

County of Bernalillo

State of New Mexico

BOARD OF COUNTY COMMISSIONERS

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2400 BROADWAY, S.E.
ALBUQUERQUE, NEW MEXICO 87102
PUBLIC WORKS (505) 848-1500

MARK CARRILLO, ASSESSOR
JUDY D. WOODWARD, CLERK
IRA ROBINSON, PROBATE JUDGE
JOE BOWDICH, SHERIFF
ORLANDO VIGIL, TREASURER

June 30, 2000

Larry D. Read, P.E.
Larry Read & Associates
12836-B Lomas NE
Albuquerque, New Mexico 87112

**RE: *Drainage Report and Grading and Drainage Plan for Rio Bravo Senior Center
Addition (PWDN 101) (P12/D15) Engineer's Stamp on Report Dated 6/14/00, Plan
Dated 6/13/00.***

Dear Mr. Read:

Based on the information provided, the above referenced plan dated June 13, 2000 is approved for Building Permit release.

The limits of the FEMA floodplain were not shown on the plan. Please show the FEMA floodplain limits on the certification plan. As you are aware, the Engineer's Certification is required prior to the issuance of the Certificate of Occupancy for this building.

If you have any questions, or if I may be of further assistance to you, please call me at 924-3982, or contact Brad Catanach at the County.

Sincerely,

A handwritten signature in cursive script, reading "Susan Calongne".

Susan M. Calongne, P.E.
City/County Floodplain Administrator

c: Brad Catanach, P.E., Bernalillo County Public Works Division
 Don Dixon, P.E., Albuquerque Metropolitan Arroyo Flood Control Authority
 File



Paula Dodge-Kwan
<pdkwan@mercury.be
rnco.gov>

06/28/00 03:19 PM

To: "'SCalongne@cabq.gov'" <SCalongne@cabq.gov>

cc:
Subject: RE: pwn 101

Susan,

I talked with Brad and he says that we do not need a new pond covenant to enlarge an existing pond

> -----Original Message-----

> From: SCalongne@cabq.gov [SMTP:SCalongne@cabq.gov]

> Sent: Tuesday, June 27, 2000 2:37 PM

> To: Paula Dodge-Kwan

> Subject: RE: pwn 101

>

>

> Paula,

> I'm ready to approve this site, however, does the County require a pond
> covenant before I can approve this? Typically we do, but since they're
> enlarging an existing pond, I'm not sure if you need another covenant. Let
> me know, ok?

> Susan

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Paula Dodge-Kwan

<pdkwan@mercury.b

> "'SCalongne@cabq.gov'"

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06/20/00 03:16 PM

To:

<SCalongne@cabq.gov>

cc:

Subject: RE: pwn 101

> Susan,

> It is the Senior Center at Rio Bravo. It is on zone page P-12-Z and it was
> submitted by Larry Read.

> Paula

> > -----Original Message-----

> > From: SCalongne@cabq.gov [SMTP:SCalongne@cabq.gov]

> > Sent: Monday, June 19, 2000 4:27 PM

> > To: Paula Dodge-Kwan

> > Subject: Re: pwn 101

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Paula Dodge-Kwan
<pdkwan@mercury.bernco.gov>

06/19/00 11:09 AM

To: "'scalongne@cabq.gov'" <scalongne@cabq.gov>

cc:
Subject: pwn 101

Susan,
Pwn 101 was okay with us, so if you don't have any comments we are ready for the approval letter to go out.

Thanks

Paula N. Dodge- Kwan

Paula N Dodge-Kwan, EIT
Bernillio County
Public Works Department
pdkwan@mercury.bernco.gov
(505) 848-1528

6-27-00

ok to approve

- show by limits on Cert.

Pond Covenant?



Donald Dixon
<donalddixon@usa.net>

To: <SCalongne@cabq.gov>

06/26/00 01:35 PM

cc:
Subject: PWDN 101

AMAFCA has no comment on this case.

Don

Get free email and a permanent address at <http://www.netaddress.com/?N=1>



Paula Dodge-Kwan
kwan@mercury.be
rncd.gov>

06/20/00 03:16 PM

City of Albuquerque
To: "SCalongne@cabq.gov" <SCalongne@cabq.gov>
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

cc:
Subject: RE: pwn 101

Susan,
It is the Senior Center at Rio Bravo. It is on zone page P-12-Z and it was submitted by Larry Read.

