

FED. ROAD DIST. NO. HAWAII STATE HAW. FED. AID PROJ. NO. STP-0540(2) FISCAL YEAR 2004 SHEET NO. 21 TOTAL SHEETS 23

PLAN--ENDPOST UPGRADE
Scale: $\frac{3}{4}" = 1'-0"$

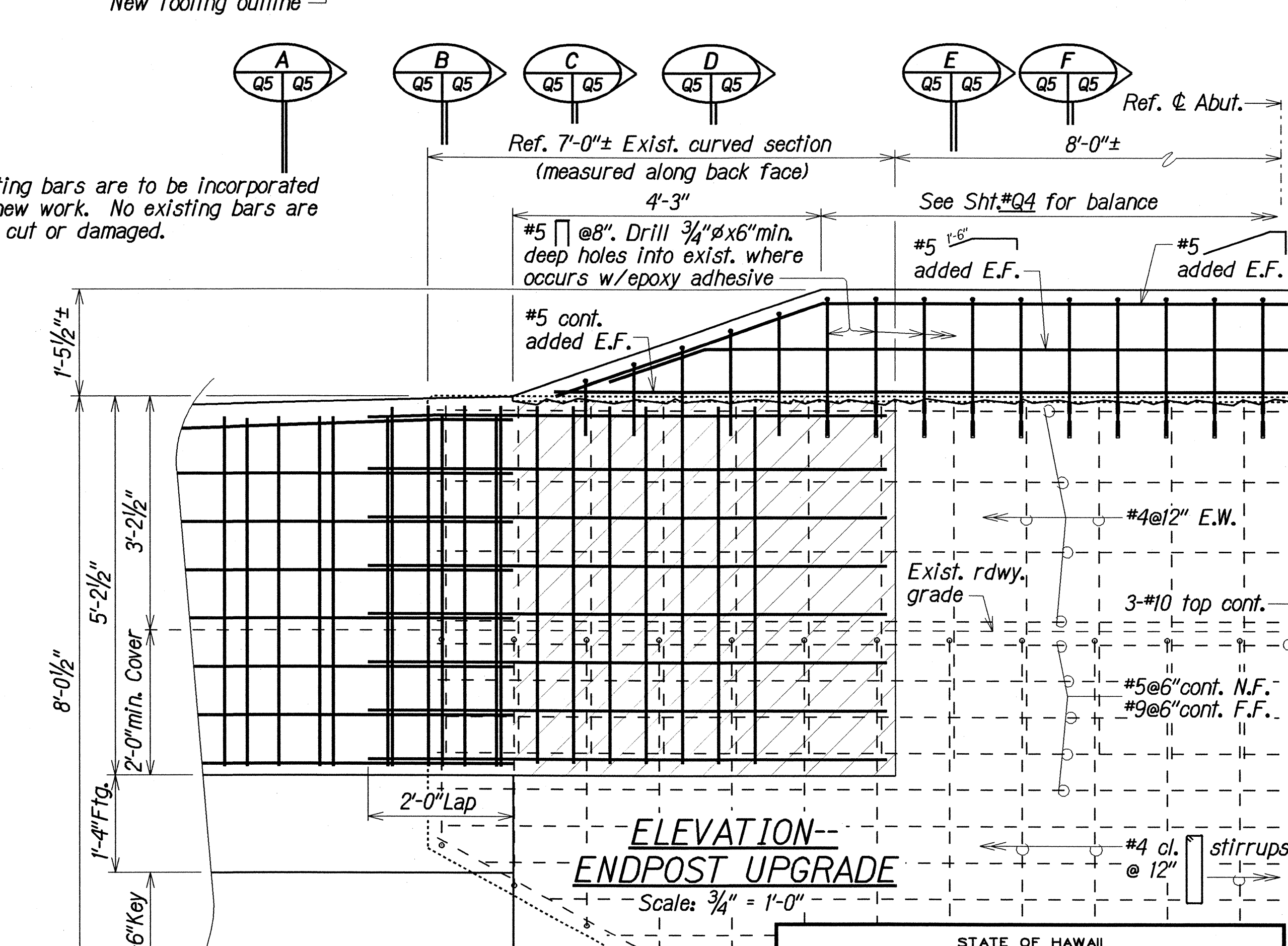
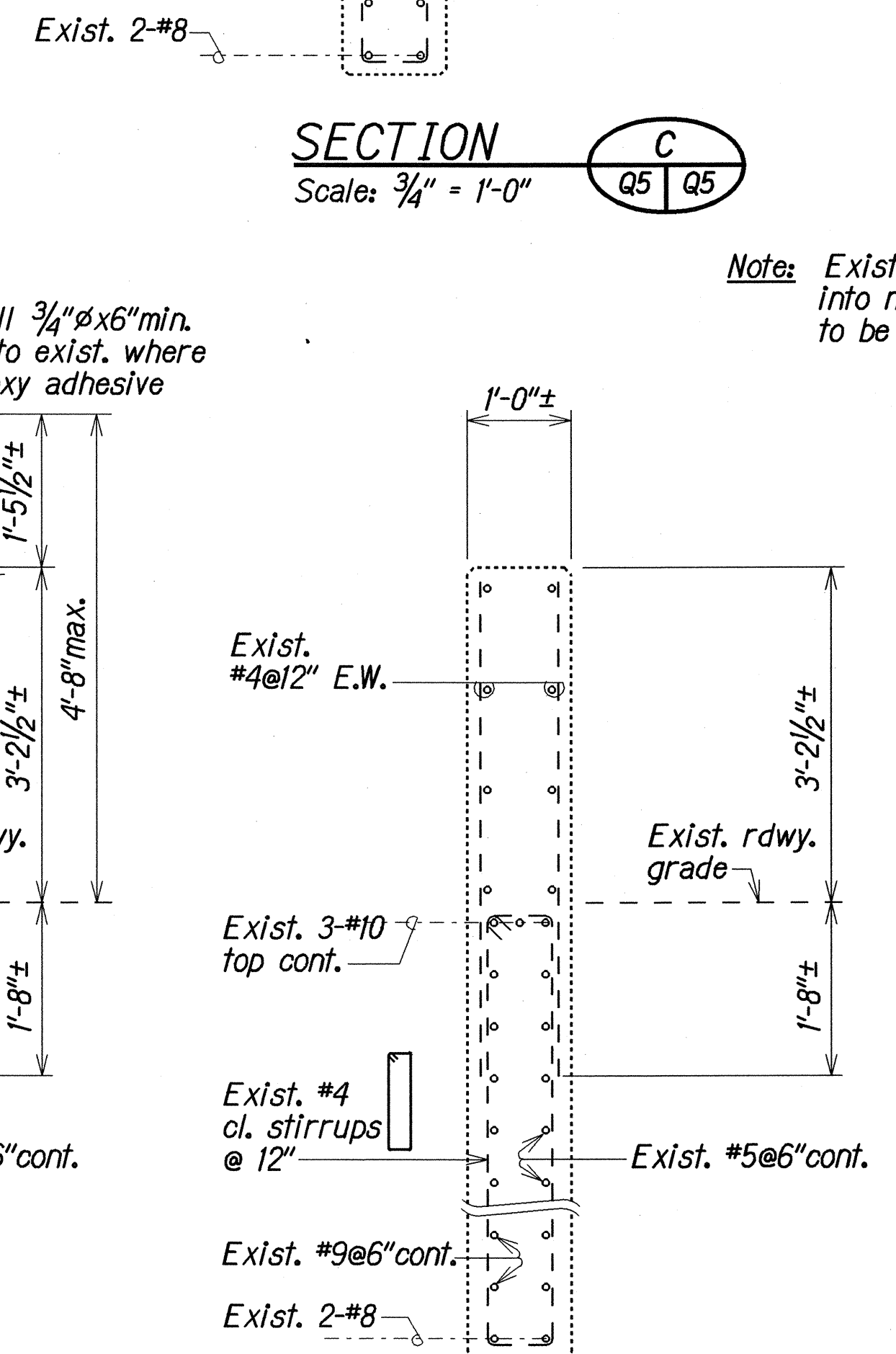
