

MICROFILMED
OCT 6 1982

APR 14 1980

U-RF-430(15)

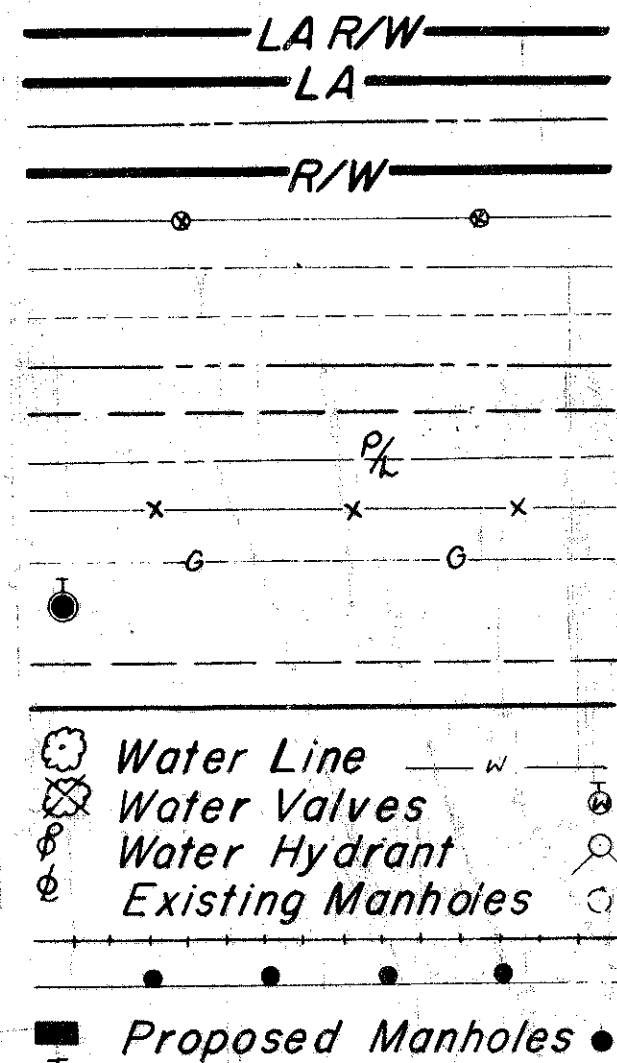
FHWA REGION	STATE	PROJECT
5	OHIO	U-RF-430(15)

1
462

BELMONT & JEFFERSON COUNTIES
BEL-7-23.74 JEF-7-0.00

CONVENTIONAL SIGNS

Limited Access R/W
Limited Access Only
Existing R/W
Proposed R/W
Proposed R/W Fence
Center Line
Section Line
County Line
Township Line
Property Line
Existing Fence Line
Gas Line
Gas Valve
Existing Sewer
Proposed Sewer
Trees & Stumps
Trees & Stumps to be Removed
Power Pole
Light Pole
Railroads
Proposed Guard Rail
Proposed Catch Basin
Telephone or Telegraph Pole
Manholes Reconstructed or Adjusted
Existing Catch Basins
Existing Guard Rail
State Line
Construction Limits



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LINE DATA SUMMARY

Length of U-430(15) Project = 72320 L.F. or 0.136 Mi.
Length of RF-430(15) Project = 16,102.66 L.F. or 3.050 Mi.
TOTAL NET LENGTH OF PROJECT = 16,825.86 L.F. or 3.186 Mi.

Length of U-430(15) Work = 134820 L.F. or 0.255 Mi.
Length of RF-430(15) Work = 16,102.66 L.F. or 3.050 Mi.
TOTAL NET LENGTH OF WORK = 17,450.86 L.F. or 3.305 Mi.

WORK ADDITIONS
TOTAL Length of Work Additions RF-430(15) = 1996.51 L.F. or 0.378 Mi.
TOTAL Length of Work RF-430(15) = 18099.17 L.F. or 3.428 Mi.
TOTAL Length of Work U-430(15) = 134820 L.F. or 0.255 Mi.
TOTAL NET Length of Work = 19,447.37 L.F. or 3.683 Mi.

