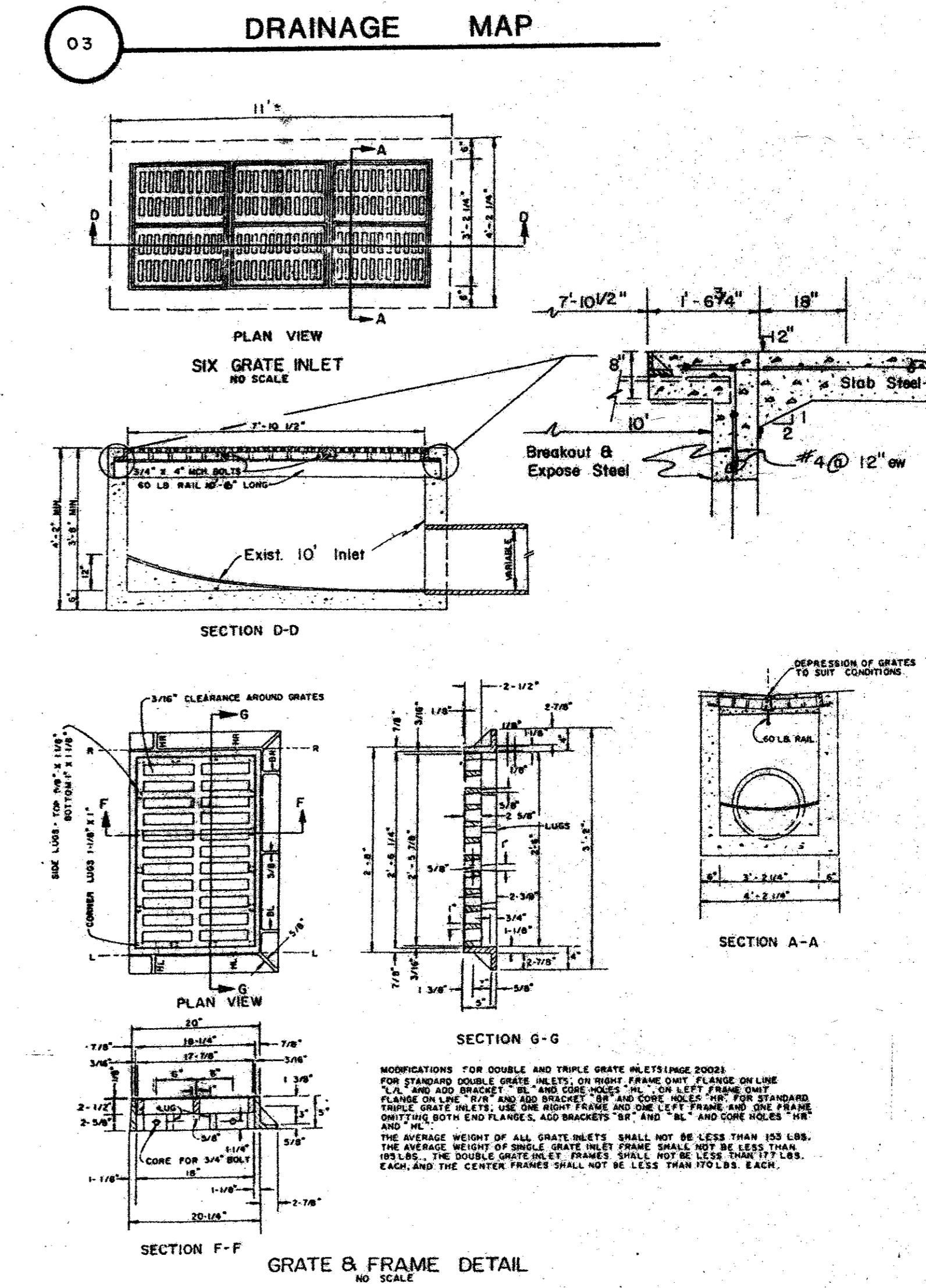
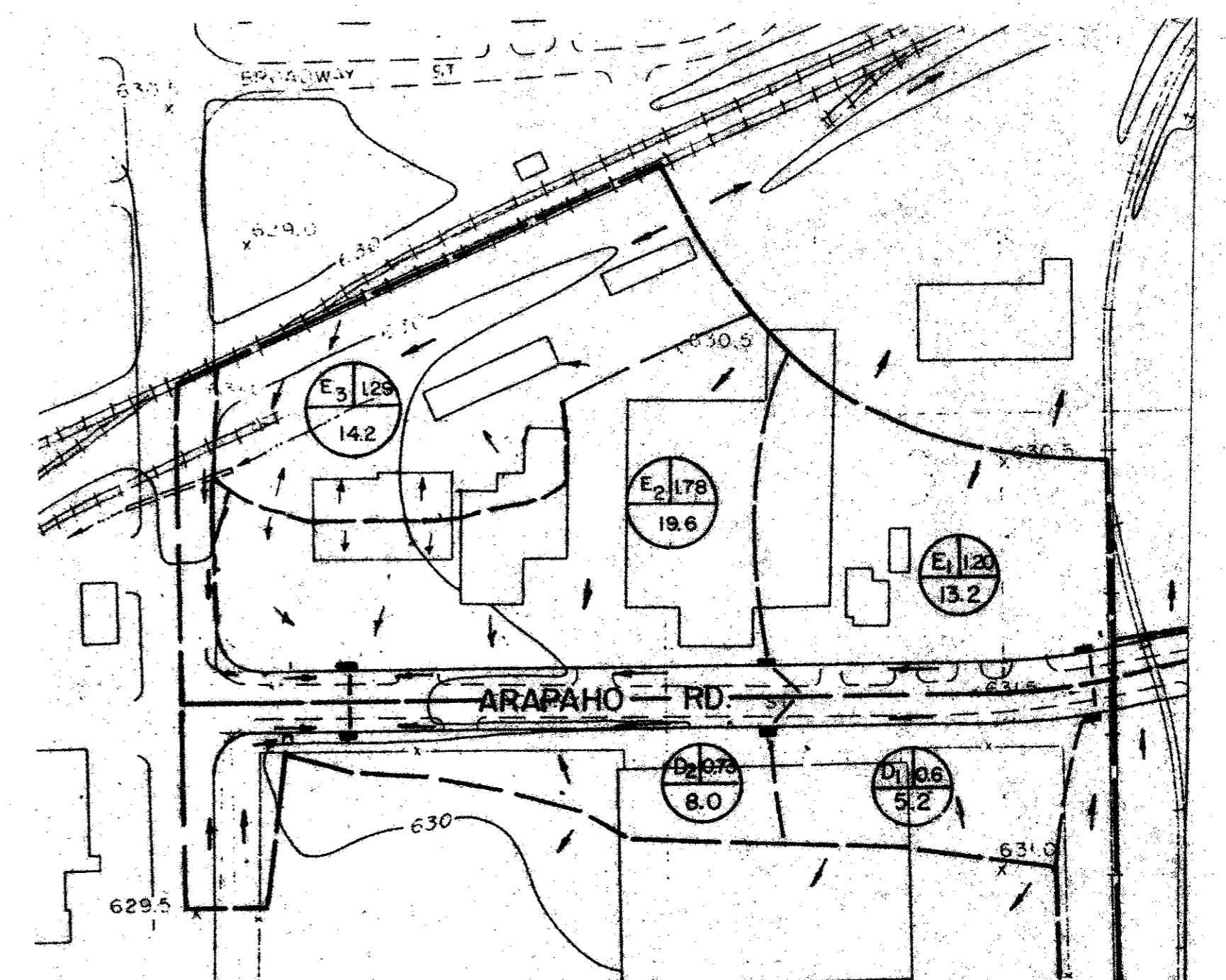
