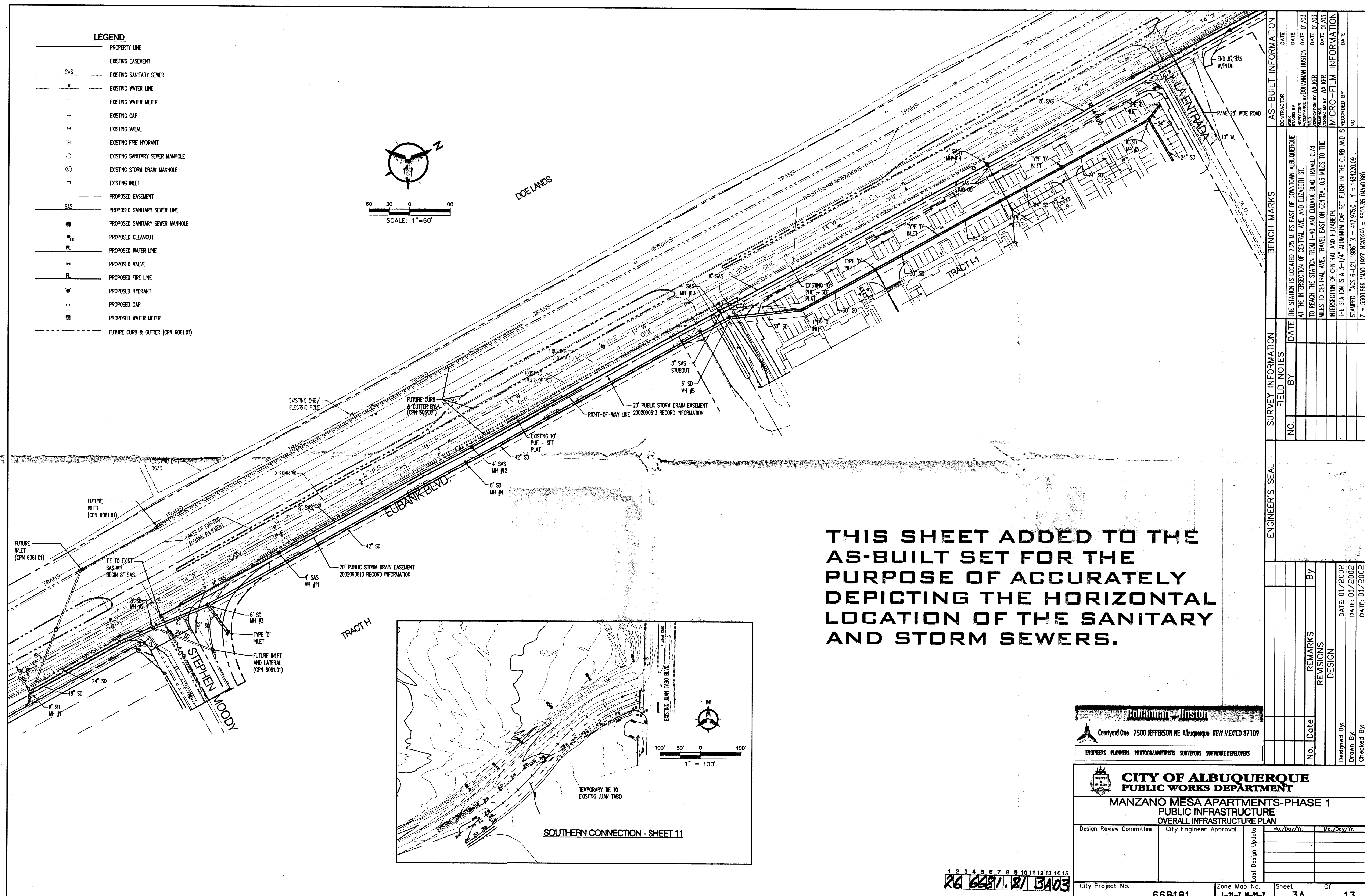
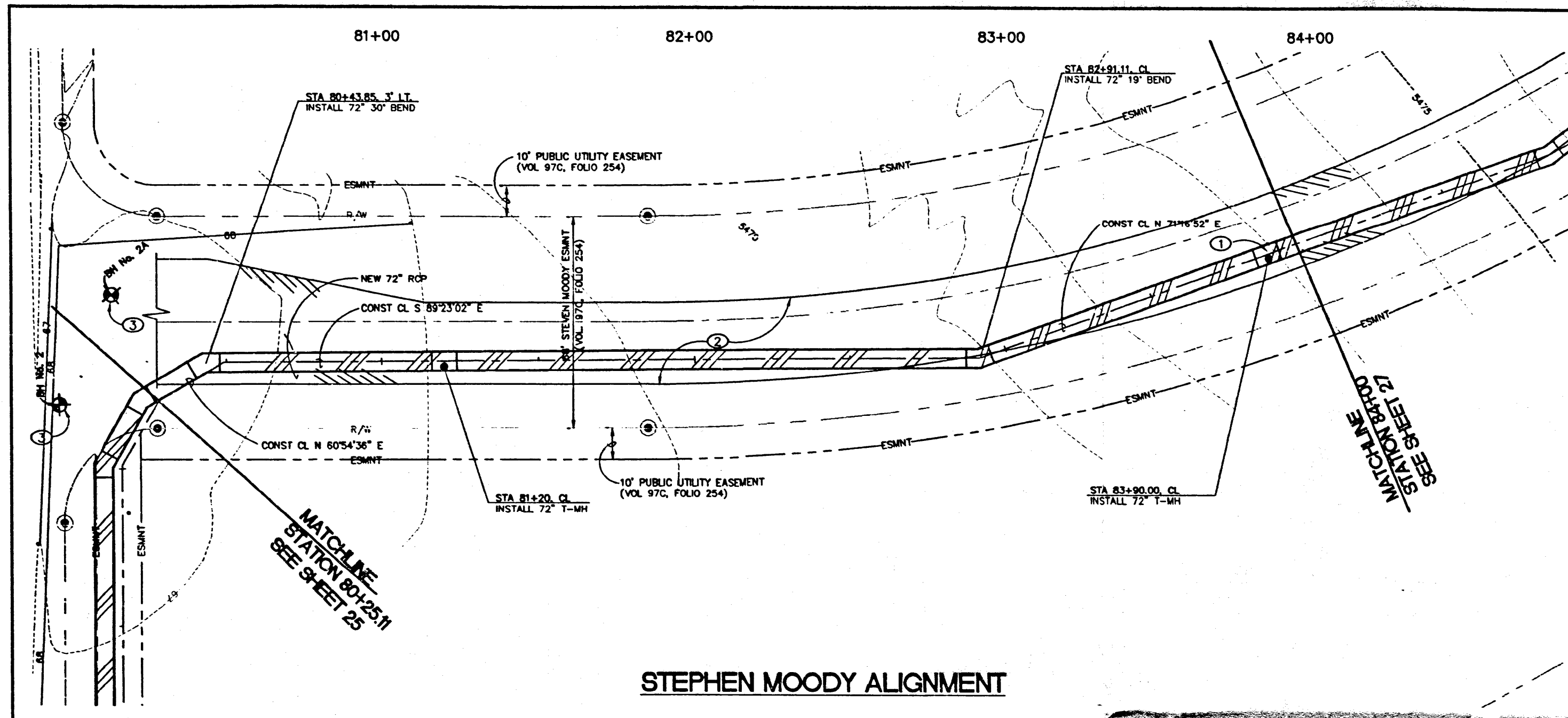
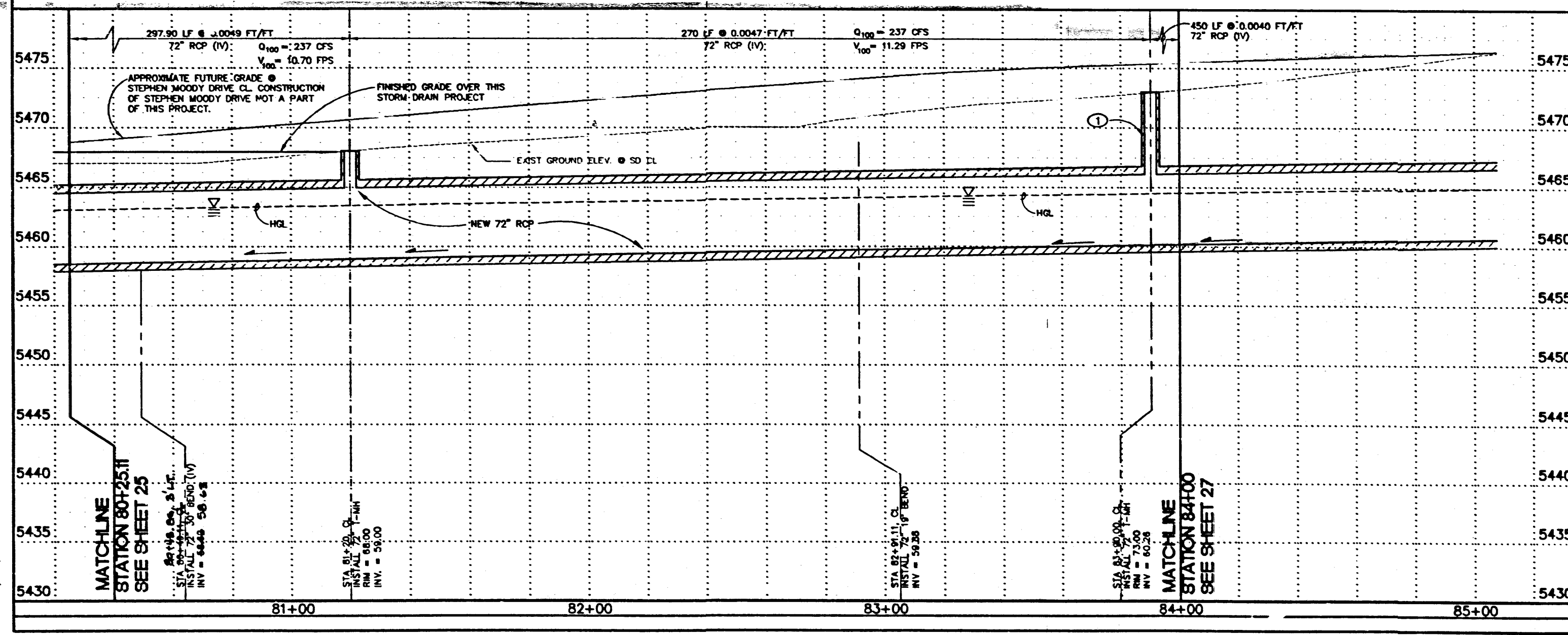








