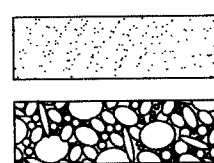


• L E G E N D •

MATERIALS

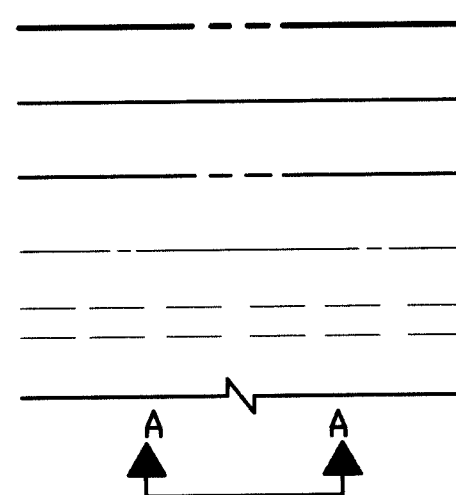
CONCRETE

RIP-RAP



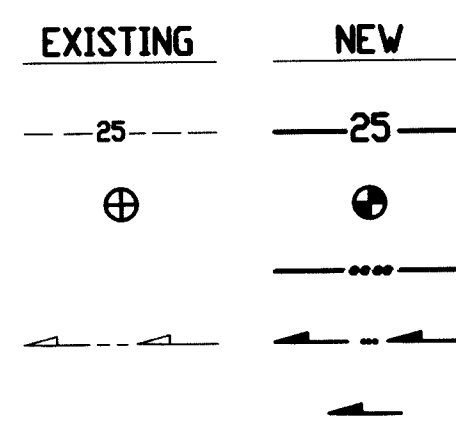
LINES

SUBDIVISION BOUNDARY  
PROPERTY LINE (PLAN)  
PROPERTY LINE (SECTION)  
CENTERLINE  
EASEMENT LINE  
MATCH LINE  
SECTION CUT LINE



