CITY OF ALBUQUERQUE



August 10, 2005

Mario Juarez-Infante, P.E. Wilson & Company 2600 The American Rd. SE, Suite 100 Rio Rancho, NM 87124

Re: Westside Skate Park Phase 1, 6900 Gonzales Road SW, Site Development

Plan

Engineer's Stamp dated 8-08-05 (L10-D13A)

Dear Mr. Juarez-Infante,

Based upon the information provided in your submittal received 8-08-05, the above referenced plan is approved for Paving Permit and Grading Permit. Upon completion of the project, please provide an Engineer Certification for our files.

Sincerely,

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. If you have any questions regarding this permit please feel free to call the DMD Storm Drainage Design section at 768-3654 (Charles Caruso).

Albuquerque If you have any questions, you can contact me at 924-3981.

New Mexico 87103

Kristal D. Metro, P.E.
Senior Engineer, Planning Dept.

www.cabq.gov Development and Building Services

C: Charles Caruso, DMD Storm Drainage Design File

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003)

PROJECT TITLE: <u>Westside Skate Park, Phase 1</u> Z	ONE MAP/DRG. FILE#: Kand L 11-Z L-10/D/3A
	WORK ORDER #:
LEGAL DESCRIPTION: Alamosa Multi-Service Center, Sunse	et Gardens, Albuquerque, NM
CITY ADDRESS: 6900 Gonzales Road SW	
ENGINEERING FIRM: Wilson & Company	CONTACT: Jesse Dickson
ADDRESS: 4900 Lang Ave. NW	CONTACT. <u>Jesse Dickson</u> PHONE: (505) 348-4136
CITY, STATE: Albuquerque, NM	ZIP CODE: 87109
OWNER: City of Albuquerque – Parks & Recreation	CONTACT: Leroy Chavez
ADDRESS: 401 Coors Boulevard, NW	
CITY, STATE: <u>Albuquerque, NM</u>	ZIP CODE: 87121
ARCHITECT: Morrow, Reardon, Wilkinson, & Miller	_ CONTACT: <u>Greg Miller</u>
ADDRESS: 210 La Veta NE	PHONE: <u>505.266.2266</u>
CITY, STATE: <u>Albuquerque, NM</u>	ZIP CODE: <u>87108</u>
SURVEYOR:	CONTACT:
ADDRESS:	
CITY, STATE:	_ ZIP CODE:
CONTRACTOR:	_ CONTACT:
ADDRESS:	_ PHONE:
CITY, STATE:	
CHECK TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
/_ DRAINAGE REPORT	SIA / FINANCIAL GUARANTEE RELEASE
DRAINAGE PLAN 1 st SUBMITTAL. REQUIRES TCL OR EQ	UAL PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D. APPROVAL
	/_ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
EROSION CONTROL PLAN	SECTOR PLAN APPROVAL
ENGINEERS CERTIFICATION (HYDROLOGY)	FINAL PLAT APPROVAL
CLOMR\LOMR	FOUNDATION PERMIT APPROVAL
TRAFFIC CIRCULTAION LAYOUT (TCL)	BUILDING PERMIT APPROVAL
ENGINEERS CERTIFICATION (TGL)	CERTIFICATION OF OCCUPANCY (PERM.)
ENGINEERS CERTIFICATION DRB. APPR. SITE PLANT	CERTIFICATION OF OCCUPANCY (TEMP.)
VOTHER V/V/V	/_ GRADING PERMIT APPROVAL
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	WORK ORDER APPROVAL
	OTHER (SPECHY) [這一] [[] [[] [[] [[] [] [] [] [] [] [] [] [
WAS A PRE-DESIGN CONFERENCE ATTENDED:	
YES	AUG 0 8 2005
<u>./NO</u>	
✓ COPY PROVIDED	HYDROLOGY SECTION
Date Submitted: June 23, 2005	By: Jesse Dickson

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 submittal may be required based on the following:

