

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

PROJECT TITLE: Holy Cross Townhomes ZONE MAP/DRG. FILE E-19-Z
DRB#: 1006844 EPC#: WORK ORDER#:

LEGAL DESCRIPTION: Tract A-1-A, Lands of Lutheran Church in America
CITY ADDRESS:

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: Hiram L. Crook
ADDRESS: PO Box 90606 PHONE: 828-2200
CITY, STATE: ABO, NM ZIP CODE: 87199

OWNER: Holy Cross Lutheran Church CONTACT: Joseph Pappe Jr
ADDRESS: 6901 Wyoming Blvd. NE PHONE: (505) 821-4676
CITY, STATE: ABO, NM ZIP CODE: 87109

ARCHITECT: NA CONTACT:
ADDRESS: PHONE:
CITY, STATE: ZIP CODE:

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: PO Box 30701 PHONE: 328-3988
CITY, STATE: Albuquerque NM ZIP CODE: 87190

CONTRACTOR: NA CONTACT:
ADDRESS: PHONE:
CITY, STATE: ZIP CODE:

TYPE OF SUBMITTAL:		CHECK TYPE OF APPROVAL SOUGHT:	
	DRAINAGE REPORT		SIA/FINANCIAL GUARANTEE RELEASE
	DRAINAGE PLAN 1 st SUBMITTAL		PRELIMINARY PLAT APPROVAL
	DRAINAGE PLAN RESUBMITTAL		S. DEV. PLAN FOR SUB'D APPROVAL
X	CONCEPTUAL G & D PLAN	X	S. DEV. FOR BLDG. PERMIT APPROVAL
	GRADING PLAN		SECTOR PLAN APPROVAL
	EROSION CONTROL PLAN		FINAL PLAT APPROVAL
	ENGINEER'S CERT (HYDROLOGY)		FOUNDATION PERMIT APPROVAL
	CLOMR/LOMR		BUILDING PERMIT APPROVAL
	TRAFFIC CIRCULATION LAYOUT		CERTIFICATE OF OCCUPANCY (PERM)
	ENGINEER/ARCHITECT CERT (TCL)		CERTIFICATE OF OCCUPANCY (TEMP)
	ENGINEER/ARCHITECT (DRB SITE PLAN)		GRADING PERMIT APPROVAL
	OTHER		PAVING PERMIT APPROVAL
			WORK ORDER APPROVAL
			OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:
YES
NO
COPY PROVIDED

SUBMITTED BY: Hiram L. Crook DATE: August 21, 2015

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.

Revised 10/10/76

DRAINAGE REPORT

ACADEMY ACRES

UNIT - 13.

ALBUQUERQUE, NFM MEXICO



MURRAY-McCORMICK, INC.
ENVIRONMENTAL DESIGN

ECOSYSTEMS ANALYSIS • PLANNING • LAND SURVEYS • ENGINEERING

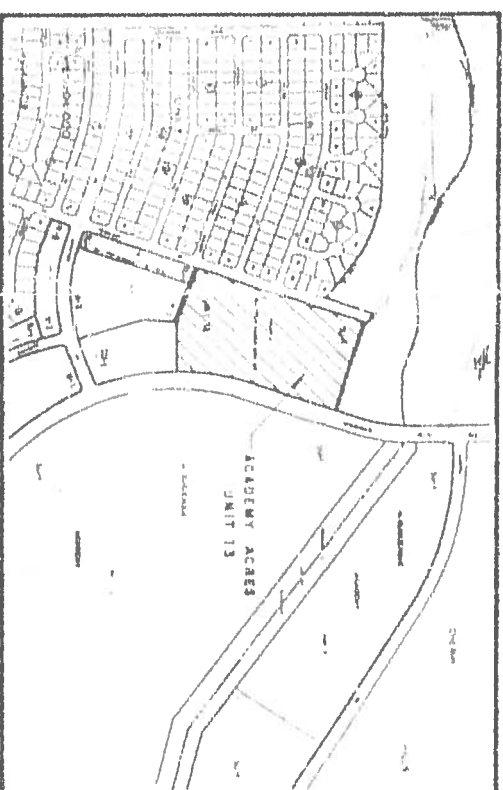
2601 WYOMING BLVD., NE. SUITE F / ALBUQUERQUE, N.M. 87110 / 505-292-1936

