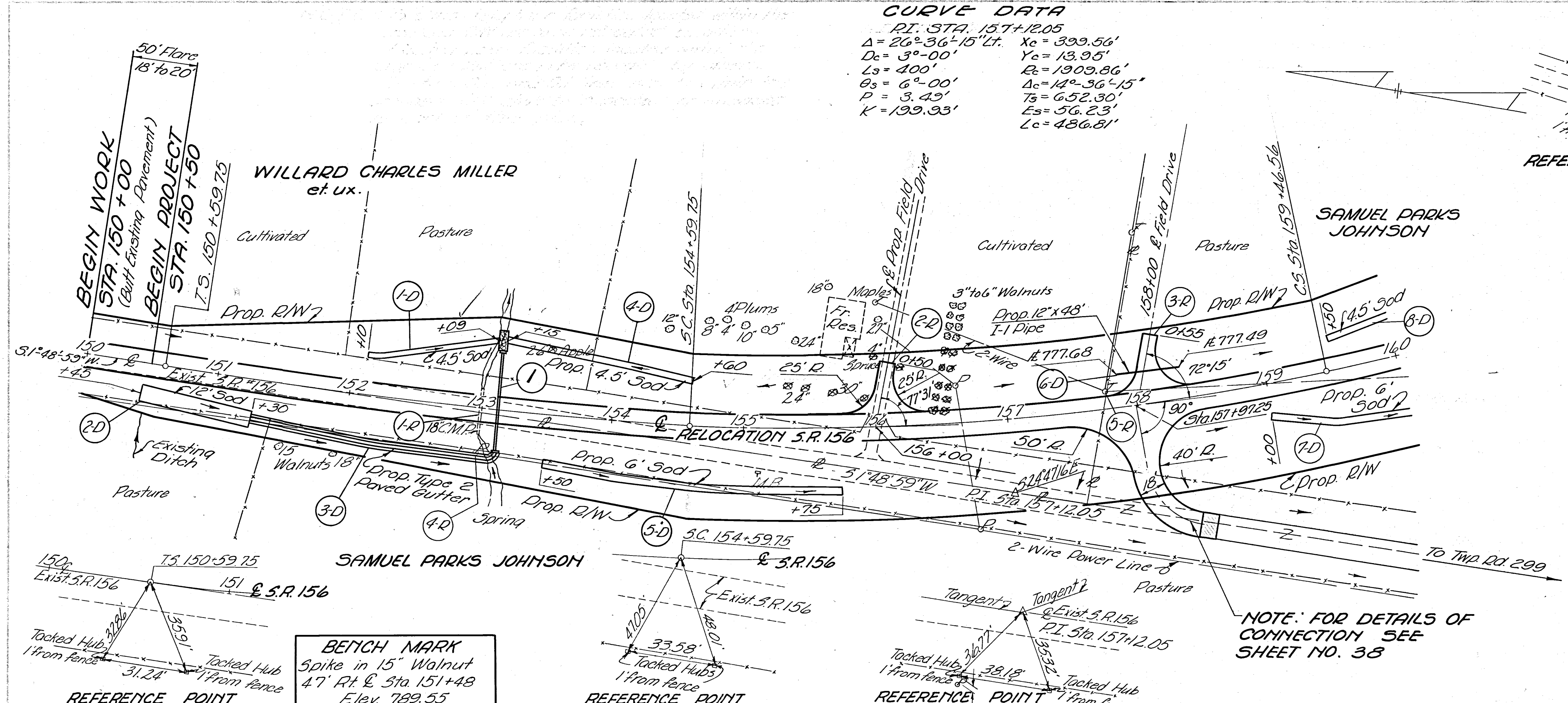
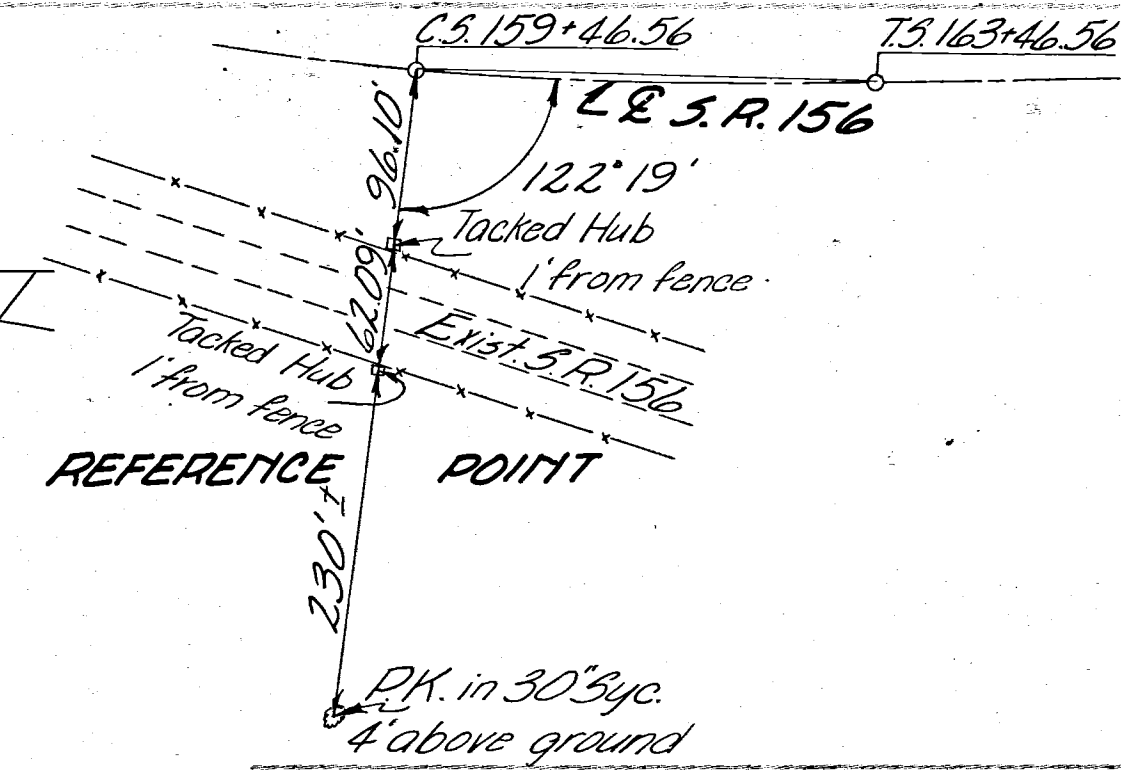
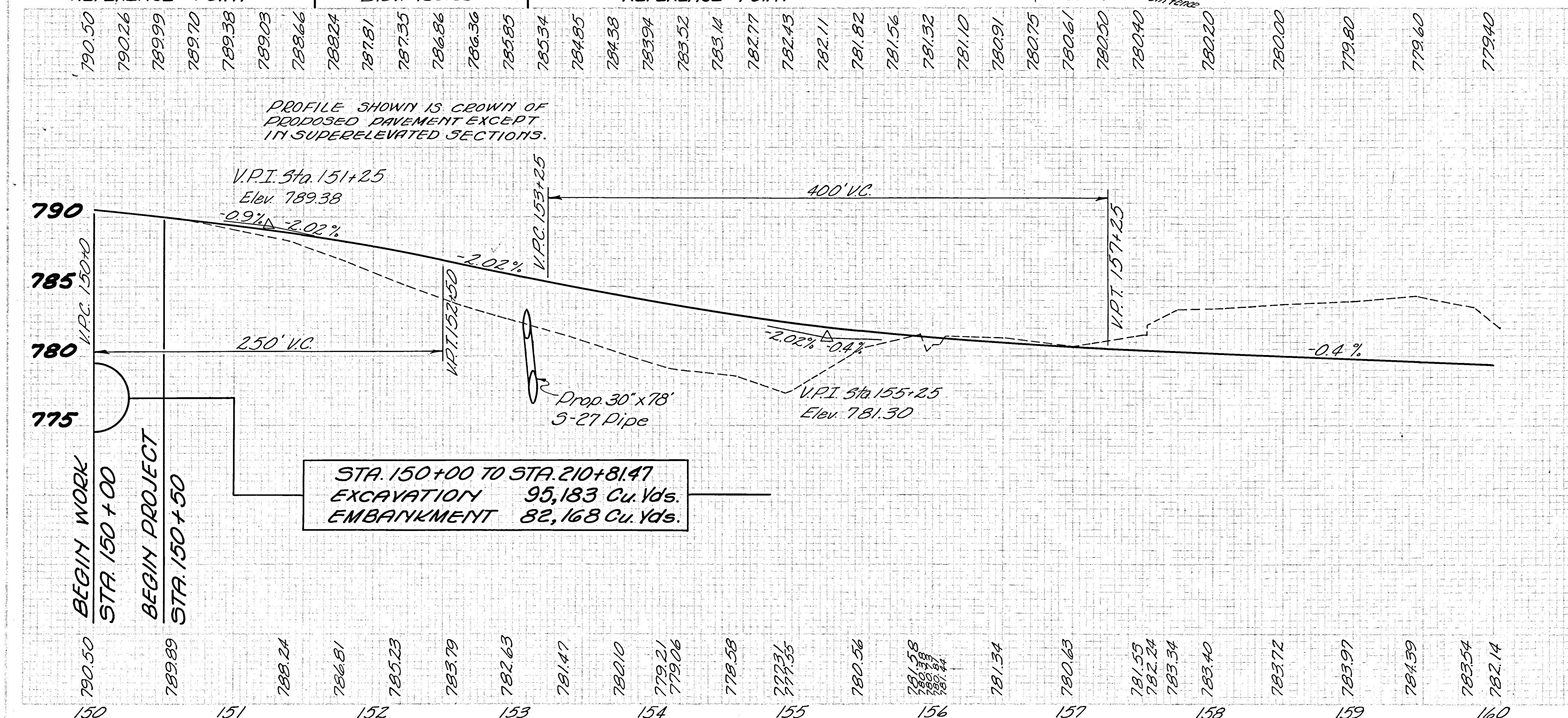


CURVE DATA  
PI. STA. 157+12.05  
 $\Delta = 26^\circ 36' 15''$  Lt.  $X_c = 339.56'$   
 $D_c = 3^\circ 00'$   $Y_c = 13.95'$   
 $L_s = 400'$   $R_s = 1309.86'$   
 $\theta_s = 6^\circ 00'$   $\Delta_c = 14^\circ 36' 15''$   
 $P = 3.45'$   $T_s = 652.30'$   
 $K = 199.93'$   $E_s = 56.23'$   
 $L_c = 486.81'$



| ROADWAY QUANTITIES |                    |      |              |              |    |             |      |                                     |                                 |
|--------------------|--------------------|------|--------------|--------------|----|-------------|------|-------------------------------------|---------------------------------|
| Reference Number   | Station To Station | Side | Pipe Removed | E-12         |    | I-18        |      | Special                             |                                 |
|                    |                    |      |              | 18" Lin. Ft. | 35 | 6" Cu. Yds. | Lump | Relocating Existing Telephone Lines | Relocating Existing Power Lines |
| 1-D                | 152+99             | LT.  | 35           |              |    |             |      |                                     |                                 |
| 2-D                | 156+00             | LT.  |              |              |    | 14.1        |      |                                     |                                 |
| 3-D                | 158+00             | LT.  |              |              |    | 15.6        |      |                                     |                                 |
| 4-D                | 153+00             | RT.  |              |              |    |             |      |                                     |                                 |
| 5-D                | 157+75             | LT.  |              |              |    |             |      |                                     |                                 |
