CITY OF ALBUQUERQUE

May 30, 2007

Mr. Ronald Bohannan, P.E.
Tierra West, LLC
5571 Midway Park Place NE
Albuquerque, NM 87109

Re: Hoffmantown West Church, 6440 Coors Blvd. NW
Approval of Permanent Certificate of Occupancy (C.O.)
Engineer's Stamp dated 08/24/06 (D-17/D93)
Certification dated 05/22/07

Dear Mr. Bohannan,

Based upon the information provided in your submittal received 05/24/2007, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3982.

Sincerely,

Timothy Sims
Plan Checker-Hydrology, Planning Dept.
Development and Building Services

C: CO Clerk-Katrina Sigala
File

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

CITY OF ALBUQUERQUE

September 12, 2006

Ronald R. Bohannan, P.E.
Tierra West, LLC
8509 Jefferson St. NE
Albuquerque, NM 87113

Re: Hoffmantown West Church
Grading and Drainage Plan
Engineer's Stamp dated 8-29-06 (D12-D1)

Dear Mr. Bohannan,

Based upon the information provided in your submittal received 9-07-06, the above referenced plan is approved as amended. Please submit a certified copy of the revised plan along with the original set in order to obtain a Certificate of Occupancy

If you have any questions, you can contact me at 924-3977.

Sincerely,

Rudy E. Rael, Associate Engineer
Planning Department.
Development and Building Services

C: File

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

Weighted E Method

Hoffmantown West Church
TW Job #23080

On-Site Basins - Zone 1

											100-Year			10-Year		
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E Inches	Volume ac-ft	Flow cfs	Weighted E Inches	Volume ac-ft	Flow cfs
			%	(acres)	%	(acres)	%	(acres)	%	(acres)						
1	511	0.01	0%	0	0%	0.00	0%	0.00	100%	0.01	1.970	0.002	0.05	1.240	0.001	0.03
2	2,977	0.07	0%	0	0%	0.00	0%	0.00	100%	0.07	1.970	0.011	0.30	1.240	0.007	0.20
3	1,776	0.04	0%	0	4%	0.00	0%	0.00	96%	0.04	1.918	0.007	0.17	1.199	0.004	0.11
4	2,786	0.06	0%	0	7%	0.00	0%	0.00	93%	0.06	1.879	0.010	0.27	1.169	0.006	0.18
5	5,606	0.13	0%	0	4%	0.01	0%	0.00	96%	0.12	1.918	0.021	0.55	1.199	0.013	0.36
6	2,455	0.06	0%	0	4%	0.00	0%	0.00	96%	0.05	1.918	0.009	0.24	1.199	0.006	0.16
7	6,892	0.16	0%	0	0%	0.00	0%	0.00	100%	0.16	1.970	0.026	0.69	1.240	0.016	0.46
8	4,238	0.10	0%	0	4%	0.00	0%	0.00	96%	0.09	1.918	0.016	0.42	1.199	0.010	0.27
9	10,900	0.25	0%	0	55%	0.14	0%	0.00	45%	0.11	1.255	0.026	0.77	0.679	0.014	0.43
10	12,780	0.29	0%	0	65%	0.19	0%	0.00	35%	0.10	1.125	0.028	0.84	0.577	0.014	0.44
Total		**1.17**										**0.15**	**4.30**		**0.09**	**2.64**

Equations:

Weighted E = $(E_a*A_a + E_b*A_b + E_c*A_c + E_d*A_d)$ / Total Area

Volume = Weighted D * Total Area

Flow = $Q_a * A_a + Q_b * A_b + Q_c * A_c + Q_d * A_d$

D12/D001

Albuquerque
Metropolitan
Arroyo
Flood
Control
Authority
2600 Prospect N.E., Albuquerque, NM 87107
Phone: (505) 884-2215 Fax: (505) 884-0214

Post-it® Fax Note 7671	Date 12-8	# of pages ▶ 2
To BRAD BINGHAM	From LYNN MAZUR	
Co./Dept. HYDROLOGY	Co. AMAFCA	
Phone #	Phone #	
Fax #	Fax #	

December 8, 2005

Mr. Ronald Bohannan, P.E.
Tierra West, LLC
8509 Jefferson St. NE
Albuquerque, NM 87113

Re: Drainage Report for Hoffmantown West Church, ZAP D-12
Engineer's Stamp Dated March 28, 2005

Dear Mr. Bohannan:

AMAFCA received the referenced report on November 30 and has reviewed it with respect to storm water runoff to the Corrales Main Canal, a Middle Rio Grande Conservancy District (MRGCD) facility. AMAFCA has a license with MRGCD (Contract No. 6-LM-53-01085) for joint use of the Corrales Main Canal as an irrigation / flood control facility with certain discharge conditions. AMAFCA also agreed to maintain the facility.

AMAFCA does not approve the Grading & Drainage Plan. There are some key drainage discharge conditions that have not been adequately addressed in the Drainage Report. The primary discrepancy is how you arrived at the allowable discharge rate. This site is included in AMAFCA's "North Coors Drainage Management Plan, Middle Area" (NCDMP, February 1997), which was prepared to update hydrology, development, and discharge conditions in the area. The allowable discharge from Bosque Meadows Subdivision, including the offsite basin that drains through it, is 35 cfs per the NDDMP. Since, according to your report, it discharges 32 cfs, that leaves 4 cfs allowable discharge not going into the canal. The allowable discharge from the Hoffmantown site, including the offsite basin west of Coors Boulevard, is 98 cfs. Please revise the Drainage Report to reference the NCDMP and the allowable discharge.

Another key discharge condition that must be addressed in the report is the desedimentation requirement in the NCDMP. After discussion with MRGCD, AMAFCA and MRGCD are going to require surface water quality treatment for sediment, pollutants and trash and, to be determined on a case by case basis, possibly additional in-line storm water treatment facilities, such as a Stormceptor manhole. There is a pond shown on the southeast corner of the site, but it does not appear to receive any storm water runoff.

The Drainage Report should also address the size and capacity of the existing storm drain outfall to the canal. If you have any questions, please call me at 884-2215.

Sincerely,
AMAFCA

Lynn M. Mazur

Lynn M. Mazur, P.E., C.F.M.
Development Review Engineer

Cc: Brad Bingham, City Hydrology
Ray Gomez, MRGCD

CITY OF ALBUQUERQUE

Planning Department
Transportation Development Services Section

May 11, 2007

Ronald R. Bohannan, P.E.
5571 Midway Park Place NE
Albuquerque, NM 87109

Re: Certification Submittal for Final Building Certificate of Occupancy for Hoffmantown West Church, [D12 / D1]
6440 Coors NW
Engineer's Stamp Dated 05/08/07

Dear Mr. Bohannan:

The TCL / Letter of Certification submitted on May 10, 2007 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to the Building and Safety Section.

Sincerely,

Nilo E. Salgado-Fernandez, P.E.
Senior Traffic Engineer
Development and Building Services
Planning Department

c: Engineer
Hydrology file
CO Clerk

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

DRAINAGE AND TRANSPORTATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Hoffmantown West Church
ZONE MAP/DRG. FILE # D12-D1
DRB : 1002371
EPC #:
WORK ORDER #: 761481

LEGAL DESCRIPTION Tract 1-A-1, Alban Hills, Unit 1
CITY ADDRESS: 6440 Coors Boulevard NW

ENGINEERING FIRM:	Tierra West, LLC	CONTACT:	Brad Frosch
ADDRESS:	8509 Jefferson NE	PHONE:	(505) 858-3100
CITY, STATE:	Albuquerque, NM	ZIP CODE:	87113
OWNER:	Hoffmantown West Church	CONTACT:	Todd Cook
ADDRESS:	2600 American Road SE, Suite 350	PHONE:	505-922-9200
CITY, STATE:	Rio Rancho, NM	ZIP CODE:	87124
ARCHITECT:	Tate Fishburn Architects	CONTACT:	Tate Fishburn
ADDRESS:	P.O. Box 2941	PHONE:	(505) 899-9338
CITY, STATE:	Corrales, NM	ZIP CODE:	87048
SURVEYOR:	Baseline Field Services	CONTACT:	JJ Bordenave
ADDRESS:	208 3rd St. SW	PHONE:	505-244-3326
CITY, STATE:	Albuquerque, NM	ZIP CODE:	87102
CONTRACTOR:	Joiner Construction	CONTACT:	Bill Joiner
ADDRESS:	P.O. Box 15229	PHONE:	505-892-1311
CITY, STATE:	Rio Rancho, NM	ZIP CODE:	87174

CHECK TYPE OF SUBMITTAL:

- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN 1st SUBMITTAL, ***REQUIRES TCL or equal***
- ____ DRAINAGE PLAN RESUBMITTAL
- ____ CONCEPTUAL GRADING & DRAINAGE PLAN
- ____ GRADING PLAN
- ____ EROSION CONTROL PLAN
- ____ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ____ CLOMR/LOMR
- ____ TRAFFIC CIRCULATION LAYOUT (TCL)
- ____ ENGINEERS CERTIFICATION (TCL)
- X ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ____ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

- ____ SIA / FINANACIAL GUARANTEE RELEASE
- ____ 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
- X CERTIFICATE OF OCCUPANCY (PERM.)
- ____ CERTIFICATE OF OCCUPANCY (TEMP.)
- ____ GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ WORK ORDER APPROVAL
- ____ SO-19

