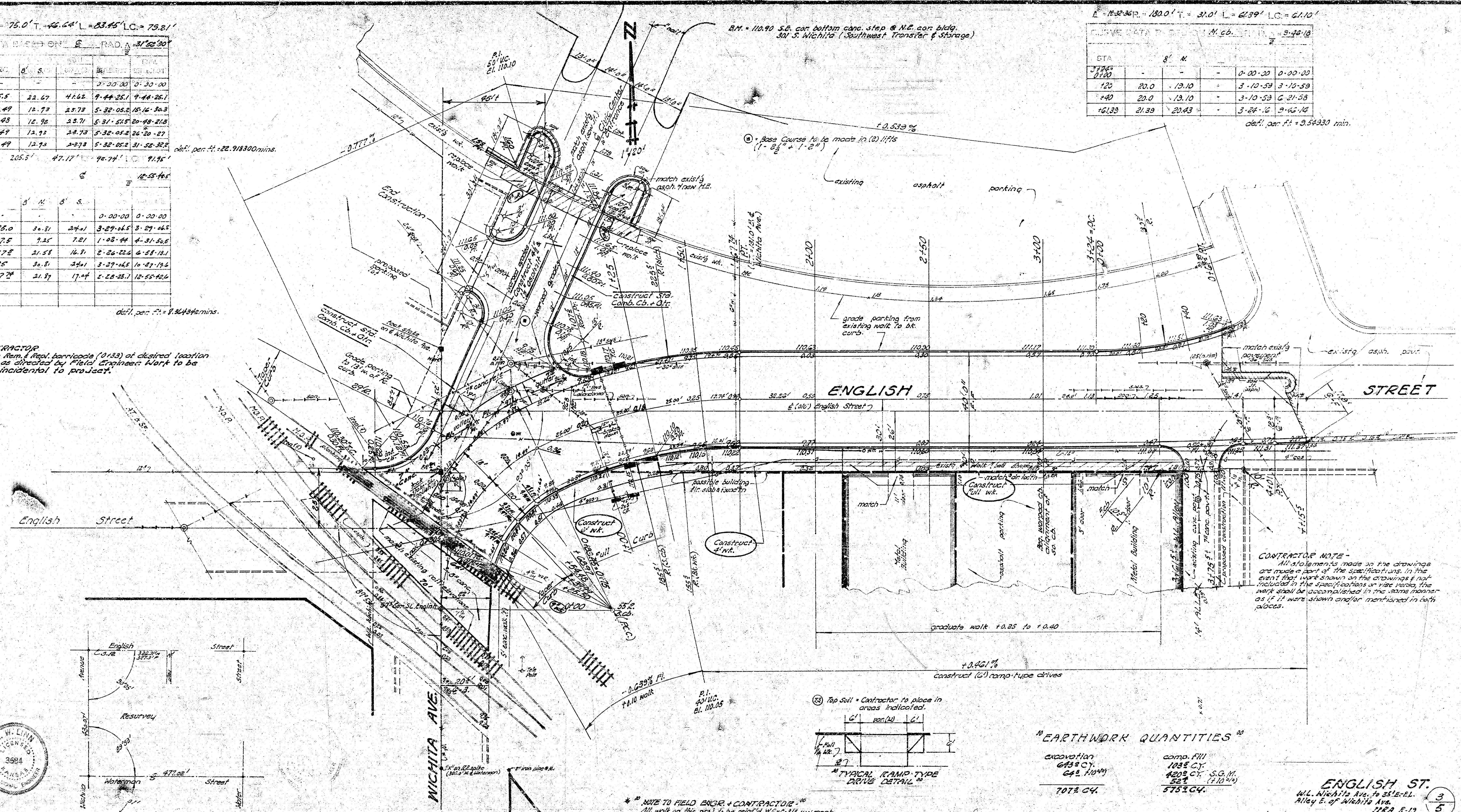
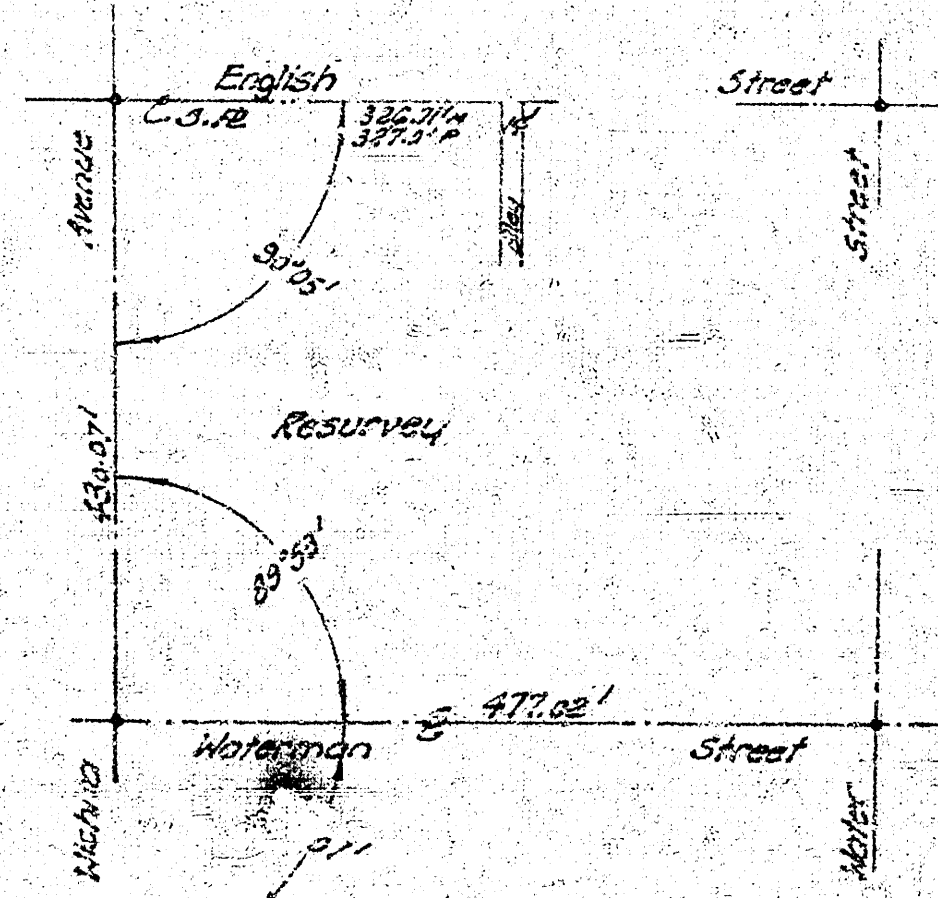