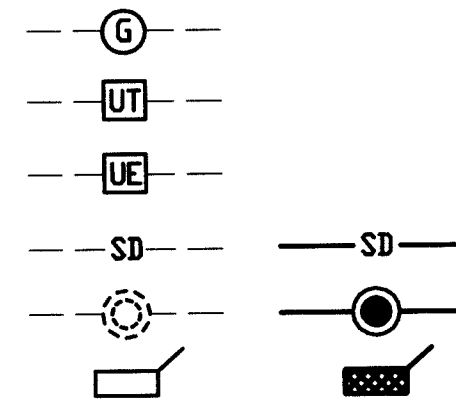
EARTHWORK

CONTOUR LINE  
SPOT ELEVATION  
PROJECT / PHASE BOUNDARY  
FLOWLINE  
DIRECTION OF FLOW



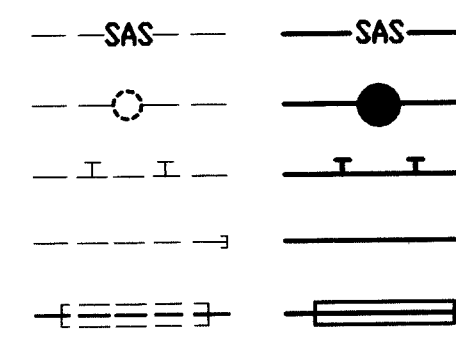
MISCELLANEOUS UTILITIES

GAS LINE  
UNDERGROUND TELEPHONE  
UNDERGROUND ELECTRICAL  
STORM DRAIN  
STORM DRAIN MANHOLE  
STORM DRAIN INLET



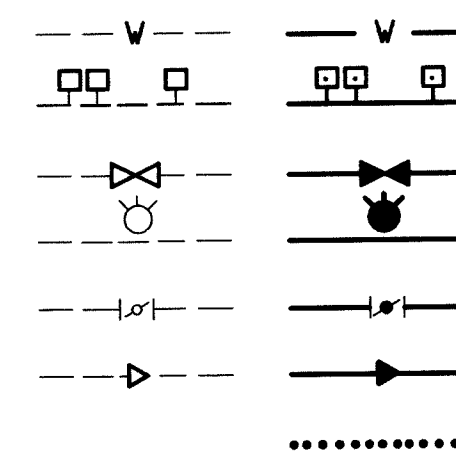
SANITARY SEWER

SANITARY SEWER LINE  
SANITARY SEWER MANHOLE  
SAS SERVICE CONNECTIONS  
SAS CAP OR PLUG  
ENCASEMENT



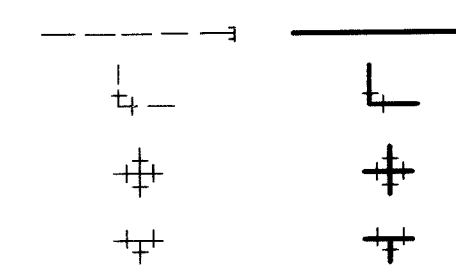
WATER

WATER LINE  
WATER SERVICE CONNECTIONS  
GATE VALVE  
FIRE HYDRANT  
BUTTERFLY VALVE  
REDUCER  
WATER PRESSURE ZONE BOUNDARY



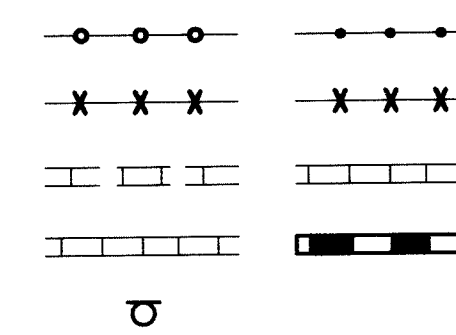
WATER FITTINGS

CAPS AND PLUGS  
ELBOW  
CROSS  
TEE



MISCELLANEOUS

CHAINLINK FENCE  
FIELD FENCE  
COMMON YARD WALL  
RETAINING WALL  
POWER OR TELEPHONE POLE



# CONSTRUCTION PLANS FOR WESTSIDE ELEMENTARY SCHOOL WATERLINE EXTENSION ALBUQUERQUE, NEW MEXICO MARCH, 1995

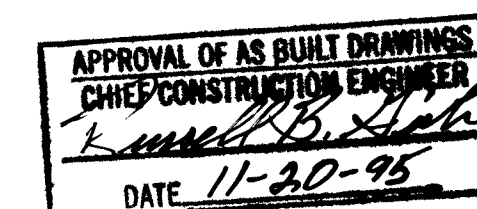


RECORD DRAWING

INDEX OF DRAWINGS

| SHEET | DESCRIPTION   |
|-------|---|
| 1     | COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND, AND INDEX OF DRAWINGS |
| 2     | TOPOGRAPHIC SURVEY  |
| 3     | SITE PLAN   |
| 4     | WATERLINE EXTENSION PLAN AND PROFILE                                    |

