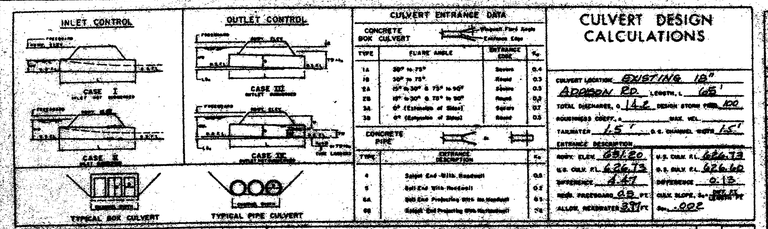


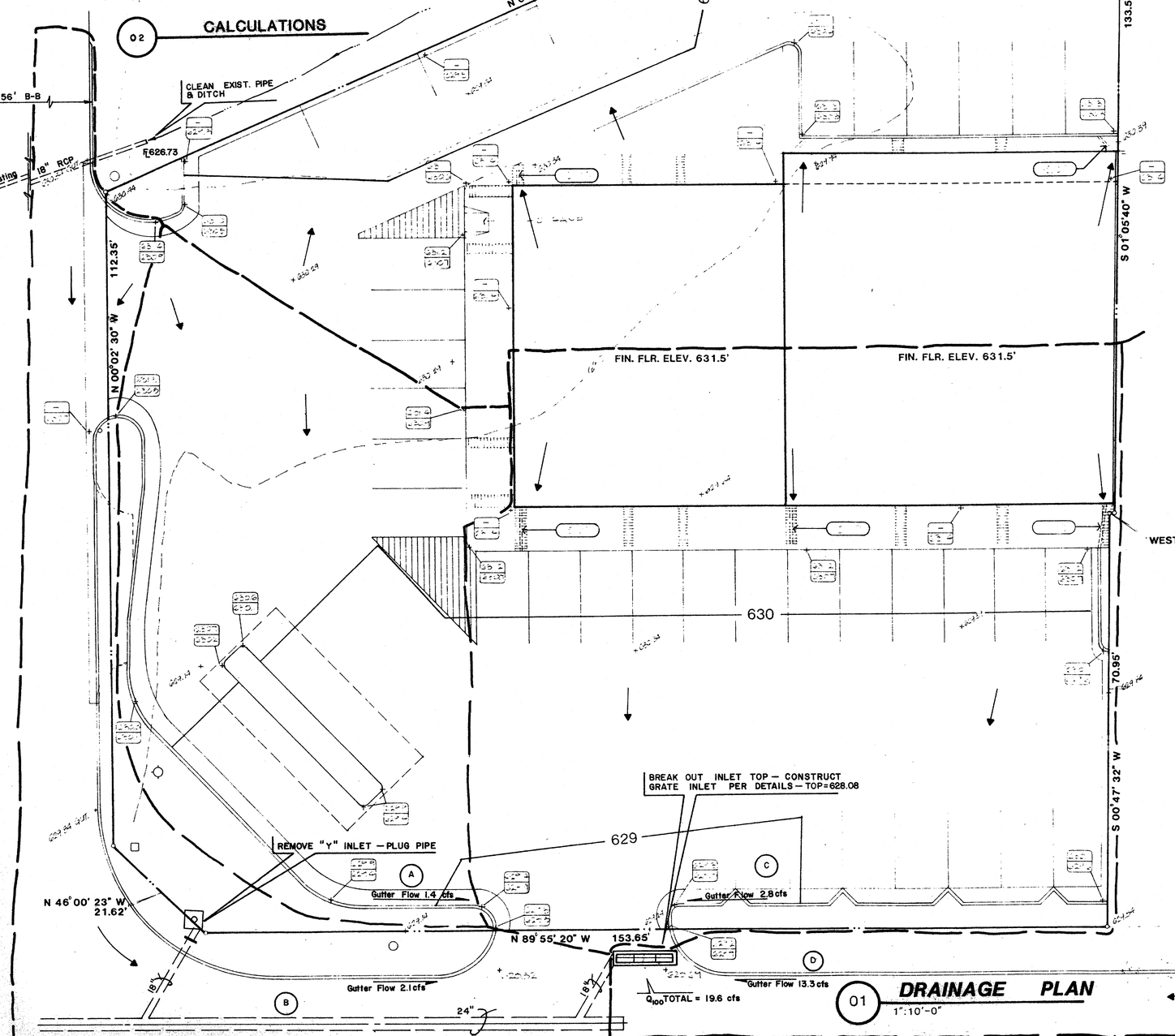


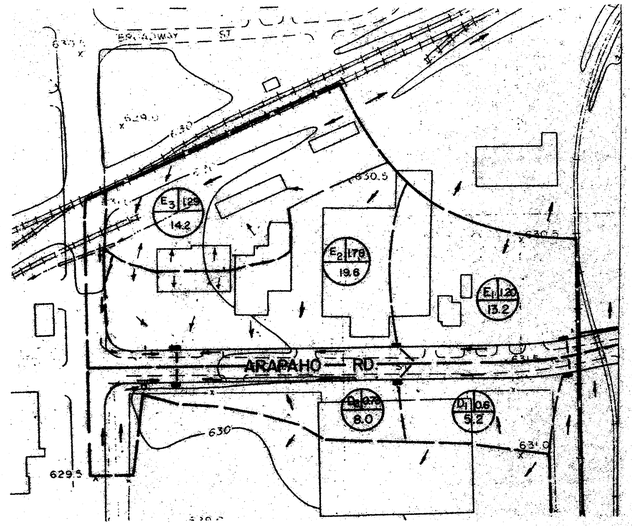


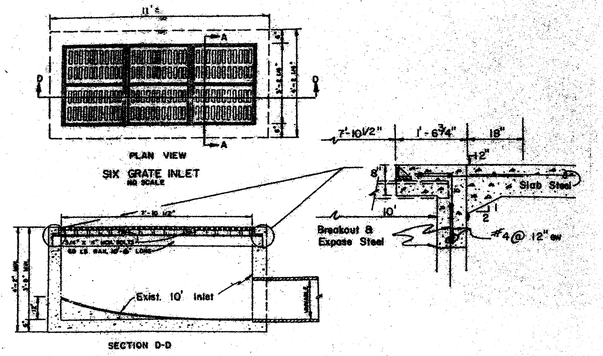
| LOCATION | DESIGN FLOW (Qo) BY RATIONAL METHOD: Time of Concentration (Minutes) | Intensity "I" (in/hr) | Drainage Area "A" (Acres) | Runoff Coefficient "C" | Design Flow Qo = C·I·A |
|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 |
| E2 | 10 | 11.6 | 1.70 | .95 | 19.6 |
| E3 | 10 | 11.6 | 1.29 | .95 | 14.2 |
| | | | | | |
| E2-A | 10 | 11.6 | 0.13 | .95 | 1.4 |
| E2-B | 10 | 11.6 | 0.19 | .95 | 2.1 |
| E2-C | 10 | 11.6 | 0.25 | .95 | 2.8 |
| E2-D | 10 | 11.6 | 1.21 | .95 | 13.3 |
| | | | Total = | | 19.6 |

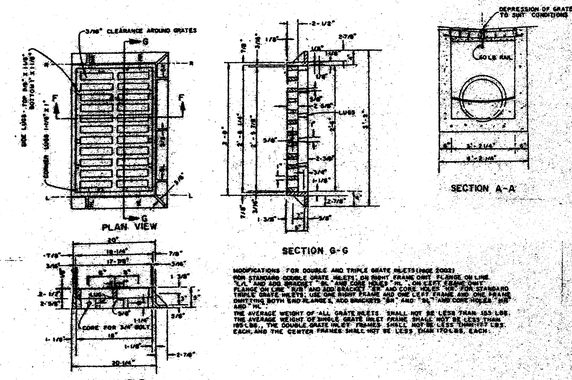
GRATE INLET DESIGN:
Openings / grate = 22 ea
Size of openings = 7.4375" x 1.625"