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ____ YES
- ____ NO
- ____ COPY PROVIDED

RECEIVED
MAY 10 2007
HYDROLOGY SECTION

DATE SUBMITTED: 5/10/2007 BY: Brad Frosch

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of sumbittal may be required based on the following:

1. **Conceptual Grading and Drainage Plans**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report**: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

TIERRA WEST, LLC

5571 Midway Park Place NE
Albuquerque, NM 87109

(505) 858-3100
fax (505) 858-1118

twllc@tierrawestllc.com
1-800-245-3102

May 9, 2007

Mr. Nilo Salgado-Fernandez, PE
Development and Building Services
Public Works Department
PO Box 1293
Albuquerque, NM 87103

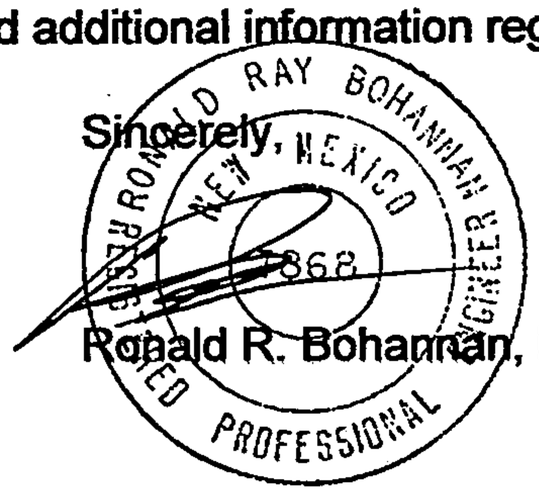
RE: DRB Approved Site Plan Certification for Permanent Certificate of Occupancy
Hoffmantown West Church
6440 Coors Boulevard NW

Dear Mr. Salgado-Fernandez:

Tierra West, LLC requests a Permanent Certification of the DRB approved Site Plan for Building Permit for Hoffmantown West Church, located at 6440 Coors Boulevard NE. Enclosed please find the information sheet, the As-Built Administrative Amendment Site Plan for Building Permit and the Approved Site Plan for Building Permit (for reference only). All punchlist items have been completed and the project has been constructed in substantial compliance with the approved plan. Therefore, we request Certification of the As-Built Administrative Amendment Site Plan for Building Permit for a Permanent Certificate of Occupancy.

If you have any questions or need additional information regarding this matter, please do not hesitate to contact me.

Sincerely,



Ronald R. Bohannan, PE

Enclosure/s

cc: Todd Cook
D. McCall

JN: 23080
RRB/bf/kdk

2003: 23080 Nilo Perm CO 011607

DRAINAGE REPORT

for

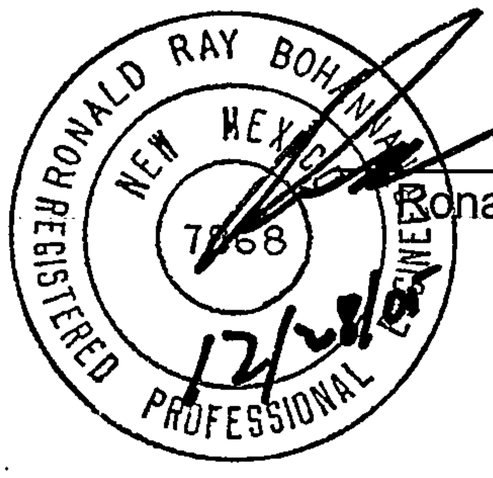
Hoffmantown West Church
@ The Northeastern Corner of
Coors and La Orilla Road
Albuquerque, New Mexico

Prepared by:

Tierra West, LLC
8509 Jefferson NE
Albuquerque, New Mexico 87113

March, 2005
Revised Dec, 2005

I certify that this report was prepared under my supervision, and I am a registered professional engineer in the State of New Mexico in good standing.



Ronald R Bohannan, PE

Job No 23080

PURPOSE

The purpose of this report is to provide the drainage management plan for the development of Hoffmantown West Church. This plan will be utilized for the development of the subject 16.3-acre property. This plan is in accordance with the DPM, Chapter 22, Hydrology Section. The purpose of this report is to provide the drainage analysis and management plan for the new site.

INTRODUCTION

The subject of this report, as shown on the Exhibit A vicinity map, is a 16.3-acre parcel of land located at the northeast corner of Coors and La Orilla Road, zone atlas page D-12. The site is in the City of Albuquerque, Bernalillo County, New Mexico and currently is undeveloped. The legal description of the property is Tract 1-A-1, Alban Hills Unit 1. As shown on FIRM map 35001C01116F.

EXISTING CONDITIONS

Currently the site is undeveloped, and the drainage generally slopes from the west to the east. The 16.3-acre site is bounded on the north by the Bosque Meadows Subdivision, on the east by Middle Rio Grande Conservancy District's Corrales Main Canal, on the west by Coors, and on the south by La Orilla Road.

PROPOSED CONDITIONS

The proposed church will consist of five buildings comprising approximately 150,000 sq ft. The proposed drainage from the site will sheet flow to the eastern side of the property into two single A and one single C water quality inlets and into a 36" RCP stub that was installed with the Bosque Meadows Subdivision (D12/D2). This site is also covered by the North Coors Drainage Management Plan Middle Area, and is located within basin 17.4E. According to the report this basin is allowed to discharge 87 cfs. For this report the site has been split into 4 basins including 3 offsite basins.

Basin 1 consists of the northwest corner of the site; this includes the northwest corner of the parking lot. The storm runoff from this basin will be conveyed in a concrete swale to a water quality inlet and discharged into the Corrales Main Canal via an existing discharged point. The total runoff from this basin is 14.81cfs and a land treatment of 20% B and 80% D was used.

Basin 2 includes the east side of the site and a portion of the site south of the church. The storm runoff from this basin will be collected in a water quality inlet and then discharge into the Corrales Main Canal. The total runoff from this basin is 22.05cfs and a land treatment of 16% B and 84% D was used.

Basin 3 includes the remaining southern portion of the parking lot area. The storm runoff from this basin will be conveyed in a concrete swale into a water quality inlet and then dis-

charged into the Corrales Main Canal. The total runoff from this basin is 8.06 cfs and a land treatment of 20% B and 80% D was used.

Basin 4 includes the proposed church buildings. The storm runoff from this basin will be directed to the east side of the buildings and discharge into the same water quality inlet as Basin 2. The total runoff from this basin is 16.45 cfs and a land treatment of 100% D was used.

The offsite basin 5 includes the remaining portion of land that is left west of Basins 2 and 3 and south of Basin 1. The runoff from this basin will be conveyed in a concrete swale extended from Basin 3 into a water quality inlet and finally into the Corrales Main Canal. The runoff from Basin 5 is 20 cfs; a land treatment of 15%B and 85%D was used to generate the runoff amounts.

The offsite basin 6 includes the portion of Coors Road that borders the property. The runoff from this basin will be conveyed from curb and gutter into the north and south entrances into the site and continue into the water quality inlet and finally into the Corrales Main Canal. The runoff from Basin 6 is 3.60 cfs; a land treatment of 22%B and 78%D was used to generate the runoff amounts.

The offsite basin 7 includes the portion of La Orilla Road that borders the property. The runoff from this basin will be conveyed from curb and gutter into a landscaped pond that is located at the southeast corner of the site. The runoff from Basin 7 is 3.83cfs; a land treatment of 100%D was used to generate the runoff amounts.

The total flow from all 6 basins is 84.97 cfs and will be collected in two single As and one single C water quality inlets with sweepers on each end. An additional 11 cfs from a culvert under Coors Boulevard, which drains basin 17.2W that is located on the west side of Coors will also be collected by the inlets. This brings the total flow into the inlets to 95.97 cfs. From that point the water will continue to an existing manhole and then into the Corrales Main Canal.

SUMMARY AND RECOMMENDATIONS

Per the pervious drainage report this site has free discharge into existing drainage facilities. The development of this site is consistent with the DPM, Chapter 22, Hydrology section. It is recommended this development be approved for rough grading and Site Plan for Building Permit.

