10SV002

Legend
Centerline
Contour Index Existing
Contour Inter Existing
Contour Proposed
Cor Line Existing
Property
Sanitary Sewer Proposed
Sanitary Sewer Existing
Storm Sewer Proposed
Storm Sewer Existing
Telephone Existing
Water Line Proposed
Water Line Existing
Chainlink Fence
Existing Trees
Drainage Direction

Scale: 1"=100'

Philadelphia Street

W. Chicago Street

EXECUTIVE GOLF COURSE

Water Main Extension
East Phase

Sedimark Barrack Tyn

RAPID CREEK

Rapid City Key Map

NTS

SHEET INDEX:

Sheet 1: Layout and notes.
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Sheet 3: W. Chicago St Plan & Profile: 0+00 to 1+50
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Sheet 5: W. Chicago St Plan & Profile: 6+00 to 11+00
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Sheet 12: South Sewer Main Extension
Sheet 13: Utility Master Plan

RECEIVED JAN 2010 Rapid City Growth Management Department

SUBMITTAL

PHILADELPHIA ST.
CHICAGO
EXECUTIVE DR.
OMAHA ST.
RAPID ST.
SILVER ST.
CENTRAL SENIOR HIGH SCHOOL
Rapid Creek

TRAFFIC CONTROL NOTES

Attend pre-construction meeting coordinate sign locations, schedule.

(1) No Outlet; Road Closed to Through Traffic

(2) No Outlet, Road Closed to Through Traffic.

12" Mechanical Restraints:

Valves, Dead ends (each way): 52 Ft
11¼ deg bend: 4 Ft
22½ deg bend: 8 Ft
45 deg bend: 10 Ft
90 deg bend: 20 Ft
Tee 12x8: 12x8: 4 Ft

Founders Park: Layout and Notes

CENTERLINE
320 Kansas City Street, Suite 201, Rapid City, SD 57701
Phone: (605) 342-2392 Fax: (605) 342-0480
email@cpi.com

project no.: 03_106
date: 5/12/06
file: 06002.Road
sheet: 1 of 12

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.

Place & maintain sediment barriers and stabilized construction entrance. Prevent sediment from leaving work zone.

Place "Construction Ahead" & "Truck Entrance" signs in Philadelphia Street. Other signing required per Manual of Uniform Traffic Control Devices (MUTCD)

Sediment Control Notes:

This work area is 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.

Lighting & Signing Notes:
SL - Street Light Location
SN - Street Name
R1-1 Stop Sign
R1-2 Yield Sign
R2-1 Speed Limit Sign
25 mph Unless otherwise noted
W7-1 Ice Sign
W14-2 No Outlet Sign
W-1 Triple Diamond Barricade
Red & White reflective

Street light conduit & signing are installed, mounting, & locations per City of Rapid City Standards.

Coordinate w/ City Traffic Division & private utility companies.

PIPE RESTRAINT TABLE:
City prior approval required for 6" mains

ductile Iron Series 2000PV or equal

Signal Heights Reservoir 3406

Dead End & Valves (each way): 52 ft.
Tees: 10x6, 12x6, 12x8, 3 ft along branch.
10", 8" x 11¼ deg. bend: 3 ft each way
10", 8" x 22½ deg. bend: 4 ft each way
10", 8" x 45 deg. bend: 6 ft each way
10", 8" x 90 deg. Bend: 16 ft each way

SEE REVISED TABLE

Water Main Notes

Regarding Water Main and appurtenances Ref. Rapid City 2004 Standard Specifications as applicable for corrosion protection

For ALL metallic components as applicable.
1. Use ONLY granular backfill, clean sand or soil with non-corrosive properties to backfill 18" in all directions, or flexible fill 12" all directions around metallic components.
2. Use ONLY Con-Shur series 300 Retainers or equal
3. DOUBLE wrap w/ polyethylene and squeezy tape ends to entire pipe OD.

Use ONLY high deflection pipe couplings, Romac style 501 or equal when vertical or horizontal deflections needed at locations other than bends shown

CITY OF RAPID CITY
GROWTH MANAGEMENT DEPT.
DEVELOPMENT SERVICES

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

Engineering Revisions Date
Comments

DEV 06-821