| TOTALS             |                    |      | 35           |              |    | 29.7        | Lump | Lump                                |                                 |

| DRAINAGE QUANTITIES |                    |      |                 |         |                |              |         |              |         |
|---------------------|--------------------|------|-----------------|---------|----------------|--------------|---------|--------------|---------|
| Reference Number    | Station To Station | Side | Pipe for Drains | Sodding | Ditched Gutter | I-1          |         | I-14         |         |
|                     |                    |      |                 |         |                | 12" Lin. Ft. | 3x Yds. | 12" Lin. Ft. | 3x Yds. |
| 1-D                 | 152+10 to 153+00   | LT.  | 50              |         |                |              |         |              |         |
| 2-D                 | 150+45 to 151+30   | RT.  | 113             |         |                |              |         |              |         |
| 3-D                 | 151+30 to 153+11   | LT.  | 127             |         |                |              |         |              |         |
| 4-D                 | 153+15 to 154+60   | LT.  | 73              |         |                |              |         |              |         |
| 5-D                 | 153+50 to 155+75   | RT.  | 152             |         |                |              |         |              |         |
| 6-D                 | 157+87 to 158+35   | LT.  | 48              |         |                |              |         |              |         |
| 7-D                 | 159+10 to 160+0    | RT.  | 69              |         |                |              |         |              |         |
| 8-D                 | 159+50 to 160+0    | LT.  | 25              |         |                |              |         |              |         |
