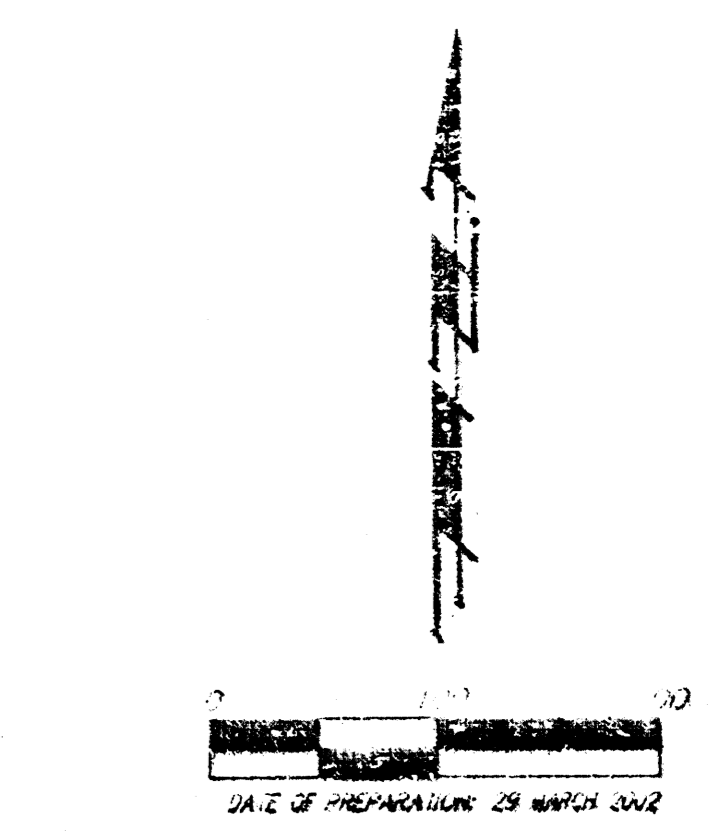
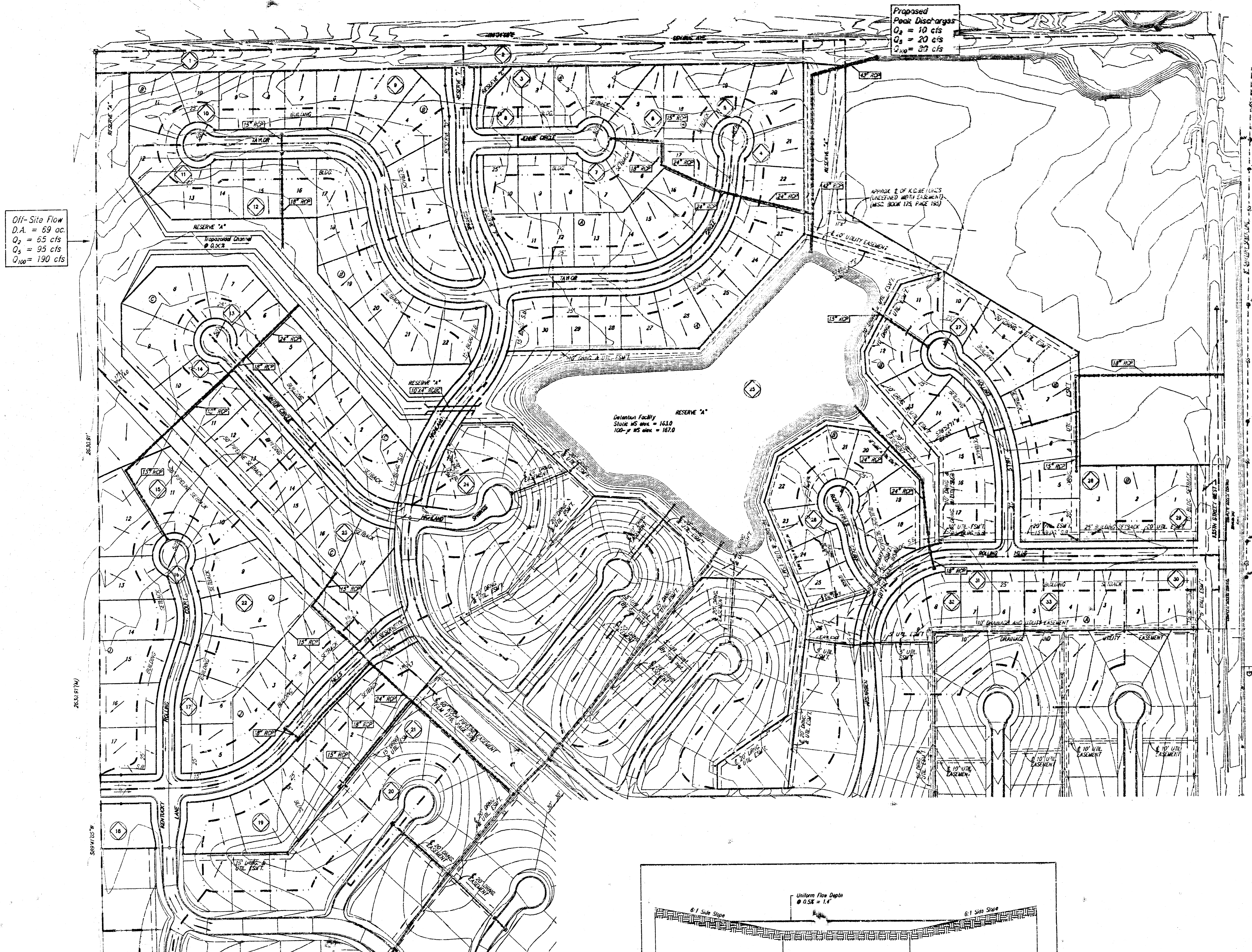


