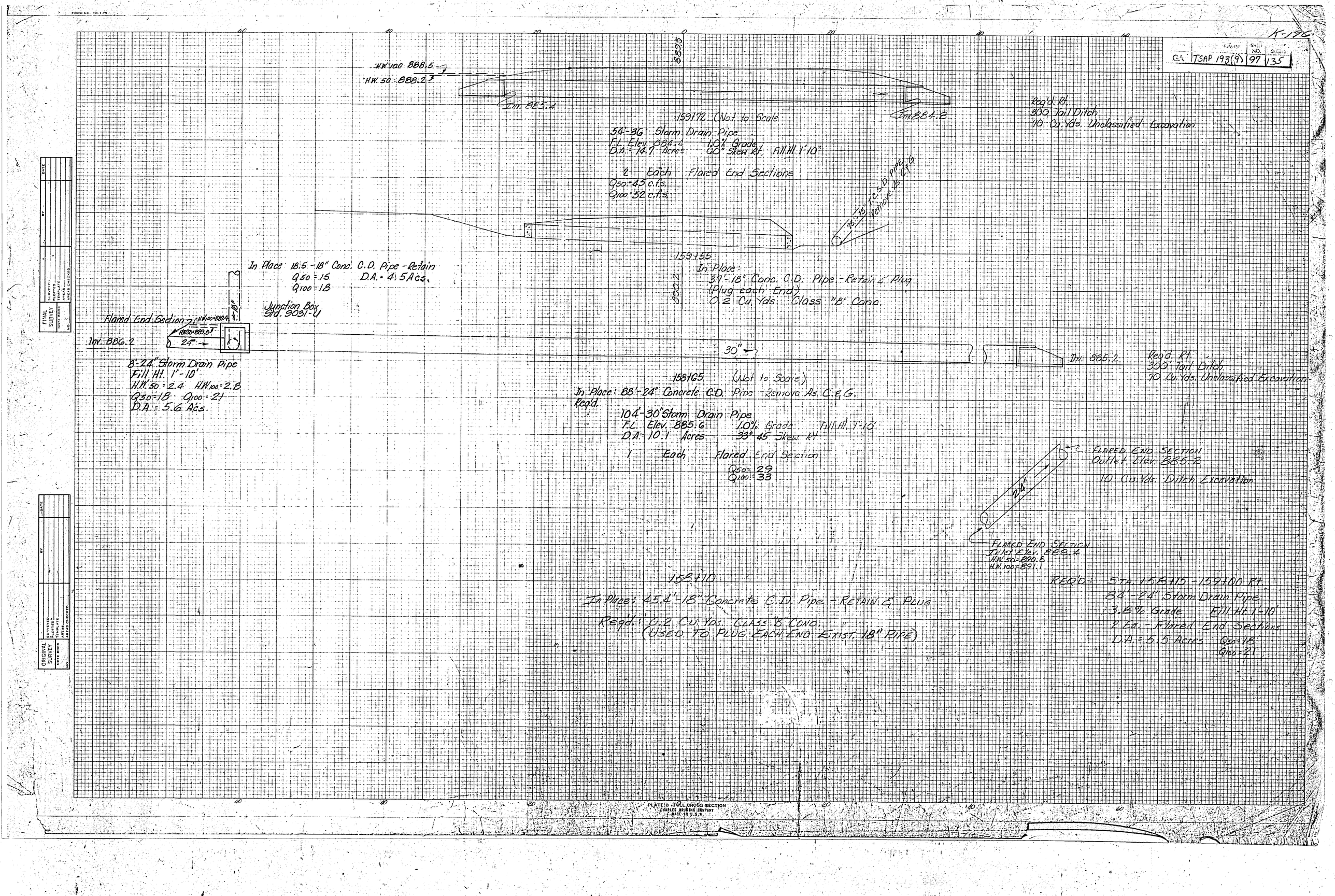
K-196
GA TSAP 193(9) 97 135
H.W.100 888.5
H.W.50 888.2
Inv. 885.4
Inv. 884.8
Req'd. Rt.
300 Tail Ditch
70 Cu. Yds. Unclassified Excavation
159+72 (Not to Scale
54'-36" Storm Drain Pipe
F.L. Elev. 884.4 1.0% Grade
D.A. = 14.7 Acres 60° Skew Rt. Fill Ht. 1'-10"
2 Each Flared End Sections
Q50 = 45 c.f.s.
Q100 = 52 c.f.s.
75'-15" T.E.S.D. Pipe Remove As C&G
159+55
In Place:
37'-18" Conc. C.D. Pipe - Retain & Plug
(Plug each End)
0.2 Cu. Yds. Class "B" Conc.
In Place 18.5 - 18" Conc. C.D. Pipe - Retain
Q50 = 15 D.A. = 4.5 Acs.
Q100 = 18
Junction Box
Std. 9031-U
Flared End Section
Inv. 886.2
8'-24" Storm Drain Pipe
Fill Ht. 1'-10'
H.W.50 = 2.4 H.W.100 = 2.8
Q50 = 18 Q100 = 21
D.A. = 5.6 Acs.
30"
Inv. 885.2
Req'd. Rt.
300 Tail Ditch
70 Cu. Yds. Unclassified Excavation
158+65 (Not to Scale)
In Place: 88'-24" Concrete C.D. Pipe - Remove As C.&G.
Req'd.
104'-30" Storm Drain Pipe
F.L. Elev. 885.6 1.0% Grade Fill Ht. 1'-10'
D.A. = 10.1 Acres 33° 45' Skew Rt.
1 Each Flared End Section
Q50 = 29
Q100 = 33
FLARED END SECTION
Outlet Elev. 885.2
10 Cu. Yds. Ditch Excavation
FLARED END SECTION
Inlet Elev. 888.4
H.W.50 = 890.8
H.W.100 = 891.1
158+10
In Place: 45.4'-18" Concrete C.D. Pipe - RETAIN & PLUG
Req'd.: 0.2 Cu. Yds. CLASS "B" CONC.
(USED TO PLUG EACH END EXIST. 18" PIPE)
REQ'D: STA. 158+15 - 159+00 Rt.
84'-24" Storm Drain Pipe
3.8% Grade Fill Ht. 1'-10'
2 Ea. - Flared End Sections
D.A. = 5.5 Acres Q50 = 18
Q100 = 21
FINAL SURVEY
ORIGINAL SURVEY
PLATE 3 - FULL CROSS SECTION
CHARLES BRUNING COMPANY
MADE IN U.S.A.