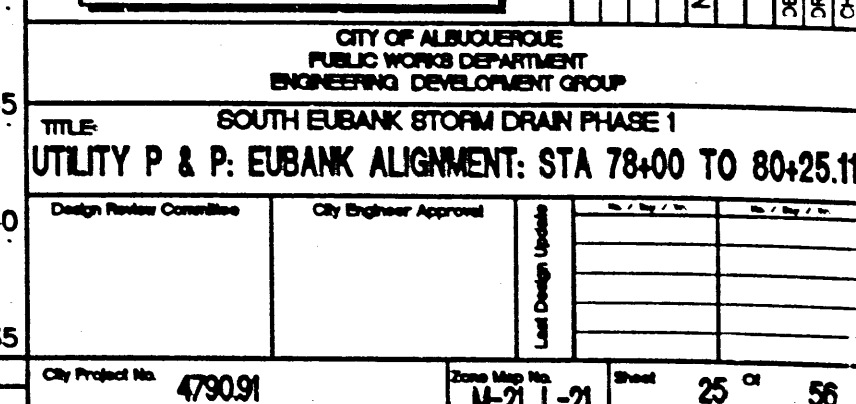
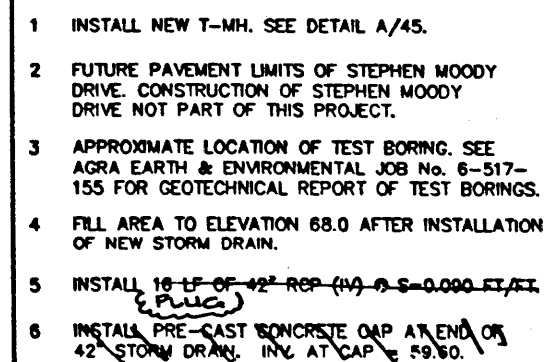
STEPHEN MOODY ALIGNMENT



