

120 100 80 60 40 20 20 40 60 80 100 120

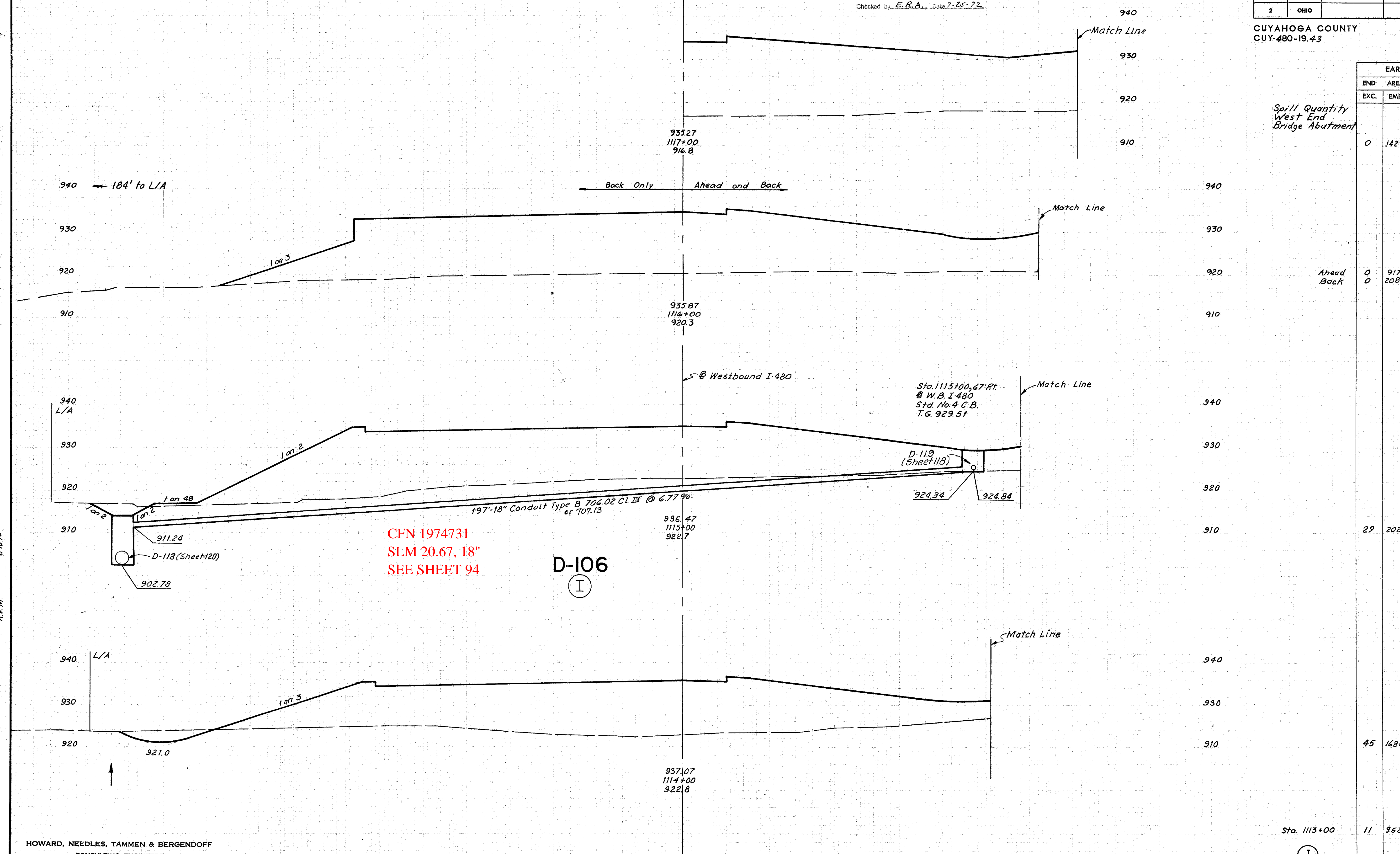
QUANTITY CALC S

Made by V.N.B. Date 7-24-72
 Checked by E.R.A. Date 7-25-72

| FED. RD. DIVISION | STATE | PROJECT |
|-------------------|-------|---------|
| 2 | OHIO | |

182
478

CUYAHOGA COUNTY
 CUY-480-19.43



| EARTHWORK | | | |
|--------------|------|--------|------|
| END | AREA | VOLUME | |
| | | EXC. | EMB. |
| 940 | | 0 | 2030 |
| 930 | | 0 | 4330 |
| 920 | | 0 | 2089 |
| 910 | | 0 | 7619 |
| 940 | | 29 | 2025 |
| 930 | | | 6872 |
| 920 | | 45 | 1686 |
| 910 | | | 4885 |
| Sta. 1113+00 | 11 | 952 | |

Spill Quantity
 West End
 Bridge Abutment

Ahead
 Back

CFN 1974731
 SLM 20.67, 18"
 SEE SHEET 94

D-106
 I

Sta. 1115+00, 67' Rt.
 @ W.B. I-480
 Std. No. 4 C.B.
 T.G. 929.51

D-119
 (Sheet 118)

D-113 (Sheet 120)

197'-18" Conduit Type B 704.02 Cl. IV @ 6.77%
 or 707.13

936.47
 1115+00
 922.7

937.07
 1114+00
 922.8

940 ← 184' to L/A

Back Only Ahead and Back

940
 L/A

940
 L/A

921.0

7-22-72
 E.R.A.
 R.E.M.

HOWARD, NEEDLES, TAMMEN & BERGENDOFF
 CONSULTING ENGINEERS
 KANSAS CITY CLEVELAND NEW YORK

I