Weighted E Method

Hoffmantown West Church
TW Job# 23080

Zone #1

Existing Basins

Basin	Area (sf)	Area (acres)	Area (sq miles)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year			10-Year		
				%	(acres)	%	(acres)	%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
1	712113.00	16.348	0.02554	0%	0	20%	3.270	0%	0	80%	13.078	1.710	2.330	63.79	1.036	1.411	40.28
2	216719.00	4.975	0.00777	0%	0	15%	0.746	0%	0	85%	4.229	1.775	0.736	20.00	1.087	0.451	12.79

Developed Basins

Basin	Area (sf)	Area (acres)	Area (sq miles)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year			10-Year		
				%	(acres)	%	(acres)	%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
1	165343.00	3.796	0.00593	0%	0	20%	0.759	0%	0	80%	3.037	1.710	0.541	14.81	1.036	0.328	9.35
2	240432.00	5.520	0.00862	0%	0	16%	0.883	0%	0	84%	4.636	1.762	0.810	22.05	1.077	0.495	14.07
3	89987.00	2.066	0.00323	0%	0	20%	0.413	0%	0	80%	1.653	1.710	0.294	8.06	1.036	0.178	5.09
4	164004.00	3.765	0.00588	0%	0	0%	0.000	0%	0	100%	3.765	1.970	0.618	16.45	1.240	0.389	10.88
5	216719.00	4.975	0.00777	0%	0	15%	0.746	0%	0	85%	4.229	1.775	0.736	20.00	1.087	0.451	12.79
6	40700.00	0.934	0.00146	0%	0	22%	0.206	0%	0	78%	0.729	1.684	0.131	3.60	1.016	0.079	2.26
7	38180.00	0.876	0.00137	0%	0	0%	0.000	0%	0	100%	0.876	1.970	0.144	3.83	1.240	0.091	2.53
	876485.00	21.056					3.007				18.048		3.131	84.976			

Developed Basins

Basin	Area (sf)	Area (acres)	Area (sq miles)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year			10-Year		
				%	(acres)	%	(acres)	%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
Pond	51861.00	1.191	0.00186	0%	0	100%	1.191	0%	0	0%	0.000	0.670	0.066	2.42	0.220	0.022	0.90
	51861.00	1.191					1.191				0.000		0.066	2.417			

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

DROP INLET CALCULATIONS

Basin	TYPE OF INLET	AREA (SF)	Q (CFS)	H (FT)	H ALLOW (FT)
1 thru 5	Single 'C'	4.36	84	16.0102	0.5
1 thru 5	Single 'C'	4.36	14.845811	0.5001	0.5
1 thru 5	Single 'C'	4.36	20.985914	0.9993	1
1 thru 5	Double 'A'	11.24	84	2.4090	0.5
1 thru 5	Double 'A'	11.24	38.269782	0.5000	0.5
1 thru 5	Double 'A'	11.24	54.101265	0.9993	1
1 thru 5	Single 'A'	9.14	84	3.6471	0.5
1 thru 5	Single 'A'	9.14	31.114569	0.5004	0.5
1 thru 5	Single 'A'	9.14	44.002465	1.0008	1

ORIFICE EQUATION

Q = CA sqrt(2gH)

C = 0.6

g = 32.2

STORM DROP INLET-EFFECTIVE AREA
Double 'A'

Area at the grate:

L = 88 ¾" - 2(6"$_{ends}$) - 6"$_{center\ piece}$ - 14(½ $_{middle\ bars}$)
= 63 ¾"
= 5.3125'

W = 25 ½" - 13(½"$_{middle\ bars}$)
= 19"
= 1.5833'

Area = 5.3125' x 1.5833'
= 8.41 ft^2

Effective Area = 8.41- 8.41 (0.5 $_{clogging\ factor}$)
= 4.21 ft^2 at the grate

Area at the throat:

L = 13.50"

H = 10 ¾" - 4 ½"
= 6 ¼"
= 0.5208'

Area = 13.50' x 0.5208'
= 7.03 ft^2 at the throat

Total Area:

Area = 4.21_{grate} + 7.03_{throat}
= 11.24 ft^2

Single 'C" Drop Inlet
EFFECTIVE AREA

Area at the grate:

L = 38.375" - 7(2@ middle bars)
= 34.875"
= 2.906'

W = 25.5" - 13(2@ middle bars)
= 19"
= 1.583'

Area = 1.583' x 2.906'
= 4.601 ft^2

Effective Area: = 4.601- 4.601 (0.5 clogging factor)
= 2.30 ft^2 at the grate

Area at the throat:

L = 47.375@
= 3.95'

H = 10:@ - 42@
= 63@
= 0.5208'

Area = 3.95' x 0.5208'
= 2.06 ft^2 at the throat

Total Area:

Area = $2.30_{grate} + 2.06_{throat}$
= 4.36 ft^2

CITY OF ALBUQUERQUE

January 25, 2006

Ron Bohannan, PE
Tierra West LLC
8509 Jefferson NE
Albuquerque, NM 87113

Re: Hoffmantown West Church Drainage Report
Engineer Stamp date 12-28-05 (D12/D1)

Dear Mr. Bohannan,

Based on information provided in your submittal dated 1-20-06, the above referenced report is approved for Site Development Plan action by the DRB. It is also approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. Refer to the attachment that is provided with this letter for details. If you have any questions please feel free to call the Municipal Development Department, Hydrology section at 768-3654 (Charles Caruso).

Also, prior to Certificate of Occupancy release, Engineer Certification of the grading plan per the DPM checklist and acceptance of the storm drain by the City Engineer will be required.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Bradley L. Bingham, PE
Principal Engineer, Planning Dept
Development and Building Services

C: Lynn Mazur, AMAFCA
Ray Gomez, MRGCD
Chuck Caruso, DMD
file

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

DRAINAGE REPORT

for

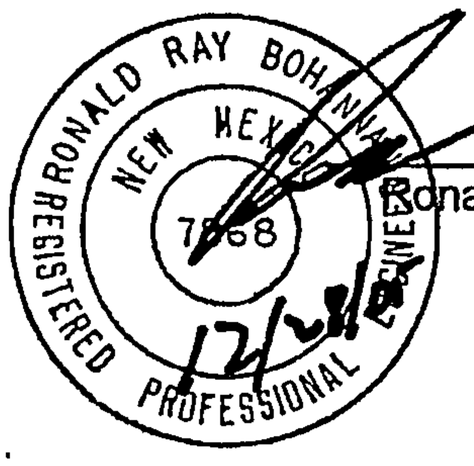
Hoffmantown West Church
@ The Northeastern Corner of
Coors and La Orilla Road
Albuquerque, New Mexico

Prepared by:

Tierra West, LLC
8509 Jefferson NE
Albuquerque, New Mexico 87113

March, 2005
Revised Dec, 2005

I certify that this report was prepared under my supervision, and I am a registered professional engineer in the State of New Mexico in good standing.