- KEYED NOTES:
1. INSTALL NEW T-MH. SEE DETAIL A/45.
  2. FUTURE PAVEMENT LIMITS OF STEPHEN MOODY DRIVE. CONSTRUCTION OF STEPHEN MOODY DRIVE NOT PART OF THIS PROJECT.
  3. APPROXIMATE LOCATION OF TEST BORING. SEE AGRA EARTH & ENVIRONMENTAL JOB No. 6-517-155 FOR GEOTECHNICAL REPORT OF TEST BORINGS.

|                                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>AS BUILT INFORMATION</b><br>CONTRACTOR: LEP-21<br>DATE: 5/98<br>BY: [Signature]<br>CHECKED BY: [Signature]                                                                                                                                                                                                                    |  |
| <b>FIELD NOTES</b><br>NO. 11998<br>BY: STEPHEN JAMES<br>DATE: 11/98<br>TOLERANCE: 1/8"<br>SURVEYING CONTROL: INC.<br>ELEVATION: 5471.78'<br>GROUND COORDINATES: NORTING = 1,481,746.33; EASTING = 418,233.51<br>GRID COORDINATES: NORTING = 1,481,220.09; EASTING = 417,975.01<br>GROUND TO GRID FACTOR: 0.9984455               |  |
| <b>ENGINEER'S SEAL</b><br>[Seal of Smith Engineering Company]<br>Job # 195106<br>Smith Engineering Company<br>4000 South Central Ave., Suite 100, Albuquerque, NM 87106                                                                                                                                                          |  |
| <b>REVISIONS</b><br>NO. DATE REMARKS<br>1 5/98 REVISED STORM DRAIN ALIGNMENT<br>2 5/98 DESIGN<br>3 5/98                                                                                                                                                                                                                          |  |
| <b>CITY OF ALBUQUERQUE</b><br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DEVELOPMENT GROUP<br>TITLE: SOUTH EUBANK STORM DRAIN PHASE 1<br>UTILITY P & P: STEPHEN MOODY ALIGNMENT: STA 80+25.11 TO 84+00<br>Design Review Committee: [ ] City Engineer Approval: [ ]<br>City Project No. 4790.91 Zone Map No. M-21 L-21 Sheet 26 of 56 |  |