Paula

> -----Original Message-----

> From: SCalongne@cabq.gov [SMTP:SCalongne@cabq.gov]

> Sent: Monday, June 19, 2000 4:27 PM

> To: Paula Dodge-Kwan

> Subject: Re: pwn 101

>

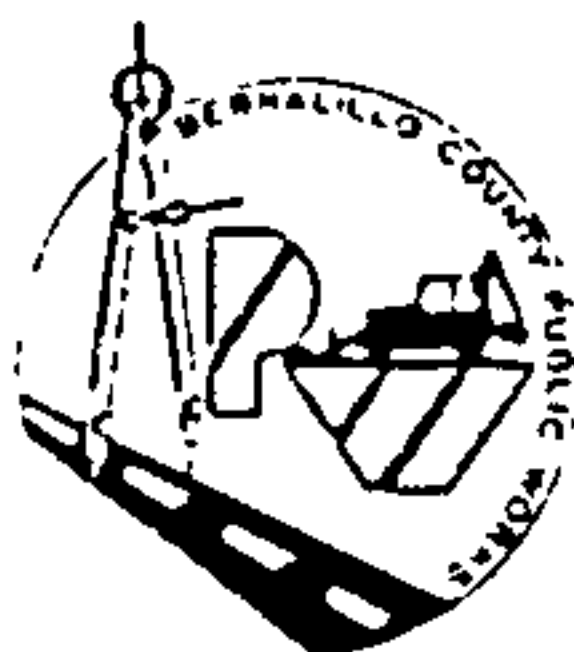
>

> I don't seem to have this submittal. What zone atlas page is it on?

> (that's

> how we file them here) Who is the engineer?

BERNALILLO COUNTY



PWCP 1036

SUSAN CHANGWE

PWD SUBMITTAL

Use for all PWD applications EXCEPT Street Excavation

☒ NEW SUBMITTAL

☐ RESUBMITTAL

☐ FINAL SIGNOFF

TODAY'S DATE: 6/14/2000

CASE NO PWD N 101

OWNER

OWNER BOARD OF EDUCATION	PHONE
MAILING ADDRESS Box 25704	CITY ALB ZIP 87125

P-12/D015

AGENT

AGENT / CONTRACTOR LARRY READ & ASSOC.	PHONE 237-8421
MAILING ADDRESS 12836-B LOMAS NE	CITY ALB ZIP 87112
STATE LICENSE NO	EXP DATE
VOLUME	CLASS
ARCHITECT/ENGINEER LARRY D. READ, PE	LICENSE NO 10998 PHONE 237-8421

