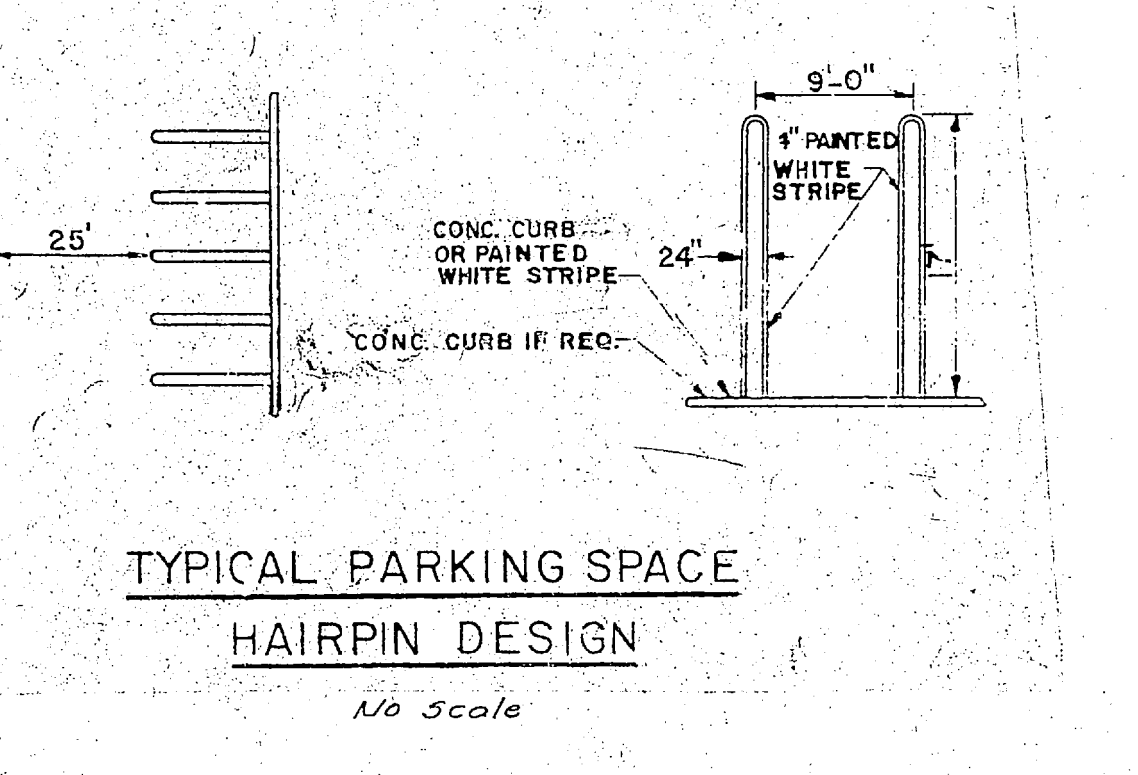
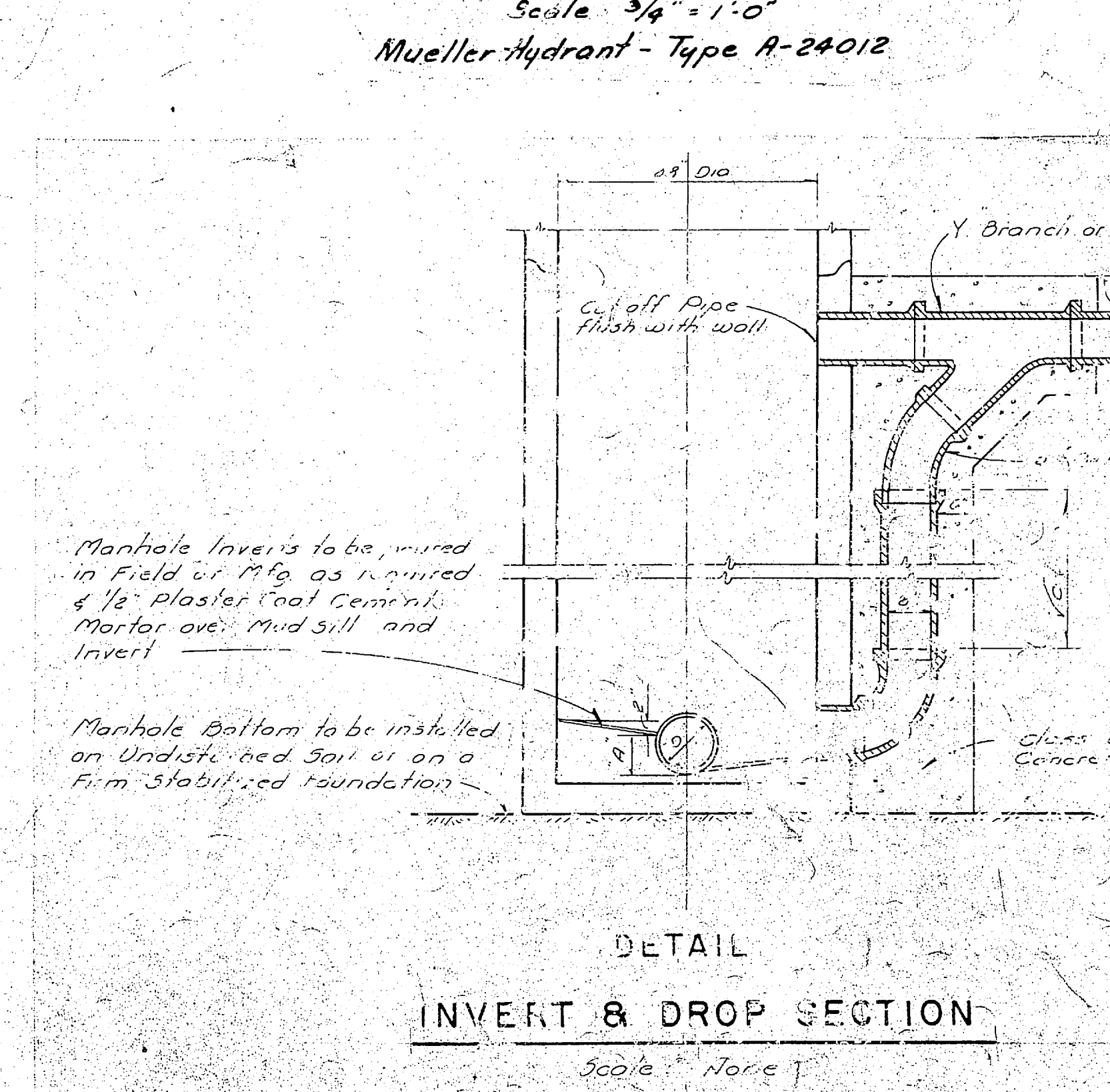
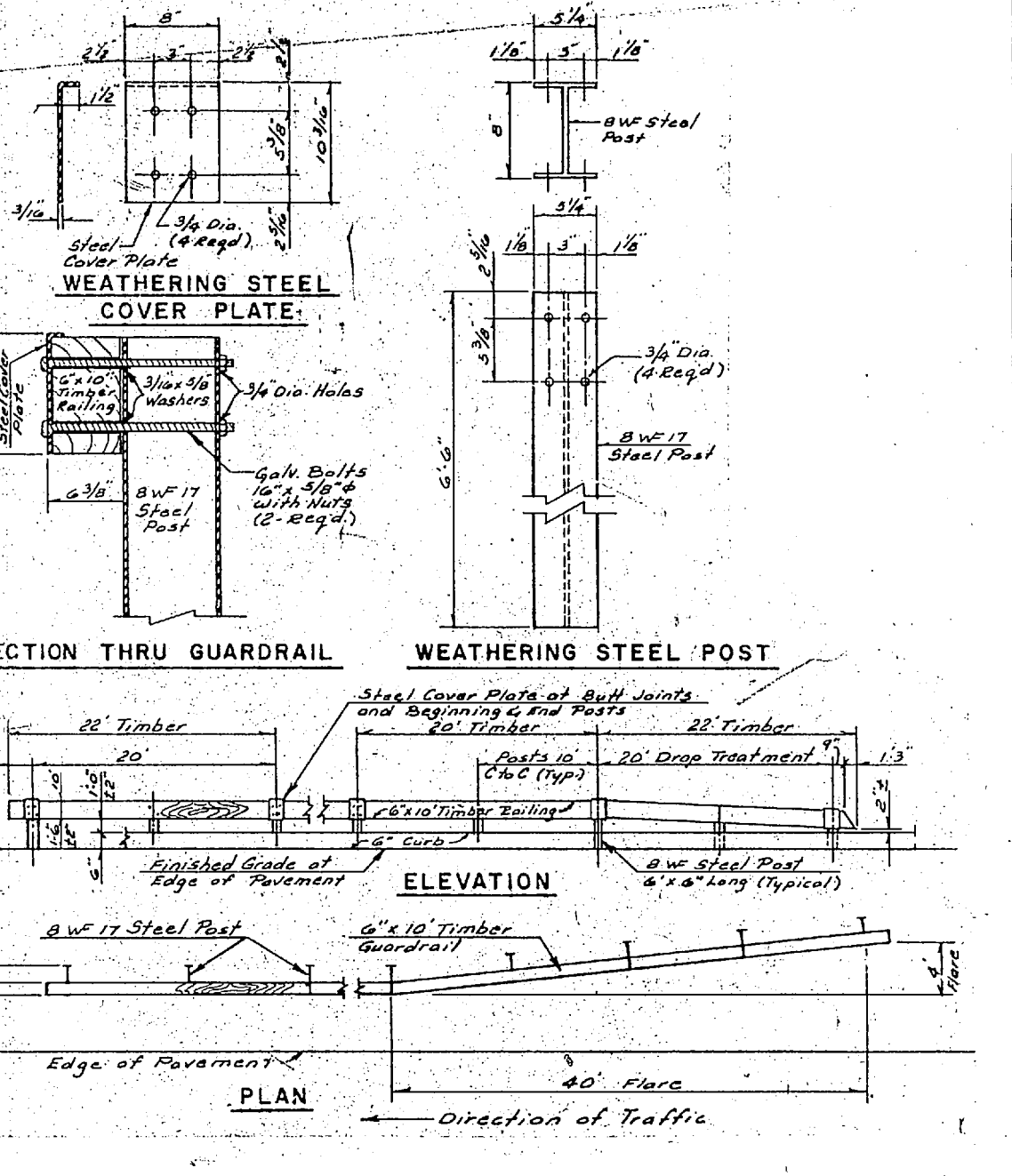
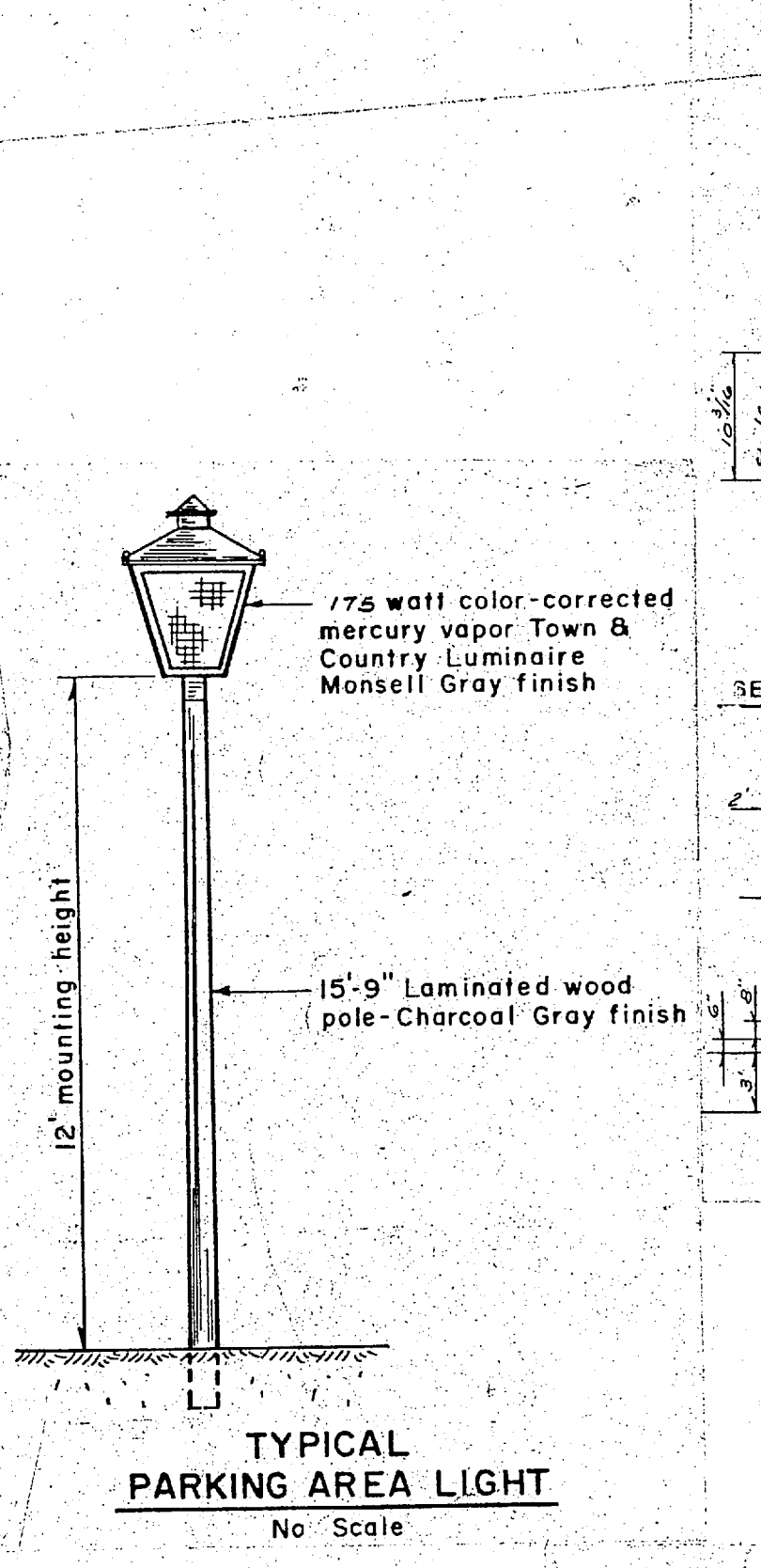
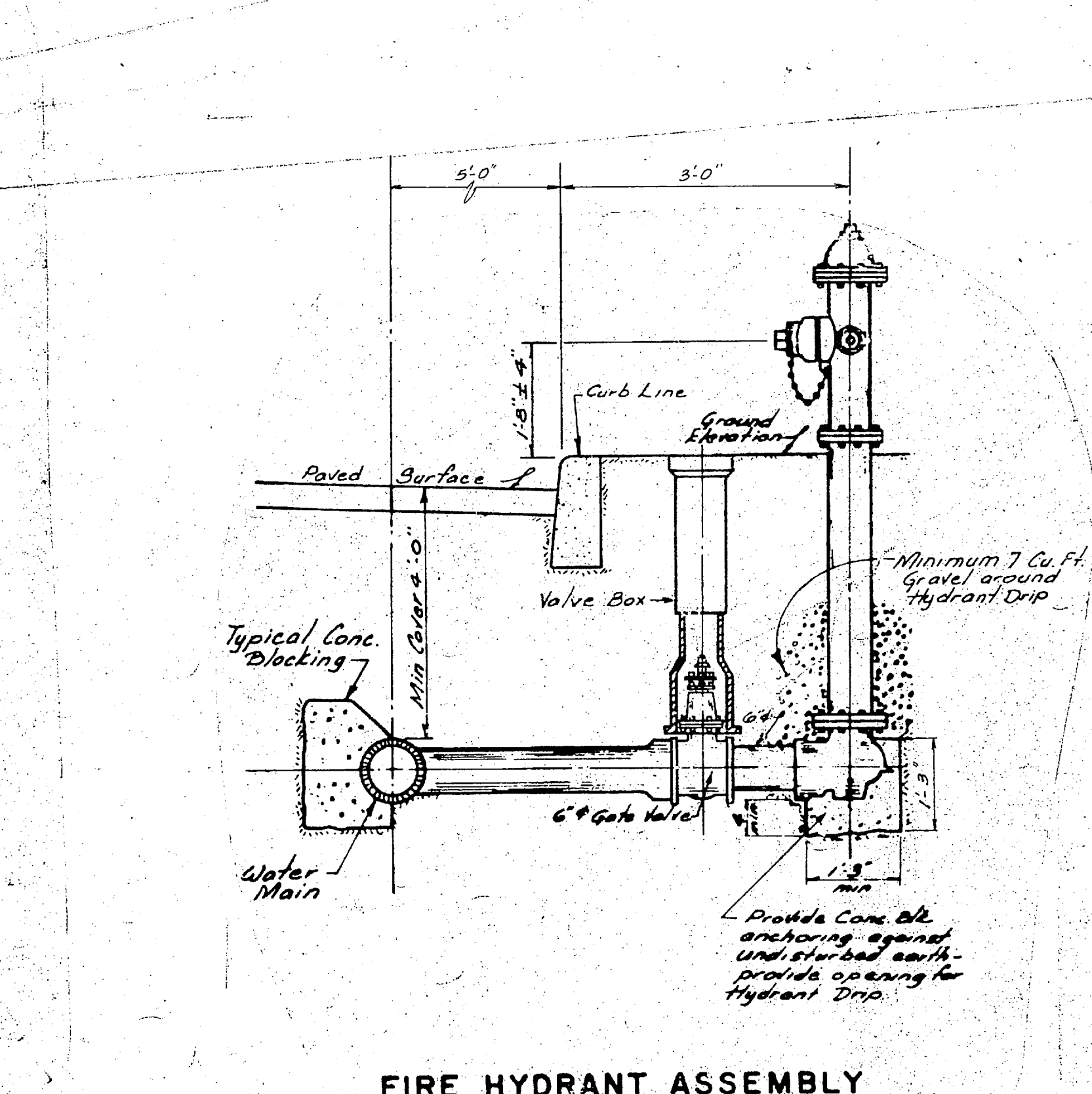
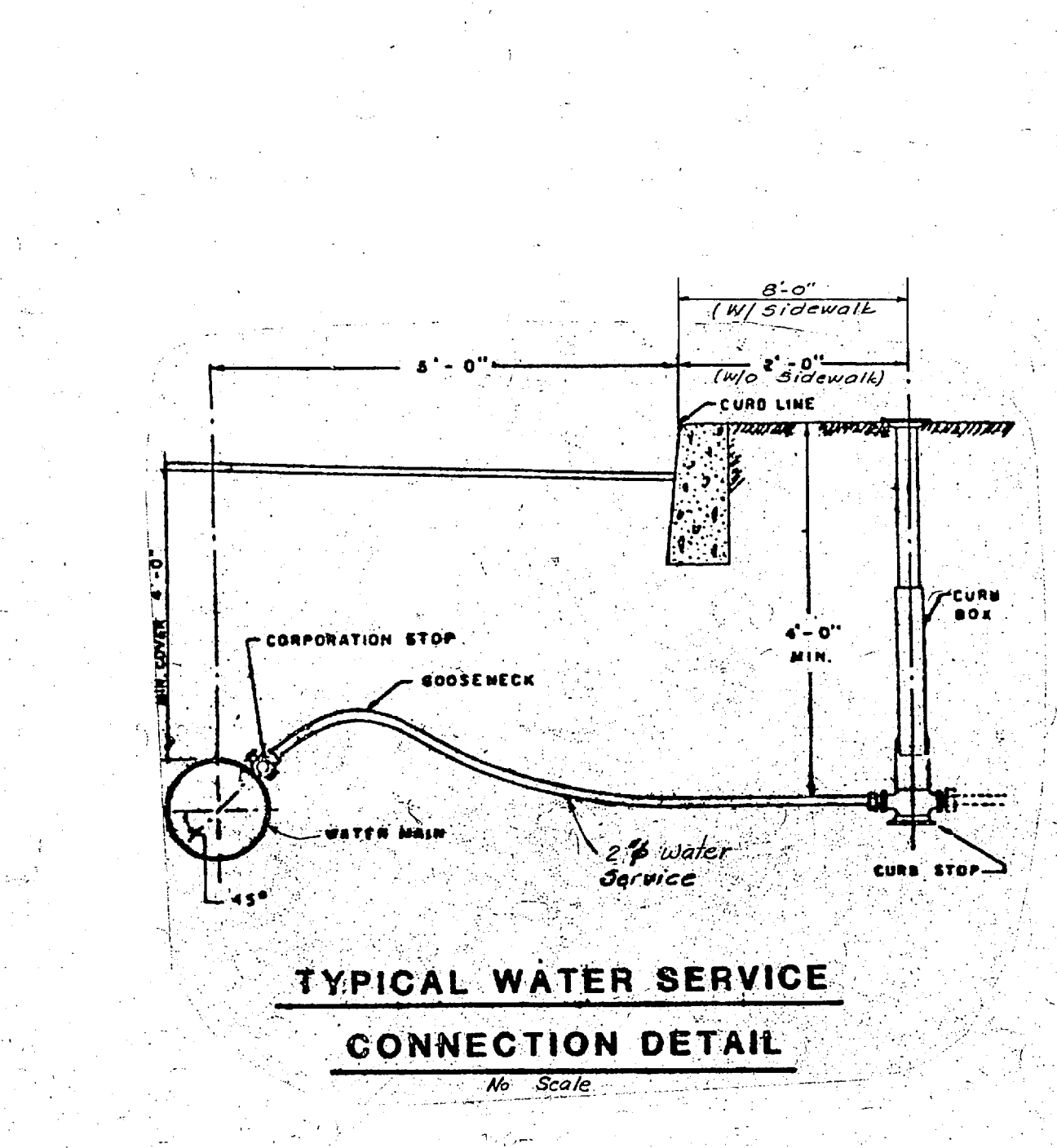


Thrust Blocks for Tees, Horizontal and Vertical Bends and Plugs		8"	6"	8"	10"	12"	14"
Tees	N	0'-6"	0'-9"	1'-0"	1'-3"	1'-3"	1'-7"