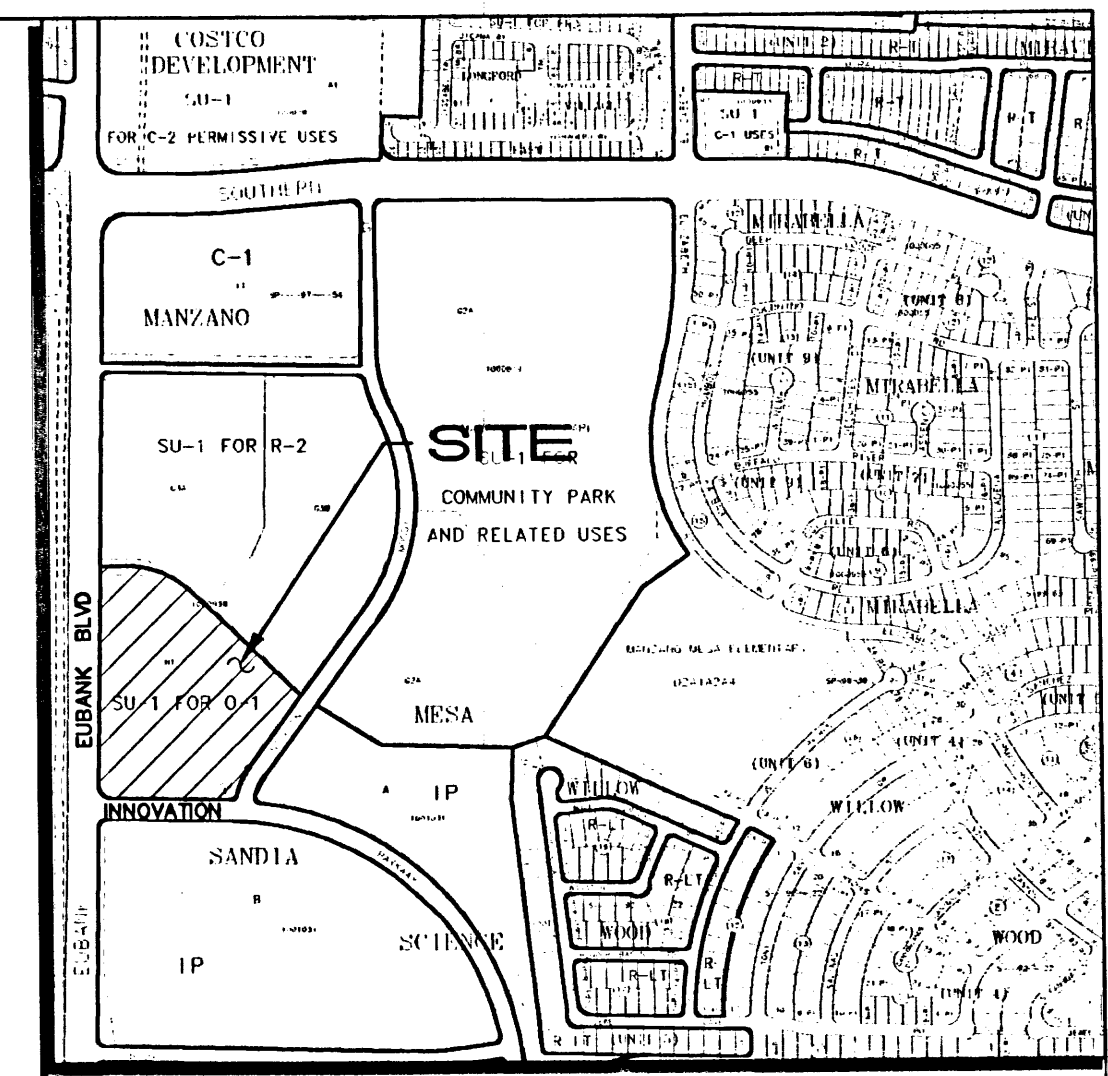
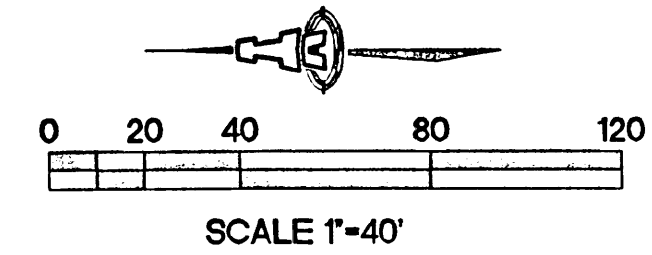


●

# CITY OF ALBUQUERQUE



- LEGEND**
- EXISTING CONTOUR
  - PROPOSED CONTOUR
  - PROPOSED SPOT ELEVATION
  - FLOW ARROW
  - PG= 78.0 PAD GRADE ELEVATION
  - SIDEWALK CULVERT
  - TOP OF CURB ELEVATION
  - PROPOSED BASIN BOUNDARY
  - BASIN ID
  - STORM DRAIN MANHOLE
  - NEW RETAINING WALL



VICINITY MAP

LEGAL DESCRIPTION: TRACT H-1 MANZANO MESA

LAND AREA: 11.40 ACRES  
(CURRENTLY UNDEVELOPED)

TRACT H-1-A: 3.90 ACRES  
(FUTURE SCHOOL SITE)

RESIDENTIAL SUBDIVISION: 7.50

HYDROLOGY: ZONE 3 100% A

EXISTING: Q=(11.40 ACRES)(1.87 cfs/AC)  
Q= 21.3 cfs

PROPOSED RESIDENTIAL SUBDIVISION: 15% B, 25% C, 60% D  
Q= (7.50 ACRES)(4.26 cfs/AC)= 31.9 cfs

SCHOOL TRACT (UNDEVELOPED):  
Q= (3.90 ACRES)(1.87 cfs/AC)= 7.3 cfs

RESIDENTIAL SUBDIVISION DISCHARGE DATA

| BASIN | AREA (ACRES) | Q (cfs) |
|-------|--------------|---------|
| A     | 4.00         | 17.0    |
| B     | 3.50         | 14.9    |
| TOTAL | 7.27         | 31.9    |

SUB-BASIN A WILL DRAIN TO PROPOSED INTERIOR SUMP CATCH BASINS. THE NEW CATCH BASINS WILL BE CONNECTED WITH A NEW 24" STORM DRAIN TO THE EXISTING 48" STORM DRAIN RUNNING ALONG THE EAST SIDE OF EUBANK BLVD SE.

SUB-BASIN B WILL DRAIN VIA STREET FLOW SOUTH TO INNOVATION PARKWAY WHERE AN EXISTING INLET WILL ACCEPT THE FLOW.

