

# COTTONWOOD CREEK STABILITY EVALUATION

## LOCATED PARTIALLY IN NORTHEAST COLORADO SPRINGS AND EL PASO COUNTY

### MAY 1996

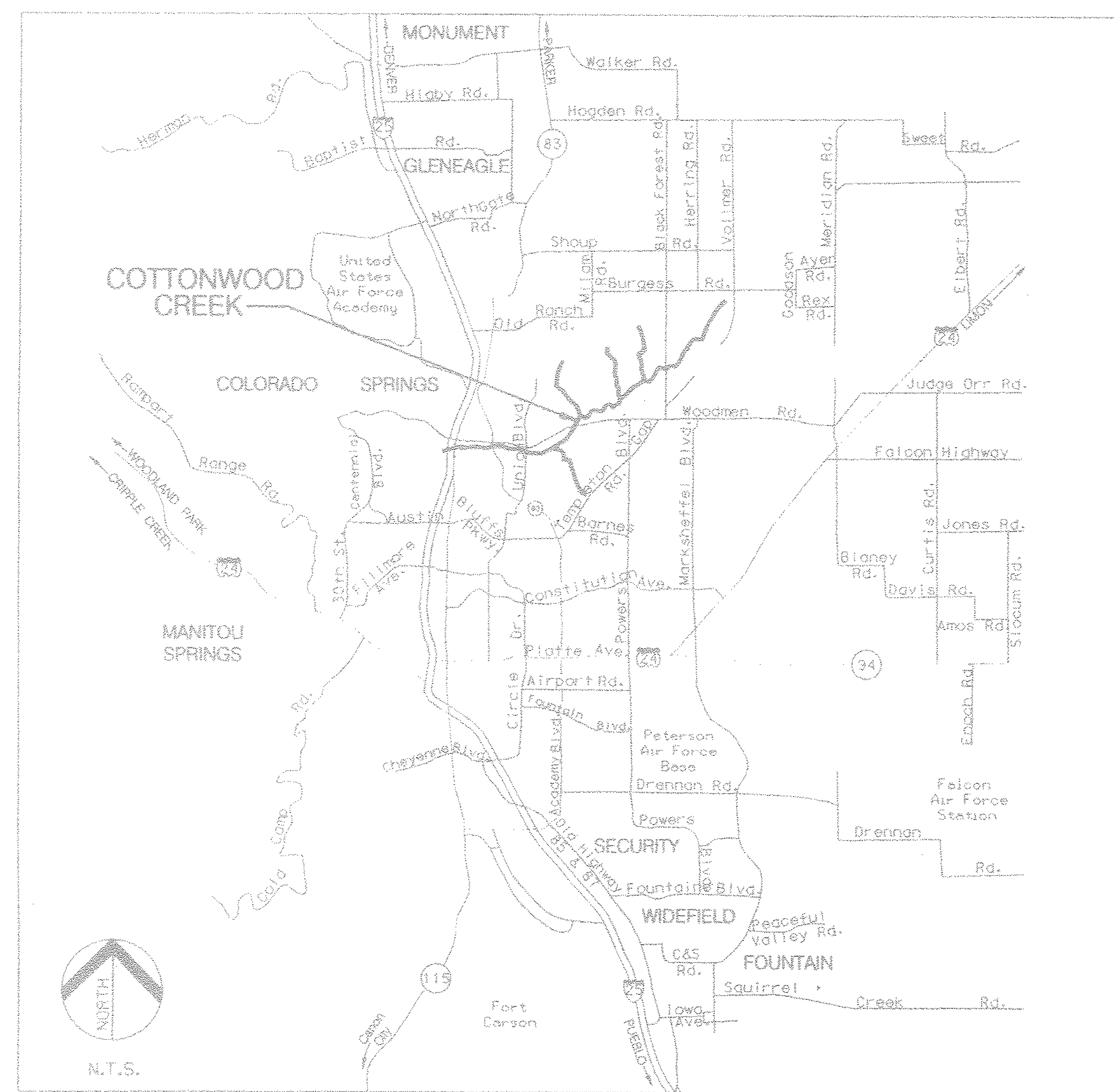
Engineers/Scientists/Surveyors  
Professional Seal  
P.E. No. 37045  
P.S. No. 37045  
19701 223-5558