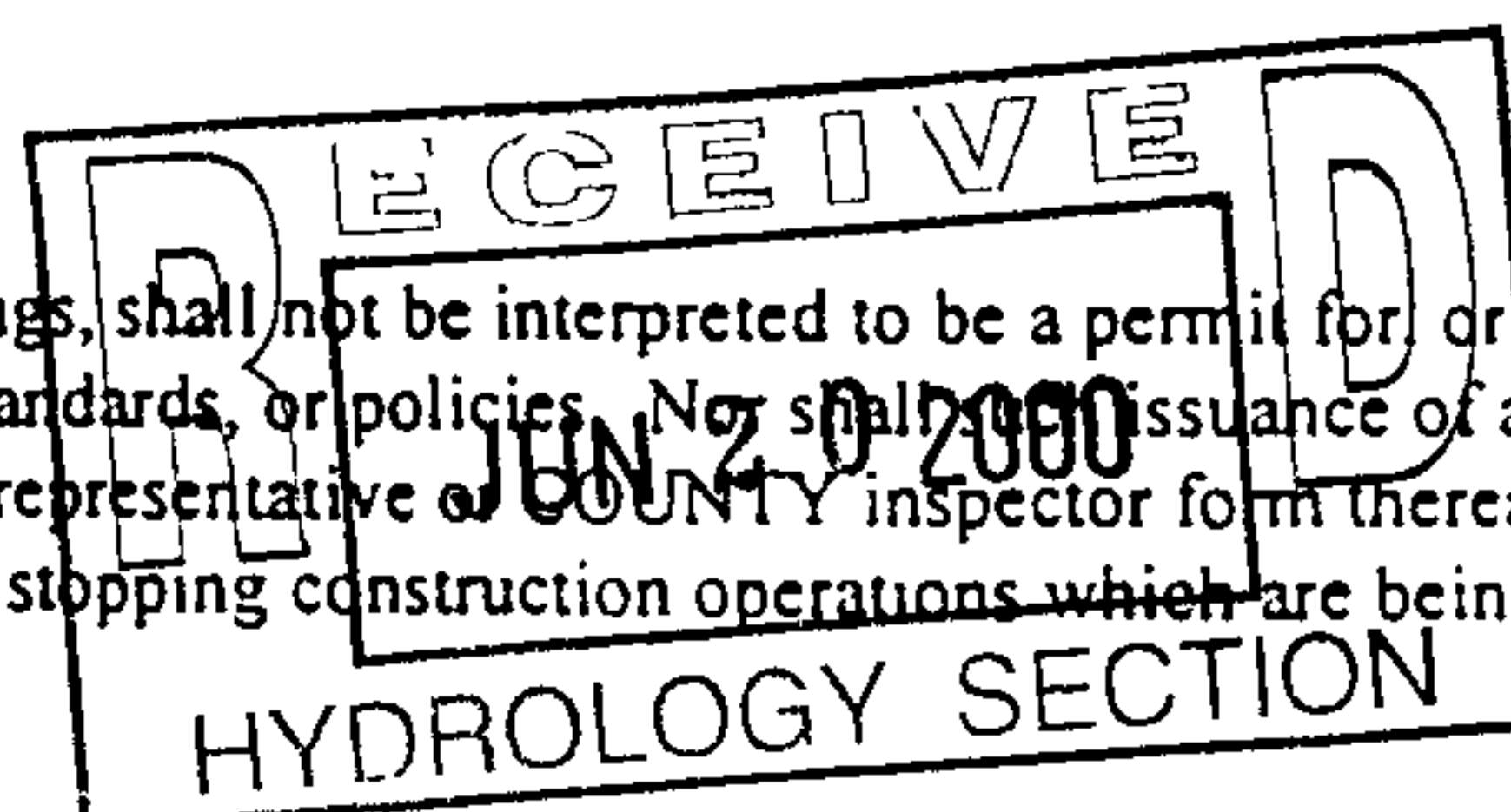
SITE INFORMATION

SITE ADDRESS / DIRECTIONS 3912 ISLETA SW	ZONE ATLAS NO P-12-Z
RIO BRAVO TO ISLETA - SOUTH ON ISLETA 1/2 MILE	
LEGAL DESCRIPTION LOT B2 HARRISON MIDDLE SCHOOL	LOT SIZE 0.51 ac
EXISTING BUILDING(S) AND USE COMMUNITY CENTER / LIBRARY	PROPOSED BUILDING(S) SENIOR CENTER
UPC # 10-120-53-261-095-402-03	

TYPE OF SUBMITTAL

- | | |
|---|--|
| ☐ REPLAT | ☐ TRAFFIC IMPACT ANALYSIS / TRAFFIC STUDY |
| ☐ MINOR SUBDIVISION | ☐ INFRASTRUCTURE LIST / DESIGN REVIEW |
| ☐ MAJOR SUBDIVISION | ☐ SPECIAL USE PERMIT |
| ☐ CONSTRUCTION DRAWINGS | ☐ BARRICADING PERMIT |
| ☒ GRADING & DRAINAGE PLAN | ☒ BUILDING PERMIT |
| ☐ AS-CONSTRUCTED GRADING & DRAINAGE PLAN | ☐ INSPECTION |
| ☐ VARIANCE REQUEST | ☐ OTHER (Specify): |
| ☐ LAND DIVISION | |

The issuance of a permit or a review or approval of plan specifications, computations, and shop drawings, shall not be interpreted to be a permit for, or an approval of any variance or violation of any of the provisions of any COUNTY or STATE codes, ordinances, standards, or policies. No shall the issuance of a permit or approval of plans, specifications, computations, and shop drawings prevent any authorized COUNTY representative or COUNTY inspector from thereafter requiring the correction of errors in said plans, specifications, computations, or shop drawings or from stopping construction operations which are being carried on thereunder when in violation of any COUNTY or STATE codes, ordinances, standards, or policies.