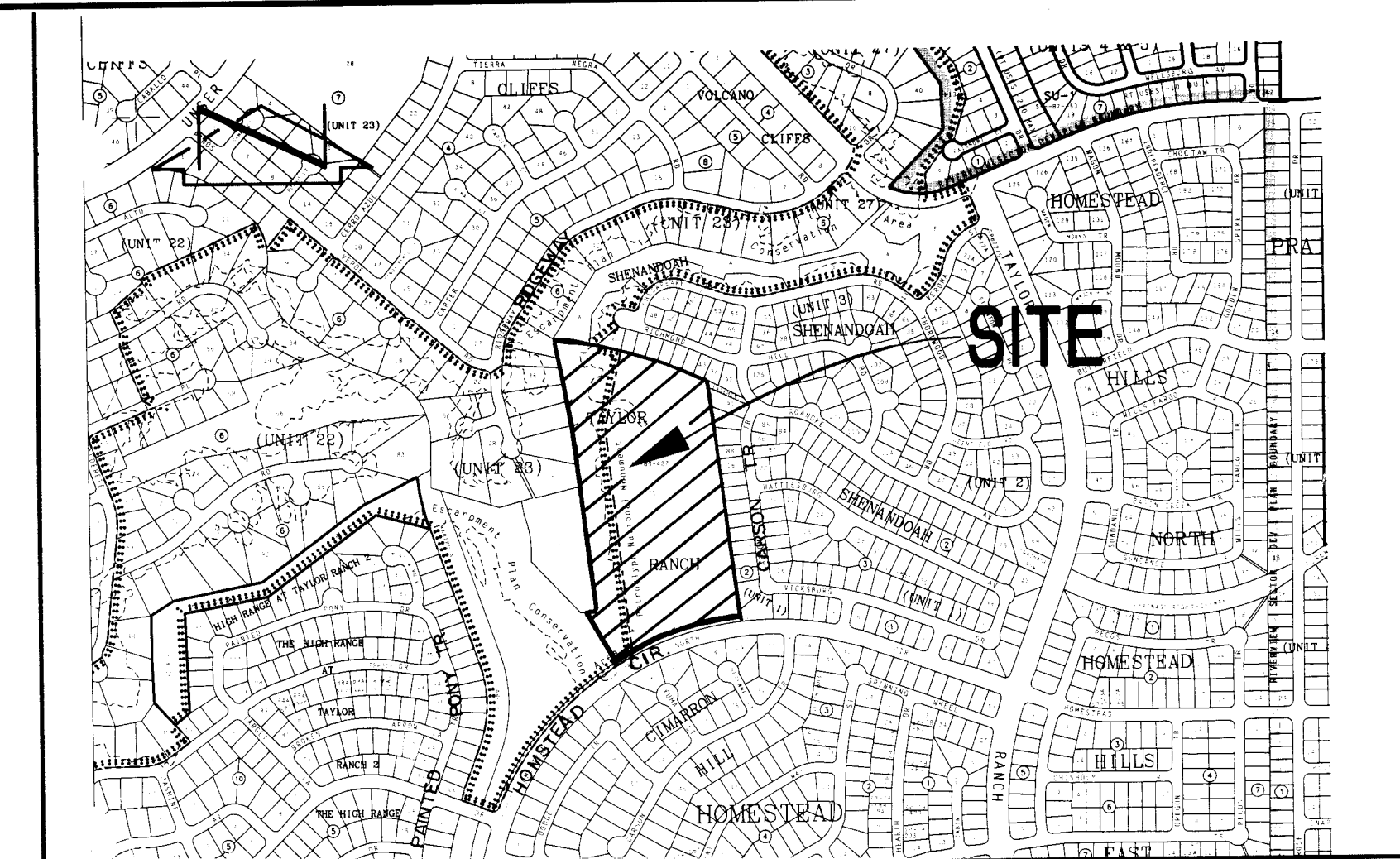
RECORD DRAWING  
I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.



20-5172.90-0195

SCANNED BY  
BY LASON

870678



VICINITY MAP  
SCALE: 1" = 750' (APPROX.)

D-11

GENERAL NOTES:

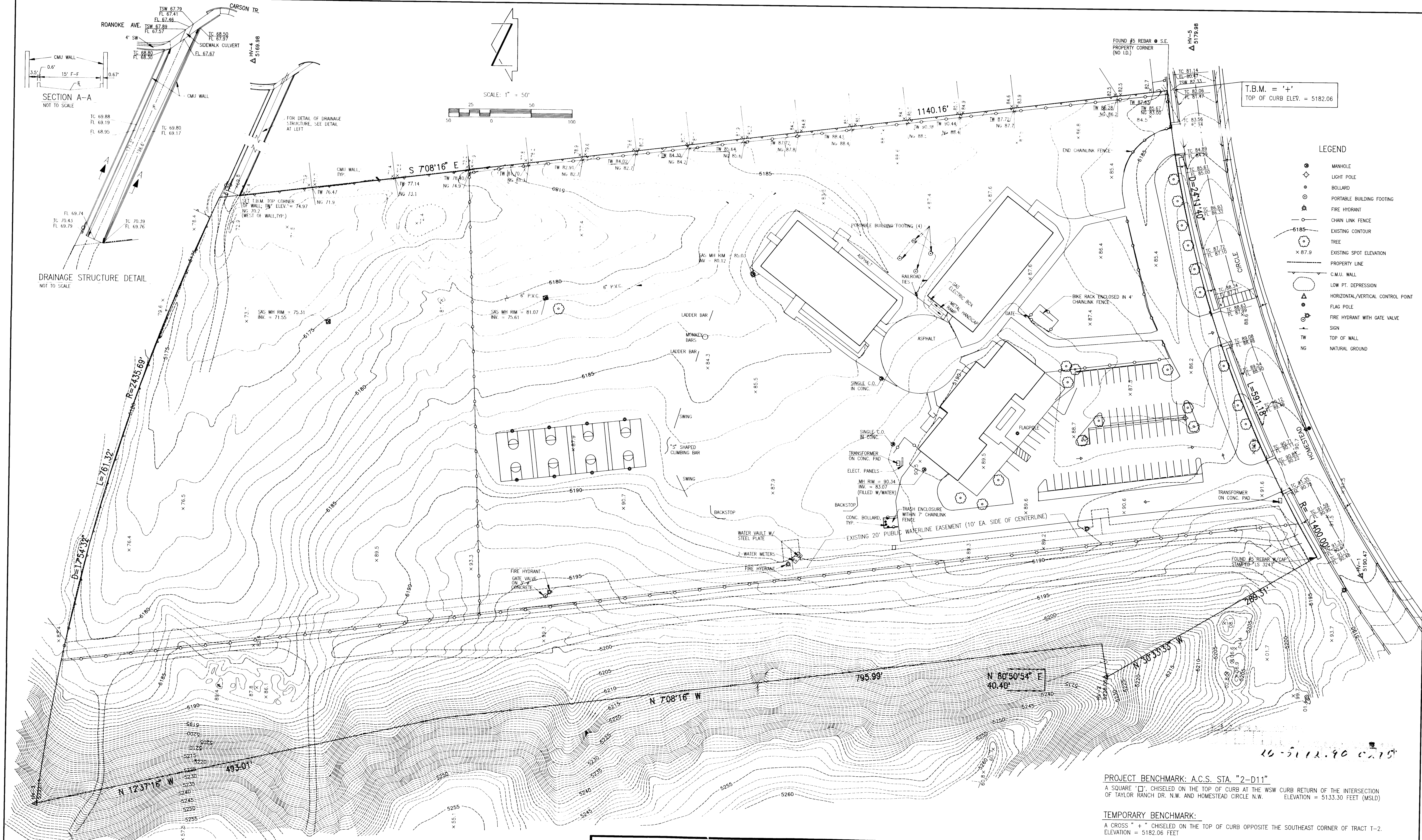
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1986, EDITION, AS AMENDED THROUGH UPDATE #5.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- 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 DURING CONSTRUCTION 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 DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR 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 ELEVATION 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 SPECIFICATIONS.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

|      |        |               |      |      |            |      |      |            |      |
|------|--------|---------------|------|------|------------|------|------|------------|------|
| 1    | THRU 4 |               |      |      |            |      |      |            |      |
| REV. | SHEETS | CITY ENGINEER | DATE | USER | DEPARTMENT | DATE | USER | DEPARTMENT | DATE |

APPROVAL OF REVISIONS

|             |         |  |
|-------------|---------|--|
|             |         | APPROVED FOR<br>CONSTRUCTION<br>5/23/95 C.E. |
| PROJECT NO. | 5172.90 | SHEET 1 OF 4                                 |





