

DRAINAGE INFORMATION SHEET

Lot 11

PROJECT TITLE: Volcano Business Park ZONE ATLAS/DRNG. FILE #: _____DRB #: 95-220 EPC #: _____ WORK ORDER #: _____LEGAL DESCRIPTION: Lot 11, VOLCANO BUSINESS PARKCITY ADDRESS: 7700 OURAY ROAD NW ALBUQ N.M. 87120ENGINEERING FIRM: Lynn Engineering & Surveying CONTACT: Dennis Lynn orADDRESS: 02 Chaparral Lane Perimeter PHONE: Robby Robinson 869-3548OWNER: Robinson Const. Co. Inc CONTACT: Robby RobinsonADDRESS: 7700 Ouray Rd NW PHONE: 833-1840

ARCHITECT: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER _____

PRE-DESIGN MEETING:

- ☐ YES
☐ NO
☐ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ SUBDIVISION CERTIFICATION
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 5/8/97BY: Robby Robinson



Martin J. Chávez, Mayor
May 8, 1997

Robert E. Gurulé, Director

Dennis Lynn
Lynn Engineering & Surveying
02 Chaparral Lane
Peralta, New Mexico 87042

RE: REVISED DRAINAGE PLAN FOR LOT 11 VOLCANO BUSINESS PARK
(G10-D29C) REVISION DATED 5/6/97

Dear Mr. Lynn:

Based on the information provided on your May 7, 1997 resubmittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.


Also, a separate permit is required for construction within City R/W. A copy of this approval letter must be on hand when applying for the excavation permit.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If I can be of further assistance, please feel free to contact me at 924-3986.

