TYPICAL SECTIONS 3-5
 DRIVEWAY & MISCELLANEOUS DETAILS 6-9, 9A
 GENERAL NOTES 10-12
 GENERAL SUMMARY 13-14
 SUPERELEVATION TABLE 15
 VINE STREET PLAN & PROFILE 16-17
 ERIE STREET PLAN & PROFILE 18-20
 U.S. 20 PLAN & PROFILE 21-28
 VINE STREET CROSS SECTIONS 29-30
 ERIE STREET CROSS SECTIONS 31-33
 U.S. 20 CROSS SECTIONS 34-41
 PAVEMENT DETAILS & QUANTITIES 42-44
 TRAFFIC CONTROL 45-55
 LIGHTING 56-61
 STRUCTURES OVER 20' SPAN 62-75A
 RIGHT OF WAY 76-85

LINE DATA
 F-69(9) PROJECT Sta. 98+63 Erie St. - Sta. 100+00 Erie St. = 137.00 L.F.
 Sta. 100+00 Erie St. = 10+00 Mentor Ave.
 Sta. 10+00 Mentor Ave. - Sta. 11+00 Mentor Ave. = 100.00 L.F.
 Sta. 26+00 Mentor Ave. - Sta. 32+47.99 Mentor Ave. = 647.99 L.F.
 Length of Project 884.99 L.F. = 0.167 Mi.
 BRF-69(9) PROJECT Sta. 11+00 Mentor Ave. - Sta. 26+00 Mentor Ave. = 1500.00 L.F.
 Length of Project 1500.00 L.F. = 0.284 Mi.
 F-69(9) WORK Sta. 97+09 Erie St. - Sta. 106+10 Erie St. = 901.00 L.F.
 Sta. 4+45 Vine St. - Sta. 9+70 Vine St. = 525.00 L.F.
 Sta. 10+30 Mentor Ave. - Sta. 11+00 Mentor Ave. = 70.00 L.F.
 Sta. Eq. Sta. 32+47.99 Bk. Mentor Ave. = Sta. 11+00 Ah. Mentor Ave.
 Sta. 26+00 Mentor Ave. - Sta. 12+80 Mentor Ave. = 827.99 L.F.
 Length of Work = 2323.99 L.F. = 0.440 Mi.
 BRF-69(9) WORK Sta. 11+00 Mentor Ave. - Sta. 26+00 Mentor Ave. = 1500.00 L.F.
 Length of Work = 1500.00 L.F. = 0.284 Mi.
 F-BRF-69(9) Total Length of Project = 2384.99 L.F. = 0.451 Mi.
 Total Length of Work = 3823.99 L.F. = 0.724 Mi.

STATE OF OHIO
 DEPARTMENT OF TRANSPORTATION

(5.60)
 LAK - 20 - 5.54

LAKE COUNTY
 CITY OF WILLOUGHBY

F-BRF-69(9)

