

SCANNED
BY PLN

CONSTRUCTION PLANS FOR *DECELERATION LANE COORS BY-PASS PHASE II*

PAVING IMPROVEMENTS

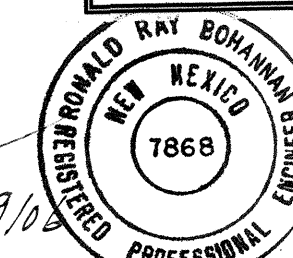
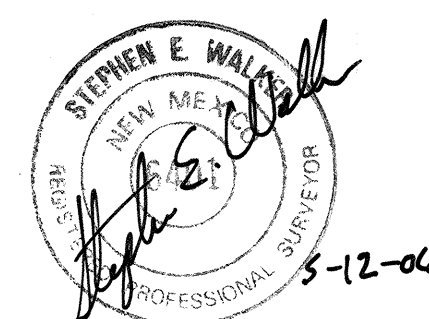
CITY OF ALBUQUERQUE
NEW MEXICO
JULY 2005

FW

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

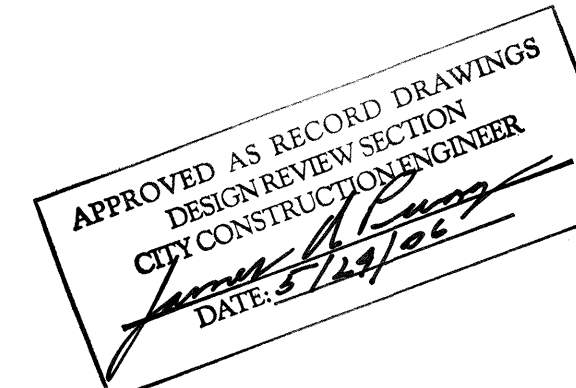
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by Steve Walker, of Walker Surveying Co., NMPS number 6401.

