CITY OF ALBUQUERQUE

PUBLIC FIRE HYDRANT INSTALLATION PROCEDURE

The following procedure has been established to expedite the installation of fire hydrants required as a result of a subdivision or a service request and to insure proper record keeping.

This procedure eliminates the need for a design by a licensed professional engineer, the processing of a SIA, and the need for a formal DRC and Work Order Process. It is intended for use only when no other construction of public infrastructure is required and the City Engineer/Utility Development determines that the normal design, review, and Work Order Process is not required. This procedure is for construction within or adjacent to local streets.

A. Owner or contractor: submit plans using the attached City Standard format to the City Engineer/Utility Development at One Stop (Plaza del Sol, 600 2nd St. NW) for review and approval. Plans must include: Zone Atlas pg number, legal description, and location of fire hydrant(s) relative to nearest property corner or intersection. Must provide: one set of original mylars, 4 copies of the originals, and a fee of $150 (checks only) FOR EACH hydrant or fire line. Provide name & phone no. of Contractor, Designer/Engineer, and name and phone no. of the Owner of the Project. Provide Shut-Off Plan if required.

B. City Engineer/Utility Development will obtain new project number from the DRC Master Scheduler.

C. City Engineer/Utility Development will forward the approved plan to Construction Division for review and to assign a city inspector to the project.

D. Construction Division will forward a copy of the approved plan to the owner or owner's contractor. Prior to construction, the contractor must obtain the necessary permits from the City, County and/or Village. A copy of the approved design must accompany the request for a permit. The contractor must be properly licensed and bonded to do work on the City Water System. This must be verified through the City's Permits office.

E. Any soil compaction, asphalt, concrete, or any material testing required by the standard specifications shall be done by the contractor at no expense to the City.

F. Upon construction of the fire hydrant the contractor will obtain the city inspector's approval of the construction, the Inspector will sign the original which will then be forwarded to the Maps & Records Division for As-Built processing.

G. The Construction Engineer will provide the City Engineer/Utility Development and DRC Master Scheduler written certification that the construction has been completed and accepted.

H. If the construction does not pass inspection and a revised design is required, then steps "A-E" must be reinstated. No plat will be signed or meter released until the construction has been accepted by the Construction Division.

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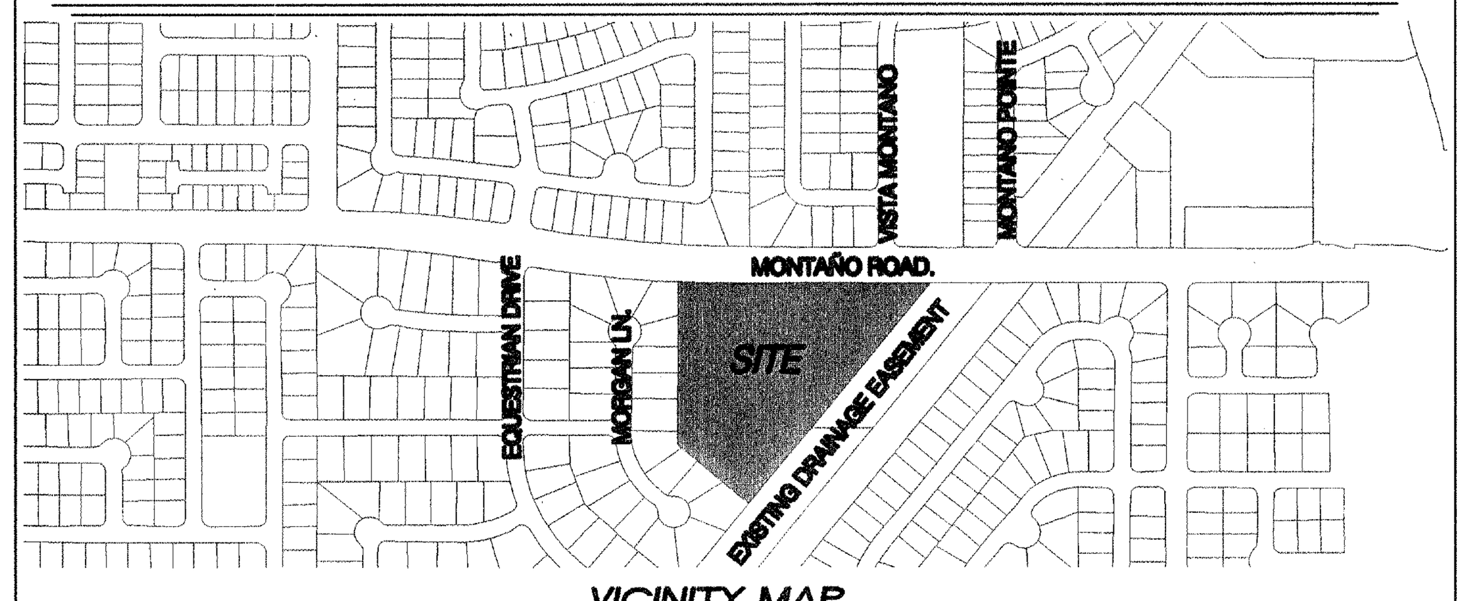
SCANNED BY PLANNING

