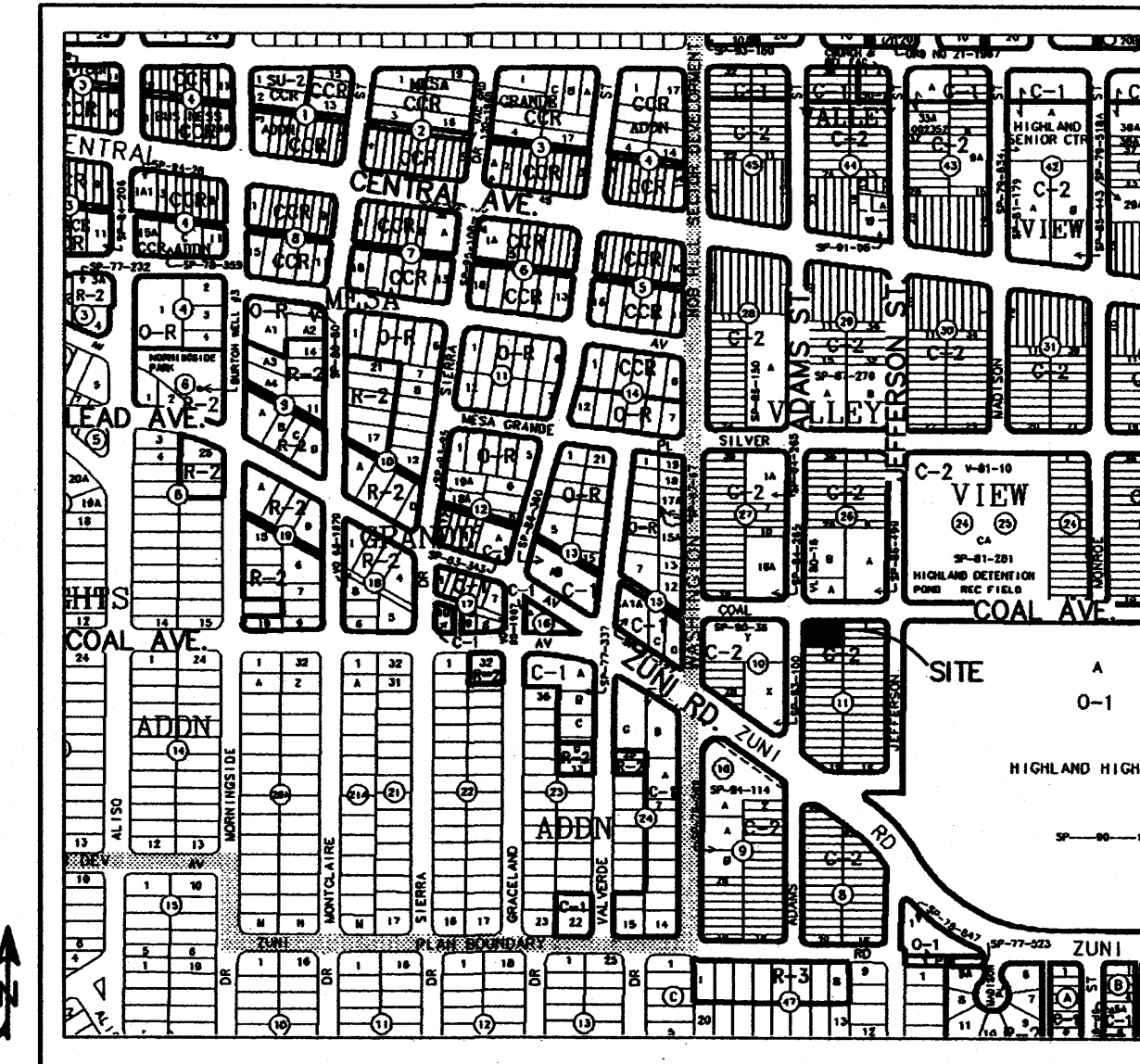


# DRAINAGE CERTIFICATION

I, DAVID B. THOMPSON, NMPE 9677, OF THE FIRM THOMPSON ENGINEERING CONSULTANTS, INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 09-23-08. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY MICHAEL T. SHOOK, NMPS 13240, OF THE FIRM AM SURVEYING COMPANY. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 04-23-09 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