ACADEMY ACRES
UNIT 13

TRACT 'A-2'

8.97 cfs

MAY 1975

VICINITY MAP
Scale: 1" = 300' (approx.)

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[illegible]

FIGURE 1

DEVELOPED DRAINAGE CHARACTERISTICS



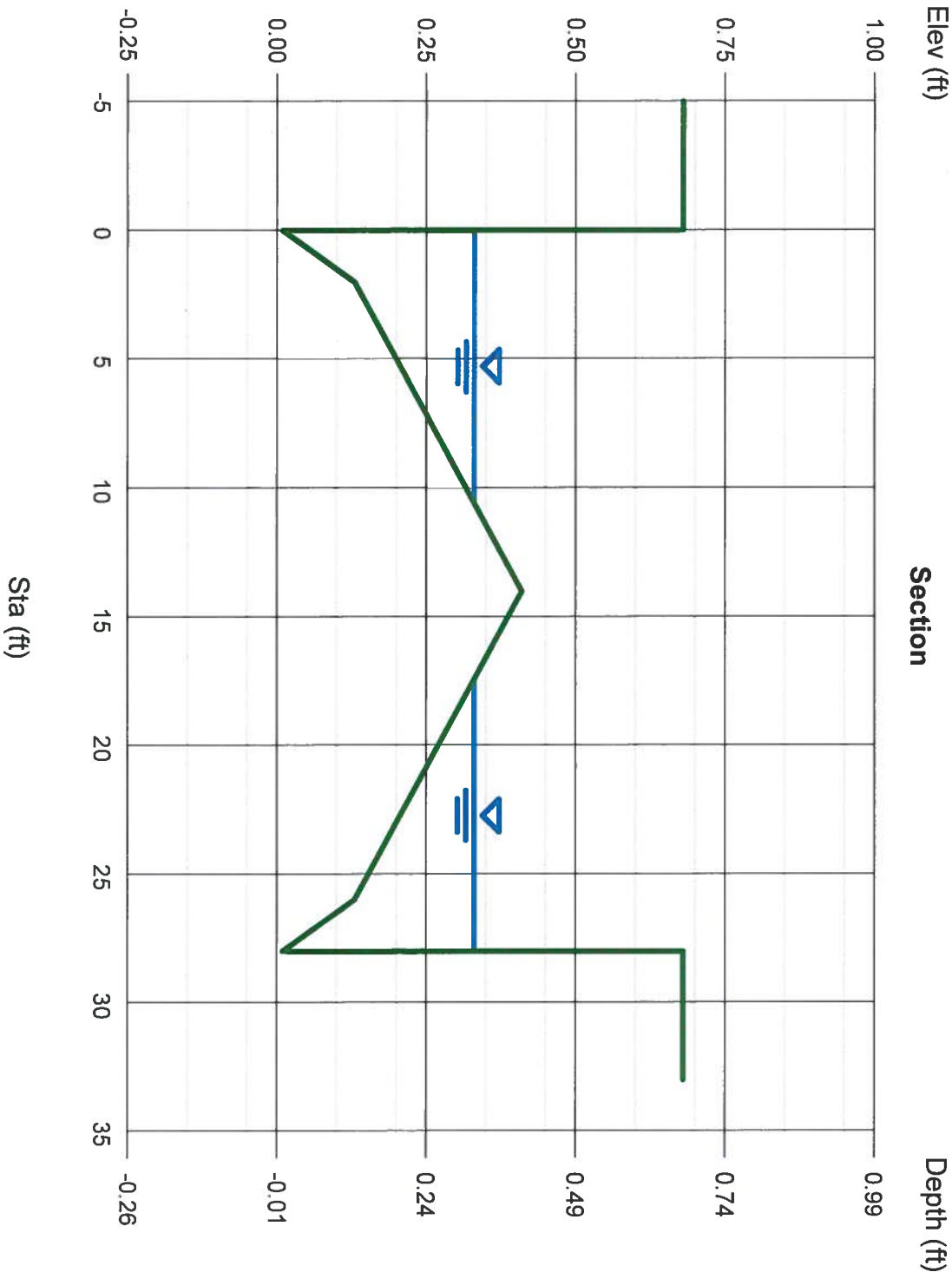
MURRAY-McCORMICK, INC.
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Channel Report

