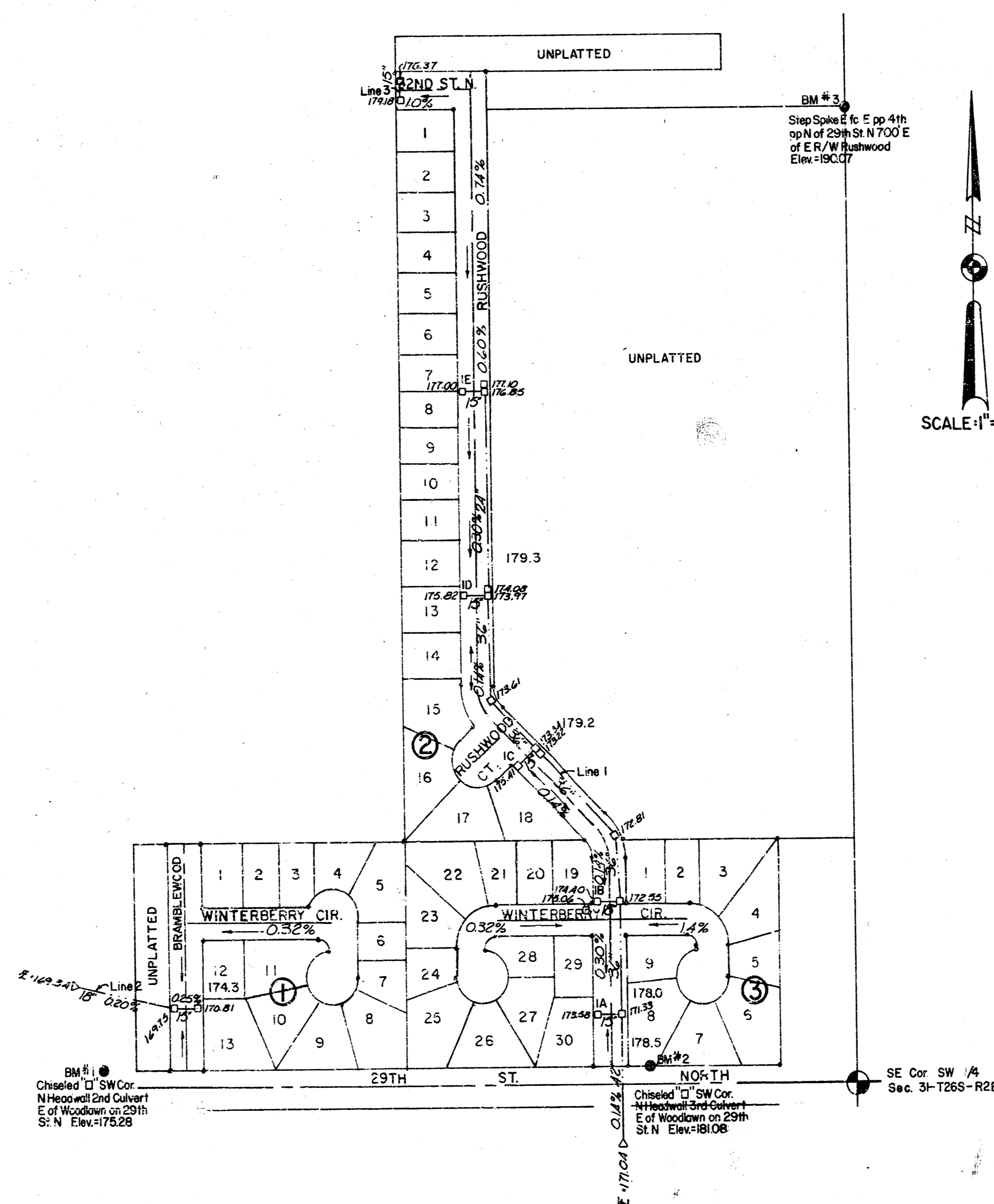


# S.W.S. NO. 154 STORM SEWERS IN COTTONWOOD VILLAGE THIRD ADDITION

PROJECT NO.  
468-76-245-80727-000-000-001  
CITY OF WICHITA, KANSAS  
DEAN SELLERS-ACTING CITY ENGINEER

### GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED IN THIS PROJECT SITE DEVELOPMENT.
2. FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES IN THE PROJECT AREA BEFORE CONSTRUCTION BEGINS. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND THIMBLES DISTURBED DURING CONSTRUCTION.
3. THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
4. ALL METAL PIPES SHALL BE HELICALLY CORRUGATED PIPE FULLY COATED BOTH INSIDE AND OUTSIDE. THE COATING MAY BE BITUMINOUS OR POLYMERIC AS SPECIFIED IN AASHTO DESIGNATION: M246 - 78, TYPE B. ALL SUCH COATED CORRUGATED PIPE SHALL BE SMOOTH FLOW PIPES FOR SIZES 24" DIAMETER & LARGER. ALL CONNECTIONS FOR THESE FULLY COATED OR FULLY COATED PIPES SHALL BE CONSTRUCTED USING HUGGER TYPE COUPLER OR JOINT.
