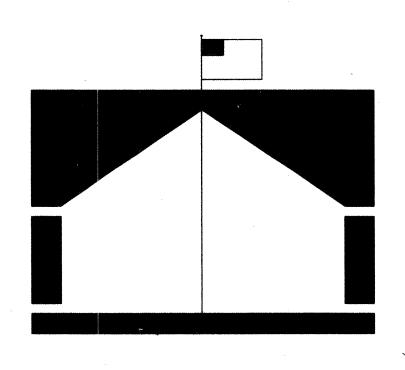
△ RECORD DRAWING CONSTRUCTION PLANS

MARIE HUGHES ELEMENTARY SCHOOL PUBLIC WATER LINE EXTENSION AND FIRE HYDRANT INSTALLATION

ALBUQUERQUE, NEW MEXICO JULY, 2004





CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I. JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE SHEET PROJECT BY THE CITY ENGINEER.

EFFREY G. MORTENSEN, NMPE 8547

INDEX OF DRAWINGS

DESCRIPTION

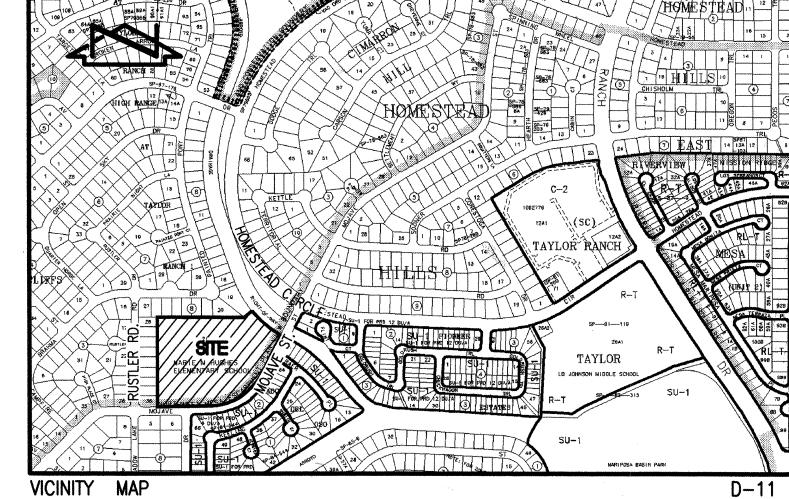
COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS

EASEMENT SURVEY (PRELIMINARY)
EASEMENT SURVEY (FINAL)

PUBLIC WATER LINE EXTENSION STA 9+80 TO STA 14+01.86 PUBLIC WATER LINE EXTENSION STA 14+01.86 TO STA 16+79.40 WATER VALVE SHUTOFF PLAN, SECTIONS AND DETAILS



1 2 3 4 5 6 7 8 9 10 11 12 13 14 18



- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTI 260-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING PUBLIC UTILITIES AND APS MAINTENANCE & OPERATIONS (765-5950) FOR LOCATION OF EXISTING PRIVATE UTILITIES.

- LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- 7. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING
- 8. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- 9. TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- 11. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- 12. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- 13. CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN. NOT LESS THAN SEVEN (7) 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. THE WATER SYSTEM DIVISION PHONE NUMBER IS 857-8200.
- 14. 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.
- 15. FIVE (5) 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 BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- 16. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
- 17. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS
- 18. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- 19. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- 20. WHEN APPLICABLE, CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.

A RECORD DRAWING

6010-B MIDWAY PARK BLVD, N.E. ALBUQUERQUE | NEW MEXICO 87109 ENGINEERS () SURVEYORS (505) 345-4250 1.083.88 1-6 REV. SHEETS CITY ENGINEER USER DEPARTMENT DATE USER DEPARTMENT ENGINEERS STAMP & SIGNATURE APPROVALS ENGINEER ***** DRC Chairman ydrology ty Engineer Const. Mngmt. Const. Coord. SHEET City Project No.

EXHIBIT 'A-1'

PUBLIC WATERLINE EASEMENT SURVEY

EASEMENT DESCRIPTION

A certain tract of land located within the Corporate Limits of the City of Albuquerque, New Mexico, comprising a portion of Tract 21, The High Range at Taylor Ranch I, as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on April 05, 1980, Book D8, Page 103, and being more particularly described as follows:

A 20' City of Albuquerque public waterline easement lying 10' on each side of the following described centerline:

Beginning at the northernmost point of the easement herein described, being a point on the north property line of said Tract 21, also being a point on the south property line of Lot 24, Block 8 of said plat, whence the northwest property corner of said Tract 21 bears N 89°43′51" W a distance of 131.22 feet; thence S 00°16′09" W a distance of 62.00 feet along said centerline to a junction point; thence S 89°43′51" E a distance of 257.54 feet along said centerline; thence S 63°40′32" E a distance of 401.99 feet along said centerline to the southeasternmost point of the easement herein described, being a point on the southeastern property line of said Tract 21, also being a point on the northwest right-of-way line of Mojave Street N.W.

