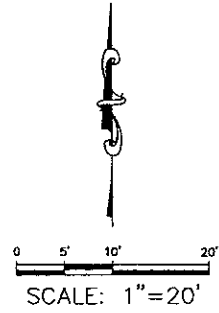


09VE015



LOT 4R

STOCKADE DRIVE

LOT 5 OF BLOCK 8 OF COUNTRY CLUB HEIGHTS

2926 STOCKADE DRIVE HOUSE

SHED

PROPOSED ADDITION (16'x20')

PREVIOUSLY VACATED EASEMENT

NEW ELEVATED DECK WITH SUPPORT POSTS AND STAIRS TO BE CONSTRUCTED WITH HOUSE ADDITION

EASEMENT VACATION PROPOSED BY THIS STUDY

EXISTING DECK TO BE REMOVED ONLY AT LOCATION OF NEW ADDITION; PORTION OF EXISTING DECK OUTSIDE OF NEW ADDITION TO REMAIN

EXISTING DRAINAGE EASEMENT LINE

**BENCH MARK**  
 CITY BENCH MARK NO. 2071,  
 SW CORNER OF INTERSECTION  
 OF TOMAHAWK DRIVE AND  
 STOCKADE DRIVE  
 N 642183.13  
 E 1196273.78  
 EL=3354.13 (NGVD 29)

LOT 6

**F M G, Inc.**  
 3700 Sturgis Road  
 Rapid City, SD 57702-0317  
 (605) 342-4105 FAX (605) 342-4222  
 www.fmgengineering.com



File Number  
090029

Location:

Surveyed By:  
Date

Drawn By: JRK/JFP  
Checked By: JDF

**HYDRAULIC STUDY AND REPORT**  
 FOR ADDITION TO HOME AT  
 2926 STOCKADE DRIVE  
 RAPID CITY, SD

AUGUST 2009

REVISION 1  
 AUG 31, 2009  
 REVISED EASEMENT  
 ADD NEW DECK &  
 STAIRS, KEEP EXISTING  
 DECK. CORRECTED  
 SECTION 1180 WSE FOR  
 1600 CFS. ADD FLOW  
 DESCRIPTION, DELETED  
 REV 1 INFORMATION.

Revision / Date

Sheet Name  
ENLARGED SITE MAP

Figure Number  
**5**

090029 Kalkman Flood Survey at Arrowhead.txdw090029.HECRAS.REV.dwg FIG. 5 8/31/2009 8:23:13 AM