

#### #KEYED NOTES

- 1 EXISTING ASPHALT SURFACE
- 2 EXISTING FENCE
- 3 PROPOSED CONCRETE (8.5' WIDE)
- 4 EXISTING GRAVEL SURFACE TO REMAIN
- 5 EXISTING CONCRETE TO BE REMOVED
- 6 PROPOSED RETENTION POND  
VOL=375 CF (VOL REQ'D=349 CF)

#### GENERAL NOTES

- A) CONTRACTOR SHALL PROMPTLY NOTIFY ENGINEER (AT 505-239-7973) OF ANY CONFLICTS OR DISCREPANCIES DISCOVERED IN THE FIELD.
- B) THE IMPROVEMENTS AS SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 1987 EDITION, AS PREPARED BY THE NEW MEXICO CHAPTER, AMERICAN PUBLIC WORKS ASSOCIATION.
- C) BOUNDARY SHOWN HEREON IS FOR REFERENCE ONLY. BEARINGS AND DISTANCES SHOWN HEREON ARE FOR REFERENCE ONLY. SAID BOUNDARY LINE, BEARINGS AND DISTANCES SUBJECT TO A BOUNDARY SURVEY MAY VARY FROM THIS MAP.

#### GRADING AND DISCLAIMER/NOTES

THE CONSTRAINTS GIVEN ON EXISTING (PRE-DEVELOPMENT/POST DEVELOPMENT) GRADES, BUILDING FOOTPRINTS, HOME BUYER AND BUILDER PREFERENCES IMPACTS THIS SITE PLAN TO THE EXTENT THAT THE ENGINEER CERTIFYING HEREON DISCLAIMS LIABILITY FOR THE FOLLOWING:

- A) DRIVEWAY GRADIENTS IN EXCESS OF 14%.
- B) SLOPES GREATER THAN 3:1.
- C) EROSION CONTROL FOR NON-VEGETATED OR STABILIZED SLOPES.
- D) STORM RUNOFF OR EROSION RESULTING FROM IMPROVEMENTS NOT SHOWN ON THESE PLANS.

#### CONSTRUCTION NOTES

THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.

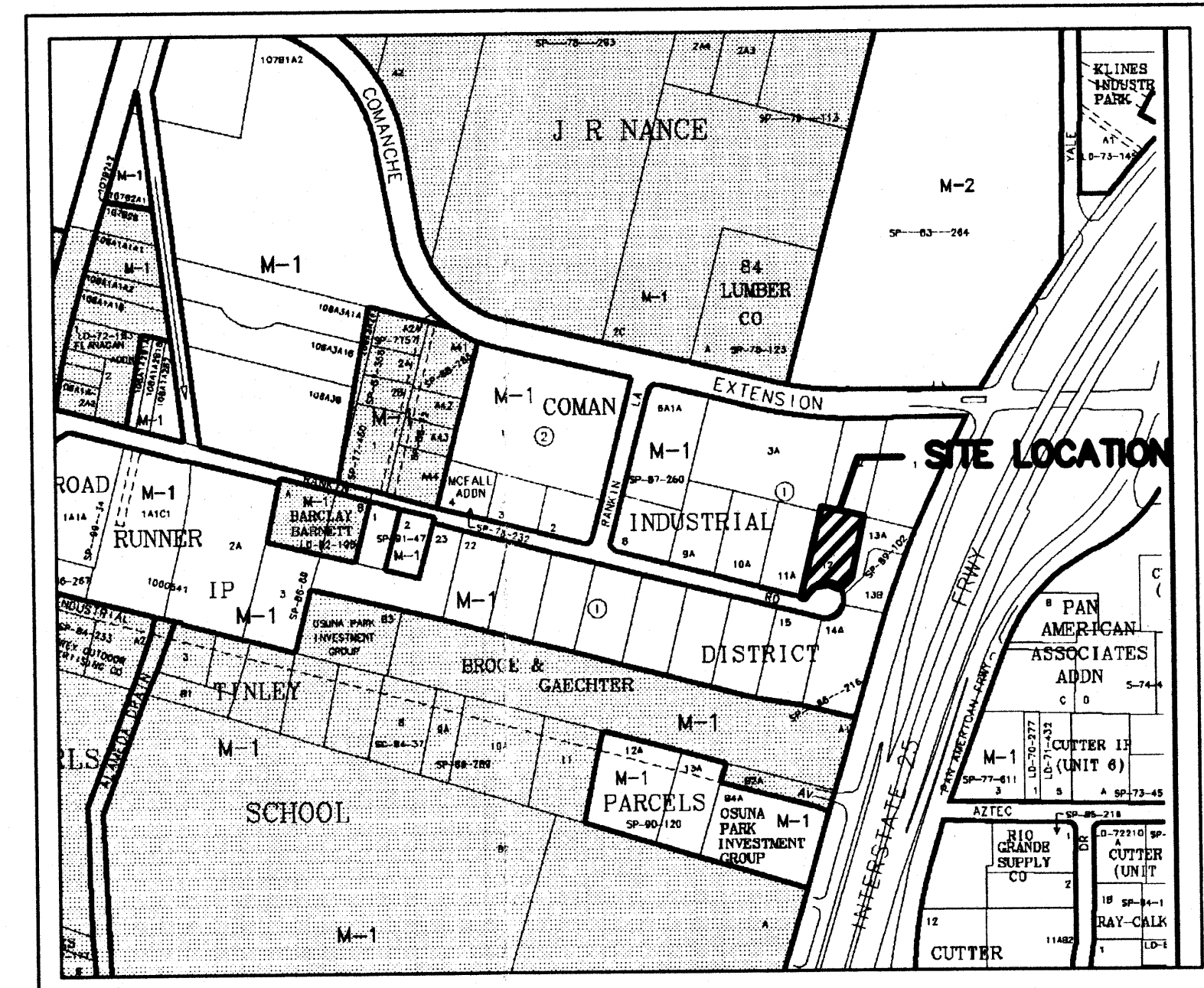
THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.

THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES SHOWN OR NOT SHOWN CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.

DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, UNSUITABLE MATERIAL AND ITEMS DESIGNATED FOR REMOVAL WITHOUT SALVAGE SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE. BURIAL OF DEBRIS SHALL NOT BE ALLOWED WITHIN PROJECT LIMITS.

OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.



VICINITY MAP

G-15

#### SURVEY INFORMATION

TOPOGRAPHIC SURVEY PERFORMED AND COMPILED BY TERRA LAND SURVEYS, LLC. CORRALES, NEW MEXICO OCTOBER 2004.

#### PROJECT BENCHMARK

ACS STATION "I-25-20" LOCATED 0.49 MILES SOUTHWEST OF THE INTERSECTION OF MONTANO RD NE AND I-25 WEST FRONTAGE ROAD ON THE WEST SIDE OF THE FRONTAGE ROAD. ELEVATION = 5079.46' NVGD 29 VERTICAL DATUM.

#### TEMPORARY BENCHMARK (TBM)

TERRA CONTROL POINT CP-100 PK NAIL WITH SHINER SET IN THE SOUTHWEST CORNER OF THE PARKING LOT. ELEVATION = 5039.36' NVGD 29 VERTICAL DATUM.

#### NOTES

1. THIS IS NOT A BOUNDARY SURVEY, APPARENT PROPERTY MONUMENTS ARE SHOWN FOR ORIENTATION ONLY.
2. FIELD SURVEY PERFORMED IN OCTOBER 2004.
3. TOPOGRAPHIC SURVEY WAS COMPILED UTILIZING GROUND COORDINATES REFERENCED TO THE NAD 27 NEW MEXICO CENTRAL ZONE COORDINATE SYSTEM.

#### LEGAL DESCRIPTION

LOT 12, BLOCK 1 OF COMAN INDUSTRIAL DISTRICT.

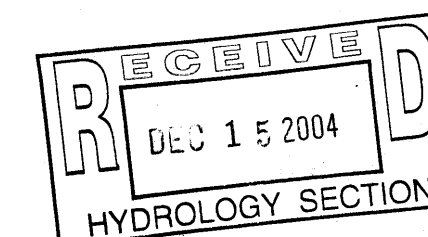
#### FLOODZONE

THIS PROPERTY LIES OUTSIDE A FEMA (FEDERAL EMERGENCY MANAGEMENT AGENCY) DESIGNATED FLOOD HAZARD AREA. MAP NO. 35001C0332E, REVISED NOVEMBER 19, 2003

I, RALPH M. MONTIYA, HEREBY CERTIFY THAT I PERSONALLY INSPECTED THE SITE SHOWN ON THESE PLANS ON 11/10/04, AND AS OF THAT DATE IT APPEARED THAT NOT FILLING, GRADING, OR EXCAVATION HAD OCCURRED THEREON SINCE COMPLETION OF THE TOPOGRAPHIC SURVEY TO PREPARE THIS PLAN.