A 20' City of Albuquerque public waterline easement lying 10' on each side of the following described centerline:

Beginning at the aforementioned junction point; thence N 89°43'51" W a distance of 30.00 feet.

SHEET 1 OF 3

- An easement survey was performed in May, 2004. No Property corners were found on the Tract 21 boundary. Adjacent property corners were found as indicated.
- 2. Site located within Section 23, Township 11 North, Range 2 East, N.M.P.M.
- 3. All distances are ground distances.
- Bearings shown hereon are based upon the record plat of Tract 21, The High Range at Taylor Ranch I per the plat filed 04-05-1978, Book D8, Page 103.
- 5. Purpose of this document is to redefine a new public waterline easement, superseding the easement granted by document filed 07-22-2004, Book A81, Page 2105, Doc. #2004102367.
- 6. The northern end of the easement described hereon shall lengthen or shorten to intersect with the north property line of Tract 21, also the southeastern end of the easement hereon described shall lengthen or shorten to intersect with the public right-of-way of Mojave Street N.W.

SURVEYORS CERTIFICATION

I, Charles G. Cala, Jr., New Mexico Professional Surveyor No. 11184, do hereby certify; that this easement survey and the actual survey on the ground upon which it is based were performed by me or under my direct supervision; that this survey meets the Minimum Standards for Surveying in New Mexico, and that it is true and correct to the best of my knowledge and belief.

03-07-2005

JEFF MORTENSEN & ASSOCIATES, INC. 6010-B MIDWAY PARK BLVD. N.E. ALBUQUERQUE | NEW MEXICO 87109 ☐ ENGINEERS ☐ SURVEYORS (505) 345-4250 JOB NO. 1.083.7 ease

EXHIBIT 'A-1'

PUBLIC WATERLINE EASEMENT SURVEY

BOUNDARY TABLES

LINE	DIRECTION	DISTANCE
L1	N 00°16'09" E	600.00'
L2	S 89°43'51" E	565.00'
L3	N 49°50°58" E	68.35'
L4	S 26'36'15" W	100.77'
L5	S 27'45'00" W	210.85'
L6	N 89°43'51" W	330.12'

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1		253.40'	S 49°57'45" E	252.18'	19°37'15"
C2	381.83'	416.64'	N 59°00'34" E	396.28	62°31'09"