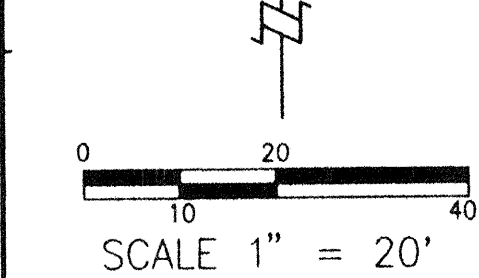
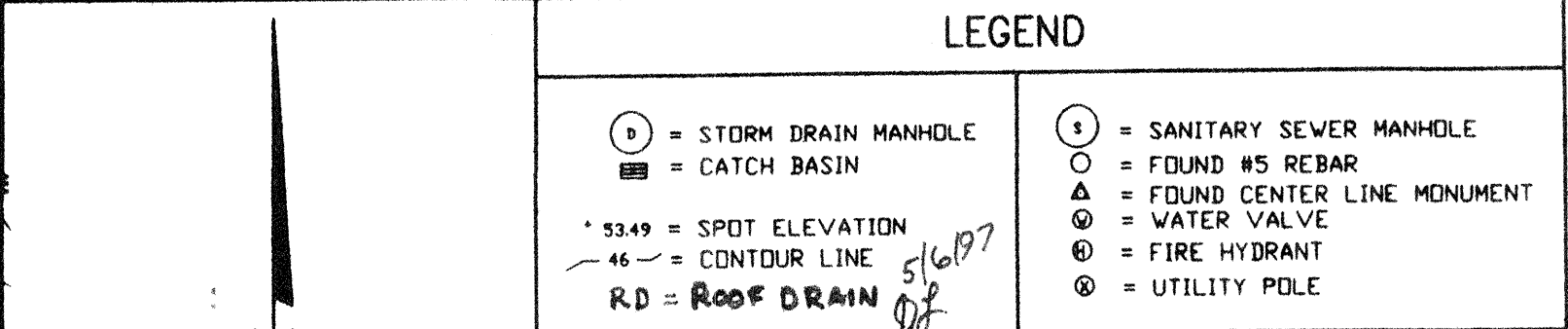
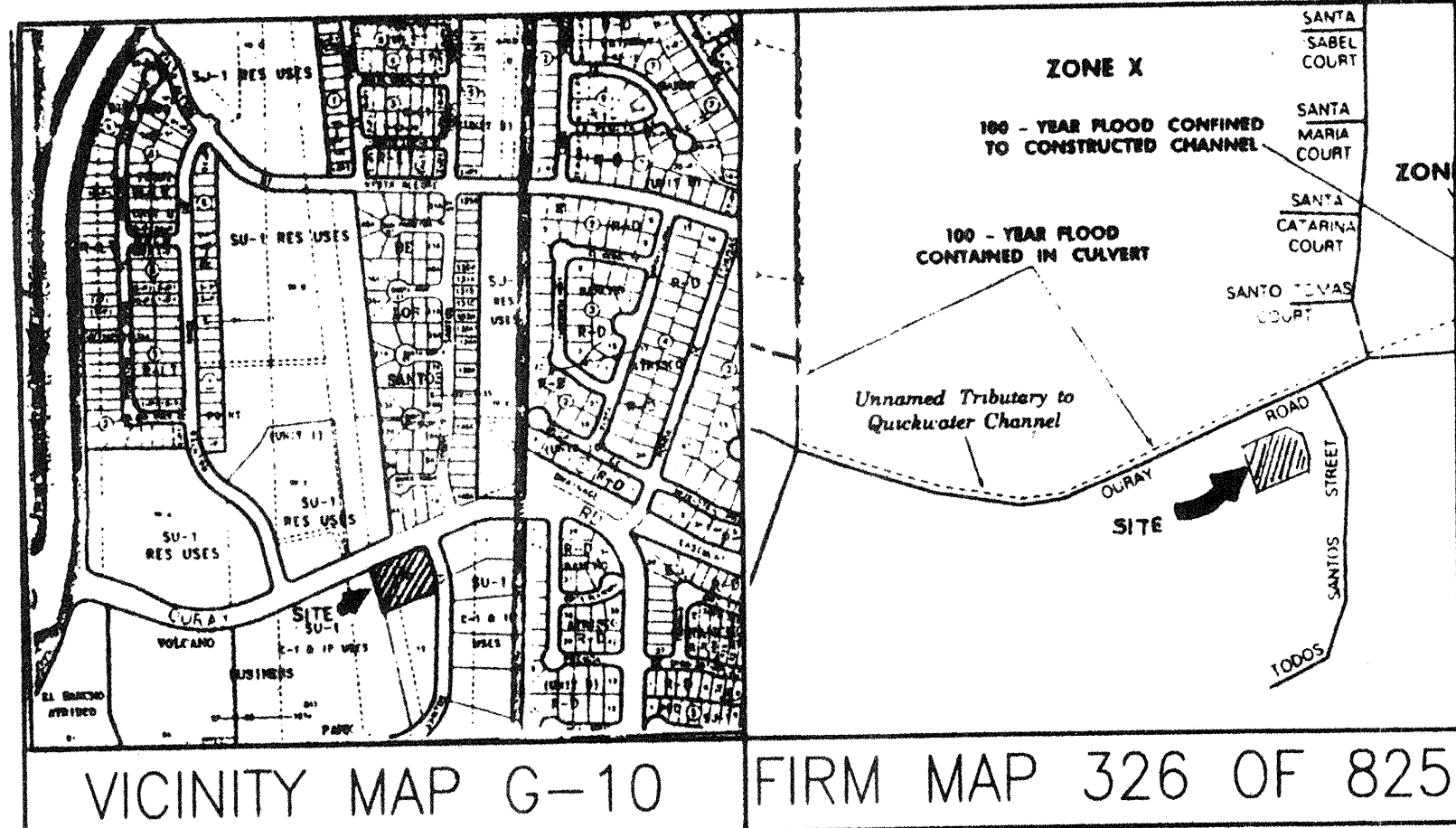
C: Andrew Garcia
Arlene Portillo
File

Sincerely


Bernie J. Montoya CE
Associate Engineer

Good for You, Albuquerque!