| CURVE DATA BY POINT |       |       |      | E - GRADA   |            |
|---------------------|-------|-------|------|-------------|------------|
| STA.                | ANG.  | S.    | W.   | DE. POINT   | END POINT  |
| 0+00                | -     | -     | -    | 0+00-00     | 0+00-00    |
| 1855                | 25.5  | 22.67 | 4+62 | 9+44.35/1   | 9+44-25/1  |
| 19029               | 14.49 | 12.73 | 2+78 | 5+32-05.5/1 | 15+16-30/3 |
| 15948               | 14.03 | 12.92 | 2+71 | 5+31-51.5/1 | 20+48-21/3 |
| 16838               | 14.49 | 12.73 | 2+73 | 5+32-05.5/1 | 26+20-27   |
| 15345               | 14.49 | 12.73 | 2+73 | 5+32-05.5/1 | 31-52-32/2 |

|                  |       |       |       |            |
|------------------|-------|-------|-------|------------|
| 26.5235          | 265.5 | 47.17 | 79.74 | 9.94       |
|                  |       |       | 6     | 12.5545    |
|                  |       |       |       | 8          |
|                  | 5     | 11    | 8     | 5          |
| 0.13845<br>0.138 |       |       |       |            |
| 1.00             | 25.0  | 30.81 | 27.01 | 3.29-065   |
| 107.5            | 07.5  | 7.25  | 7.21  | 1.08-44    |
| 125              | 17.5  | 21.58 | 16.9  | 2.26-22.6  |
| 950              | 25    | 30.81 | 34.1  | 10.87-19.1 |
| 167.24           | 17.24 | 21.89 | 17.04 | 5.28-33.1  |
|                  |       |       |       | 12.55-40.6 |

CONTRACTOR  
NOTE: Rem. & Repl. barricade (0133) at desired location  
as directed by Field Engineer. Work to be  
incidental to project.