KEYED NOTES

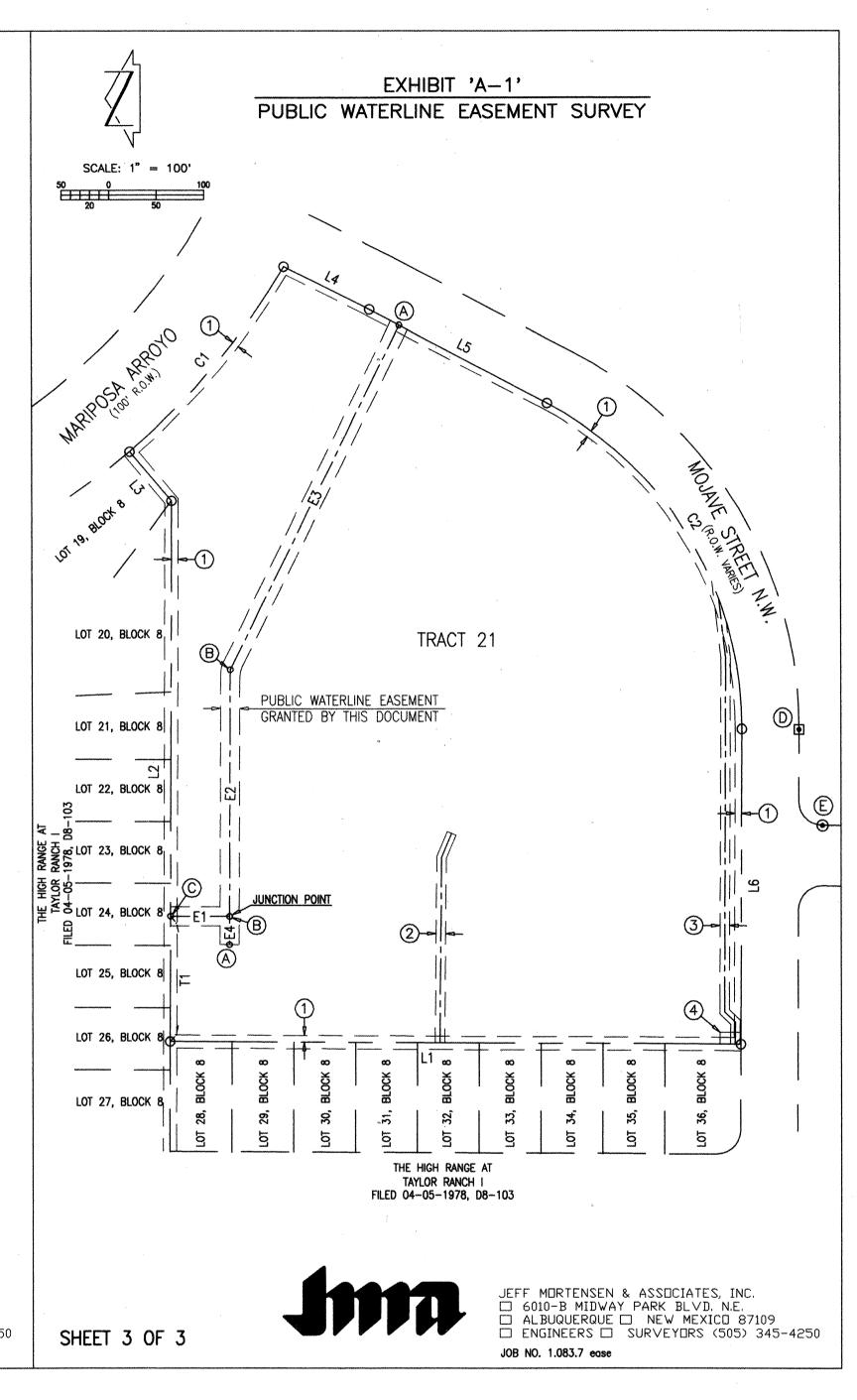
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- B SET #5 REBAR WITH CAP STAMPED "CONTROL PT. NMPS 11184"
- © SCRIBED MARK IN WALL (FOR LINE ONLY)
- (D) FOUND CHISELED "+" IN CONCRETE SIDEWALK
- (E) FOUND #5 REBAR, NO I.D.

SHEET 2 OF 3

EASEMENT TABLE

LINE	DIRECTION	DISTANCE
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JEFF MORTENSEN & ASSOCIATES, INC. □ 6010-B MIDWAY PARK BLVD, N.E. ALBUQUERQUE | NEW MEXICO 87109 ☐ ENGINEERS ☐ SURVEYORS (505) 345-4250 JOB NO. 1.083.7 ease



City Project No.

JEFF MORTENSEN & ASSOCIATES, INC.

☐ 6010-B MIDWAY PARK BLVD. N.E.

☐ ALBUQUERQUE ☐ NEW MEXICO 87109

☐ ENGINEERS ☐ SURVEYORS (505) 345-4250

☐ FAX: 505 345-4254 ☐ ESTABLISHED 1977 1.083.8 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP TITLE: MARIE HUGHES ELEMENTARY SCHOOL EASEMENT SURVEY - FINAL Mo./Day/Yr. Mo./Day/Yr. Design Review Committee City Engineer Approval

DRAWING RECORD

EXHIBIT 'A'

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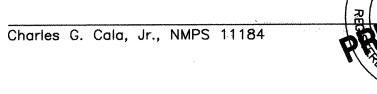
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JEFF MORTENSEN & ASSOCIATES, INC. □ 6010-B MIDWAY PARK BLVD, N.E. ALBUQUERQUE [] NEW MEXICO 87109 ☐ ENGINEERS ☐ SURVEYORS (505) 345-4250 JOB NO. 1.083.5 easebase