**ISAACSON & ARFMAN, P.A.**  
Consulting Engineering Associates  
128 Monroe Street N.E.  
Albuquerque, New Mexico 87108  
Ph. 505-268-8828 Fax. 505-268-2632  
1511GRD.DWGdip 08.08.06

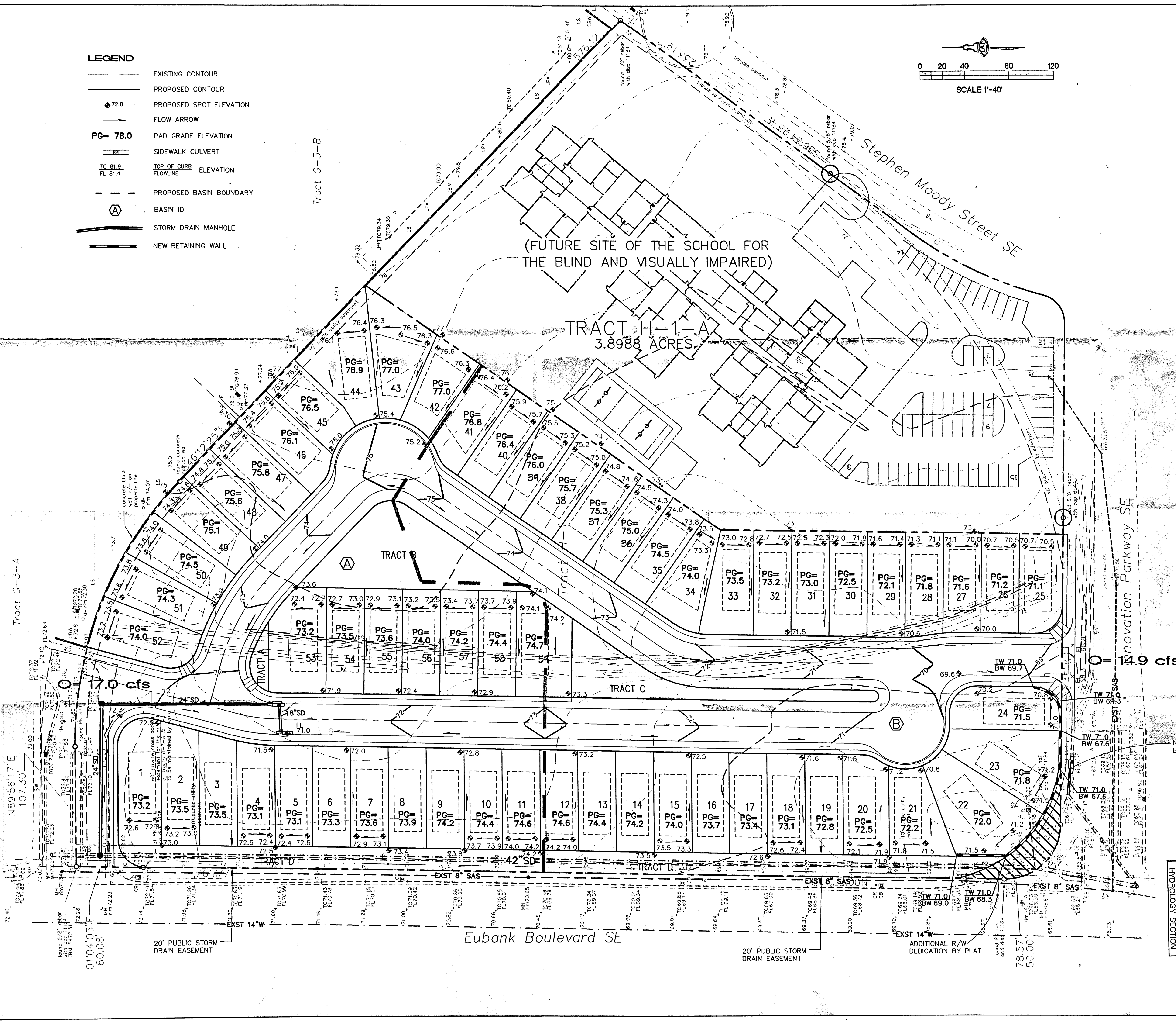
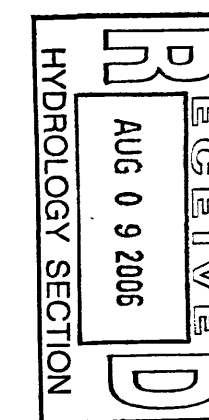
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**MANZANO MESA  
SUBDIVISION**