Ronald R Bohannan, PE

Job No 23080

TABLE OF CONTENTS

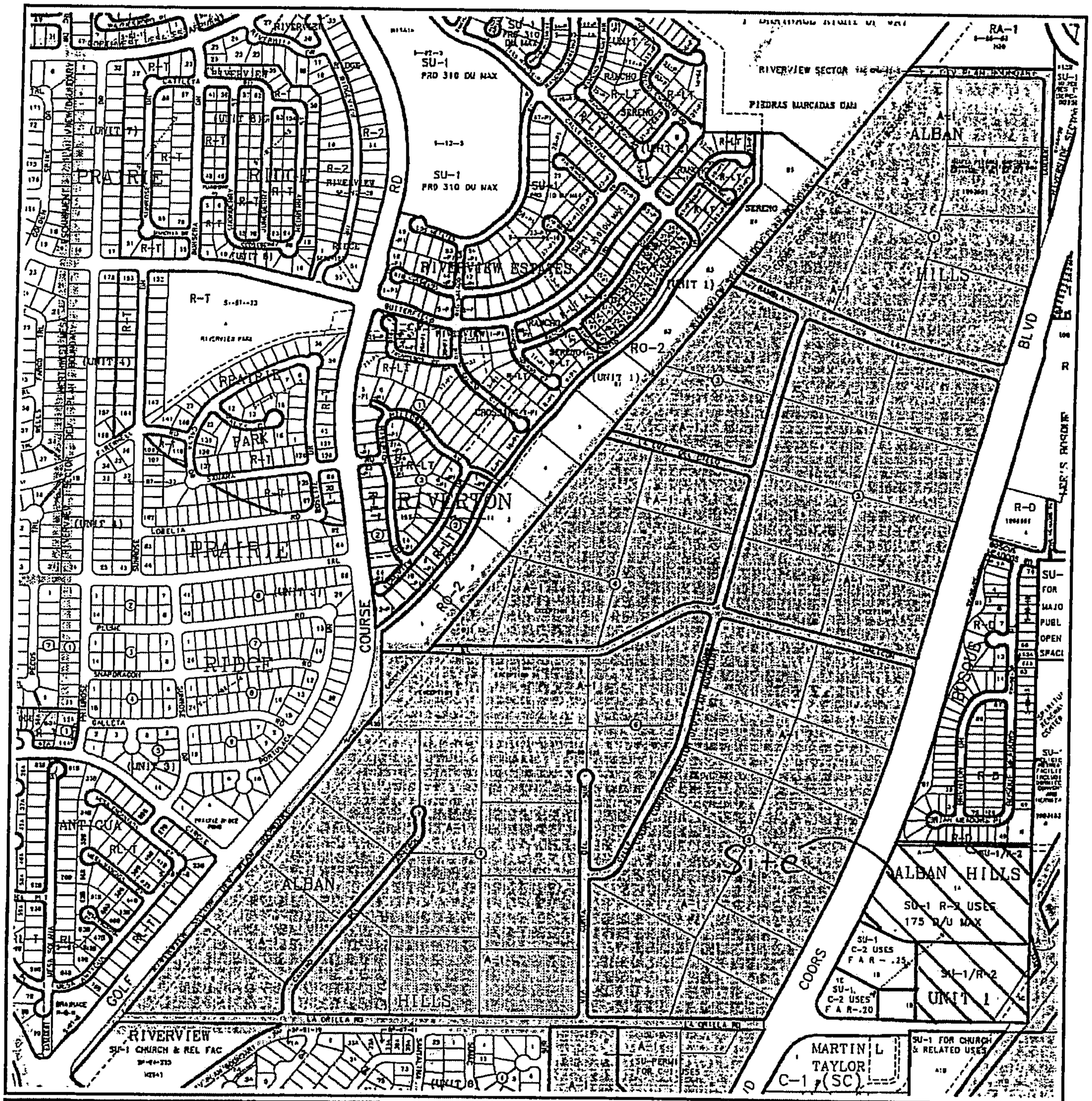
PURPOSE

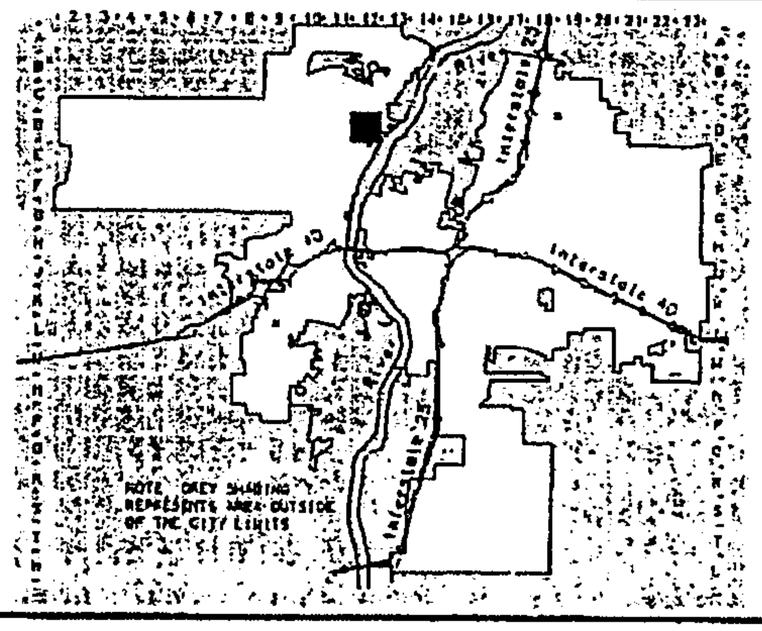
The purpose of this report is to provide the drainage management plan for the development of Hoffmantown West Church. This plan will be utilized for the development of the subject 16.3-acre property. This plan is in accordance with the DPM, Chapter 22, Hydrology Section. The purpose of this report is to provide the drainage analysis and management plan for the new site.

INTRODUCTION

The subject of this report, as shown on the Exhibit A vicinity map, is a 16.3-acre parcel of land located at the northeast corner of Coors and La Orilla Road, zone atlas page D-12. The site is in the City of Albuquerque, Bernalillo County, New Mexico and currently is undeveloped. The legal description of the property is Tract 1-A-1, Alban Hills Unit 1. As shown on FIRM map 35001C01116F.

Exhibit A- Vicinity Map





CITY OF
Albuquerque

A lbuquerque G eographic I nformation S ystem
PLANNING DEPARTMENT

GRAPHIC SCALE IN FEET

250 0 750 1000

Zone Atlas Page

D12-Z

Map Amended through July 30, 2003

Exhibit B – FIRM Map

ZONE A

RANCHO SOLANO

T NW

ZONE X

South Branch of the Piedras Marcadas Arroyo

CALLE REDONDA NW

ALBUQUERQUE

VALILLO COUNTY

24

AMBLA NW

COORS BLVD

BOSQUE

EADOWS RD NW

EL MALECON NW

BOSQUE MEADOWS PL NW

Corrales Canal

City of Albuquerqu

350002

unty

Areas

Site

BRENTON DR NW

R. 2 E.

R. 3 E.

ZONE X

BRIAN MEADOWS PL NW

WINDMILL

Corrales Riverside Drain

BERNALILLO COUNTY

CITY OF ALBUQUERQUE

LA ORILLA NW

ZONE AE

VIA CORTA DEL SUR NW

ZONE X

BONTIERRA TRL NW

WINTER HAVEN RD NW

AD

WOODSIDE TRL NW

4983

RIVERSIDE PLAZA LA NW

JOINS PANEL 011

FIRM MAP# 35001C0116E

EXISTING CONDITIONS

Currently the site is undeveloped, and the drainage generally slopes from the west to the east. The 16.3-acre site is bounded on the north by the Bosque Meadows Subdivision, on the east by Middle Rio Grande Conservancy District's Corrales Main Canal, on the west by Coors, and on the south by La Orilla Road.

PROPOSED CONDITIONS

The proposed church will consist of five buildings comprising approximately 150,000 sq ft. The proposed drainage from the site will sheet flow to the eastern side of the property into two single A and one single C water quality inlets and into a 36" RCP stub that was installed with the Bosque Meadows Subdivision (D12/D2). This site is also covered by the North Coors Drainage Management Plan Middle Area, and is located within basin 17.4E. According to the report this basin is allowed to discharge 87 cfs. For this report the site has been split into 4 basins including 3 offsite basins.

Basin 1 consists of the northwest corner of the site; this includes the northwest corner of the parking lot. The storm runoff from this basin will be conveyed in a concrete swale to a water quality inlet and discharged into the Corrales Main Canal via an existing discharged point. The total runoff from this basin is 14.81cfs and a land treatment of 20% B and 80% D was used.

Basin 2 includes the east side of the site and a portion of the site south of the church. The storm runoff from this basin will be collected in a water quality inlet and then discharge into the Corrales Main Canal. The total runoff from this basin is 22.05cfs and a land treatment of 16% B and 84% D was used.

Basin 3 includes the remaining southern portion of the parking lot area. The storm runoff from this basin will be conveyed in a concrete swale into a water quality inlet and then dis-

charged into the Corrales Main Canal. The total runoff from this basin is 8.06 cfs and a land treatment of 20% B and 80% D was used.

Basin 4 includes the proposed church buildings. The storm runoff from this basin will be directed to the east side of the buildings and discharge into the same water quality inlet as Basin 2. The total runoff from this basin is 16.45 cfs and a land treatment of 100% D was used.

The offsite basin 5 includes the remaining portion of land that is left west of Basins 2 and 3 and south of Basin 1. The runoff from this basin will be conveyed in a concrete swale extended from Basin 3 into a water quality inlet and finally into the Corrales Main Canal. The runoff from Basin 5 is 20 cfs; a land treatment of 15%B and 85%D was used to generate the runoff amounts.

The offsite basin 6 includes the portion of Coors Road that borders the property. The runoff from this basin will be conveyed from curb and gutter into the north and south entrances into the site and continue into the water quality inlet and finally into the Corrales Main Canal. The runoff from Basin 6 is 3.60 cfs; a land treatment of 22%B and 78%D was used to generate the runoff amounts.

The offsite basin 7 includes the portion of La Orilla Road that borders the property. The runoff from this basin will be conveyed from curb and gutter into a landscaped pond that is located at the southeast corner of the site. The runoff from Basin 6 is 3.83cfs; a land treatment of 100%D was used to generate the runoff amounts.

The total flow from all 6 basins is 84.97 cfs and will be collected in two single As and one single C water quality inlets with sweepers on each end. An additional 11 cfs from a culvert under Coors Boulevard, which drains basin 17.2W that is located on the west side of Coors will also be collected by the inlets. This brings the total flow into the inlets to 95.97 cfs. From that point the water will continue to an existing manhole and then into the Corrales Main Canal.

SUMMARY AND RECOMMENDATIONS

Per the pervious drainage report this site has free discharge into existing drainage facilities. The development of this site is consistent with the DPM, Chapter 22, Hydrology section. It is recommended this development be approved for rough grading and Site Plan for Building Permit.

CALCULATIONS

Weighted E Method

Hoffmantown West Church
TW Job# 23080

Zone #1
Existing Basins

												100-Year			10-Year		
Basin	Area (sf)	Area (acres)	Area (sq miles)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
1	712113.00	16.348	0.02554	0%	0	20%	3.270	0%	0	80%	13.078	1.710	2.330	63.79	1.036	1.411	40.28
2	216719.00	4.975	0.00777	0%	0	15%	0.746	0%	0	85%	4.229	1.775	0.736	20.00	1.087	0.451	12.79

Developed Basins

												100-Year			10-Year		
Basin	Area (sf)	Area (acres)	Area (sq miles)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
1	165343.00	3.796	0.00593	0%	0	20%	0.759	0%	0	80%	3.037	1.710	0.541	14.81	1.036	0.328	9.35
2	240432.00	5.520	0.00862	0%	0	16%	0.883	0%	0	84%	4.636	1.762	0.810	22.05	1.077	0.495	14.07
3	89987.00	2.066	0.00323	0%	0	20%	0.413	0%	0	80%	1.653	1.710	0.294	8.06	1.036	0.178	5.09
4	164004.00	3.765	0.00588	0%	0	0%	0.000	0%	0	100%	3.765	1.970	0.618	16.45	1.240	0.389	10.88
5	216719.00	4.975	0.00777	0%	0	15%	0.746	0%	0	85%	4.229	1.775	0.736	20.00	1.087	0.451	12.79
6	40700.00	0.934	0.00146	0%	0	22%	0.206	0%	0	78%	0.729	1.684	0.131	3.60	1.016	0.079	2.26
7	38180.00	0.876	0.00137	0%	0	0%	0.000	0%	0	100%	0.876	1.970	0.144	3.83	1.240	0.091	2.53
	876485.00	21.056					3.007				18.048		3.131	84.976			