STATE OF OHIO DEPARTMENT OF TRANSPORTATION BEL-7-23.74 JEF-7-0.00 BELMONT COUNTY CITY OF MARTINS FERRY PEASE TOWNSHIP JEFFERSON COUNTY WARREN TOWNSHIP VILLAGE OF YORKVILLE

Sheets 348 & 359 revised
2-7-75 EBL
Sheet 395 revised
10-21-75 EBL
Sheet 367 revised
11-14-75 EBL

"LIMITED ACCESS"

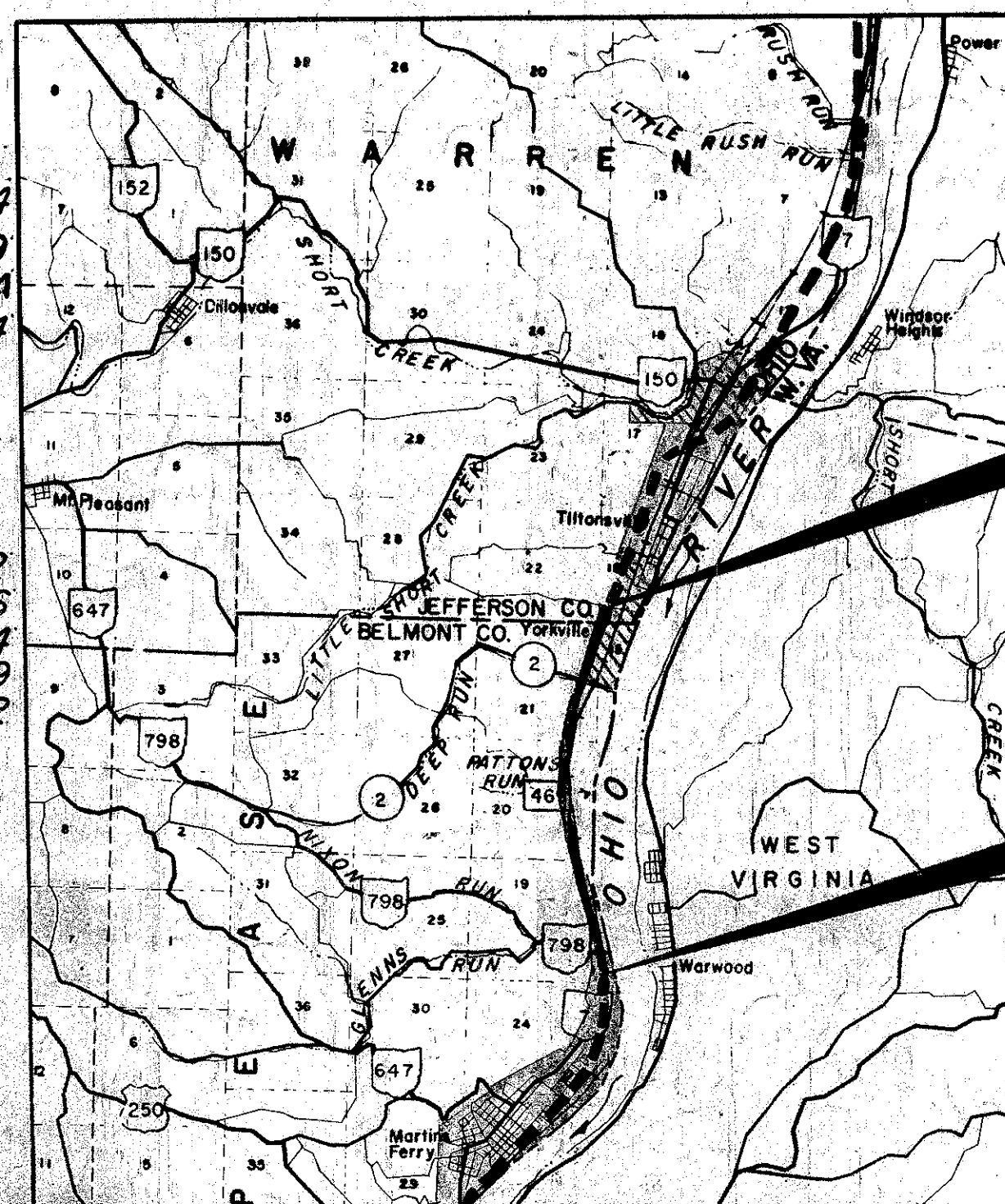
This improvement is especially designed for thru traffic and has been declared a Limited Access Highway or Freeway by action of the Director of Transportation, in accordance with the provisions of Sec. 5511.02 of The Revised Code of Ohio.

