



PAID FOR AS
1" WATER SERVICE

PAID FOR AS
1" LIFT STATION WATER SERVICE
WITH BACKFLOW PREVENTION
ASSEMBLY AND YARD HYDRANT

APPROVED REDUCED
PRESSURE PRINCIPLE
BACKFLOW PREVENTER
ASSEMBLY

2' BURY DEPTH FROST
PROOF YARD HYDRANT

1"x1" THREADED TEE
WITH THREADED CAP

VALVE BOX
PER WW-622

FINISHED
GRADE

BALL VALVE PER WW-276

FLOW

POLYETHYLENE
TUBING PER WW-65

COMPRESSION
COUPLING

1" CONDUIT WITH MULE TAPE
TO ELECTRIC RACK
(SCADA PANEL)

12" BRASS NIPPLE
(PE X THREADED)

6" MIN.

PRESSURE TREE
PROVIDED BY
COSM

BACKFILL WITH
SECONDARY
BACKFILL

26" - 28"

BRASS ELBOW
90 DEGREE BEND

GRAVEL 6" ABOVE BRASS
DRAIN VALVE BODY

FLOW

12" BRASS NIPPLE
(PE X THREADED)

COMPRESSION COUPLING

POLYETHYLENE
TUBING PER WW-65

COMPRESSION COUPLING

12" BRASS NIPPLE (PE X THREADED)

GRAVEL 6" BELOW ELBOW

BACKFILL WITH
GRAVEL-ASTM C33
SIZE #57 OR 67

2' DIA.

POLYETHYLENE
TUBING PER WW-65

1" WATER SERVICE
(PER COSM DETAIL 520S-11-SM)

1" REDUCED PRESSURE PRINCIPLE
BACKFLOW PREVENTION ASSEMBLY
(PER COSM DETAIL 520S-19F-SM)

WOODFORD FREEZE-LESS IOWA
YARD HYDRANT MODEL Y1
(OR APPROVED EQUAL)

The City of San Marcos Engineering and Capital Improvements	CURRENT AS OF 1/1/2022
RECORD COPY SIGNED BY LAURIE MOYER, P.E.	1/1/2022 ADOPTED
1" LIFT STATION WATER SERVICE WITH BACKFLOW PREVENTION ASSEMBLY AND YARD HYDRANT	
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 520S-LSS-SM 1 OF 1