Engineer's Seal
& Signature

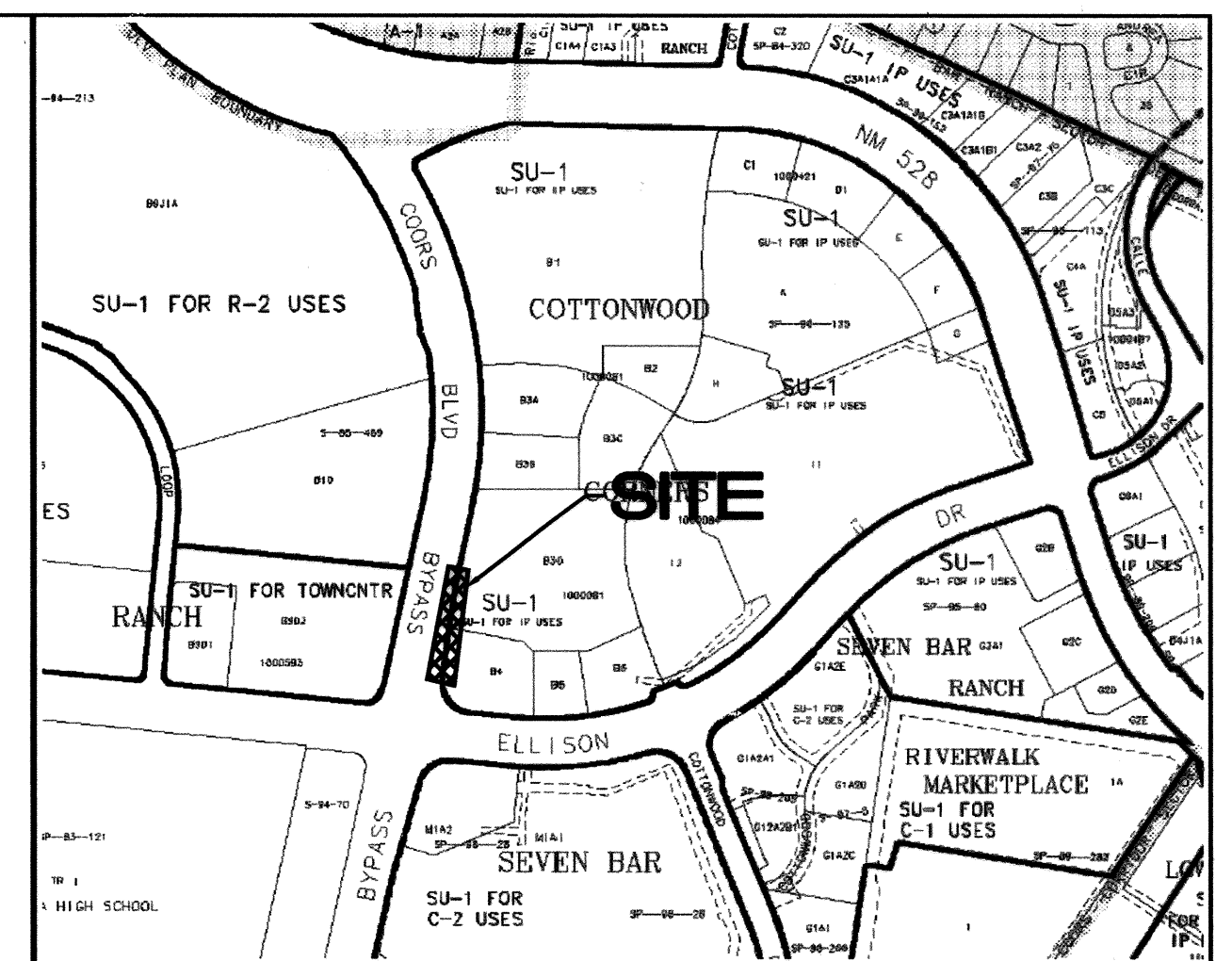


INDEX TO DRAWINGS

1. TITLE SHEET
2. PAVING IMPROVEMENTS
COORS BY-PASS STA: 10+00 TO STA: 11+31.21
3. BORDERS GRADING PLAN (DATED 6-10-05)



Elevations are in NGVD 29.



VICINITY MAP ZONE ATLAS: A-13/14-Z

NOTICE TO CONTRACTORS

SCALE NONE