☐ Owner ☒ Agent ☐ Contractor

Signature

[Signature]

Date

6/14/2000

COUNTY

BERNALILLO COUNTY USE ONLY	
C/R's	TOTAL FEE
	Receipt No
	Received By

DRAINAGE REPORT

for

RIO BRAVO SENIOR CENTER ADDITION

BERNALILLO COUNTY, NEW MEXICO

June 6, 2000



Prepared by
Larry D. Read, P.E.
12836-B Lomas Blvd., N.E.
Albuquerque, New Mexico 87112
(505) 237-8421

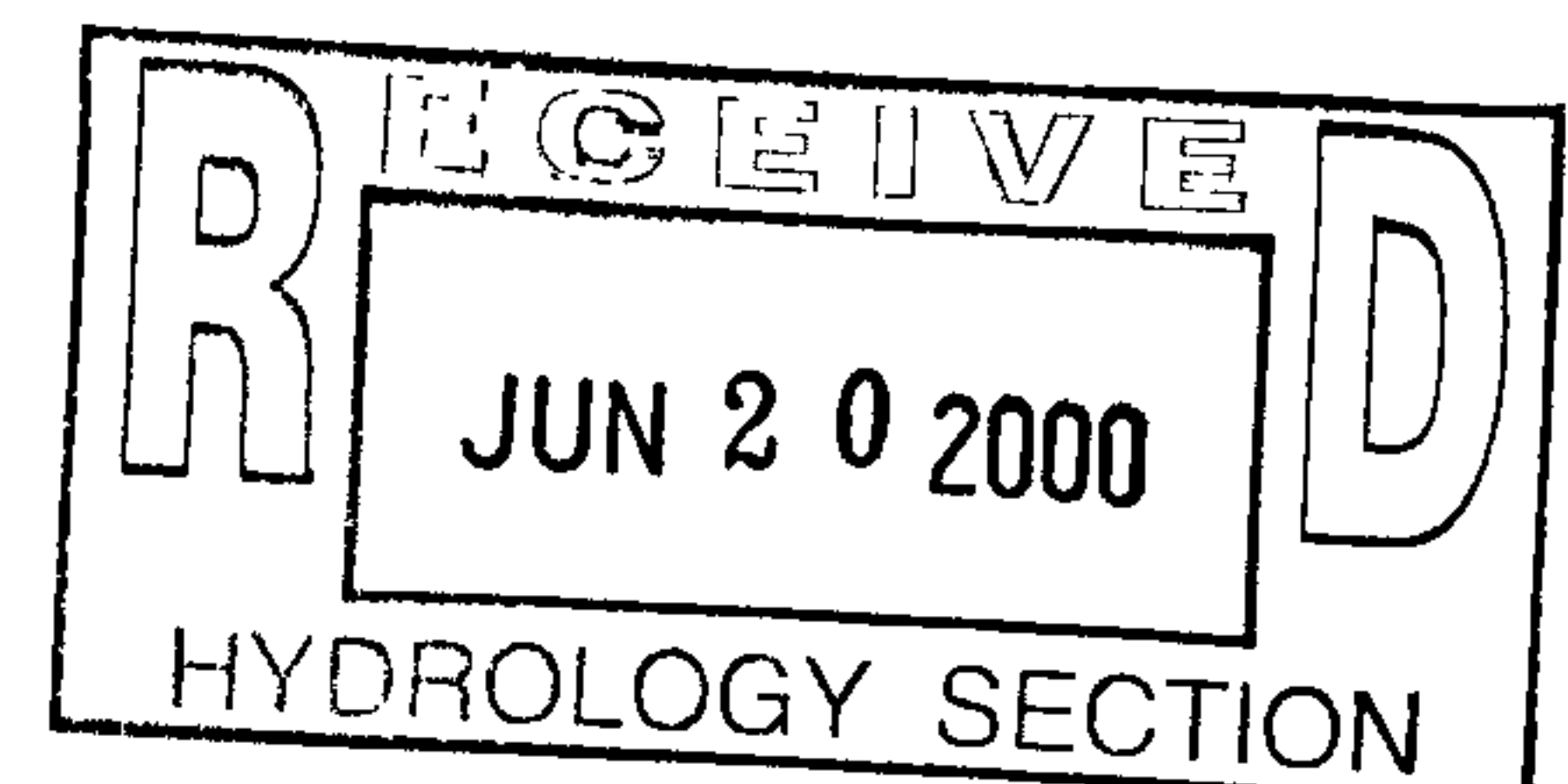


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DRAINAGE REPORT

for

RIO BRAVO SENIOR CENTER ADDITION

BERNALILLO COUNTY, NEW MEXICO

May 30, 2000

LOCATION & DESCRIPTION

The proposed site is approximately 0.5 acres located on the east side Isleta Boulevard approximately ½ mile south of Rio Bravo Boulevard as shown on the Vicinity Map (**Exhibit 1**). This area of Bernalillo County is currently developed with small on-site retention ponds to control the storm runoff. This development will increase the size of the existing retention pond that is affected by the new building in order to maintain this drainage criterion.

The site is currently developed, as are all parcels immediately adjacent to the property lines. This infill project only affects one internal basin, which is identified on **Exhibit 3**. The proposed development is a building of approximately 1770 square feet along with new sidewalks, partially paved courtyard, and minor concrete flat work around the building. It will also remove approximately 1800 square feet of asphalt and replace it with landscaping.

FLOODPLAIN STATUS

This project, as shown on FEMA's Flood Insurance Rate Map 35043C0343 C, dated September 20, 1996, is on the fringe of a 100-year floodplain designated "Zone AH (4923). **Exhibit 2** is a copy of this flood insurance map with the project area delineated. To mitigate any danger to the building from the floodplain, the finished floor elevation has been set at 4925.30 or 2'-4" above the flood elevation as published. Also, all existing ponding that has been displaced by the building has been replaced with a single large retention pond that also incorporates volume to hold the runoff from the design storm (100-year, 10-0day).