EXHIBIT 'A' PUBLIC WATERLINE EASEMENT SURVEY

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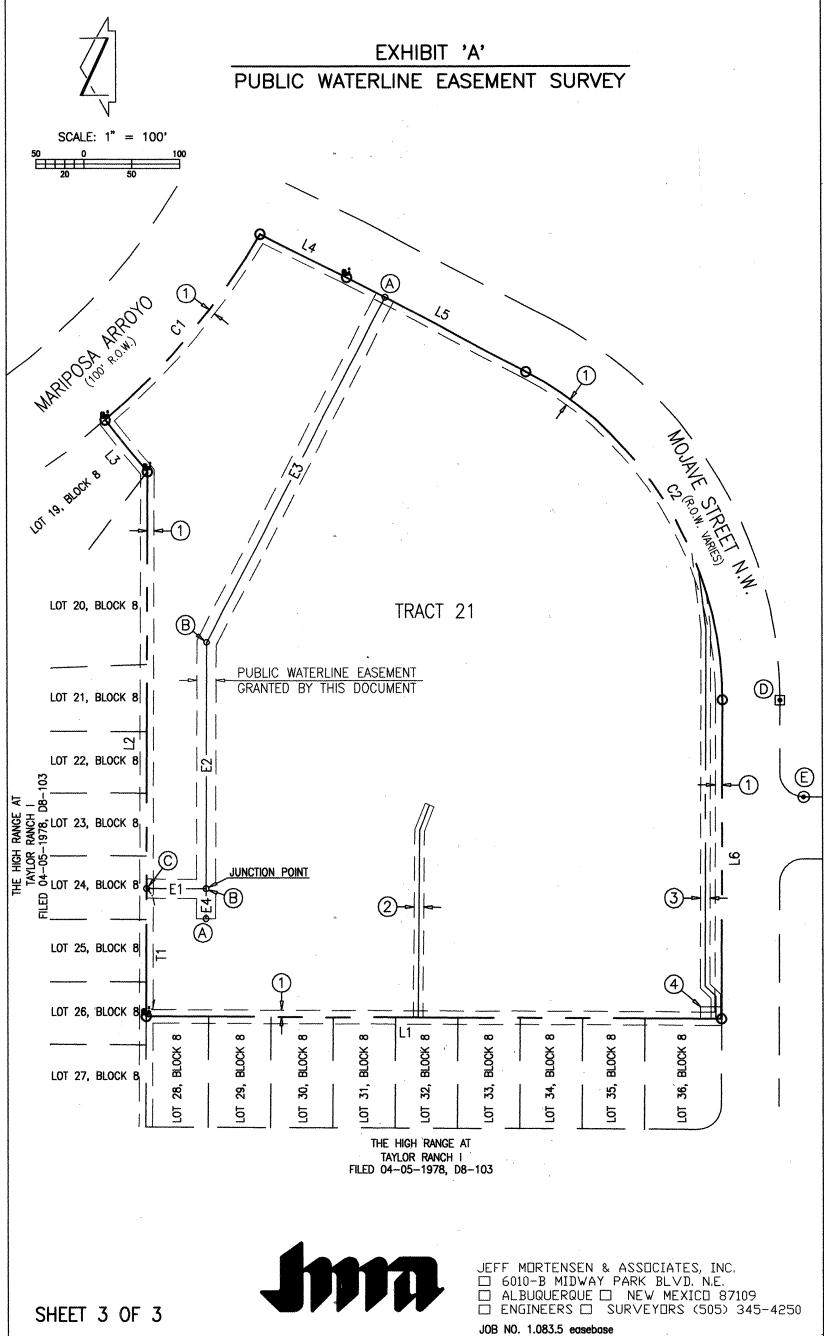
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ALBUQUERQUE | NEW MEXICO 87109 JOB NO. 1.083.5 easebase



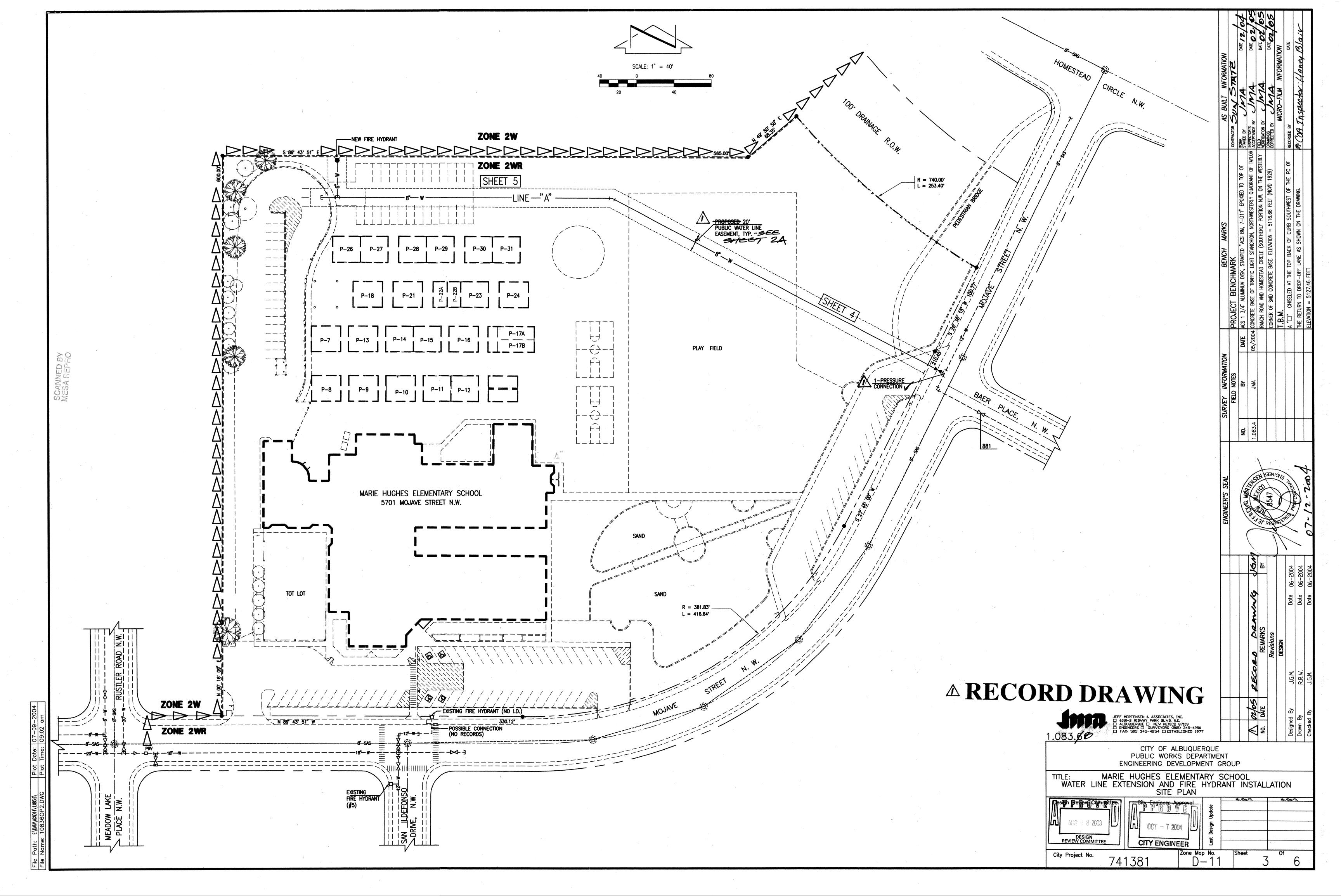
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

