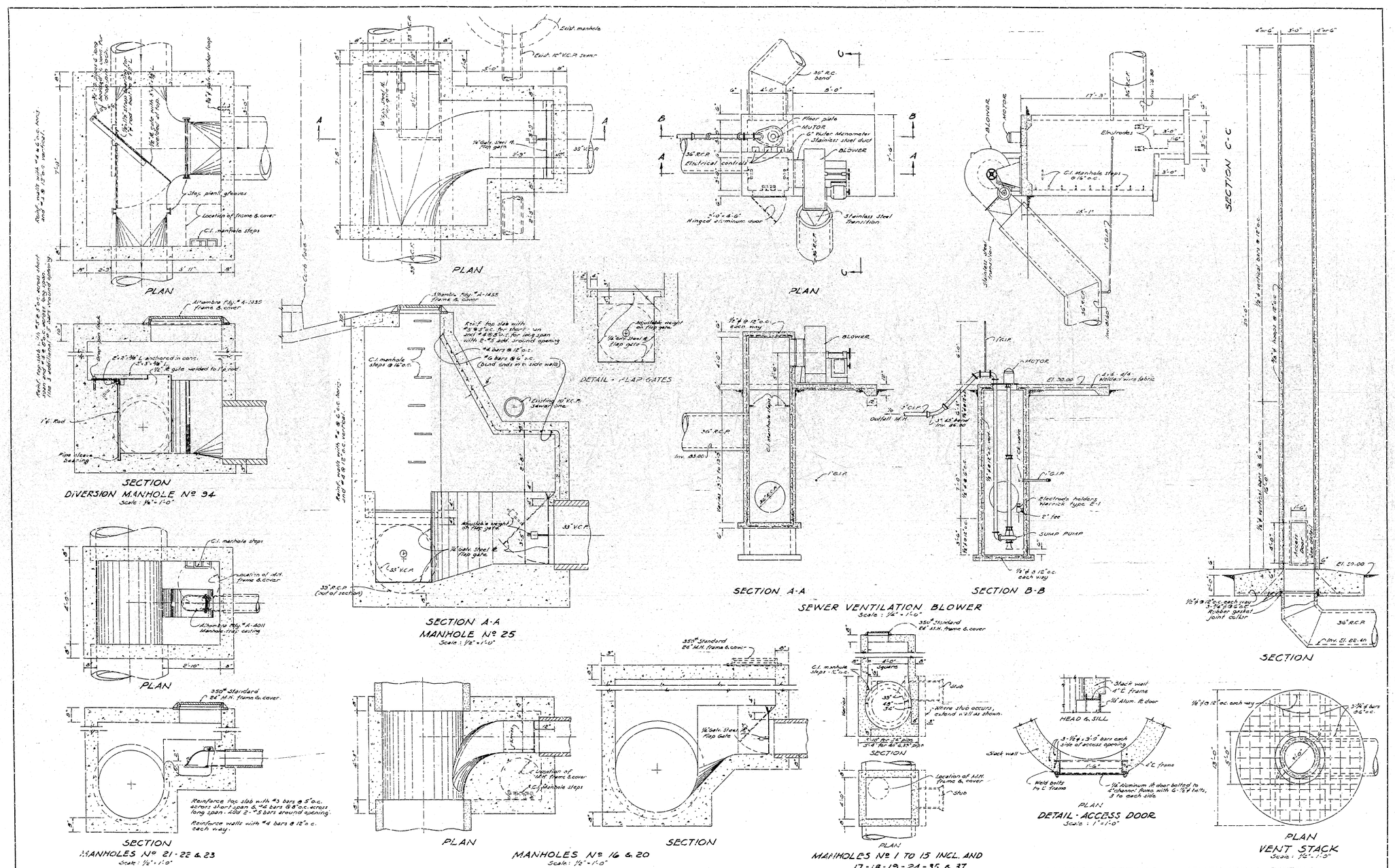
PLAN
Stop, plant sleeves
Location of frame & cover
C.I. manhole steps
SECTION
DIVERSION MANHOLE Nº 94
Scale: 1/4" = 1'-0"
Alhambra Poly. #A-1035 frame & cover
Existing manhole
Existing 10" V.C.P. sewer
24" Galv. Steel R. Flap gate
35" V.C.P.
C.I. manhole steps @ 16" o.c.
Existing 10" V.C.P. Sewer line
Adjustable weight on flap gate
16" Galv. Steel R. Flap gate
35" R.C.P. (out of section)
SECTION A-A
MANHOLE Nº 25
Scale: 1/2" = 1'-0"
DETAIL - FLAP GATES
35" R.C.P. bend
Floor plate
MOTOR
6" Water Manometer
Stainless steel duct
BLOWER
35" R.C.P.
Electrical conduit
5'-0" x 6'-6" Hinged aluminum door
Stainless Steel Transition
SECTION A-A
SECTION B-B
SEWER VENTILATION BLOWER
Scale: 1/4" = 1'-0"
Electrodes
C.I. Manhole steps @ 16" o.c.
SECTION C-C
Outfall M.H.
Electrode holders Mallinck type 21
2" tee
SUMP PUMP
C.I. manhole steps
Alhambra Poly. #A-4011 Manhole-ring casting
350# Standard 24" M.H. frame & cover
Reinforce top slab with #3 bars @ 5" o.c. across short span & #4 bars @ 8" o.c. across long span. Add 2 - #5 bars around opening.
Reinforce walls with #4 bars @ 12" o.c. each way.
SECTION
MANHOLES Nº 21-22 & 23
Scale: 1/2" = 1'-0"
Location of M.H. frame & cover
C.I. manhole steps
PLAN
MANHOLES Nº 16 & 20
Scale: 1/2" = 1'-0"
Note: Reinforcement to be similar to M.H. Nos 21-22-23.
16" Galv. Steel Flap Gate
SECTION
Stub
Where stub occurs, extend in C.I. as shown.
Location of M.H. frame & cover
MANHOLES Nº 1 TO 15 INCL. AND 17-18-19-24-35 & 37
Scale: 1/4" = 1'-0"
Note: Reinforcement to be similar to M.H. Nos 21-22-23.
Stack wall
4" C frame
1/4" Alum. ft door
HEAD & SILL
3-1/2" x 3'-0" bars each side of access opening
Weld bolts to C frame
1/4" Aluminum ft door bolted to 4" channel frame with 6 - 3/8" bolts, 3 to each side.
DETAIL - ACCESS DOOR
Scale: 1" = 1'-0"
1/4" @ 12" o.c. each way
3-3/4" bars @ 6" o.c.
VENT STACK
Scale: 1/2" = 1'-0"
MANHOLE DETAILS & VENTILATION SYSTEM
PLANS & PROFILES - INTERCEPTING SEWERS
SAN BERNARDINO, CALIFORNIA.
SHEET 11.
CURRIE ENGINEERING COMPANY