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



2600 The American Rd. SE, Suite 100 Rio Rancho, NM 87124 505-898-8021 505-898-8501 Fax Albuquerque
Colorado Springs
Denver
Fort Worth
Houston
Kansas City
Las Cruces
Lenexa
Omaha
Pasadena
Phoenix
Rio Rancho
Salina
San Bernardino
San Diego

Wilson & Company Latin America, LLC

로;

HYDROLOGY SECTION

July 15, 2005

Kristal Metro
Engineering Associate, Planning Dept.
City of Albuquerque – Development and Building Services
P.O. Box 1293
Albuquerque, NM 87103

Kristal,

Please find the enclosed revisions to the drainage report for the Westside Skate Park, Phase I. The revised drawings include the This drainage report was submitted on May 27, 2005 with amended sheets submitted on June 3, 2005.

The enclosed revisions address the City's comments dated June 10, 2005. Specifically:

Comment 1. Show the proposed and existing storm drain, along with associated inverts, on the grading plan.

Response: Concur; the proposed and existing storm drain has been included on

the grading plan. Inverts have been provided.

Still not show on guilty plane

Comment 2. Why is your pond outfall an earthen berm with a 2" invert? Provide the weir equation.

Response: The grate inlet capturing flows from Basin P3 is located in a landscaped area. The 12" earthen berm was selected to detain flows upstream of the landscaping features, in an effort to minimize any deposition on these features. The engineer's rationale was that an orifice plate would concentrate ponding and deposition in an area that is readily visible. The berm, on the other hand, is underneath the pedestrian bridge, such that most deposition would be in an obscured location, thus preserving the aesthetic qualities at the site. Flows were modeled as a trapezoidal (Cipoletti) weir using FlowMaster software. Output from this software is provided in this submittal. The general equation for a broad-crested weir has been provided in the drainage report.

Comment 3. Provide a benchmark.

Response: Concur; a benchmark has been provided.

Comment 4. Why not control what enters the inlet from Basin P3 by including an orifice plate?



2600 The American Rd. SE, Suite 100 Rio Rancho, NM 87124 505-898-8021 505-898-8501 Fax Albuquerque
Colorado Springs
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Lenexa
Omaha
Pasadena
Phoenix
Rio Rancho
Salina
San Bernardino
San Diego

Wilson & Company Latin America, LLC

Response: See response to comment 2 above.

Comment 5.

Provide a signed and dated engineer's stamp on the grading and drainage plan

sheets.

Response: Concur; the grading and drainage plan sheets have been sealed and

dated.

We anticipate that the enclosed revisions satisfy your comments and questions, however, if you need any further information or clarification, please do not hesitate to contact me.

