

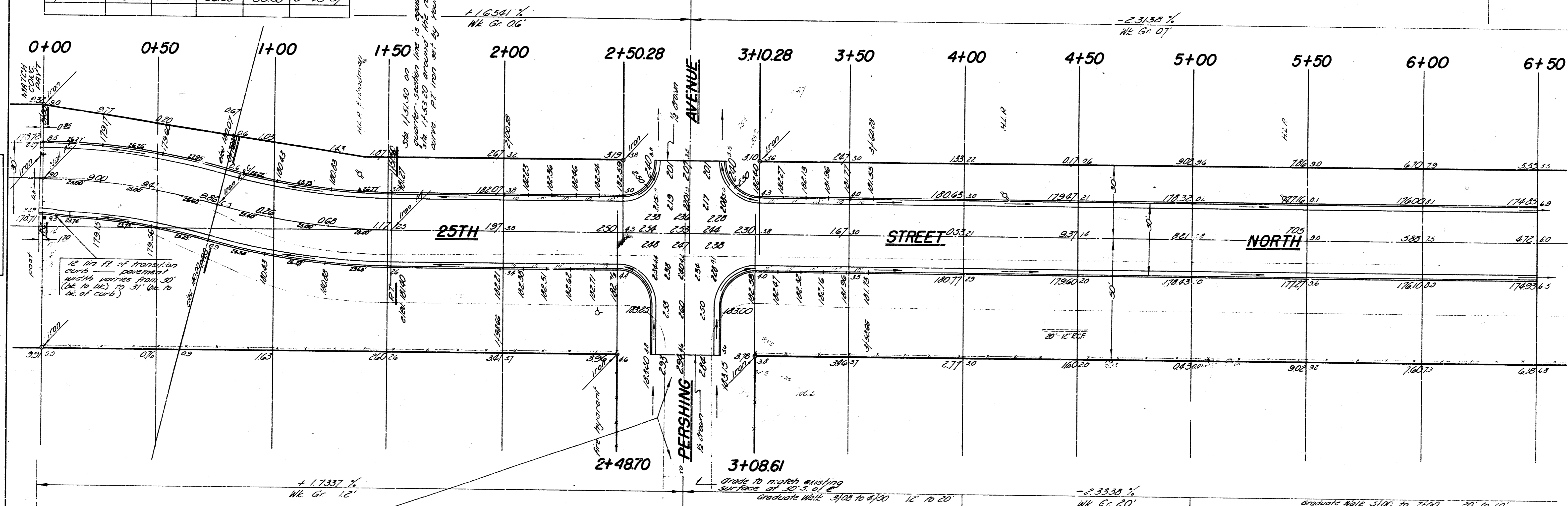
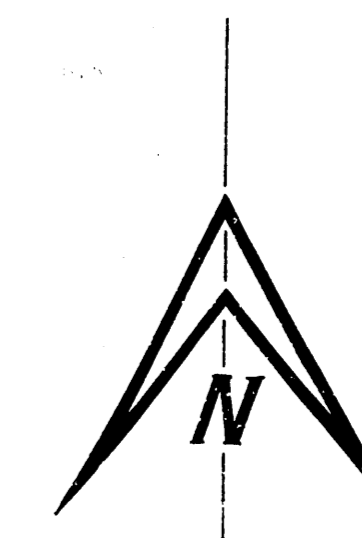
**REVERSE CURVE DATA**

L = 153.00 T = 33.515 E R = 296.67  
 ΔP = 7° 24' 25" Min per ft = 5.0070

Station	Dist	E. Chord	U.S. Offset	S. Offset	Deflection
0+00	0				
0+25	25.00	24.99	26.93	23.05	2° 25' 02"
0+50	50.00	24.99	26.93	23.05	2° 25' 03"
0+75.00 P.C.	75.00	26.39	28.65	24.53	2° 34' 20"
1+00	100.00	23.39	27.05	25.21	2° 15' 46"
1+25	125.00	24.99	23.05	26.93	2° 25' 02"
1+53.00 P.T.	153.00	28.19	26.00	30.38	2° 43' 37"

B.M. 175.23 City Standard, S.W. Cor. Oliver & 25th St. No.  
 B.M. 173.02 RR. Spike N.S. H.L.P., S.S. Delrose & 25th St. No.

**Note:**  
 Removal of existing asphalt surface to be paid as 2" 40% 80% surface removed. This material shall be excavated separately but the volume will not be subtracted from final excavation total.

