

CALC. BY J.C.  
 DATE 4/19/84  
 CHKD. BY K.S.  
 DATE 2/5/84

LAK - 535 - 0.42  
 HIGH STREET / WATER STREET

OHIO  
 FHWA REGION 5

34  
 225

| WATERWORKS |                | 12" CL. 52 D.I. PIPE & C.I. FITTINGS | 6" HYDRANT ASSEMBLY TYPE B | BLOW-OFF ASSEMBLY |  |  |
|------------|----------------|--------------------------------------|----------------------------|-------------------|--|--|
| REF        | LOCATION       | LF.                                  | EA.                        | EA.               |  |  |
| W-1        | 86+50 TO 90+00 | 350                                  |                            |                   |  |  |
| W-2        | 86+65, 31'L.   |                                      | 1                          |                   |  |  |
| W-3        | 89+65, 23'L.   |                                      | 1                          |                   |  |  |
| W-4        | 87+40, 30'L.   |                                      |                            | 1                 |  |  |
| TOTALS     |                | 350                                  | 2                          | 1                 |  |  |

| ROADWAY |                                  | PIPE REMOVED 24" & UNDER | FENCE REMOVED FOR RE-USE | 7' X 10' WOOD PIT REMOVED | FENCE REBUILT TYPE CLT |  |
|---------|----------------------------------|--------------------------|--------------------------|---------------------------|------------------------|--|
| REF     | LOCATION                         | LF.                      | LF.                      | LUMP                      | LF.                    |  |
| R-1     | 86+50, 1'R. TO 87+50.50, 17.5'R. | 145                      |                          |                           |                        |  |
| R-2     | 86+50, 60'L. TO 87+82, 69.5'L.   |                          | 143                      |                           |                        |  |
| R-3     | 86+50, 23'R TO 87+18, 36'R.      |                          | 73                       |                           |                        |  |
| R-4     | 87+85, L.                        |                          |                          | 1                         |                        |  |
| R-5     | 86+50 TO 87+82, 69.5'L.          |                          |                          |                           | 144                    |  |
| TOTALS  |                                  | 145                      | 216                      | LUMP                      | 144                    |  |