1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #7).
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNERS EXPENSE.
8. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
9. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

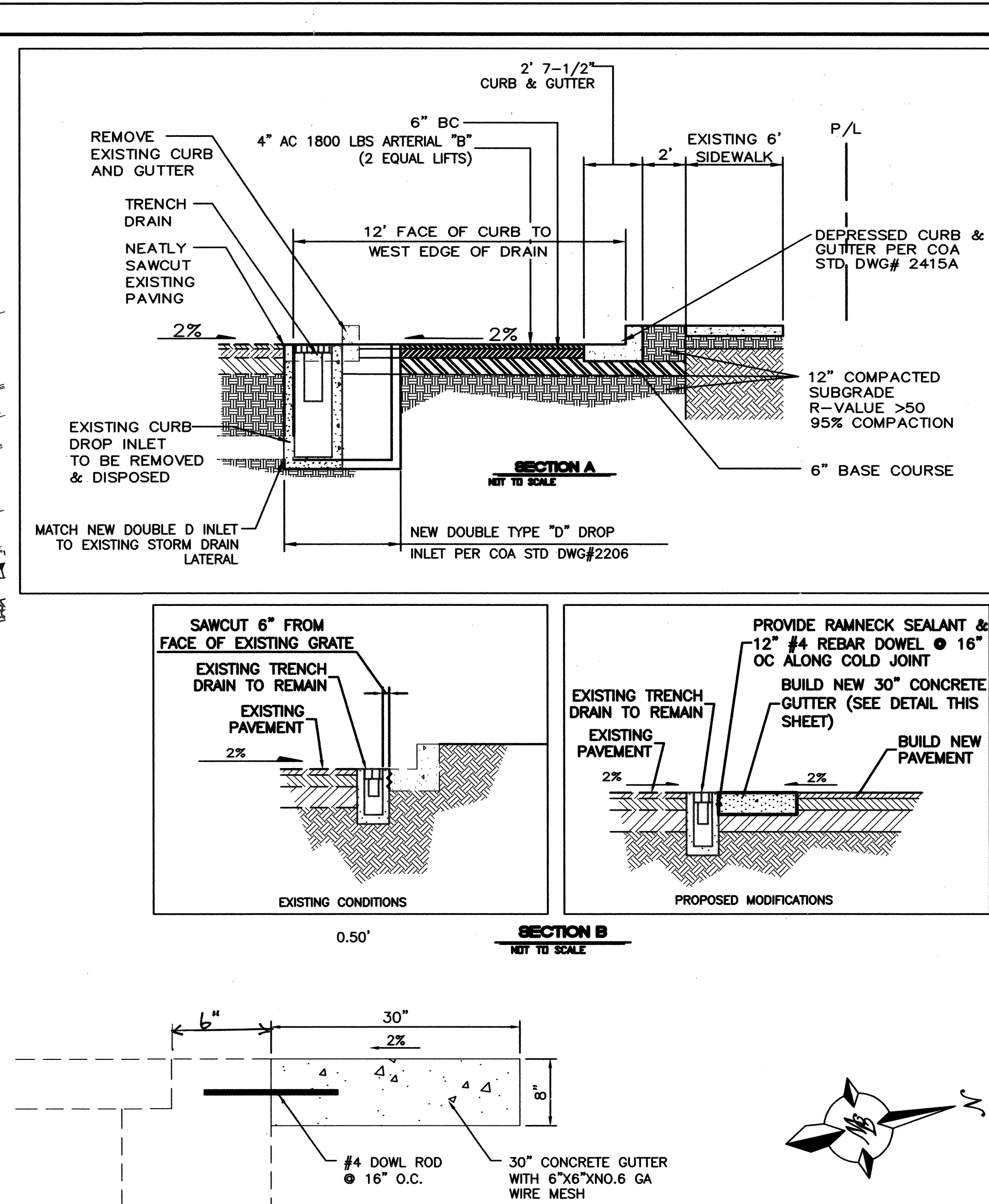
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