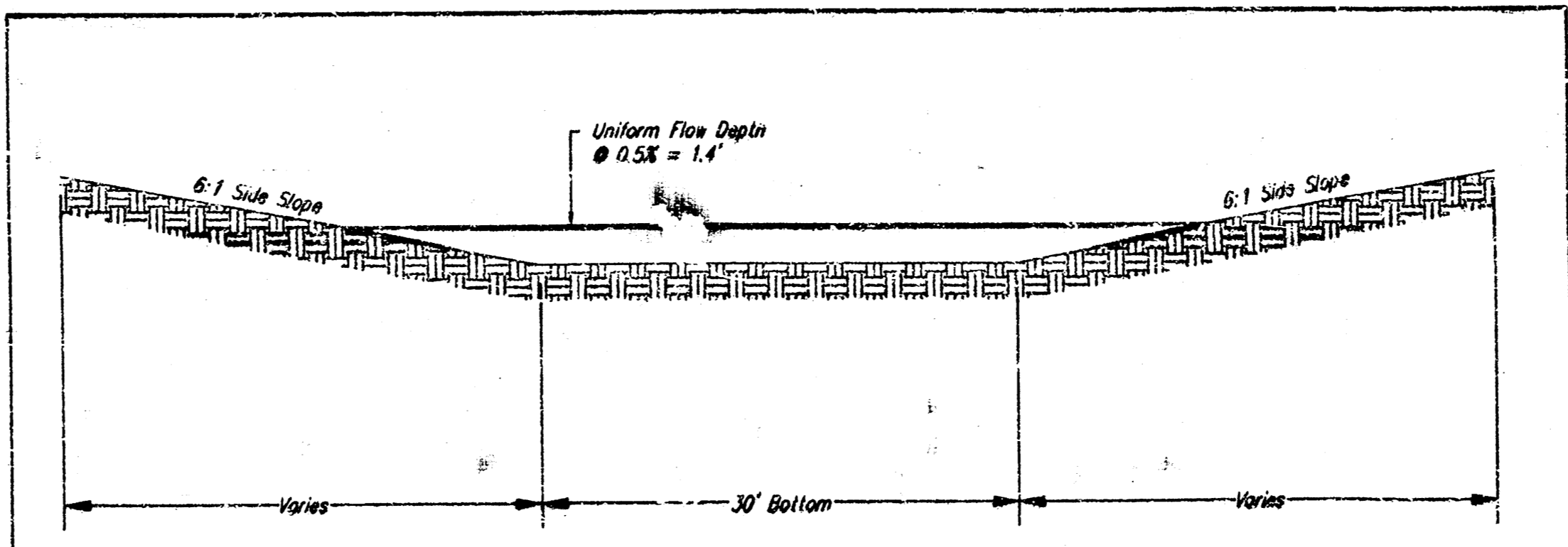
# DRAINAGE PLAN

## HIGHLAND SPRINGS 3RD ADDITION

