Single Pipe Gate - Elevation

- Provide 1" gap between gate and post.
- Reflective safety tape 18" OC max.
- Latch post varies.
- Footing with sleeve, see DET 1 on Sheet 5.
- Adjust post height and tack weld 3 sides.

Single Pipe Gate - Plan

- Gate shown open.
- Gate - open latch post footing without sleeve, see DET J on Sheet 5.
- Edge of AC pavement open 90 deg min.

EAST BAY REGIONAL PARK DISTRICT - STANDARD PLANS

PIPE GATE INSTALLATION

Reviewed by the Park Standards Committee, and approved by the Chief of Design & Construction.

04/06/2022

STD PLAN

Sheet 1 of 6

NOT TO SCALE
GATE POST

SEE SINGLE PIPE GATE ELEVATION ON SHEET 1 FOR DETAILS NOT SHOWN ON THIS ELEVATION

2" GAP
BETWEEN GATES

FOOTING WITH SLEEVE
SEE DET I ON SHEET 5

DOUBLE PIPE GATE WITHOUT ISLAND — ELEVATION

GATE POST

ENTER

EXIT

EDGE OF AC PAVEMENT

GATE SHOWN OPEN

OPEN 90 DEG MIN

GATE OPEN LATCH POST
FOOTING WITHOUT SLEEVE
SEE DET J ON SHEET 5

DOUBLE PIPE GATE WITHOUT ISLAND — PLAN
SEE SINGLE PIPE GATE ELEVATION ON SHEET 1 FOR DETAILS NOT SHOWN ON THIS ELEVATION

1" GAP BETWEEN GATE & POST TYP CENTER LATCH POST

ADJUST POST HEIGHT AND TACK WELD 3 SIDES

CONC ISLAND WITH CENTER LATCH POST AND FOOTING SEE SHEET 4

FOOTING WITH SLEEVE SEE DET I ON SHEET 5

29'-0½"±

DOUBLE PIPE GATE WITH ISLAND - ELEVATION

CENTER LATCH POST

EDGE OF AC PAVEMENT

GATE SHOWN OPEN

OPEN 90 DEG MIN

GATE OPEN LATCH POST

FOOTING WITHOUT SLEEVE SEE DET J ON SHEET 5

DOUBLE PIPE GATE WITH ISLAND - PLAN

TRAFFIC CONTROLLER WHERE REQUIRED SEE DISTRICT STD PLAN 410
CONCRETE ISLAND - PLAN

CENTER LATCH POST SLEEVE
WITH FOOTING BELOW
CROWN OR SLOPE TOP OF
CONC TO DRAIN (MATCH ROAD)

CONCRETE ISLAND - SECTION G

CENTER LATCH POST WITH
3 ROWS OF REFLECTIVE
SAFETY TAPE AT 16" OC

ADJUST POST HEIGHT
AND TACK WELD
3 SIDES

12" THICK CONCRETE ISLAND

1" BATTER

2 BENT BAR RINGS

CONC FOOTING WITH SLEEVE
SEE DETAIL I ON SHEET 5

¾" CRUSHED OR
ANGULAR ROCK
PIPE GATE INSTALLATION

FOOTING WITHOUT SLEEVE

POST

ADJUST HEIGHT OF POST BEFORE PLACING CONC

CONCRETE FILLED HOLE

3' - 6" MIN

2' - 0" DIA MIN

FOOTING WITH SLEEVE

POST

ADJUST POST HEIGHT AND TACK WELD 3 SIDES

SLEEVE FOR GATE POST OR LATCH POST

CONCRETE FILLED HOLE

3/4" CRUSHED OR ANGULAR ROCK
MATERIALS

1. SEE STANDARD PLAN 301F PIPE GATE FABRICATION FOR PIPE GATE, GATE POST, LATCH POSTS AND SLEEVE DIMENSIONS AND DETAILS.

2. GATE, (WITH CHAIN), GATE POST (WITH FASTENERS), LATCH POST, SLEEVES, AND GATE–OPEN LATCH POSTS (NOT SHOWN), MAY BE AVAILABLE AT DISTRICT CENTRAL STORES, FOR PURCHASE BY DISTRICT STAFF ONLY.

3. CONCRETE SHALL BE COMMERCIAL 5–SACK PRE–MIX CONCRETE OR EQUIVALENT.

4. REINFORCING BARS (CONCRETE ISLAND) SHALL BE ASTM A615, GRADE 60 MINIMUM.

5. REFLECTIVE SAFETY TAPE SHALL BE 3” WIDE YELLOW BANDS RATED FOR 5 YEAR MIN OUTDOOR LIFE AND MEET D.O.T. SPECIFICATION FP–85 FOR TYPE 2 SHEETING.

6. OBJECT MARKERS SHALL BE 18” X 18” HEAVY GAUGE ALUMINUM, TYPE N YELLOW, MUTCD OM1–3, N–1 (CA), RETROREFLECTIVE YELLOW SHEETING, WITH MOUNTING HOLES AT TOP AND BOTTOM CENTER. INSTALL OBJECT MARKERS AT FRONT AND BACK FACE OF EACH GATE (TOTAL 2 PER GATE).

WORKMANSHIP

7. LOCATE UNDERGROUND UTILITIES PRIOR TO DIGGING. CALL USA (UNDERGROUND SERVICE ALERT) 1–800–277–2600, MON THRU FRI 6AM TO 7PM, A MINIMUM 2 WORKING DAYS WITH A MAXIMUM 14 CALENDAR DAYS, TO OBTAIN A TICKET. CONTACT THE DISTRICT INSPECTOR OR PARK SUPERVISOR FOR DISTRICT UTILITIES NOT LOCATED BY USA.

8. PIPE GATE SHALL BE INSTALLED CENTERED IN ROAD (UON), WITH POSTS PLUMB, AND GATE LEVEL. DIRECTION OF GATE SWING TO SUIT FIELD CONDITIONS.

9. GATE–OPEN LATCH POST (NOT SHOWN), SHALL BE FIELD LOCATED AND INSTALLED IN THE SHOULDER OF ROAD. GATE–OPEN LATCH POST DOES NOT REQUIRE A SLEEVE.

10. CONCRETE FINISH (CONCRETE ISLAND) SHALL BE A MEDIUM BROOM FINISH PERPENDICULAR TO THE LENGTH.

11. AFTER INSTALLATION, PRIME AND PAINT TACK WELDS AND TOUCH–UP ANY DAMAGE TO PAINTED METAL FINISH PER DISTRICT STANDARD PLAN 003, PAINTING AND STAINING SPECIFICATION.