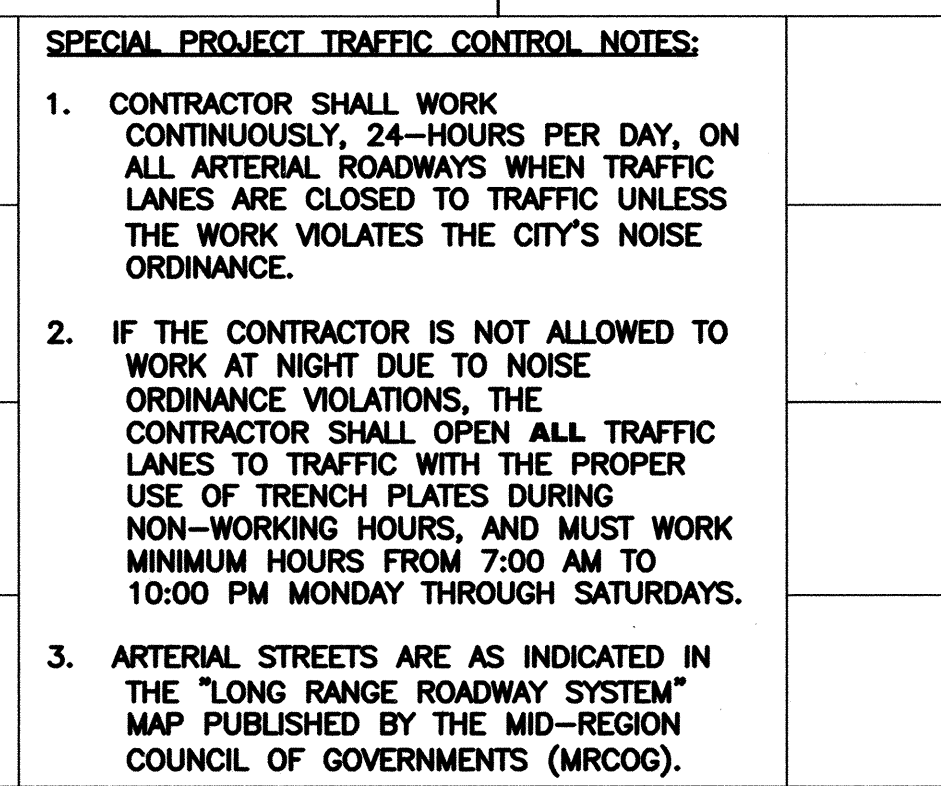
DRB # 1002397

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

| REV | SHEETS | CITY ENGINEER | DATE | USER DEPT. | DATE | USER DEPT. | DATE |
|---|-----------------------------|------------------|--------------------------|-----------------|-------------------------------------|------------------|------|
| ENGINEERS STAMP & SIGNATURE | | APPROVALS | ENGINEER | DATE | APPROVED FOR CONSTRUCTION | | |
|  | | DRC Chairman | <i>[Signature]</i> | 10-12-05 | APPROVED FOR CONSTRUCTION | | |
| | | Transportation | <i>MAZ</i> | 10/12/05 | | | |
| | | Water/Wastewater | <i>N.A. Wallingford</i> | 10-12-05 | | | |