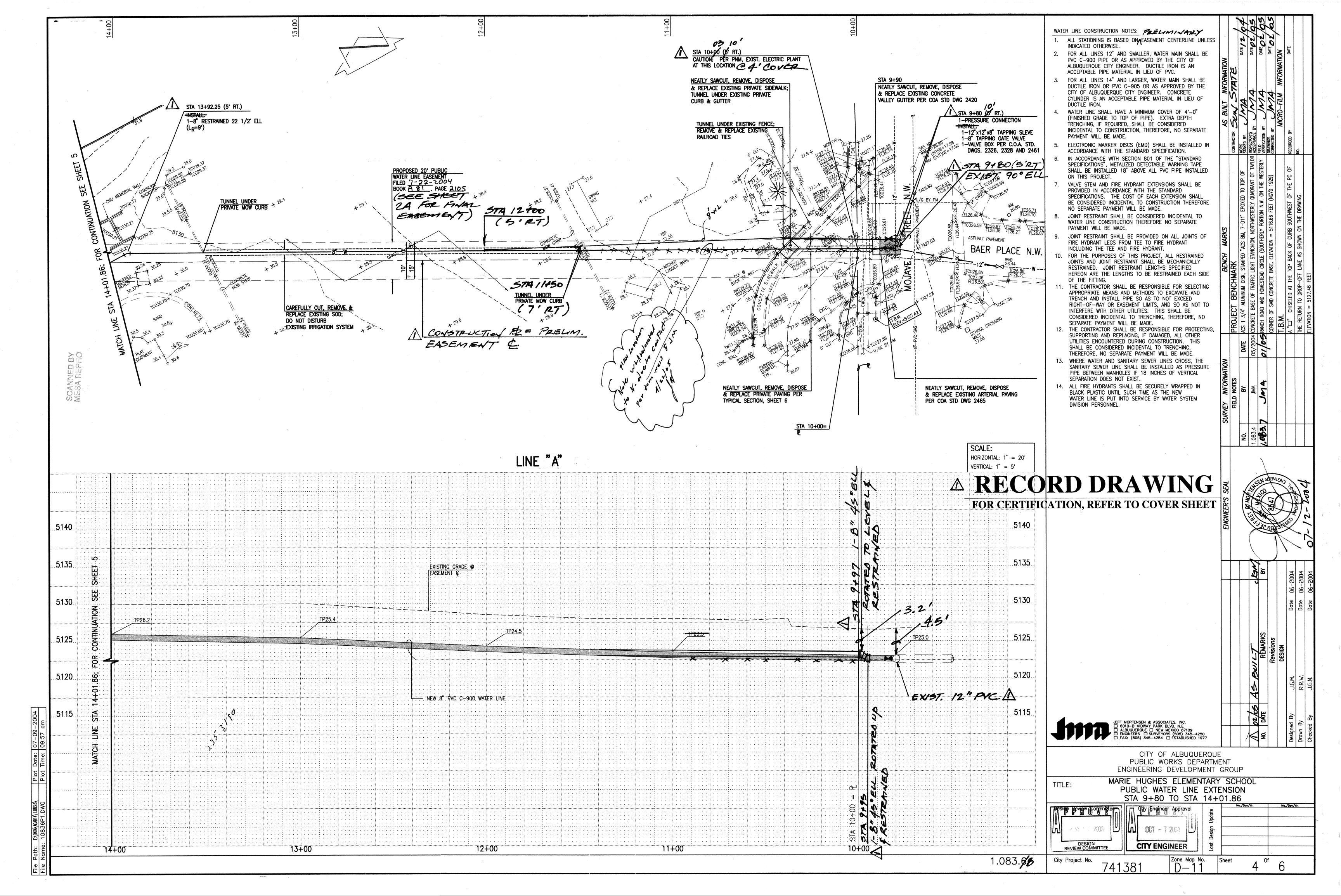
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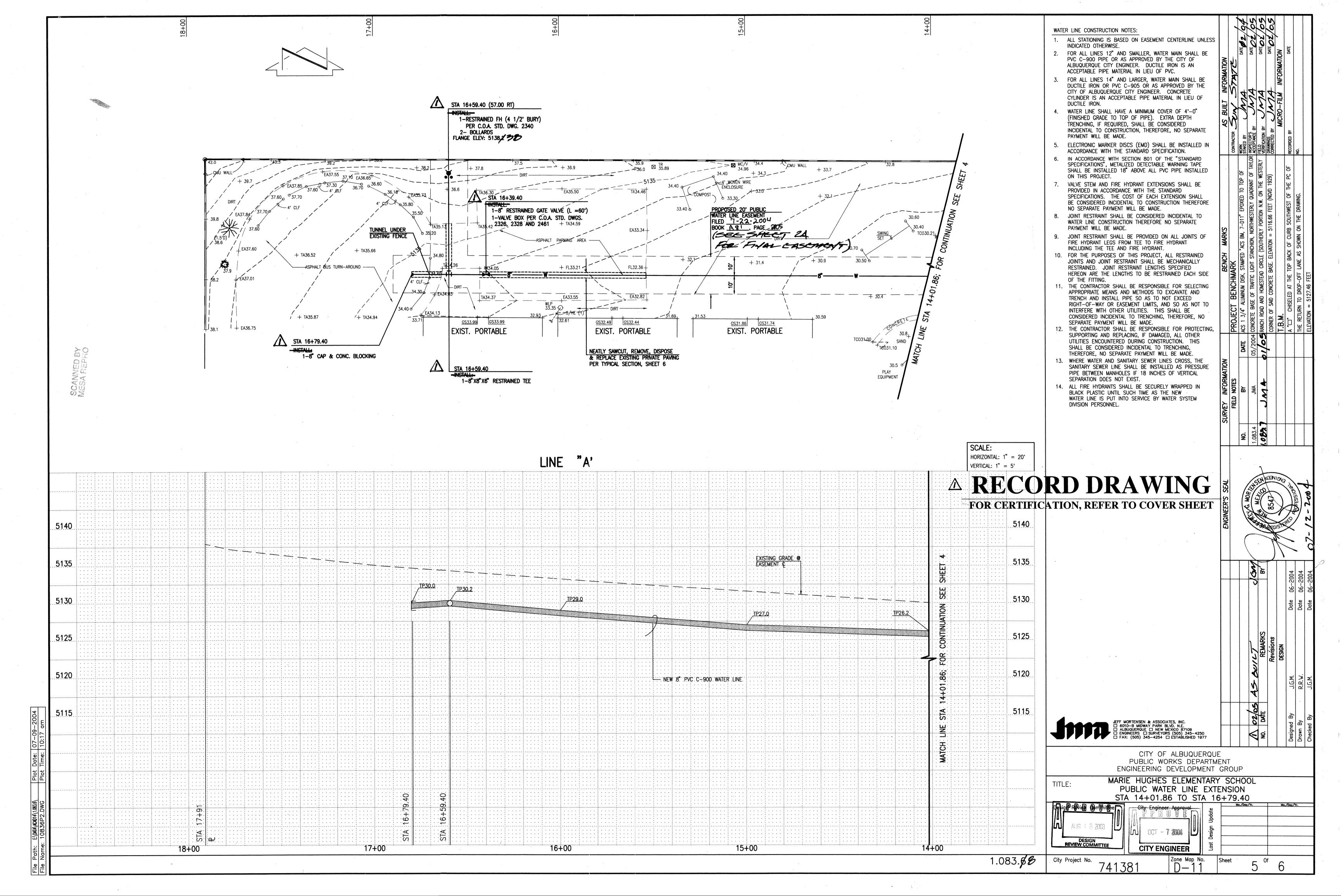
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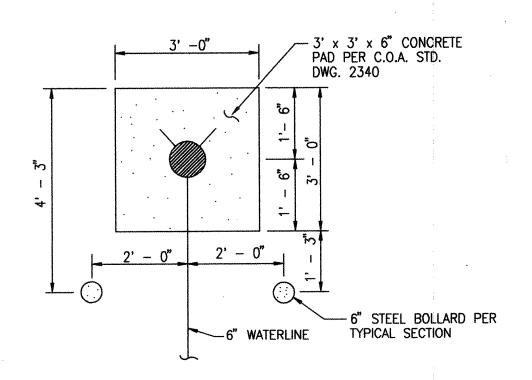
JEFF MORTENSEN & ASSOCIATES, INC. D 6010-B MIDWAY PARK BLVD, N.E. ENGINEERS ☐ SURVEYORS (505) 345-4250