Developed Basins

												100-Year			10-Year		
Basin	Area (sf)	Area (acres)	Area (sq miles)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
Pond	51861.00	1.191	0.00186	0%	0	100%	1.191	0%	0	0%	0.000	0.670	0.066	2.42	0.220	0.022	0.90
	51861.00	1.191					1.191				0.000		0.066	2.417			

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

DROP INLET CALCULATIONS

Basin	TYPE OF INLET	AREA (SF)	Q (CFS)	H (FT)	H ALLOW (FT)
1 thru 5	Single 'C'	4.36	84	16.0102	0.5
1 thru 5	Single 'C'	4.36	14.845811	0.5001	0.5
1 thru 5	Single 'C'	4.36	20.985914	0.9993	1
1 thru 5	Double 'A'	11.24	84	2.4090	0.5
1 thru 5	Double 'A'	11.24	38.269782	0.5000	0.5
1 thru 5	Double 'A'	11.24	54.101265	0.9993	1
1 thru 5	Single 'A'	9.14	84	3.6471	0.5
1 thru 5	Single 'A'	9.14	31.114569	0.5004	0.5
1 thru 5	Single 'A'	9.14	44.002465	1.0008	1

ORIFICE EQUATION

Q = CA sqrt(2gH)

C = 0.6

g = 32.2

STORM DROP INLET-EFFECTIVE AREA
Double 'A'

Area at the grate:

L = 88 ¾" - 2(6"$_{ends}$) - 6"$_{center\ piece}$ - 14(½ $_{middle\ bars}$)
= 63 ¾"
= 5.3125'

W = 25 ½" - 13(½"$_{middle\ bars}$)
= 19"
= 1.5833'

Area = 5.3125' x 1.5833'
= 8.41 ft^2

Effective Area = 8.41- 8.41 (0.5 $_{clogging\ factor}$)
= 4.21 ft^2 at the grate

Area at the throat:

L = 13.50"

H = 10 ¾" - 4 ½"
= 6 ¼"
= 0.5208'

Area = 13.50' x 0.5208'
= 7.03 ft^2 at the throat

Total Area:

Area = 4.21_{grate} + 7.03_{throat}
= 11.24 ft^2

Single 'C" Drop Inlet
EFFECTIVE AREA

Area at the grate:

L = 38.375" - 7(2@ middle bars)
= 34.875"
= 2.906'

W = 25.5" - 13(2@ middle bars)
= 19"
= 1.583'

Area = 1.583' x 2.906'
= 4.601 ft^2

Effective Area: = 4.601- 4.601 (0.5 clogging factor)
= 2.30 ft^2 at the grate

Area at the throat:

L = 47.375@
= 3.95'

H = 10:@ - 42@
= 63@
= 0.5208'

Area = 3.95' x 0.5208'
= 2.06 ft^2 at the throat

Total Area:

Area = $2.30_{grate} + 2.06_{throat}$
= 4.36 ft^2

MAP POCKET A

SITE GRADING AND DRAINAGE PLAN

EROSION CONTROL NOTES

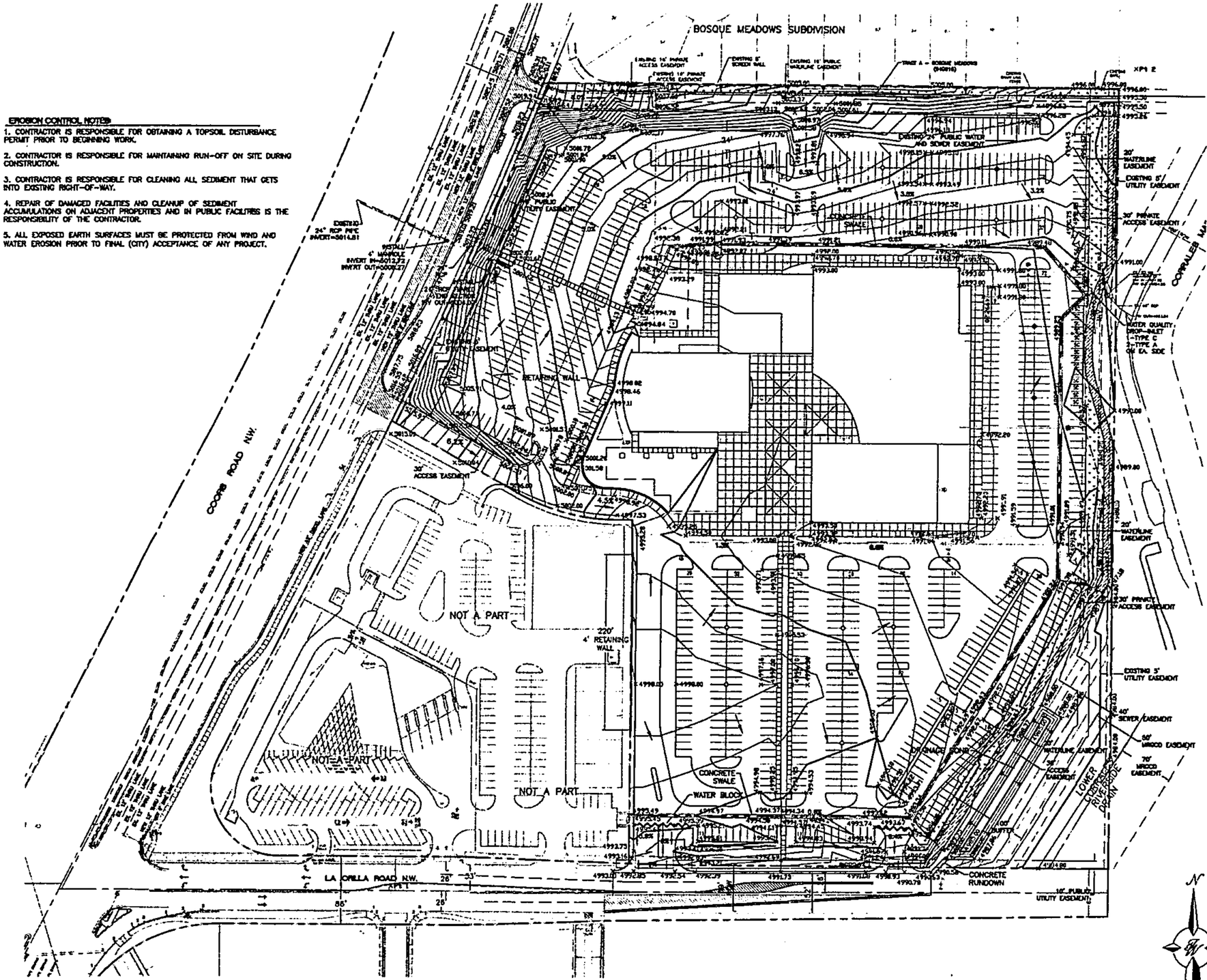
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

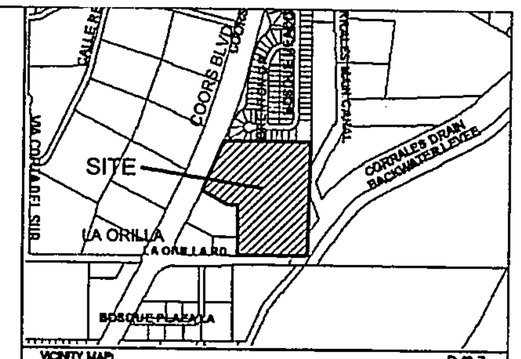
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

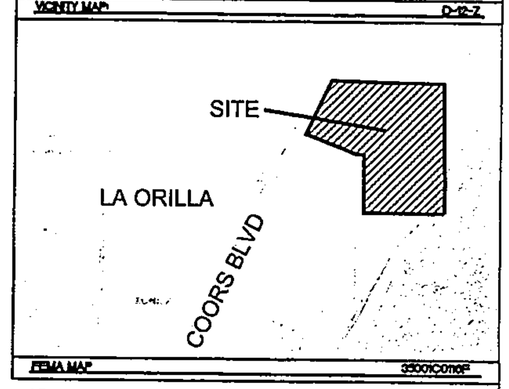
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.





VICINITY MAP D-12-Z



FEMA MAP 35001C0116F

LEGAL DESCRIPTION

TRACTS 1-A, 1-B & 1-C OF ALBAN HILLS SUBDIVISION

LEGEND	DESCRIPTION
○	EXISTING SAS MANHOLE
EX. 8" SAS	EXISTING SANITARY SEWER LINE
8" SAS	PROPOSED SANITARY SEWER LINE
⋈	EXISTING VALVE W/BOX
	EXISTING FIRE HYDRANT
EX. 12" W	EXISTING WATER LINE
	PROPOSED METER
	PROPOSED VALVE W/BOX
8" W	PROPOSED WATER LINE
	PROPOSED HEADER CURB
	PROPOSED CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	PROPOSED SIDEWALK
	CENTERLINE

NOTES:

1. EXISTING TOPOGRAPHY SLOPES WEST TO EAST AT ABOUT 3%.
2. PROPOSED GRADING FLOWS AROUND BUILDING SITE TO A DROP INLET ON THE EAST SIDE OF SITE AND INTO AN EXISTING STORM DRAIN MANHOLE.