5. ALL CONCRETE SHALL BE "6 - SACK CONCRETE" UNLESS OTHERWISE NOTED.
6. THE RIPRAP FOR THIS PROJECT SHALL BE TYPE 3. THE TYPE 3 RIPRAP SHALL BE 12" RIPRAP ON 6" SAND AND GRAVEL BEDDING. THE ROCK FOR RIPRAP AND GRAVEL PROTECTION SHALL BE HARD, DENSE, DURABLE AND SHALL BE REASONABLY WELL GRADED. THE SIZE RANGE OF ROCK USED SHALL BE A MAXIMUM OF ONE CUBIC FOOT AND A MINIMUM OF 1 1/2 INCH. THE 6 INCH SAND AND GRAVEL BEDDING FOR RIPRAP SHALL BE A CONTINUOUS LAYER OF SAND AND GRAVEL OR SAND AND CRUSHED ROCK, REASONABLY WELL GRADED TO A MAXIMUM OF 1 1/2 INCHES IN SIZE.
7. CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATER LINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPARTMENT ENGINEER.
8. CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING PRECAST CONCRETE TYPE IA CURB INLETS IN LIEU OF THE BRICK TYPE STRUCTURE. SEE STANDARD DETAIL PRECAST TYPE IA CURB INLET, DATED AUGUST, 1979.