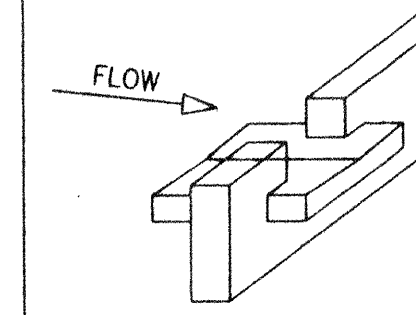




RUNDOWN @ HEADER CURB

SCALE 1" = 5'

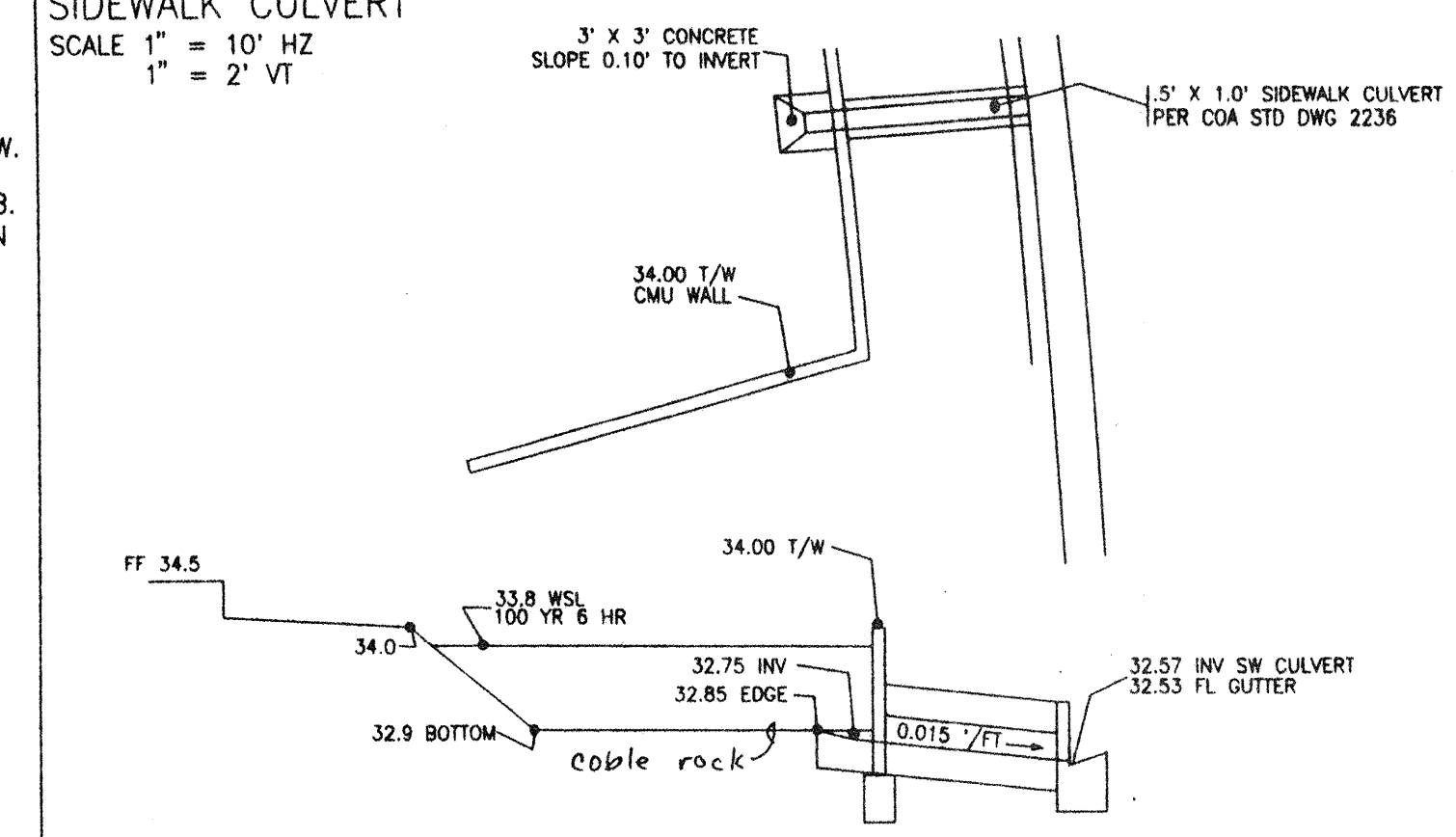
- SLOPE 1/4" PER FOOT PARALLEL TO FLOW.
- FORM 1/2" INVERT TO MIDDLE OF PAD.
- POUR MONOLITHICALLY WITH HEADER CURB.
- 4" THICK CONCRETE PAD EXTENDS 6" MIN BEYOND OPENING.



