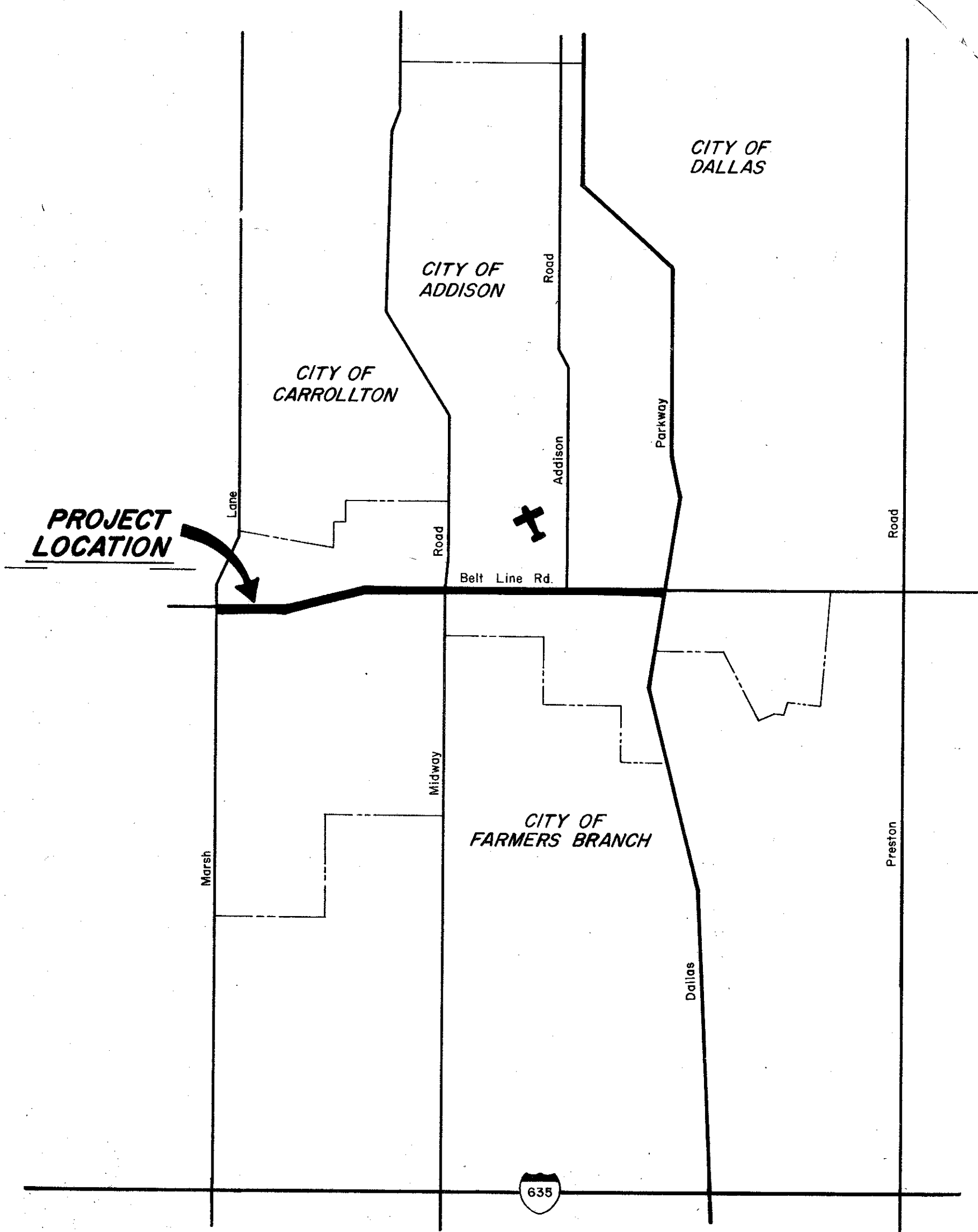


# THE CITY OF ADDISON AND THE COUNTY OF DALLAS

## CONSTRUCTION PLANS FOR:

**-BELT LINE ROAD IMPROVEMENTS-**  
**MARSH LANE TO NORTH DALLAS PARKWAY**  
 PROJECT LENGTH: 10,185 FT.



**JERRY J. REDDING - MAYOR**  
**COUNCILMEN:**  
 JOHN B. ALLEN  
 RICHARD RODER  
 WILLIAM F. SELLMAYER  
 JACK DINGLER  
 TERRY ROBERTS  
**C. J. WEBSTER - CITY ADMINISTRATOR**  
**DON PREECE - DIRECTOR OF PUBLIC WORKS**



**GINN INC.**  
 CONSULTING ENGINEERS  
 DALLAS, TEXAS  
 1980

**CITY OF ADDISON**  
 Approved By: *[Signature]*  
 Mayor  
**COUNTY OF DALLAS**  
 Approved By: \_\_\_\_\_  
 C. Judson Shock P.E.  
 Director Of Public Works

B17-2  
 BELT LINE Rd. MARSH Ln. to DALLAS PARKWAY TOTAL 1980  
 B17-2

**SHEET INDEX**

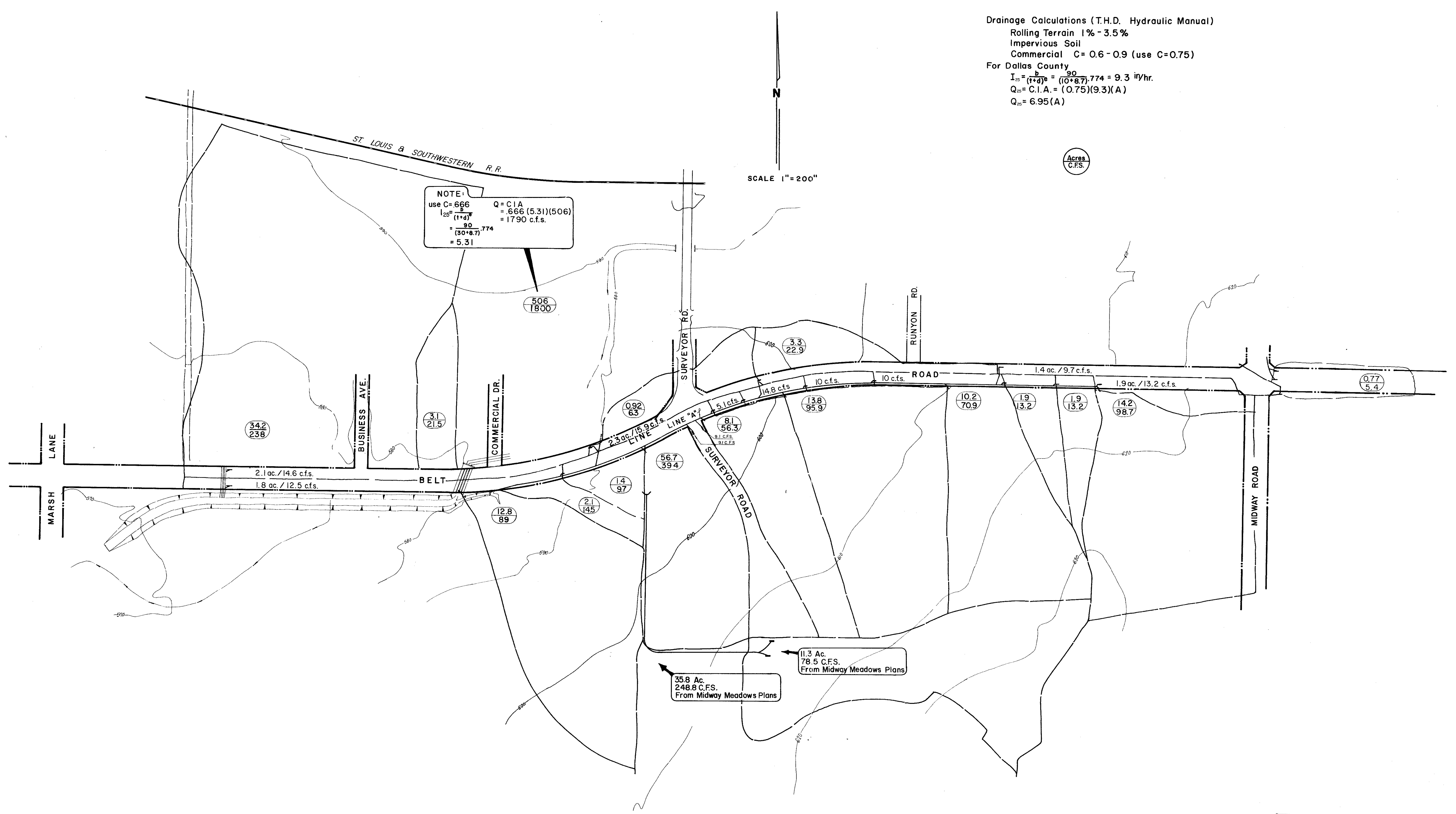
SHEET NO.	DESCRIPTION
	INDEX SHEET
1 & 2	LOCATION: RIGHT OF WAY MAP
3	SUMMARY OF QUANTITIES
4 & 5	CONSTRUCTION SEQUENCE
6	PAVING BELT LINE ROAD STA. 0+00 TO 5+00
7	PAVING BELT LINE ROAD STA. 5+00 TO 10+00
8	PAVING BELT LINE ROAD STA. 10+00 TO 15+00
9	PAVING BELT LINE ROAD STA. 15+00 TO 20+00
10	PAVING BELT LINE ROAD STA. 20+00 TO 25+00
11	PAVING BELT LINE ROAD STA. 25+00 TO 30+00
12	PAVING BELT LINE ROAD STA. 30+00 TO 35+00
13	PAVING BELT LINE ROAD STA. 35+00 TO 40+00
14	PAVING BELT LINE ROAD STA. 40+00 TO 45+00
15	PAVING BELT LINE ROAD STA. 45+00 TO 50+00
16	PAVING BELT LINE ROAD STA. 50+00 TO 55+00
16A	MIDWAY ROAD TRANSITION
17	PAVING BELT LINE ROAD STA. 55+00 TO 60+00
18	PAVING BELT LINE ROAD STA. 60+00 TO 65+00
19	PAVING BELT LINE ROAD STA. 65+00 TO 70+00
20	PAVING BELT LINE ROAD STA. 70+00 TO 75+00
21	PAVING BELT LINE ROAD STA. 75+00 TO 80+00
22	PAVING BELT LINE ROAD STA. 80+00 TO 85+00
23	PAVING BELT LINE ROAD STA. 85+00 TO 90+00
24	PAVING BELT LINE ROAD STA. 90+00 TO 95+00
24A	MARCY STREET TRANSITION
25	PAVING BELT LINE ROAD STA. 95+00 TO 100+00
26	PAVING BELT LINE ROAD STA. 100+00 TO 104+35.96
27	PAVING INWOOD ROAD (NEW) STA. 0+85 TO 6+05
28	PAVING INWOOD ROAD (OLD) STA. 1+00 TO 4+15
29 & 30	DRAINAGE AREA MAP
31	OPEN CHANNEL DETAILS
32	DRAINAGE BELT LINE ROAD STA. 5+00 TO 10+00
33	DRAINAGE BELT LINE ROAD STA. 15+00 TO 20+00
34	DRAINAGE BELT LINE ROAD STA. 20+00 TO 25+00
35	DRAINAGE BELT LINE ROAD STA. 25+00 TO 30+00
36	DRAINAGE BELT LINE ROAD STA. 30+00 TO 35+00
37	DRAINAGE BELT LINE ROAD STA. 35+00 TO 40+00
38	DRAINAGE BELT LINE ROAD STA. 40+00 TO 45+00
39	DRAINAGE BELT LINE ROAD STA. 60+00 TO 65+00
40	DRAINAGE BELT LINE ROAD STA. 65+00 TO 70+00
41	DRAINAGE BELT LINE ROAD STA. 72+00 TO 78+00
42	DRAINAGE BELT LINE ROAD STA. 78+00 TO 82+00
43	DRAINAGE INWOOD ROAD (OLD)
44	DRAINAGE INWOOD ROAD (NEW)
45-49	CONSTRUCTION DETAIL SHEETS
50-56	STANDARD DETAIL SHEETS

<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
INDEX TO DRAWINGS			
<b>BELT LINE ROAD</b>			
<b>MARSH LANE TO NORTH DALLAS PKWY.</b>			
GINN INC., CONSULTING ENGINEERS			
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980	FILE
APPROVED-H.W.G.	CHECKED-S.M.	SCALE-	SHEET ____ OF ____

Drainage Calculations (T.H.D. Hydraulic Manual)  
 Rolling Terrain 1% - 3.5%  
 Impervious Soil  
 Commercial C = 0.6 - 0.9 (use C = 0.75)  
 For Dallas County  
 $I_{10} = \frac{b}{(1+d)^e} = \frac{90}{(10+8.7)^{.774}} = 9.3 \text{ in/hr.}$   
 $Q_{10} = C.I.A. = (0.75)(9.3)(A)$   
 $Q_{10} = 6.95(A)$

SCALE 1" = 200'

NOTE:  
 use C = 666  
 $I_{25} = \frac{b}{(1+d)^e} = \frac{90}{(10+8.7)^{.774}} = 5.31$   
 $Q = C.I.A. = 666(5.31)(506) = 1790 \text{ c.f.s.}$