RALPH M. MONTIYA, NM PE NO. 15306

12/15/04  
DATE



EMBERCORP  
CONSULTING ENGINEERS  
10428 Crosscut Drive NW  
Albuquerque, New Mexico 87114  
(505) 239-7973

DESIGNED BY: RMM  
DRAWN BY: RMM  
APPROVED BY: RMM  
DATE: 11-04-04

Neumark Irrigation Supplies - Bldg. Addition  
Albuquerque, New Mexico

GRADING AND DRAINAGE PLAN

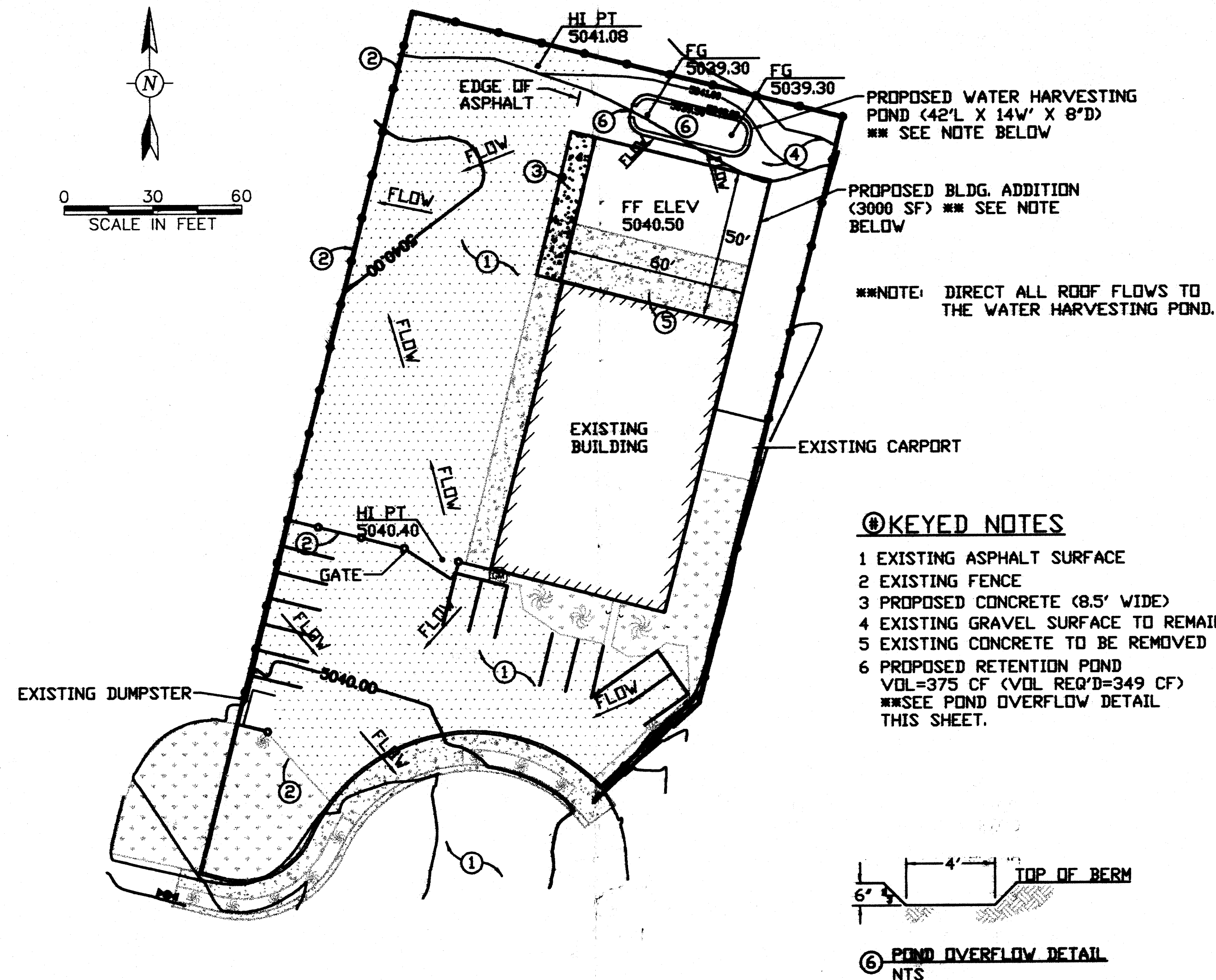
PROJECT NUMBER:

04-001

DRAWING NO.:

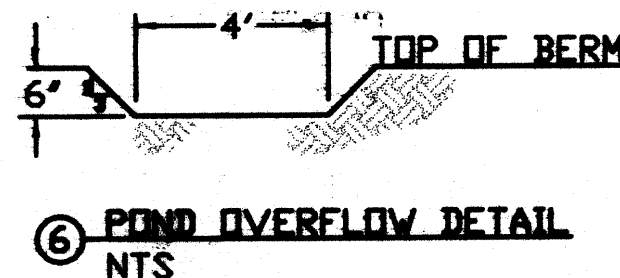
C-2





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\*\*\*SEE POND OVERFLOW DETAIL THIS SHEET.



### HYDROLOGY

THE ONSITE HYDROLOGIC ANALYSIS WAS COMPLETED USING THE METHODOLOGY OUTLINED IN SECTION 22.2 OF THE CITY OF ALBUQUERQUE DPM. THE TABLES BELOW SUMMARIZE THE FINDINGS:

#### EXISTING CONDITION

DESIGN STORM: 100-YR, 6-HR  
ZONE 2 - BETWEEN THE RIO GRANDE AND SAN MATEO LAND TREATMENTS (ac): A(0), B(0.03), C(0.13), D(0.70)  
PEAK DISCHARGE (cfs/ac): A(1.56), B(2.28), C(3.14), D(4.70)  
E (in): A(0.53), B(0.78), C(1.13), D(2.12)  
TC (MIN): 12

Q PEAK (cfs) = 3.77  
V PEAK (ac-ft) = 0.137

#### POST-CONSTRUCTION CONDITION

DESIGN STORM: 100-YR, 6-HR  
ZONE 2 - BETWEEN THE RIO GRANDE AND SAN MATEO LAND TREATMENTS (ac): A(0), B(0.03), C(0.09), D(0.74)  
PEAK DISCHARGE (cfs/ac): A(1.56), B(2.28), C(3.14), D(4.70)  
E (in): A(0.53), B(0.78), C(1.13), D(2.12)  
TC (MIN): 12

Q PEAK (cfs) = 3.83  
V PEAK (ac-ft) = 0.141

### SUMMARY

THE INCREASE IN PEAK DISCHARGE AND PEAK VOLUME DUE TO CONSTRUCTION IS 0.06 cfs AND 0.004 ac-ft RESPECTIVELY. THIS INCREASE WILL BE MITIGATED BY THE USE OF A RETENTION POND AS SHOWN HEREIN.

THE ANALYSIS INDICATES THAT THE PROPOSED IMPROVEMENTS ARE ADEQUATE TO HANDLE THE PEAK DISCHARGE AND PEAK VOLUME GENERATED BY THE POST-CONSTRUCTION CONDITION.

