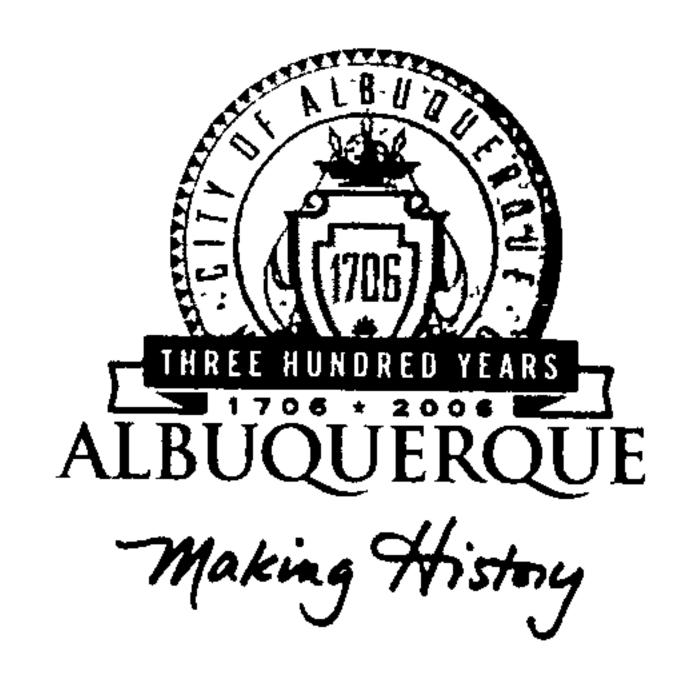
CITY OF ALBUQUERQUE



November 7, 2005

J. Graeme Means, PE Jeff Mortensen & Associates, Inc. 6010-B Midway Park Blvd. NE Albuquerque, NM 87109

Re: Jefferson Point, NW Corner of Jefferson & McLeod Grading and Drainage Plan Engineer's Stamp dated 11-1-05 (F17/D69)

Dear Mr. Means,

Based upon the information provided in your submittal received 11-1-05, the above referenced plan is approved for Site Development Plan and Preliminary Plat action by DRB.

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

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov C: File

Sincerely,

Rudy E. Rael, Associate Engineer

Planning Department.