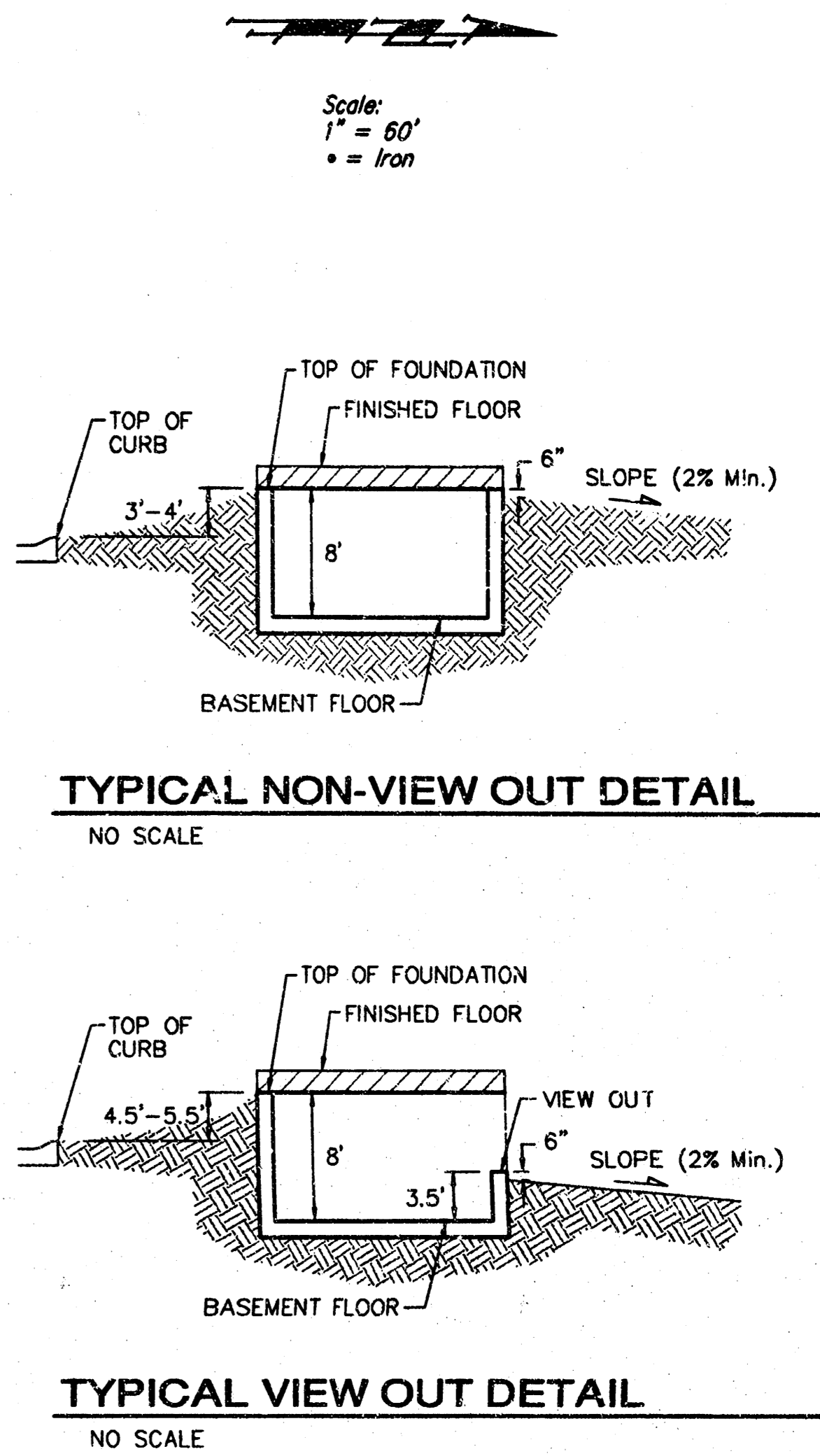
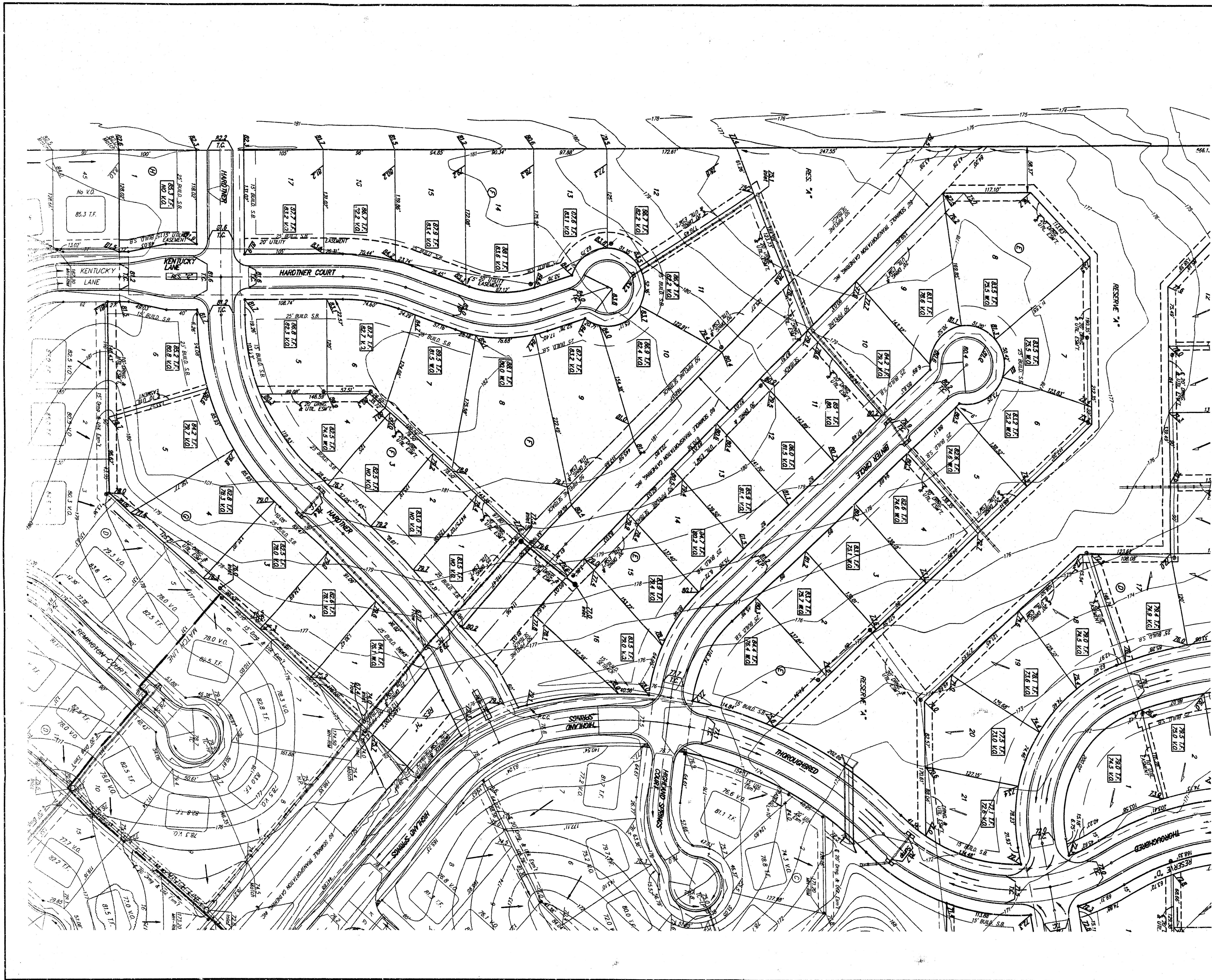
### WICHITA, SEDGWICK COUNTY, KANSAS