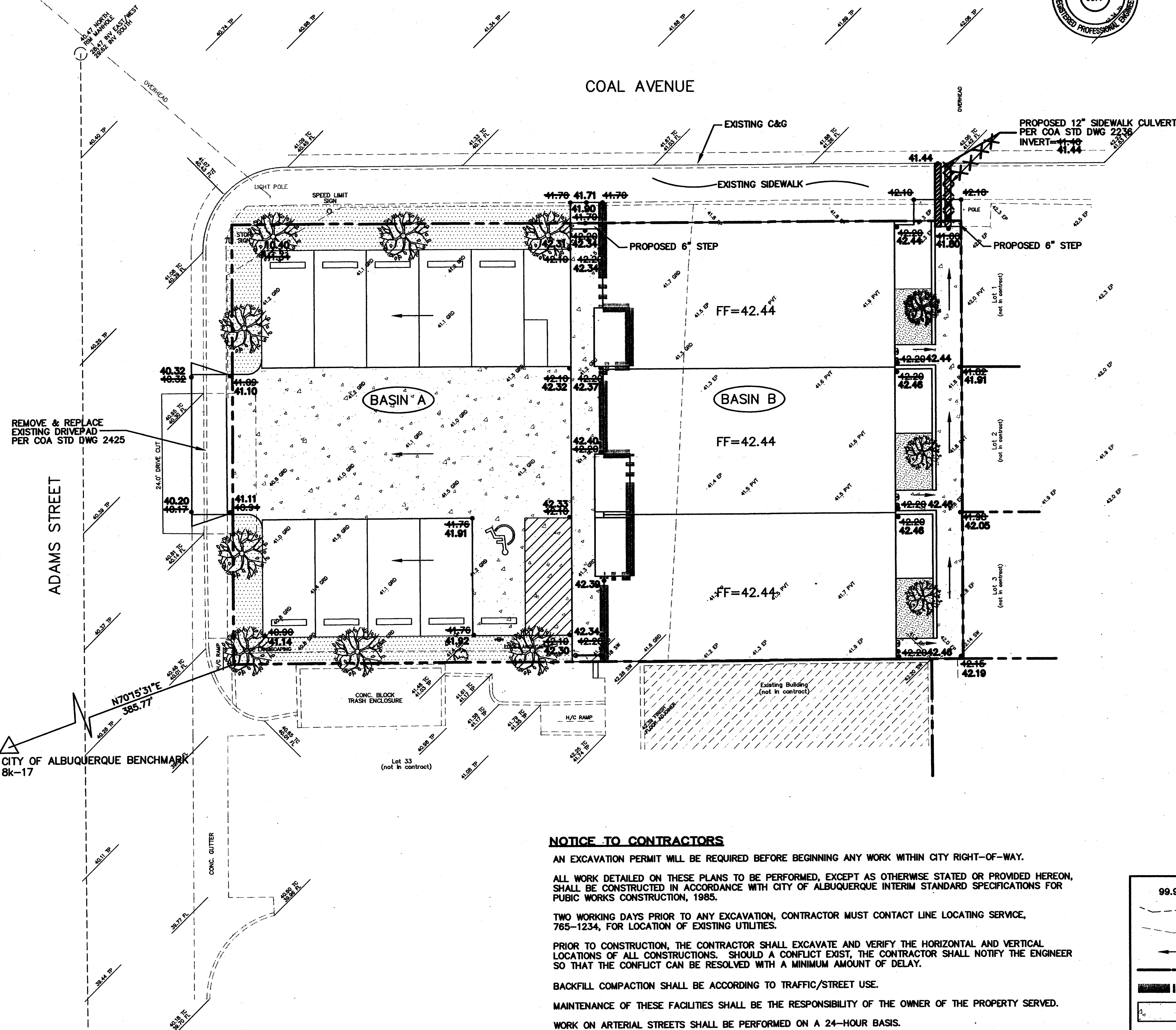
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