VICKREY RD. Q100 Street Capacity (50 ROW)

User-defined		Highlighted	
Invert Elev (ft)	= 0.01	Depth (ft)	= 0.32
Slope (%)	= 2.00	Q (cfs)	= 8.980
N-Value	= 0.016	Area (sqft)	= 2.76
		Velocity (ft/s)	= 3.26
Calculations		Wetted Perim (ft)	= 21.79
Compute by:	Known Q	Crit Depth, Yc (ft)	= 0.38
Known Q (cfs)	= 8.98	Top Width (ft)	= 21.15
		EGL (ft)	= 0.49
(Sta, EI, n)-(Sta, EI, n)...			
(0.00, 0.68)-(0.01, 0.01, 0.013)-(2.01, 0.13, 0.013)-(14.01, 0.41, 0.017)-(26.01, 0.13, 0.017)-(28.01, 0.01, 0.013)-(28.02, 0.68, 0.013)			





HALL ENGINEERING COMPANY INC.
ENGINEERING • SURVEYING • PLANNING • CONSTRUCTION

DRAINAGE REPORT

TRACTS D-1-A AND D-1-B
ACADEMY ACRES UNIT 17

January, 1991



-Type 'A' Surface Intert

SCALE: 1" = 50'

5390

ARROYO
797.16
31.30

2.4

EXISTING 200' TEMPORARY
DRAINAGE EASEMENT

(Vickrey)

$$4.1 \text{ cfs} + 8.97 \text{ cfs} = 13.07 \text{ cfs}$$

HOLY CROSS LUTHERAN CHURCH

*-Phase I Construction:
Build Temporary Asphalt Rundown
(See Detail Sheet)*

Phase II Construction:
Remove Temporary Asphalt Rundown & Concrete Rundown. Build Concrete Sidewalk & Double 'C' Catch Basin per City Standard & Connect to Phase I Storm Drain.

S 20°00'00" W

33.18

AS DR. NE

VICKREY DR. NE.

- Retaining Wall

Channel Report

Hydraflow Express Extension for AutoCAD® Civil 3D® 2013 by Autodesk, Inc.

Friday, Aug 21 2015

San Antonio Dr. Q100 Street Capacity (24' F-F)

User-defined		Highlighted	
Invert Elev (ft)	= 100.00	Depth (ft)	= 0.41
Slope (%)	= 1.00	Q (cfs)	= 13.07
N-Value	= 0.015	Area (sqft)	= 4.03
		Velocity (ft/s)	= 3.24
		Wetted Perim (ft)	= 19.70
		Crit Depth, Yc (ft)	= 0.45
		Top Width (ft)	= 19.68
		EGL (ft)	= 0.57
Calculations			
Compute by:	Known Q		
Known Q (cfs)	= 13.07		
(Sta, EI, n)-(Sta, EI, n)...			
(0.00, 100.50)-(6.00, 100.25)-(12.00, 100.00, 0.015)-(18.00, 100.25, 0.015)-(24.00, 100.50, 0.015)-(24.10, 100.51, 0.015)			