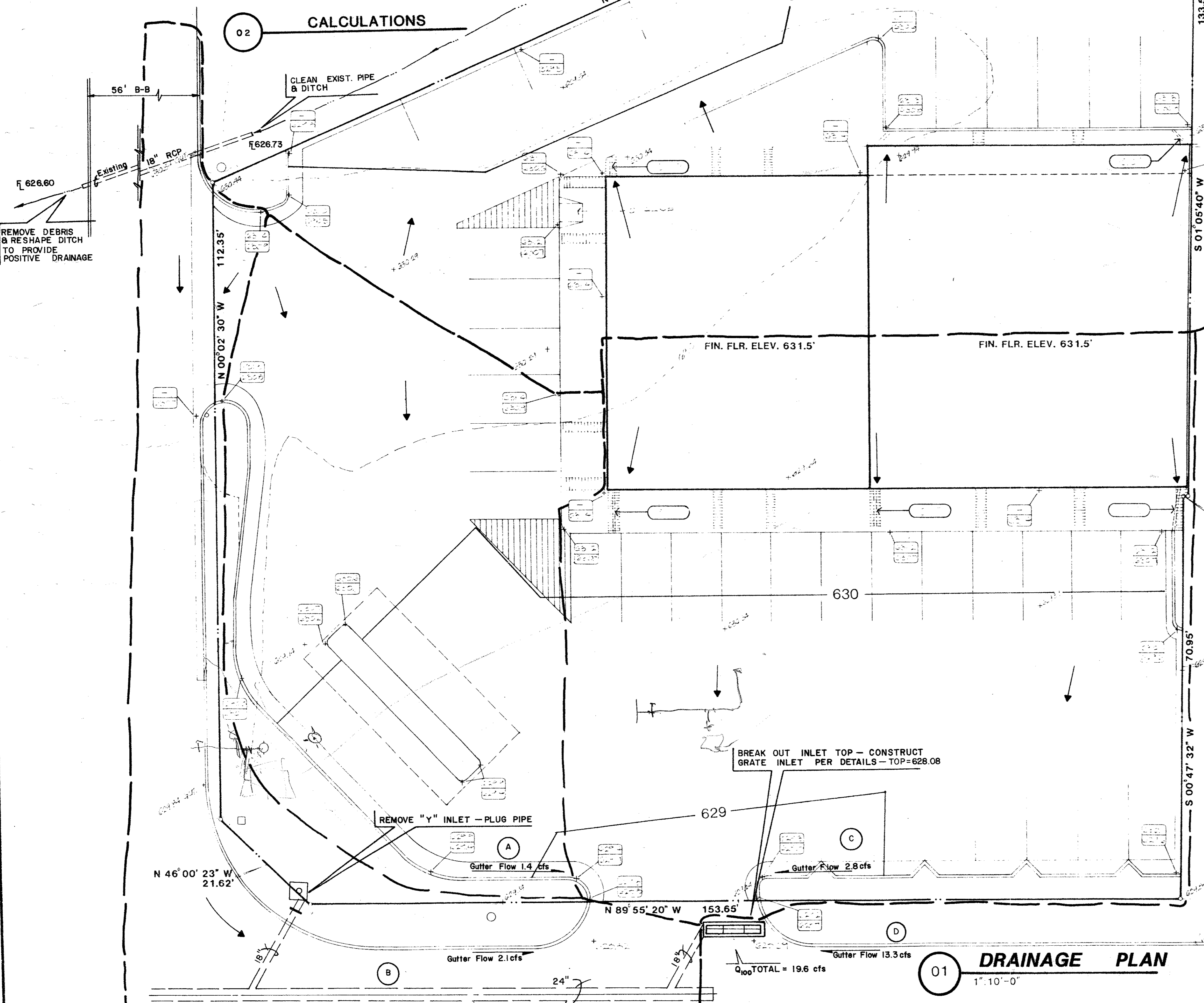