1973 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 not require the closing of the Highway to traffic and that the provisions for maintenance and safety will be as set forth on the plans and estimates.



END PROJECT

STA. 10+50.91
S.L.M. 0.20

BEGIN PROJECT

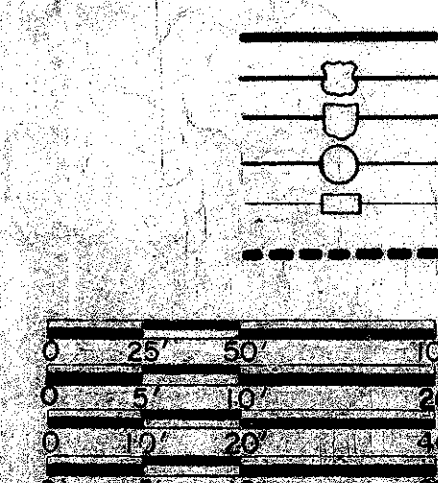
STA. 1258+00
S.L.M. 23.74

LOCATION MAP

SCALE OF MILES

PORTION TO BE IMPROVED
US. HIGHWAYS
STATE HIGHWAYS
COUNTY ROADS
TOWNSHIP ROADS
PROPOSED PROJECT

PLAN AND PROFILE
VERTICAL
PAVEMENT DETAILS
CROSS SECTIONS



PLANS PREPARED BY
ALDEN E. STILSON & ASSOCIATES, LIMITED
CONSULTING ENGINEERS
170 NORTH HIGH STREET
COLUMBUS, OHIO
FOR
THE STATE OF OHIO

SUPPLEMENTAL SPECIFICATIONS			
NUMBER	DATE	NUMBER	DATE
808	1-1-71	1001	9-20-72
814	1-1-69	941	11-28-73
815	9-20-72	948	11-25-70
816	9-20-72	948	2-19-74
836	1-1-71	3625	5-18-65
839	11-25-70	5713	1-11-74

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ENGINEER

DATE

Approved Robert S. Jenkins
Date 7-8-71 District Deputy Director of Transportation
Approved Robert B. Pfeiffer
Date 8-30-74 Engineer, Bureau of Bridges
Approved G. J. Schaefer
Date 8-30-74 Engineer, Bureau of Roadway Design
Approved W. C. Schell
Date 8-30-74 Assistant Deputy Director for Highway Design
Approved Julius J. Dewar
Date 8-30-74 Assistant Deputy Director for Real Estate
Approved William R. Bunkley
Date 8-30-74 Assistant Deputy Director for Program Development
Approved _____
Date _____ Chief Engineer, Division of Highways
Approved William W. Baker
Date 7-3-74 Deputy Director, Division of Highways
Approved William P. McKenna
Date 9-3-74 Assistant Director, Department of Transportation
Approved Philip J. Bunkley
Date 9-11-74 Director, Department of Transportation

