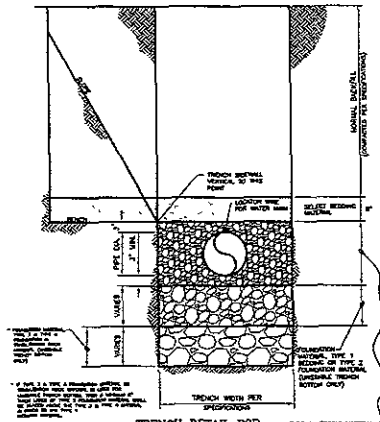
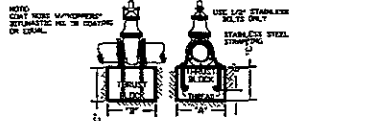


07PD099



TRENCH DETAIL FOR WATER & SEWER MAIN (RAPID CITY STANDARD #17-3)

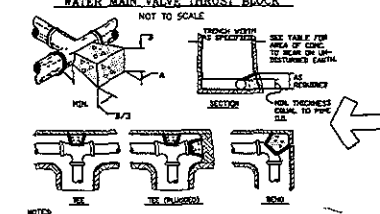


NOTES:

1. PRESSURES SHOWN ABOVE AND MAXIMUM WORKING PRESSURE OF FITTING.
2. TO BE INSTALLED AS CALLED FOR AND AS NOTED ON ALL FITTINGS ON THE PLAN.
3. FOR OTHER CONDITIONS, THRUST BLOCKS MUST BE COMPUTED AND APPROVED.

PIPE SIZE	VALVE	3/4"	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	6"	8"	10"	12"
12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"
24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"
42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"
48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"
54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"
60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"