Site Volume Table: Unadjusted

Site	Stratum	Surf1	Surf2	Cut yards	Fill yards	Net yards	Method
Site1							
	stratum1	existing surface	proposed surface				
			70113	42751		27382 (C)	Grid
			70148	42911		27238 (C)	Composite
			70173	42949		27224 (C)	Prismoidal

GRAPHIC SCALE

60 30 0 30 60

SCALE: 1"=60'

ENGINEER'S SEAL

RONALD R. BOHANNAN P.E. #7868

HOFFMANTOWN WEST CHURCH

GRADING AND DRAINAGE PLAN

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

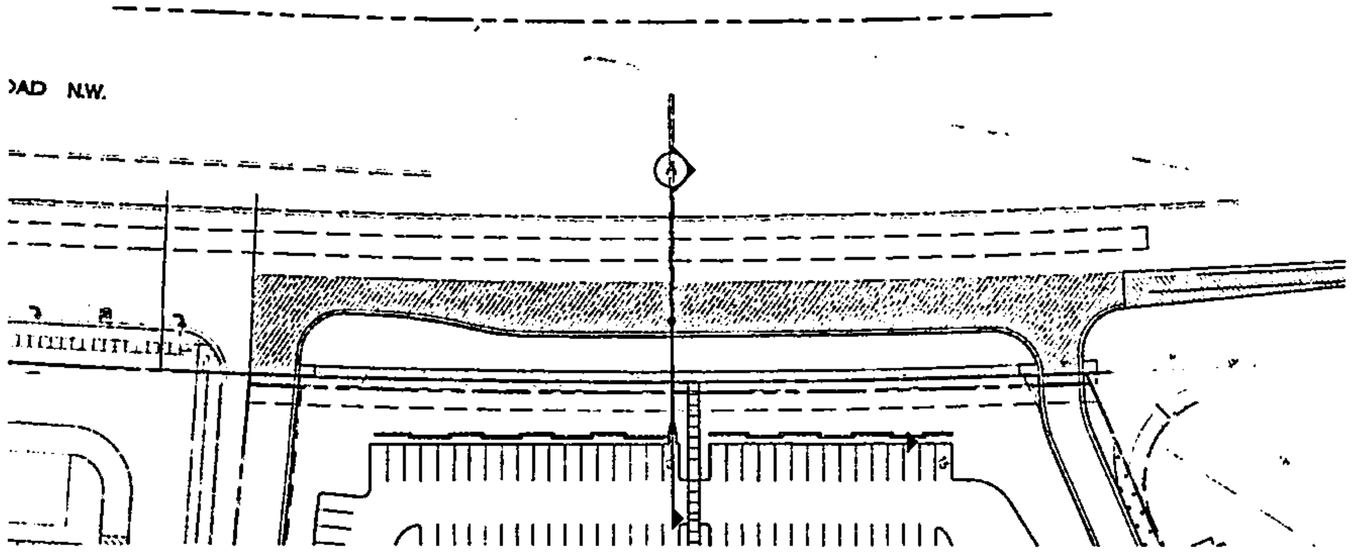
DRAWN BY BJF

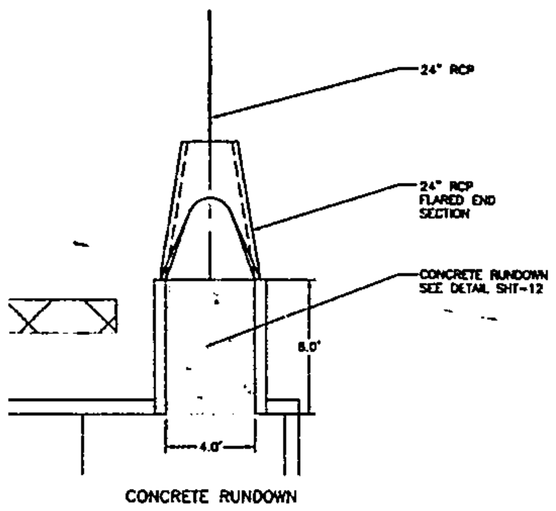
DATE 12-12-05

2380-SH04-GRDG

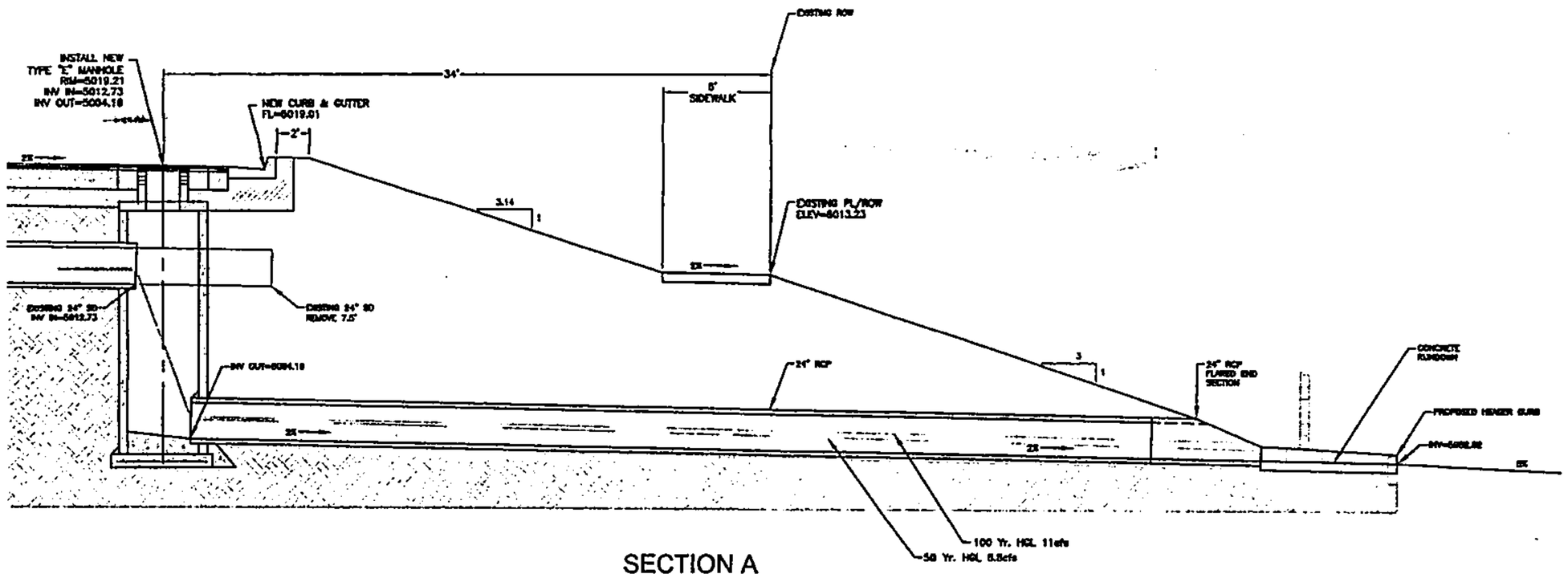
OF 04 12

JOB # 230060





CONCRETE RUNDOWN



SECTION A
SCALE = 1" = 4'

SCALE: HORIZ. 1"=50'

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK FINISHED BY DATE
FIELD VERIFICATION BY DATE
MYLAR CORRECTED BY DATE

BENCH MARKS
NAVD MONUMENT "STA NM448-H8"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1927)
X=372,524.23
Y=1,514,838.11
GROUND TO GRID=0.99957854
DELTA ALPHA=-00°14'44"
ELEV.=5015.922 FT(NGVD 1929)

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO. DATE REMARKS
REVISIONS
DESIGN
DESIGNED BY: TA
DRAWN BY: BJF
DRAWN NAME: 2380-SH09-Storm Drain Improvements
CHECKED BY: TA
JOB NO.: 23080
DATE: 10.20.05