FHWA REGION	STATE	PROJECT	
5	OHIO	F-BRF-69(9)	1/85

LAKE COUNTY
 LAK-20-5.54

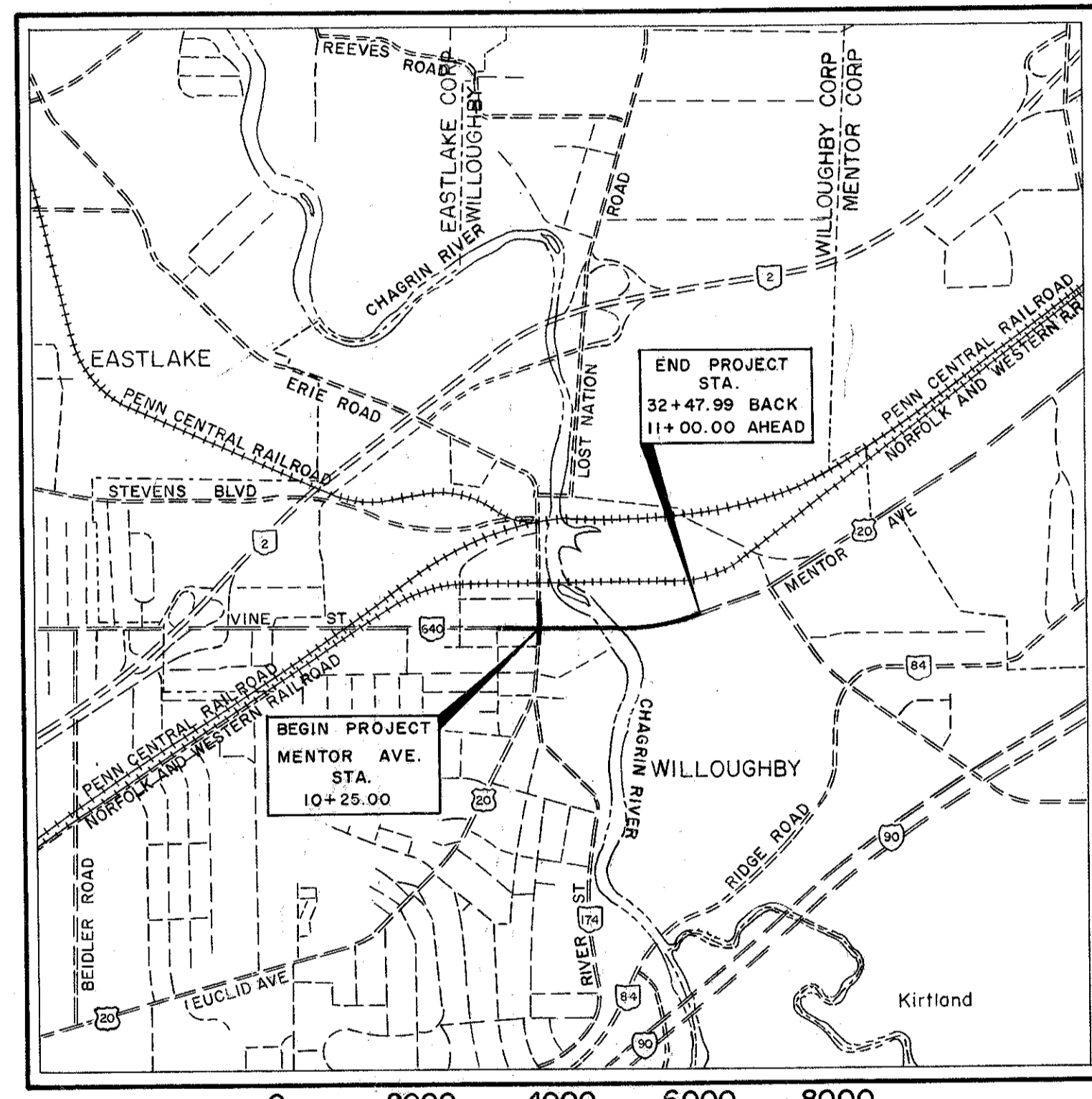
Project designation LAK-20-5.60 appearing throughout this plan shall be considered to read LAK-20-5.54

1977 SPECIFICATIONS

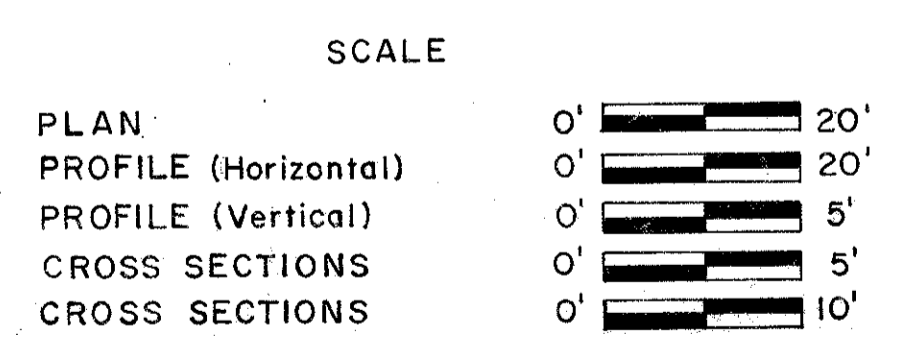
The standard specifications of the State of Ohio, Department of Transportation including changes and supplemental specifications listed in the proposal shall govern this improvement.