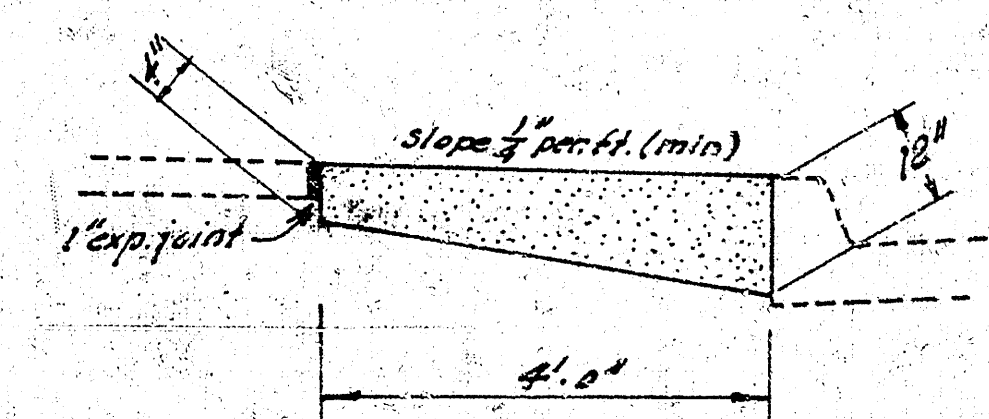
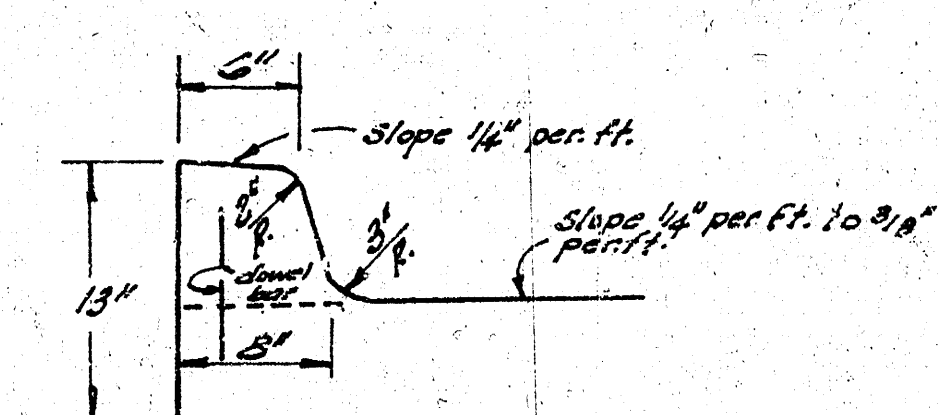
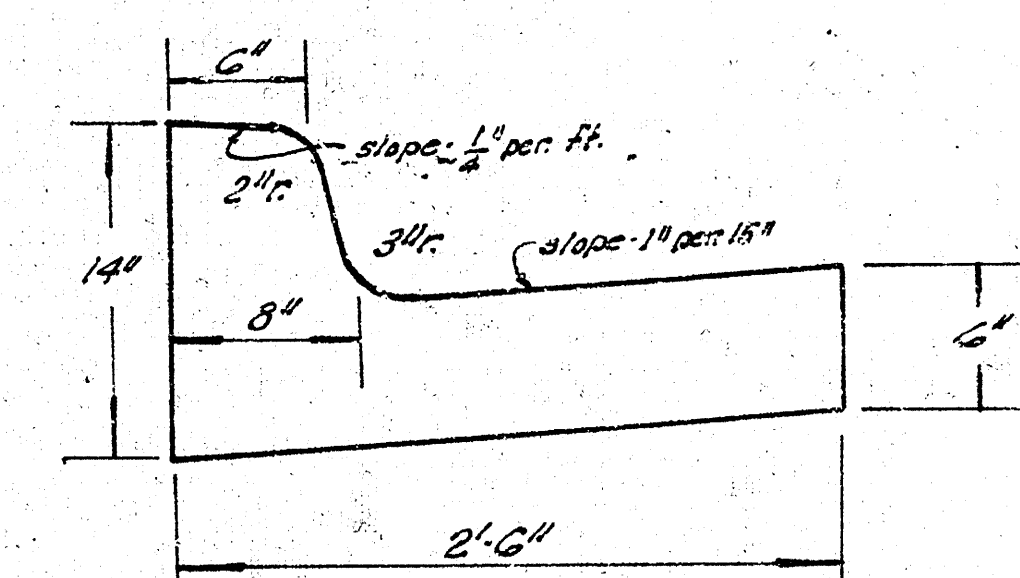
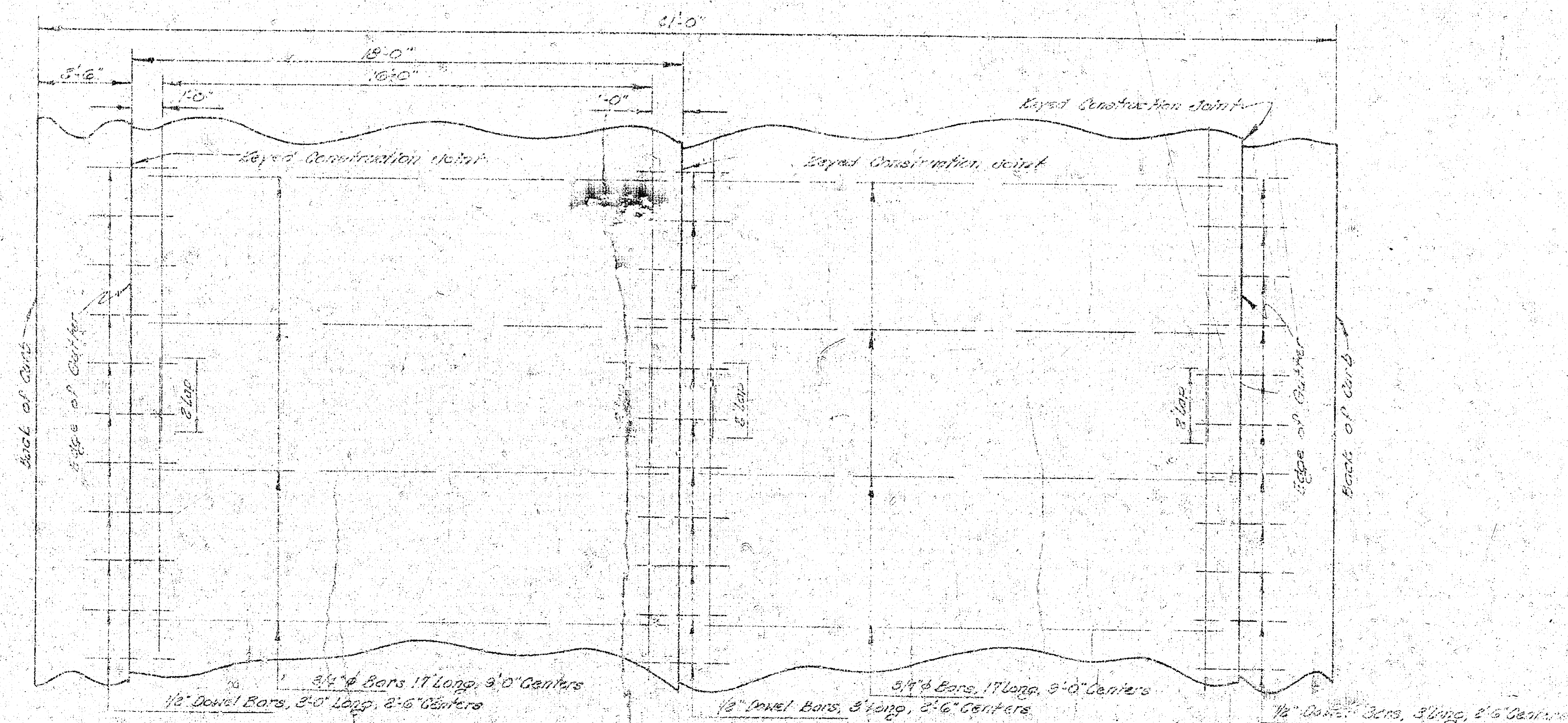