Building and Development Services

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

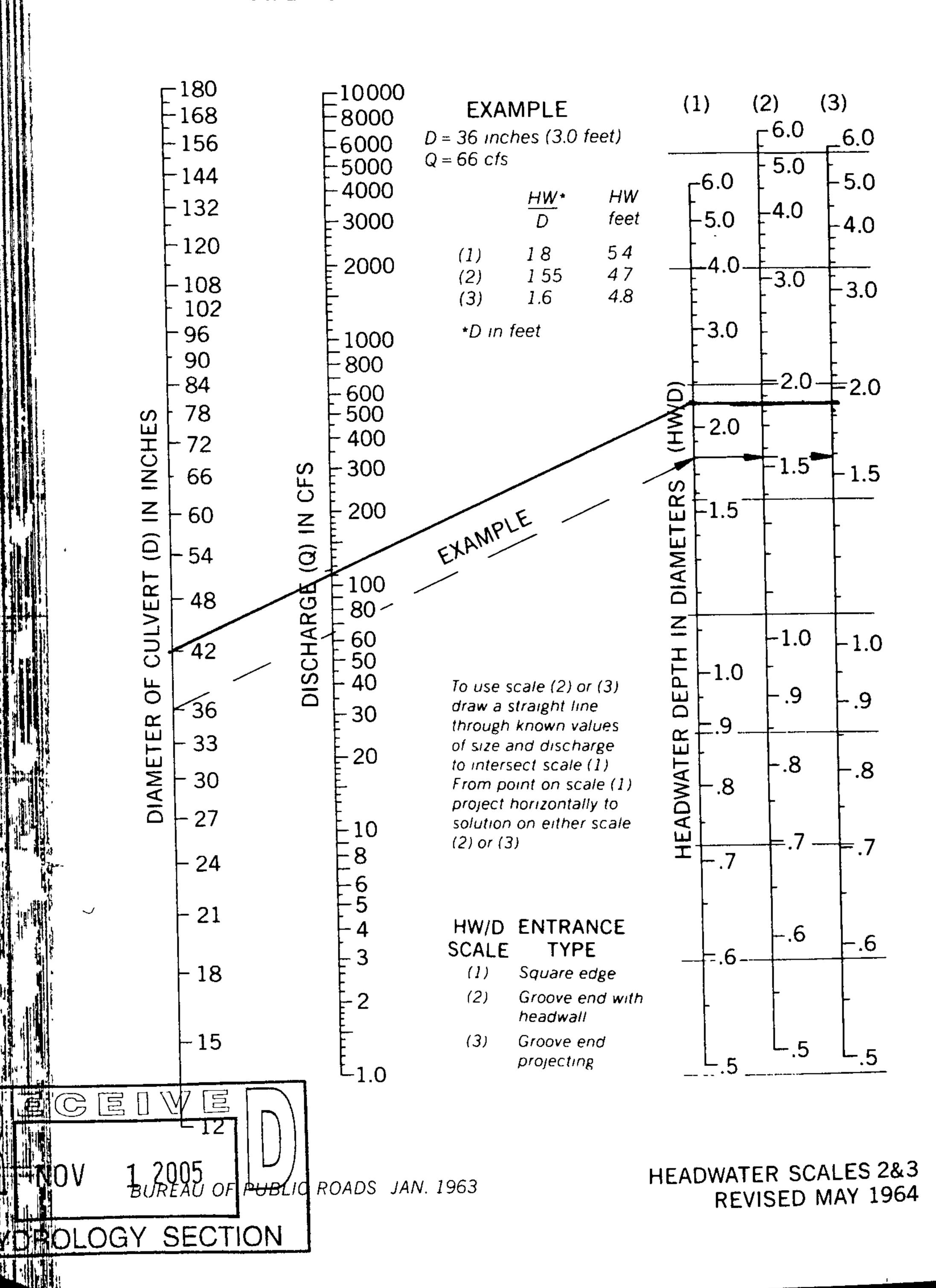
PROJECT TITLE: DRB #:	Jefferson Point EPC #:	ZONE ATLAS/DRNG WORK ORDER #:	. FILE #: <u>F17/D69</u>
LEGAL DESCRIPTION: CITY ADDRESS: NV	V Corner of Jefferson and McLeod NE		
ENGINEERING FIRM: ADDRESS: CITY, STATE: OWNER: ADDRESS: CITY, STATE:	Jeff Mortensen & Assoc., Inc. 6010-B Midway Park Blvd. NE Albuquerque, NM McLeod Realty, Inc	CONTACT: PHONE: ZIP CODE: PHONE: PHONE: ZIP CODE:	J. Graeme Means (505) 345-4250 87109 Mark Bates 379-3334
ARCHITECT: ADDRESS: CITY, STATE: SURVEYOR: ADDRESS:	Briscoe Architects, P.C. 2001 Carlisle Blvd NE, Suite A Albuquerque, NM Jeff Mortensen & Associates	CONTACT: PHONE: ZIP CODE: CONTACT: PHONE:	John Briscoe 262-0193 87110 Chuck Cala 345-4250
CITY, STATE: CONTRACTOR: ADDRESS: CITY, STATE:	Reid & Associates 6300 Riverside Plaza NW Albuquerque, NM	ZIP CODE: CONTACT: PHONE: ZIP CODE:	Gerry Gallegos 891-2528 87120
X CONCEPTUAL GRADING PLAN GRADING PLAN EROSION CONTR ENGINEER'S CER CLOMR/LOMR TRAFFIC CIRCUL ENGINEER'S CER	1 st SUBMITTAL, <i>REQUIRES TCL or equal</i> RESUBMITTAL RADING & DRAINAGE PLAN	PRELIMINARY PLA S. DEV. PLAN FOR S. DEV. PLAN FOR SECTOR PLAN API FINAL PLAT APPRO FOUNDATION PER BUILDING PERMIT CERTIFICATE OF C	ARANTEE RELEASE IT APPROVAL SUB'D APPROVAL BLDG. PERMIT APPROVAL PROVAL OVAL MIT APPROVAL APPROVAL OCCUPANCY (PERM.) OCCUPANCY (TEMP.) APPROVAL PPROVAL
WAS A PRE-DESIGN CONTROL NO COPY PROVIDED	ONFERENCE ATTENDED:	SOOZ I.	ABN U
DATE SUBMITTED:	11/01/05 BY: <u>J. Graen</u>	ne Means	

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 upon the following:

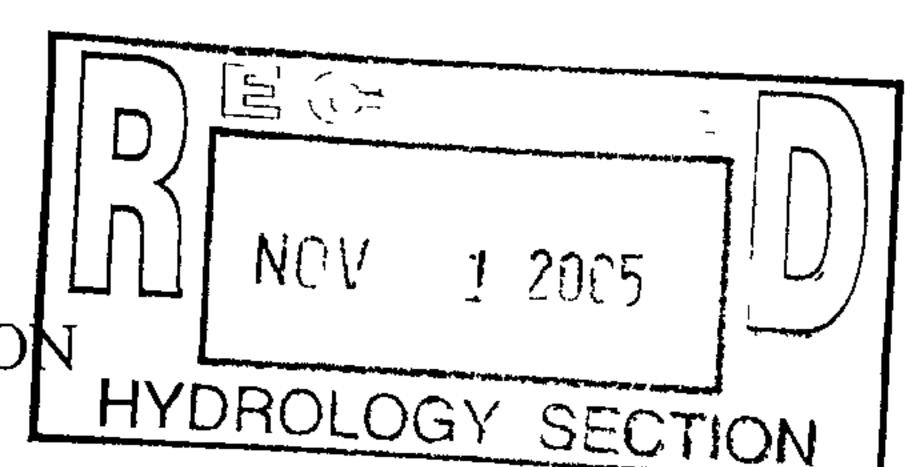
- 1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
- 2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
- 3. Drainage Report: Required for subdivisions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

FIGURE 33

HEADWATER DEPTH FOR CIRCULAR CONCRETE PIPE CULVERTS WITH INLET CONTROL



CITY OF ALBUQUERQUE DEVELOPMENT & BUILDING SERVICES CENTER PLANNING DEPARTMENT/HYDROLOGY SECTION



CONFERENCE RECAP

CROSS REFERENCE N	E ATLAS PAGE NUMBE UMBERS: EPC	R: <u>F-17</u> _ DRB	DATE: <u>08/08/05</u> DRC
SUBJECT: STREET ADDRESS: Mc SUBDIVISION NAME: 1	LEOD & JEFFERSON I McLEOD BUSINESS PA	NE RK	
Y PRELIMINARY I SITE DEVELOPN OTHER <u>VA</u>		ZAL X X X	FINAL PLAT BUILDING PERMIT ROUGH GRADING
ATTENDEE: Graeme Means Brad Bingham	ORGANIZATIO JMA City Hydrologi		PHONE: 345-4250 924-3986

FINDINGS:

- Need to perform current offsite basin analysis taking into account upstream ponding and length of basin.
- D/S capacity assumed to exist based on AMAFCA box culvert
- Free discharge to existing pond may be appropriate based on length of basin, d/s capacity, location at bottom of watershed, overflow and bypass to NMDOT right-of-way, and finished floor elevations of adjacent structures (well above spill elevation).
- Need to demonstrate capacity of existing 18" pipe and whatever new parallel pipe is proposed on Aaron Rents site. These pipes shall not be limiting.
- Will need additional private drainage easement for parallel pipe.
- Provide copy of existing public easement at McLeod and I-25 frontage road

THE UNDERSIGNED AGREE THAT THE ABOVE FINDINGS ARE SUMMARIZED ACCURATELY AND ARE ONLY SUBJECT TO CHANGE IF FURTHER INVESTIGATION REVEALS THAT THE FINDINGS ARE NOT REASONABLE OR THAT THEY ARE BASED UPON INACCURATE INFORMATION.

SIGNED: But B	SIGNED:
TITLE: Cty Hydrologist	TITLE: Content
DATE: 8/15/6	DATE: 08-15- 2005

NOTE: PROVIDE A COPY OF THIS RECAP WITH DRAINAGE SUBMITTAL

Worksheet Worksheet for Pressure Pipe

Project Description		
Worksheet	Pressure Pipe	
Flow Element	Pressure Pipe	
Method	Manning's Forr	
Solve For	Discharge	

Input Data		
Pressure at 1	2.59	psi
Pressure at 2	2.17	psi
Elevation at 1	29.70	π
Elevation at 2	27.00	ft
Length	§ 40.00	ft
Mannings Coef		
Diameter	36	in

Results		
Discharge	54.97	cfs
Headloss	3.67	π
Energy Grade at	36.61	π
Energy Grade at	32.95	ît
Hydraulic Grade	35.67	π
Hydraulic Grade a	32.01	Ħ
Flow Area	7.1	ft²
Wetted Perimeter	9.42	Ř
Velocity	7.78	ft/s
Velocity Head	0.94	ft
Friction Slope	006794	ft/ft