Data from Sheet No. 3

BELMONT & JEFFERSON COUNTIES BEL-7-23.74 JEF-7-0.00

DATE OF LETTING
CONTRACT NUMBER

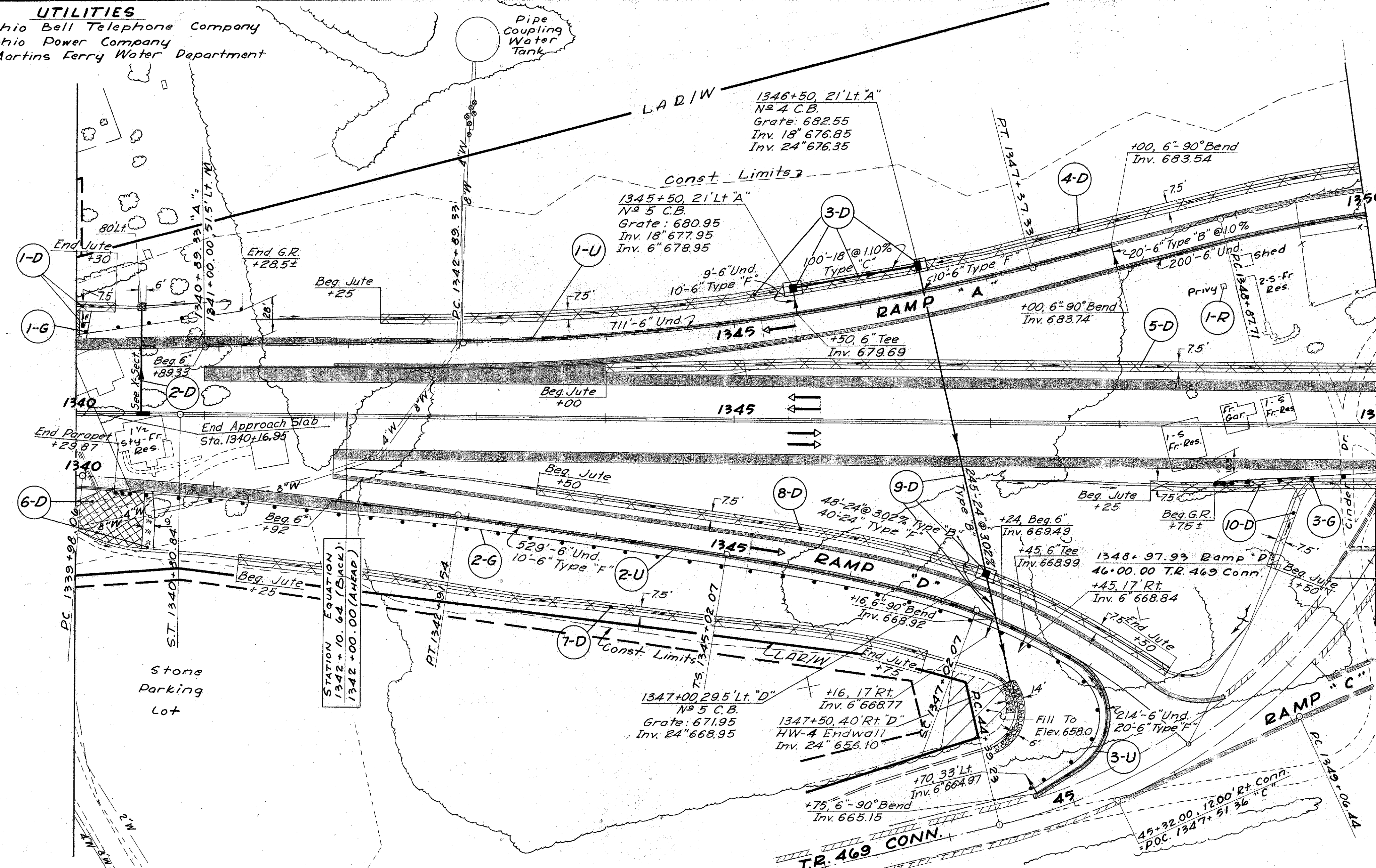
UTILITIES
Ohio Bell Telephone Company
Ohio Power Company
Martins Ferry Water Department