| | | Hydrology | <i>Bradley d. Bufham</i> | 10-12-05 | | | |
| | | C.I.P. | | | | | |
| | | Constr. Coord. | <i>[Signature]</i> | 10-12-05 | <i>[Signature]</i> City Engineer | 11-14-05 Date | |
| | | N.M.U.I. | <i>N.A.</i> | | | | |
| | CITY PROJECT NO. 7398.82 | | | | | | |
| | | | | SHEET 1 OF 3 | | | |



COORS BY-PASS TURN BAY STA: 10+00 TO STA: 11+31.21



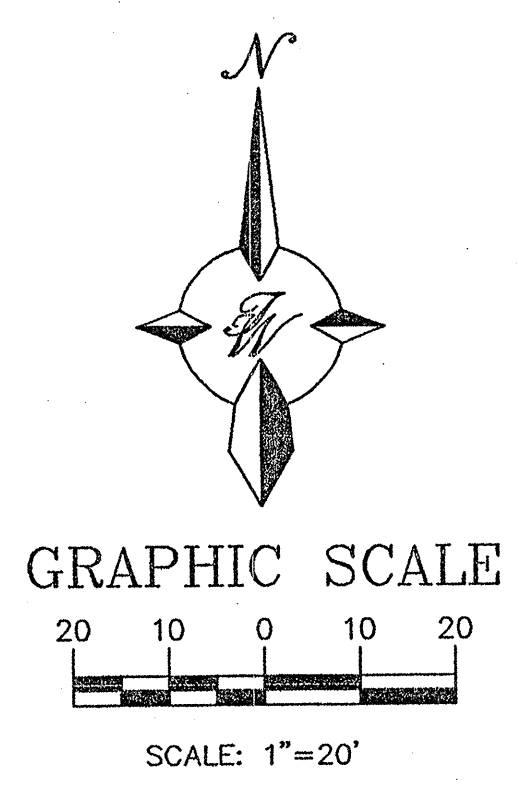
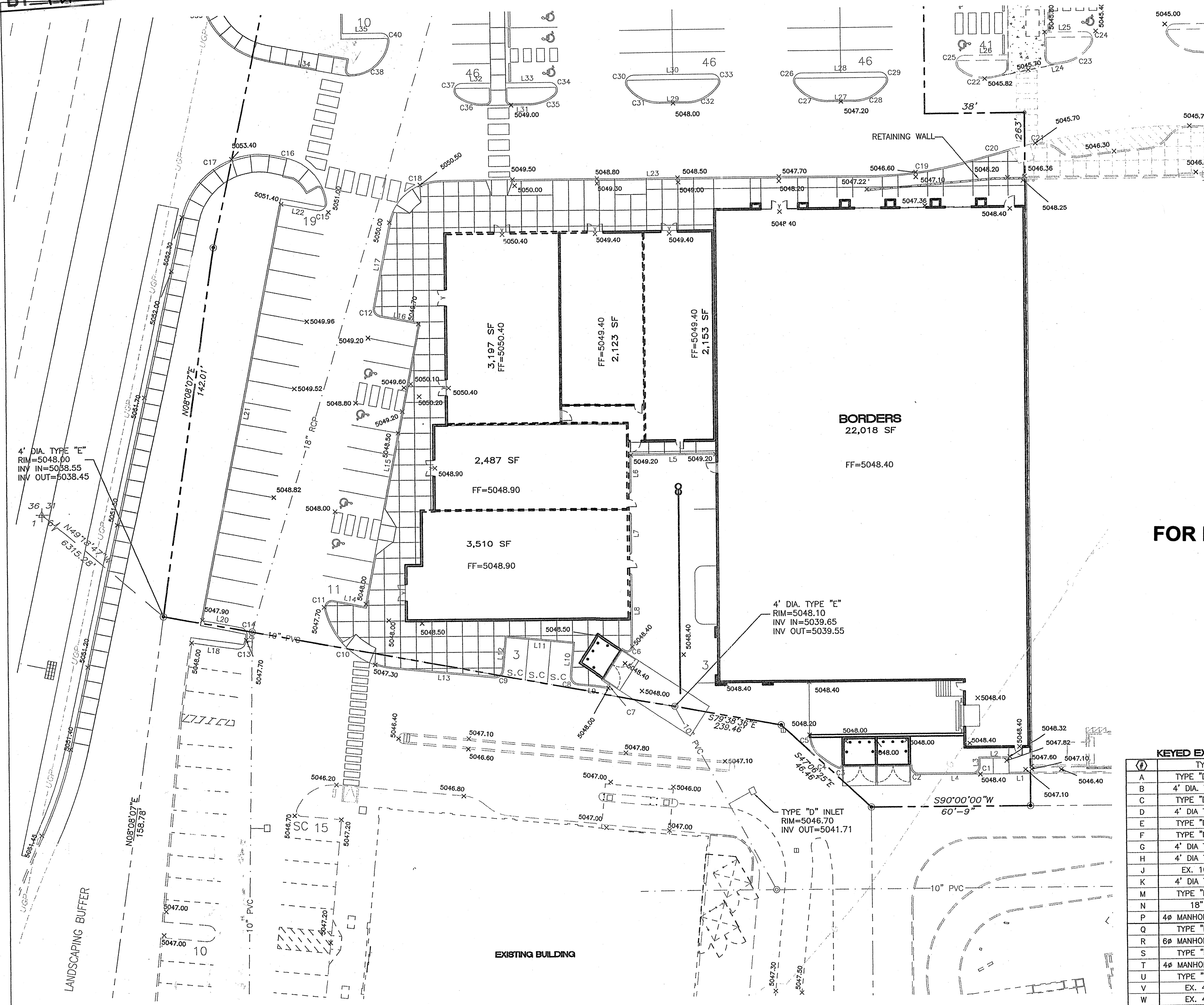
I, **Ronald R. Bohannon**, the firm of **Tierra West LLC**, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by **Steve Walker**, of **Walker Surveying Co.**, NMPS number **6401**.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

