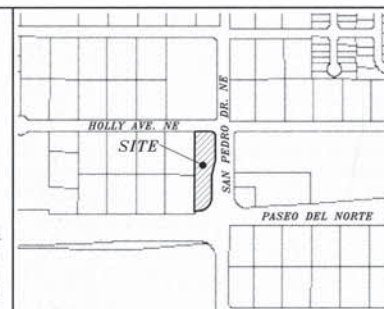


20-7534-101-2012

SCANNED BY
PLANNING

CONSTRUCTION PLANS FOR LOT 16-A, BLK 18, TR A, UNIT B, NAA

STORM SEWER IMPROVEMENTS CITY OF ALBUQUERQUE, NEW MEXICO DECEMBER 2004



VICINITY MAP ZONE ATLAS C-18-2

NOTICE TO CONTRACTORS

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 (240-1990) 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. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE (TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION). THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
6. ALL STREET STRIPS ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATIONS 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 DESTROY PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DESTROYED 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 DESIGNER'S EXPENSE.
8. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUDED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUDED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
9. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE BARRICADED IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART F.

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 DESIGN ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURN SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEEPER FOR A DRIVEWAY, THE DRIVEWAY SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

SHEET INDEX

1. STORM SEWER IMPROVEMENTS
2. FIRE HYDRANT, WATER, AND SEWER SERVICE IMPROVEMENTS

RECORD DRAWING

I, SHAHAR BLAZAR, OF THE FIRM OF "ADVANCED ENGINEERING AND CONSULTING, 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. NOTED BY ME ON THE AS-BUILT CONSTRUCTION DRAWINGS PERSONNEL UNDER MY DIRECTION AND SURVEY INFORMATION PROVIDED BY LEONARDO MARTINEZ OF ADVANCED ENGINEERING, NMP# NO. 13479.

SHAHAR BLAZAR, PE
NMP# NO. 13479
DATE 2-3-04
Advanced Eng. & Cons., LLC

LEGEND

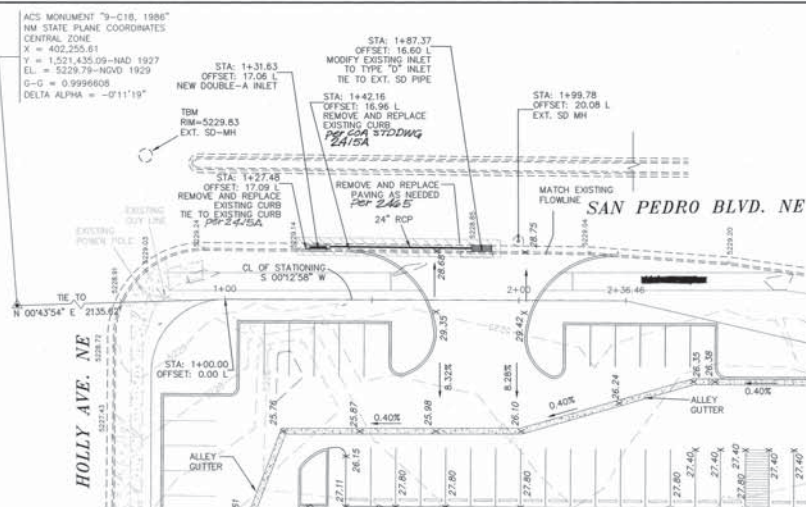
- EXISTING SAS MANHOLE
- EXISTING SD MANHOLE
- EXISTING METER
- EXISTING VALVE W/BOX
- EXISTING FIRE HYDRANT
- NEW STORM SEWER LINE
- EXISTING CURB & GUTTER
- EXISTING CURB & GUTTER
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- BOUNDARY LINE
- PROPOSED GRADE
- PROPOSED SPOT ELEVATION
- EXISTING GRADE
- TYPE "D" INLET
- DOUBLE "A" INLET

APPROVED AS RECORDED DRAWINGS
DESIGN REVIEW SHEET
CHECKED BY: [Signature]
DATE: 02/01/04
Not As-Built drawings

For Information Only

BENCH MARKS

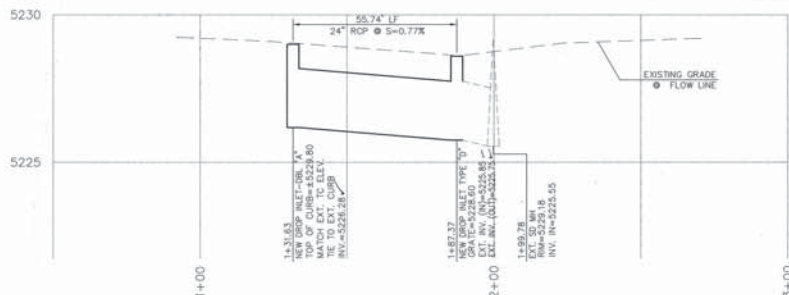
ACS "9-C18", TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND LOUISIANA BLVD. GO 5.8 MI. NORTH ON LOUISIANA TO WILSHIRE THEN 0.5 MI. TO SAN PEDRO. CENTRAL STATION DATA
NM STATE PLANE COORDINATES
X = 402,255.61
Y = 1,521,435.09-NAD 1927
G-G = 0.9996608
DA = -0'11"19"
ELEV=5229.79-NGVD 1929