GSL PROPERTIES

**CONCEPTUAL  
GRADING AND DRAINAGE PLAN**

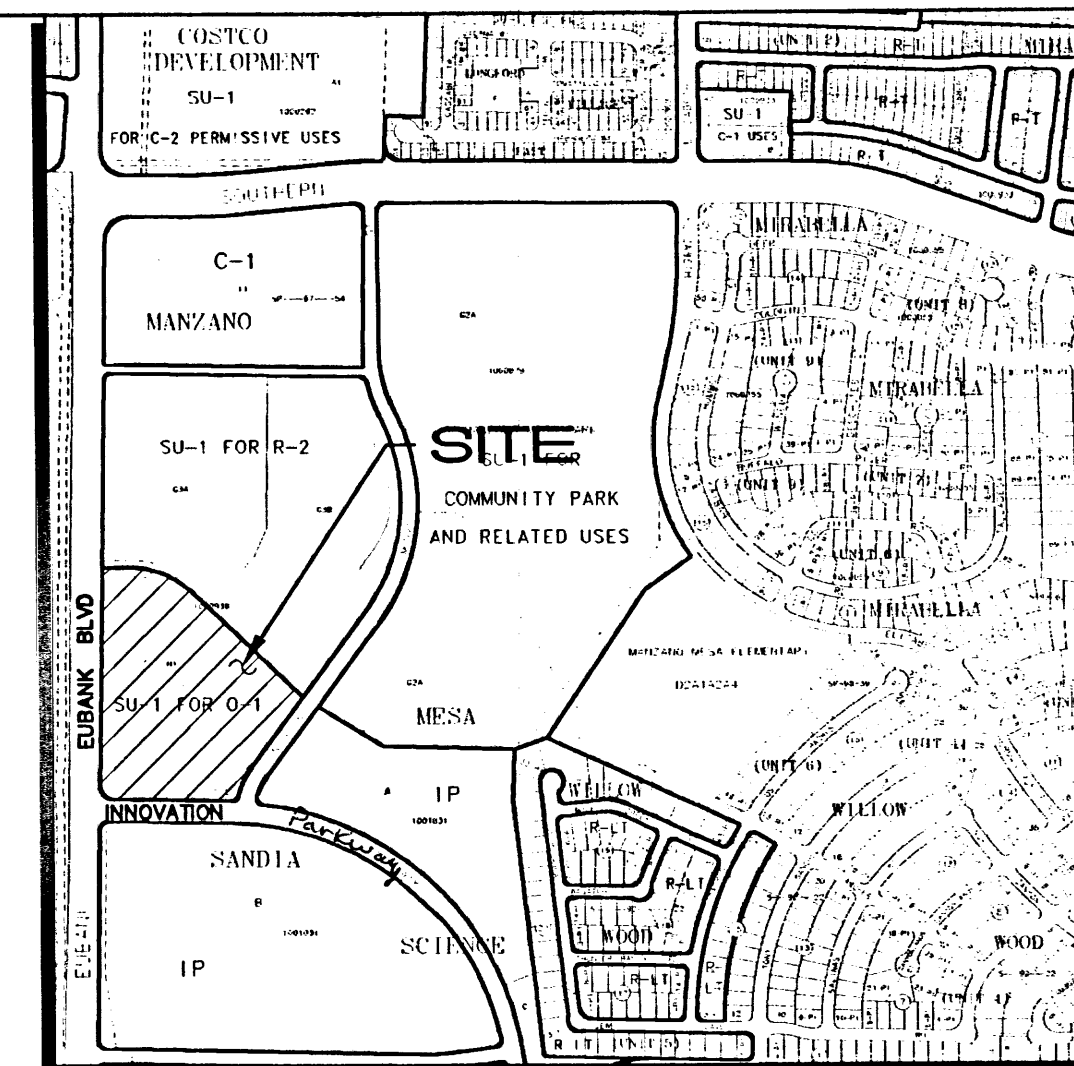
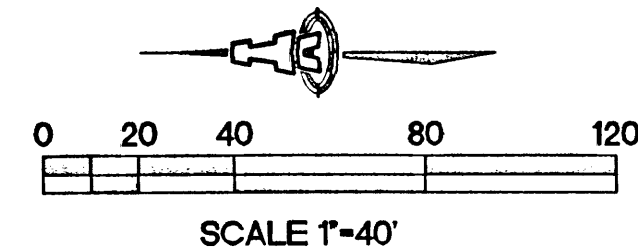
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| Date:     | 05/30/06 | No. Revisions: | 0 | Date: |  | Job No.: | 1511          |
| Drawn By: | thor     |                |   |       |  |          | <b>PAGE</b>   |
| Chk By:   | SMM      |                |   |       |  |          | <b>SH. OF</b> |





# LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- FLOW ARROW
- PAD GRADE ELEVATION
- SIDEWALK CULVERT
- TOP OF CURB ELEVATION
- TOP OF FLOWLINE ELEVATION
- PROPOSED BASIN BOUNDARY
- BASIN ID
- STORM DRAIN MANHOLE



L-21-Z 1"=750'±

LEGAL DESCRIPTION: TRACT H-1 MANZANO MESA

LAND AREA: 11.40 ACRES  
(CURRENTLY UNDEVELOPED)

TRACT H-1-A: 3.90 ACRES  
(FUTURE SCHOOL SITE)

RESIDENTIAL SUBDIVISION: 7.50

HYDROLOGY: ZONE 3 100% A

EXISTING: Q=(11.40 ACRES)(1.87 cfs/AC)  
Q= 21.3 cfs

PROPOSED RESIDENTIAL SUBDIVISION: 15% B, 25% C, 60% D  
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Q= (3.90 ACRES)(1.87 cfs/AC)= 7.3 cfs

## RESIDENTIAL SUBDIVISION DISCHARGE DATA

| BASIN | AREA (ACRES) | Q (cfs) |
|-------|--------------|---------|
| A     | 4.00         | 17.0    |
| B     | 3.50         | 14.9    |
| TOTAL | 7.27         | 31.9    |

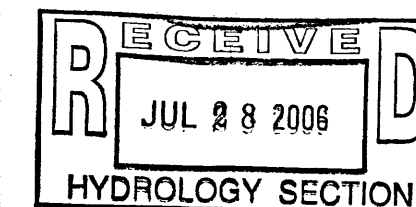
SUB-BASIN A WILL DRAIN TO PROPOSED INTERIOR SUMP CATCH BASINS. THE NEW CATCH BASINS WILL BE CONNECTED WITH A NEW 24" STORM DRAIN TO THE EXISTING 48" STORM DRAIN RUNNING ALONG THE EAST SIDE OF EUBANK BLVD SE.