Area of openings / grate = 1.84 sf
6 Grate Opening Area = 11.04 sf
Inlet Capacity = 0.7 A $\sqrt{2gh}$

at depth = 4"; Capacity = 35.8 cfs ←
Design Flow = 19.6 cfs




04 INLET MODIFICATION DETAIL

North

GINN, INC.
CONSULTING ENGINEERS
DALLAS, TEXAS
DATE RECEIVED
DATE REVIEWED
NO OBJECTIONS
REVISE & RESUBMIT
MAKE CORRECTIONS NOTED
SUBMIT SPECIFIED ITEMS
6/8/85 BY: G. Ginn

STATE OF TEXAS
DANIEL W. ROTH
40998
REGISTERED PROFESSIONAL ENGINEER

EDI ARCHITECTS, INC.
ARCHITECTURE PLANNING ENGINEERING INTERIOR DESIGN
8400 WALNUT HILL LANE
SUITE 100
DALLAS, TEXAS 75231
214 / 750-1935
AMERICAN BANK TOWER
SUITE 300
AUSTIN, TEXAS 78701
512 / 495-8305

Old Town 7-11/Strip Center
Addison, Texas
Ben Pinnell

DATE: 30 APRIL 85

SHEET NO: A1.2
3A OF 39 SHEETS
JOB NO: 8431.00

JOB NO SHEET