METHODOLOGY

The hydrology for this project was analyzed using the Quick Calculations of the June 1997 release of the City of Albuquerque Development Process Manual, Section 22.2. **Table 1** summarizes these calculations.

PRECIPITATION

The 100-yr 10-day duration storm was used as the design storm for this analysis. For this design storm the calculations require the 6 and 24-hour along with the 10-day precipitation values. In addition Excess Precipitation and Peak Discharge values for Zone 1 have to be input from tables within of the City of Albuquerque Development Process Manual, Section 22.2.

EXISTING DRAINAGE

The existing site drains from north to south via surface runoff to an existing retention pond just south of the proposed building (see **Exhibit 3**). **Table 1** and **Table 2** summarize both existing and developed conditions for this infill project site. This area of Bernalillo County does not have an improved drainage outfall to the Rio Grande River. Therefore, small retention ponds are spread throughout this property to collect the storm runoff. All of the proposed development is located within the drainage basin contributing to a single existing retention pond. Therefore, only approximately 0.5 acres of this property is analyzed in order to calculate the proper size of this retention pond due to the increased imperviousness created by this project.

FULLY DEVELOPED CONDITION

As stated previously, this area drains to a retention pond located just south of the proposed building. This development will continue to drain via surface runoff to this pond. Since the proposed building will slightly increase the impervious area, the pond will be increased to contain the 100-year, 10-day retention volume. The pond is sized to retain this volume at a depth of 0.75'. It will also maintain approximately 1' freeboard. Due to this shallow depth, there is no need to fence the pond. With these minor improvements to this site, the proposed development will not impact any other property and will continue to function in accordance with the existing drainage criteria.