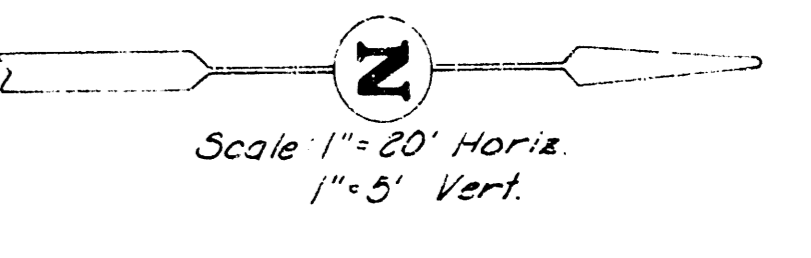
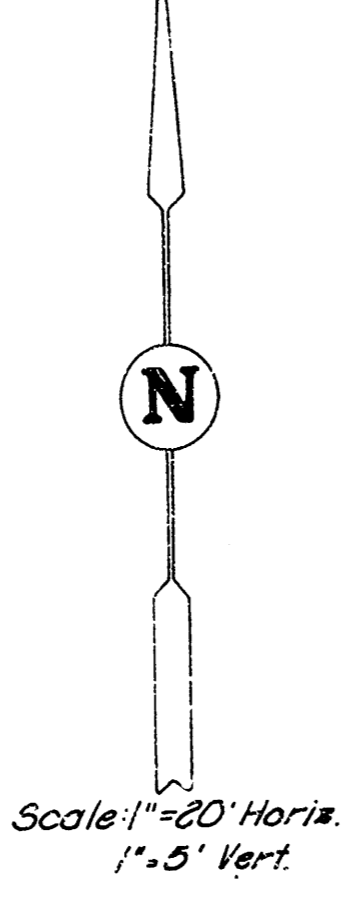
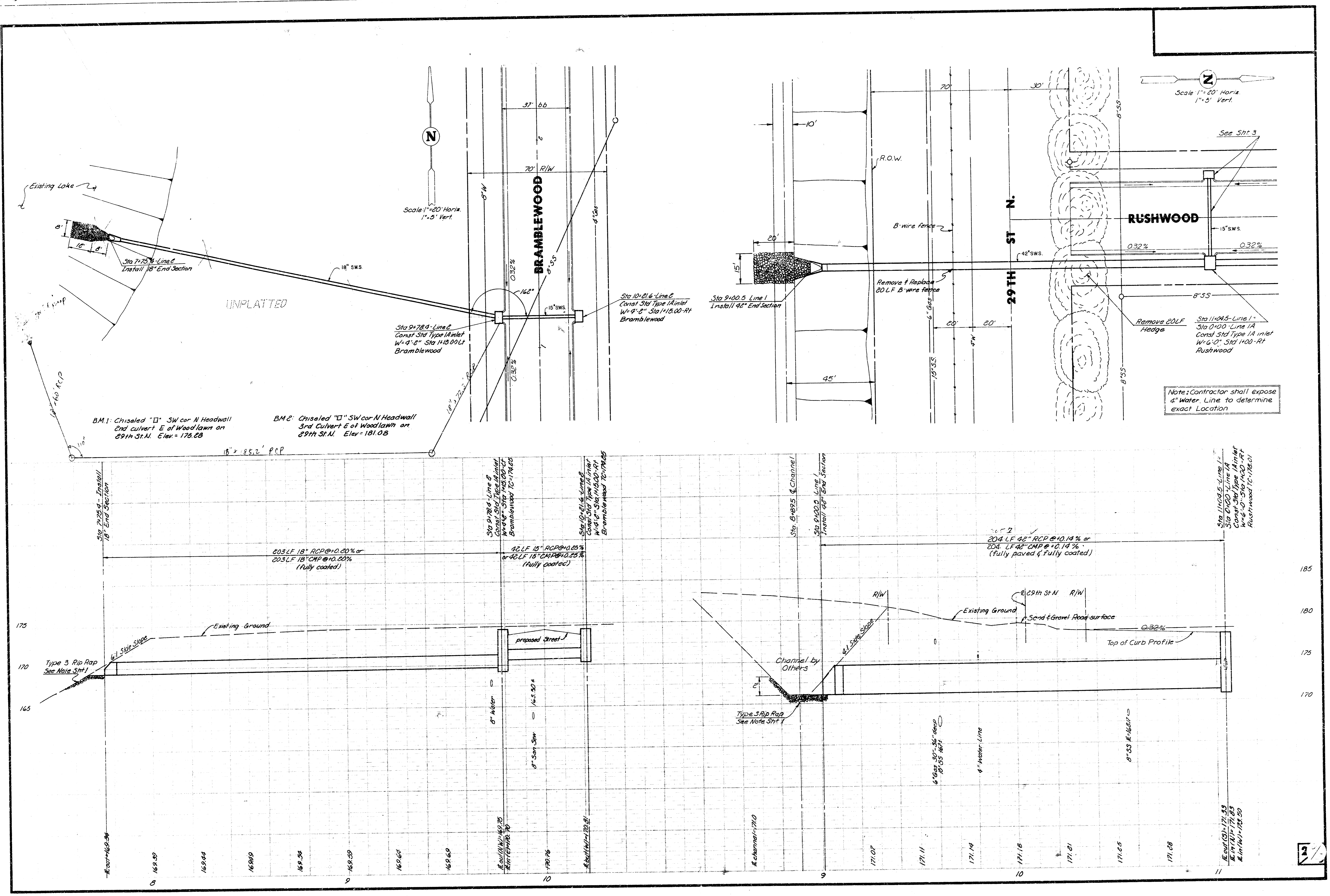
### INDEX TO DRAWINGS

| SHEET NO. | DESCRIPTION          |
|-----------|----------------------|
| 1.        | TITLE SHEET          |
| 2.        | LINE 1, LINE 2       |
| 3.        | LINE 1, IA, IB       |
| 4.        | LINE 1, IC, LINE 3   |
| 5.        | LINE 1, ID, IE       |
| 6.        | TYPE IA INLET DETAIL |