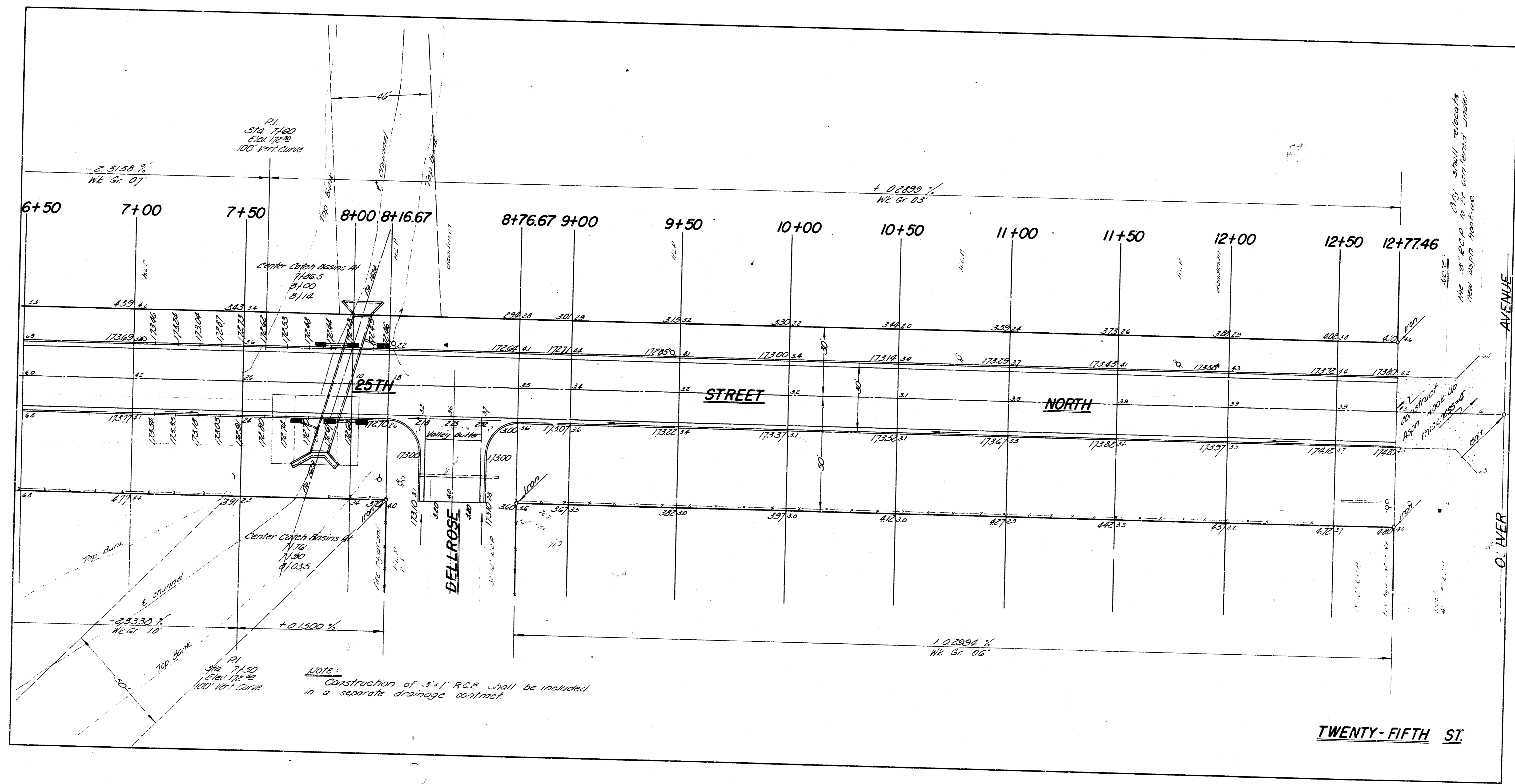


**Notes:**  
 The paving contractor shall provide a smooth grade between the new intersection pavement & the existing m. 1' 30\"/>

Excavation		Comp. Fill	
Prop.	City	Prop.	City
342.5	430.5	82.0	5.9
342.6	431	82	0.6
376.7	533.6	90.2	6.5