| Station | Area | 2-yr | 5-yr | 10-yr | 100-yr |
|---------|------|------|------|-------|--------|
| 0       | 0.00 | 0.00 | 0.00 | 0.00  | 0.00   |
| 1       | 1.23 | 0.48 | 0.49 | 0.50  | 0.51   |
| 2       | 2.39 | 0.48 | 0.49 | 0.50  | 0.51   |
| 3       | 3.44 | 0.48 | 0.49 | 0.50  | 0.51   |
| 4       | 4.44 | 0.48 | 0.49 | 0.50  | 0.51   |
| 5       | 5.12 | 0.48 | 0.49 | 0.50  | 0.51   |
| 6       | 5.71 | 0.48 | 0.49 | 0.50  | 0.51   |
| 7       | 6.21 | 0.48 | 0.49 | 0.50  | 0.51   |
| 8       | 6.62 | 0.48 | 0.49 | 0.50  | 0.51   |
| 9       | 6.95 | 0.48 | 0.49 | 0.50  | 0.51   |
| 10      | 7.21 | 0.48 | 0.49 | 0.50  | 0.51   |
| 11      | 7.40 | 0.48 | 0.49 | 0.50  | 0.51   |
| 12      | 7.52 | 0.48 | 0.49 | 0.50  | 0.51   |
| 13      | 7.57 | 0.48 | 0.49 | 0.50  | 0.51   |
| 14      | 7.56 | 0.48 | 0.49 | 0.50  | 0.51   |
| 15      | 7.49 | 0.48 | 0.49 | 0.50  | 0.51   |
| 16      | 7.36 | 0.48 | 0.49 | 0.50  | 0.51   |
| 17      | 7.17 | 0.48 | 0.49 | 0.50  | 0.51   |
| 18      | 6.93 | 0.48 | 0.49 | 0.50  | 0.51   |
| 19      | 6.64 | 0.48 | 0.49 | 0.50  | 0.51   |
| 20      | 6.31 | 0.48 | 0.49 | 0.50  | 0.51   |
| 21      | 5.94 | 0.48 | 0.49 | 0.50  | 0.51   |
| 22      | 5.54 | 0.48 | 0.49 | 0.50  | 0.51   |
| 23      | 5.11 | 0.48 | 0.49 | 0.50  | 0.51   |
| 24      | 4.65 | 0.48 | 0.49 | 0.50  | 0.51   |
| 25      | 4.17 | 0.48 | 0.49 | 0.50  | 0.51   |
| 26      | 3.67 | 0.48 | 0.49 | 0.50  | 0.51   |
| 27      | 3.15 | 0.48 | 0.49 | 0.50  | 0.51   |
| 28      | 2.61 | 0.48 | 0.49 | 0.50  | 0.51   |
| 29      | 2.05 | 0.48 | 0.49 | 0.50  | 0.51   |
| 30      | 1.48 | 0.48 | 0.49 | 0.50  | 0.51   |
| 31      | 0.90 | 0.48 | 0.49 | 0.50  | 0.51   |
| 32      | 0.31 | 0.48 | 0.49 | 0.50  | 0.51   |
| 33      | 0.00 | 0.48 | 0.49 | 0.50  | 0.51   |