35.8 Ac.  
248.8 C.F.S.  
From Midway Meadows Plans

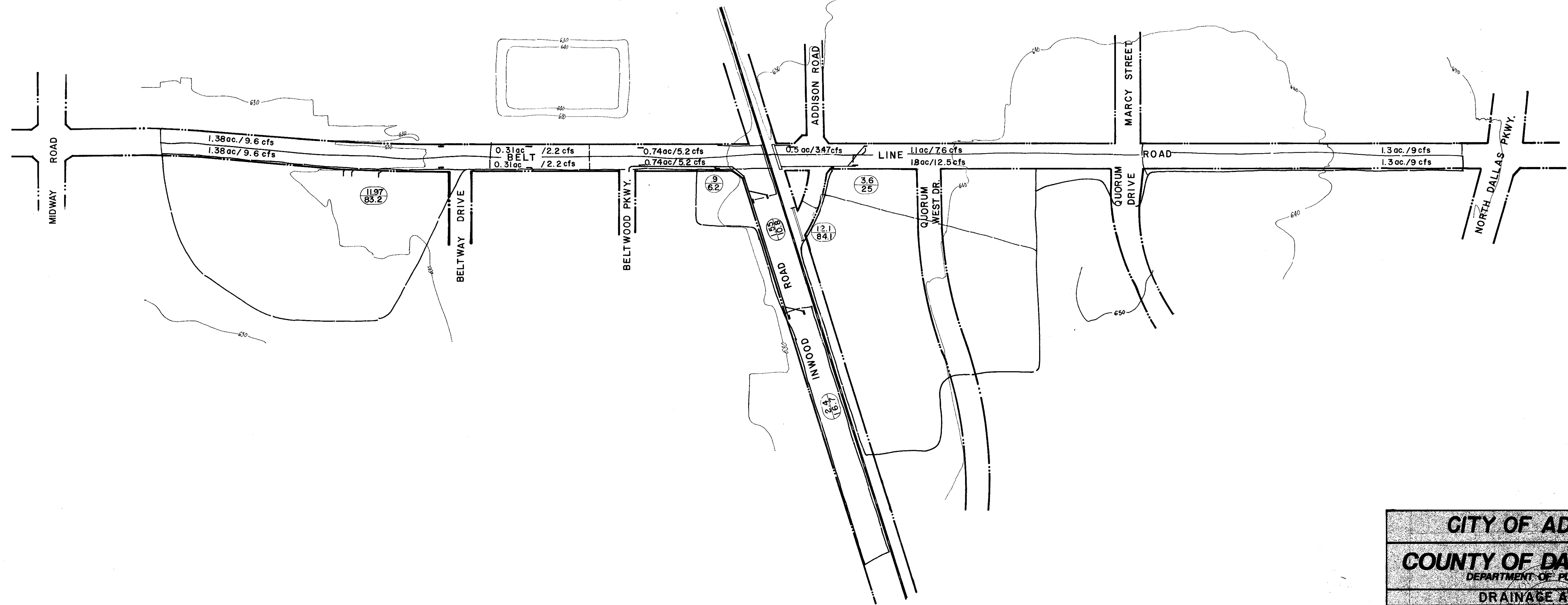
11.3 Ac.  
78.5 C.F.S.  
From Midway Meadows Plans

<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
DRAINAGE AREA MAP			
BELT LINE ROAD			
MIDWAY ROAD TO NORTH DALLAS PKWY			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - 1" = 200'	SHEET 29 OF

Drainage Calculations (T.H.D. Hydraulic Manual)  
 Rolling Terrain 1% - 3.5%  
 Impervious Soil  
 Commercial C = 0.6 - 0.9 (use C=0.75)  
 For Dallas County  
 $I_{25} = \frac{b}{(1+d)^e} = \frac{90}{(10+8.7)^{.774}} = 9.3 \text{ in/hr.}$   
 $Q_{25} = C.I.A. = (0.75)(9.3)(A)$   
 $Q_{25} = 6.95(A)$

Acres  
C.F.S.

N  
SCALE: 1" = 200'

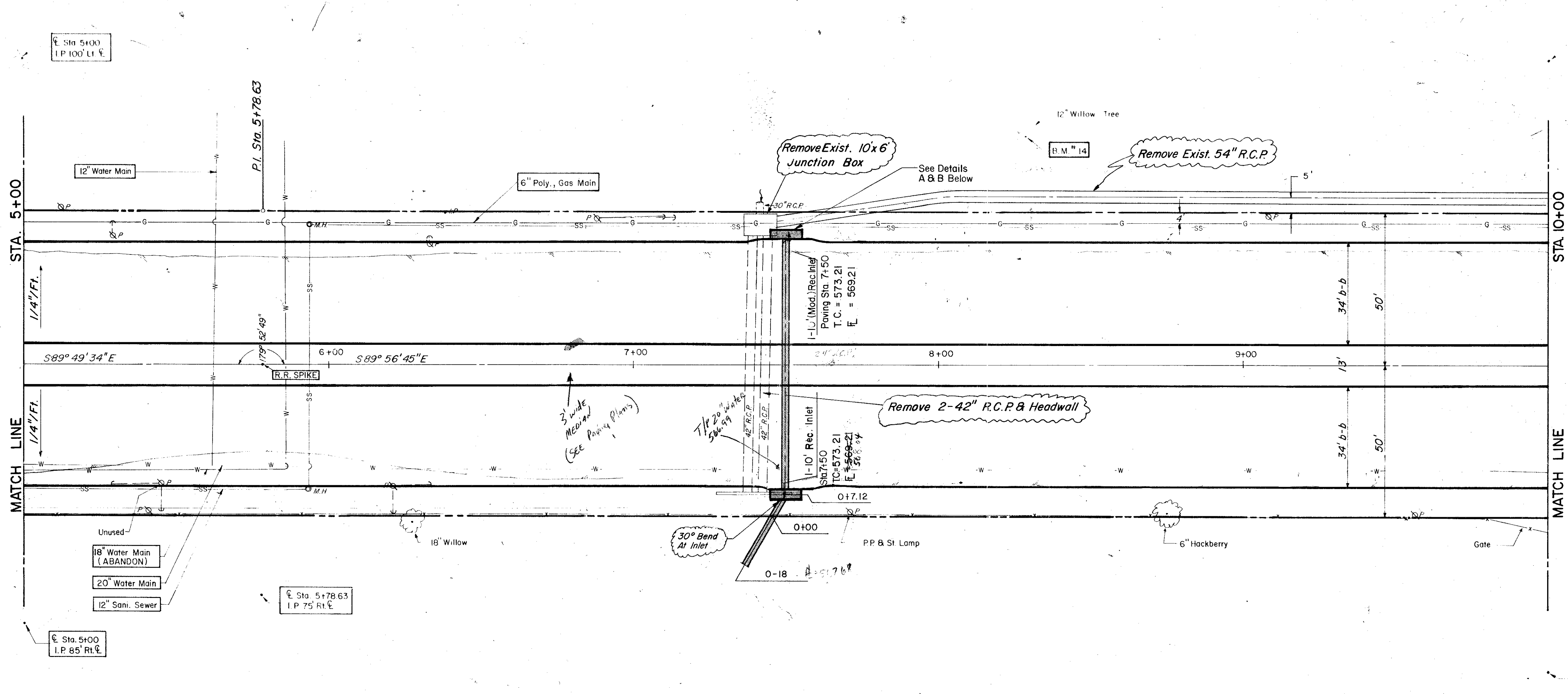


**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 DRAINAGE AREA MAP  
 BELT LINE ROAD  
 MIDWAY ROAD TO NORTH DALLAS PKWY  
 GINN, INC., CONSULTING ENGINEERS  
 DESIGNED - H.B.J. / CHECKED - B.H. / DATE - MAY 1960  
 APPROVED - H.W.G. / CHECKED - S.M. / SCALE - 1" = 200'

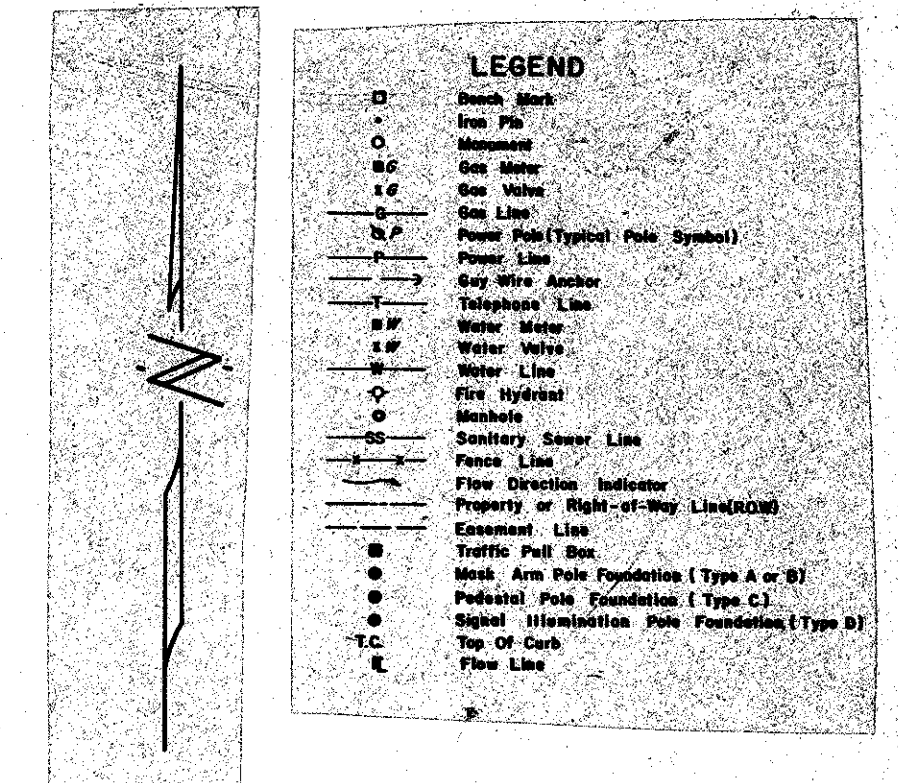




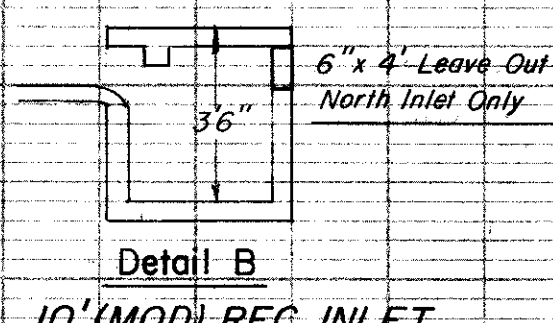
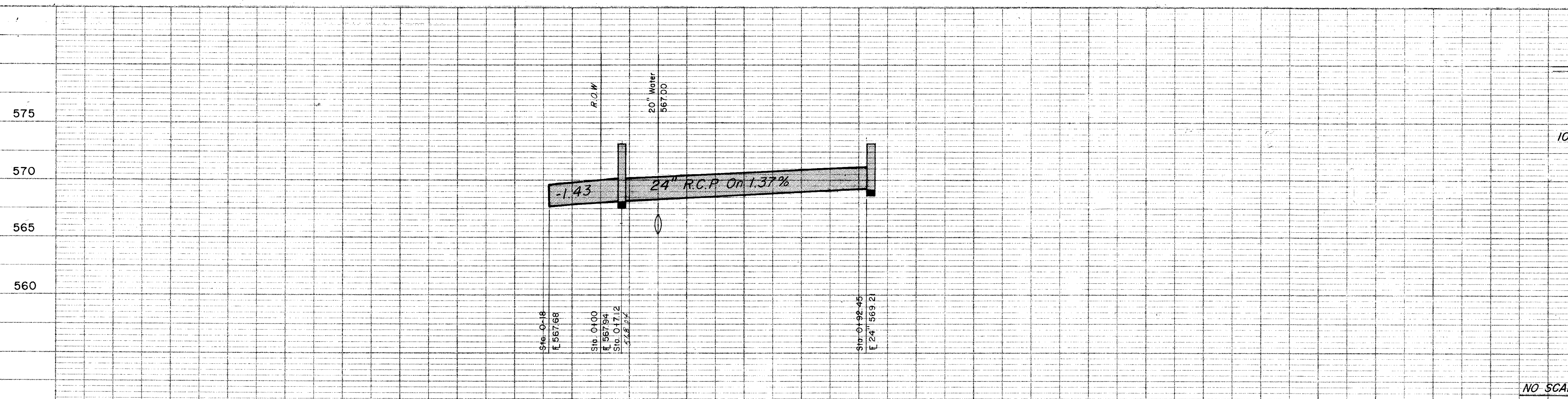




ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
427.1	Conc. Headwall (C1-A)	CY	2.4
440.1	Reinforcing Steel	LB	245.0
465.4	30" R.C.P. C1 III	LF	241.0
465.5	18" R.C.P. C1 III	LF	174.0
465.5	24" R.C.P. C1 III	LF	428.0
470.2	10' Rect. Inlet-Comp. in pl.	EA	1.0
479.3	Adjust 20" Water Main	LF	30.0
496.4	Remove Existing 2-42" RCP	LF	1.0
496.5	Headwall & Junction Box	LS	1.0
496.6	10' (Mod.) Rect. Inlet-Comp. in pl.	EA	1.0
496.5	Remove 54" R.C.P.	LF	255.0



B.M. # 14 R.R. Spike in 12" Willow Tree At 75' N  
 (1) Y. Belt Line B 250' E (1) E. Old Marsh Lane, ELEV. = 576.32