TABLE 1

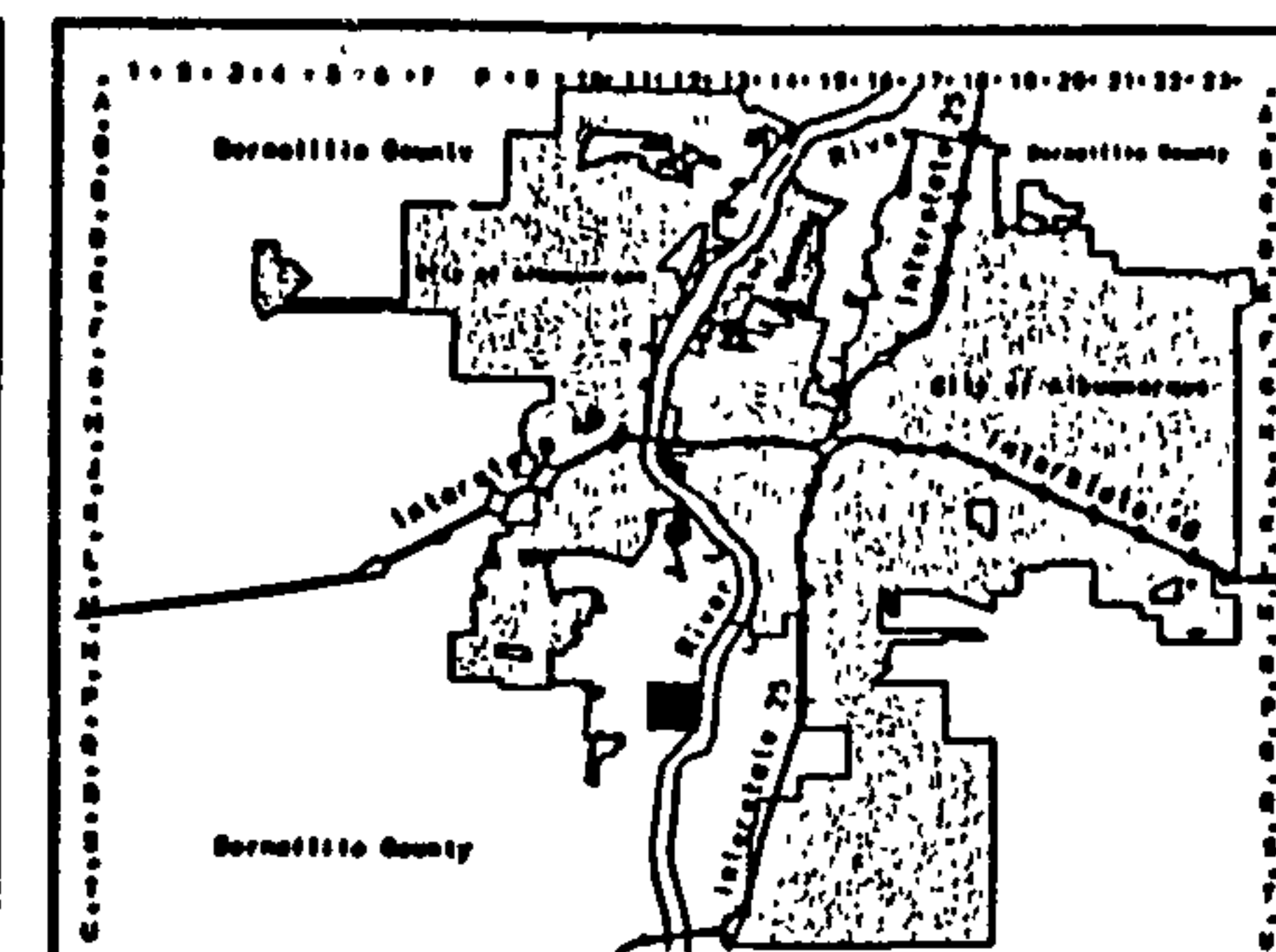
100-YEAR HYDROLOGIC CALCULATIONS

BASIN #	AREA (acre)	LAND TREATMENT				WEIGHTED E (in)	V (6-hr) (acre-ft)	V (6-hr) (cu-ft)	V(10 day) (acre-ft)	V(10 day) (cu-ft)	Q (cfs)
		A (%)	B (%)	C (%)	D (%)						
EXISTING CONDITIONS											
100	0.5149	0.00	10.42	42.63	46.95	1.42	0.06	2,648	0.09	3,939	1.80
PROPOSED CONDITIONS											
100	0.5149	0.00	7.59	39.80	52.61	1.48	0.06	2,769	0.10	4,215	1.85
EXCESS PRECIP.		0.44	0.67	0.99	1.97	E _i (in)					
PEAK DISCHARGE		1.29	2.03	2.87	4.37	Q _{Pi} (cfs)					
WEIGHTED E (in) = (E _A)(%A) + (E _B)(%B) + (E _C)(%C) + (E _D)(%D)											
V _{6-HR} (acre-ft) = (WEIGHTED E)(AREA)/12											
V _{10DAY} (acre-ft) = V _{6-HR} + (A _D)(P _{10DAY} - P _{6-HR})/12											
Q (cfs) = (Q _{PA})(A _A) + (Q _{PB})(A _B) + (Q _{PC})(A _C) + (Q _{PD})(A _D)											
ZONE = 1											
P _{6-HR} (in.) = 2.20											
P _{24-HR} (in.) = 2.66											
P _{10DAY} (in.) = 3.67											