WATER MAIN VALVE THRUST BLOCK

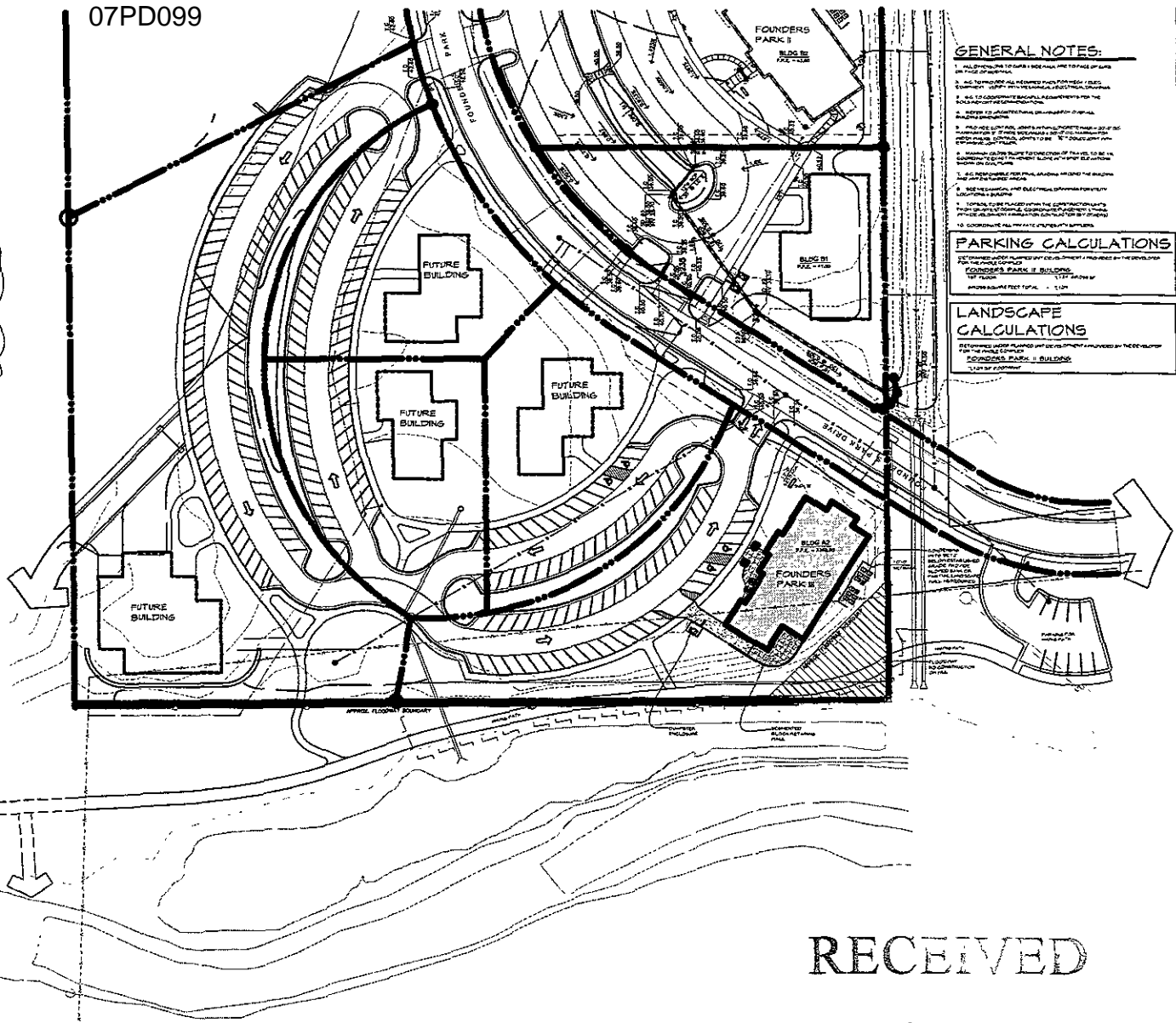


NOTES:

1. AT DEAD ENDS, USE FITTINGS WITH 4 MIL. POLYETHYLENE TO BOND SMOKE BETWEEN CONCRETE AND FITTINGS.
2. BETWEEN CONCRETE AND FITTINGS, USE POLYETHYLENE CONCRETE WRAP & REINFORCE WITH 3/8" X 12" BARS AT 18" ON CENTER.
3. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 4000 PSI.
4. THRUST BLOCKS SHALL BE CAST IN PLACE AND SHALL BE REINFORCED WITH 3/8" X 12" BARS AT 18" ON CENTER.
5. THRUST BLOCKS SHALL BE CAST IN PLACE AND SHALL BE REINFORCED WITH 3/8" X 12" BARS AT 18" ON CENTER.
6. THRUST BLOCKS SHALL BE CAST IN PLACE AND SHALL BE REINFORCED WITH 3/8" X 12" BARS AT 18" ON CENTER.
7. THRUST BLOCKS SHALL BE CAST IN PLACE AND SHALL BE REINFORCED WITH 3/8" X 12" BARS AT 18" ON CENTER.
8. THRUST BLOCKS SHALL BE CAST IN PLACE AND SHALL BE REINFORCED WITH 3/8" X 12" BARS AT 18" ON CENTER.
9. THRUST BLOCKS SHALL BE CAST IN PLACE AND SHALL BE REINFORCED WITH 3/8" X 12" BARS AT 18" ON CENTER.
10. THRUST BLOCKS SHALL BE CAST IN PLACE AND SHALL BE REINFORCED WITH 3/8" X 12" BARS AT 18" ON CENTER.

FITTING SIZE & PLUG	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND	SP. BOND
12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"
24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"
42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"	42"
48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"	48"
54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"	54"
60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"

WATER MAIN FITTINGS THRUST BLOCK DETAIL



GENERAL NOTES:

1. ALL DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.
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8. ALL DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.
9. ALL DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.
10. ALL DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.

PARKING CALCULATIONS

FOR THE PROPOSED DEVELOPMENT AS SHOWN ON THE DEVELOPER'S SITE PLAN.

FOUNDERS PARK II BUILDING

1,111 SQUARE FEET

1.111 SQUARE FEET PER SPACE

LANDSCAPE CALCULATIONS

AS SHOWN ON THE LANDSCAPE ARCHITECT'S PLAN.

FOUNDERS PARK II BUILDING

1,111 SQUARE FEET

1.111 SQUARE FEET PER SPACE

WILLIAMS & ASSOCIATES ARCHITECTURE, INC.

125 E. Colorado Blvd., Suite 2A, Spearfish, South Dakota 57783
 Phone: (605) 642-2009 Email: williams@williamsarch.com Fax: (605) 642-3339

Project Title
FOUNDERS PARK III

RAPID CITY, SOUTH DAKOTA

Project No.
 07-26

Revision
 12-14-07

Drawn By
 DD 12-0-07

Checked By
 AMF

Sheet Title
SITE PLAN

Sheet Number
1.10

RECEIVED

DEC 14 2007

Rapid City Growth Management Department

SITE PLAN
 SCALE 1" = 40'-0"