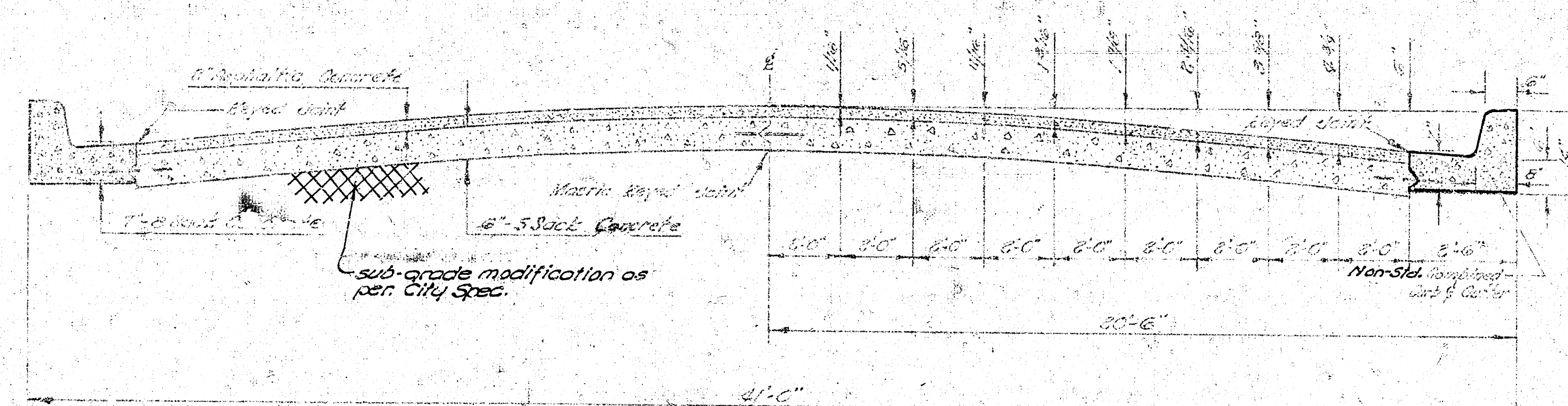
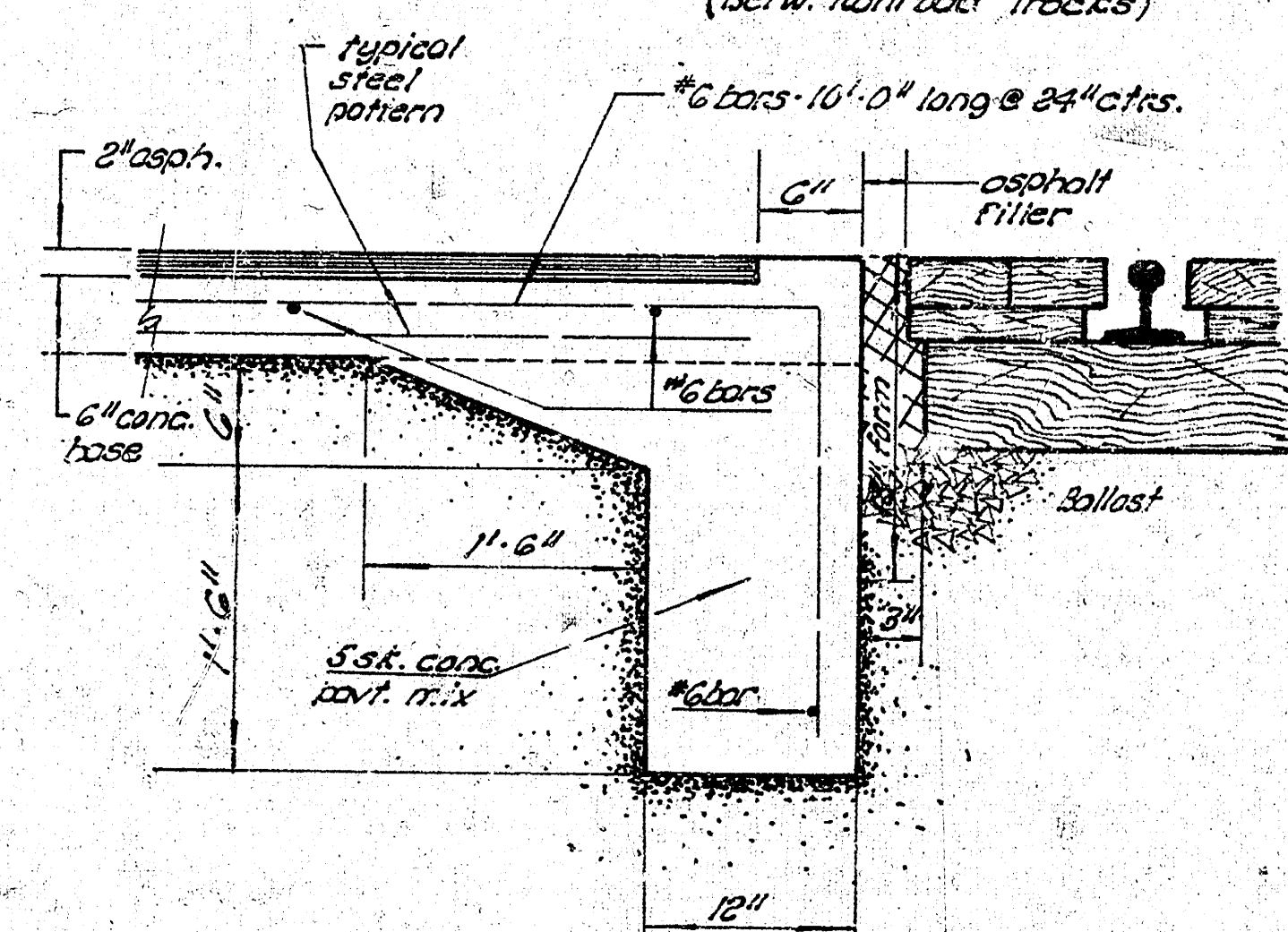
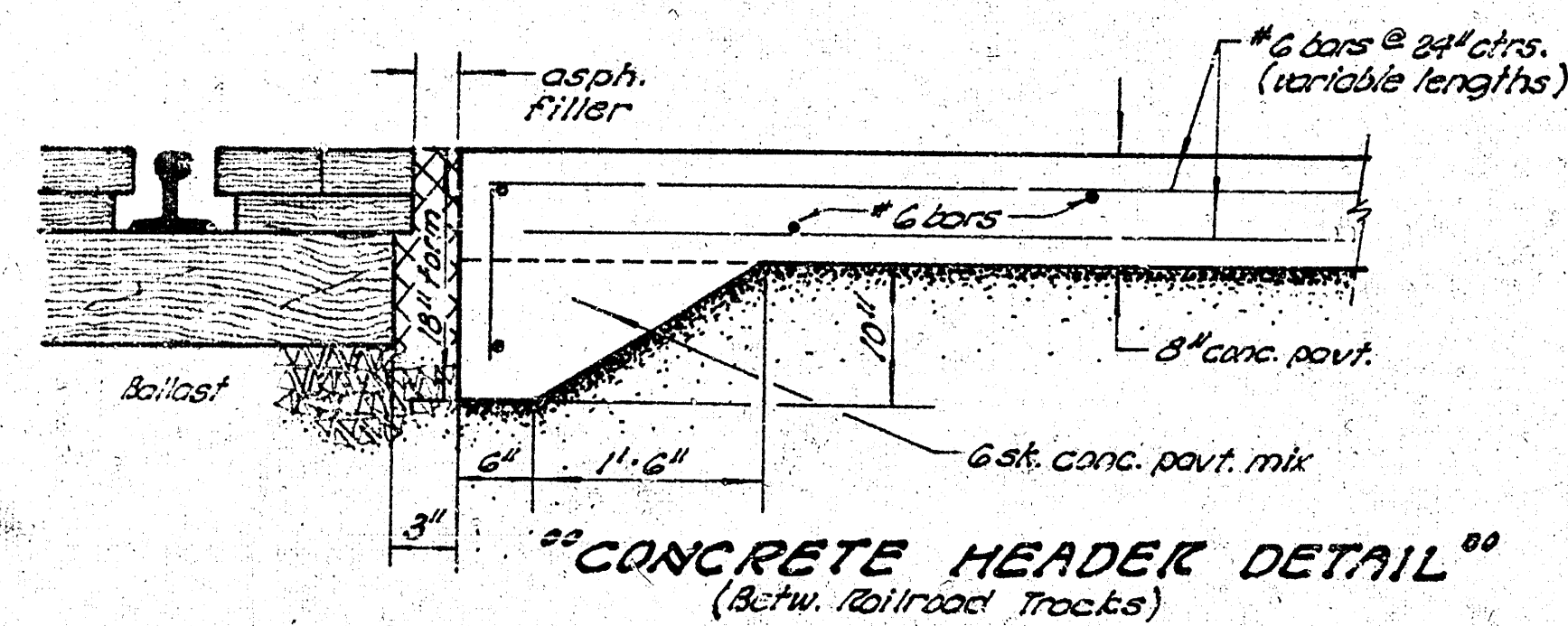
$L = 12.32 \text{ m} \times 180.0' \text{ T} = 31.0' \text{ L} = 6.39' \text{ L} = 6.11'$   
 CURVE DATA FOR  $R = 100.0'$   $M.C.B. = 9.45'$   
 STA  $8' \text{ M}$   

