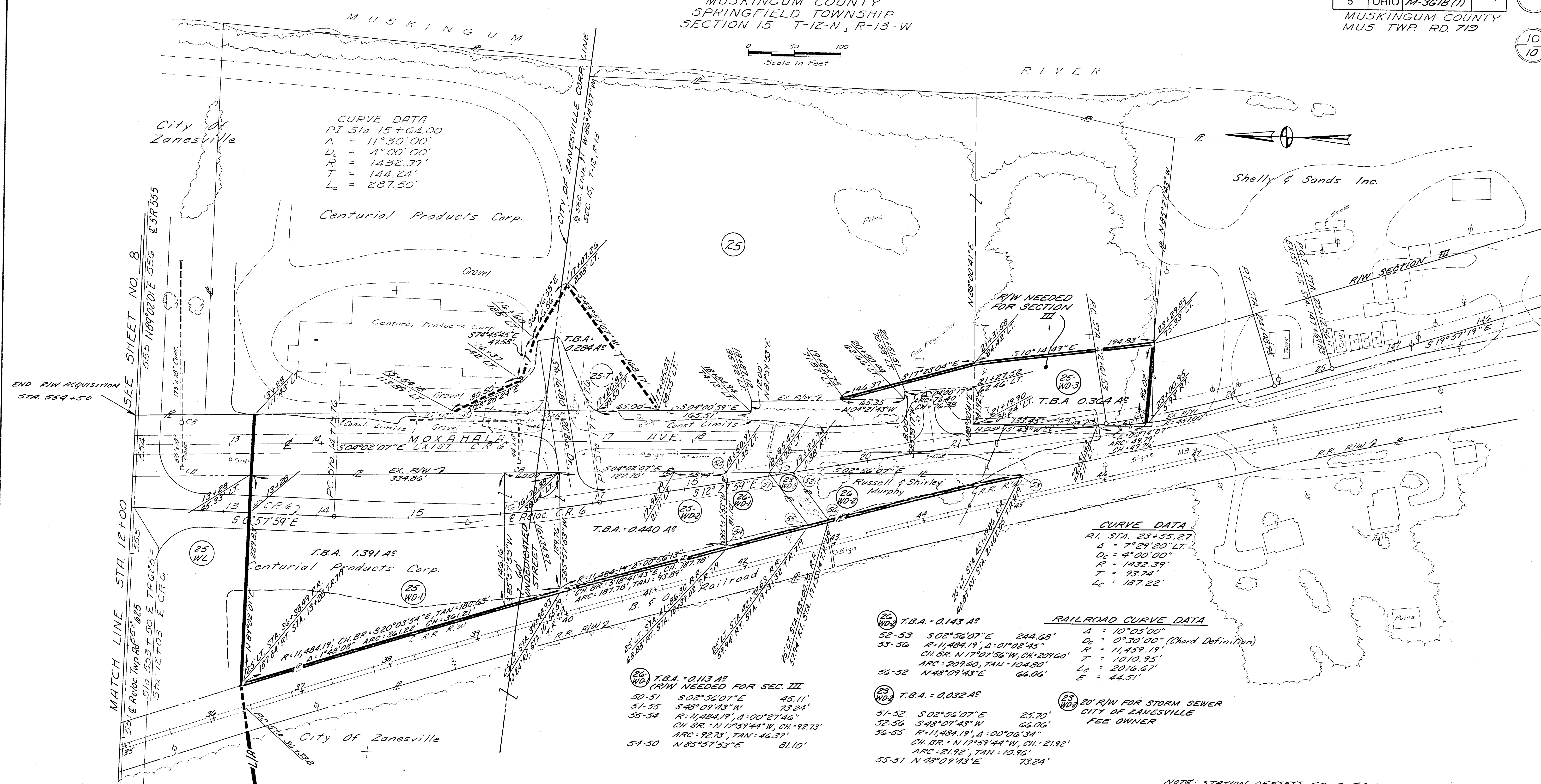


MUSKINGUM COUNTY  
SPRINGFIELD TOWNSHIP  
SECTION 15 T-12-N, R-13-W

| F.H.W.A. REGION | STATE | PROJECT   |
|-----------------|-------|-----------|
| 5               | OHIO  | M-3618(1) |

MUSKINGUM COUNTY  
MUS TWP. RD. 719



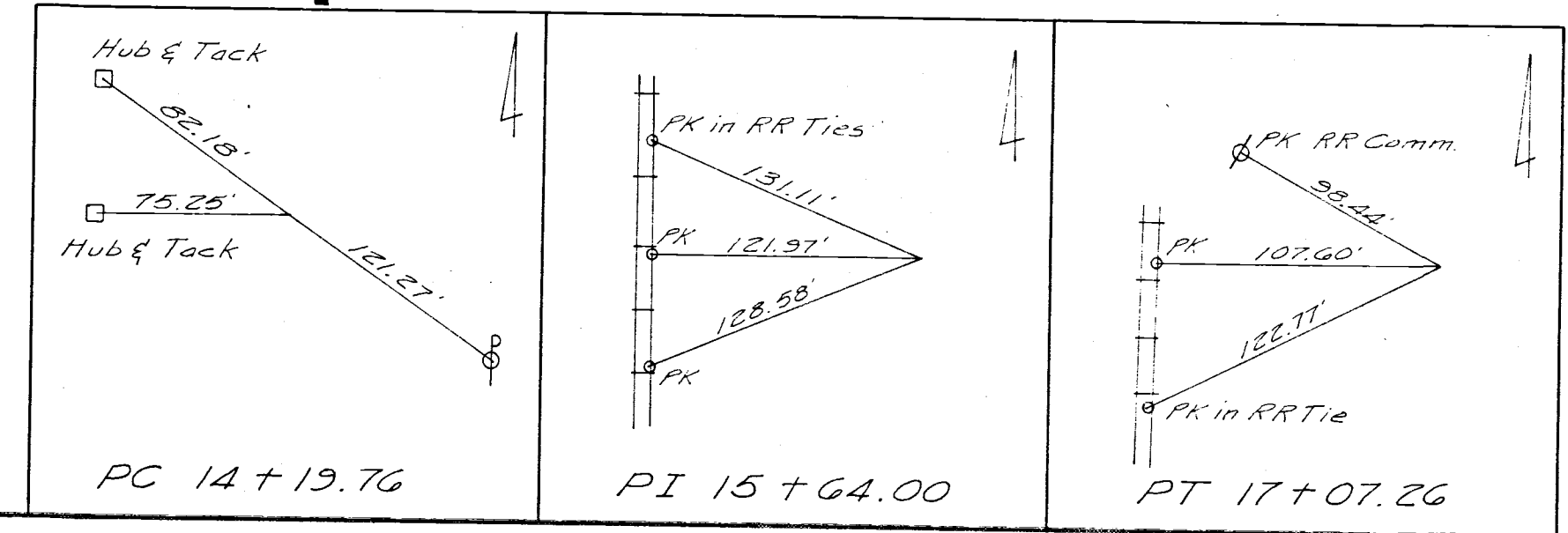
CURVE DATA  
PI Sta. 15+64.00  
 $\Delta = 11^\circ 30' 00''$   
 $D_c = 4' 00' 00''$   
 $R = 1432.39'$   
 $T = 144.24'$   
 $L_c = 287.50'$

CURVE DATA  
P.I. STA. 23+55.27  
 $\Delta = 7^\circ 29' 20''$  LT.  
 $D_c = 4' 00' 00''$   
 $R = 1432.39'$   
 $T = 93.74'$   
 $L_c = 187.22'$

RAILROAD CURVE DATA

|       |                                                 |                                        |
|-------|-------------------------------------------------|----------------------------------------|
| 25-26 | T.B.A. = 0.143 A°                               | $\Delta = 10^\circ 05' 00''$           |
| 52-53 | $502^\circ 56' 07''$ E 244.68'                  | $D_c = 0' 30' 00''$ (Chord Definition) |
| 53-56 | $R = 11,484.19'$ , $\Delta = 01^\circ 02' 45''$ | $R = 11,459.19'$                       |
|       | CH. BR. N $17^\circ 07' 56''$ W, CH. 209.60'    | $T = 1010.95'$                         |
|       | ARC = 209.60', TAN = 104.80'                    | $L_c = 2016.67'$                       |