| TOTALS              |                    |      | 48              | 609     | 190            |              |         |              |         |



|                                                                                      |      |                                                              |    |
|--------------------------------------------------------------------------------------|------|--------------------------------------------------------------|----|
| REVISION                                                                             | DATE | DESCRIPTION                                                  | BY |
| U. S. ARMY ENGINEER DISTRICT, HUNTINGTON<br>CORPS OF ENGINEERS<br>HUNTINGTON, W. VA. |      |                                                              |    |
| DRAWN BY: EER                                                                        |      | LICKING RIVER<br>DILLON RESERVOIR PROJECT                    |    |
| TRACED BY:                                                                           |      | RELOCATION OF<br>OHIO STATE ROUTE NO. 156<br>(Section 3 & 4) |    |
| CHECKED BY: SEW                                                                      |      | DATE: JULY 1959                                              |    |
| SUBMITTED BY: Elmer S. Barrett                                                       |      | APPROVED: [Signature]                                        |    |
| ELMER S. BARRETT ASSOCIATES<br>CHILLICOTHE, OHIO                                     |      | COL. C.E., DISTRICT ENGINEER                                 |    |
| SCALE: HORIZ. 1" = 50'                                                               |      | SPEC. NO. 027f-UD 6-68/20                                    |    |
| SHEET 20 OF 62                                                                       |      |                                                              |    |