TABLE 2

POND VOLUME CALCULATIONS

ELEV.	AREA (sq-ft)	INC. VOL. (cu-ft)	TOTAL VOL. (cu-ft.)	TOTAL VOL. (acre-ft)
EXISTING POND VOLUME				
20.00	211	-	-	0.00
20.50	1,883	524	524	0.01
21.00	2,435	1,080	1,603	0.04
21.50	2,435	1,218	2,821	0.06
22.00	5,000	1,859	4,679	0.11
PROPOSED POND VOLUME				
20.50	5,476	-	-	0.00
21.00	6,036	2,878	2,878	0.07
21.25	6,329	1,546	4,424	0.10
21.50	6,622	1,619	6,043	0.14
22.00	7,225	3,462	9,504	0.22



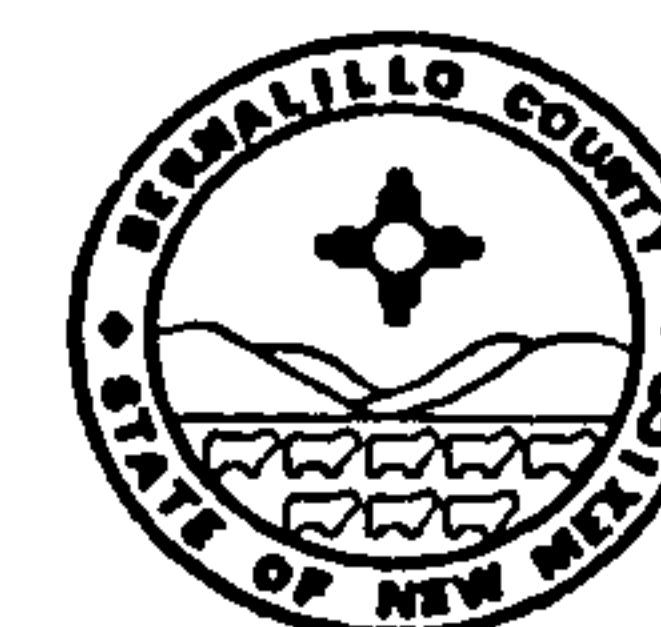
Location map



SCALE IN FEET



1" = 500'