**FOR INFORMATION ONLY**

**BID LOT 6**

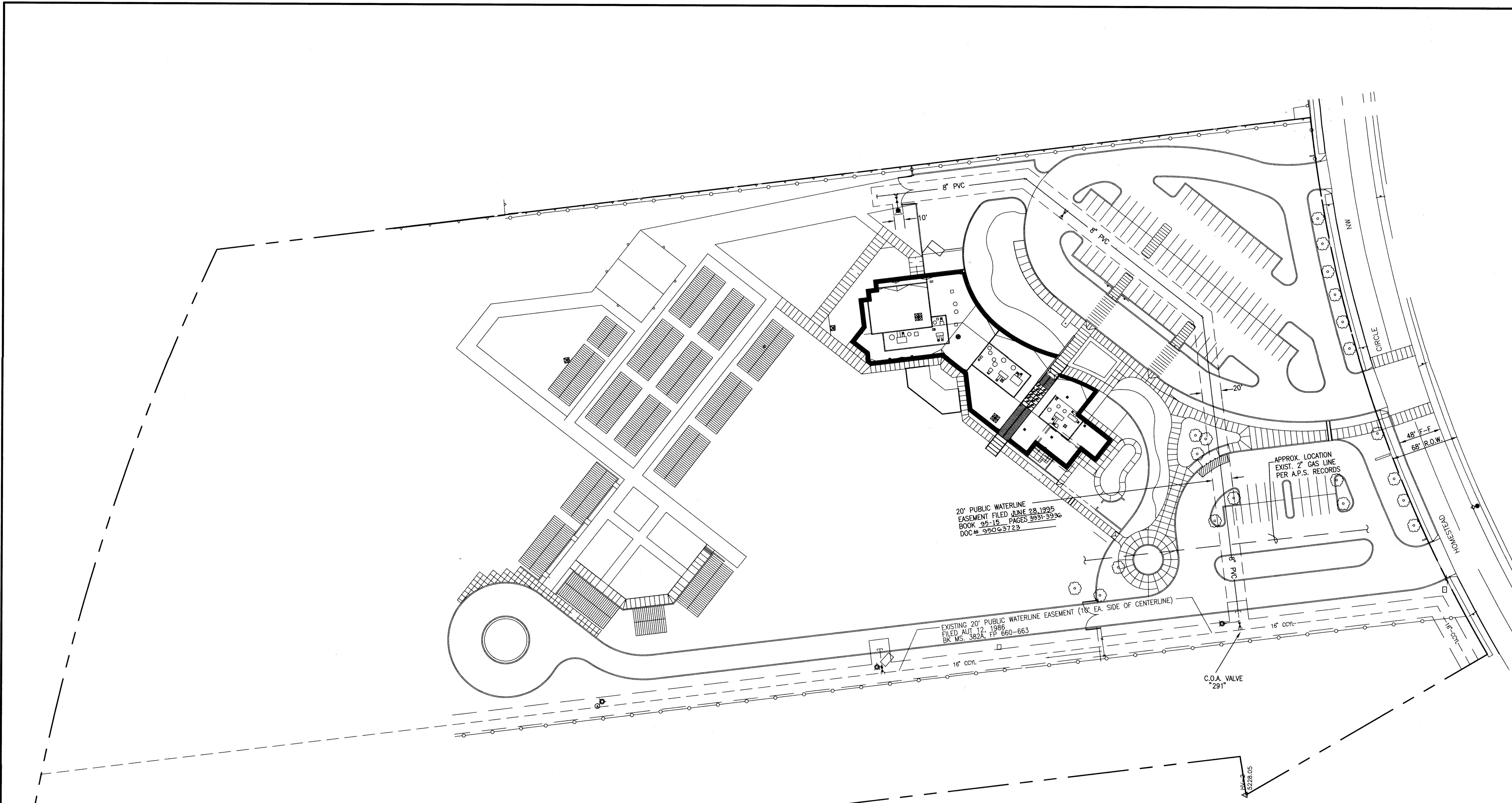
TOPOGRAPHIC SURVEY FOR WESTSIDE ELEMENTARY SCHOOL  
TRACT T-2, TAYLOR RANCH

**JMA**  
JEFF MORTENSEN & ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE.  
ALBUQUERQUE, N.M. 87109  
ENGINEERS & SURVEYORS (CDS) 345-4250

| NO. | DATE  | BY     | REVISIONS            | JOB NO.       |
|-----|-------|--------|----------------------|---------------|
| 1   | 09/95 | M.F.D. | FOR INFORMATION ONLY | 870678        |
| 2   |       |        |                      | DATE 09, 1994 |
| 3   |       |        |                      | SHEET 2 OF 4  |