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

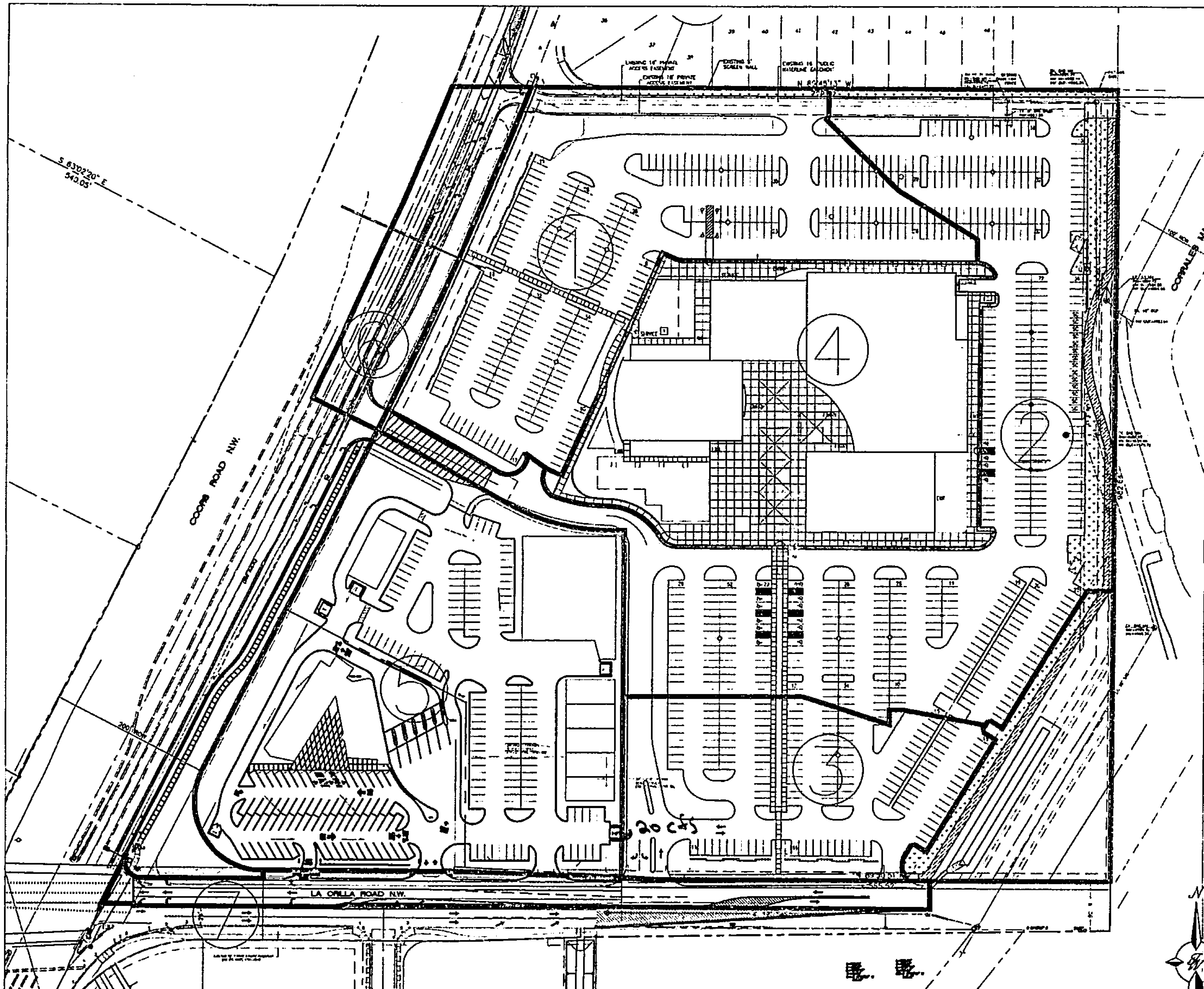
TITLE: HOFFMANTOWN WEST CHURCH
STORM SEWER IMPROVEMENTS

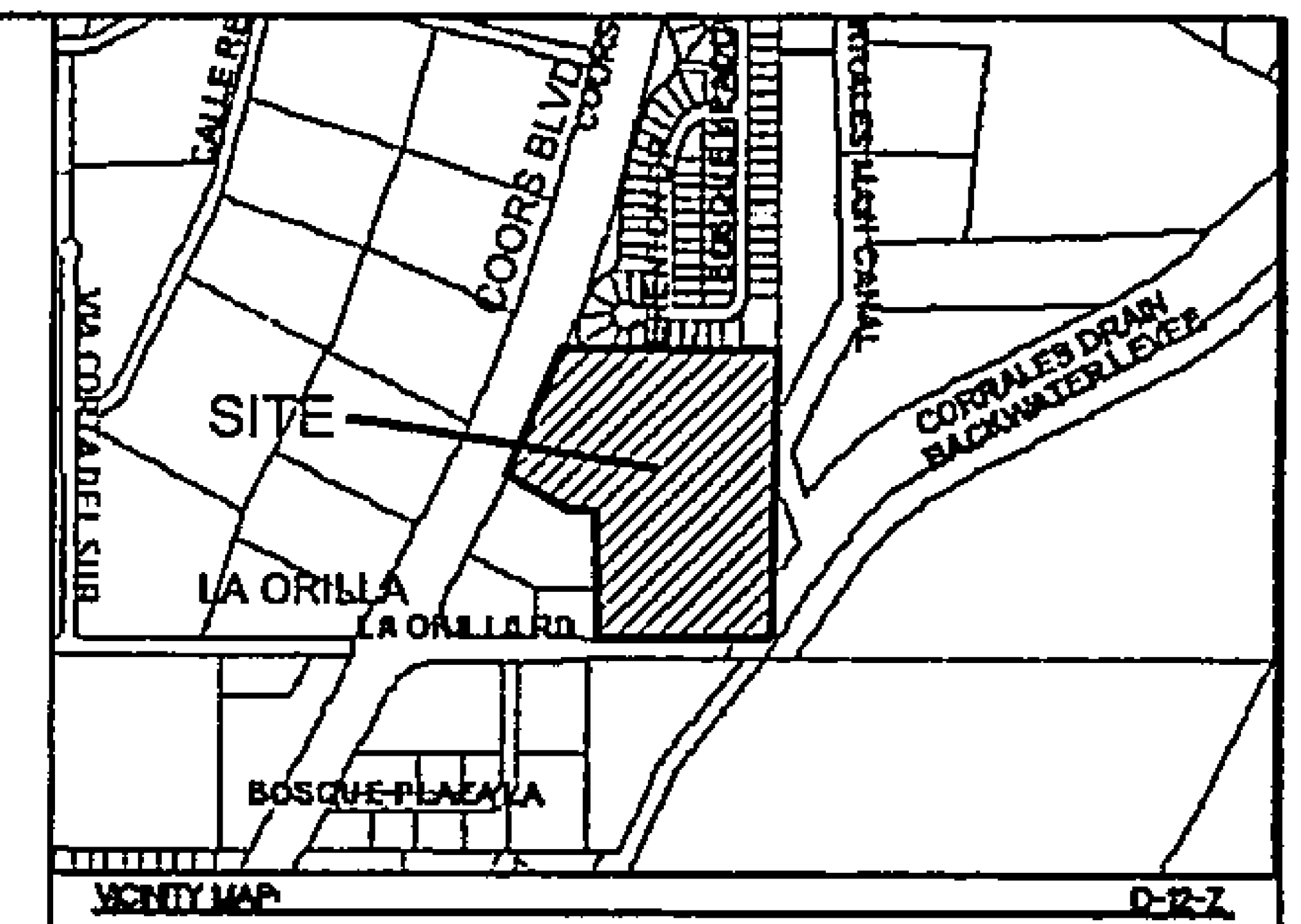
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

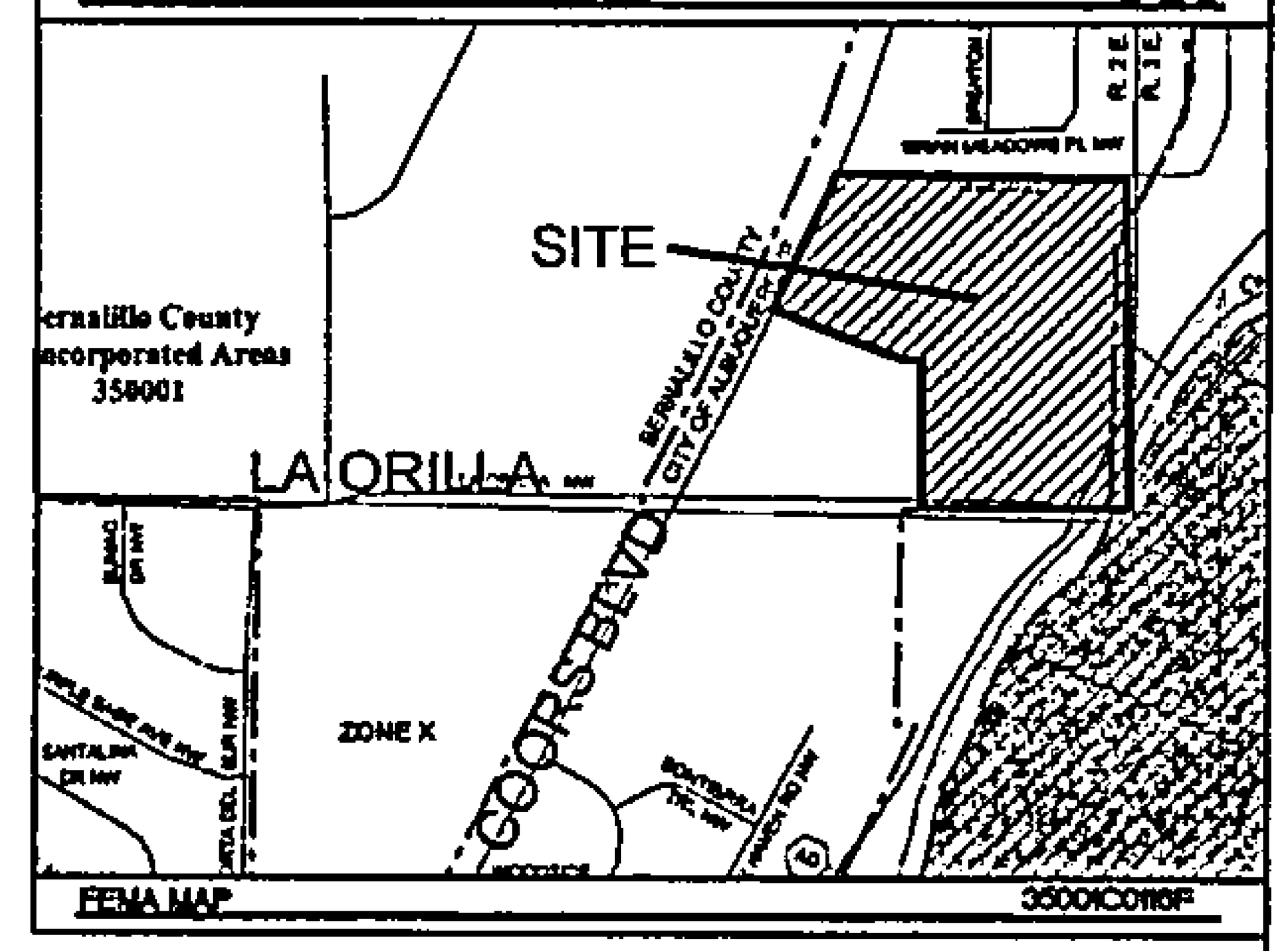
CITY PROJECT NO. –
ZONE MAP NO. D-12-Z
SHEET 09 OF 12