Sincerely,

Jesse S. Dickson

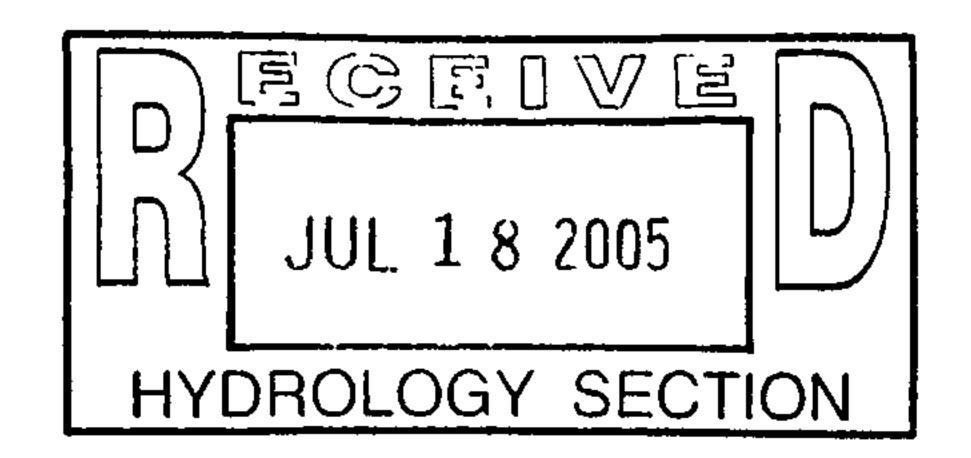
WILSON & COMPANY Direct: 505.348.4136

Email: jesse.dickson@wilsonco.com

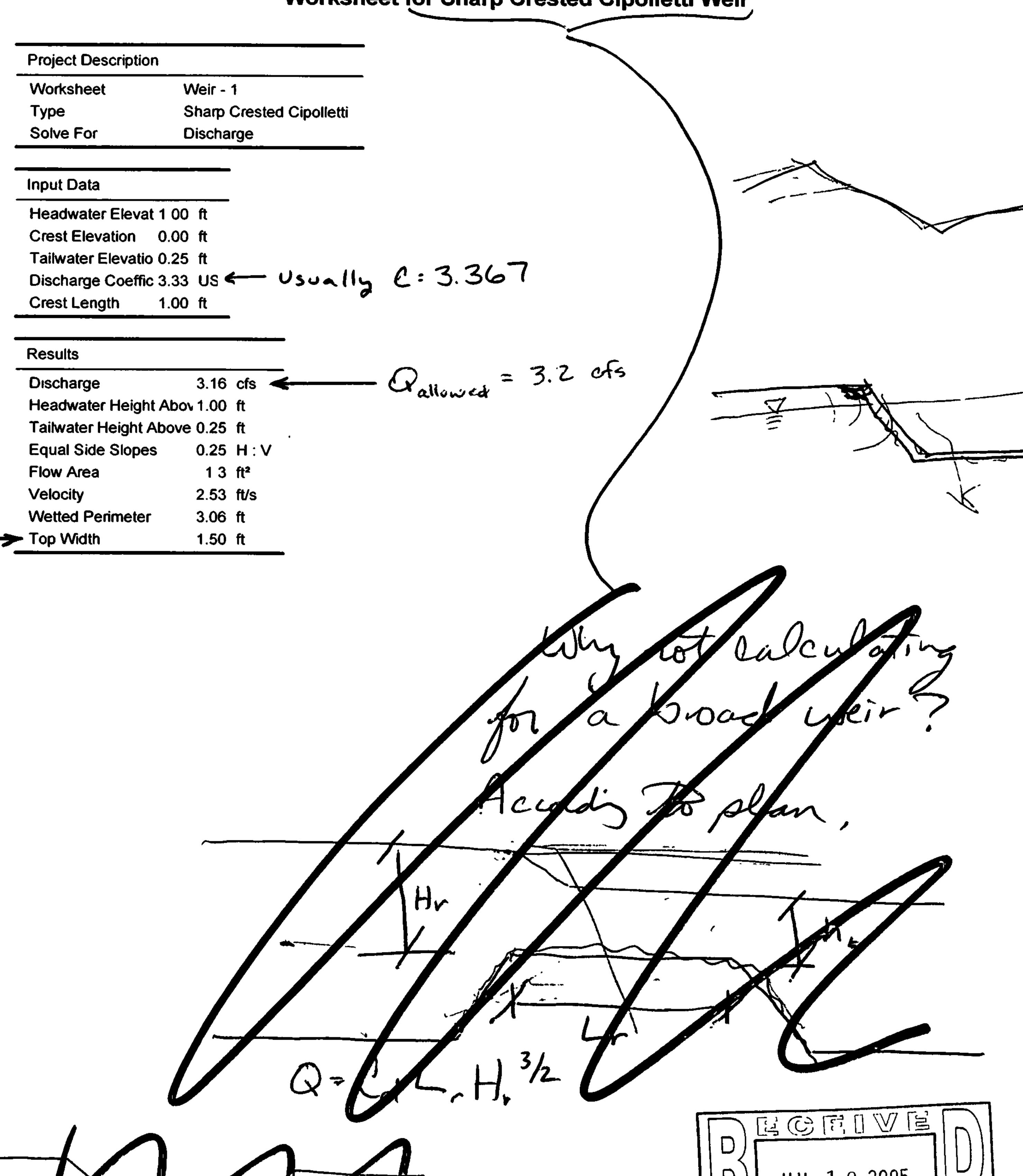
Enclosures

cc: Morrow, Reardon, Wilkinson, & Miller;