NO SCALE

NO.	REVISION	DATE
2	Chg Location 24" R.C.P.	9-23-80
1	Inlets & Channel	6-13-80

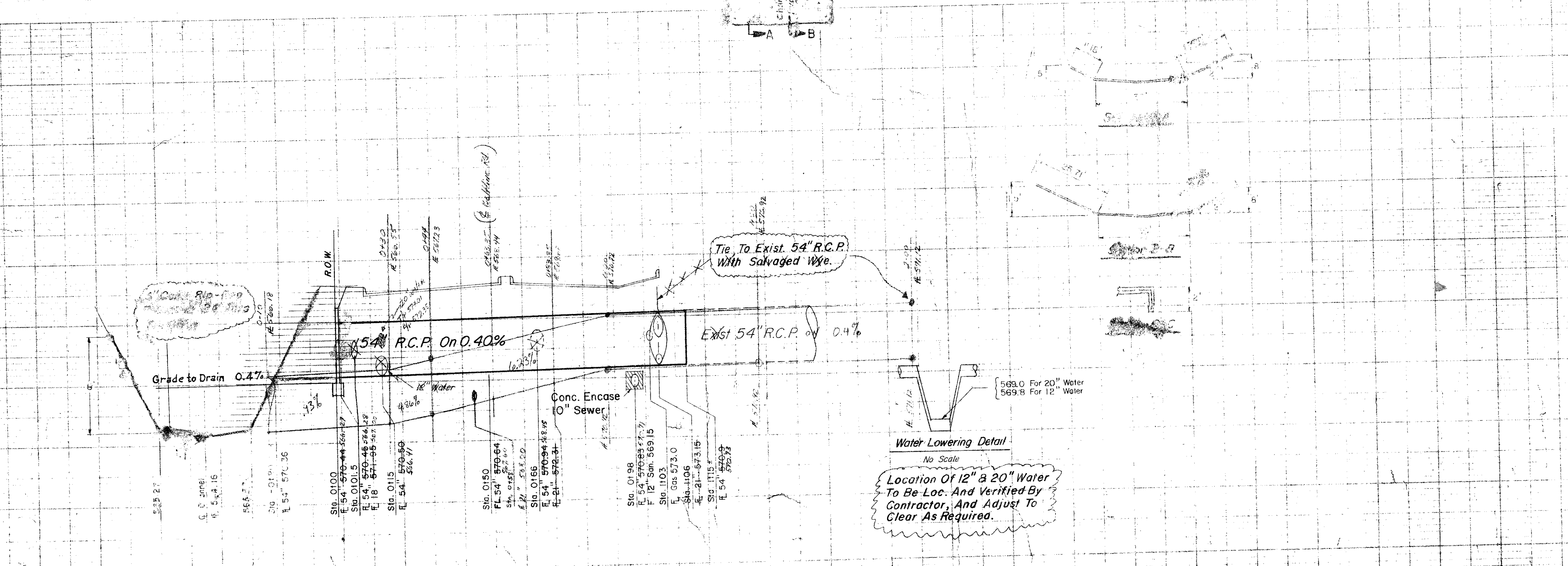
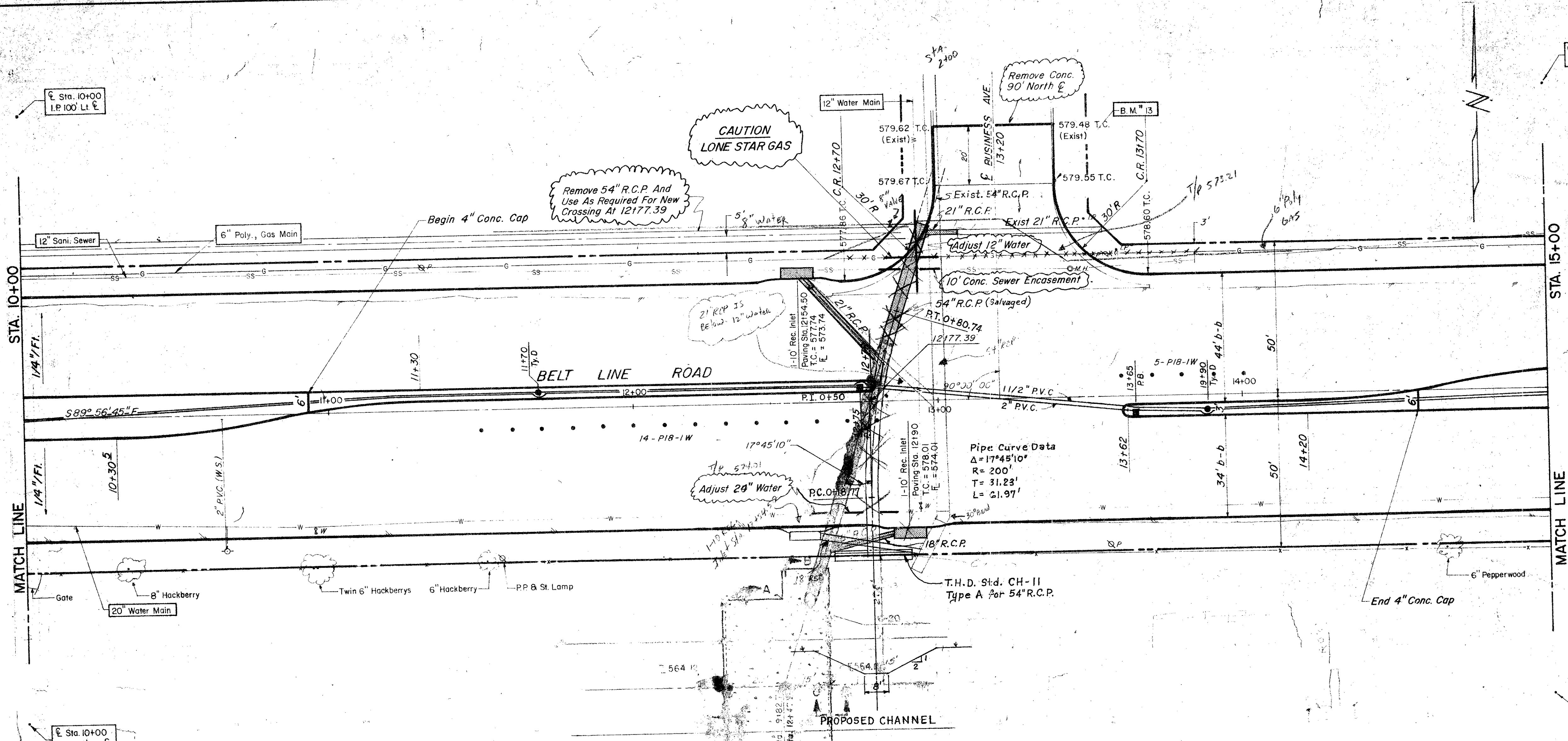
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 DRAINAGE / STA. 5100 - 10100  
**BELT LINE ROAD**  
 MARSH LN. TO NORTH DALLAS PKWY  
 GINN, INC. CONSULTING ENGINEERS

DESIGNED: J.C.H. CHECKED: B.H. DATE: MAY 1980  
 APPROVED: HWG CHECKED: S.M. SCALE: H=1"=20' V=1"=5' SHEET: 32



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
432	Conc. Rip-Rap	LS	224.00
479.7	Sewer Encasement / C.I. Pipe	LF	105.00
440.5	Reinf. Sheet (For Rip-Rap)	LF	105.00
465.1	18" R.C.P. C.I. III	LF	224.00
465.2	21" R.C.P. C.I. III	LF	38.00
470.2	10' Rec. Inlet Comp. In Pl.	EA	2.00
479.6	Adjust 12" Water	LF	40.00
479.3	Adjust 20" Water	LF	10.00
469.3	Remove 54" R.C.P.	LF	297.00
464.14	Relay 54" R.C.P.	LF	1350.00

LEGEND	
Symbol	Description
○	Spot Elevation
○	Top of Pipe
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Line
○	City Wire Junction
○	Telephone Line
○	Water Main
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sewer Manhole
○	Proposed Sewer Line
○	Proposed Sewer Inlet
○	Proposed or Right-of-Way Line
○	Existing Line
○	Utility Pole
○	New Air Pole Foundation (Type A or B)
○	Existing Pole Foundation (Type C)
○	Special Intermediate Pole Foundation (Type D)
○	Top Of Curb
○	Flow Line

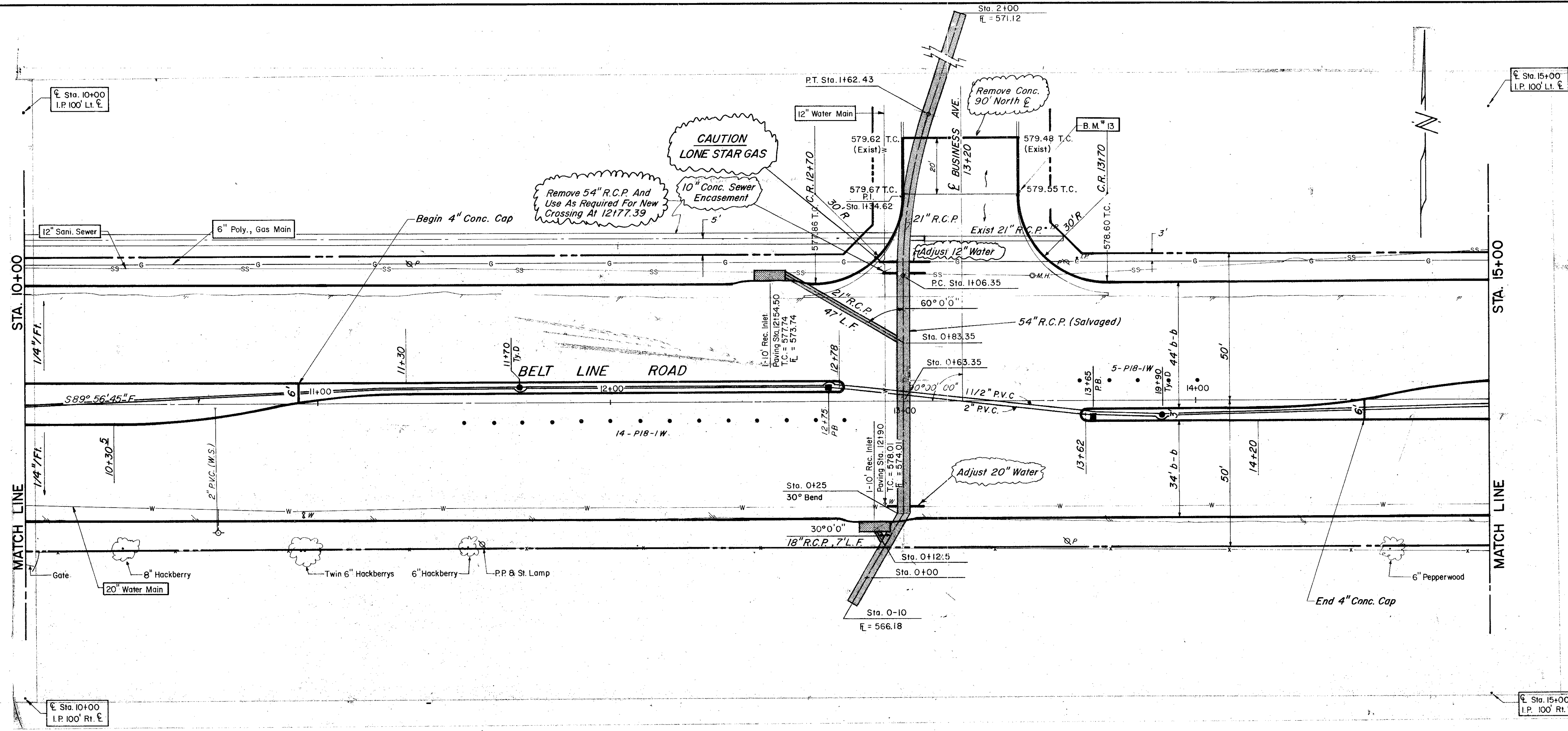


Sta. 15+00  
I.P. 100' R.I. E.

B.M. 13, "a" Top of Curb At Curb Return, East Side Of Business Ave. B North Of Belt Line, ELEV. = 579.8

CITY OF ADDISON	
COUNTY OF DALLAS, TEXAS	
DEPARTMENT OF PUBLIC WORKS	
DRAINAGE STA. 10+00 - 15+00	
BELT LINE ROAD	
MARSH LN. TO NORTH DALLAS PKWY.	
GINN, INC., CONSULTING ENGINEERS	
DESIGNED - A.C.F.	DRAWN - S.M.
DATE - JUNE - 1980	FILE
APPROVED - H.W.G.	CHECKED - B.H.
SCALE - H = 1" = 20' V = 1" = 5'	SHEET 32 A

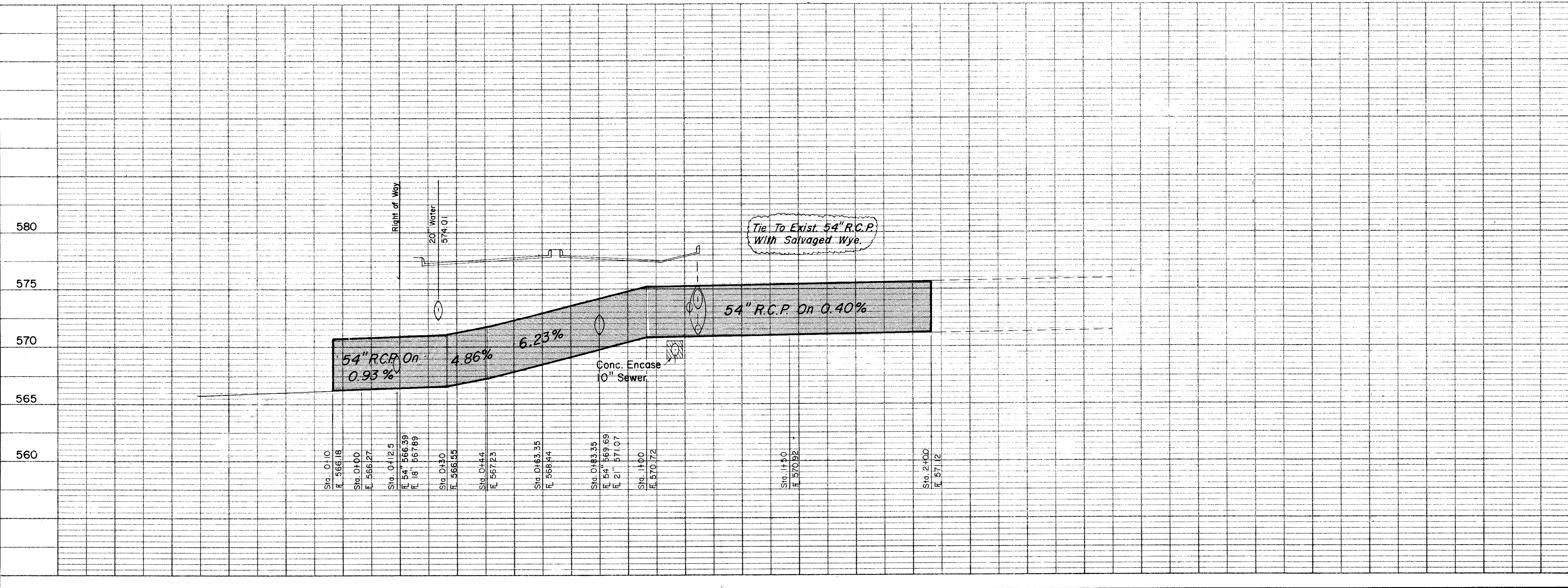




ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
479.7	Sewer Encasement / C.I. Pipe	LF	10.0
465.1	18" R.C.P. CI III	LF	24.0
465.2	21" R.C.P. CI III	LF	50.0
470.2	10" Rec. Inlet - Comp. In Pl.	EA	2.0
479.6	Adjust 12" Water	LF	30.0
479.3	Adjust 20" Water	LF	10.0
469.3	Remove 54" R.C.P.	LF	297.0
464.14	Relay 54" R.C.P.	LF	135.0

LEGEND	
□	Bench Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Ray Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Mechanic
○	Sanitary Sewer Line
○	Force Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line(S/W)
○	Encasement Line
○	Traffic Pull Box
○	Mass Arm Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Flow Line

B.M. # 13, "o" Top of Curb At Curb Return - East Side Of Business Ave. & North Of Belt Line, ELEV = 579.88



NO.	REVISION	DATE
3	Chg 54" R.C.P.	9-22-80
2	Chg 54" R.C.P.	7-24-80
1	Added Sh.	6-13-80