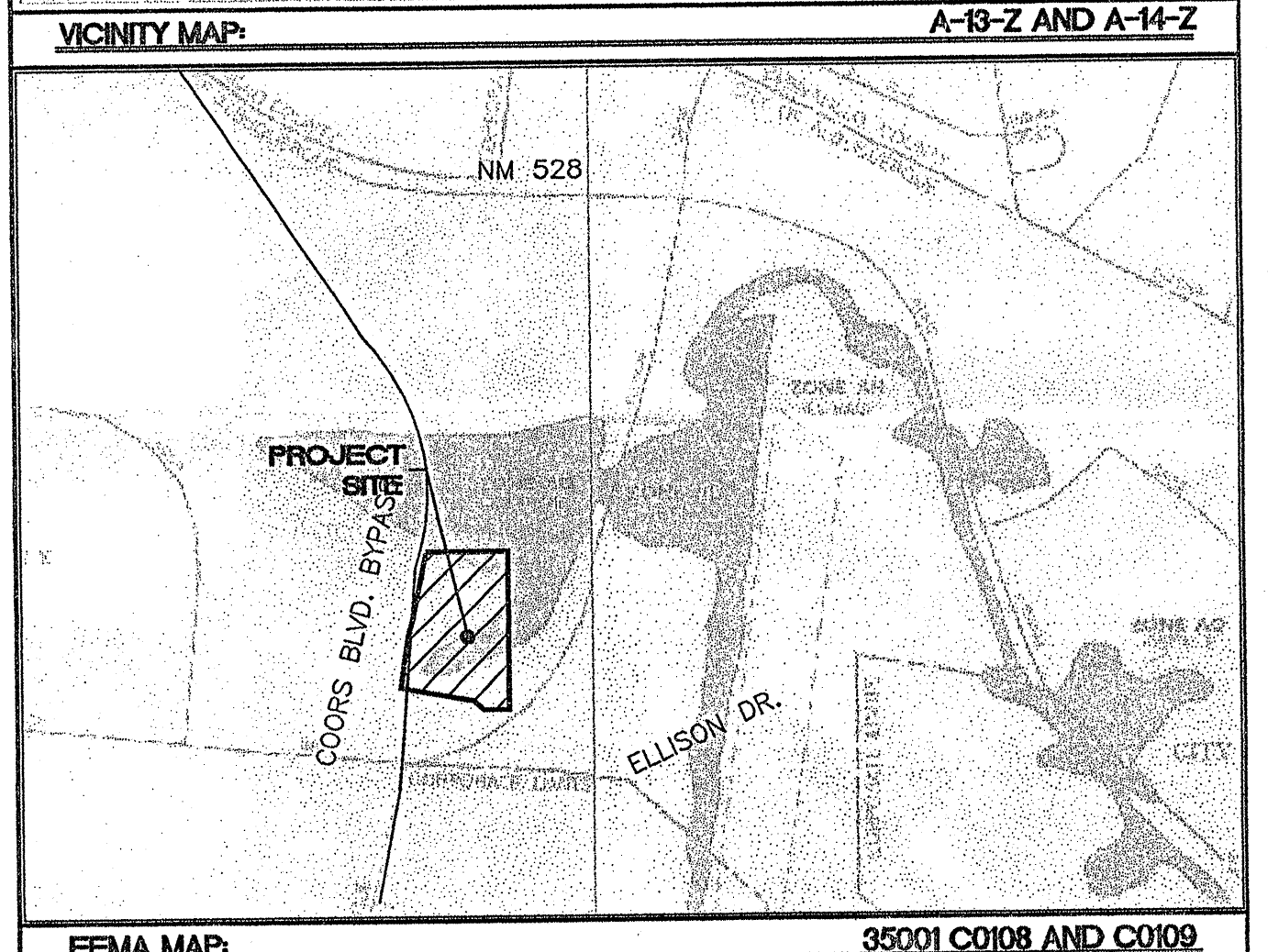
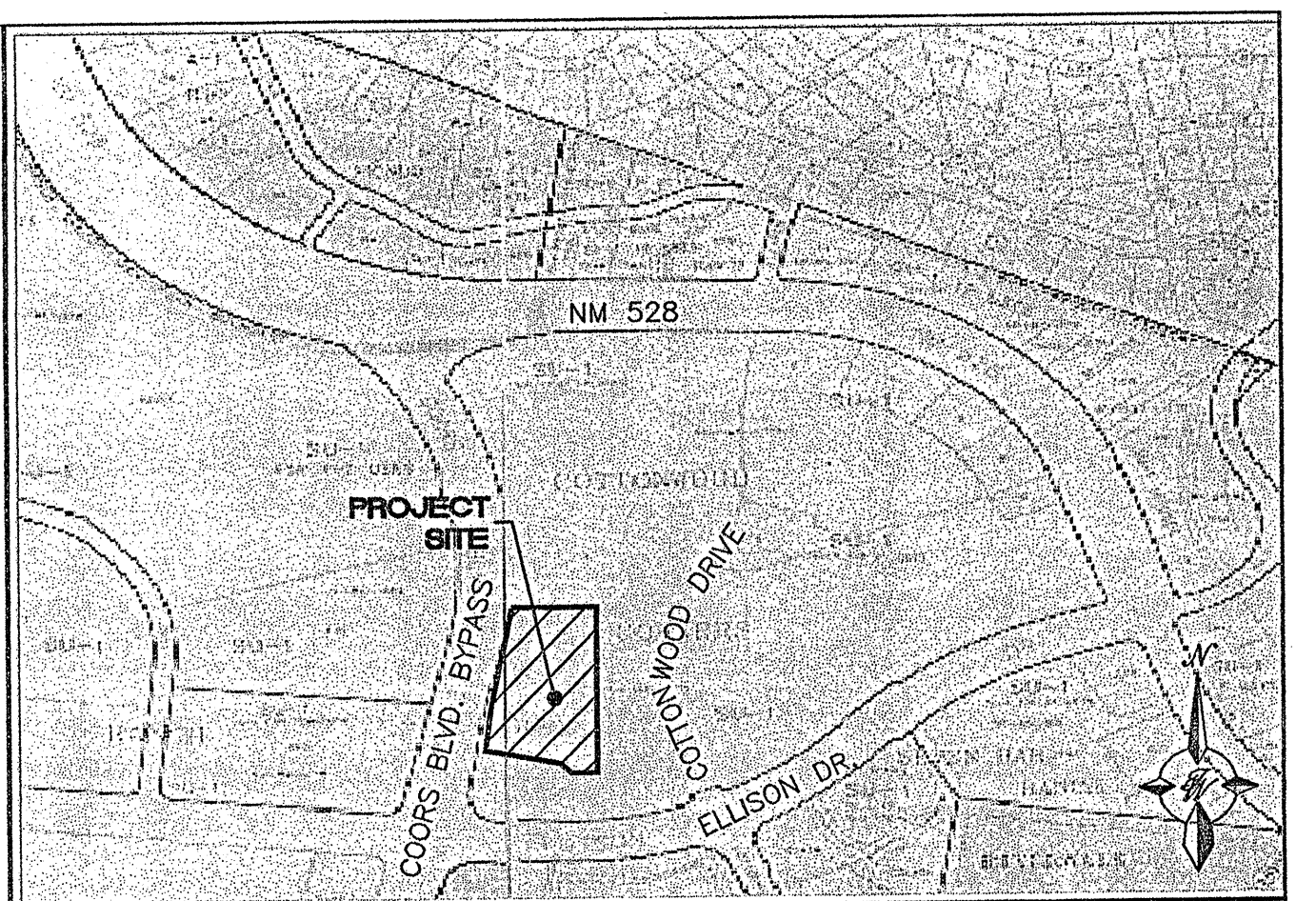
| | | | | |
|-------------------------|------------------------|--------------------|-------------|------|
| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./ |
| APPROVED | APPROVED | | | |
| OCT 13 2005 | NOV 14 2005 | | | |
| DESIGN REVIEW COMMITTEE | CITY ENGINEER | | | |
| | | | | |