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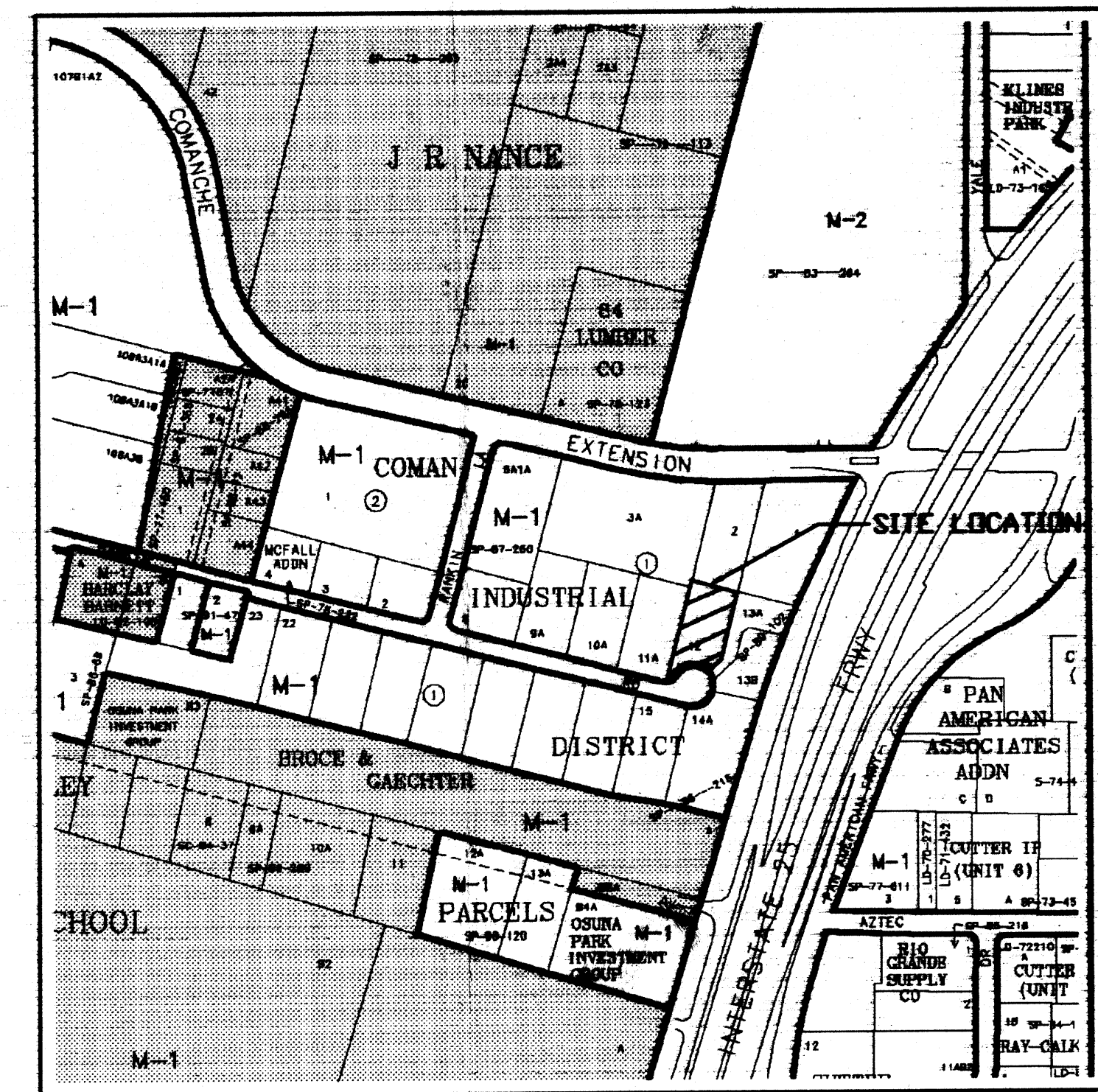
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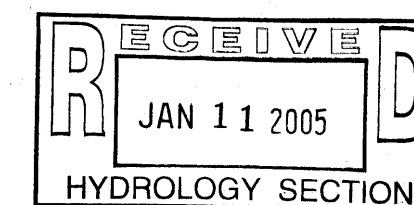
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RALPH M. MONTODA, NM PE NO. 15306

DATE

|   |                  |                |
|---|------------------|----------------|
| EMBERCORP<br>CONSULTING ENGINEERS<br>10428 Grasscut Drive NW<br>Albuquerque, New Mexico 87114<br>(505) 239-7973 |                  | REVISIONS      |
| DESIGNED BY: RMM  | APPROVED BY: RMM | DATE: 11-04-04 |
| DRAWN BY: RMM   |                  |                |
| Neumark Irrigation Supplies - Bldg. Addition<br>Albuquerque, New Mexico   |                  |                |
| GRADING AND DRAINAGE PLAN   |                  |                |
| PROJECT NUMBER: 04-001  |                  |                |
| DRAWING NO.: C-2  |                  |                |