26-2658.P21-07

CITY OF ALBUQUERQUE

PUBLIC FIRE HYDRANT INSTALLATION



VICINITY MAP

LEGAL DESCRIPTION OF PROPERTY AND ADDRESS:

NOTICE TO CONTRACTORS

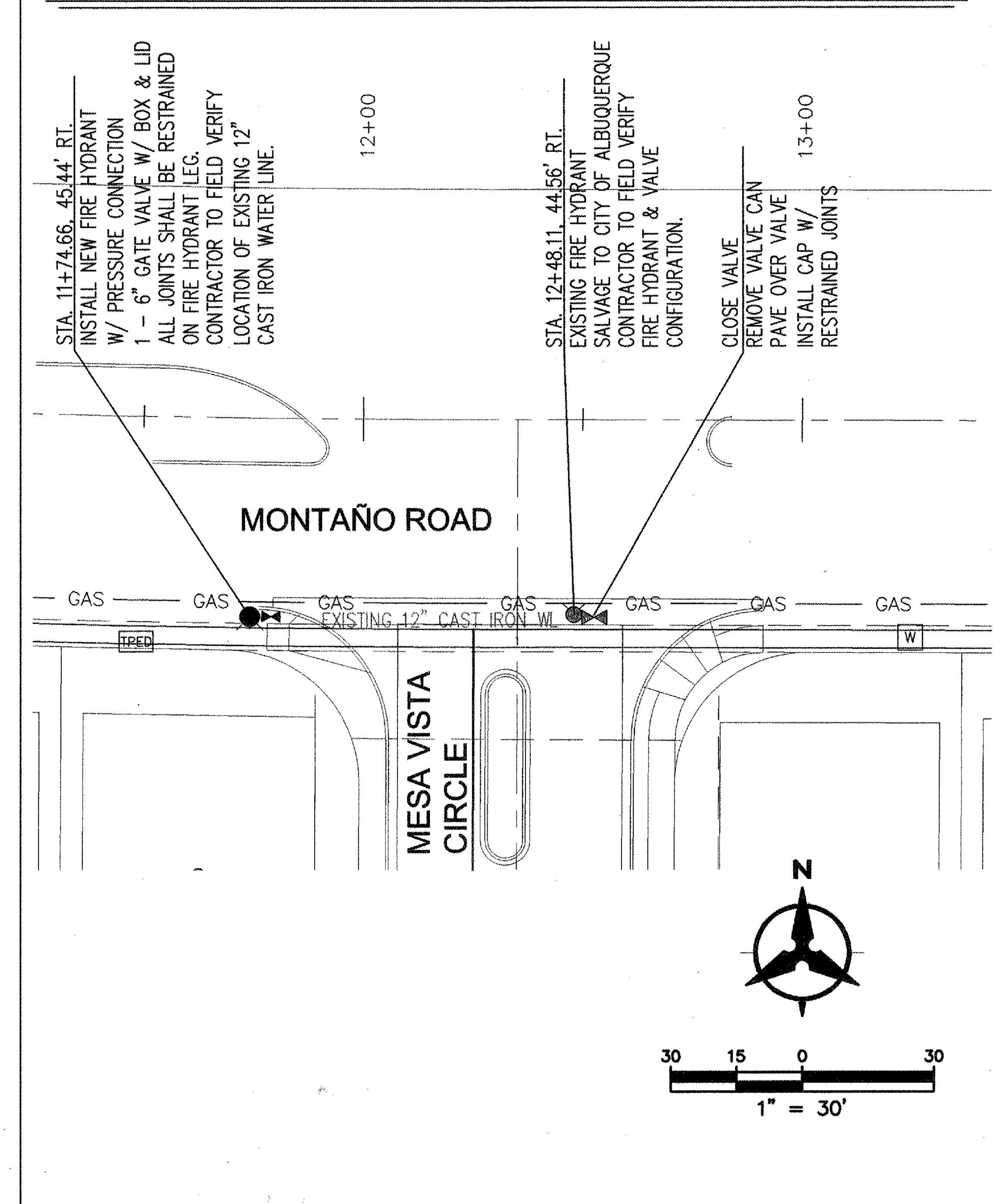
1. An excavation/barricade permit will be required before beginning any work within City, County, or Village right-of-way. An approved copy of these plans must be submitted at the time of application for these permits.
2. All work detailed on these plans to be done, except as otherwise stated or provided hereon, will be constructed in accordance with "City of Albuquerque Interim Standard Specification for Public Works Construction, 1986," latest revision.
3. Two working days prior to any excavation, the contractor must contact New Mexico One Call System, Inc., 260-1990, for location of existing utilities.
4. Prior to construction, the contractor will excavate and verify the horizontal and vertical locations of all construction. Should a conflict exist, the contractor will notify the Construction Engineer so that the conflict can be resolved with a minimum amount of delay.
5. The contractor will be responsible for coordinating the water shutoff with the Water Division seven (7) working days prior to construction.
6. The contractor will be responsible for performing soil density tests as required by the City of Albuquerque.