INLET CONTROL		OUTLET CONTROL		CULVERT ENTRANCE DATA		CULVERT DESIGN CALCULATIONS	
CONCRETE BOX	FLARE ANGLE	ENTRANCE EDGE	TYPE	FLARE ANGLE	ENTRANCE EDGE	TYPE	FLARE ANGLE
14	30° to 75°	Round	0.4	14	30° to 75°	Round	0.4
16	30° to 75°	Round	0.3	16	30° to 75°	Round	0.3
24	15° to 30° & 75° to 90°	Round	0.2	24	15° to 30° & 75° to 90°	Round	0.2
36	0° to 30° & 75° to 90°	Round	0.1	36	0° to 30° & 75° to 90°	Round	0.1
36	0° (Extension of Slope)	Round	0.5	36	0° (Extension of Slope)	Round	0.5

CONCRETE PIPE		HEADWATER CALCULATION	
TYPE	DESCRIPTION	INLET CONTROL (See Plans 02-03)	OUTLET CONTROL (See Plans 02-03)
4	Spigot End With Headwall		
5	Spigot End With Headwall		
01	Spigot End Projecting With No Headwall		
02	Spigot End Projecting With No Headwall		

DESIGN FLOW (cfs) BY RATIONAL METHOD	
LOCATION	Flow
E2	11.6
E3	11.6
E2-A	11.6
E2-B	11.6
E2-C	11.6
E2-D	11.6
TOTAL	19.6

GRATE INLET DESIGN:
 Openings / grate = 22 ea
 Size of openings / grate = 7.4375" x 1.625"
 Area of openings / grate = 11.84 sf
 6 Grate Opening Area = 11.04 sf
 Inlet Capacity = 0.7 A12gh
 at depth = 4"; Capacity = 35.8 cfs
 Design Flow = 19.6 cfs



GINN, INC.
 CONSULTING ENGINEERS
 DALLAS, TEXAS

DATE: 30 APRIL 85

REGISTERED PROFESSIONAL ENGINEER
 DANIEL W. ROTH
 40998

North

EDI ARCHITECTS, INC.
 ARCHITECTURE PLANNING ENGINEERING INTERIOR DESIGN
 8440 WALNUT HILL LANE
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 DALLAS, TEXAS 75231
 916 / 750-1648

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