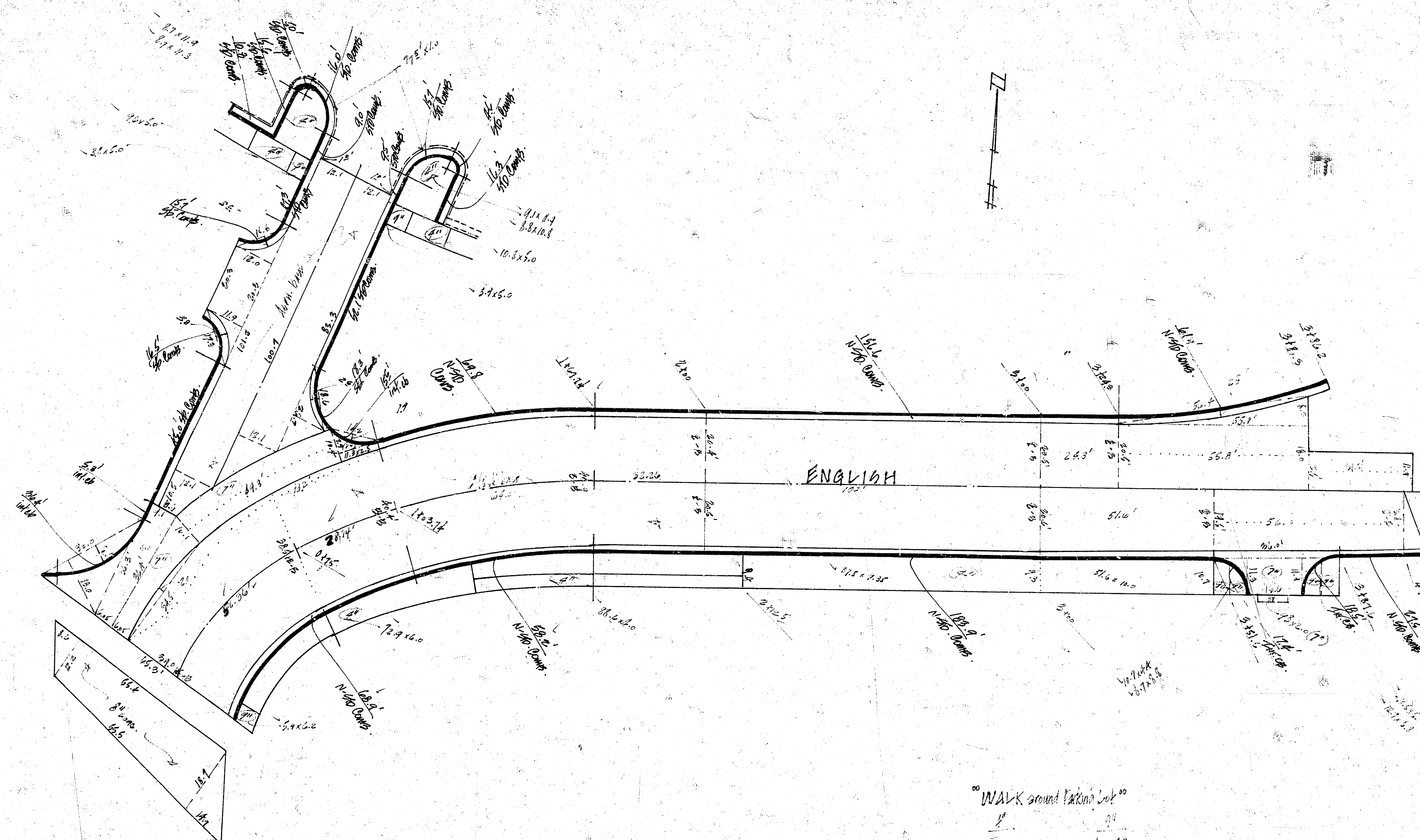
| STATION | CHORD BEARING | CHORD DISTANCE | CHORD BEARING | CHORD DISTANCE |
|---------|---------------|----------------|---------------|----------------|
| 120     | 20.0          | 13.10          | 3-10-59       | 3-10-59        |
| 140     | 20.0          | 13.10          | 3-10-59       | 6-21-58        |
| 161.33  | 21.39         | 20.43          | 3-24-16       | 9-45-14        |

