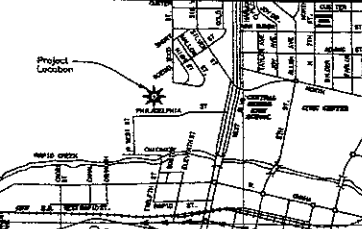


Scale 1"=100'



Rapid City Key Map
 NTS 1400 Philadelphia St SE 1/4 Sec 36 T2N R7E

Founders Park Water Main Extension Phase 3

NOTE REGARDING PLANS:
 All proposed infrastructure show on these plans by others, except water main extension. Existing grade shown on profile proposed by others.

- SHEET INDEX:**
- Sheet 1: Layout and notes.
 - Sheet 2: Plan & Profile Propose Future North St
 - Sheet 3: Plan & Profile Propose Future 11th St.
 - Sheet 4: Plan & Profile Propose Future 12th Street

Legend

Centerline	—————
Contour Inter. Existing	—————
Contour Proposed	—————
Gas Line Existing	—————
Property	—————
Sanitary Sewer Proposed	—————
Sanitary Sewer Existing	—————
Storm Sewer Proposed	—————
Storm Sewer Existing	—————
Telephone Existing	—————
Water Line Proposed	—————
Water Line Existing	—————
Quarter Acre	●
Existing Trees	●
Drainage Direction	—————

Water Main Notes:
 Regarding Water Main and appurtenances, Ref Rapid City 2004 Standard Specifications as applicable for orthotic protection

- For ALL metallic components see applicable:
1. Use ONLY galvanized socket, clean sand or soil with non-corrosive properties for bedding 18" in all directions, or flexible fill 12" all directions around metallic components
 2. Use ONLY Cor-Bus series 500 formers or equal.
 3. DOUBLE wrap w/ polyethylene and securely tape ends to entire pipe OD.

Use ONLY high deflection pipe couplings Remco style S01 or equal when vertical or horizontal deflections needed at locations other than bends shown.

GENERAL NOTES:

- Use 2004 City of Rapid City Standard Specifications & Details
- Field verify location & elevation of all existing features prior to beginning work.
- Contact "SD ONE-CALL" prior to beginning work.
- Obtain Air Quality permit prior to beginning work.
- Floos & maintain sediment barriers. Prevent sediment from leaving work zone.
- Floos "Construction Ahead" & "Truck Entrance" signs in Philadelphia Street. Other signing required per Manual of Uniform Traffic Control Devices (MUTCD)

**CITY OF RAPID CITY
 GROWTH MANAGEMENT DEPT
 DEVELOPMENT SERVICES**

Plans are reviewed for general conformance with applicable governmental regulations stipulations, design criteria and engineering standards. The City of Rapid City does not certify the suitability, adequacy or completeness of the plans or design which are the responsibility of the engineer of record. All necessary permits shall be obtained prior to construction of the proposed public improvements.

Engineering Review:	Date:
COMMENTS:	

PIPE RESTRAINT TABLE:

- EBAA Iron Section 1600 or equal
- Signal Heights Reservoir 3406
- Dead End & Valves (each way): 25 ft.
- Tees: 12x6, 12x8, 2x6 8ft along branch.
- 12", 8" x 11 1/4 deg bend: 8 ft each way
- 12", 8" x 22 1/2 deg bend: 8 ft each way
- 12", 8" x 45 deg bend: 16 ft each way
- 12", 8" x 90 deg bend: 37 ft each way

Sediment Control Notes:

The work area as included in an NPDES Permit issued by the SD DENR. Contractor shall use Rapid City standard sediment control devices.
 Prevent sediment from leaving work zone.

05106 Founders Park Water Main Extension Phase 3

	Project no.:	0510603
	date:	3/07/07
	file:	07005
	sheet:	1 of 4

Rapid City Growth Management Department
 RECEIVED
 MAR 12 2007