Hor & Vertical Upward 90° Bends	D	0'-6"	0'-8"	1'-0"	1'-3"	1'-3"	1'-7"
Hor & Ver. Co. Upward 45° Bends	P	0'-5"	0'-8"	0'-10"	1'-2"	1'-2"	1'-8"
Hor & Vertical Upward 45° Bends	Q	0'-10"	1'-3"	1'-2"	2'-2"	2'-6"	3'-0"
Hor & Vertical Upward 90° Bends	Q	0'-6"	0'-8"	0'-10"	1'-0"	1'-2"	1'-8"
Hor & Vertical Upward 45° Bends	Q	0'-6"	0'-7"	0'-8"	0'-10"	1'-0"	1'-0"
Hor & Vertical Upward 90° Bends	Q	0'-6"	0'-7"	0'-8"	0'-9"	0'-10"	1'-0"
Vert Downward 45° Bends	Min Conc. Anchorage	16CF	32CF	36CF	92CF	130CF	192CF
Vert Downward 90° Bends	Anchorage	8CF	16CF	28CF	46CF	63CF	89CF
Vert Downward 45° Bends	Anchorage	8CF	8CF	16CF	23CF	33CF	45CF
Vert Downward 90° Bends	Anchorage	8CF	8CF	16CF	23CF	33CF	45CF