SUB-BASIN B WILL DRAIN VIA STREET FLOW SOUTH TO INNOVATION PARKWAY WHERE AN EXISTING INLET WILL ACCEPT THE FLOW.

ANY OFF-SITE FLOWS?

WHAT IS IN THE 48"?

FLOW

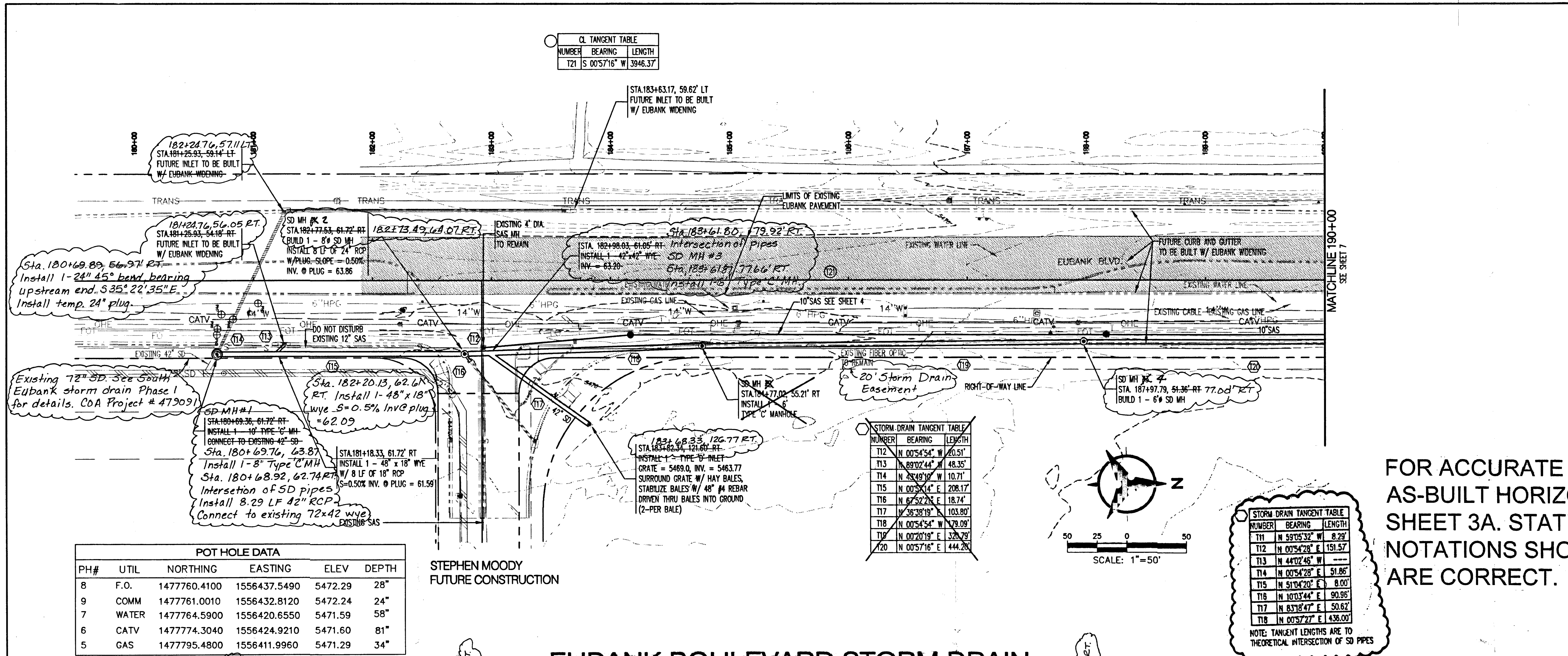


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128 Monroe Street N.E.  
Albuquerque, New Mexico 87108  
Ph: 505-268-8828 Fax: 505-268-2632  
1511GRD.DWGdlp 07.28.06