*David B. Thompson*  
DAVID B. THOMPSON NMPE 9677  
4-29-09  
DATE



ZONE ATLAS MAP: K-17-Z

COAL AVENUE



## DRAINAGE PLAN:

LEGAL DESCRIPTION: LOTS 34, 35, & 36, BLOCK 11, VALLEY VIEW ADDITION

SITE AREA: 0.2152 ACRE

FLOOD HAZARD STATEMENT: F.E.M.A. FLOODWAY BOUNDARY AND FLOODWAY MAP DATED NOVEMBER 19, 2003 (PAGE NO. 35001C0353 E) INDICATES A FLOOD HAZARD ZONE X WHICH IS AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN.

LOCATION AND DESCRIPTION

EXISTING DRAINAGE CONDITIONS:

THE DRAINAGE ANALYSIS FOR THIS SITE IS IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL SECTION 22.2, HYDROLOGY. THE PROPERTY IS LOCATED IN ZONE 2. THE 100-YEAR, 6-HOUR STORM IS 2.35 INCHES.

THE SITE CURRENTLY DRAINS FROM EAST TO WEST TO ADAMS STREET. THERE ARE NO OFFSITE FLOWS ON THE SITE.

DEVELOPED DRAINAGE CONDITIONS:

THE PROPERTY HAS BEEN DIVIDED INTO TWO DRAINAGE BASINS. BASIN A, WHICH INCLUDES THE FRONT PARKING AREA AND LANDSCAPING, WILL SHEET DRAIN TO ADAMS STREET. A TOTAL OF 0.42 CFS WILL DRAIN TO ADAMS STREET. BASIN B, WHICH INCLUDES THE BUILDING AND THE BACK PATIOS AND SIDEWALK, WILL DRAIN FROM WEST TO EAST AND THEN NORTH TO COAL AVENUE THROUGH A 12" SIDEWALK CULVERT. A TOTAL OF 0.47 CFS WILL DRAIN TO COAL AVENUE.

| 100-YEAR HYDROLOGIC CALCULATIONS                                                                                                                                |             |                |       |       |       |                      |                                 |                  |                    |                  |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|-------|-------|-------|----------------------|---------------------------------|------------------|--------------------|------------------|---------|
|                                                                                                                                                                 |             | LAND TREATMENT |       |       |       | WEIGHTED             | 100-YEAR PRECIPITATION          |                  |                    |                  |         |
| BASIN #                                                                                                                                                         | AREA (acre) | A (%)          | B (%) | C (%) | D (%) | E (lin)              | V (6-hr) (acre-ft)              | V (6-hr) (cu-ft) | V(24-hr) (acre-ft) | V(24-hr) (cu-ft) | Q (cfs) |
| EXISTING CONDITIONS                                                                                                                                             |             |                |       |       |       |                      |                                 |                  |                    |                  |         |
| BASIN A                                                                                                                                                         | 0.1120      | 100.00         | 0.00  | 0.00  | 0.00  | 0.53                 | 0.00                            | 215              | 0.00               | 215              | 0.17    |
| BASIN B                                                                                                                                                         | 0.1032      | 100.00         | 0.00  | 0.00  | 0.00  | 0.53                 | 0.00                            | 199              | 0.00               | 199              | 0.16    |
| TOTAL RUNOFF                                                                                                                                                    | 0.22        |                |       |       |       |                      | 0.01                            | 414              | 0.01               | 414              | 0.34    |
| PROPOSED CONDITIONS                                                                                                                                             |             |                |       |       |       |                      |                                 |                  |                    |                  |         |
| BASIN A                                                                                                                                                         | 0.1120      | 0.00           | 15.20 | 36.10 | 48.70 | 1.56                 | 0.01                            | 634              | 0.02               | 713              | 0.42    |
| BASIN B                                                                                                                                                         | 0.1032      | 0.00           | 5.40  | 0.00  | 94.60 | 2.05                 | 0.02                            | 767              | 0.02               | 909              | 0.47    |
| TOTAL RUNOFF                                                                                                                                                    | 0.22        |                |       |       |       |                      | 0.03                            | 1,401            | 0.04               | 1,622            | 0.89    |
| EXCESS PRECIP.                                                                                                                                                  |             | 0.53           | 0.78  | 1.13  | 2.12  | E <sub>i</sub> (in)  |                                 |                  |                    |                  |         |
| PEAK DISCHARGE                                                                                                                                                  |             | 1.56           | 2.28  | 3.14  | 4.7   | Q <sub>m</sub> (cfs) |                                 |                  |                    |                  |         |
| WEIGHTED E (in) = (E <sub>a</sub> )(%A) + (E <sub>b</sub> )(%B) + (E <sub>c</sub> )(%C) + (E <sub>d</sub> )(%D)                                                 |             |                |       |       |       |                      | ZONE = 2                        |                  |                    |                  |         |
| V <sub>6-hr</sub> (acre-ft) = (WEIGHTED E)(AREA)/12                                                                                                             |             |                |       |       |       |                      | P <sub>6-hr</sub> (in.) = 2.35  |                  |                    |                  |         |
| V <sub>24-hr</sub> (acre-ft) = V <sub>6-hr</sub> + (A <sub>d</sub> )(P <sub>24-hr</sub> - P <sub>6-hr</sub> )/12                                                |             |                |       |       |       |                      | P <sub>24-hr</sub> (in.) = 2.75 |                  |                    |                  |         |
| Q (cfs) = (Q <sub>pa</sub> )(A <sub>a</sub> ) + (Q <sub>pb</sub> )(A <sub>b</sub> ) + (Q <sub>pc</sub> )(A <sub>c</sub> ) + (Q <sub>pd</sub> )(A <sub>d</sub> ) |             |                |       |       |       |                      | P <sub>24-hr</sub> (in.) = 3.95 |                  |                    |                  |         |