| | | | |
|------------------|--------------|-------|----|
| CITY PROJECT NO. | ZONE MAP NO. | SHEET | OF |
| 7398.82 | A-13 | 2 | 3 |

SCANNED
BY PLW



FOR REFERENCE ONLY



LEGAL DESCRIPTION:

TRACT B-3-D, COTTONWOOD CORNERS

NOTES:

1. ALL SPOT ELEVATIONS ARE AT FLOWLINE UNLESS NOTED.
2. REFER TO THE GEOTECHNICAL REPORT AND STRUCTURAL PLANS FOR ALL GROUND WORK PREPARATIONS.
3. ALL INLETS ARE TO BE SINGLE "D" TYPE PER COA STD. DWG #2206
4. ALL CURBWORK TO BE 6" HEADER CURB, UNLESS OTHERWISE NOTED.
5. SPOT ELEVATIONS DENOTED WITH "BW" REFERS TO BOTTOM OF WALL AT FINISH GRADE. SEE WALL BUILDER FOR TOP OF FOOTING ELEVATIONS.
6. ADD 0.50' TO FLOWLINE ELEVATIONS FOR TOP OF CURB
7. ZERO CURB SHOWN AS DASHED LINE AROUND BLDG
8. 18" RCP CONNECTION TO EXISTING STORM DRAIN STUB IN TRACT B-3-D TO BE CONSTRUCTED UNDER THIS PROJECT.
9. TEMPORARY RETENTION POND & 10" STORM DRAIN STUB TO BE REMOVED UNDER THIS PROJECT.

LEGEND:

| SYMBOL | DESCRIPTION |
|-----------------|------------------------------|
| ⊙ | PROPOSED STORM SEWER MANHOLE |
| — 24" RCP — | PROPOSED STORM SEWER LINE |
| □ | PROPOSED STORM SEWER INLET |
| — 24" RCP — | FUTURE STORM SEWER LINE |
| ⊙ | EXISTING STORM SEWER MANHOLE |
| □ | EXISTING STORM SEWER INLET |
| — EX. 24" RCP — | EXISTING STORM SEWER LINE |
| — X — X — X — | EXISTING FENCE |
| ===== | EXISTING CURB & GUTTER |
| ===== | PROPOSED CURB & GUTTER |
| ----- | BOUNDARY LINE |
| ----- | EXISTING BOUNDARY LINE |
| ===== | PROPOSED SIDEWALK |
| ===== | EXISTING SIDEWALK |
| ===== | FUTURE SIDEWALK |
| ===== | PROPOSED PERIMETER WALL |
| ===== | PROPOSED STEM WALL |
| ===== | EXISTING CONTOUR |
| ===== | EXISTING INDEX CONTOUR |
| → | FLOW ARROW |
| — | SLOPE TIE |
| ===== | EXISTING 1:1 ROCK PLATING |
| ===== | RIGHT-OF-WAY |
| △ | BENCH MARK |
| ☆ | STREET LIGHTS |
| ===== | WATER BLOCK |