CITY PROJECT # 5172.90; MAP NO. D-11



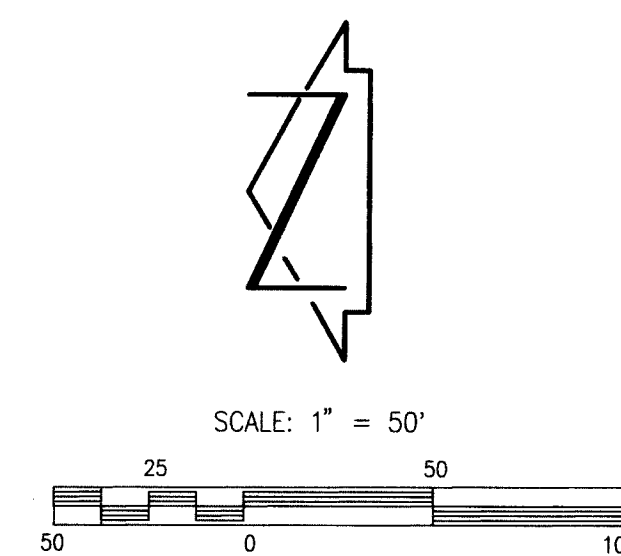


**RECORD DRAWING**

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen  
Date 3-13-95

NEW MEXICO  
JEFFREY G. MORTENSEN  
REGISTERED PROFESSIONAL ENGINEER  
8547



**RECORD DRAWING**

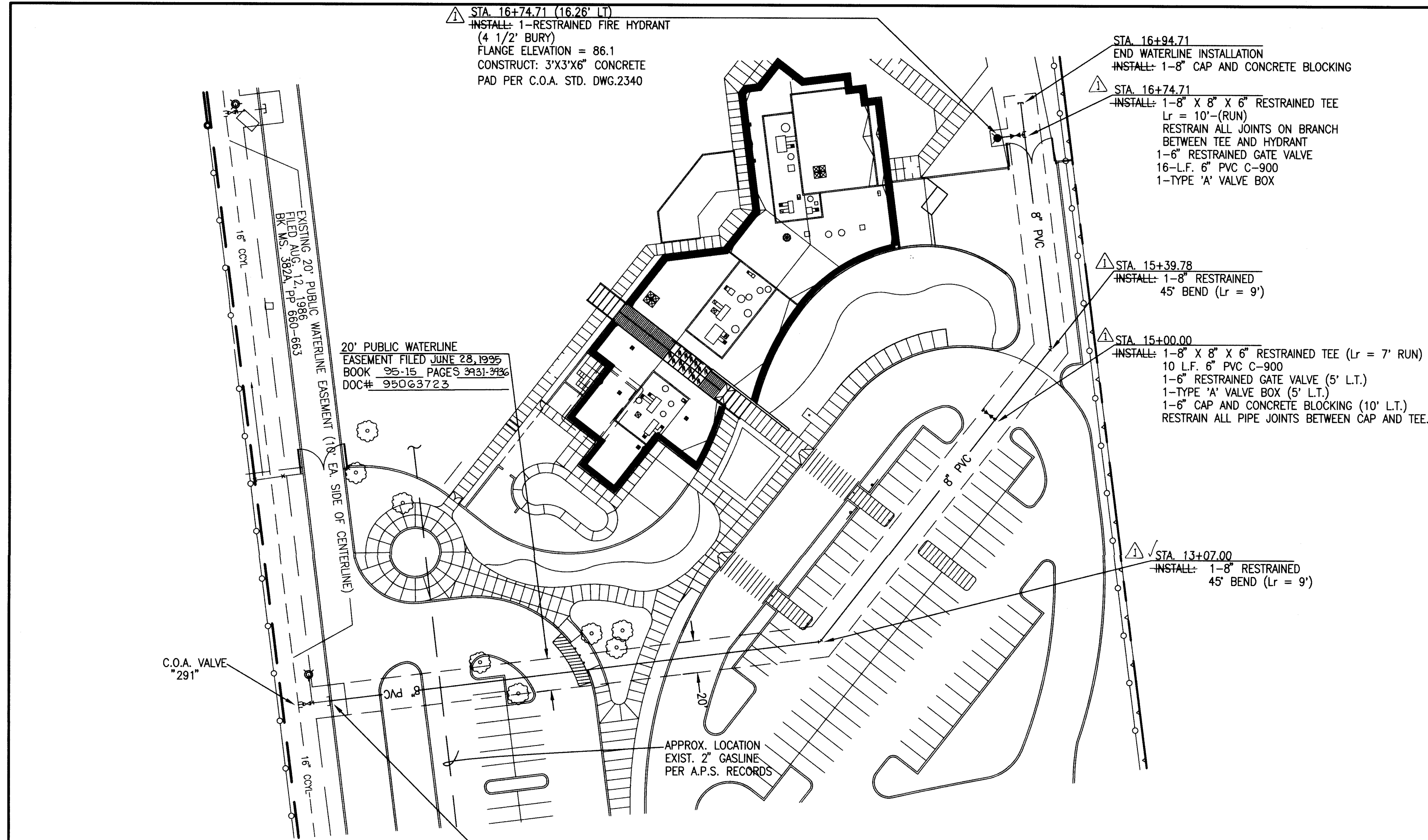
**BID LOT 6**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
24-5172.90 03/95