A. E. STILSON & ASSOC.
Quantities Calculated 6.8.59 1970
Quantities Checked E.O. Nov. 1970
Checked 7-12-73 FO

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

BELMONT COUNTY
JEFFERSON COUNTY
BEL - 7-23.74
JEF - 7- 0.00

41
462



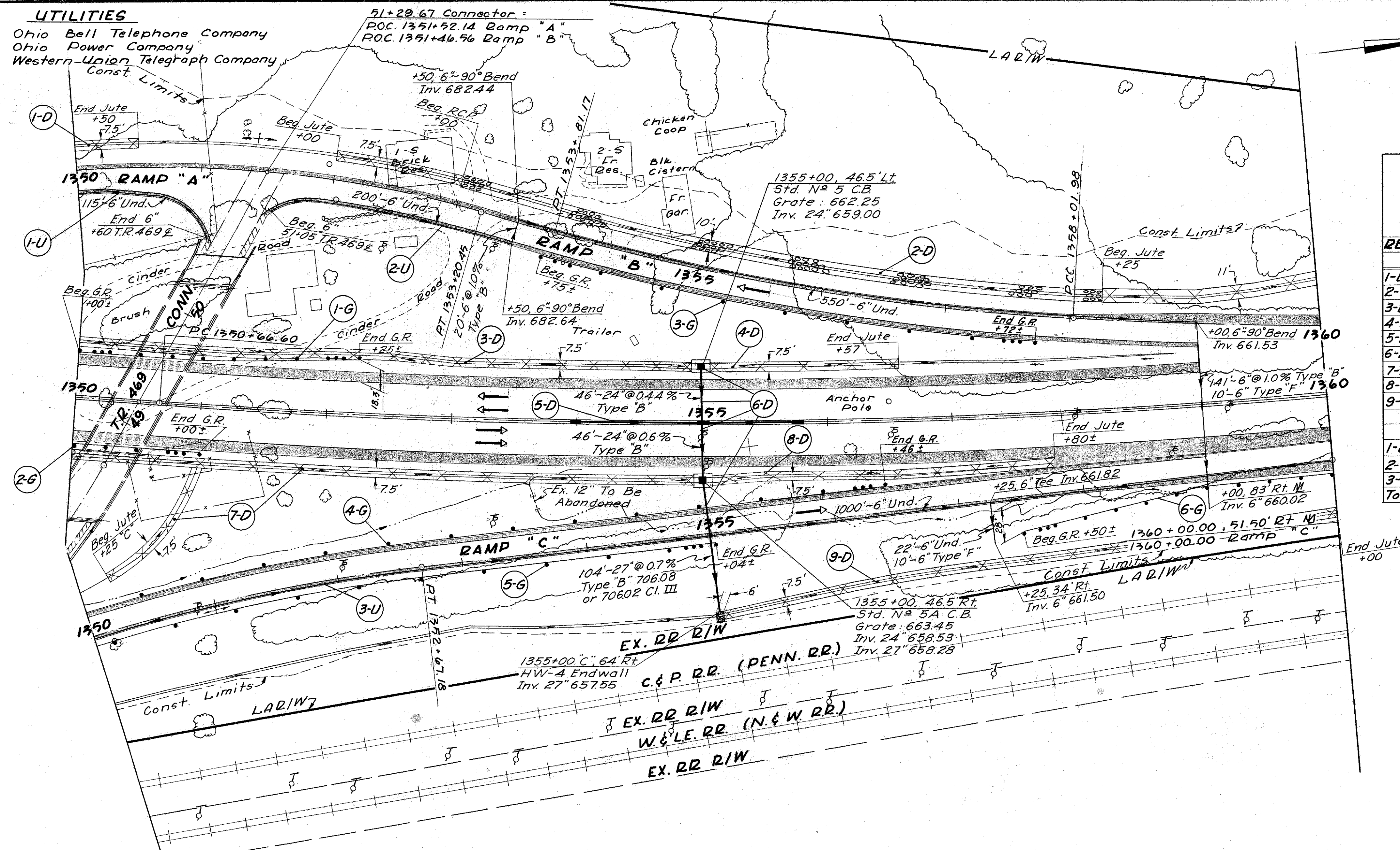
UTILITIES

Ohio Bell Telephone Company
Ohio Power Company
Western Union Telegraph Company
Const. Limits

A.E. STILSON & ASSOC.
Quantities Calculated 21.8 Sept. 1970
Quantities Checked Ed. Nov. 1970