NOTE: The proposed drainage plan provided herein is a gully section plan to follow for design. It is recognized and assumed that upon the final design of street and utility sewer improvements within this plan that the designer will modify or alter the general drainage plan as necessary in order to maintain the installation of the improvements to the most economical design and construction possible.



**NOTES:**

Propose: Top of Foundation Elevations Are Shown On Plans. Contractor to Set Finished Floor Elevations.

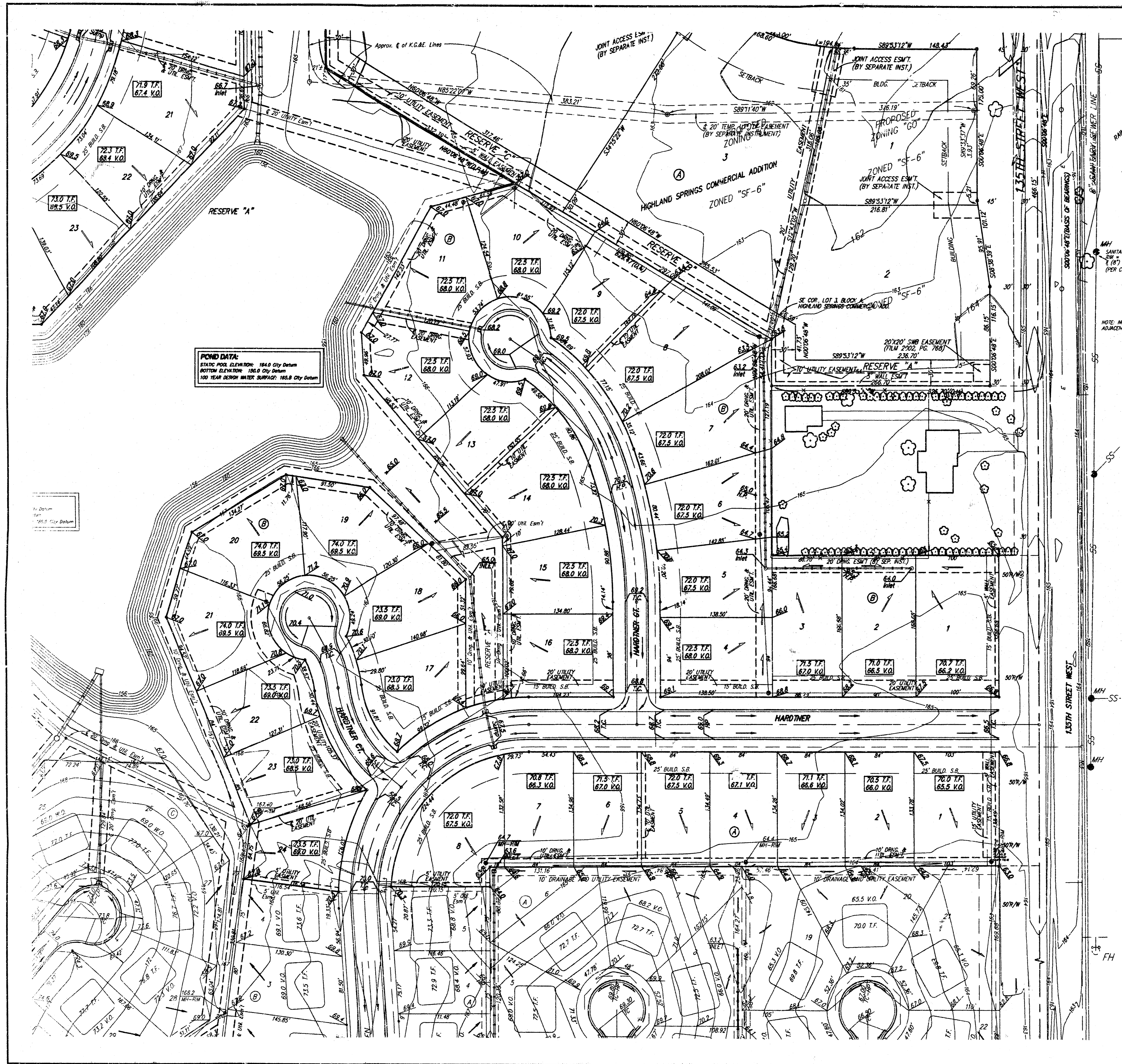
All Street Elevations Shown on Plans Are for Top of Curb (Full-Height).

This Grading Plan is Designed with View-Outs. Elevations Shown as (XX.X V.O.).

Lot dimensions have been omitted on this plan, refer to the recorded plat for this information.

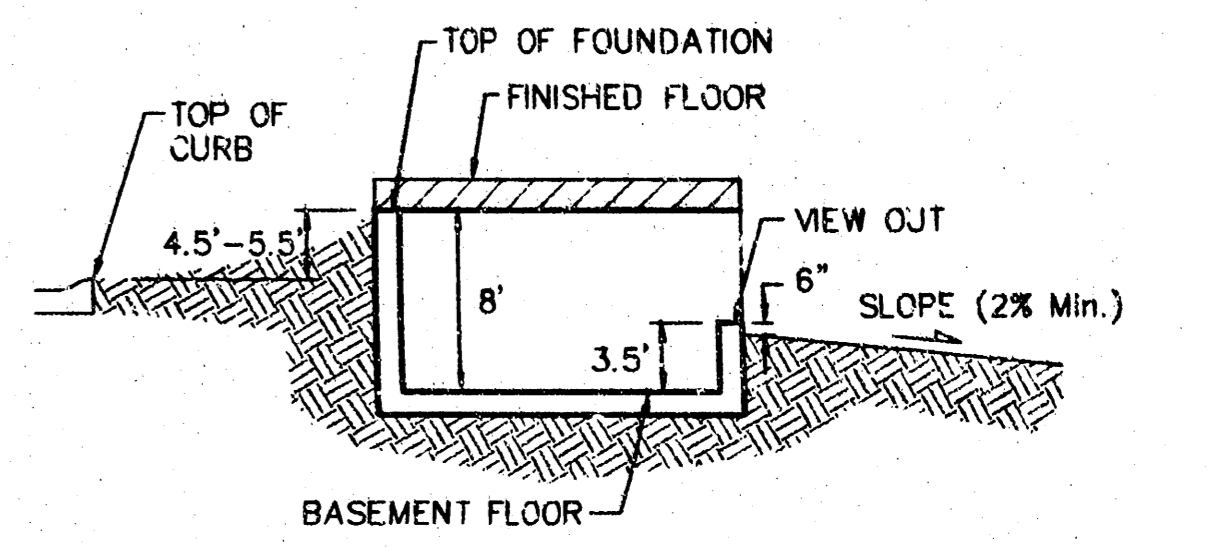
**BENCHMARK:**  
City of Wichita benchmark disk 32.6' N and 24.5' E of intersection of 135th St. W. and Central, 39.5' NE of iron at section corner.  
Elev. = 159.50 City Datum