**AYRES ASSOCIATES**

COVER SHEET

COTTONWOOD CREEK  
STABILITY EVALUATION

|                   |         |                   |         |
|-------------------|---------|-------------------|---------|
| Revised By:       | Date:   | Revised By:       | Date:   |
| Drawn By: CAX     | 5-13-96 | Drawn By: CAX     | 5-13-96 |
| Checked By: DRL   | 5-14-96 | Checked By: DRL   | 5-14-96 |
| Approved By: RCL  |         | Approved By: RCL  |         |
| Job No. 9134-0320 |         | Job No. 9134-0320 |         |
| Sheet 1 of 15     |         | Sheet 1 of 15     |         |



VICINITY MAP

#### INDEX

| SHEET | DESCRIPTION                     |
|-------|---------------------------------|
| 1     | COVER SHEET                     |
| 2     | PLAN AND PROFILE SHEET 1        |
| 3     | PLAN AND PROFILE SHEET 2        |
| 4     | PLAN AND PROFILE SHEET 3        |
| 5     | PLAN AND PROFILE SHEET 4        |
| 6     | PLAN AND PROFILE SHEET 5        |
| 7     | PLAN AND PROFILE SHEET 6        |
| 8     | PLAN AND PROFILE SHEET 7        |
| 9     | PLAN AND PROFILE SHEET 8        |
| 10    | TRIB 1 PLAN AND PROFILE SHEET 1 |
| 11    | TRIB 1 PLAN AND PROFILE SHEET 2 |
| 12    | TRIB 1 PLAN AND PROFILE SHEET 3 |
| 12A   | TRIB 1 PLAN AND PROFILE SHEET 4 |
| 13    | TRIB 4 PLAN AND PROFILE SHEET 1 |
| 14    | TRIB 4 PLAN AND PROFILE SHEET 2 |
| 15    | GENERAL DETAILS                 |

#### LEGEND

EXISTING CONTOURS

CENTERLINE STATIONING

APPROX. 100-YR.  
FLOOD PLAIN LIMITS  
(SCHEMATIC REPRESENTATION ONLY)

APPROX. TOP OF  
BANK / VALLEY MARGIN

PRUDENT LINE

HEC-2 CROSS SECTION  
REFERENCE NO. (REPRESENTATIVE)

DBPS HYDROLOGIC  
DESIGN POINT

CONSTRUCT  
GRADE CONTROL

PROPOSED IMPROVEMENTS

AREA WHICH MAY BE FILLED  
ACCORDING TO NOTE \* 3;  
AREA BEYOND PRUDENT LINE  
MAY BE DEVELOPED

#### NOTES:

1. THESE DRAWINGS SUPPLEMENT THE REPORT ENTITLED "COTTONWOOD CREEK DRAINAGE BASIN PLANNING STUDY" PREPARED BY AYRES ASSOCIATES (MAY 1996; UPDATED JANUARY 1999) AND ARE NOT INTENDED TO BE STAND ALONE DOCUMENTS. ANY INTERPRETATION OF THESE DRAWINGS FOR PLANNING AND DESIGN SHOULD FOLLOW THE CRITERIA AND RECOMMENDATIONS CONTAINED IN THE REPORT.
2. REFER TO SHEET 15 FOR CHANNEL IMPROVEMENT DETAILS.
3. AREAS WHICH ARE DESIGNATED PERMISSIBLE FOR FILLING MUST BE CONSTRUCTED IN ACCORDANCE WITH PROPER GEOTECHNICAL PRACTICES AND MUST HAVE APPROPRIATE LOCAL DRAINAGE (SURFACE AND SUBSURFACE), EROSION PROTECTION AND OTHER PROVISIONS CONSISTENT WITH THE PARCELS INTENDED USE.

THESE DRAWINGS REPRESENT CONCEPTUAL AND PRELIMINARY ENGINEERING AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES. TOPOGRAPHY, UTILITY AND SITE CONDITIONS MUST BE FIELD VERIFIED PRIOR TO BEGINNING DETAILED DESIGN. BASE MAPPING TAKEN FROM 1989 FIMS (LIMITED AREAS UPDATED IN 1995).