EARTHWORK QUANTITIES

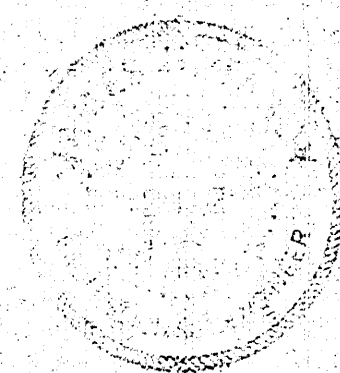
|                            |                            |
|----------------------------|----------------------------|
| excavation                 | comp. fill                 |
| 643 <sup>2</sup> CY        | 103 <sup>5</sup> CY        |
| 64 <sup>2</sup> ft. deep   | 420 <sup>2</sup> CY        |
|                            | 52 <sup>1</sup> S.G. M.    |
|                            | (+10 2/3)                  |
| <hr/> 707 <sup>2</sup> CY. | <hr/> 575 <sup>2</sup> CY. |

ENGLISH ST.  
W.L. Wichita Ave. to 35'E-EL.  
Alley E. of Wichita Ave.  
12-10-70 URA R-13



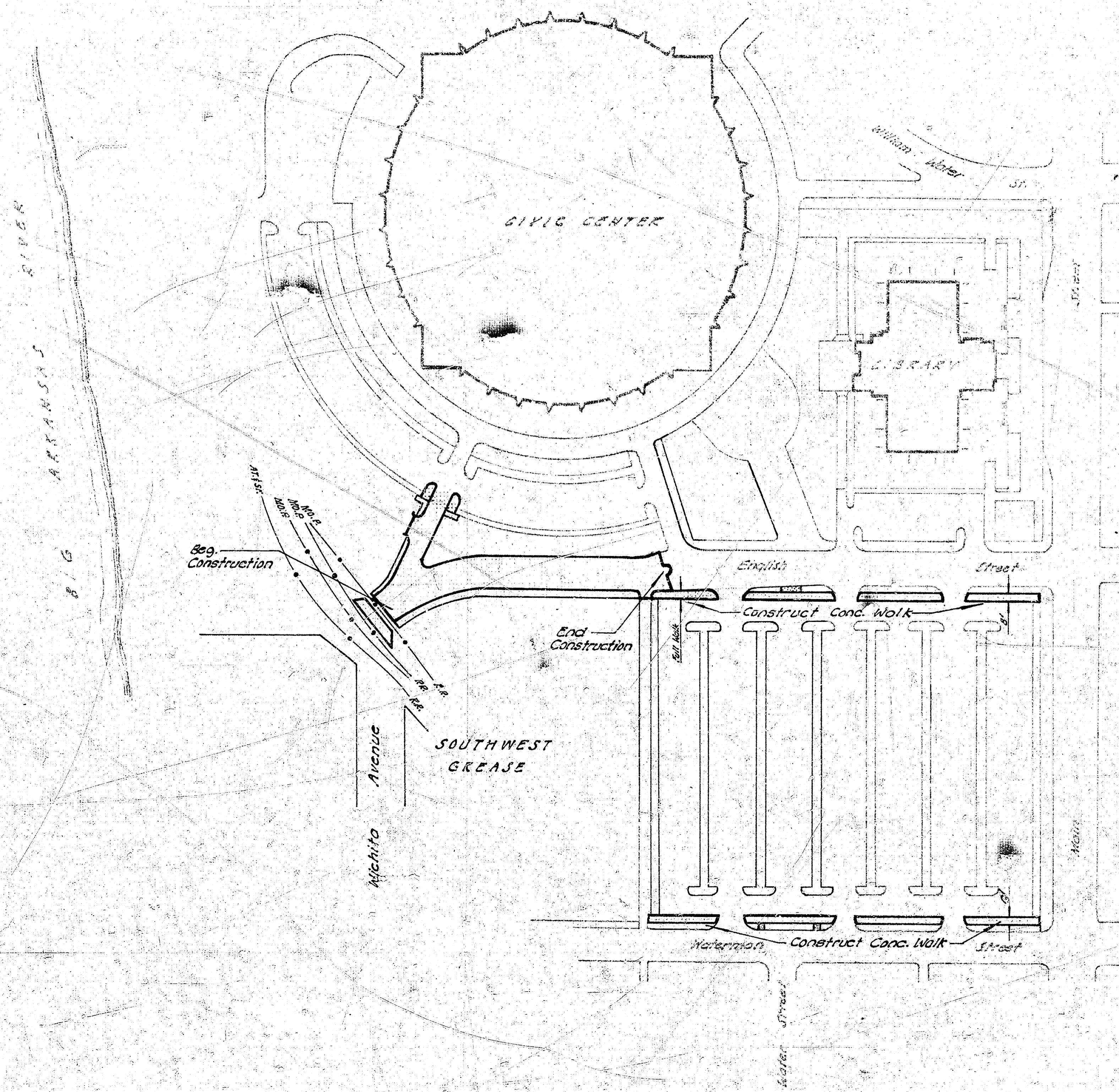
[illegible]

Survey  
Plan  
Geo.  
Checked  
1/14



# INDEX

1. Location Map of Project Construction
2. Construction Plan Steel Patterns
3. Detailed Construction Plans
4. Drainage Plan
5. Cross-sections



## "BILL OF MATERIALS"

The following list of items are estimated quantities only. The Contractor shall have full responsibility for providing all materials necessary as shown on detailed plans or as stated in related specifications to complete this project.

### Pavement Work:

1. 305 5 1/2" 150# Conc. Pavt. (asph. base)
2. 184 5 1/2" 8" Conc. Pavt.
3. 184 5 1/2" 7" Conc. Pavt.
4. 175 5 1/2" 100# 150# (6" 5.5" base)
5. 305 L.F. curb
6. 45 L.F. int. curb
7. 225 L.F. 5 1/2" comb. cob. agt.
8. 75 5 1/2" 4" drive
9. 840 5 1/2" 4" reinf. mat.
10. 545 5 1/2" (30)
11. 175 L.F. 5 1/2" 4"
12. 405 L.F. 5 1/2" 4"
13. 4 5 1/2" (336) conc.
14. 2 5 1/2" (236)
15. 500 lbs. reinf. steel
16. 707 0.4' excavation
17. 524 0.4' comp. fill
18. 1845 5 1/2" Lime-Treated Sub-grade
19. 125 L.F. Comb. cob. agt. rem.
20. 1245 5 1/2" mat. 4' dr. rem.
21. 20 5 1/2" 4" mat. rem.
22. 30 5 1/2" 4" mat. rem.