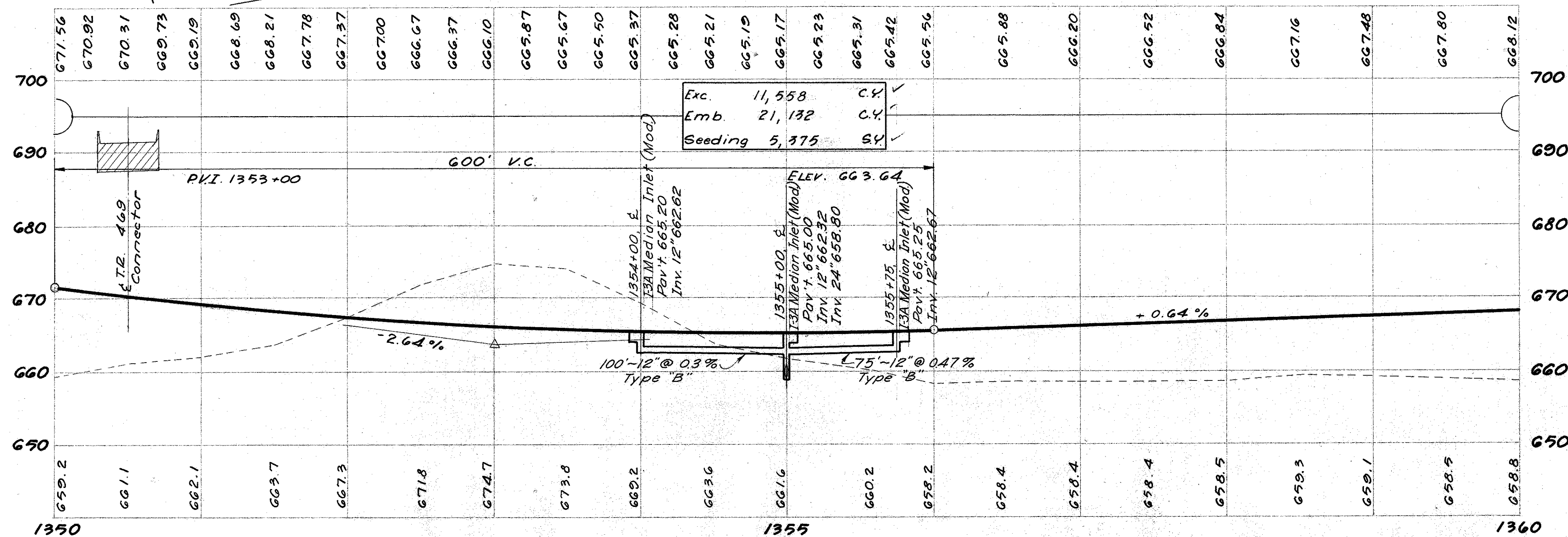
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

BELMONT COUNTY
JEFFERSON COUNTY
BEL-7-23.74
JEF-7-0.00



ESTIMATED QUANTITIES		601	602	603					604		605	667
REF	LOCATION	Rock Channel Protection Type B	Concrete Masonry	Type B 6"	Type B 12"	Type B 24"	Type B 27"	Type F 6"	No 5 C.B.	13A Median Inlet (Mod.)	No 5A C.B.	SEE SHEET N°
1-D	Lt. 1350+00 to 1350+50											42
2-D	Lt. 1352+00 to 1360+00	389										297
3-D	Lt. 1350+00 to 1354+93											411
4-D	Lt. 1355+07 to 1356+57											125
5-D	Rt. 1354+00 to 1355+75				175				3			
6-D	Lt. 1355+00	3.5	0.53		92	104			1	1		188
7-D	Rt. 1350+00 to 1354+93											507
8-D	Rt. 1355+07 to 1356+57											229
9-D	Rt. 1355+03 to 1360+00											415
1-U	Rt. 1350+00 to 50+60 TRA 469										115	55
2-U	Rt. 1350+00 to 1359+00			161			10				750	55
3-U	Rt. 1350+00 to 1360+00						10				1022	56
TOTALS TO GEN. SUMMARY		393	0.53	161	175	92	104	20	1	3	1887	2026