MAP POCKET B

Proposed Basin Map







LEGAL DESCRIPTION:
TRACTS 1-A, 1-B & 1-C OF ALBAN HILLS SUBDIVISION

LEGEND	DESCRIPTION
	EXISTING SAS MANHOLE
EX. 8" SAS	EXISTING SANITARY SEWER LINE
8" SAS	PROPOSED SANITARY SEWER LINE
	EXISTING VALVE W/BOX
	EXISTING FIRE HYDRANT
EX. 16" WL	EXISTING WATER LINE
	PROPOSED METER
	PROPOSED VALVE W/BOX
8" WL	PROPOSED WATER LINE
	PROPOSED HEADER CURB
	PROPOSED CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	PROPOSED SIDEWALK
	CENTERLINE

NOTES:

1. EXISTING TOPOGRAPHY SLOPES WEST TO EAST AT ABOUT 3%.
2. PROPOSED GRADING FLOWS AROUND BUILDING SITE TO A DROP INLET ON THE EAST SIDE OF SITE AND INTO AN EXISTING STORM DRAIN MANHOLE.

GRAPHIC SCALE

60 30 0 30 60

SCALE: 1"=60'

ENGINEER'S SEAL	HOFFMANTOWN WEST CHURCH	DRAWN BY TJA
	BASIN MAP	DATE 03-10-05
	TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	2380CRB-02-04-05x
RONALD R. BOHANNAN P.E. #7856		SHEET #
		JOB # 230080

Full capactiy pipe flow

Pipe	Length	Slope	Diameter	Type
	(ft)		in	
1 (to outfall)	345	0.55%	17.7	HDPE
2	230	0.55%	17.7	HDPE
3	45	0.55%	17.7	HDPE
4	54	0.55%	17.1	PVC
5	40	0.55%	12.6	PVC
6	100	0.55%	10.0	PVC
7	50	0.55%	6.0	PVC
8	70	1.86%	6.4	PVC
9	55	1.86%	5.5	PVC
10	50	1.86%	2.7	PVC
11	103	1.10%	10.8	PVC
12	102	1.10%	8.4	PVC

CITY OF ALBUQUERQUE

February 5, 2013

Jeff Wooten, P.E.
Tierra West, LLC
5571 Midway Park Place NE
Albuquerque, NM 87109

Re: Sagebrush Plaza, 6440 Coors Blvd. NW
Paving Certification
Engineer's Stamp Date: 12-19-12
Certification Date: 01-31-13

Dear Mr. Wooten,

Thank you for providing an Engineer Paving Certification for the Grading and Drainage Plan received on 02-01-13, for the above referenced plan number D-12/D001. This information will be placed in the project file. This letter does not constitute acceptance of the project site for Certification of Occupancy purposes.

If you have any questions, I can be contacted at 924-3695.

Sincerely,

Shahab Biazar, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

C: email

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: **Sagebrush Plaza** ZONE MAP/DRG. FILE #: **D-12-D1**

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: **Tract 1-D-1-A, Block 15, Alban Hills Unit 1**

CITY ADDRESS: **6420 Coors Boulevard NW**

ENGINEERING FIRM:	**Tierra West LLC**	CONTACT:	**Jeff Wooten**
ADDRESS:	**5571 Midway Park Place NE**	PHONE:	**(505) 858-3100**
CITY, STATE:	**Albuquerque, NM**	ZIP CODE:	**87109**
OWNER:	**Sagebrush Community Church**	CONTACT:	**Bob Church**
ADDRESS:	**6440 Coors Boulevard NW**	PHONE:	**505 922-9200**
CITY, STATE:	**Albuquerque, NM**	ZIP CODE:	**87124**
ARCHITECT:		CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	
SURVEYOR:	**Surv-Tek**	CONTACT:	**Russ Hugg**
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	
CONTRACTOR:		CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	

CHECK TYPE OF SUBMITTAL:

- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN 1st SUBMITTAL, ***REQUIRES TCL or equal***
- ____ DRAINAGE PLAN RESUBMITTAL
- ____ CONCEPTUAL GRADING & DRAINAGE PLAN
- ____ GRADING PLAN
- ____ EROSION CONTROL PLAN
- X ENGINEER'S CERTIFICATION (HYDROLOGY)
- ____ CLOMR/LOMR
- ____ TRAFFIC CIRCULATION LAYOUT (TCL)
- ____ ENGINEERS CERTIFICATION (TCL)
- ____ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ____ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

- ____ SIA / FINANACIAL GUARANTEE RELEASE
- ____ 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 (PERM.)
- ____ CERTIFICATE OF OCCUPANCY (TEMP.)
- ____ GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ WORK ORDER APPROVAL
- ____ SO-19
- X File Copy - No CO Required

Pave Cert

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ____ YES
- ____ NO
- ____ COPY PROVIDED

RECEIVED
~~JAN 31 2013~~
2-1-13
LAND DEVELOPMENT SECTION

DATE SUBMITTED: **1/31/2013** BY: **Jeffrey Wooten**

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of sumbittal may be required based on the following:

1. **Conceptual Grading and Drainage Plans:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

CITY OF ALBUQUERQUE

December 3, 2012

Ronald R. Bohannan, P.E.
Tierra West LLC
5571 Midway Park Pl NE
Albuquerque, NM 87109

Re: Sagebrush Community Church, 6440 Coors Blvd NW
Request for Permanent C.O. –Accepted
Engineer's Stamp dated: 8-29-06, (D12D001)
Certification dated: 11-29-12

Dear Mr. Bohannan,

Based upon the information provided in the Certification received 11-30-12, the above referenced Certification is acceptable for a release of a Permanent Certificate of Occupancy by Hydrology.

A separate grading plan should be submitted for subsequent Building Permit approvals as it is difficult to see where the building is on the certification submitted and will help with grading adjacent to the structure.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Curtis Cherne, P.E.
Principal Engineer, Hydrology
Development and Building Services

C: CO Clerk—Katrina Sigala
E-mail

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: **Sagebrush Community Church** ZONE MAP/DRG. FILE #: **D-12/D1**

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: **Tract 1-A-1 Alban Hills, Unit 1**

CITY ADDRESS: **6440 Coors Boulevard NW**

ENGINEERING FIRM:	**Tierra West LLC**	CONTACT:	**Ron Bohannan**
ADDRESS:	**5571 Midway Park Place NE**	PHONE:	**(505) 858-3100**
CITY, STATE:	**Albuquerque, NM**	ZIP CODE:	**87109**
OWNER:	**Sagebrush Community Church**	CONTACT:	**Todd Cook**
ADDRESS:	**6440 Coors Boulevard NW**	PHONE:	**505 922-9200**
CITY, STATE:	**Albuquerque, NM**	ZIP CODE:	**87124**
ARCHITECT:	**Tate Fishburn**	CONTACT:	**Tate Fishburn**
ADDRESS:	**P.O. Box 2941**	PHONE:	**505 899-9338**
CITY, STATE:	**Corrales, NM**	ZIP CODE:	**87048**
SURVEYOR:	**Santiago Romero Jr**	CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:	**Albuquerque, NM**	ZIP CODE:	
CONTRACTOR:	**Jaynes Corporation**	CONTACT:	**Matt Anderson**
ADDRESS:	**2906 Broadway**	PHONE:	**(505) 345-8591**
CITY, STATE:	**Albuquerque, NM**	ZIP CODE:	**87107**

CHECK TYPE OF SUBMITTAL:

- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN 1st SUBMITTAL, ***REQUIRES TCL or equal***
- ____ DRAINAGE PLAN RESUBMITTAL
- ____ CONCEPTUAL GRADING & DRAINAGE PLAN
- ____ GRADING PLAN
- ____ EROSION CONTROL PLAN
- X ENGINEER'S CERTIFICATION (HYDROLOGY)
- ____ CLOMR/LOMR
- ____ TRAFFIC CIRCULATION LAYOUT (TCL)
- ____ ENGINEERS CERTIFICATION (TCL)
- ____ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ____ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

- ____ SIA / FINANACIAL GUARANTEE RELEASE
- ____ 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
- X CERTIFICATE OF OCCUPANCY (PERM.)
- ____ CERTIFICATE OF OCCUPANCY (TEMP.)
- ____ GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ WORK ORDER APPROVAL
- ____ SO-19

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ____ YES
- ____ NO
- ____ COPY PROVIDED

RECEIVED
NOV 30 2012
LAND DEVELOPMENT SECTION

DATE SUBMITTED: **11/30/2012** BY: **Brad Frosch for Ron Bohannan**

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of sumbittal may be required based on the following:

1. **Conceptual Grading and Drainage Plans**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
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