|   |                   |  |                 |
|---|-------------------|--|-----------------|
|   |                   | <b>Highland Springs 3rd Addition</b><br><b>GRADING PLAN</b><br>City of Wichita |                 |
| <small>Baughman Company, P.A. 315 5th &amp; Walnut, KS 67211 P 316-265-3111 F 316-265-3149<br/>         ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE</small> |                   |  |                 |
| REVISIONS<br>7/23/04 JAK<br><small>Number One in Your Own, Low 1016, Book 2 and Low 1617, Book 2</small>  | DESIGN<br>BLP/BLG | DRAWN<br>BLG   | DATE<br>17MAY02 |
| SCALE<br>NOTED  |                   | SHEET<br><b>2 OF 3</b>   |                 |
| <small>F:\Orisk\Highland\highland3\grade.dwg</small>  |                   |  |                 |



**POND DATA:**  
 STAINING POOL ELEVATION: 164.0 City Datum  
 BOTTOM ELEVATION: 162.4 City Datum  
 100 YEAR DESIGN WATER SURFACE: 165.8 City Datum

Scale: 1" = 60'  
 • = Iron



**TYPICAL VIEW OUT DETAIL**  
 NO SCALE

**NOTES:**  
 Proposed Top of Foundation Elevations Are Shown on Plans. Contractor to Set Finished Floor Elevations.  
 All Street Elevations Shown on Plans Are for Top of Curb (Full-Height).  
 This Grading Plan is Designed with View-Outs. Elevations Shown as (XX.X V.O.)  
 Lot dimensions have been omitted on this plan, refer to the recorded plat for this information.  
 Benchmarks:  
 135th St. W. & Central  
 City of Wichita Benchmark DISC - NE Cor.  
 Intersection, 32.6' N. & 24.5' E. of C both, 39.5'  
 NE of Iron at Sec. Cor.  
 Elev. = 159.50 (City Datum)  
 Brass disc in curb - east side of Aksarben  
 adjacent to fire hydrant 5'± South of SW Cor. Lot  
 8, Block A, Highland Springs 3rd Addition.  
 Elev. = 170.00 (City Datum)

|  |                    |  |                                  |
|--|--------------------|--|----------------------------------|
|  |                    | <b>Highland Springs 3rd Addition</b><br><b>GRADING PLAN</b><br>City of Wichita |                                  |
| <small>Baughman Company, P.A. 315 8th St. Wichita, KS 67211 P 316-263-7271 F 316-263-0149<br/>         ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE</small> |                    |  |                                  |
| REVISIONS<br>4/25/04<br>5/07/04<br><small>Show pond data and street grade from 4-24-04, Block B<br/>         Review and date from 1-4-04, Block A</small>                  | IAK/NBW<br>IAK/NBW | DISCUS<br>BLE/BLG<br>APPROVED  | DRAWN<br>BLEG<br>DATE<br>17MAY02 |
| SCALE<br>NOTED   |                    | SHEET<br><b>3 OF 3</b>   |                                  |
| <small>F:\Cred\Highland\Highland01\grading.dwg</small>   |                    |  |                                  |