SIDEWALK CULVERT

SCALE 1" = 10' HZ

1" = 2' VT



DRAINAGE PLAN

EXISTING

THE 1.044 ACRE SITE IS LOCATED ON THE SOUTH SIDE OF OURAY ROAD ON THE WEST SIDE OF TODOS SANTOS STREET, IN ALBUQUERQUE, NEW MEXICO. THE PROPERTY IS CURRENTLY UNDEVELOPED. THE SITE DRAINAGE IS TO THE NORTHEAST. ALL FLOWS ARE SHEET FLOWS. THIS PROPERTY CURRENTLY ACCEPTS MINOR NUISANCE FLOWS FROM OFF SITE ACROSS THE WEST PROPERTY LINE, AND DISCHARGES MINOR FLOWS TO TODOS SANTOS STREET.

PROPOSED

AN OFFICE BUILDING AND STORAGE IS PROPOSED. ALL STORM RUNOFF WILL BE DIRECTED TO THE SOUTHEAST CORNER OF LOT 11 AND DISCHARGED AT 2.48 CFS OR LESS. THE SITE IS TREATED HEREIN AS ONE DRAINAGE BASIN. THERE WILL BE MINOR FLOWS TO THE CONCRETE CHANNEL ALONG THE SOUTH LINE AND FROM THE LANDSCAPING TO THE STREET AT THE NORTHEAST CORNER. THE FLOOD INSURANCE RATE MAP (COMMUNITY PANEL 35001C0326 D DATED SEPTEMBER 20, 1996) INDICATES THAT THE LOT IS IN ZONE X.

THE SITE WILL BE GRADED TO DRAIN TO A POND AT THE SOUTHEAST CORNER. THE PROPOSED POND WILL DISCHARGE THE RUNOFF THROUGH A NEW SIDEWALK CULVERT TO THE EXISTING DROP INLETS IN THE STREET, WHILE TEMPORARILY RETAINING ANY RUNOFF IN EXCESS OF 2.48 CFS. THE APPROVED MASTER DRAINAGE STUDY SHOWS AN ALLOWABLE MAXIMUM DISCHARGE OF 2.6 CFS FOR LOT 11. THE ENTIRE SITE WILL BE ULTIMATELY BE PAVED OR LANDSCAPED, THE DRAINAGE CALCULATIONS HEREON WERE DONE BASED ON THE FINAL CONFIGURATION OF THE SITE NOT ON PHASED IMPROVEMENTS. THERE WILL BE AN EARTH BERM ALONG THE WEST LINE TO DIRECT OFF SITE NUISANCE FLOWS NORTH TO OURAY ROAD AND SOUTH TO THE EXISTING DESILTING POND (TOTAL OFF SITE AREA 1/2 ACRE, VOLUME 826 CU FT, 0.6735 CFS BASED ON THE 100 YEAR 6 HOUR STORM).

