MARCH 21, 2012

SUPPLEMENTAL INFORMATION

FOR

LOS DURANES COMMUNITY CENTER

BY



IA Project No. 1908

ISAACSON & ARFMAN, P.A.

Consulting Engineering Associates

Thomas O. Isaacson, PE & LS Fred C. Arfman, PE Åsa Nilsson-Weber, PE



DRAINAGE AND TRANSPORTATION INFORMATION SHEET (Rev. 12/05)

PROJECT TITLE: Los Duranes Community Ce	work order#: H-12 WORK ORDER#:
LEGAL DESCRIPTION: <u>A portion of Los Duranes Pa</u> CITY ADDRESS:	rk, Albuquerque, NM
ENGINEERING FIRM: ISAACSON & ARFMAN, F	
ADDRESS: <u>128 MONROE NE</u> CITY, STATE: <u>ALBUQUERQUE, NM</u>	PHONE: <u>268-8828</u> ZIP CODE: <u>87108</u>
OWNER: City of Albuquerque	CONTACT:
ADDRESS:CITY, STATE:	PHONE:
CITY, STATE:	ZIP CODE:
ARCHITECT: Greer Stafford	CONTACT: Stephen Williams
ADDRESS:CITY, STATE:	PHONE: 821-0235
CITY, STATE:	ZIP CODE:
SURVEYOR: Cartesian Surveys Inc.	CONTACT: Will Plotner, Jr.
ADDRESS:	PHONE: 896-3050
CITY, STATE: Rio Rancho, NM	ZIP CODE:
CONTRACTOR:	CONTACT:
ADDRESS:	PHONE;
CITY, STATE:	ZIP CODE:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SIA/FINANCIAL GUARANTEE RELEASE
X DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APPROVAL
DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB'D APPROVAL
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PERMIT APPROVAL
X GRADING PLAN	SECTOR PLAN APPROVAL
EROSION CONTROL PLAN	FINAL PLAT APPROVAL
ENGINEER'S CERT (HYDROLOGY)	FOUNDATION PERMIT APPROVAL
CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT	X BUILDING PERMIT APPROVAL
ENGINEER/ARCHITECT CERT (TCL)	CERTIFICATE OF OCCUPANCY (PERM) CERTIFICATE OF OCCUPANCY (TEMP)
ENGINEER/ARCHITECT CERT (TCL) ENGINEER/ARCHITECT CERT (DRB S.P.)	X GRADING PERMIT APPROVAL
ENGINEER/ARCHITECT CERT (DRB 3.F.)	PAVING PERMIT APPROVAL
OTHER (SPECIFY)	WORK ORDER APPROVAL
OTTER(or Bell 1)	OTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED:	
YES	
NO	
COPY PROVIDED	
SUBMITTED BY: Asa Weber	DATE: 3/20/2012
Isaacsan & Arfman D A	

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to the proposed development define 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 (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 subdivision containing more than ten (10) lots or constituting five (5) acres or more.

	,	CALCULATIO	NS: 1	908 Los Duranes C	ommur	ity Center : N	March 1	9, 2012
Based on Drainag				Ibuquerque Section 2				
				ON-SIT	Е		T 10 2007	
AREA OF SITE:				111623	SF	=	2.6	
				100-year, 6-hour				
HISTORIC FLO	DWS:			DEVELOPED FLO	OWS:			EXCESS PRECIP:
		Treatment SF	%			Treatment SF	%	Precip. Zone 2
Area A	=	0	0%	Area A	=	0	0%	$E_A = 0.53$
Area B	=	22325	20%	Area B	=	(0)	13%	$E_{B} = 0.78$
Area C	=	27906	25%	Area C	=	(, 0)	20%	$E_C = 1.13$
Area D	=	61393	55%	Area D	=	7500\$	67%	$E_D = 2.12$
Total Area	=	111623	100%	Total Area	_ =	111623	100%	•
On-Site Weighted	d Exces	s Precipitation (1	100-Ye	ar, 6-Hour Storm)		m	ust ho	we areas
		Weighted E =		$E_AA_A + E_BA_B + E_CA$	$A_C + E_D$	A_{D}		
				$A_A + A_B + A_C$	+ A _D	j		_
Historic E	=	1.60	in.	Developed E	=	1.7	5 in.	
On-Site Volume	of Runo	off: V360 =		E*A / 12				
Historic V ₃₆₀	=	14925	CF	Developed V ₃₆₀	<u></u>	1625		
On-Site Peak Dis For Precipitation		Rate: $Qp = Q_{pA}$	A _A +Q _{pI}	$_{\rm B}A_{\rm B}+Q_{\rm pC}A_{\rm C}+Q_{\rm pD}A_{\rm D}$	/ 43,560)	R M	ISL Show how he ponds the differen
Q_{pA}	=	1.56		Q_{pC}	=	3.14		
-p/ 1				•				
Q_{pB}	=	2.28		Q_{pD}	=	4.70		

- Pand calcis - Pands labeled