## NOTICE TO CONTRACTORS

AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.

TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

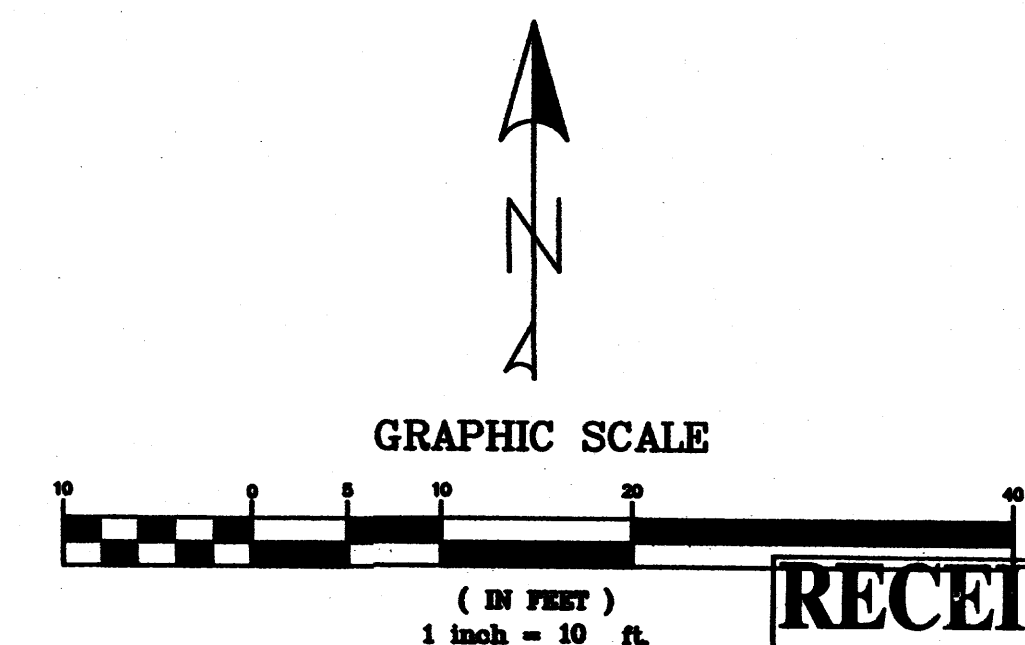
BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.

MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

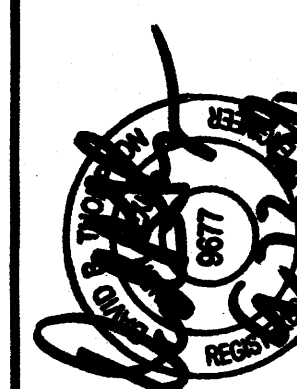
| APPROVAL  | NAME: | DATE: |
|-----------|-------|-------|
| INSPECTOR |       |       |

| LEGEND |                       |
|--------|-----------------------|
|        | SPOT ELEVATIONS       |
|        | EXIST. MAJOR CONTOURS |
|        | EXIST. MINOR CONTOURS |
|        | FLOW DIRECTION        |
|        | BOUNDARY              |
|        | PROPOSED BASIN        |
|        | PROPOSED CONCRETE     |
|        | PROPOSED LANDSCAPE    |



RECEIVED  
APR 29 2009

C1  
Total Sheets



Scale: 1"=10'-0"

Drawing No.

HYDROLOGY  
SECTION

RETAIL/OFFICE BUILDING  
308, 310 & 312 ADAMS STREET  
Lots 34, 35 & 36  
ALBUQUERQUE, NEW MEXICO

Grading & Drainage Plan

Devin Canaday Architect Studio  
332 Adams Street SE  
Albuquerque, NM 87123

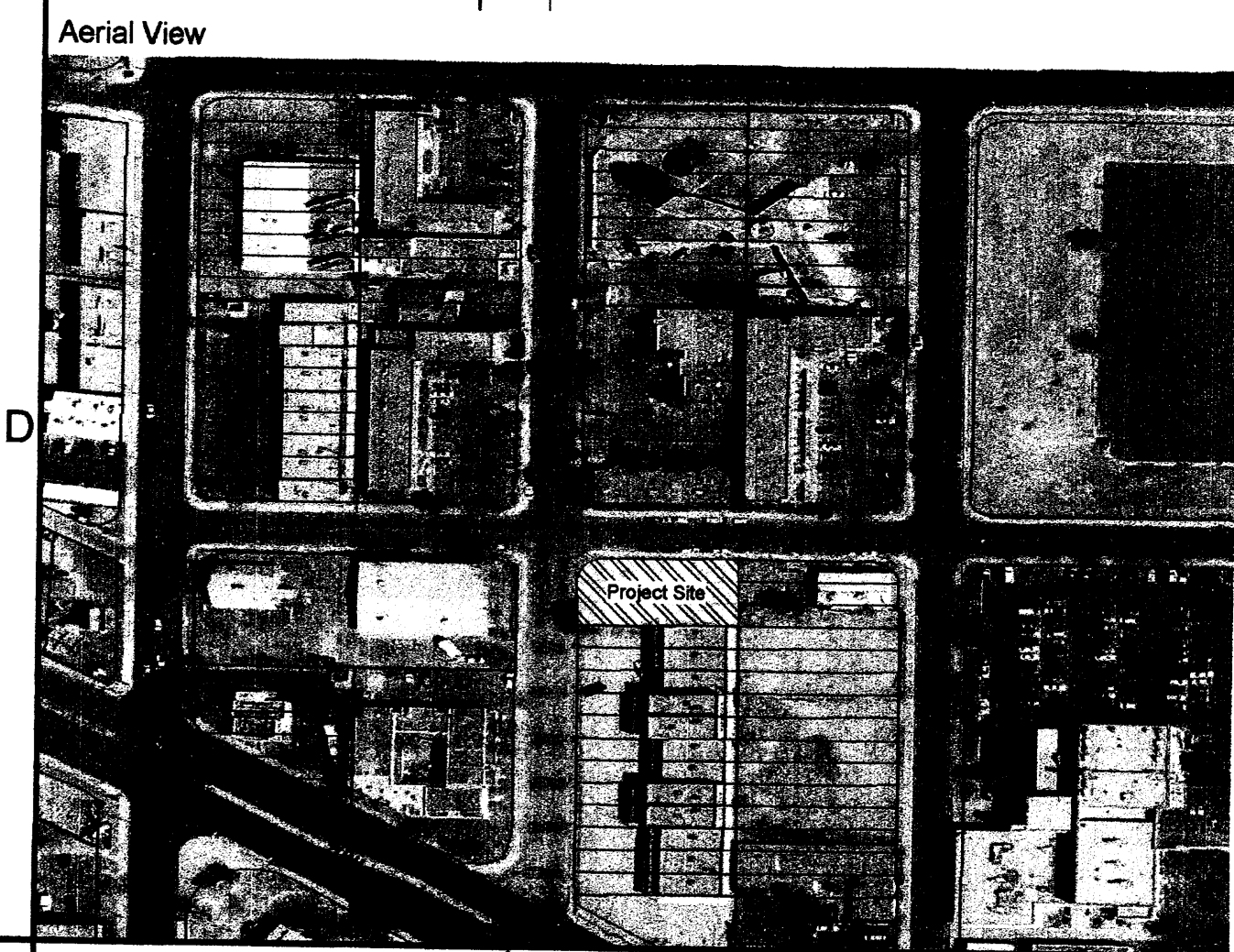
Thompson Engineering Consultants, Inc.  
332 Adams Street SE  
Albuquerque, NM 87123