NOTE: STATIONING IS PROPERTY LINE STATIONING.
STORM SEWER
STA: 1+00.00 TO 2+36.00

SCALE: HORIZ. 1"=20'
VERT. 1"= 2'

ELEVATIONS ARE NGVD 29



GRAPHIC SCALE



SCALE: 1"=20'

DRB CASE NUMBER 1003299



4415 ANABERN AVE. NE
ALBUQUERQUE, NEW MEXICO 87113
(505)899-5570

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		SRC. Chairman		<i>[Signature]</i>		12-23-04	
		Transportation		<i>[Signature]</i>		12/23/04	
		Water/Wastewater		<i>[Signature]</i>		12/23/04	
		Hydrology		<i>[Signature]</i>		12/23/04	
		GLP		<i>[Signature]</i>		12-23-04	
		Const. Coord.		<i>[Signature]</i>		12-23-04	
CITY PROJECT NO.		753481		SHEET		1 OF 2	
				APPROVED FOR CONSTRUCTION		<i>[Signature]</i> Date: 12/23/04	
				City Engineer		Date:	

CITY OF ALBUQUERQUE
PUBLIC FIRE HYDRANT INSTALLATION

VICINITY MAP

LEGAL DESCRIPTION OF PROPERTY AND ADDRESS:
LOT 16-A, BLOCK 18, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES,
CONTAINING ±1.0800 ACRES MORE OR LESS.
SITE ADDRESS: 8101 SAN PEDRO DR. NE.

NOTICE TO CONTRACTORS

1. An excavation/baricade 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 herein, 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 shut-off 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			PUBLIC FIRE HYDRANT
UTILITY			8101 SAN PEDRO DR. NE
CONSTRUCTION			
ENGINEER			
ACCEPTANCE			
CONSTRUCTION			
INSPECTOR			

PROJECT NO.	ZONE ATLAS
SHEET 1 OF 5	C-18-2

CITY OF ALBUQUERQUE
PUBLIC FIRE HYDRANT INSTALLATION
SITE DETAIL

COA STANDARD DRAWING NUMBERS

- 1- WATER METER SERVICE LINE INSTALLATION PER COA STD. DWG 2363.
- 2- WATER METER BOX INSTALLATION PER COA STD. DWG 2361.
- 3- WATER METER BOX PER COA STD. DWG 2367.
- 4- FIRE HYDRANT PER COA STD. DWG 2340, FULLY RESTRAINED.
- 5- SAS SVC LINE CONNECTION TO MAIN PER COA STD. DWG 2125 4" SAS SVC.
- 6- GATE VALVE PER COA STD. DWG 2335, 2339 & 2461.

PROJECT NO.	ZONE ATLAS	TITLE
SHEET 2 OF 5	C-18-2	

CITY OF ALBUQUERQUE
PUBLIC FIRE HYDRANT INSTALLATION
STANDARD DRAWING 2340

GENERAL NOTES

1. No obstruction will be permitted within 3'-0" of fire hydrant.
2. Hydrant leg shall be valued from main 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.
5. When new or existing sidewalk abuts curb, reconstruct sidewalk per dwg. 2430, 2431.
6. Pumping nozzle to be set facing the traveled way, unless otherwise noted on plans.

CONSTRUCTION NOTES

- A. Fire hydrant per specifications.
- B. Pumping 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.
- I. Use of restrained joints is mandatory. All fire hydrant leg piping and fittings including tee on main shall be restrained joint.
- J. Gravel drain pocket, cover top surface with tar paper.
- K. 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
SHEET 3 OF 5	C-18-2	

CITY OF ALBUQUERQUE
PUBLIC FIRE HYDRANT INSTALLATION
STANDARD DRAWING 2347

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.
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
SHEET 4 OF 5	C-18-2	

CITY OF ALBUQUERQUE
PUBLIC FIRE HYDRANT INSTALLATION
SITE DETAIL

WATER SHUTOFF NOTES:

1. ONLY C.O.A. WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN.
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF VALVES INDICATED ON THE PLAN BELOW (→) 821, 841.

WATER SHUTOFF PLAN

PROJECT NO.	ZONE ATLAS	TITLE
SHEET 5 OF 5	C-18-2	



For Information Only



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOT 16-A, BLK 18, TR A, UNIT B, NAA
FIRE HYDRANT, WATER, AND SEWER SERVICE IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. / DATE / FR.	NO. / DATE / FR.
JAN - 3 2016			

CITY PROJECT NO. 753481 **ZONE MAP NO.** C-18-2 **SHEET** 2 **OF** 2

ENGINEER'S SEAL

AS BUILT INFORMATION

SURVEY INFORMATION

DATE 12-04
BY 58
REMARKS REVIEWS
DESIGN 58
DATE 12-04
CHECKED BY 58
DATE 12-04