△ RECORD DRAWING

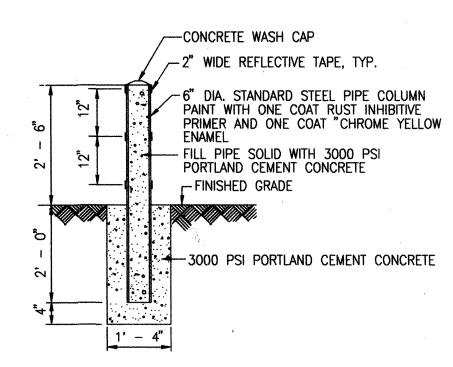




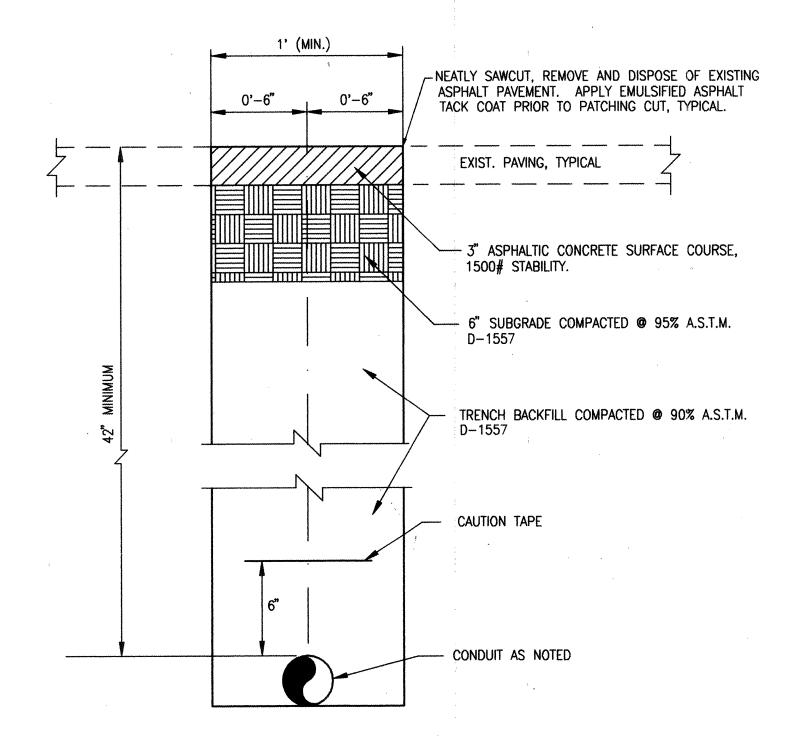




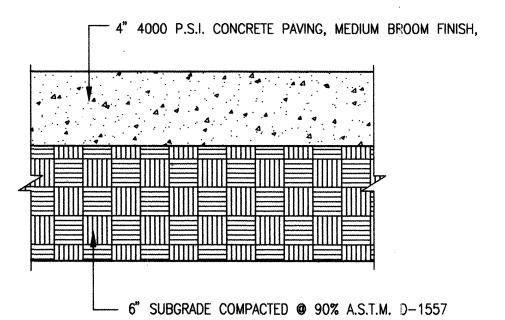
FIRE HYDRANT BOLLARD DETAIL SCALE: 1'' = 2' - 0''



