

MAIN STREET SQUARE COMPUTED SURVEY ALIGNMENT

6TH STREET  
BOP STA 1+00.00  
N = 50847.0150  
E = 49652.6670

EOP STA 4+79.66  
N = 51214.2910  
E = 49748.8300

ALLEY  
BOP STA 0+00.00  
N = 51039.3600  
E = 49703.0300

EOP STA 4+49.72  
N = 50824.2600  
E = 50137.7600

MAIN STREET  
BOP STA 1+00.00  
N = 50731.8650  
E = 50087.5870

EOP STA 5+49.91  
N = 50847.0150  
E = 49652.6670

CONSTRUCTION LIMITS TABLE

6TH STREET - MAIN STREET TO RAIL ROAD TRACKS  
STA 1+00 TO 4+79.66

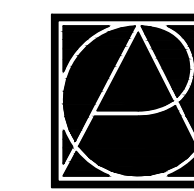
MAIN STREET - 5TH STREET TO MAIN STREET  
STA 1+00 TO 5+49.91

ALLEY - 5TH STREET TO 6TH STREET  
STA 0.00 TO 4+49.72

PROJECT SURVEY CONTROL POINTS	NORTH	EAST	ELEVATION	STATION	OFFSET
CP 26 PK NAIL	51040.48	49733.57	3227.31	3+07.64	29.26' R
CP 77 PK NAIL	50842.67	49831.48	3227.66	1+41.09	174.09' R
CP 78 PK NAIL	50881.35	49699.63	3229.01	1+45.11	36.74' R
CP 2043 BRASS CAP	50000.00	50000.00	3232.58		

PROJECT DATUM AND BASIS OF COORDINATES:

THE PROJECT DATUM IS BASED ON N.A.D. 1983/96. THE COORDINATES ARE MODIFIED SOUTH DAKOTA SOUTH ZONE STATE PLANE COORDINATES. BEARINGS ARE GRID BEARINGS. DISTANCES ARE GROUND DISTANCES. THE COMBINED SCALE FACTOR USED FOR THIS SITE IS 0.9997874. THE BASIS OF COORDINATES WAS RAPID CITY CONTROL MONUMENT NUMBER 2043. (NORTH=649418.450, EAST=1208642.178, ELEVATION=3232.647) THE SITE COORDINATES FOR CITY CONTROL POINT 2043 EQUAL N 50000.00 E 50000.00 THE BASIS OF ELEVATION WAS RAPID CITY CONTROL MONUMENT NUMBER 1023. (ELEVATION=3222.58) THE VERTICAL DATUM IS BASED UPON NGVD 1927.



**RUNDELL ERNSTBERGER ASSOCIATES, LLC**  
Land Planning + Urban Design + Landscape Architecture  
611 W Main Street, Suite 201, Louisville, KY 40202  
TE [502] 561.8676 FX [502] 561.9076  
E-mail: reas@reasite.com  
www.reasite.com

additional offices in:  
Indianapolis, IN | Muncie, IN

PREPARED FOR:

**City of Rapid City**  
Public Works Department  
300 Sixth Street, Rapid City, SD 57701  
TE [605] 394-4165 FX [605] 355-3083

**Destination Rapid City**  
606 Main Street, Rapid City, SD 57701  
TE [605] 716-7979 FX [605] 341-6415

CONSULTANTS:

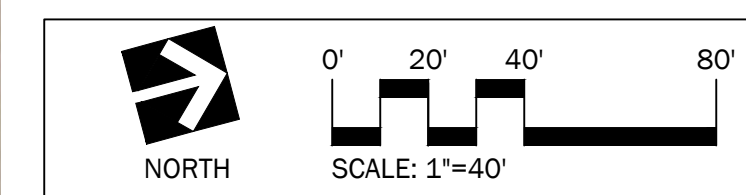
**FourFront Design, Inc.**  
Architecture and Civil Engineering  
517 Seventh Street  
Rapid City, SD 57701  
TE [605] 342-9470 FX [605] 342-2377

**Skyline Engineering, LLC**  
Electrical and Mechanical Engineering  
615 12th Street  
Rapid City, SD 57701  
TE [605] 737-3830 FX [605] 737-3859

**Albertson Engineering, Inc.**  
Structural Engineering  
3202 W Main Street, Suite C  
Rapid City, SD 57702  
TE [605] 343.9606 FX [605] 341.7395

PROJECT:

**Main Street Square  
Site Development  
Rapid City, South Dakota**



REVISIONS:

NO.	BY	DESCRIPTION	DATE
—	REA	100% CONSTRUCTION DRAWINGS REVIEW SET	9/08/10

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DRAWING NAME:

**Survey Control  
June 2009**

<b>100% CDs OWNER REVIEW SET</b>	CITY #:	PR2010-1901
	Project No.:	091131
	Date:	Sept. 8, 2010
	Drawn by:	CME
	Checked by:	EAH
File:	1592-L02-SUR CONTROL.dwg	
DRAWING #:		

**SD 4.14**