| KEYED EXISTING STORM DRAIN DATA | | | | | |
|---------------------------------|-----------------------|-----------|---------|----------|--------------|
| # | TYPE | RIM/GRATE | INV. IN | INV. OUT | ORIFACE DIA. |
| A | TYPE "D" INLET | 5046.78 | — | 5042.78 | — |
| B | 4" DIA. TYPE "E" | 5046.65 | 5042.10 | 5042.00 | — |
| C | TYPE "D" INLET | 5045.97 | 5041.45 | 5041.35 | — |
| D | 4" DIA. TYPE "E" | 5047.00 | 5041.01 | 5040.91 | — |
| E | TYPE "D" INLET | 5046.34 | 5042.44 | 5042.34 | — |
| F | TYPE "D" INLET | 5045.19 | 5039.80 | 5039.70 | — |
| G | 4" DIA. TYPE "E" | 5045.39 | 5035.34 | 5035.24 | — |
| H | 4" DIA. TYPE "E" | 5044.40 | 5033.60 | 5033.50 | — |
| J | EX. 10" CAP | ** | ** | ** | — |
| K | 4" DIA. TYPE "E" | 5045.26 | 5035.61 | 5035.51 | — |
| M | TYPE "D" INLET | 5044.81 | — | 5040.81 | — |
| N | 18" CAP | — | — | 5035.99 | — |
| P | 4" MANHOLE TYPE "E" | 5044.72 | 5033.09 | 5032.99 | — |
| Q | TYPE "D" INLET | 5044.10 | — | 5040.00 | 2.50" |
| R | 6" MANHOLE TYPE "E" | 5044.43 | 5031.85 | 5031.85 | — |
| S | TYPE "D" INLET | 5044.10 | — | 5040.00 | 4.25" |
| T | 4" MANHOLE TYPE "E" | 5046.32 | 5040.00 | 5039.90 | — |
| U | TYPE "D" INLET | 5045.50 | — | 5041.50 | — |
| V | EX. 4" MH | 5039.48 | 5031.48 | 5031.38 | — |
| W | EX. 4" MH | ** | ** | ** | ** |
| X | EX. 10" CAP | ** | ** | ** | — |
| Y | TYPE "D" INLET | ** | ** | ** | — |
| Z | FUTURE TYPE "D" INLET | ** | ** | ** | — |
| 1 | TYPE "D" INLET | 5045.60 | — | 5041.60 | 3.5" |
| 2 | 4" DIA. TYPE "E" | 5047.45 | 5040.65 | 5040.55 | — |
| 3 | TYPE "D" INLET | 5046.30 | — | 5042.30 | 3.5" |
| 4 | TYPE "D" INLET | 5046.00 | — | 5042.00 | 3.5" |
| 5 | 4" DIA. TYPE "E" | 5047.00 | — | 5040.10 | — |
| 6 | TYPE "D" INLET | 5046.70 | — | 5041.70 | 2.5" |
| 7 | 4" DIA. TYPE "E" | 5048.10 | 5039.65 | 5039.55 | — |
| 8 | 4" DIA. TYPE "E" | 5048.00 | 5038.55 | 5038.45 | — |
| 9 | TYPE "D" INLET | 5041.60 | — | 5037.60 | 5.0" |

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

| | | | |
|----------------------|---|--|---------------------|
| | BORDERS COTTONWOOD CORNERS | | DRAWN BY SV |
| | OVERALL GRADING AND DRAINAGE PLAN | | DATE 06-09-05 |
| | TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100 | | 2514GRE-6-9-05x.dwg |
| SHEET # 3 - 3 | | | JOB # 25014 |