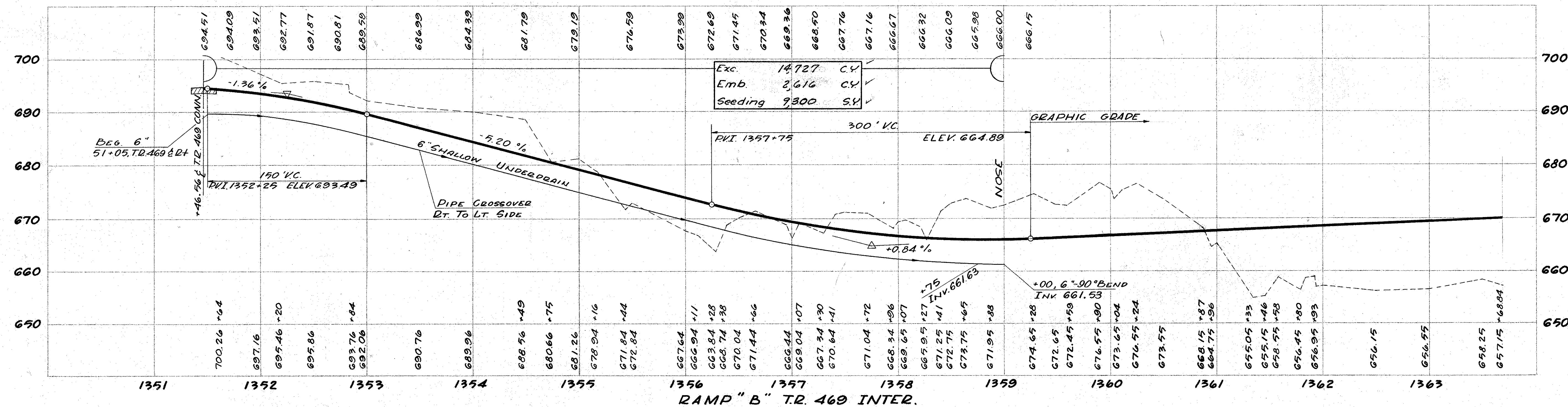
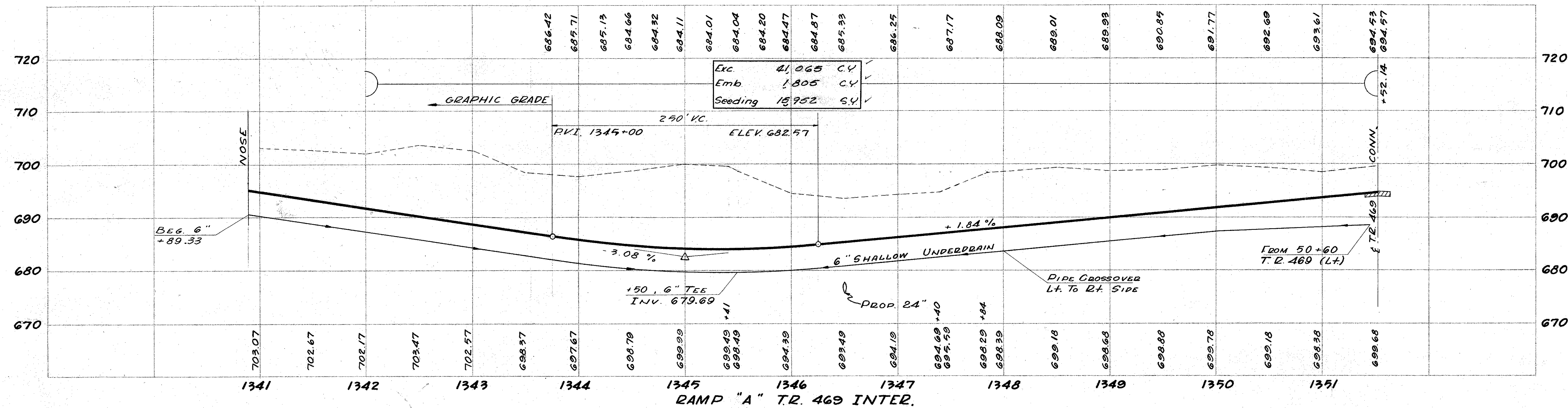
ESTIMATED QUANTITIES		606		SEE SHEET N°
REF	LOCATION	Guard Rail Type 5	Anchor Assembly	
1-G	Lt. 1350+00 to 1352+25	175	2	
2-G	Rt. 1350+00 to 1351+00	75	1	
3-G	Rt. 1353+75 to 1357+72	350	2	
4-G	Lt. 1350+00 to 1356+46	621	1	
5-G	Rt. 1350+00 to 1355+04	475	1	
6-G	Rt. 1357+50 to 1360+00	225	1	
TOTALS TO GEN. SUMMARY		1921	8	