|  |                    |              |            |                    |      |
|--|--------------------|--------------|------------|--------------------|------|
| <b>Jma</b> JEFF MORTENSEN & ASSOCIATES, INC.<br>4600-B MIDWAY PARK BLVD. NE<br>ALBUQUERQUE, N.M. 87109<br>ENGINEERS & SURVEYORS (905) 945-4250 |                    |              |            |                    |      |
| TITLE: CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP   |                    |              |            |                    |      |
| WESTSIDE ELEMENTARY SCHOOL<br>SITE PLAN  |                    |              |            |                    |      |
| APPROVALS  | ENGINEER           | DATE         | APPROVALS  | ENGINEER           | DATE |
| D.R.C. CHAIR   | <i>[Signature]</i> | 3-31-95      | WATER      | <i>[Signature]</i> |      |
| TRANSPORTATION   | <i>[Signature]</i> | 3-17-95      | WASTEWATER | <i>[Signature]</i> |      |
| HYDROLOGY  | <i>[Signature]</i> | 3/20/95      |            |                    |      |
| PROJECT NO. 5172.90  |                    | MAP NO. D-11 |            | SHEET 3 OF 4       |      |

| SURVEY INFORMATION |         | BENCH MARKS |  | AS BUILT INFORMATION   |                   |
|--------------------|---------|-------------|--|------------------------|-------------------|
| NO.                | BY      | DATE        |  | CONTRACTOR             | NEW CONCEPTS      |
| N/A                | JMA/K&P | 6/94        | A SQUARE "□" CHISELED ON THE TOP OF CURB AT THE WSW CURB RETURN OF THE INTERSECTION OF TAYLOR RANCH DR. N.W. AND HOMESTEAD CIRCLE N.W. A.C.S. STA. "2+011". ELEVATION = 5133.30 FEET (M.S.L.D.). | WORK INSPECTED BY      | J.M.A. DATE 06/95 |
|                    |         |             |  | ACCEPTANCE BY          | M.F.D. DATE 06/95 |
|                    |         |             |  | VERIFICATION BY        | J.M.A. DATE 07/95 |
|                    |         |             |  | DRAWINGS BY            | J.E.W. DATE 07/95 |
|                    |         |             |  | CHECKED BY             |                   |
|                    |         |             |  | MICRO-FILM INFORMATION |                   |
|                    |         |             |  | RECORDED BY            | DATE              |
|                    |         |             |  | NO.                    |                   |