file



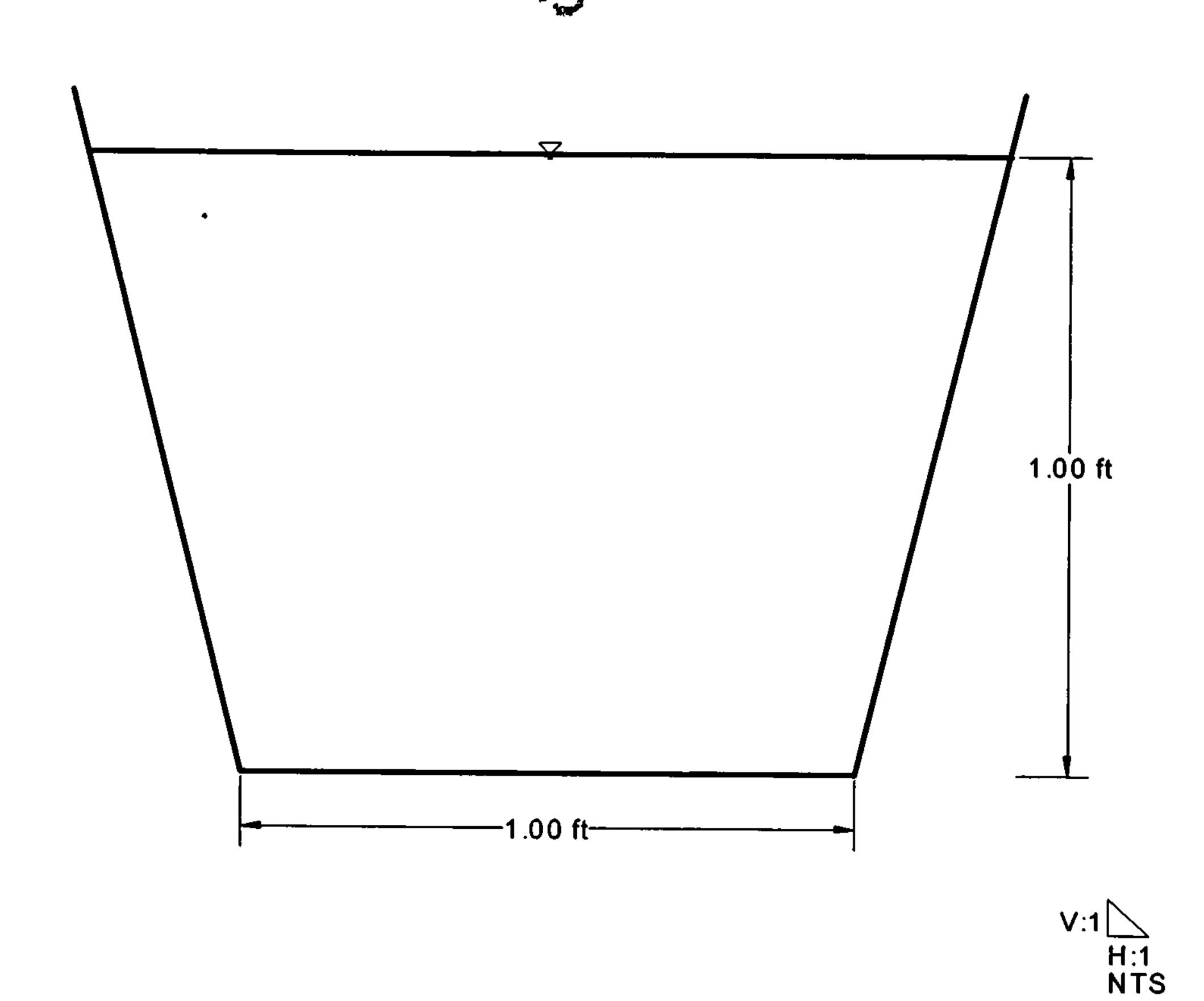
Westside Skatepark - Trapezoidal Weir Calculation Worksheet for Sharp Crested Cipolletti Weir