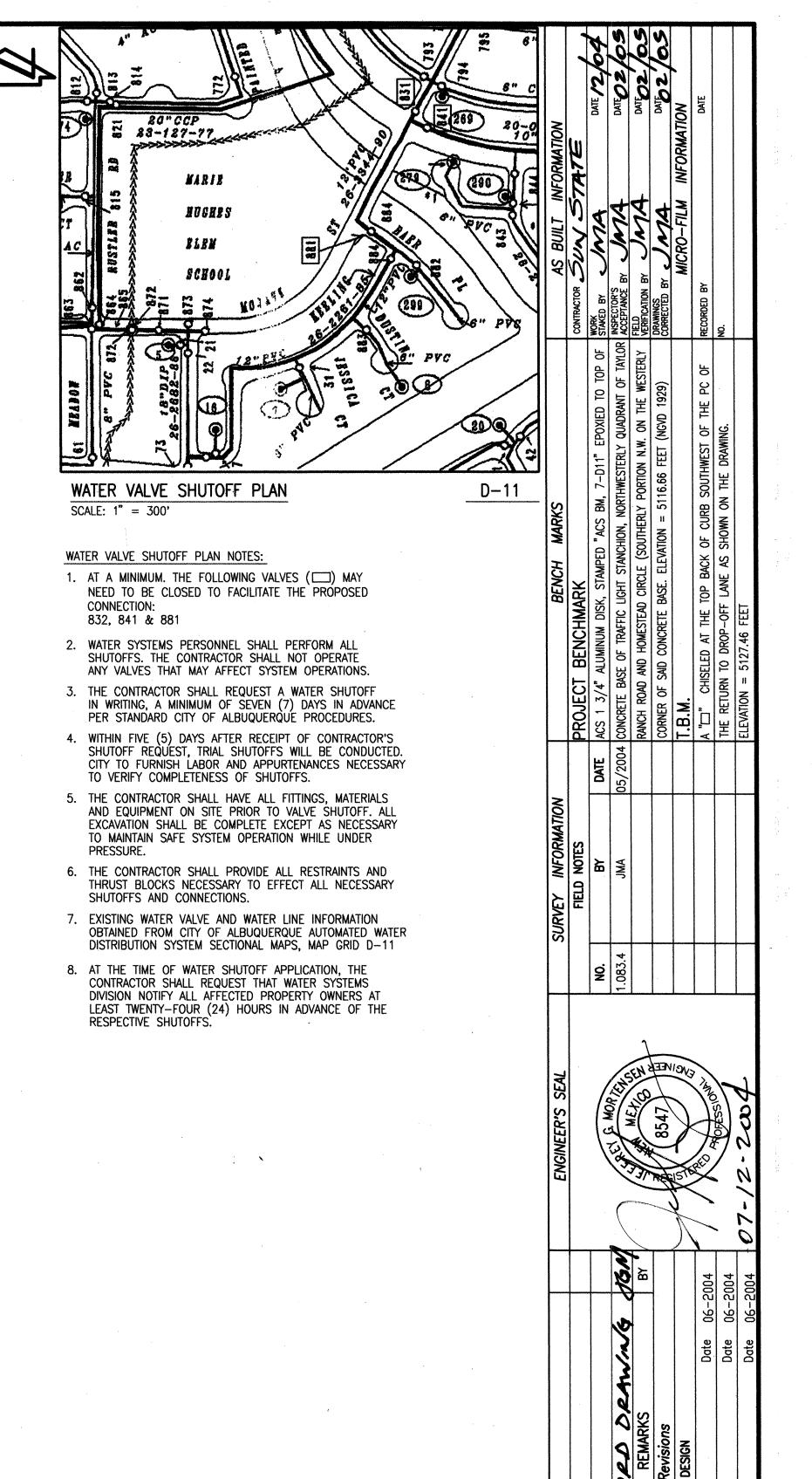
TYPICAL BOLLARD SECTION SCALE: 1'' = 2' - 0''



TYPICAL PRIVATE PAVING UTILITY CUT & PAVEMENT REPLACEMENT SECTION



TYPICAL CONCRETE PAVEMENT/SIDEWALK SECTION SCALE: 1" = 5"



A RECORD DRAWING

JEFF MURTENSEN & ASSUCIATES, INC.

| 6010-B MIDWAY PARK BLVD. N.E.

| ALBUQUERQUE | NEV MEXICO 87109

| ENGINEERS | SURVEYURS (505) 345-4250

| FAX: (505) 345-4254 | ESTABLISHED 1977

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

MARIE HUGHES ELEMENTARY SCHOOL
WATER VALVE SHUTOFF PLAN; SECTIONS & DETAILS

Design Review Committee PPROVE AUG 1 8 2003 DESIGN	CITY ENGINEER	Last Design Update	Mo./Day/Yr.		Mo./Day/\fr.
REVIEW COMMITTEE	L J. L. LITOITELIT	J -			
City Project No. 74	1381 Zone M	ap No. — 1 1	Sheet	6	of 6