6-20-08  
Revision  
D.E.M.  
Project  
Retail/Office  
Drawing  
Bobo

No. Date Issue Notes

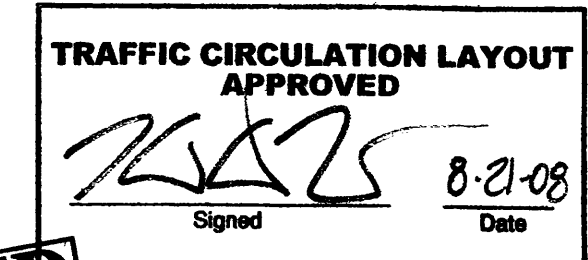
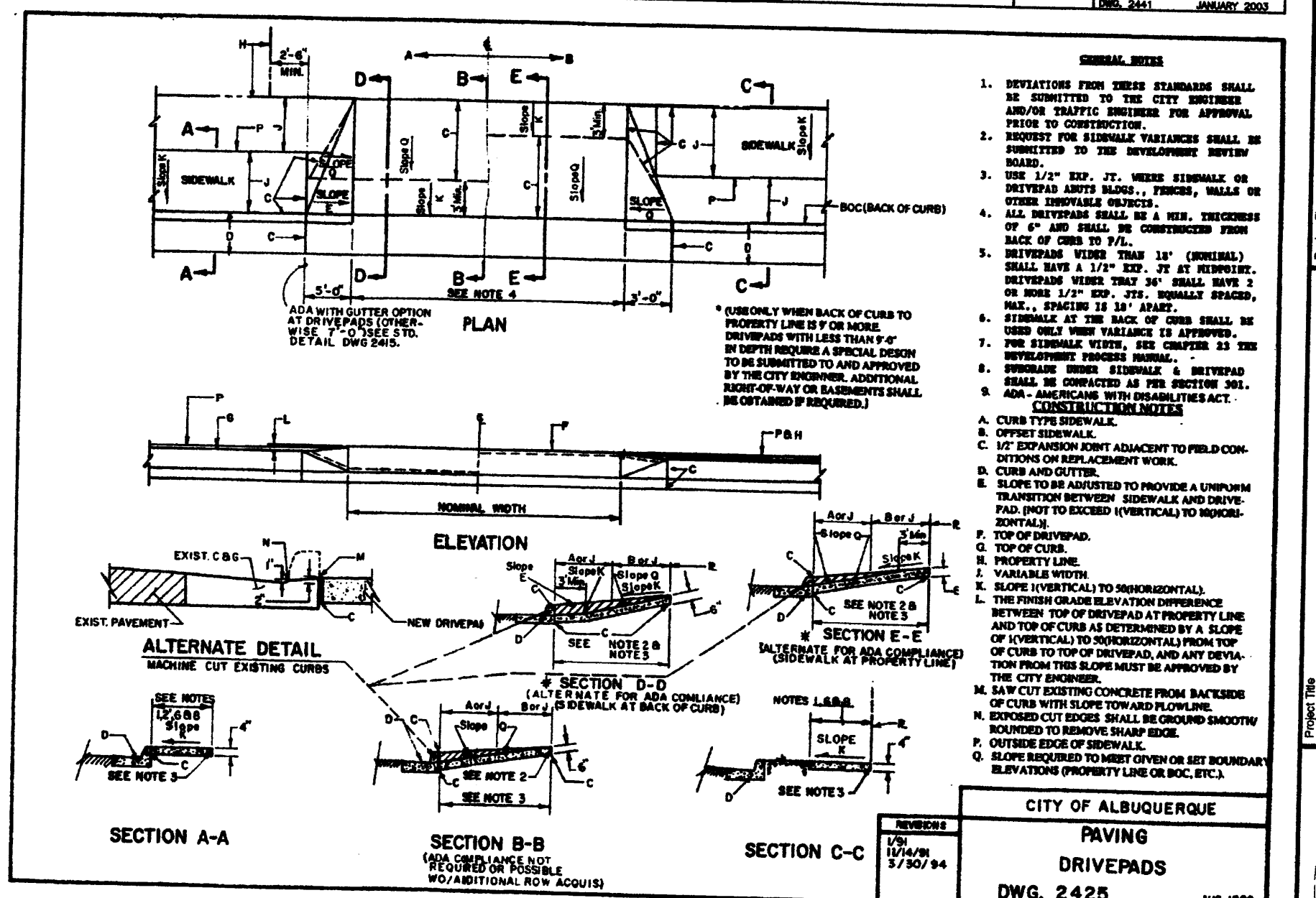
No. Date Revision Notes





