NOTE:
PUMPER CONNECTIONS
FACE BUILDINGS OR STREET.

FIRE HYDRANT

6"-12"

SET BURY LINE
FLUSH WITH
FINISHED GRADE

APPROXIMATELY
3" OF EXCESS
TRACER WIRE

TRACER WIRE
ACCESS BOX

TAPE TRACER WIRE
TO HYDRANT
BARREL PER
SPECIFICATIONS

TRACER WIRE (2)

HYDRANT THRUST
BEARING AREA
EQUIVALENT TO THAT
NEEDED FOR A
6"-90° BEND

GRATE DRAIN SUMP
(18"x18"x18") 1" CLEANED
CRUSHED STONE OR GRAVEL

8"x12"x4" CONCRETE PAD

TAPE TRACER WIRE TO TOP OF HYDRANT
LEAD PER SPECIFICATIONS (2 PLACES)

1" CLEAN GRAVEL
TO 6" ABOVE
HYDRANT DRAINS

6" AUXILIARY
GATE VALVE

6" PIPE

MECHANICAL JOINT

DOWNSTREAM
TRACER WIRE

DO NOT TIE UP
STREAM & DOWN
STREAM TRACER
WIRES TOGETHER

6" PIPE

TEE

UPSTREAM
TRACER WIRE

CITY OF RAPID CITY
PUBLIC WORKS DEPARTMENT

DATE: 5-1-07
SEC. SHT.

HYDRANT SETTING DETAIL

8-1
SMOOTH CUT ENDS OF PIPE

6" DIA. – 1/4" STEEL PIPE M6
FILL WITH CONCRETE AS SHOWN
(ASTM A120 STEEL PIPE, SCHEDULE 40)
PRIMER & PAINT YELLOW

* PROVIDE EXPANSION JOINT MATERIAL
WHEN ABUTTING P.C.C. PAVING

FINISHED GRADE

POST TO BE SET IN M-6
CONCRETE AS SHOWN

3" MIN.
COVER

3'-0" CLEAR

FIRE HYDRANT

BOLLARD

CONCRETE, STEEL TROWEL FINISH

3'-0"

4'-0"

A.C.C.

P.C.C.
MULTI-UNIT, SINGLE OWNER, MULTIPLE METERS

CONDOMINIUMS ARE INCLUDED IN THIS CLASSIFICATION

NOTE:
ACCESS EASEMENT IS REQUIRED FOR CURB STOPS LOCATED ON PRIVATE PROPERTY

P/L

MULTI-UNIT, MULTIPLE OWNERS, MULTIPLE METERS

TAPPING TEE & GATE VALVE

P/L

P/L

P/L

P/L

TOWN HOMES ARE INCLUDED IN THIS CLASSIFICATION

COMBINED FIRE SERVICE & DOMESTIC SERVICE LINES

*P.I.V.
FIRE SERVICE LINE

10' MIN.

DOMESTIC SERVICE
W/CURB STOP IN PUBLIC R.O.W. IS PREFERRED. HOWEVER A CURB STOP MAY BE PLACED ON PRIVATE PROPERTY IF AN ACCESS EASEMENT IS PROVIDED TO THE CITY.

* A WALL MOUNT INDICATOR VALVE MAY BE PERMITTED WITH THE APPROVAL OF THE FIRE CHIEF.

NOTES:

1. IF DOMESTIC SERVICE TAP IS NOT MADE TO FIRE SERVICE LINE, THEN GATE VALVE TO BE INSTALLED WITH OUT VALVE BOX AND VALVE TO BE BURIED.

2. FOR HOSE CABINET-TYPE FIRE PROTECTION SYSTEMS, SEPARATE EXTERIOR DOMESTIC SERVICE & CURB STOP AS SHOWN ABOVE ARE NOT REQUIRED.