**Van Doren - Hazard - Stallings**  
Architects • Engineers • Planners  
Topeka • Wichita • Minneapolis

Sheet **1**

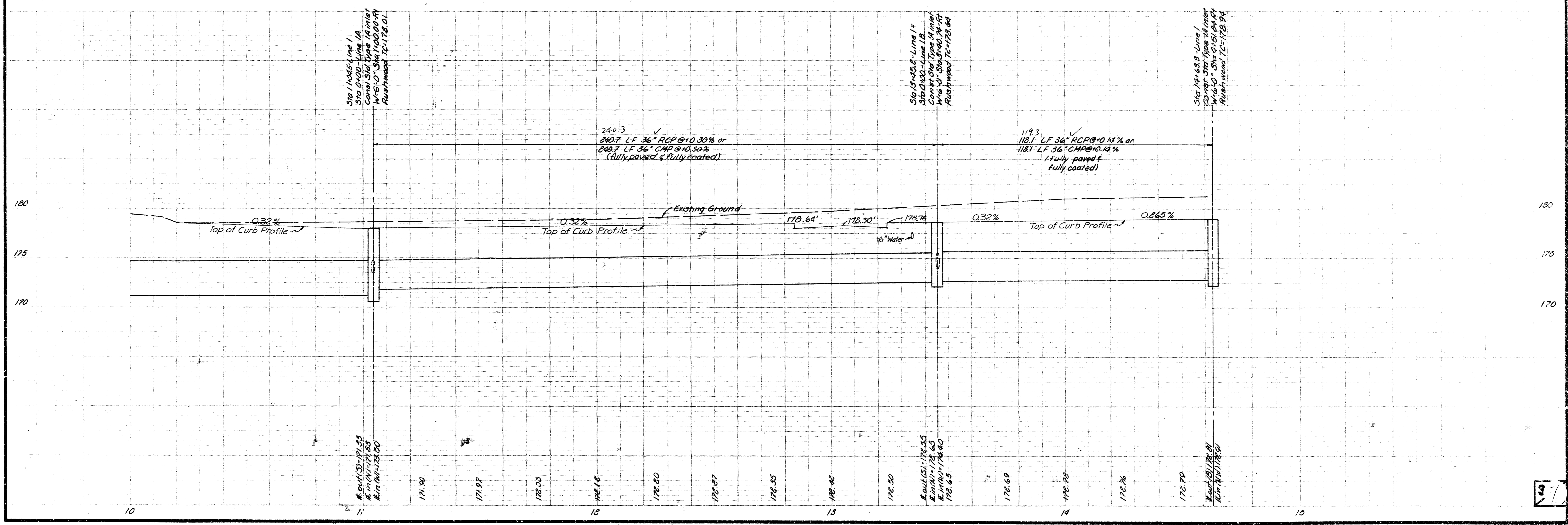
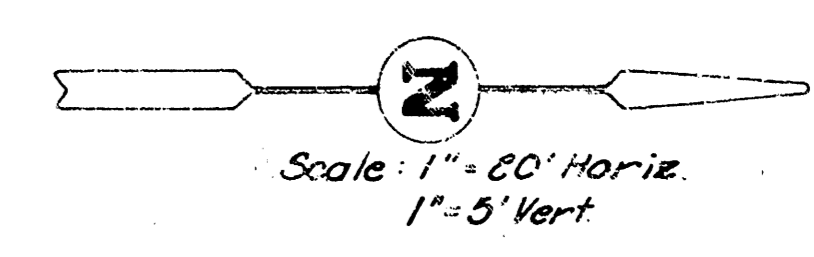
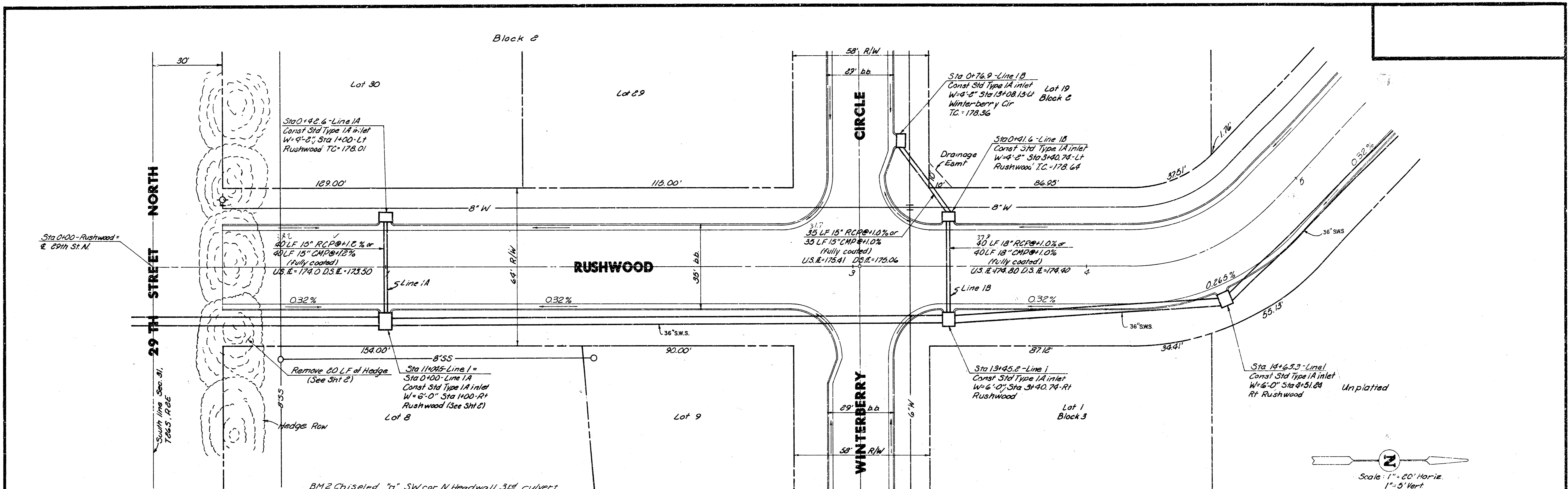