For M Pavement Details & Elevations See Sheets 17 & 18
For Ramp Pavement Details & Elevations See Sheets 16, 17 & 18
For Construction Layout, Bench Marks & References See Sheet 28
For Ramp Profiles See Sheets 55 & 56
For T.R. 469 Connector Profile See Sheet 52
For T.R. 469 Connector Pav't. Details & Elevations See Sheet 11

1350+00 TO 1360+00

BELMONT COUNTY
 JEFFERSON COUNTY
 BEL-7-23.74
 JEF-7-0.00



BELMONT COUNTY
JEFFERSON COUNTY
BEL-7-23.74
JEF-7-0.00

A.E. STILSON & ASSOC.
Quantities Calculated R.S. July 1969
Quantities Checked E.O. Nov. 1970

WATER LINES TO BE ABANDONED
5-A 2" North side T.R. 469 from 1339+17 ± 93' Lt. M to 1339+78 ± 93' Rt. M
5-B 4" from 1339+49 ± To LAR/W
5-C 8" from 1339+90 ± To LAR/W

WORK TO BE DONE

- 5-I Construct New 4" W.L. as shown connecting exist. 2" W.L. on North side of T.R. 469.
5-II Construct New 8" W.L. as shown.
5-III Cut and plug exist. 8" W.L. on North side of exist. hydrant.

NOTES

The existing 4" & 8" W.M. are steel and transite pipe respectively. Connections between the proposed New Cast Iron Pipe and the existing pipe shall be made with Smith-Blair transition couplings Fig. 413 or approved equal.
For Profile See Sheet N= 297

1339+10 ± 109' Lt.
Connect Ex. 2" with 4" 2" Tee Provide new 2" Gate Valve / Box
1338+82 ± 102' Lt.
90° Bend & Pipe Defl.

1338+86 ± 100' Lt.
90° Bend & Pipe Defl.

Prop. 12" Storm Sewer

1339+45 ± 58' Rt.
11 1/2" Bend
1339+42 ± 60' Rt.
11 1/2" Bend
1339+49 ± 101' Rt.
Connect Ex. 4" Transition Coupling

1339+52 ± 101' Rt.
Connect to Exist. 8" Tee using Transition Coupling

1339+20 ± 109' Lt. ± End
Construction of 4" & 8" Water Mains. Cap Ends

EXISTING 216,000 GAL. STORAGE TANK

Ex. Hydrant to remain in Service
5-III To be abandoned after relocation of 4" 8" W.M.'s installed "by Others" outside the west L.A.R/W Line.

PIPE COUPLING MFG.

* Estimating Purposes Only.

ITEM 814											
New Water Main	8"	4"	2"	Gate Valve / Box	Concrete Boring	Bends				Transition Coupling	
						4"	8"	4"	8"	4"	8"
	LF	LF	LF	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.	Ea.
5-I	253	5	1	1	0.10	1		1	1	1	
5-II	251				0.39	1					
5-III				1							
TOTAL TO GEN. SUM.	251	253	5	1	2	1					

© Cast Iron Pipe A.S.A. Class 22
** Nickel-Copper Alloy Steel Pipe Including Couplings & Fittings (707-11)