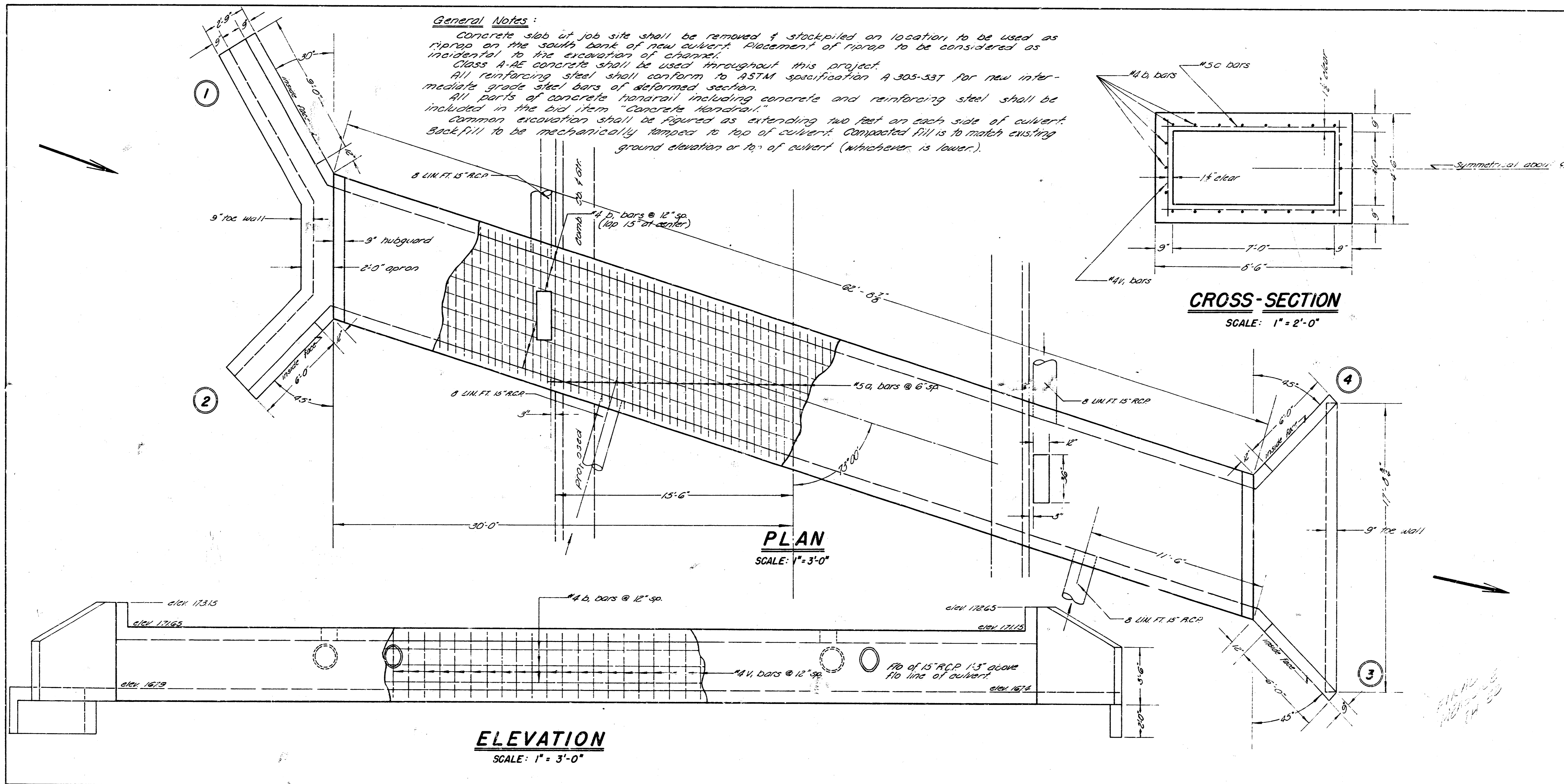
**TWENTY-FIFTH STREET**  
 W.L. GREENBRIAR MANOR TO W.L. OLIVER AVE.  
**26'-2'-30' A.C.**  
 CITY OF WICHITA, KANSAS  
 B. E. SMITH CITY ENGINEER  
 DATE: July - 1961 PROJ. NO C10-28





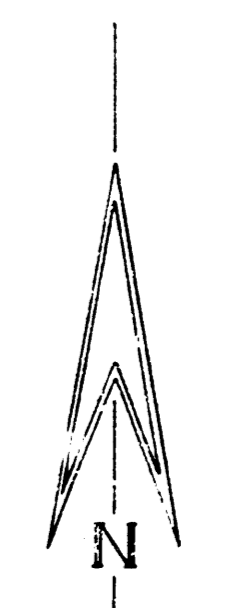
**General Notes:**

Concrete slab at job site shall be removed & stockpiled on location to be used as riprap on the south bank of new culvert. Placement of riprap to be considered as incidental to the excavation of channel.  
 Class A-AC concrete shall be used throughout this project.  
 All reinforcing steel shall conform to ASTM specification A 305-53T for new intermediate grade steel bars of deformed section.  
 All parts of concrete handrail including concrete and reinforcing steel shall be included in the bid item "Concrete Handrail."  
 Common excavation shall be figured as extending two feet on each side of culvert. Backfill to be mechanically tamped to top of culvert. Compacted fill is to match existing ground elevation or top of culvert (whichever is lower).