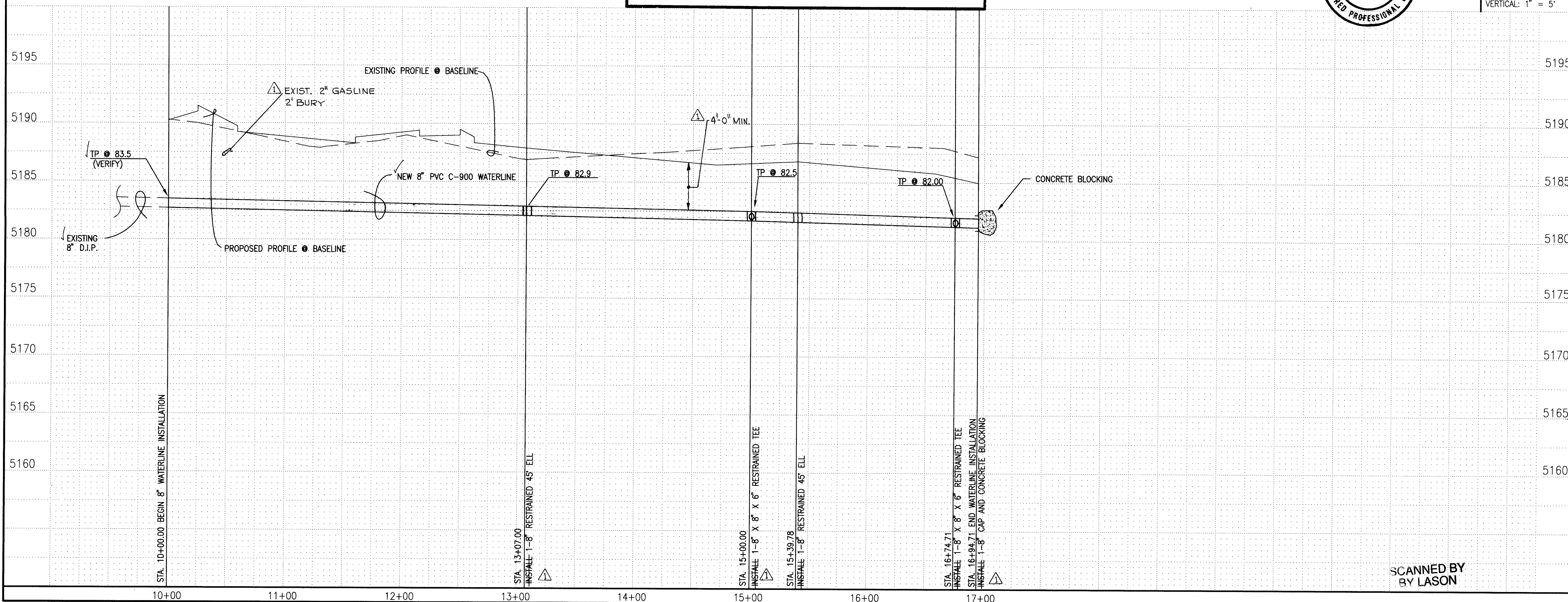


**RECORD DRAWING**

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Jeffrey G. Mortensen  
Professional Engineer  
New Mexico  
No. 8547  
Date 7-13-95

SCALE:  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'



SCANNED BY  
BY LASON

- WATERLINE CONSTRUCTION NOTES:
- ALL STATIONING IS BASED ON EASEMENT CENTERLINE UNLESS INDICATED OTHERWISE.
  - FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
  - FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
  - WATERLINE SHALL HAVE A MINIMUM COVER OF 4'0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
  - ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
  - IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS" METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
  - VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
  - JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
  - JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
  - FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED.

WATER VALVE SHUTOFF PLAN REQUIREMENTS:

- AS A MINIMUM, THE FOLLOWING VALVE SHALL BE CLOSED TO FACILITATE THE PROPOSED CONNECTIONS:  
NO. "291" AS INDICATED ON THE PLAN
- THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINE. ALL SHUTOFFS SHALL BE PERFORMED BY THE WATER SYSTEM DIVISION PERSONNEL (857-8200).
- THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT THE NECESSARY SHUTOFFS AND CONNECTIONS.
- EXISTING WATER VALVE AND WATERLINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE PUBLIC WORKS DEPT. AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAP D-11.
- AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT THE WATER SYSTEM DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST 24 HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.

1 2 3 4 5 6 7 8 9 10 11 12  
26-5172.96 0495

**Jma**

JEFF MORTENSEN & ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. N.E.  
ALBUQUERQUE, N.M. 87109  
ENGINEERS (505) 345-4250

TITLE: CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

WESTSIDE ELEMENTARY SCHOOL  
WATERLINE PLAN AND PROFILE

| APPROVALS      | ENGINEER | DATE   | APPROVALS  | ENGINEER | DATE |
|----------------|----------|--------|------------|----------|------|
| D.R.C. CHAIR   | 3-4-95   | 3-1-95 | WATER      |          |      |
| TRANSPORTATION | 3-1-95   | 3-1-95 | WASTEWATER |          |      |
| HYDROLOGY      | 3-1-95   | 3-1-95 |            |          |      |

PROJECT NO. 5172.90 MAP NO. D-11 SHEET 4 OF 4