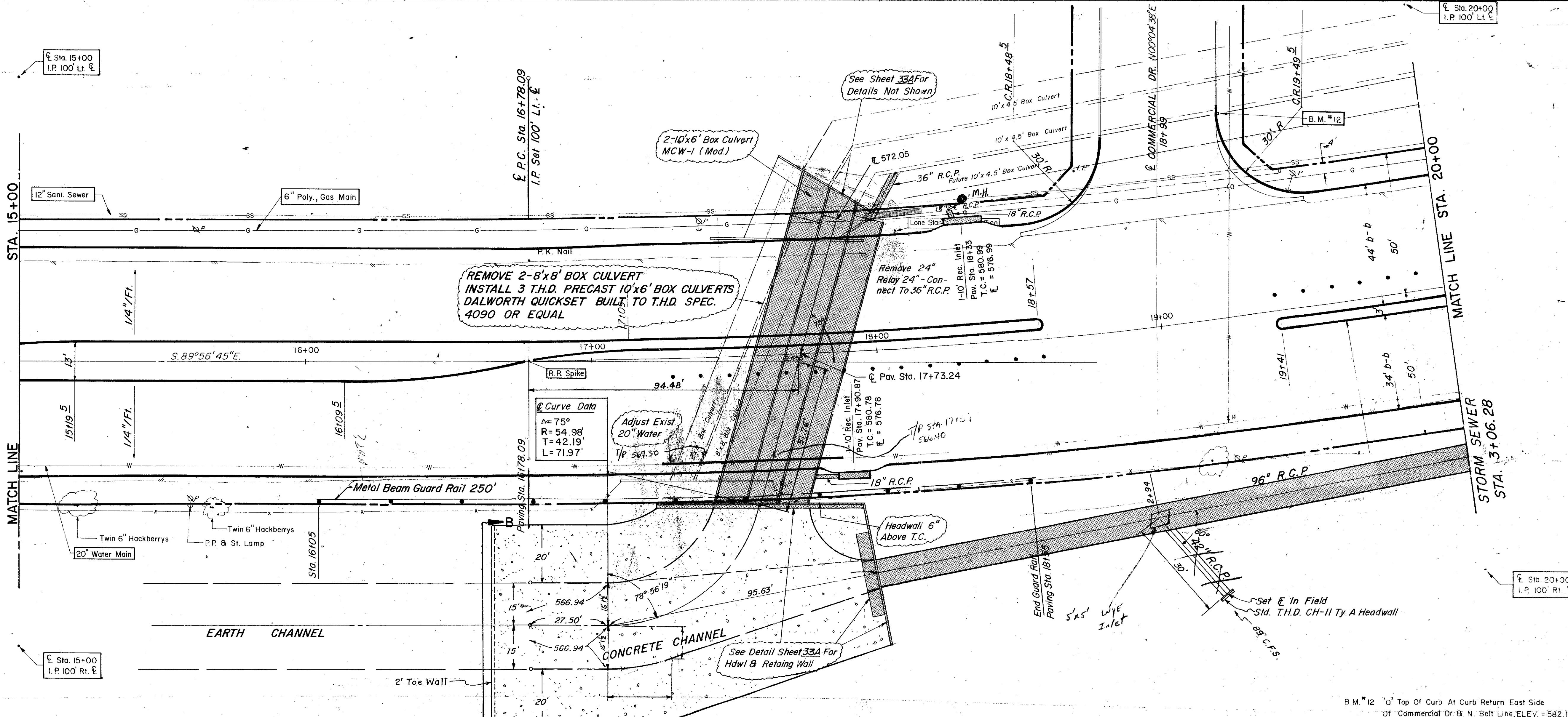
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

DRAINAGE STA. 10100 - 15100  
**BELT LINE ROAD**

**MARSH LN. TO NORTH DALLAS PKWY.**  
**GINN, INC., CONSULTING ENGINEERS**

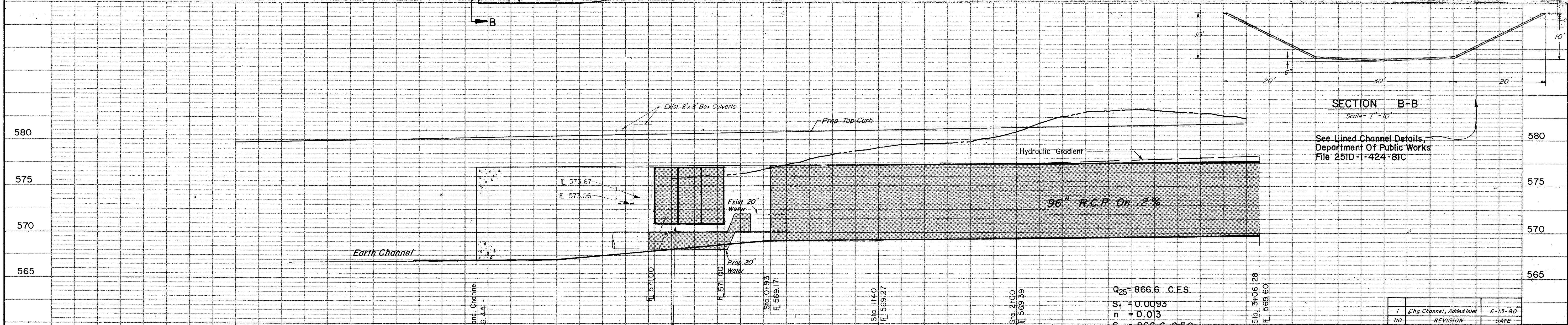
DESIGNED-A.C.F. DRAWN-S.M. DATE-JUNE 1980 FILE  
 APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20'/V=1"=5' SHEET 32A OF





ITEM	DESCRIPTION	UNIT	QUANTITY
4090	PRECAST 10x6' CONC. BOX CL.V.T.	LF	315
4211	CL. A CONC. FO. HEADWALLS	CY	4.1
4212	CONC. RETAINING WALLS (CL. II)	CY	64.4
4232	Rip Rap (Conc) - Channel	SY	1055
4263	90\"/>		

LEGEND	
□	Touch Mark
○	Low Pole
○	Manhole
○	San Manhole
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Ray Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Fence Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (R.O.W.)
○	Easement Line
○	Traffic Pole
○	Max. Arm Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Shield-illustration Pole Foundation (Type D)
○	Top Of Curb
○	Flow Line



Approximate Location of 20\"/>

SECTION B-B  
Scale = 1" = 10'

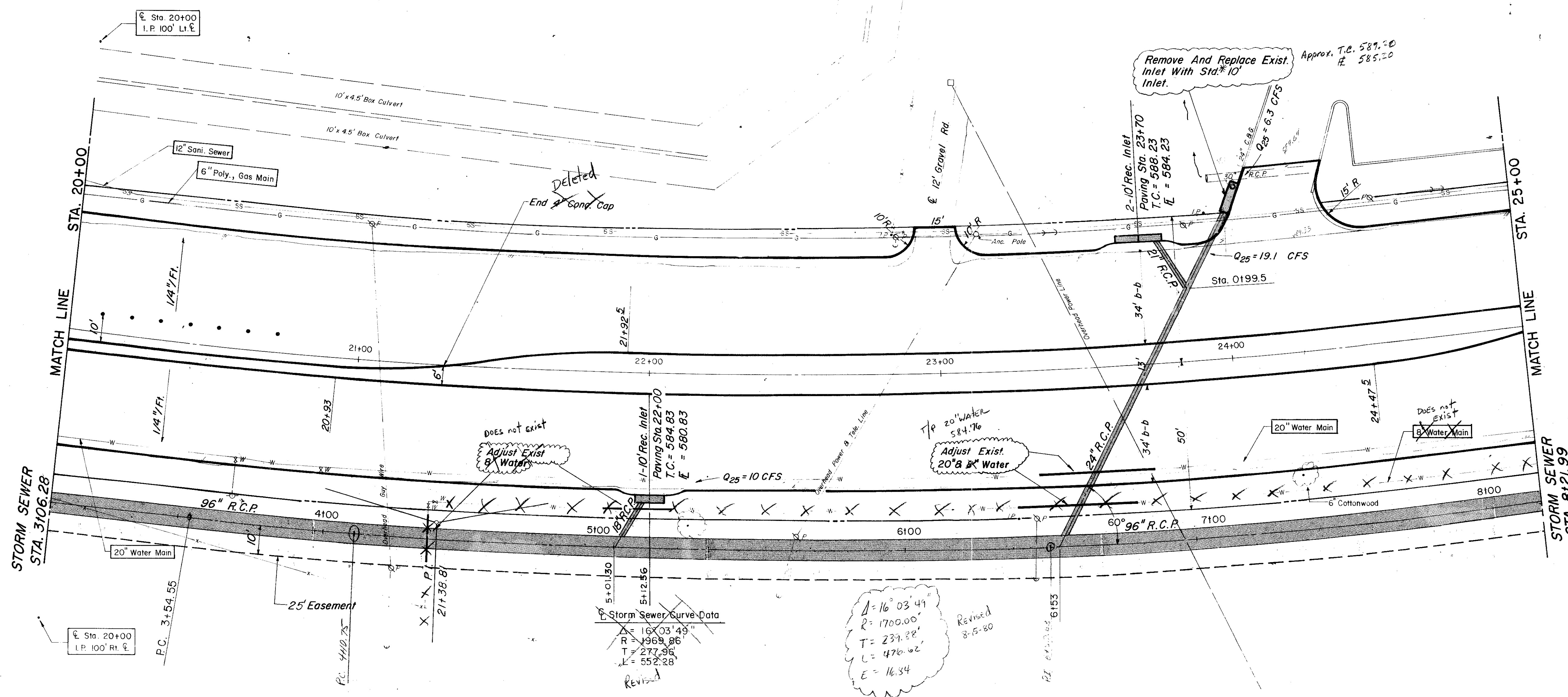
See Lined Channel Details, Department of Public Works File 251D-1-424-BIC

<b>CITY OF ADDISON</b>		
<b>COUNTY OF DALLAS, TEXAS</b>		
DEPARTMENT OF PUBLIC WORKS		
DRAINAGE STA. 15100-20100		
BELT LINE ROAD		
MARSH LN. TO N0TH DALLAS PKWY.		
GINN, INC., CONSULTING ENGINEERS		
DESIGNED - J.C.H. DRAWN - S.M.	DATE - MAY 1980	FILE
APPROVED - HWG	CHECKED - B.H.	SCALE - H = 1" = 20' / V = 1" = 5'



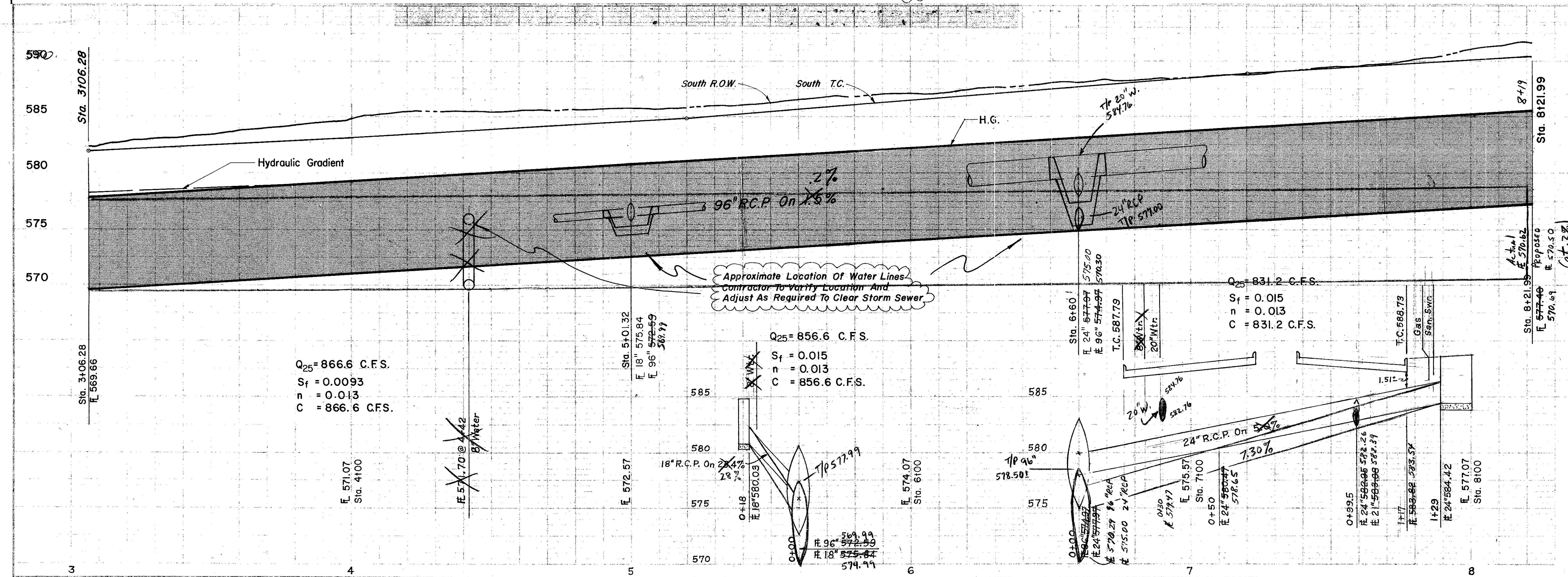






ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
465.1	18" R.C.P. CI 111	LF	20.0
465.2	24" R.C.P. CI 111	LF	130.0
465.3	24" R.C.P. CI 111	LF	130.0
465.13	24" R.C.P. CI 111	LF	516.0
470	Rec. Inlet-compl. in pl.	EA	9.0
470.4	24" Standard C.I.	EA	1.0
475.3	Adjust 8" Water Main	LF	20.0
479.0	Adjust 8" Water Main	LF	47.0

LEGEND	
□	Bench Mark
○	Iron Pin
○	Mound
⊙	Gas Meter
⊙	Gas Valve
⊙	Gas Line
⊙	Power Pole (Typical Pole Symbol)
⊙	Power Line
⊙	Gay Wire Anchor
⊙	Telephone Line
⊙	Water Meter
⊙	Water Valve
⊙	Water Line
⊙	Fire Hydrant
⊙	Manhole
⊙	Sanitary Sewer Line
⊙	Fence Line
⊙	Flow Direction Indicator
⊙	Property or Right-of-Way Line (R.O.W.)
⊙	Easement Line
⊙	Traffic Pull Box
⊙	Wood Arch Pole Foundation (Type A or B)
⊙	Concrete Pole Foundation (Type C)
⊙	Signal Illumination Pole Foundation (Type D)
⊙	Top of Cut
⊙	Flow Line

