

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

LAK - 174 - 4.39

CITY OF WILLOUGHBY  
LAKE COUNTY

MICROFILMED  
JUL 21 1999

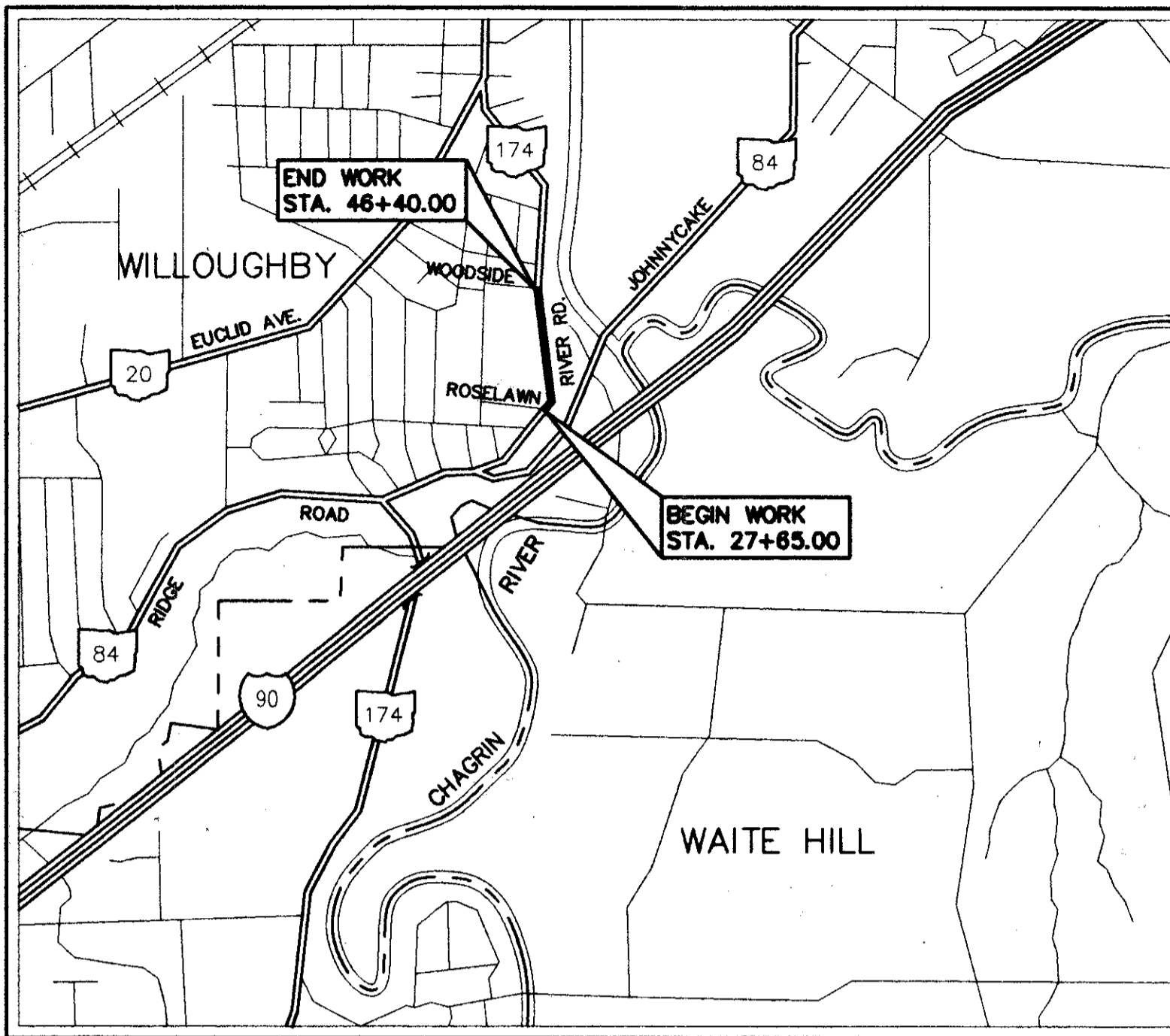
PROJECT DESCRIPTION

UPGRADING RETAINING WALLS ALONG THE  
EAST SIDE OF STATE ROUTE 174 (RIVER RD.).