| DRAINAGE |                                  | 12" CONDUIT, TYPE C, AS PER PLAN | 36" CONDUIT TYPE B, AS PER PLAN | 24" CONDUIT TYPE C, AS PER PLAN | 21" CONDUIT TYPE C, AS PER PLAN | 12" CONDUIT TYPE B, AS PER PLAN | 12" CONDUIT TYPE D, AS PER PLAN | 6" CONDUIT TYPE E, AS PER PLAN | MANHOLE, STD. NO. 5, MOD. AS PER PLAN | MANHOLE, STD. NO. 3 | MANHOLE, STD. NO. 3, MOD. AS PER PLAN | C.B., STD. NO. 3, MOD AS PER PLAN | C.B., STD. NO. 3A, MOD AS PER PLAN | MANHOLE ADJUSTED TO GRADE | 6" SHALLOW PIPE UNDERDRAINS, AS PER PL. | 6" UNCLASSIFIED PIPE UNDERDRAINS, AS PER PL. | 12" CONDUIT TYPE C, AS PER PLAN |
|----------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------------|---------------------|---------------------------------------|-----------------------------------|------------------------------------|---------------------------|---|--|---------------------------------|
| REF      | LOCATION                         | LF.                              | LF.                             | LF.                             | LF.                             | LF.                             | LF.                             | LF.                            | EA.                                   | EA.                 | EA.                                   | EA.                               | EA.                                | EA.                       | LF.                                     | LF.  | LF.                             |
| D-1      | 86+50, 36'L. TO 86+71, 36.5'L.   | 21                               |                                 |                                 |                                 |                                 |                                 |                                |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-2      | 86+71, 36.5'L. TO 87+50.5, 35'L. | 84                               |                                 |                                 |                                 |                                 |                                 |                                |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-3      | 87+50.5, 35'L. TO 17.5'R.        |                                  | 54                              |                                 |                                 |                                 |                                 |                                |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-4      | 87+50.5, 35'L. TO 89+70, 29'L.   |                                  |                                 | 228                             |                                 |                                 |                                 |                                |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-5      | 89+70, 29'L. TO 90+00, 27.5'L.   |                                  |                                 |                                 | 30                              |                                 |                                 |                                |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-6      | 86+71, 36.5'L. TO 26'L.          |                                  |                                 |                                 |                                 |                                 |                                 |                                |                                       |                     |                                       |                                   |                                    |                           |   |  | 11                              |
| D-7      | 86+71, 26'L. TO 86+90, 14'R.     |                                  |                                 |                                 |                                 |                                 | 44                              |                                |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-8      | 86+30, 14'R. TO 26'L.            |                                  |                                 |                                 |                                 |                                 | 39.5                            |                                |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-9      | 89+30, 14'R. TO 26'L.            |                                  |                                 |                                 |                                 |                                 | 39.5                            |                                |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-10     | 89+80, 29'L. TO 90+00, 28'L.     |                                  |                                 |                                 |                                 |                                 | 20                              |                                |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-11     | 86+71, 36.5'L.                   |                                  |                                 |                                 |                                 |                                 |                                 | 1                              |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-12     | 87+50.5, 35'L.                   |                                  |                                 |                                 |                                 |                                 |                                 | 1                              |                                       |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-13     | 89+70, 29'L.                     |                                  |                                 |                                 |                                 |                                 |                                 |                                | 1                                     |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-14     | 87+50.5, 17.5'R.                 |                                  |                                 |                                 |                                 |                                 |                                 |                                | 1                                     |                     |                                       |                                   |                                    |                           |   |  |                                 |
| D-15     | 86+71, 26'L.                     |                                  |                                 |                                 |                                 |                                 |                                 |                                |                                       |                     |                                       | 1                                 |                                    |                           |   |  |                                 |
| D-16     | 86+90, 14'R.                     |                                  |                                 |                                 |                                 |                                 |                                 |                                |                                       |                     | 1                                     |                                   |                                    |                           |   |  |                                 |
| D-17     | 86+30, 14'R.                     |                                  |                                 |                                 |                                 |                                 |                                 |                                |                                       |                     | 1                                     |                                   |                                    |                           |   |  |                                 |
| D-18     | 89+30, 14'R.                     |                                  |                                 |                                 |                                 |                                 |                                 |                                |                                       |                     | 1                                     |                                   |                                    |                           |   |  |                                 |
| D-19     | 86+77, 10'R. (SANITARY)          |                                  |                                 |                                 |                                 |                                 |                                 |                                |                                       |                     |                                       |                                   | 1                                  |                           |   |  |                                 |
| D-20     | 89+41.5, 1.5'L. (SANITARY)       |                                  |                                 |                                 |                                 |                                 |                                 |                                |                                       |                     |                                       |                                   | 1                                  |                           |   |  |                                 |
| D-21     | 86+50 TO 90+00, L.               |                                  |                                 |                                 |                                 |                                 |                                 | 10                             |                                       |                     |                                       |                                   |                                    |                           | 352                                     |  |                                 |
| D-22     | 86+50 TO 86+90, R.               |                                  |                                 |                                 |                                 |                                 |                                 | 10                             |                                       |                     |                                       |                                   |                                    |                           | 30                                      |  |                                 |
| D-23     | 86+90 TO 90+00                   |                                  |                                 |                                 |                                 |                                 |                                 | 40                             |                                       |                     |                                       |                                   |                                    |                           |   | 270  |                                 |
| TOTALS   |                                  | 105                              | 54                              | 228                             | 30                              | 123                             | 20                              | 60                             | 2                                     | 1                   | 1                                     | 3                                 | 1                                  | 2                         | 382                                     | 270  | 11                              |