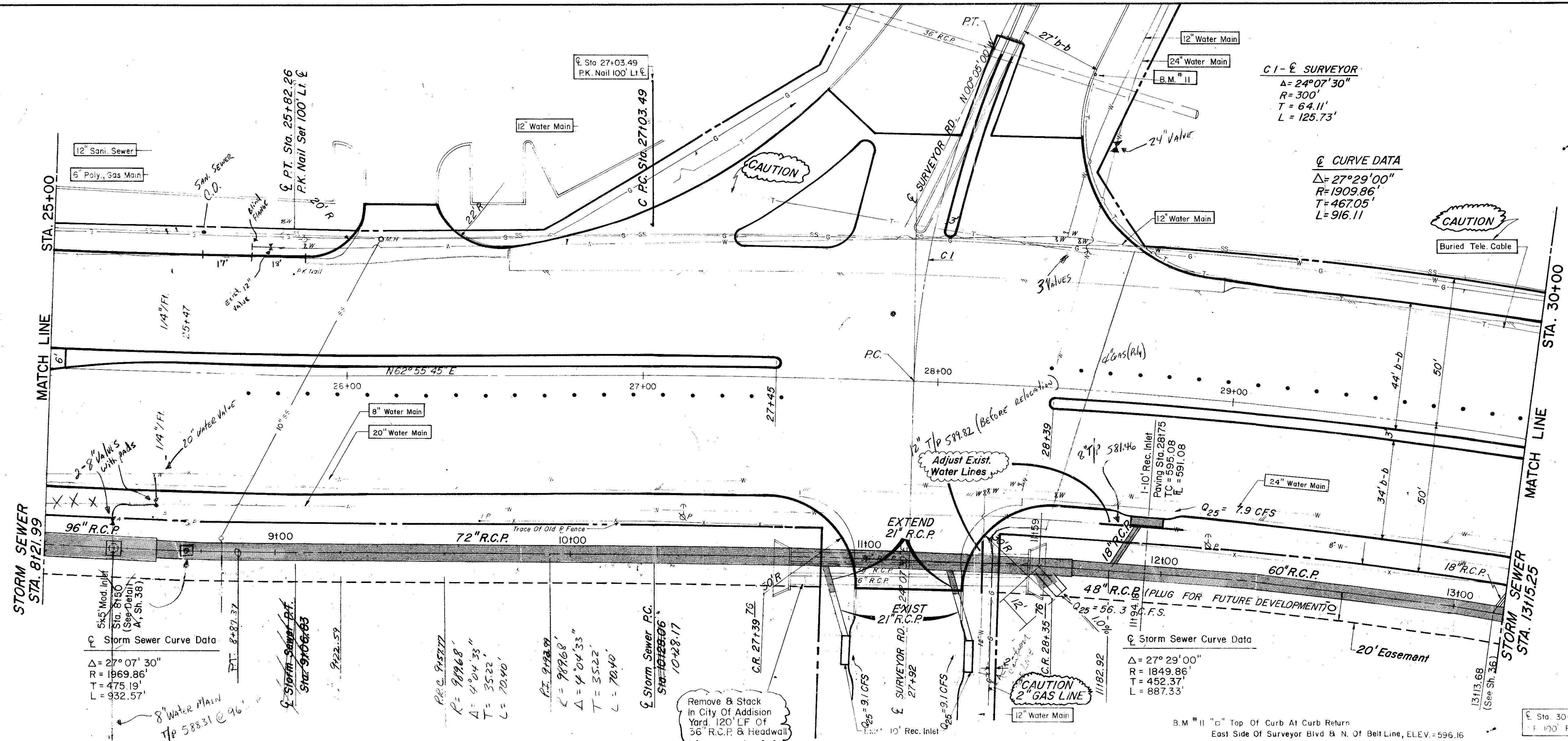


NO.		ADDED	REVISIONS	DATE
1		Added	Laterals	6-18-80

**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**DRAINAGE STA. 20+00 - 25+00**  
**BELT LINE ROAD**  
**MARSH LN. TO NORTH DALLAS PKWY.**  
**GINN, INC., CONSULTING ENGINEERS**

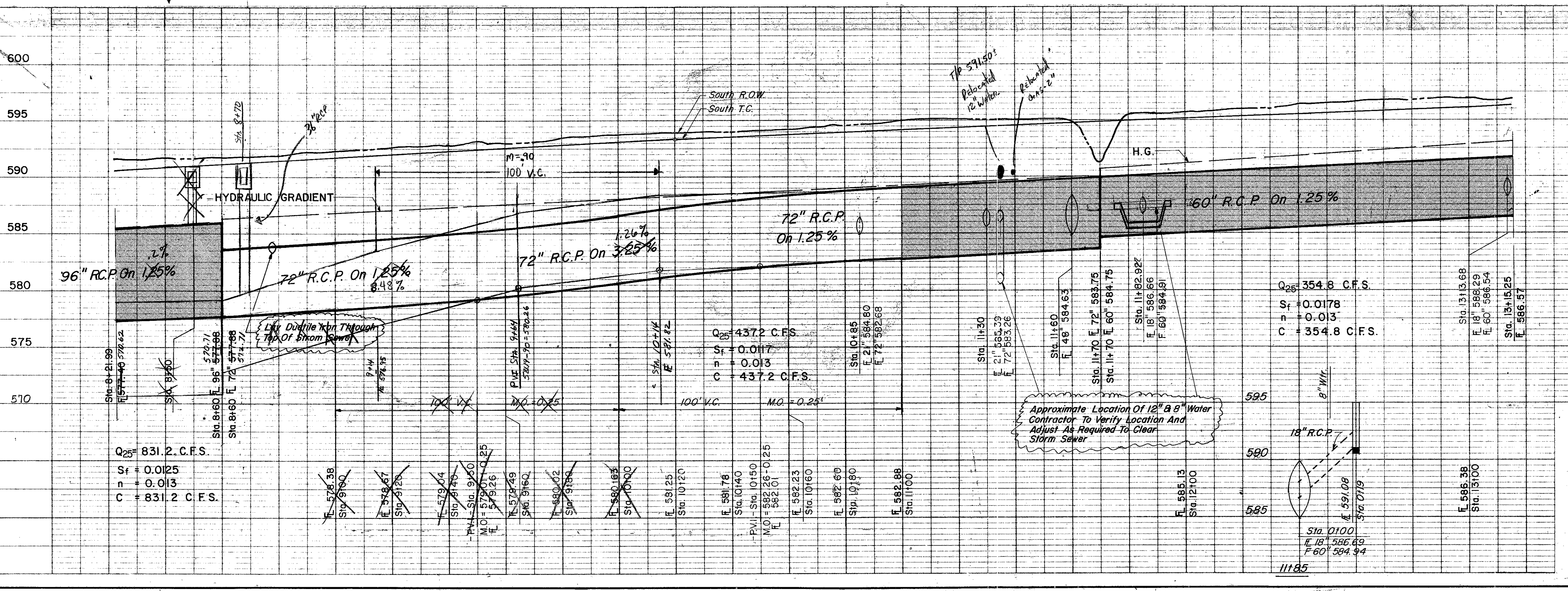
DESIGNED - J.C.H. ORAZIM - S.M. DATE - MAY - 1980 FILE  
 APPROVED - HWG. CHECKED - B.H. SCALE - H=1"=20'/V=1"=5' SHEET 34 OF





ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
472	Rip Pav (Conc)	SY	25.0
473.1	18" RCP CI III	LF	20.0
473.2	21" RCP CI III	LF	20.0
485.7	48" RCP CI III	LF	42.0
489.0	60" RCP CI III	LF	145.0
489.1	66" RCP CI III	LF	24.0
489.2	72" RCP CI III	LF	310.0
489.3	96" RCP CI III	LF	23.0
470.3	10" Rec. Inlet-comp. in pl.	EA	1.0
479.4	Adjust 8" Water Main	LF	27.0
479.5	8" Baffle Iron Through	EA	15.0
	Storm Sewer		
470.7	Mod. 5" Type V Inlet	Eq.	1.0

LEGEND	
□	Blank Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power (atypical Pole Symbol)
○	Telephone Line
○	Power Line
○	Ray Wire Anchor
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Face Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (ROW)
○	Easement Line
○	Traffic Post Box
○	Mark Arm Pole Foundation (Type A or B)
○	Mark Arm Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top Of Curb
○	Flow Line



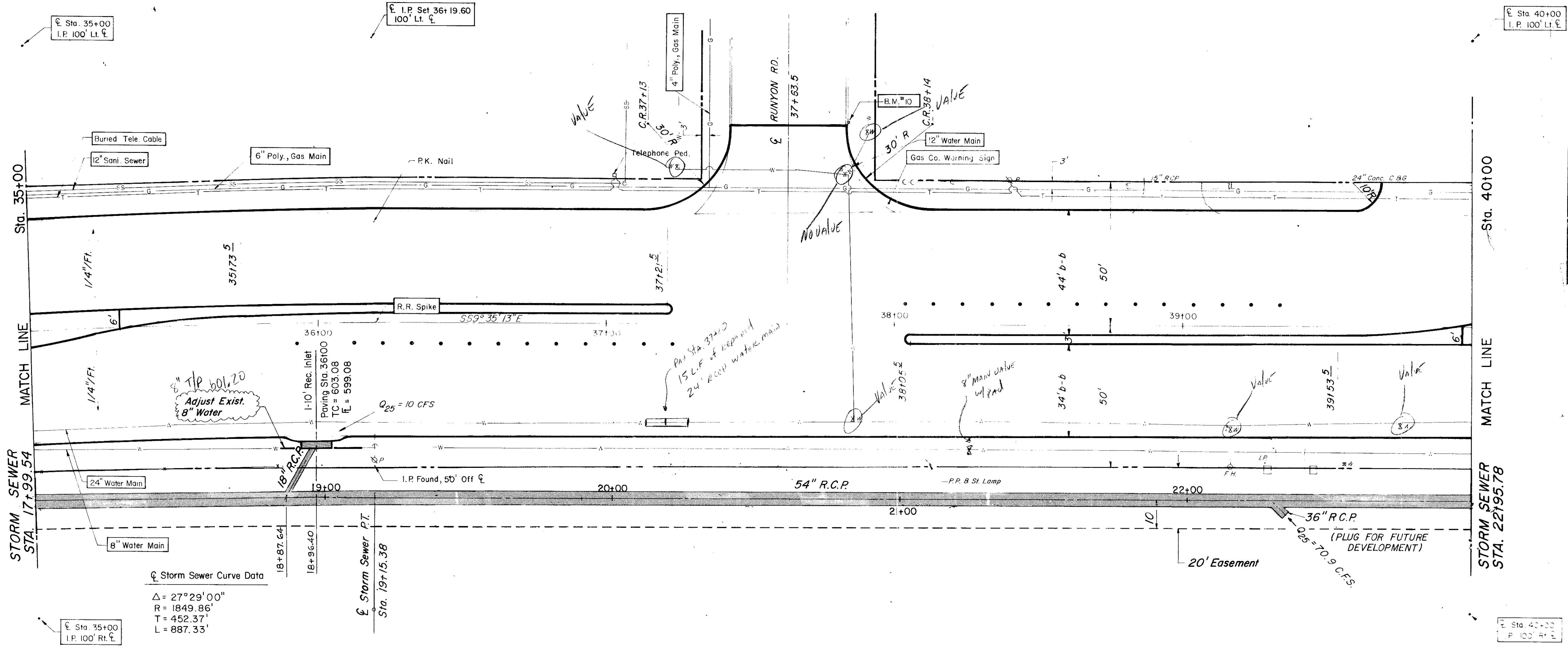
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 DRAINAGE STA. 25+00-30+00  
**BELT LINE ROAD**  
 MARSH LN. TO NORTH DALLAS PKWY.  
 GINN, INC. CONSULTING ENGINEERS

DESIGNED - J.C.H. DRAWN - S.M. DATE - MAY 1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20' V=1"=5' SHEET 35 OF







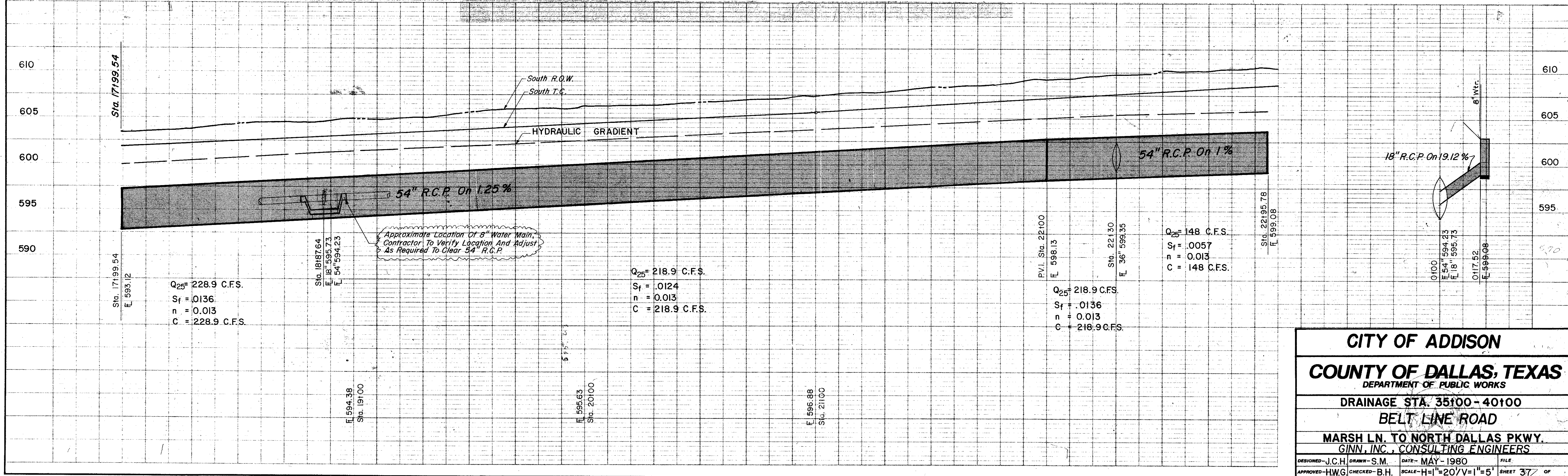


Storm Sewer Curve Data  
 $\Delta = 27^\circ 29' 00''$   
 $R = 1849.86'$   
 $T = 452.37'$   
 $L = 887.33'$