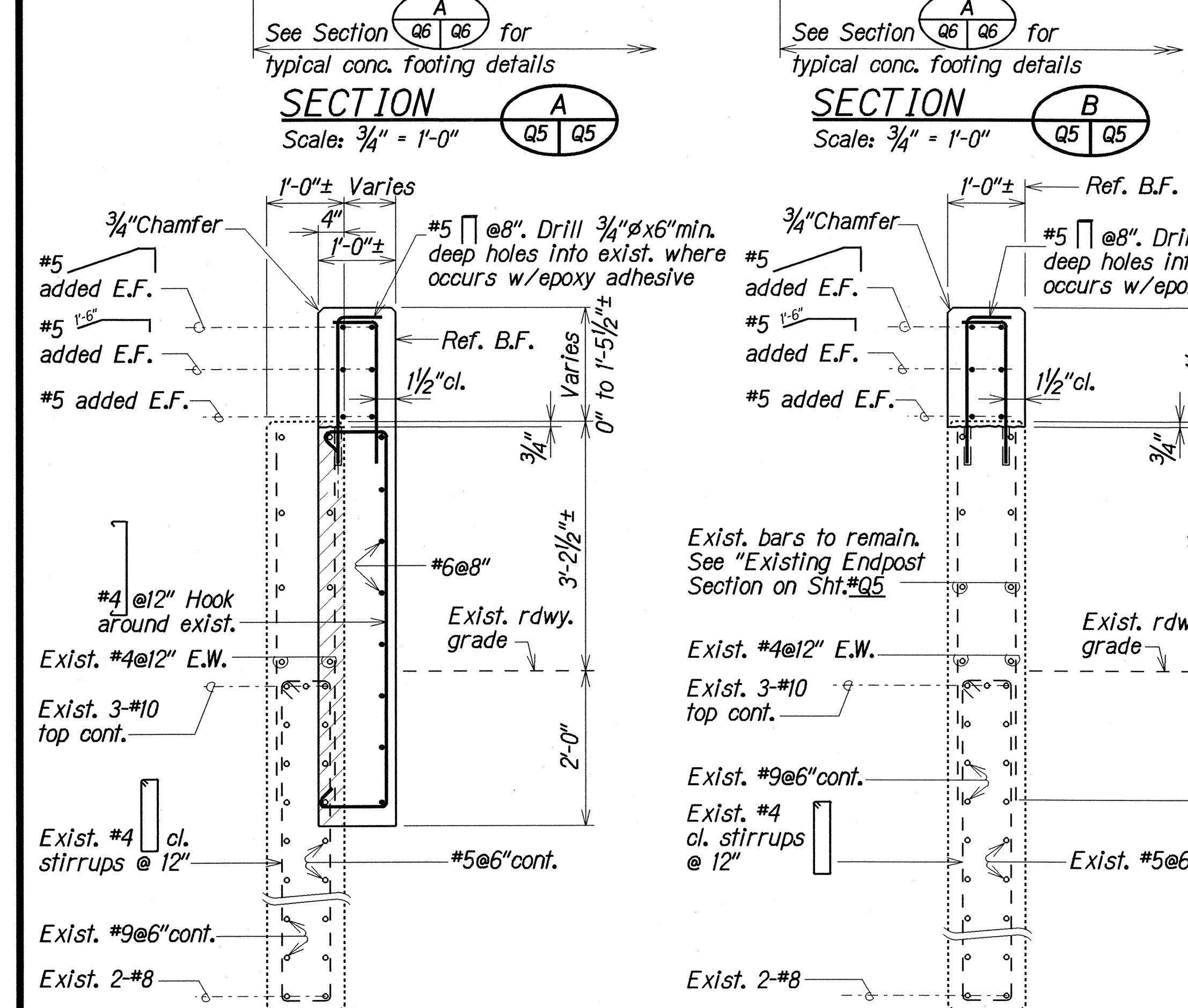
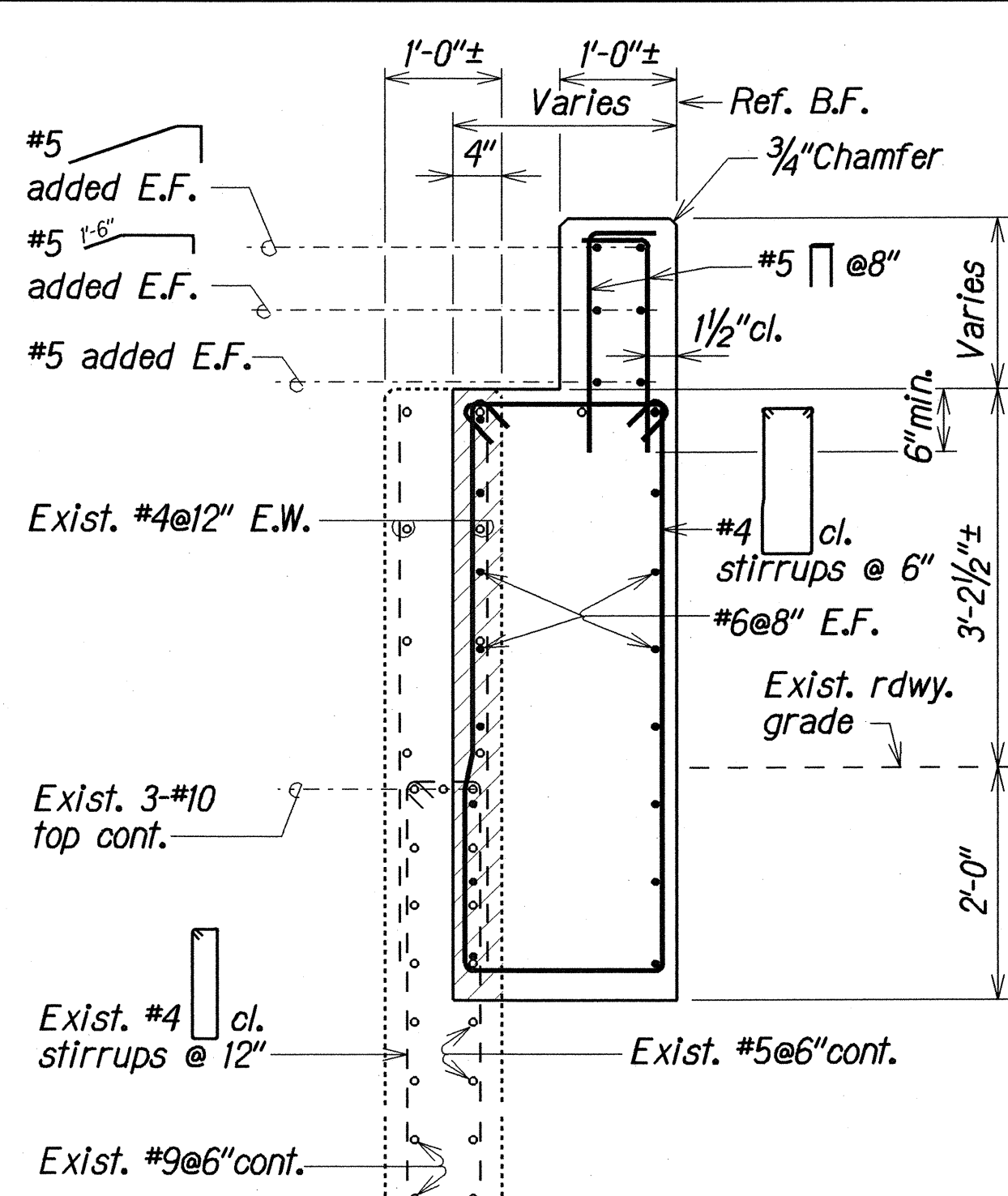
EXIST. CURVE DATA
 $\Delta = 40^\circ-06'-25"$
 $R = 10'-0"$
 $L = 7'-0"$