Plugs	B	1'-0"	1'-6"	1'-10"	2'-0"	2'-4"	2'-10"
	B	1'-0"	1'-4"	1'-10"	2'-10"	3'-4"	3'-10"

Thrust blocks designed for 200 lb per sq ft. In test pressure of 3,000 lb per sq ft soil pressure.
 * Min conc. anchorage without backfill and no ground water condition.
 Note: Contractor shall verify soil bearing pressure. Above thrust blocks shall be utilized only if actual pressure meets or exceeds 3,000 P.S.F.



4-2-80	Rev. per Elizabeth Water Co. recommendations
8-1-85	Rev. per Final Approval by Piscataway, Tap. P.B.
Date	Description
REVISIONS	

DONALD W. SMITH
 CONSULTING ENGINEERS
 PLANNERS
 SURVEYORS
 45 BROOKSIDE ROAD
 LAKEWOOD, N.J. 08701
 (201) 363-5850

DONALD W. SMITH
 PROFESSIONAL ENGINEER & LAND SURVEYOR #12649
 PROFESSIONAL PLANNER #33

NICHOLAS V. COPPOLA
 PROFESSIONAL ENGINEER #189
 LAND SURVEYOR #189

ALAN R. VEVERKA
 PROFESSIONAL ENGINEER #239

SOCIETY HILL AT PISCATAWAY
 TOWNSHIP OF PISCATAWAY
 MIDDLESEX COUNTY, NEW JERSEY

CONSTRUCTION DETAILS

JOB NO. 153-910 SCALE 3/4" = 1'-0" DATE 9-12-84 SHEET H OF 17
 DESIGNED BY [Signature] CHECKED BY [Signature] DRAWN BY [Signature]