APPROVALS FOR	NAME	DATE	TITLE OF PROJECT:	
DESIGN: UTILITY DEVELOPMENT	William J. Balch	11-15-05	MONTANO ROAD FIRE HYDRANT RELOCATION	
CONSTRUCTION: CONSTRUCTION ENGINEER	APPROVED AS RECORD DRAWINGS DESIGN REVIEW SECTION CITY CONSTRUCTION ENGINEER		APPROVED AS RECORD DRAWINGS DESIGN REVIEW SECTION CITY CONSTRUCTION ENGINEER James [signature] DATE 1/26/07	
ACCEPTANCE: CONSTRUCTION INSPECTOR	DATE Henry A. Blair	01-25-07	PROJECT NO. 765882	ZONE ATLAS E-11-Z

hydrant1.dwg

CITY OF ALBUQUERQUE

PUBLIC FIRE HYDRANT INSTALLATION
SITE DETAIL



PROJECT NO.	ZONE ATLAS	TITLE:
765882	E-11-Z	MONTANO ROAD FIRE HYDRANT RELOCATION

hydrant2.dwg

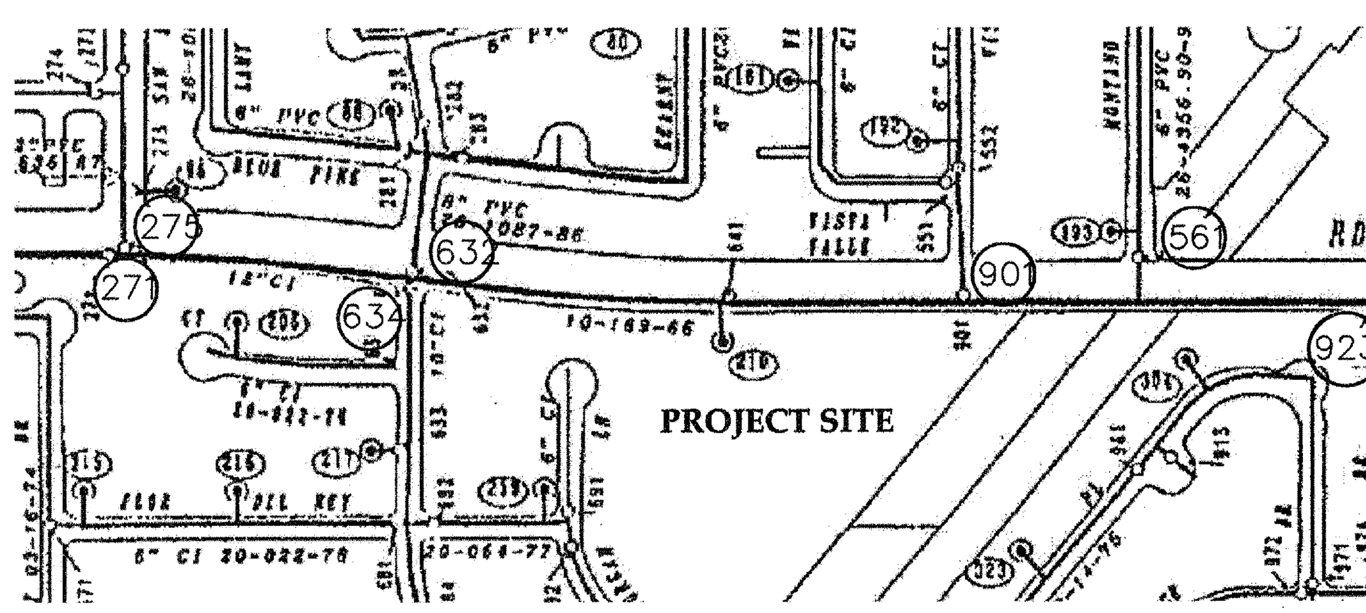
CONTACTS

CONTRACTOR: SALLS BROTHERS, FRED SALLS, 873-8780

ENGINEER: BOHANNAN HUSTON, SCOTT STEFFEN, 823-1000

OWNER: JUDE BACA, 831-2264

765882



WATER SHUT-OFF PLAN:

FOR CONNECTION	VALVE CLOSED
ALONG MONTANO BLVD.	#271, 275, 634, 632, 901, 561, & 923

CONTRACTOR WILL BE RESPONSIBLE FOR FLUSHING, DISINFECTING, AND TESTING THE LINES AS REQUIRED BY THE CITY OF ALBUQUERQUE.

WATER SHUT-OFF REQUIREMENTS:

CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUCTION WITH THE COMPLETION OF CONNECTIONS. AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE CITY OF ALBUQUERQUE (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN. CONTRACTOR SHALL NOT OPERATE VALVES ON THE PROJECT.