The Right-of-Way for this improvement will be provided by the State of Ohio. I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and that detours will be provided as indicated on the plans, see sheet 2.

MICROFILMED
 JUL 14 1987



APPROVED: Thomas C. Rejzler
 DATE: 11/1/77 CITY ENGINEER
 APPROVED: Thomas P. Hillis P.E.
 DATE: 11-1-77 COUNTY ENGINEER
 APPROVED: Thomas M. Krall
 DATE: 11-17-77 DISTRICT DEPUTY DIRECTOR OF TRANSPORTATION
 APPROVED: Robert B. Pfeiffer
 DATE: 2-17-78 ENGINEER, BUREAU OF BRIDGES AND STRUCTURAL DESIGN
 APPROVED: R.E. Latta
 DATE: 5-8-78 CHIEF ENGINEER, PLANNING AND DESIGN
 APPROVED: David F. Weir
 DATE: 5-8-78 DIRECTOR, DEPARTMENT OF TRANSPORTATION



STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECS		SUPPLEMENTAL SPECS.	
DWG. NO.	DATE	DWG. NO.	DATE	DWG. NO.	DATE	DWG. NO.	DATE	DWG. NO.	DATE	SPEC. NO.	DATE	SPEC. NO.	DATE
BP-1	6-1-65	CB-2-2-A&B	6-1-65	SD-1-69, SH-314	6-12-69	TC-42.20	4-1-77	S 625	1-11-74	801	4-25-77		
BP-3	12-6-76	CB-3	1-1-76	HL-1	9-6-73	HL-12	4-6-73	TC-52.10	4-1-77	S 713	1-11-74	847	4-3-76
BP-4	12-6-76	CB-3A	1-1-76	HL-2, HL-3	7-27-73	I-2A	6-6-69	TC-52.20	4-1-77	839	11-25-70	838	1-13-77
BP-5	8-11-75	MH-1, MH3, MH5	6-12-75	HL-4	1-21-76	MC-1	6-13-69	TC-71.10	12-1-75	842	8-29-74	948	2-19-74
BP-6	6-1-65	GR-1	12-6-76	HL-5	9-6-73	MC-3	6-1-73	TC-82.10	9-5-75	843	10-23-75	845	6-27-77
BP-7	12-6-76	GR-2B	12-6-76	HL-7	1-21-76	MC-4	7-26-76	TC-83.10	9-5-75	844	11-8-74	850	6-27-77
BP-12	8-11-75	GR-3B	12-6-76	HL-8	1-21-76			TC-83.20	9-5-75	814	1-1-69	927	1-1-71
AS-1-72 SH.1 OF 2	6-30-72	GR-4	12-6-76	HL-9	3-22-77	HL-19	3-22-77	TC-84.20	9-5-75	808	1-1-71	1001	1-3-77
BP-10	1-3-75	GR-6	1-1-71	HL-10	1-21-76	TC-22.10	10-1-74	TC-85.10	9-5-75	836	3-12-75		
F5B-1-62	1-15-63	HW-4	1-1-70	HL-11	4-6-73	TC-41.20	4-1-77	TC-85.20	9-5-75				

PREPARED AND RECOMMENDED BY
 FRANKLIN CONSULTANTS INC.
 CONSULTING ENGINEERS
 COLUMBUS, OHIO

FILE NO. LAK-20-5.54
 DATE OF LETTING _____
 CONTRACT NO. _____

476R
 DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 APPROVED: _____
 DIVISION ADMINISTRATOR
 DATE _____

000557