B.M. 1: Chiseled "I" SW cor N Headwall  
End culvert E of Woodlawn on  
29th St N. Elev = 175.08

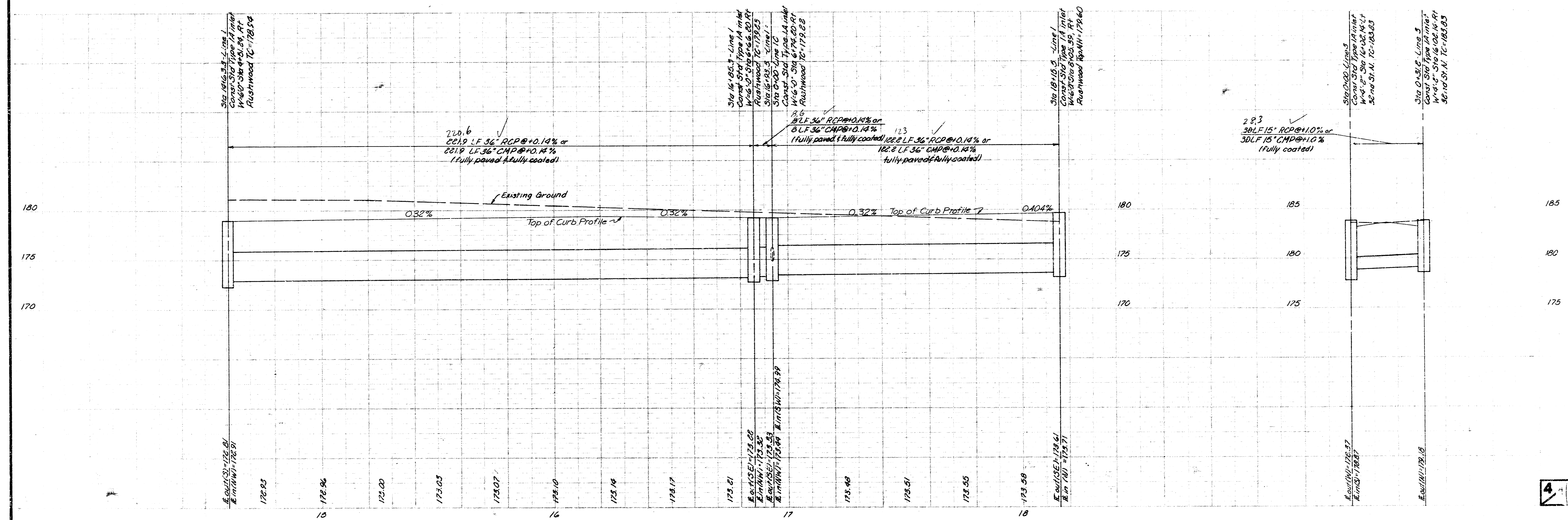
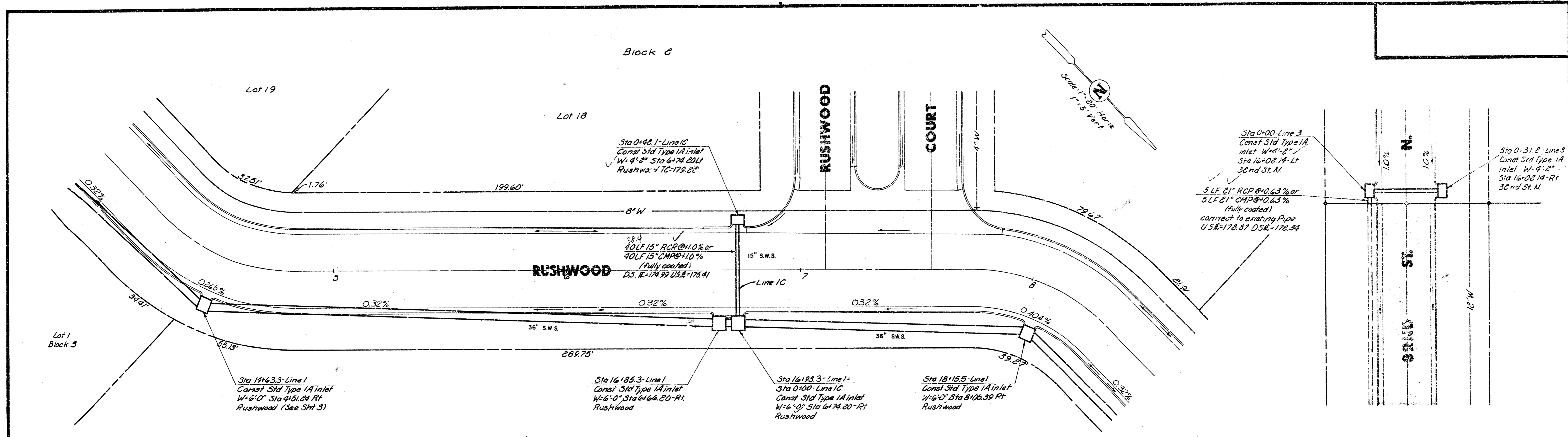
B.M. 2: Chiseled "I" SW cor N Headwall  
3rd Culvert E of Woodlawn on  
29th St N. Elev = 181.08