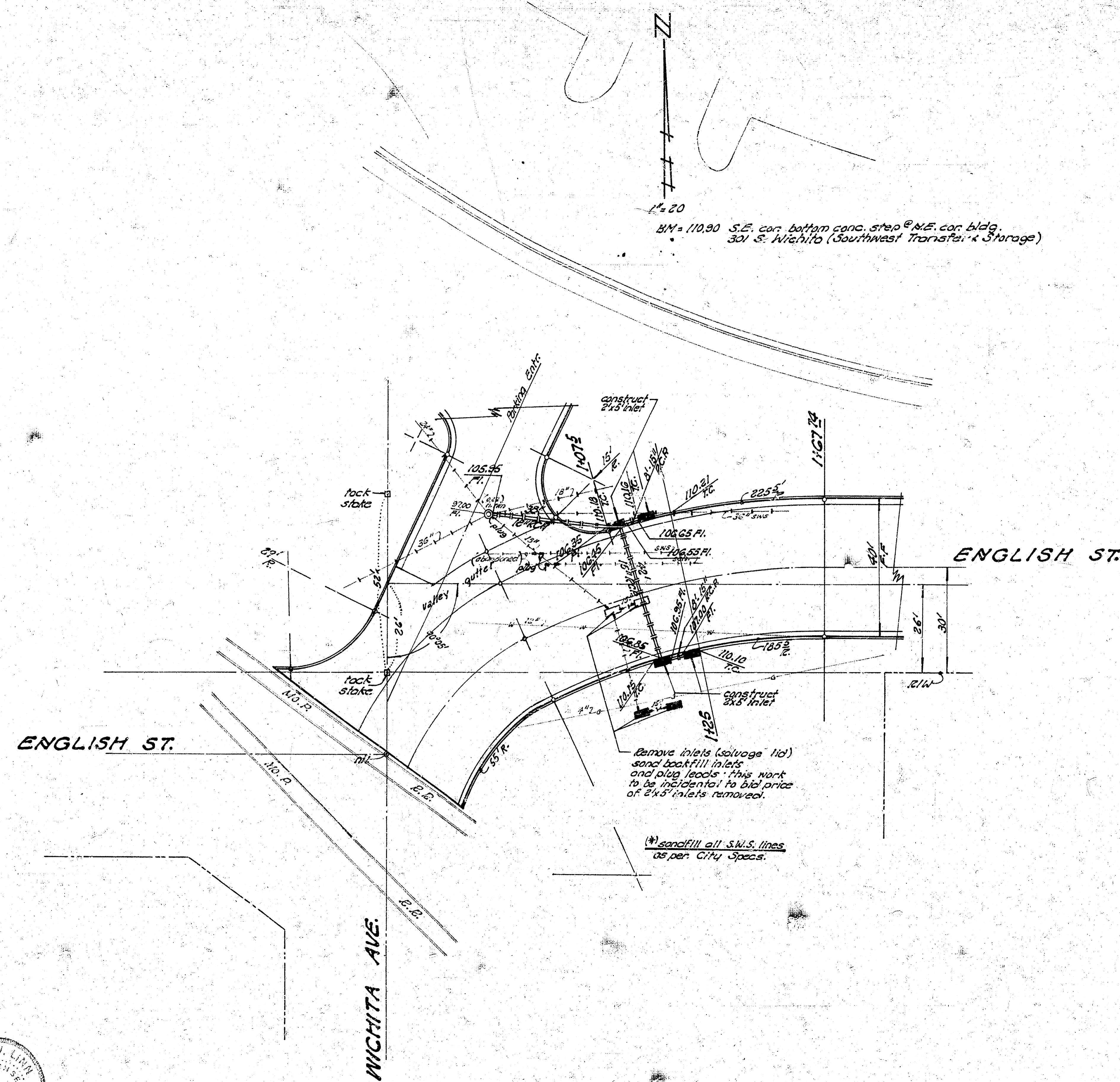
### Drainage Work:

1. 40 L.F. 18" R.C.P.
2. 60 L.F. (50)
3. 4 2 1/2" inlets
4. 5 pipe plugs
5. 100 tons sand/fill
6. 4 2 1/2" inlets rem.
7. 2 Manhole adjustments

## "ENGLISH STREET"

W.L. Wichita Ave. to 300 ft. E. of CL. Alley E. of  
40' Asphaltic Conc. Pavt.  
CITY OF WICHITA, KANSAS

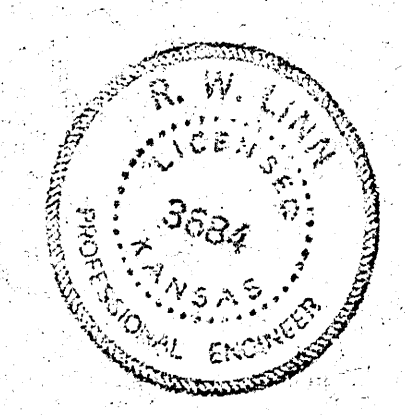
D. W. Linn  
Date: 1/14  
P.O. No. U.P.A. - R-19



$1" = 20'$   
 BM = 110.90 S.E. cor. bottom conc. streo @ N.E. cor. bldg.  
 301 S. Wichita (Southwest Transfer & Storage)

Remove inlets (salvage lid)  
 and backfill inlets  
 and plug leads. This work  
 to be incidental to bid price  
 of 24" inlets removed.

Sandfill all S.W.S. lines  
 as per City Specs.



**INCIDENTAL DRAINAGE**  
 in connection with English St. & Wichita Ave.  
 to 38.0' E. of N.E. cor. of Wichita Ave.  
 City of Wichita, Kansas  
 B.E. Smith — City Engineer  
 Date: \_\_\_\_\_ Proj. No. U.R.A. R-19