| 56-52 | N $48^\circ 09' 43''$ E 66.06'                  | $E = 44.51'$                           |
| 23-24 | T.B.A. = 0.032 A°                               |                                        |
| 51-52 | $502^\circ 56' 07''$ E 25.70'                   |                                        |
| 52-56 | S $48^\circ 09' 43''$ W 66.06'                  |                                        |
| 56-55 | $R = 11,484.19'$ , $\Delta = 00^\circ 06' 34''$ |                                        |
|       | CH. BR. N $17^\circ 59' 44''$ W, CH. 21.92'     |                                        |
|       | ARC = 21.92', TAN = 10.96'                      |                                        |
| 55-51 | N $48^\circ 09' 43''$ E 73.24'                  |                                        |

26-27 T.B.A. = 0.113 A°  
(R/W NEEDED FOR SEC. III)  
50-51  $502^\circ 56' 07''$  E 45.11'  
51-55 S  $48^\circ 09' 43''$  W 73.24'  
55-54  $R = 11,484.19'$ ,  $\Delta = 00^\circ 27' 46''$   
CH. BR. N  $17^\circ 59' 44''$  W, CH. 92.73'  
ARC = 92.73', TAN = 46.31'  
54-50 N  $85^\circ 57' 53''$  E 81.10'



NOTE: STATION OFFSETS FROM TANGENT LINES EXCEPT ON SIMPLE CURVES

| Rev. | Date | Description |
|------|------|-------------|
|      |      |             |
|      |      |             |
|      |      |             |

R/W STA. 12+00 to STA. 22+50 CRG