MAILBOX - SIZE 1 OR 1A (SIZE 1A SHOWN) - SEE TABLE, STANDARD PLAN H-70.10, SHEET 1, FOR DIMENSIONS

3/16" x 1" PHILLIPS HEAD SCREW, 2 WASHERS, AND LOCKNUT WITH NYLON INSERT (TYP.) - 4 SETS MIN.

45° ELBOW - SEE NOTE 3

1 1/4" PIPE x 8" LONG (THREAD ONE END)

1 1/4" PIPE x 2 3/4" LONG (THREAD ONE END)

ADDITIONAL WASHERS - AS REQUIRED TO FILL GAP (TYP.)

1 3/4" MUFFLER CLAMP (1 3/4" M-CLAMP), 2 WASHERS - AND 2 LOCKNUTS (TYP.)

VERTICAL SUPPORT - 1 1/4" PIPE, LENGTH AS REQUIRED (THREAD BOTH ENDS)

HORIZONTAL MOUNT - 1 1/4" PIPE, LENGTH AS REQUIRED (THREAD ONE END)

INSTALL PLASTIC CAP OR PLUG

PLATFORM - SEE NOTE 5

PLATFORM - MATCH END OF PIPE

MATCH END OF PIPE

SPACE PROVIDED ON BOTH ENDS TO ALLOW ACCESS TO FASTENERS

MAILBOX & PLATFORM

MAILBOX MOUNTING HOLE (TYP.)

PIPE

SEE NOTE 6

ALIGNMENT DETAIL

SIDE VIEW

ASSEMBLY DETAIL

ISOMETRIC VIEW

NOTES
1. The insert pipe is 1" nominal diameter, Schedule 40 steel pipe, as indicated; all other pipe shown on this plan is 1 1/4" nominal diameter, Schedule 40 steel pipe. All pipe, couplings, and elbows shall be galvanized in accordance with ASTM A 153.

2. The vertical support may be cast in a concrete foundation, or bolted to a U-channel post, (see PLACEMENT DETAIL, Sheet 2). Avoid placing the vertical support in the flow line of a ditch.

3. The pipe angles required in this design may be achieved by using pipe fittings or by bending the pipes. See DETAIL "A," Sheet 2.

4. Coat the 1" diam. pipe with grease (petroleum) before sliding the 1 1/4" diam. pipe (cantilever arm) onto it, to aid rotation and to guard against corrosion.

5. The Platform design shown in this plan is detailed in the PLATFORM DETAIL, Standard Plan H-70.10, Sheet 2. The design features slots that accommodate several types of mailbox supports; only those slots necessary for assembling the type being installed are required.

6. Match the edge of the mailbox platform to the end of the horizontal pipe mount. Center the mailbox on the platform to ensure space for the mailbox door to open and to allow space for installing the fasteners. Spacing of mailbox mounting holes varies among manufacturers. Attachment of the mailbox to the platform may require drilling additional holes through the mailbox to fit the platform, (see ALIGNMENT DETAIL).

7. Attach a newspaper box to the pipe with two 1 3/4" muffler clamps spaced 4" apart. Newspaper boxes must not extend beyond the front of the mailbox when the mailbox door is closed.
VARIABLE
6' TO 12'
HORIZONTAL MOUNT

4'-0" MAX.
3'-0" MIN.

EDGE OF
SHOULDER
OR TURNOUT

VERTICAL SUPPORT

VERTICAL SUPPORT

COMMERCIAL
CONCRETE

1 1/4" DIAM. + 28" PIPE
(THREAD BOTH ENDS)

COUPLING

DITCH FLOWLINE

PLACEMENT DETAIL
SECTION VIEW

VERTICAL SUPPORT

U-CHANNEL POST
3 LB/FT

U-CHANNEL POST
3 LB/FT

7/16" DIAM. HOLES
THROUGH PIPE
& CHANNEL (TYP.)

3/8" DIAM. + 2 1/2"
HEX HEAD BOLT, NUT
& WASHER (TYP.)

3/8" DIAM. + 2 1/2"
HEX HEAD BOLT, NUT
& WASHER (TYP.)

VERTICAL SUPPORT

3'-0" MIN. TO 3'-8" MAX.
SHOWN IN THE PLANS

1 1/4" PIPE
45° ELBOW

1 1/4" PIPE + 2 3/4" LONG
(THREAD ONE END)

1 1/4" PIPE + 9" LONG
SEE NOTE 4
45° ELBOW

1 1/4" PIPE
1/4" GRIND

1 1/4" PIPE
1/4" GRIND

1 1/4" PIPE

3'-3" O.C. MIN.

U.S. MAIL

U.S. MAIL

VERTICAL SUPPORT

1 1/4" PIPE

SPACING DETAIL
ELEVATION VIEW

MAILBOX SUPPORT
TYPE 3
STANDARD PLAN H-70.30-02
SHEET 2 OF 2 SHEETS
APPROVED FOR PUBLICATION

Pasco Bakotich III 02-07-12
STATE DESIGN ENGINEER

Washington State Department of Transportation