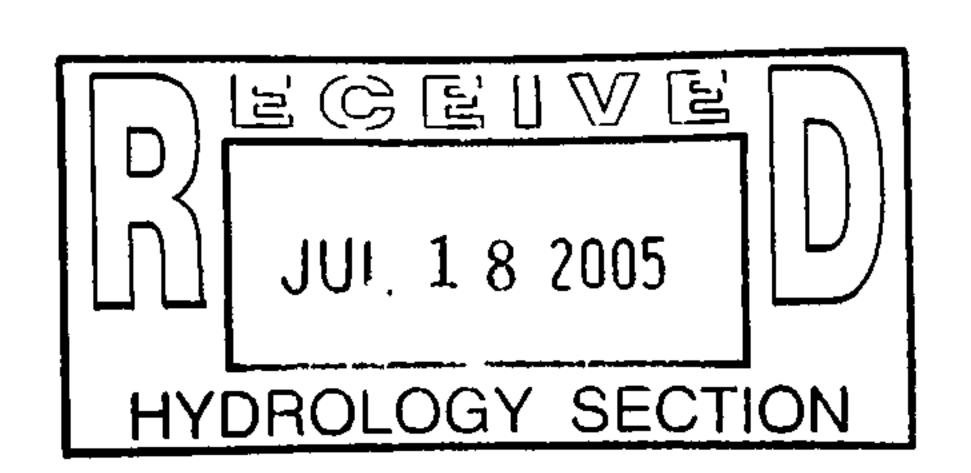


HYDROLOGY SECTION

Cross Section Cross Section for Sharp Crested Cipolletti Weir

Project Description	า	7
Worksheet.	٧	Veir - 1
Туре	S	Sharp Crested Cipolletti
Solve For R	C	Discharge
*		
Section Data		
Discharge	3.16	cfs
Headwater Elevat	1.00	ft
Crest Elevation	0.00	ft
Tailwater Elevatio	0.25	ft
Discharge Coeffic	3.33	US
Crest Length	1.00	ft

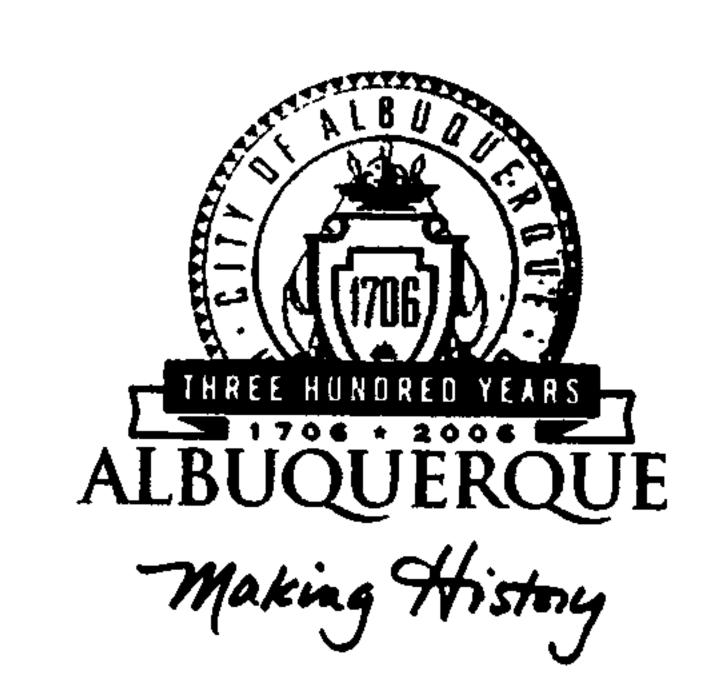




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CITY OF ALBUQUERQUE



July 28, 2005

Mario Juarez-Infante, P.E. Wilson & Company 2600 The American Rd. SE, Suite 100 Rio Rancho, NM 87124