ITEM	DESCRIPTION	UNIT	QUANTITY
475.1	18" R.C.P. (1) 11'	LF	20.0
475.2	36" R.C.P. (1) 11'	LF	20.0
475.3	54" R.C.P. (1) 11'	LF	20.0
475.4	10" Rec. Inlet (1) 11'	EA	1.0
475.5	12" Water Main (1) 11'	LF	20.0
475.6	8" Water Main (1) 11'	LF	20.0
475.7	6" Gas Main (1) 11'	LF	20.0
475.8	14" Sani Sewer (1) 11'	LF	20.0
475.9	1" Poly. Gas Main (1) 11'	LF	20.0
475.10	1" Poly. Gas Main (1) 11'	LF	20.0
475.11	1" Poly. Gas Main (1) 11'	LF	20.0
475.12	1" Poly. Gas Main (1) 11'	LF	20.0
475.13	1" Poly. Gas Main (1) 11'	LF	20.0
475.14	1" Poly. Gas Main (1) 11'	LF	20.0
475.15	1" Poly. Gas Main (1) 11'	LF	20.0
475.16	1" Poly. Gas Main (1) 11'	LF	20.0
475.17	1" Poly. Gas Main (1) 11'	LF	20.0
475.18	1" Poly. Gas Main (1) 11'	LF	20.0
475.19	1" Poly. Gas Main (1) 11'	LF	20.0
475.20	1" Poly. Gas Main (1) 11'	LF	20.0

- LEGEND**
- Bench Mark
  - Top Pin
  - Monument
  - Gas Meter
  - Gas Valve
  - Gas Line
  - Power Pole (Typical Pole Symbol)
  - Power Pole
  - Telephone Line
  - Water Meter
  - Water Valve
  - Water Line
  - Fire Hydrant
  - Manhole
  - Sanitary Sewer Line
  - Face Line
  - Flow Direction Indicator
  - Property or Right-of-Way Line (ROW)
  - Easement Line
  - Traffic Pole Size
  - Mark Arm Pole Foundation (Type A or B)
  - Pedestal Pole Foundation (Type C)
  - Signal Illumination Pole Foundation (Type D)
  - Top Of Curb
  - Flow Line

B.M. # 10 "d" Top Of Curb At Curb Return East Side Of Runyon Rd At North Of Belt Line, Elev. = 626.20



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

**DRAINAGE STA. 35100 - 40100**  
**BELT LINE ROAD**

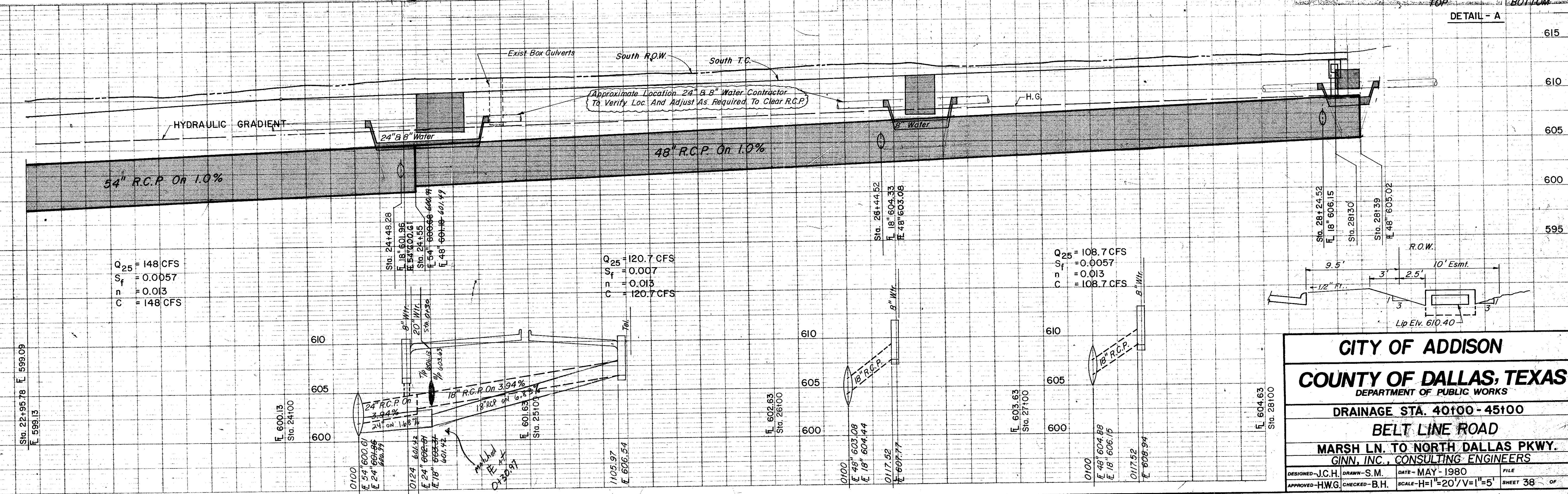
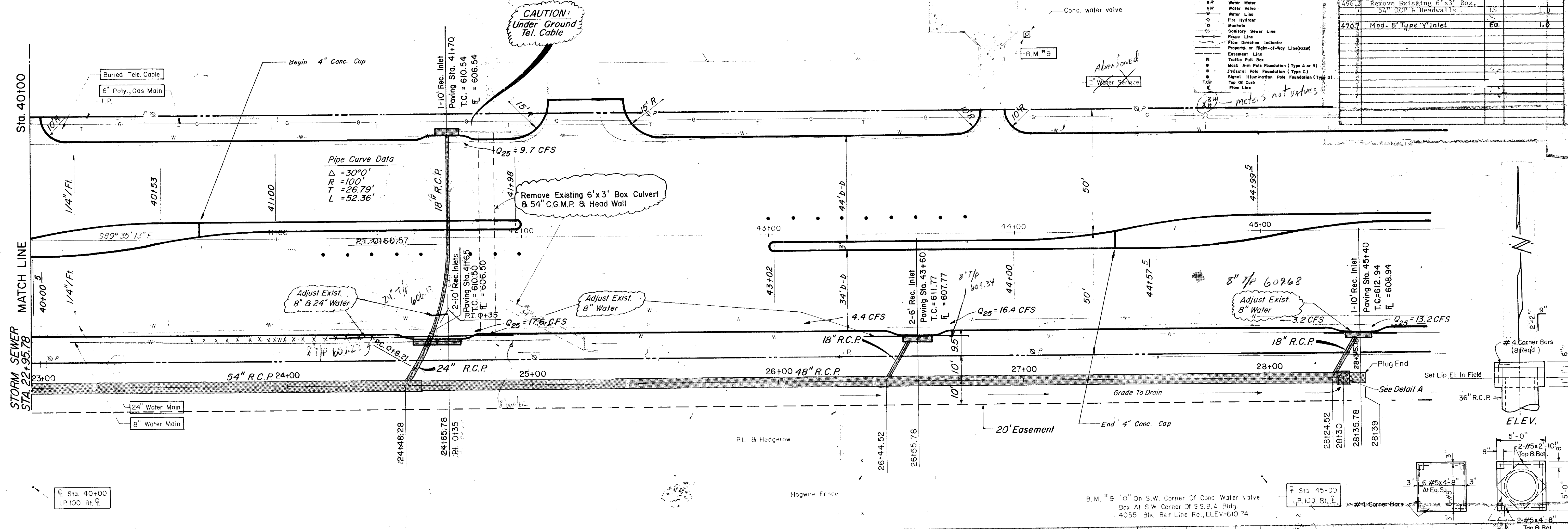
**MARSH LN. TO NORTH DALLAS PKWY.**  
**GINN, INC., CONSULTING ENGINEERS**

DESIGNED - J.C.H. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20' V=1"=5' SHEET 37 OF



ITEM	DESCRIPTION	UNIT	QUANTITY
415.0	4" RCP (1000)	LF	12.0
465.1	24" RCP, CI III	LF	170.0
465.2	48" RCP, CI III	LF	385.0
465.3	54" RCP, CI III	LF	159.0
470.1	6" Rec. Inlet-compl. in pl.	EA	2.0
470.2	10" Rec. Inlet-compl. in pl.	EA	2.0
477.3	Adjust 24" Water Main	LF	20.0
479.4	Adjust 8" Water Main	LF	105.0
496.2	Remove Existing 6' x 3' Box, 54" RCP & Headwall	LS	1.0
470.7	Mod. 5' Type V Inlet	EA	1.0

- LEGEND**
- Bench Mark
  - Iron Pin
  - Manhole
  - Gas Meter
  - Gas Valve
  - Gas Line
  - Power Pole (Typical Pole Symbol)
  - Power Line
  - Guy Wire Anchor
  - Telephone Line
  - Water Meter
  - Water Valve
  - Water Line
  - Fire Hydrant
  - Manhole
  - Sanitary Sewer Line
  - Fictitious Line
  - Flow Direction Indicator
  - Property or Right-of-Way Line (ROW)
  - Easement Line
  - Traffic Pull Box
  - Mark Arm Pole Foundation (Type A or B)
  - Pedestal Pole Foundation (Type C)
  - Signal Illumination Pole Foundation (Type D)
  - Top Of Cut
  - Flow Line
- 8' - meters not values



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**DRAINAGE STA. 40+00 - 45+100**  
**BELT LINE ROAD**  
 MARSH LN. TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - J.C.H. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20'/V=1"=5' SHEET 38 OF





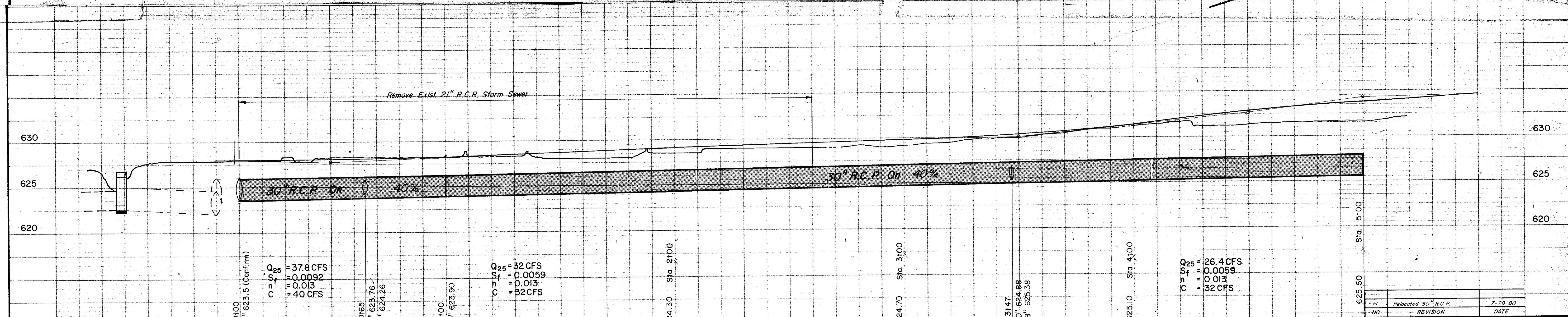
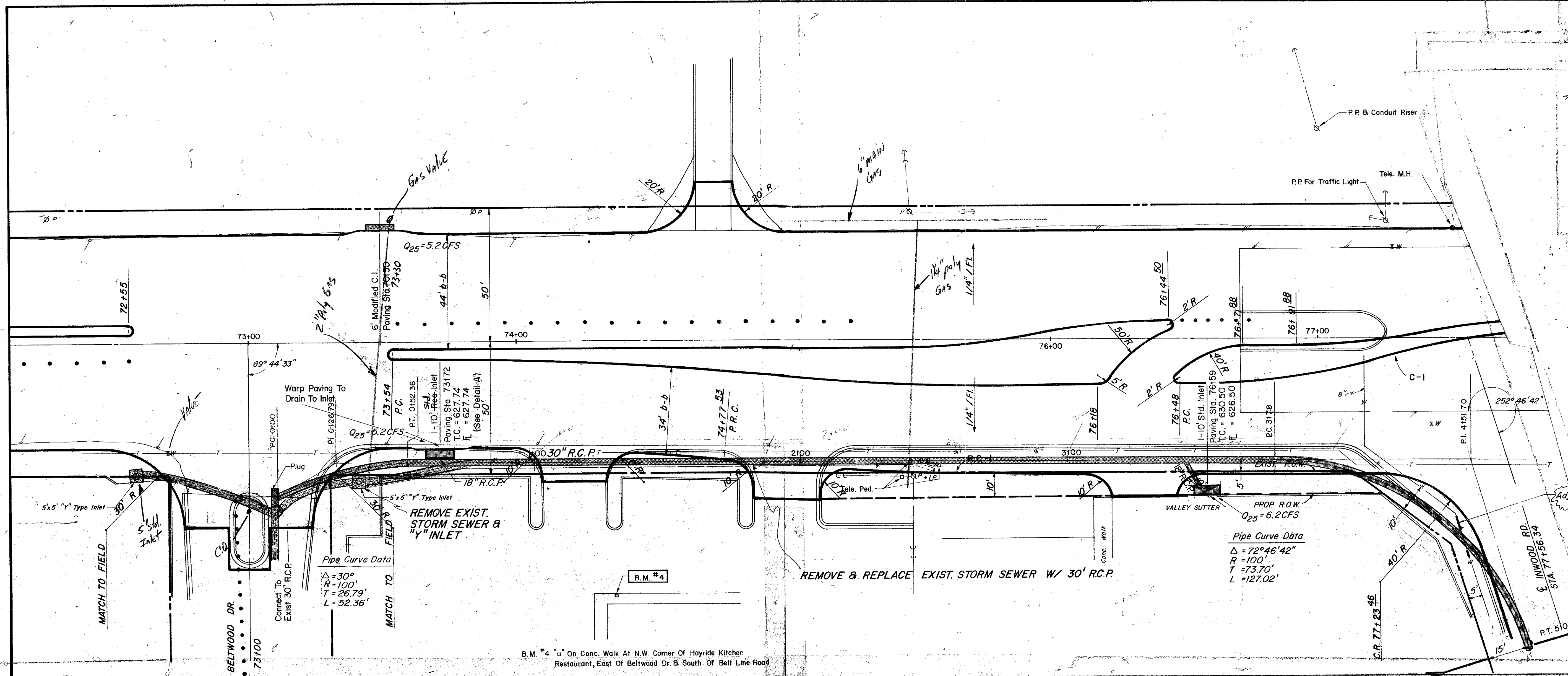






ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
465.2	18" RCP, CI TIT	LF	115.0
470.2	30" RCP, CI TIT	LF	500.0
470.2	10' Rec. Inter-comp. In pl.	EA	1.0
470.4	10' Standard C.I.	EA	1.0
479.3	Adjust 8" Water Line	LF	15.0

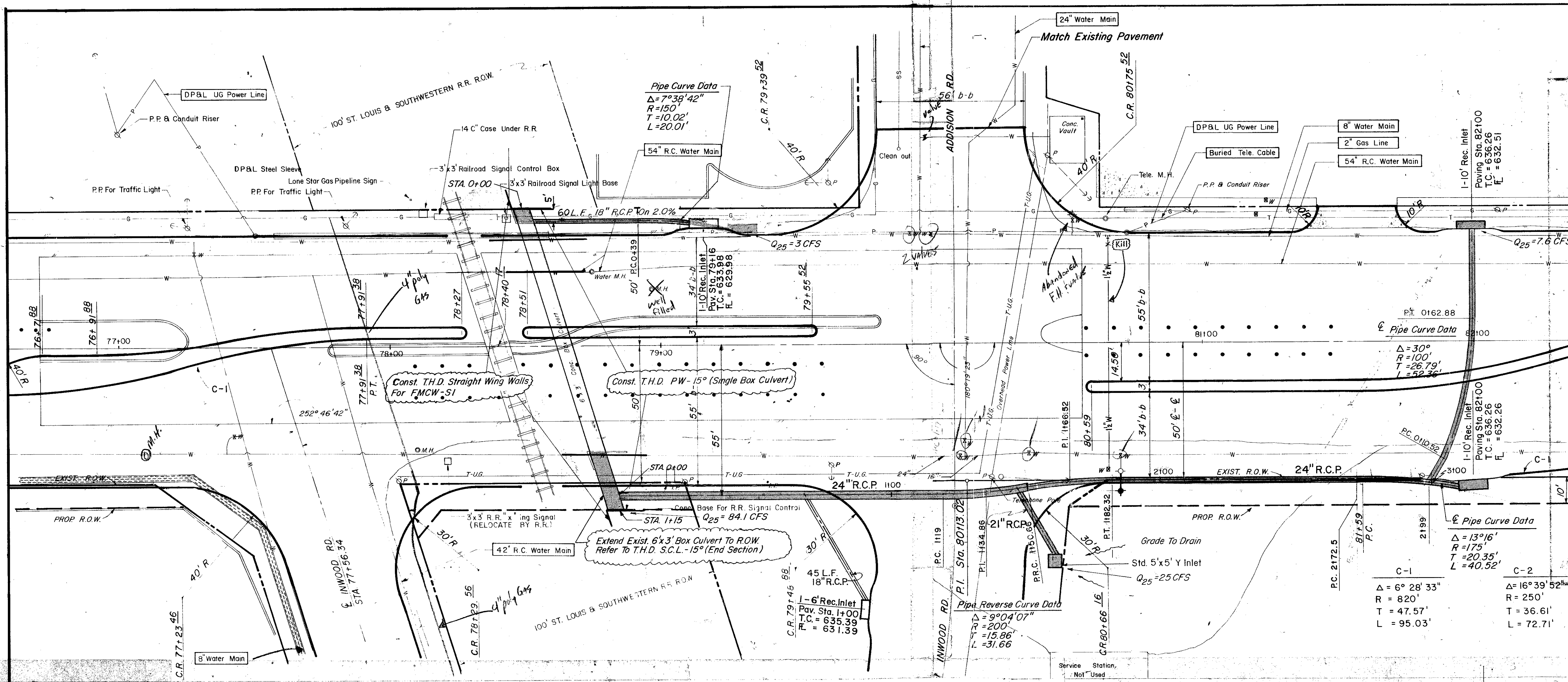
LEGEND	
□	Spot Mark
○	Line Pole
○	Monument
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Guy Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Line
○	Water Valve
○	Fire Hydrant
○	Sanitary Sewer Line
○	Fence Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (R.O.W.)
○	Easement Line
○	Traffic Post Box
○	Max. Arm Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Signal Utilization Pole Foundation (Type D)
○	Top Of Curb
○	Flow Line



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 DRAINAGE STA. 72100 - 78100  
 BELT LINE ROAD  
 MARSH LN. TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - J.C.H.	DRAWN - S.M.	DATE - MAY-1980	FILE
APPROVED - H.W.G.	CHECKED - B.H.	SCALE - H=1"=20'/V=1"=5'	SHEET 4/ OF

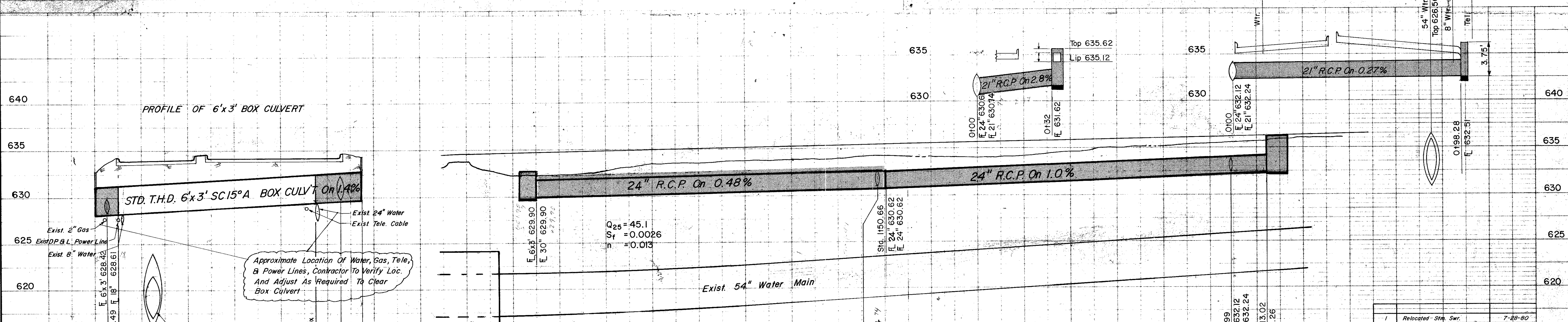




ITEM	DESCRIPTION	UNIT	QUANTITY
421.3	Cl. A Conc. For Manhole	CY	4.76
440.3	Extend 6x3 Box (Conc.)	CY	12.34
440.3	Rein. Steel - Manhole	LBS	479.0
440.4	Rein. Steel - Box Culvert	LBS	2085.0
465.1	18" RCP, CI III	LF	73.0
465.2	21" RCP, CI III	LF	99.0
465.3	24" RCP, CI III	LF	165.0
465.4	30" RCP, CI III	LF	149.0
	Std 5x5' Y Inlet	EA	1.0

LEGEND	
●	Check Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Pole
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	France Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (DASH)
○	Traffic Pole Box
○	Man Arm Pole Foundation (Type A or B)
○	pedestal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Flow Line

Curve	Δ	R	T	L
C-1	6° 28' 33"	820'	47.57'	95.03'
C-2	16° 39' 52"	250'	36.61'	72.71'



Approximate Location Of Water, Gas, Tele, & Power Lines, Contractor To Verify Loc. And Adjust As Required To Clear Box Culvert

**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**DRAINAGE STA. 78100 - 82100**  
**BELT LAKE ROAD**  
**MARSH LN. TO NORTH DALLAS PKWY.**  
**GINN, INC., CONSULTING ENGINEERS**

DESIGNED - J.C.H. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - HWG CHECKED - S.M. SCALE - H=1"=20' V=1"=5' SHEET 42 OF