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November 08, 2005 - 2:49pm

CITY OF ALBUQUERQUE

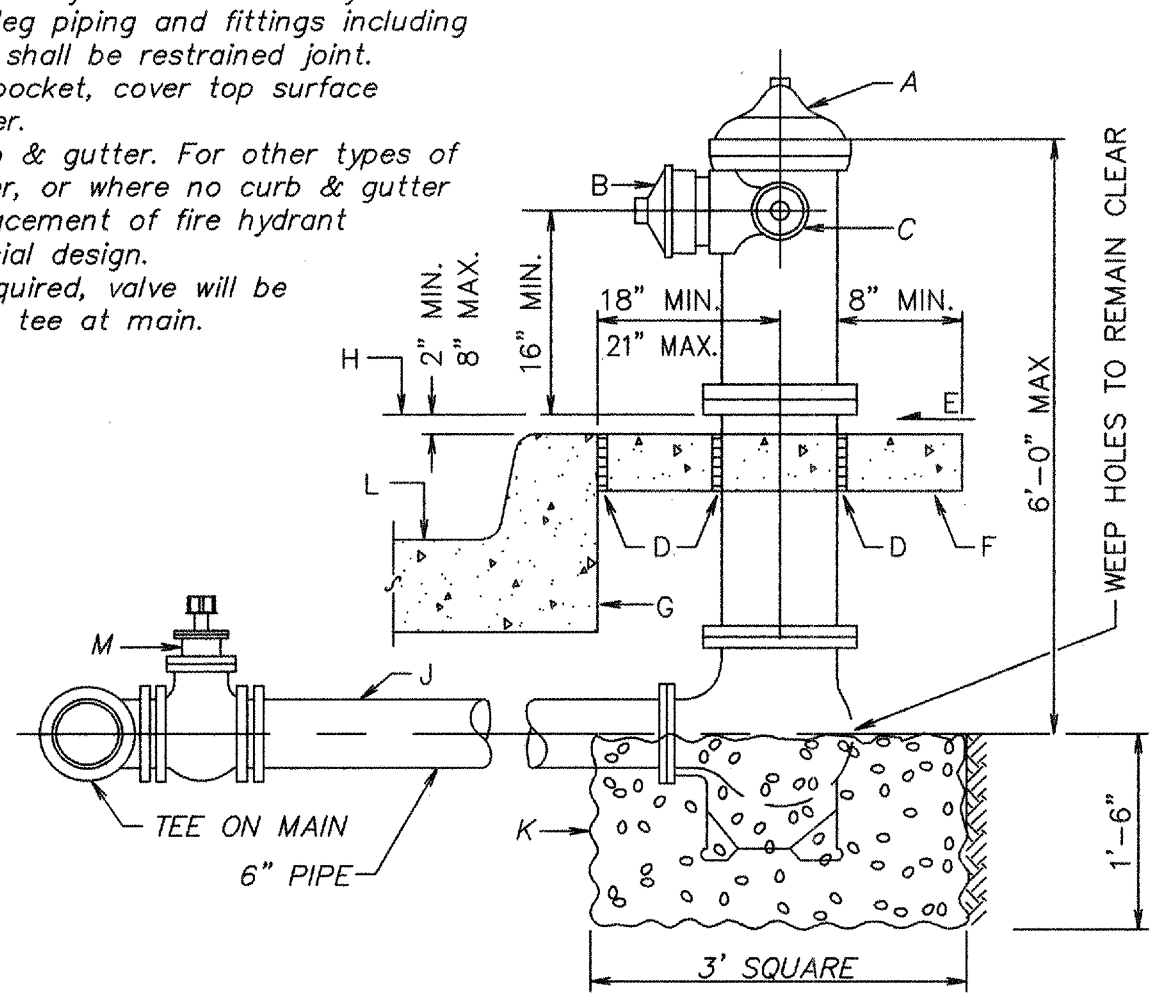
PUBLIC FIRE HYDRANT INSTALLATION
STANDARD DRAWING 2340-A

GENERAL NOTES

1. No obstruction will be permitted within 3'-0" of fire hydrant.
2. Hydrant leg shall be valved from mains 10" diameter and larger and in arterial streets located in commercial areas.
3. Contractor shall be responsible for setting top flange of fire hydrant to the dimensions shown.
4. For fire hydrant locations, see dwg. 2347-A.
5. When new or existing sidewalk abuts curb, reconstruct sidewalk per dwg. 2430, 2431.
6. Pumper nozzle to be set facing the traveled way, unless otherwise noted on plans.

CONSTRUCTION NOTES

A. Fire hydrant per specifications
B. Pumper nozzle 4 1/2"
C. Hose nozzle 2 1/2"
D. 1/2" expansion joint material
E. Slope 1/4" per foot
F. 3' x 3' x 6" concrete square pad, to be constructed around fire hydrant's centerline when not located within sidewalk or concrete area.
G. Back of curb
H. Controlled elevation line, level in all directions.
J. Use of restrained joints is mandatory. All fire hydrant leg piping and fittings including tee on main shall be restrained joint.
K. Gravel drain pocket, cover top surface with tar paper.
L. Standard curb & gutter. For other types of curb & gutter, or where no curb & gutter exist, the placement of fire hydrant requires special design.
M. If valve is required, valve will be connected to tee at main.