## MANZANO MESA SUBDIVISION GSL PROPERTIES CONCEPTUAL GRADING AND DRAINAGE PLAN

|                |              |      |              |
|----------------|--------------|------|--------------|
| Date: 05/30/06 | No. Revision | Date | Job No. 1511 |
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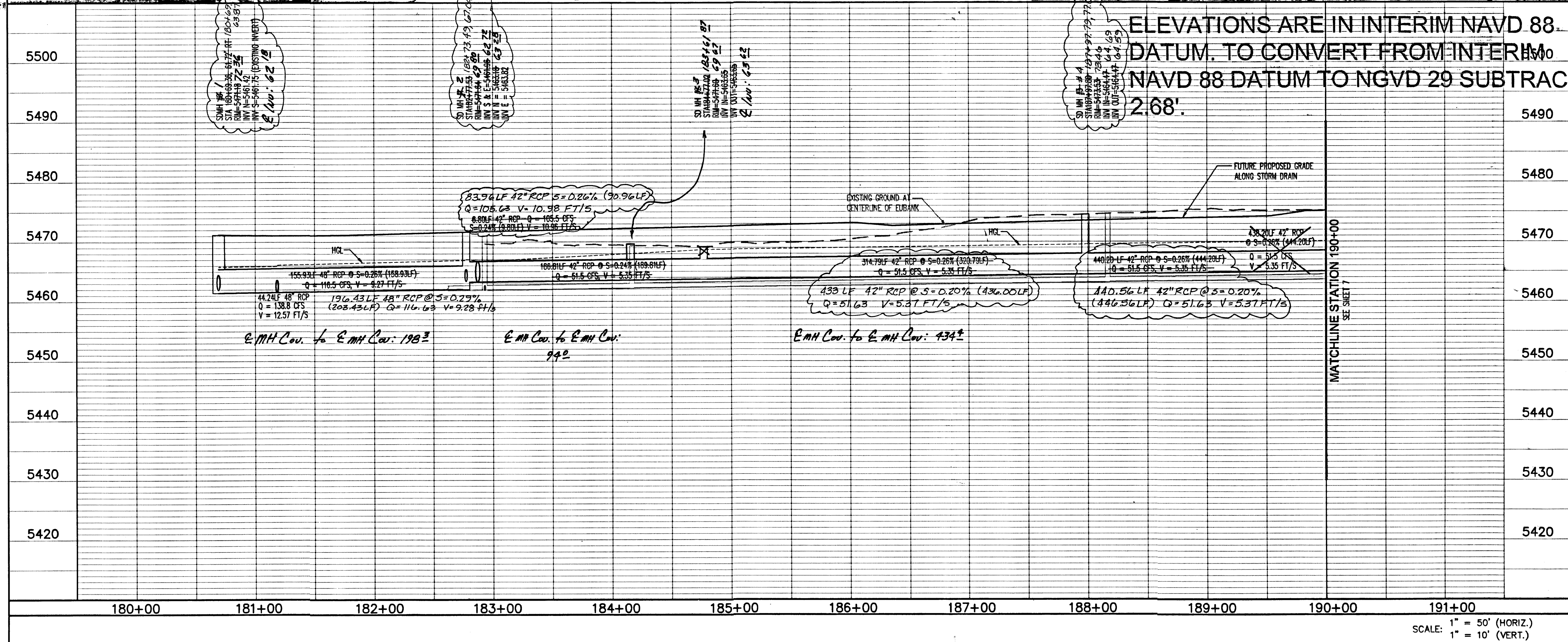




| POT HOLE DATA |       |              |              |         |       |
|---------------|-------|--------------|--------------|---------|-------|
| PH#           | UTIL  | NORTHING     | EASTING      | ELEV    | DEPTH |
| 8             | F.O.  | 1477760.4100 | 1556437.5490 | 5472.29 | 28"   |
| 9             | COMM  | 1477761.0010 | 1556432.8120 | 5472.24 | 24"   |
| 7             | WATER | 1477764.5900 | 1556420.6550 | 5471.59 | 58"   |
| 6             | CATV  | 1477774.3040 | 1556424.9210 | 5471.60 | 81"   |
| 5             | GAS   | 1477795.4800 | 1556411.9960 | 5471.29 | 34"   |

STEPHEN MOODY  
FUTURE CONSTRUCTION

### EUBANK BOULEVARD STORM DRAIN



ELEVATIONS ARE IN INTERIM NAVD 88 DATUM. TO CONVERT FROM INTERIM NAVD 88 DATUM TO NGVD 29 SUBTRACT 2.68'.

**NOTES**

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- CONTRACTOR IS TO INSTALL A 4" x 4" x 5' POST AND END AT THE "M" OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.

**FOR ACCURATE GRAPHIC DEPICTION OF AS-BUILT HORIZONTAL LOCATION, SEE SHEET 3A. STATION AND OFFSET NOTATIONS SHOWN ON THIS SHEET ARE CORRECT.**

| AS-BUILT INFORMATION |       | BENCH MARKS       |       | SURVEY INFORMATION |    | FIELD NOTES |    | ENGINEER'S SEAL |      |
|----------------------|-------|-------------------|-------|--------------------|----|-------------|----|-----------------|------|
| CONTRACTOR           | DATE  | CONTRACTOR        | DATE  | NO.                | BY | NO.         | BY | SEAL            | DATE |
| BOHANNAN & HUSTON    | 03/03 | BOHANNAN & HUSTON | 03/03 |                    |    |             |    |                 |      |
| INSPECTOR            | DATE  | INSPECTOR         | DATE  |                    |    |             |    |                 |      |
| WALKER               | 03/03 | WALKER            | 03/03 |                    |    |             |    |                 |      |
| RECORDED BY          | DATE  | RECORDED BY       | DATE  |                    |    |             |    |                 |      |
| WALKER               | 03/03 | WALKER            | 03/03 |                    |    |             |    |                 |      |
| DATE                 |       | DATE              |       |                    |    |             |    |                 |      |
| 03/03                |       | 03/03             |       |                    |    |             |    |                 |      |

**CITY OF ALBUQUERQUE**  
**PUBLIC WORKS DEPARTMENT**  
**MANZANO MESA APARTMENTS-PHASE 1**  
**PUBLIC INFRASTRUCTURE**  
**EUBANK BLVD STORM DRAIN STA. 180 - 190 PLAN AND PROFILE**

|                         |               |
|-------------------------|---------------|
| APPROVED                | APPROVED      |
| MAR 11 2002             | APR 25 2002   |
| DESIGN REVIEW COMMITTEE | CITY ENGINEER |

|                  |              |       |    |
|------------------|--------------|-------|----|
| City Project No. | Zone Map No. | Sheet | Of |
| 668181           | L-21-N       | 6     | 13 |