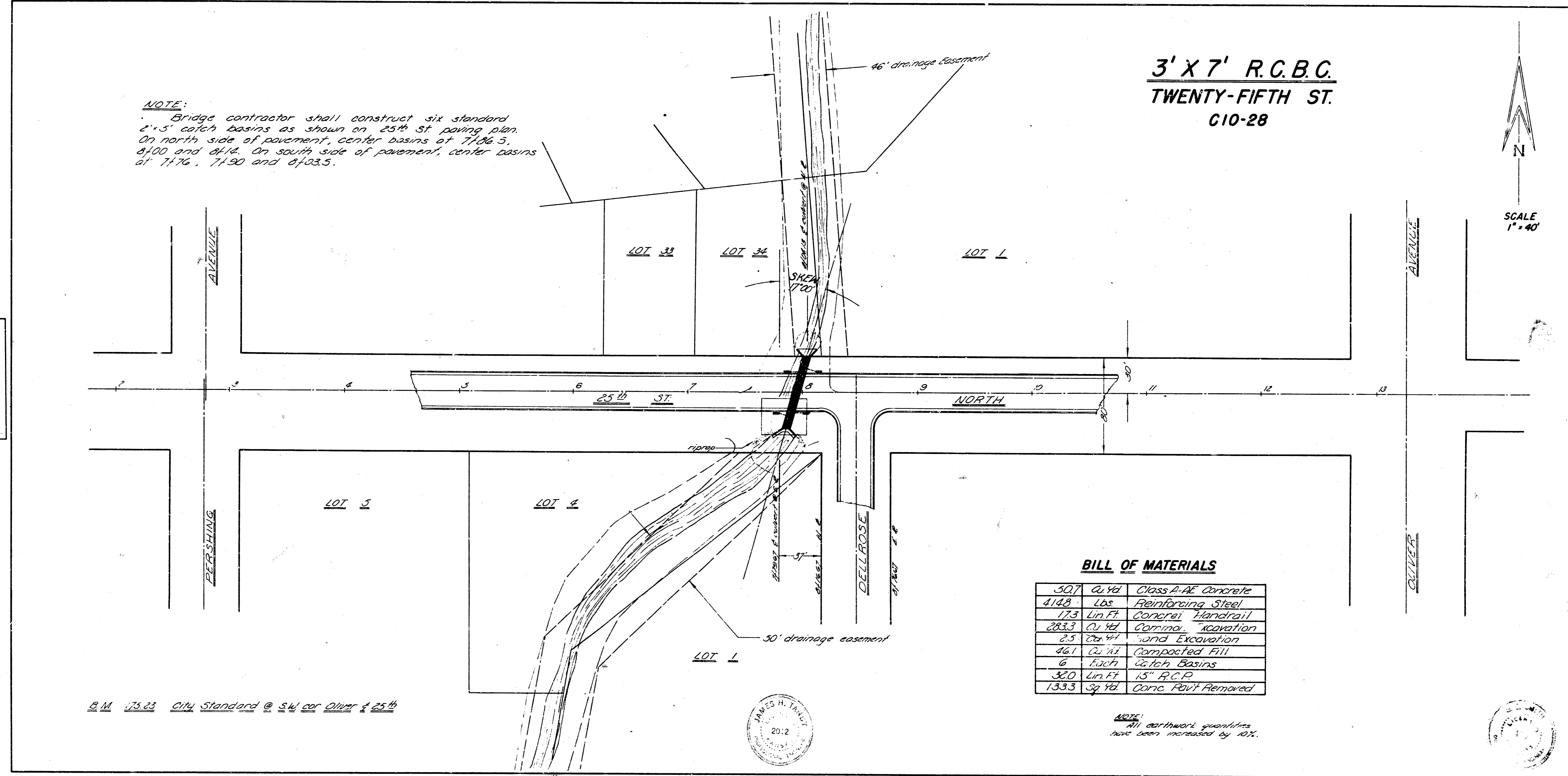


**NOTE:**  
 Bridge contractor shall construct six standard  
 2'-5" catch basins as shown on 25th St paving plan.  
 On north side of pavement, center basins at 7+06.5,  
 8+00 and 8+14. On south side of pavement, center basins  
 at 7+76, 7+90 and 8+03.5.

**3' X 7' R.C.B.C.**  
**TWENTY-FIFTH ST.**  
**C10-28**



SCALE  
 1" = 40'



**BILL OF MATERIALS**

307	cu yd	Class A-AE Concrete
4148	Lbs	Reinforcing Steel
173	Lin Ft	Concrete Handrail
283.3	cu yd	Concrete Excavation
2.5	cu yd	Soil Excavation
461	cu yd	Compacted Fill
6	Each	Catch Basins
320	Lin Ft	15" R.C.P.
133.3	sq yd	Conc. Pavt Removed

**NOTE:**  
 All earthwork quantities  
 have been increased by 10%.

Date 6/28/12  
 Job 61804

B.M. 173.23 City Standard @ SW cor Oliver & 25th



