Notes:
1. See Section 8B and associated details for cathodic protection and tracer wire.
2. 4 1/2" steamer nozzle shall face the highest order street (e.g. arterial, collector)

Fire Hydrant

Set Bury Line Flush with Finished Grade
Tracer Wire Access Box (TWAB) and Test Station, See Detail 8B-942FH

Trench Wall

Type I Bedding to 6" Above Hydrant Drains

Cathodic Protection and Tracer Wire, See Details 8B

Hydrant Thrust Block Bearing Area

Drain Sump (1/3 cy) Type I Bedding Material

8"x16"x4" Thick Concrete Pad

Mechanical Joints with Restraints
Type I Bedding to 6" Above Hydrant Drains
Tracer Wire Taped to Pipe, Per Standard Specifications

Poly Wrap and Tape, Per Standard Specifications

Mechanical Joints with Restraints
6" Auxiliary Gate Valve

8"x16"x4" Thick Concrete Pad

Drain Sump (1/3 cy) Type I Bedding Material

N.T.S.

CITY OF RAPID CITY

PUBLIC WORKS DEPARTMENT

DATE: 8-19-22

Sec. - Sht.
8A-1

HYDRANT SETTING DETAIL
Concrete, Steel Trowel Finish
Smooth Cut Ends of Pipe
6" Diameter by 1/4" Steel Pipe
(ASTM A120 Steel Pipe, Schedule 40)
Fill with M6 Concrete as Shown
Primer & Paint Yellow or
Install Yellow Sleeve
Slope Concrete Away from Bollard
Provide Expansion Joint Material
when Abutting to PCC Paving
Finished Grade
Post to be Set in M-6
Concrete as Shown

AC Pavement
PCC Pavement
3'-0" Minimum Cover

Fire Hydrant
Bollard

3'-0" Clearance

N.T.S.
Notes:
1. Thrust blocks shall be a minimum of 6" wide at the fitting or one half the diameter of the pipe, whichever is greater.
2. Thrust blocks shall extend from the fitting to the undisturbed trench wall. Thrust block dimensions at the undisturbed wall shall be as per plans and shall meet the minimum bearing area as required by plans.

N.T.S.