LEGAL DESCRIPTION

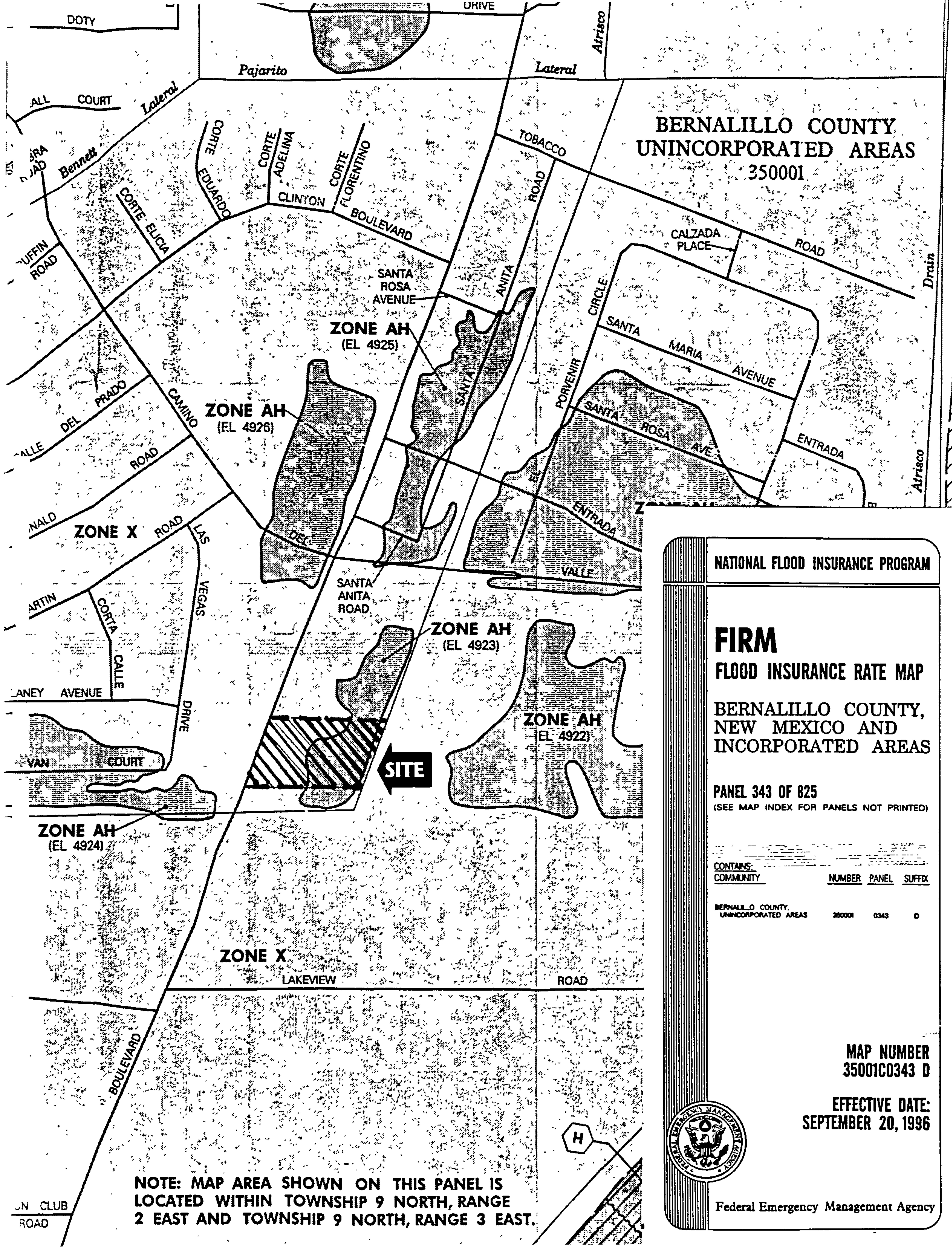
T8N
R2E
SEC 12

UNIFORM PROPERTY CODE
1-012-053

P-12-Z

Bernalillo County

Map Amended by AGIS through May 05, 1995



BERNALILLO COUNTY
UNINCORPORATED AREAS
350001

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

BERNALILLO COUNTY,
NEW MEXICO AND
INCORPORATED AREAS

PANEL 343 OF 825
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:	NUMBER	PANEL	SUFFIX
COMMUNITY			
BERNALILLO COUNTY, UNINCORPORATED AREAS	350001	0343	D

MAP NUMBER
35001C0343 D

EFFECTIVE DATE:
SEPTEMBER 20, 1996



Federal Emergency Management Agency

NOTE: MAP AREA SHOWN ON THIS PANEL IS
LOCATED WITHIN TOWNSHIP 9 NORTH, RANGE
2 EAST AND TOWNSHIP 9 NORTH, RANGE 3 EAST.

LEGEND

- 1## DRAINAGE BASIN NUMBER
- FLOW ARROW
- DRAINAGE SWALE
- - - - - BASIN LINE

- KEYED NOTES**
1. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER.
 2. REMOVE AND DISPOSE OF EXISTING PAVEMENT.
 3. REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK.
 4. NEW CONCRETE CURB AND GUTTER
 5. NEW CONCRETE HANDICAP RAMP.
 6. NEW 5' WIDE CONCRETE SIDEWALK.
 7. NEW CONCRETE MOW STRIP.
 8. REMOVE AND RELOCATE LAWN IRRIGATION SPRINKLER CONTROLLER AND LINES. COORDINATE WITH PARKS & RECREATION.
 9. EXISTING SIDEWALK AND HANDICAP RAMP TO REMAIN.