1997 SPECIFICATIONS

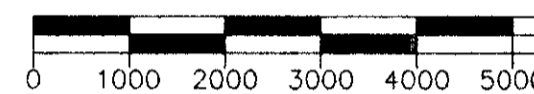
THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

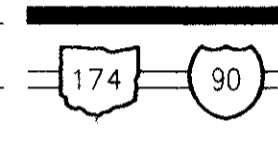


LAT: 41° 37' 30" N  
LONG: 81° 26' 30" W

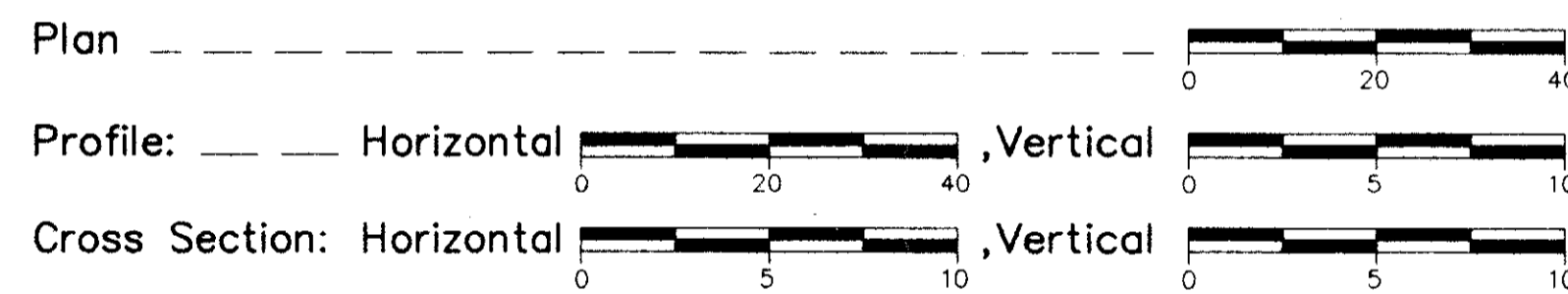
LOCATION MAP  
SCALE IN FEET



Portion to be improved  
State & Federal Routes  
Other Roads



SCALES



DESIGN DESIGNATION

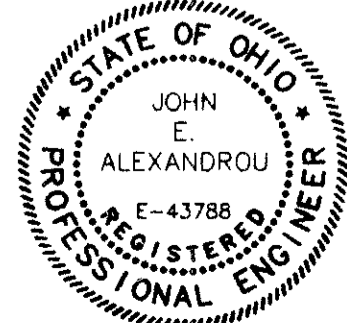
Current Year 1994 A.D.T. 4790  
Design Year 2014 A.D.T. 6160  
D.H.V. 616  
D .55  
T .02  
DESIGN SPEED 40 M.P.H.  
LEGAL SPEED 35 M.P.H.  
FUNCTIONAL CLASSIFICATION - URBAN COLLECTOR  
DESIGN EXCEPTIONS NONE

INDEX OF SHEETS

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UNDERGROUND UTILITIES  
TWO WORKING DAYS  
**BEFORE YOU DIG**  
CALL 800-362-2764 (TOLL FREE)  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS MUST BE CALLED DIRECT

Plan Prepared By:  
**CT Consultants, Inc.**  
Engineers • Architects • Planners  
Willoughby • Mentor • Columbus • Lorain • North Canton • Youngstown  
35000 Kaiser Court • Willoughby, Ohio 44094  
(216) 951-9000



REGISTERED ENGINEER No. E-43788

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
GR-1.1M	11-30-94	TC-41.10M	3-31-94		
GR-1.2M	1-3-96	TC-41.20M	7-1-94		
GR-1.3M	11-30-94	TC-52.10M	7-23-94		
GR-2.1M	11-30-94	TC-52.20M	7-23-94		
GR-2.2M	1-3-96				
MC-9.2	5-6-91	PCB-91	4-24-92		
MC-11	8-1-78	PCB-DD	4-24-92		
		BP-5.1M	10-28-94		
MT-105.10M	4-25-94				
MT-105.11M	4-25-94				

APPROVED *David Doyle*  
DATE 12 NOV 97 DISTRICT DEPUTY DIRECTOR

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ DEPUTY DIRECTOR, DIVISION OF DESIGN

APPROVED *Greg J. Fry*  
DATE 12-11-97 DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. STP  
PID NO. PID 12177  
CONSTRUCTION PROJECT NO.  
RAILROAD INVOLVEMENT NONE  
LAK - 174 - 4.39  
1/47

LAK-174-4.39  
980136  
47PGS  
03-31-98  
DIST. 12

DATE: 09-20-96 - TIME: 08:04 - H:\CT\93119\CAD2\9311901.DWG