DETAIL OF FIRE HYDRANT SETTING

PROJECT NO.	ZONE ATLAS	TITLE:
765882	E-11-Z	MONTANO ROAD FIRE HYDRANT RELOCATION

hydrant3.dwg

CITY OF ALBUQUERQUE

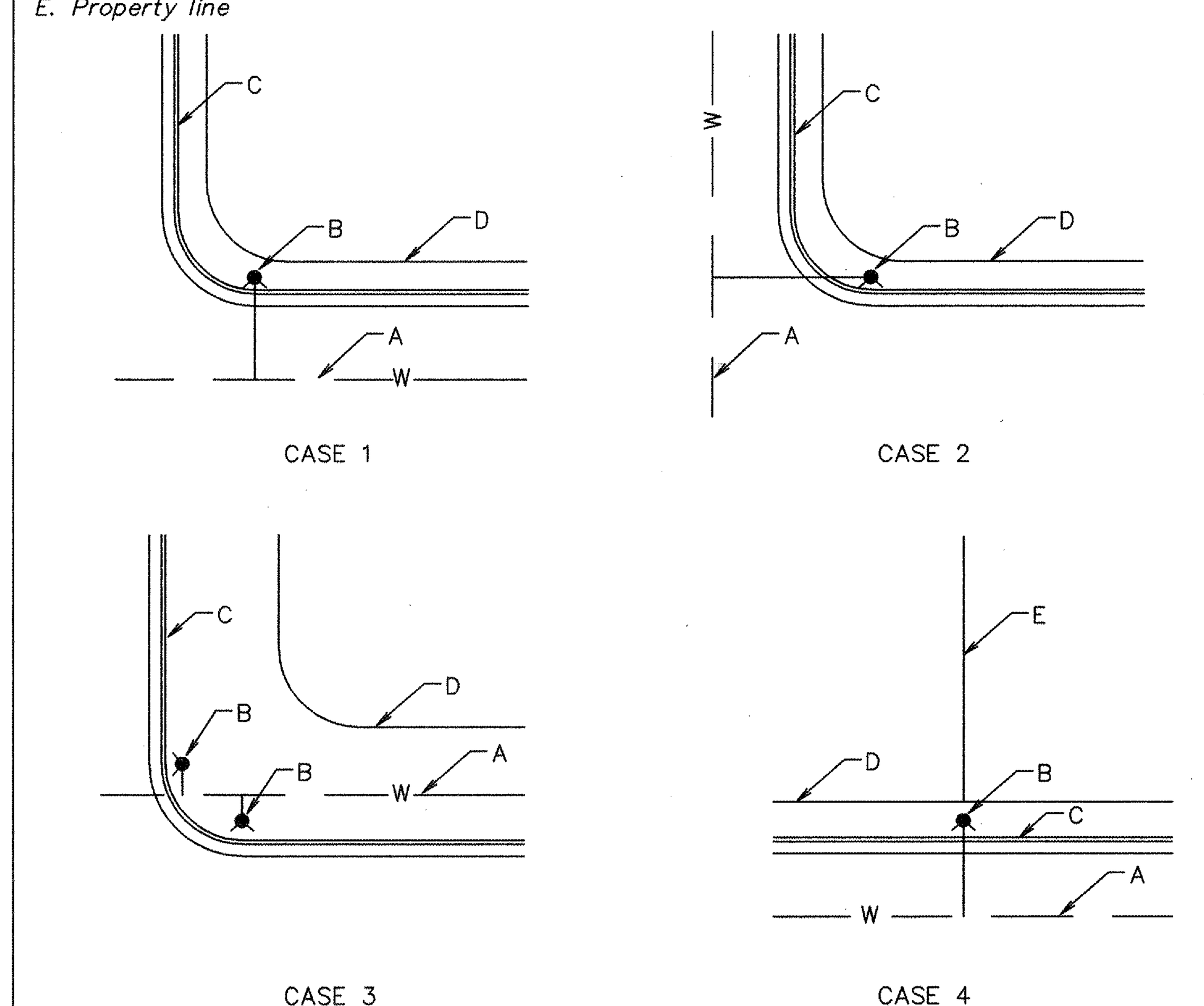
PUBLIC FIRE HYDRANT INSTALLATION
STANDARD DRAWING 2347-A

GENERAL NOTES

1. Normally, fire hydrants are located at end of curb return; hydrants will not be located within the curb return area. Fire hydrants to be located within the block length will be installed at a property line (Case 4).
2. A minimum clearance of 3'-0" will be provided between a fire hydrant and a permanent obstruction (utility pole, light standard, traffic signal, etc.).
3. For installation of fire hydrant, see dwg 2340-A.
4. See dwg 2431 for sidewalk configuration when fire hydrant is located in sidewalk.

CONSTRUCTION NOTES

A. Water main
B. Fire hydrant
C. Curb and gutter
D. Right-of-way line
E. Property line



TYPICAL LOCATIONS

PROJECT NO.	ZONE ATLAS	TITLE:
765882	E-11-Z	MONTANO ROAD FIRE HYDRANT RELOCATION

hydrant4.dwg

AS-BUILT INFORMATION: CONTRACTOR / DATE; WORK STAKED BY / DATE; INSPECTOR'S ACCEPTANCE BY / DATE; FIELD VERIFICATION BY / DATE; DRAWINGS CORRECTED BY / DATE

MICROFILM INFORMATION: RECORDED BY / DATE; NO.

BENCH MARKS

SURVEY INFORMATION: FIELD NOTES — NO. / BY / DATE

ENGINEER'S SEAL: SCOTT A. STEFFEN, NEW MEXICO, 14664, REGISTERED PROFESSIONAL ENGINEER — 11/9/05

No.	Date	REMARKS	By
		REVISIONS	
		DESIGN	

Designed By: DATE:
Drawn By: DATE:
Checked By: DATE:

Bohannan ▲ Huston Inc.
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

MONTANO ROAD FIRE HYDRANT RELOCATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
765882	E-11		