Note: Contractor shall expose  
4" Water Line to determine  
exact Location

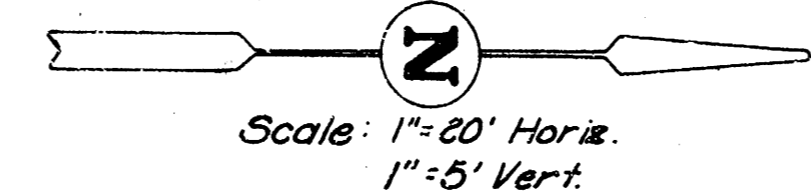
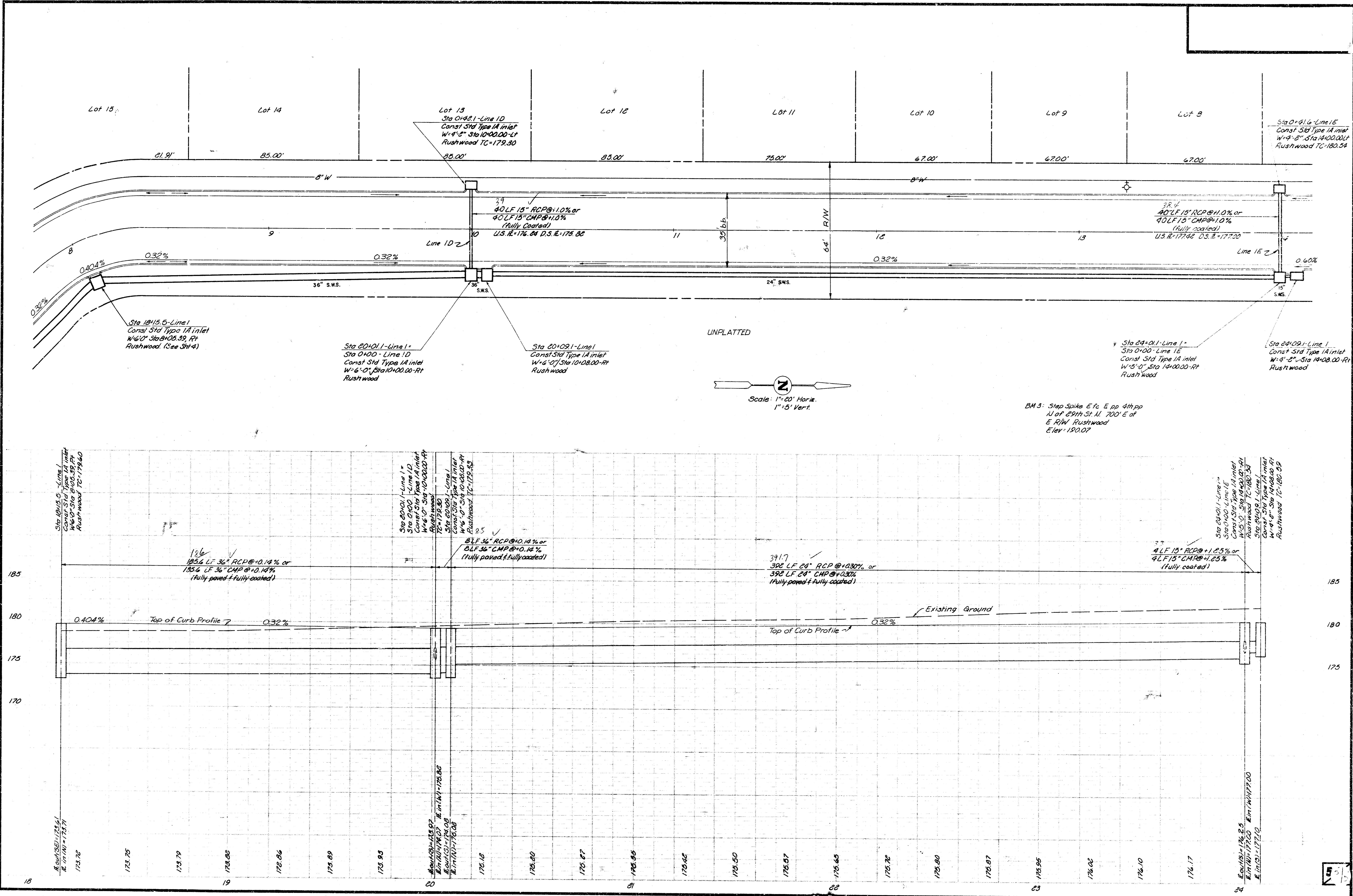












BM 3: Step Spike Etc. E pp 4th pp  
 1/4" of 29th St. N. 700' E of  
 E. R/W. Rushwood  
 Elev. 190.07