CROSS-SECTION 1 (Left):
1'-6" Ref. B.F.
3/4" chamfer (typ.)
#4 @ 12"
#6 @ 8" E.F.
2" cl.
eq. eq.
Flashing compound
3"
#6 @ 9"
3'-2 1/2" ± to 2'-8 3/4"
Varies
#4 @ 6"
#6 @ 8" E.F.
2" cl.
eq. eq.
Flashing compound
3"
2'-0" min. Cover
3'-2 1/2" ± max.

CROSS-SECTION 2 (Middle):
1'-6" Ref. B.F.
3/4" chamfer (typ.)
#4 @ 12"
#6 @ 8" E.F.
2" cl.
eq. eq.
Flashing compound
3"
#6 @ 9"
3'-2 1/2" ± to 2'-8 3/4"
Varies
#4 @ 6"
#6 @ 8" E.F.
2" cl.
eq. eq.
Flashing compound
3"
2'-0" min. Cover
3'-2 1/2" ± max.

CROSS-SECTION 3 (Right):
1'-0" ±
Varies
Ref. B.F.
3/4" Chamfer
#5 @ 8"
1 1/2" cl.
#5 added E.F.
#5 1'-6" added E.F.
#5 added E.F.
4"
6" min.
Varies 0" to 1'-5 1/2" ±
#4 cl. stirrups @ 6"
#6 @ 8" E.F.
3'-2 1/2" ±
2'-0"
Exist. #4 @ 12" E.W.
Exist. 3-#10 top conf.
Exist. #4 cl. stirrups @ 12"
Exist. #9 @ 6" conf.
Exist. #5 @ 6" conf.

PLAN VIEW:
#4 @ 12" Balance
1'-6" Endpost
1'-2" Key
4'-4"
9'-0" Footing
#6 @ 9"
#4 @ 12" Hook around exist.
#4 cl. stirrups @ 6"
#4 @ 6"
2'-0" Lap
#6 @ 8" E.F.
8'-0" ± Ref. C Abut.
#5 @ 8". Drill 3/4" x 6" min. deep holes into exist. where occurs w/ epoxy adhesive
Ref. back face (B.F.)
Portion exist. conc. endpost to be removed (shown hatched). Clean exist. bars and add new endpost as shown. Bend bars as necessary
Exist. reinf. See Elevation # Section E Q5 Q5
New section outline



TYPICAL EXISTING
ENDPOST SECTION 

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EXISTING ENDPOST UPGRADE DETAILS

WAHIAWA STREAM BRIDGE
HALEWILI ROAD
Guardrail and Shoulder Improvements
Federal Aid Project No. STP-0540(2)

Scale: As Noted Date: Jun, 2003

SHEET No. Q5 OF 7 SHEETS