Re: Westside Skate Park Phase 1, 6900 Gonzales Road SW, Site Development Plan

Engineer's Stamp dated 6-02-05 (L10-D13A)

Dear Mr. Juarez-Infante,

Based upon the information provided in your submittal received 7-18-05, the above referenced plan is approved for Site Development Plan for Building Permit action by the DRB. However, the above referenced plan cannot be approved for Grading and Paving Permit until the following comments are addressed:

P.O. Box 1293

- 1. The 18" wide spillway must be hardlined.
- 2. Show the proposed and existing storm drain, along with associated inverts, on the grading plan (sheets 5 and 6).

Albuquerque

3. Clearly indicate the ponding area on the grading plan (sheet 6).

If you have any questions, you can contact me at 924-3981.

New Mexico 87103

www.cabq.gov

Sincerely,

Kristal D. Metro

Engineering Associate, Planning Dept. Development and Building Services

C: File

Date Submitted: June 23, 2005

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003)		
	· · · · · · · · · · · · · · · · · · ·	ONE MAP/DRG. FILE#: Kand-L-11-Z L-10/D13A
DRB#:	EPC#:	WORK ORDER #:
LEGAL DESCRIPTION:	Alamosa Multi-Service Center, Sunse	st Gardens, Albuquerque, NM
CITY ADDRESS: 6900	Gonzales Road SW	
ENGINEERING FIRM:	Wilson & Company	CONTACT: Jesse Dickson
ADDRESS: 4	900 Lang Ave. NW	PHONE: (505) 348-4136
CITY, STATE:	Albuquerque, NM	ZIP CODE: <u>87109</u>
OWNER: City of Albuq	uerque – Parks & Recreation	CONTACT: Leroy Chavez
ADDRESS: 4	01 Coors Boulevard, NW	PHONE: (505) 831-9600
CITY, STATE:	Albuquerque, NM	ZIP CODE: <u>87121</u>
ARCHITECT: Morrow,	Reardon, Wilkinson, & Miller	CONTACT: Greg Miller
ADDRESS: 2	10 La Veta NE	PHONE: <u>505.266.2266</u>
CITY, STATE:	Albuquerque, NM	ZIP CODE: <u>87108</u>
SURVEYOR:		CONTACT:
ADDRESS:		_ PHONE:
CITY, STATE:		ZIP CODE:
CONTRACTOR:		CONTACT:
ADDRESS:		_ PHONE:
CITY. STATE:		_ ZIP CODE:
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/_ DRAINAGE REPORT		SIA / FINANCIAL GUARANTEE RELEASE
DRAINAGE PLAN 1 st	SUBMITTAL. REQUIRES TCL OR EQ	UAL PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRAD	DING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D. APPROVAL
GRADING PLAN		/_ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
EROSION CONTROL		SECTOR PLAN APPROVAL
ENGINEERS CERTIF	FICATION (HYDROLOGY)	FINAL PLAT APPROVAL
CLOMR\LOMR		FOUNDATION PERMIT APPROVAL
TRAFFIC CIRCULTA	ION LAYOUT (TCL)	BUILDING PERMIT APPROVAL
ENGINEERS CERTIF	FICATION (TCL)	CERTIFICATION OF OCCUPANCY (PERM.)
ENGINEERS CERTIF	FICATION (DRB. APPR. SITE PLAN)	CERTIFICATION OF OCCUPANCY (TEMP.)
OTHER		/_ GRADING PERMIT APPROVAL
		PAVING PERMIT APPROVAL
		WORK ORDER APPROVAL
		OTHER (SPECIFY)
	NFERENCE ATTENDED:	
YES		
./NO		
COPY PROVIDED	•	

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 submittal may be required based on the following:

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By:

Jesse Dickson

3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

CITY OF ALBUQUERQUE



June 10, 2005

Mario Juarez-Infante, P.E. Wilson & Company 2600 The American Rd. SE, Suite 100 Rio Rancho, NM 87124

Westside Skate Park Phase 1, 6900 Gonzales Road SW, Site Development Re: Plan

Engineer's Stamp dated 6-02-05 (L10-D13A)

Dear Mr. Juarez-Infante,

Based upon the information provided in your submittal received 5-27-05, the above referenced plan is approved for Site Development Plan for Building Permit action by the DRB. However, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

P.O. Box 1293

- 1. Show the proposed and existing storm drain, along with associated inverts, on the grading plan.
- 2. Why is your pond outfall an earthen berm with a 2" invert? Provide the weir equation.

Albuquerque

- 3. Provide a benchmark.
 - 4. Why not control what enters the inlet from Basin P3 by including an orifice plate?

New Mexico 87103

5. Provide a signed and dated engineer's stamp on the grading and drainage plan sheets.

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

Kristal D. Metro

Sincerely,

Engineering Associate, Planning Dept.

Development and Building Services

File

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV. 1/28/2003) PROJECT TITLE: <u>Westside Skate Park, Phase 1</u> ZONE MAP/DRG. FILE#: ______ EPC#: _____ WORK ORDER #: _ DRB#: LEGAL DESCRIPTION: Alamosa Multi-Service Center, Sunset Gardens, Albuquerque, NM CITY ADDRESS: 6900 Gonzales Road SW ENGINEERING FIRM: Wilson & Company CONTACT: Jesse Dickson ADDRESS: 4900 Lang Ave. NW PHONE: (505) 348-4136 ZIP CODE: 87109 CITY, STATE: Albuquerque, NM OWNER: City of Albuquerque - Parks & Recreation CONTACT: Leroy Chavez ADDRESS: _401_Coors Boulevard, NW PHONE: (505) 831-9600 ZIP CODE: 87121 CITY, STATE: Albuquerque, NM ARCHITECT: Morrow, Reardon, Wilkinson, & Miller CONTACT: Greg Miller ADDRESS: <u>210 La Veta NE</u> PHONE: <u>505.266.2266</u> CITY, STATE: Albuquerque, NM ZIP CODE: 87108 SURVEYOR: CONTACT:____ _____ PHONE: _____ ADDRESS: CITY, STATE: _____ ZIP CODE: ____ CONTRACTOR: CONTACT: ADDRESS: _____ PHONE: CITY, STATE: _____ ZIP CODE: ____ CHECK TYPE OF SUBMITTAL: CHECK TYPE OF APPROVAL SOUGHT: ✓ DRAINAGE REPORT SIA / FINANCIAL GUARANTEE RELEASE __/_ DRAINAGE PLAN 1st SUBMITTAL. REQUIRES TCL OR EQUAL ____ PRELIMINARY PLAT APPROVAL CONCEPTUAL GRADING & DRAINAGE PLAN S. DEV. PLAN FOR SUB'D. APPROVAL __/_ GRADING PLAN ./_ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL EROSION CONTROL PLAN SECTOR PLAN APPROVAL __/_ ENGINEERS CERTIFICATION (HYDROLOGY) FINAL PLAT APPROVAL CLOMR\LOMR FOUNDATION PERMIT APPROVAL TRAFFIC CIRCULTAION LAYOUT (TCL) **BUILDING PERMIT APPROVAL** ENGINEERS CERTIFICATION (TCL) CERTIFICATION OF OCCUPANCY (PERM.) ENGINEERS CERTIFICATION (DRB. APPR. SITE PLAN) CERTIFICATION OF OCCUPANCY (TEMP.) OTHER _____ GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL **WORK ORDER APPROVAL** OTHER (SPECIFY) WAS A PRE-DESIGN CONFERENCE ATTENDED:

— YES

— NO
— COPY PROVIDED

HYDROLOGY SECTION

Date Submitted: May 25, 2005 By: Jesse Dickson

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 submittal may be required based on the following:

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