Site Plan Keyed Notes:

- [01] Relocate Existing Concrete Driveway to Center of Property - Coordinate Driveway Installation per City of Albuquerque Standard Drawing #2425.
- [02] Accessible Parking Sign typ. at Handicap Parking Spaces.
- [03] Pre-Cast Concrete Wheel Stop, Provide per City Standards.
- [04] Bike Rack
- [05] New Concrete Sidewalk, Coordinate In-situ & Specifications per Applicable City Standards.
- [06] Concrete Drive Surface for Automobile Traffic, Coordinate Control Joint w/ Architect.
- [07] Crushed Rock Parking Surface - Provide 3/8" min. to 1" max. Diameter at a minimum Depth of 2".
- [08] Accessible Parking Space - Concrete Driveway to be Continuous at Accessible Parking Space and Side Isle.
- [09] Accessible Isle - Cross Hatching Marked w/ Alkyd Striping, typ.
- [10] Parking Space - Line for Graphic Purposes Only to Denote Space Requirements.
- [11] 6" Concrete Planter Curb for Landscape Separation.
- [12] Existing Public Sidewalk to Remain - Remove and Replace Existing Concrete Sidewalk Areas that are Currently in Disrepair, Coordinate Install; Specifications per Applicable City Standards.
- [13] Wheelchair Curb Access Ramp - Concrete Ramp Installation per City of Albuquerque Standard Drawing #2461.
- [14] Crushed Rock Planter - Coordinate Specifications w/ Landscape Plan.
- [15] Dumpster Enclosure w/ Roll-out Refuse Container, Coordinate Details & Specifications on Site Plan Details Sheet.



Public Infrastructure shown on these plans for information only and not part of approval. Separate DRC/Permit approval and Work Order required.

**ALL WHEELCHAIR RAMPS LOCATED WITHIN THE PUBLIC RIGHT OF WAY MUST HAVE TRUNCATED DOMES**

[illegible]