CALCULATION INFORMATION

- THE DESIGN STORM USED FOR THESE CALCULATIONS IS BASED ON THE 100 YEAR 6 HOUR STORM. THE DATA IS OBTAINED FROM NOAA ATLAS 2, VOLUME IV, FIGURE 24. THE DEPTH OF RAINFALL IS 2.22" FOR THIS STORM.
- THE AHYMO392 PROGRAM PROVIDED BY AMAFCA WAS USED TO CALCULATE THE DATA (SEE ATTACHED EXHIBITS). THE INPUT DATA WAS DETERMINED IN ACCORDANCE WITH SECTION 22.2, HYDROLOGY OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM).

TC CALCULATIONS

LENGTH = 240 FEET
SLOPE = 0.0270833 FT/FT
CONVEYANCE - K FACTORS USED: 5% K=0.7; 95% K=1.0
TP=0.0276 HOURS CALCULATED, TP = 0.1333 HOURS USED AS MINIMUM TC=2 HRS
DESIGN STORM 100 YEAR 6 HOUR 2.22"
FACTORS USED ARE TREATMENT A 0%, B 14.075%, C 0%, D 85.925%

DEVELOPED	SIZE	IMPERVIOUS	P100YR6HR	VOL100	DISCHARGE	AREA
		%			PEAK CFS	
1.044 AC	86%	2.22"	0.1568 AC FT	4.30	0.0016 SQ MI	
			6830 CF			

UNDEVELOPED	SIZE	IMPERVIOUS	P100YR6HR	VOL100	DISCHARGE	AREA
		%			PEAK CFS	
1.044 AC	0%	2.22"	0.040 AC FT	1.41	0.0016 SQ MI	
			1742 CF			

NOTES:

- 18" WIDE RUNDOWN THROUGH HEADER CURB (SEE DETAIL).
- 3-4" PVC @ FLOW-LINE OF SWALE
- A. MAXIMUM RETAINED VOLUME 100YR6HR = 867 CUFT = 0.0199 AC FT
B. POND VOLUME @ 33.9 = 865 CUFT
POND VOLUME @ 33.9 = 1023 CUFT
- PROJECT BM = SQUARE @ TOP OF CURB S/SW RETURN
ELEVATION = 5133.62 BASED ON ACS MONUMENT 6-G10

- NOTICE TO CONTRACTOR**
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
 - ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 1986.
 - TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING UTILITIES.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
 - BACKFILL COMPACTION SHALL BE ACCORDING TO STREET USE.
 - MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

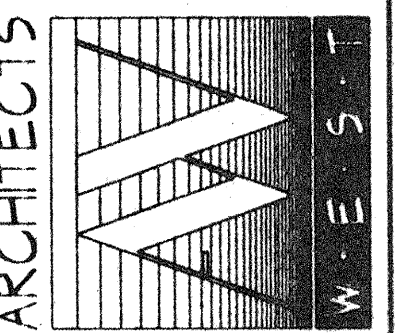
APPROVALS	NAME	DATE
A.C.E./DESIGN	5/8/97	
INSPECTOR		
A.C.E./FIELD		

LOT 11, VOLCANO BUSINESS PARK
GRADING & DRAINAGE PLAN
ALBUQUERQUE, NEW MEXICO

DL
03/31/97
950177
EP(9501761)

LYNN ENGINEERING & SURVEYING, INC.
02 CHAPARREL LANE
PERALTA, NEW MEXICO 87042
(505) 869-3548

ARCHITECTS WEST
3500 COMANCHE BLVD., NE
BUILDING A, SUITE 1
ALBUQUERQUE, NEW MEXICO 87107
(505) 888-8885
FAX (505) 881-0006



OFFICE AND STORAGE
FOR CODA ROBERSON HOMES
ALBUQUERQUE, NM
PROJECT NO: 5119

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No. Date Revision

Project:
OFFICE AND STORAGE
FOR CODA ROBERSON HOMES

Title:
SITE PLAN

Job No: 5119
Date: 16 MAY 95
Scale: AS NOTED
Checked By: BJ
Drawn By: SD
A - 1