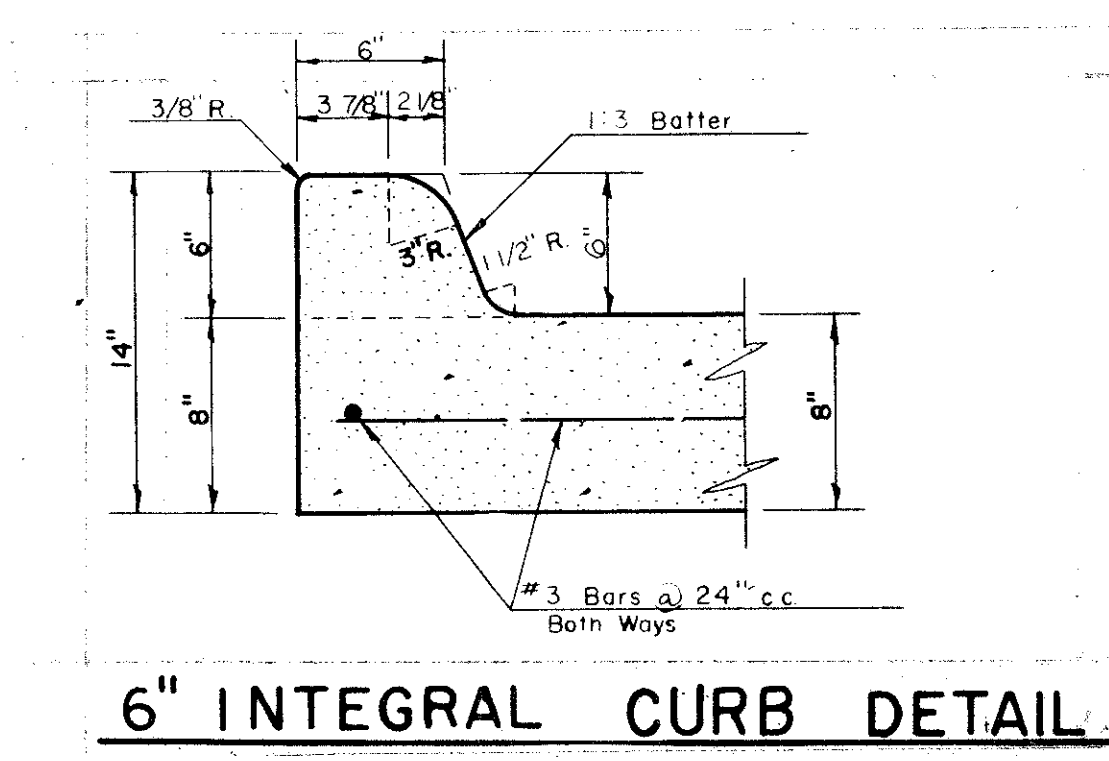
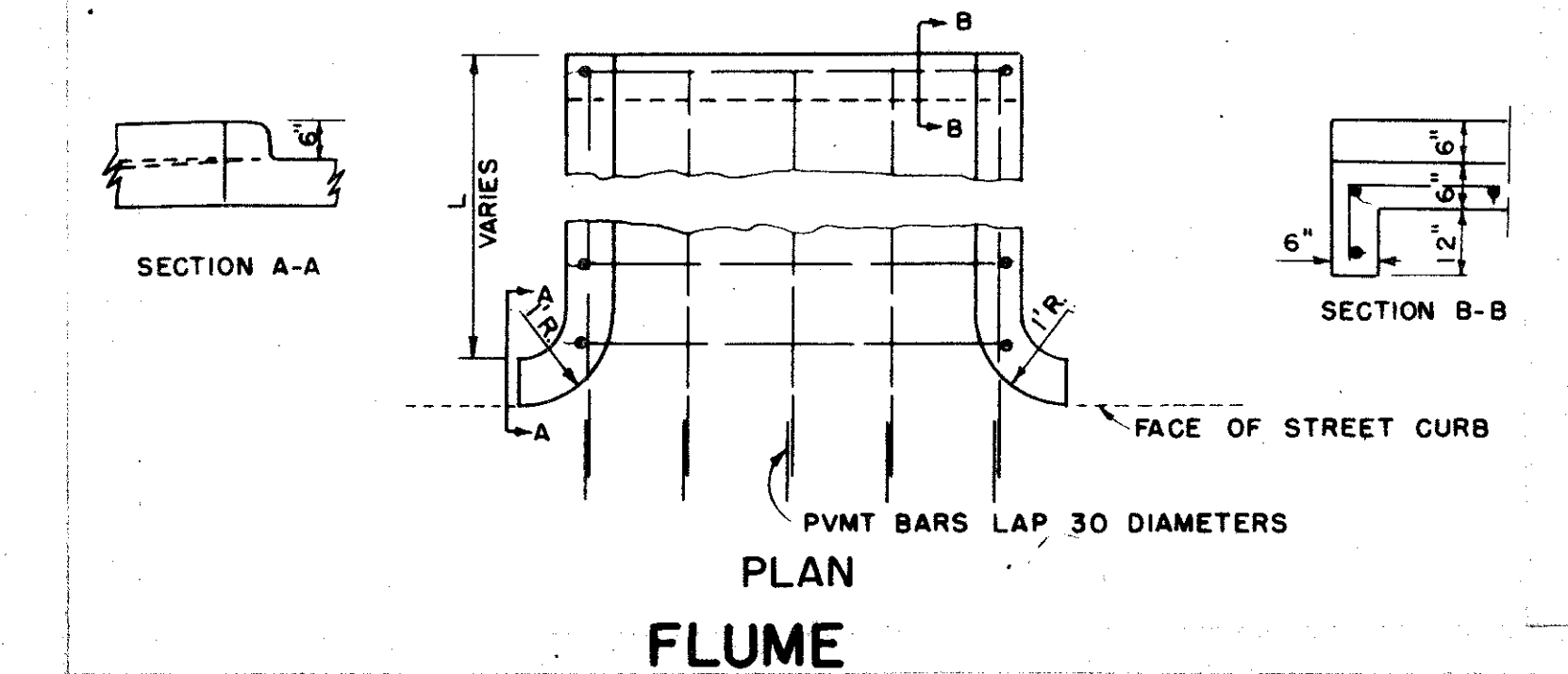
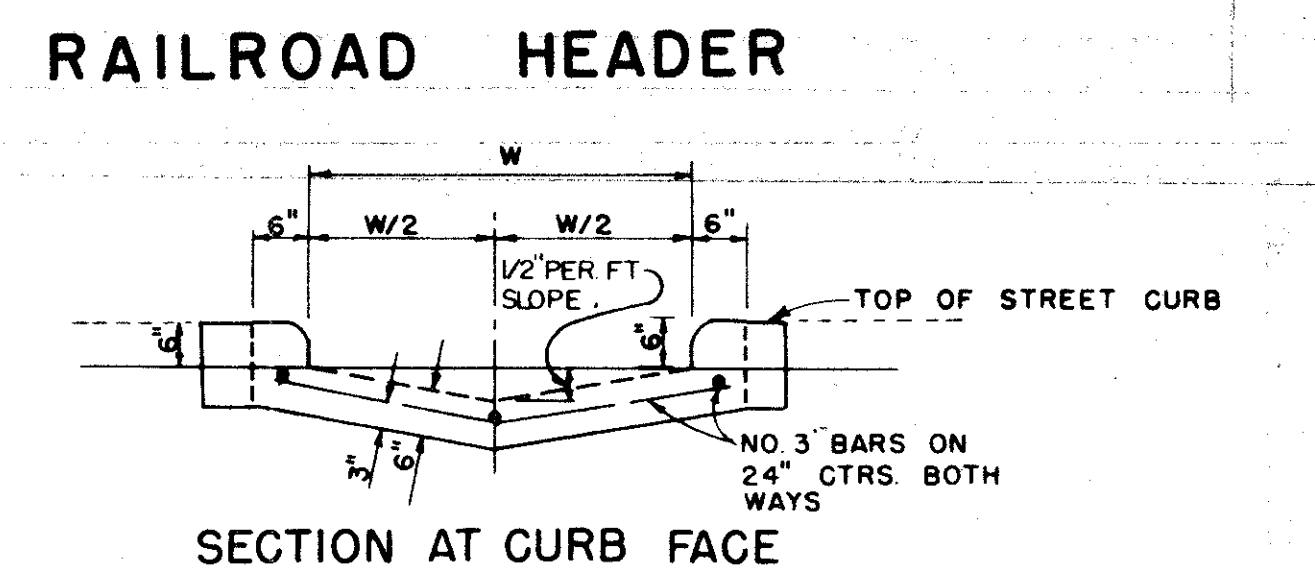
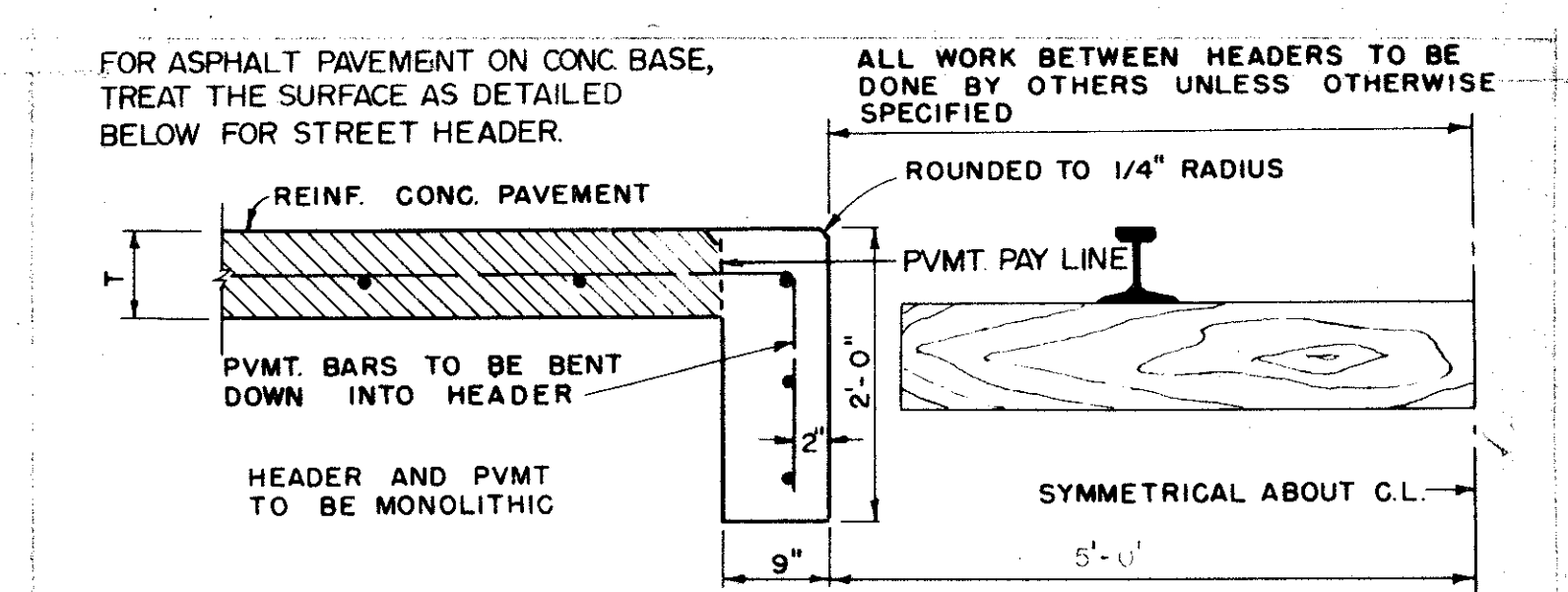
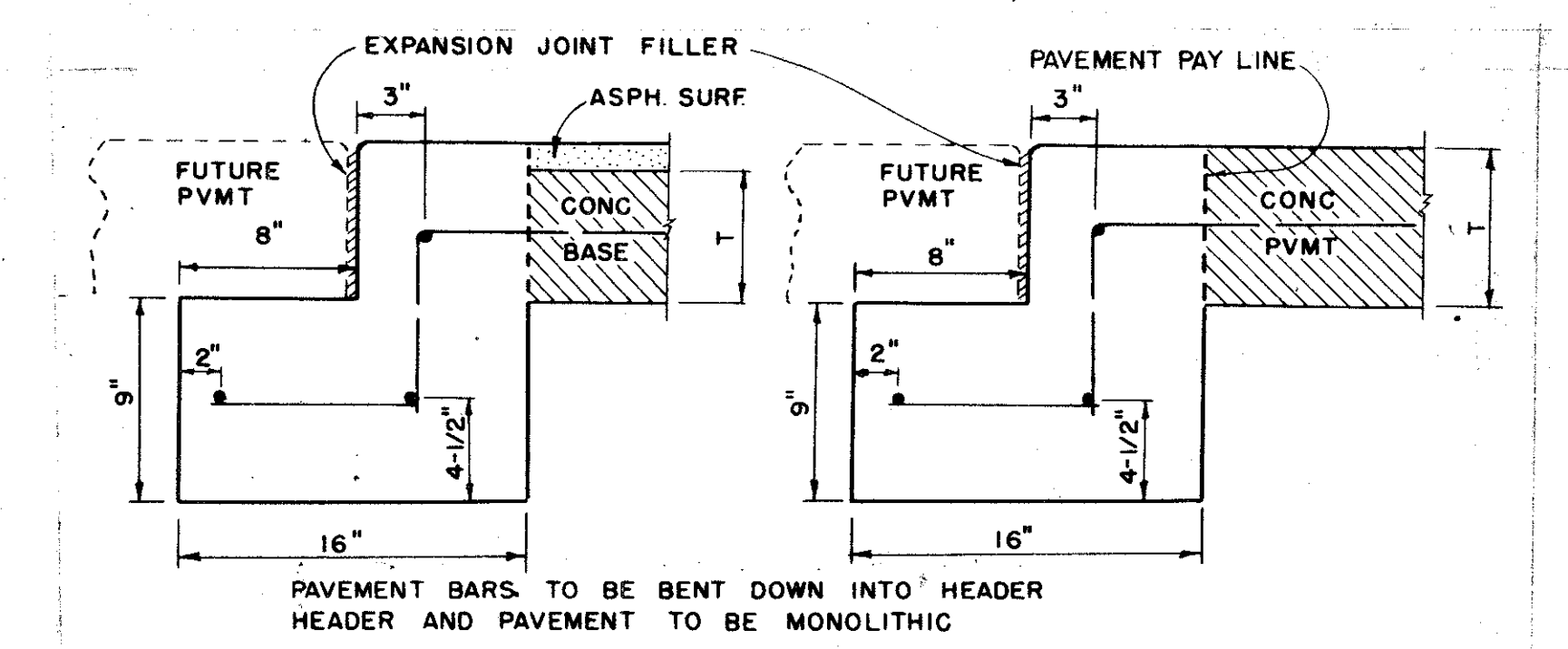
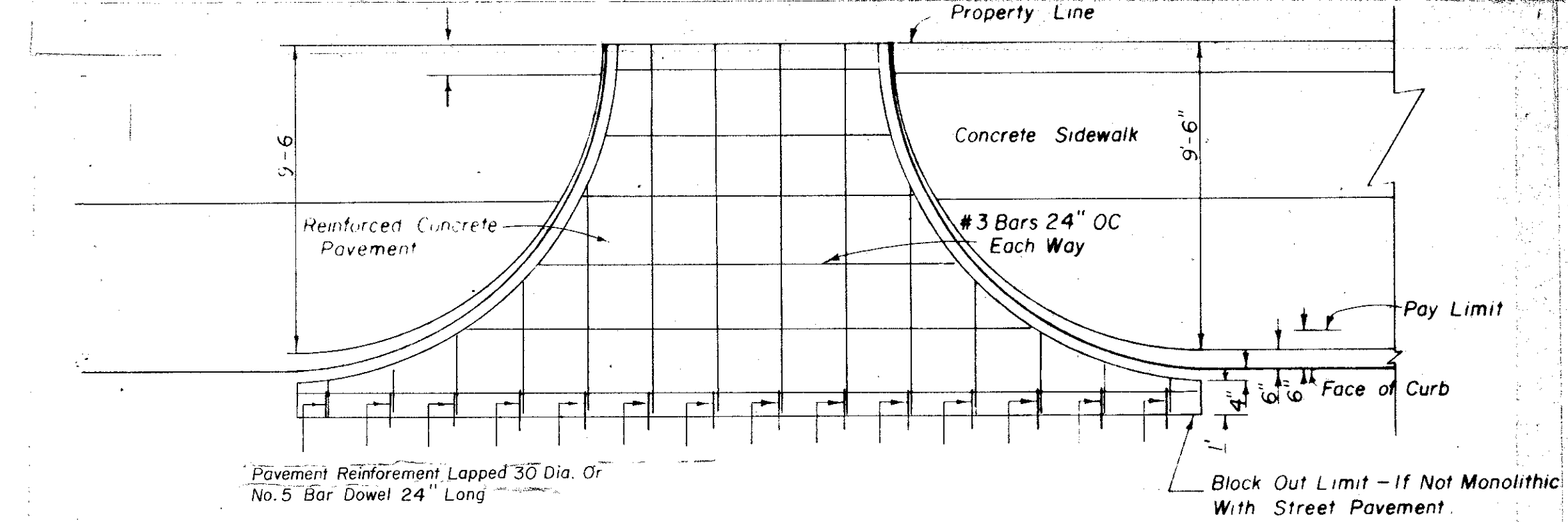
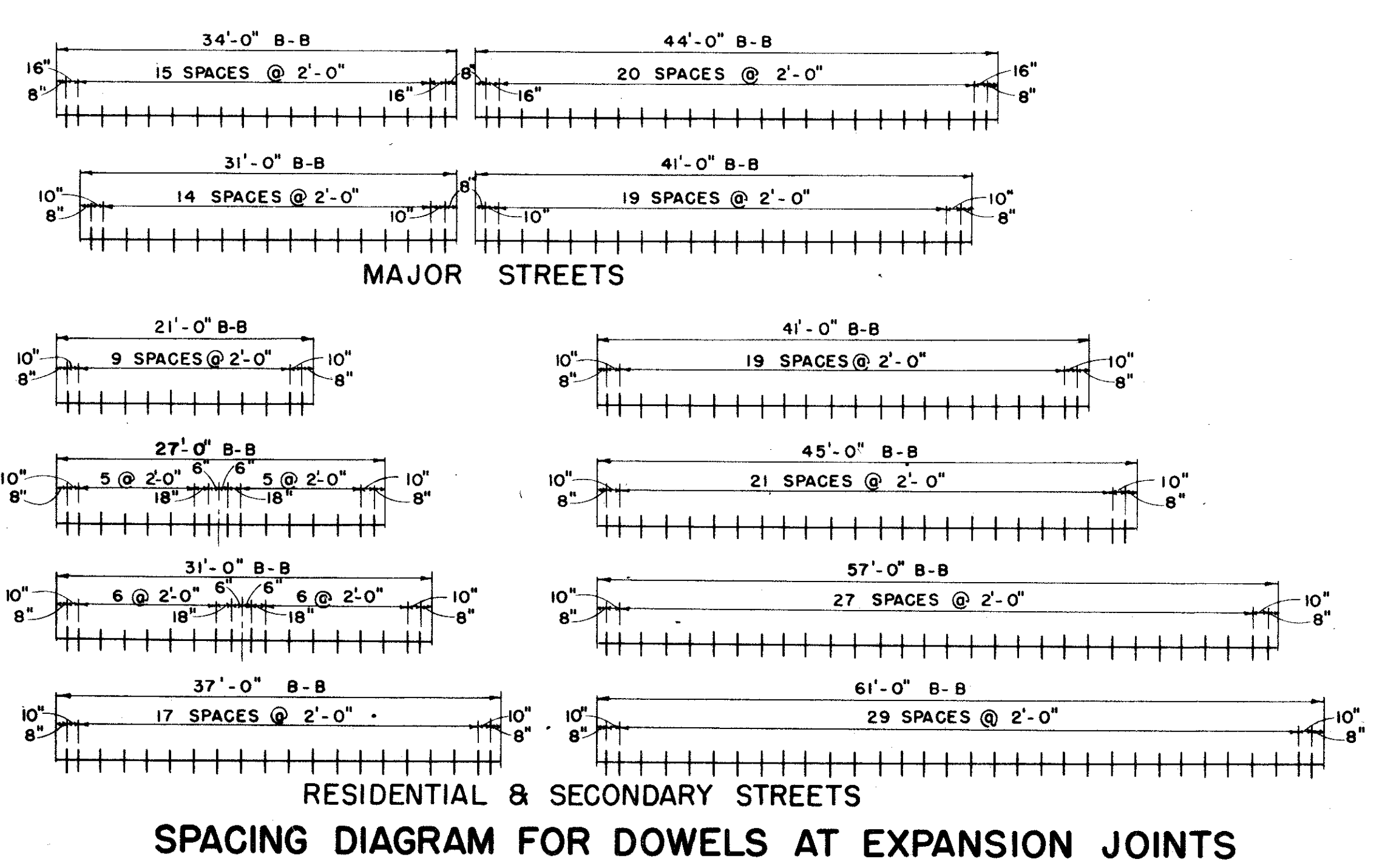
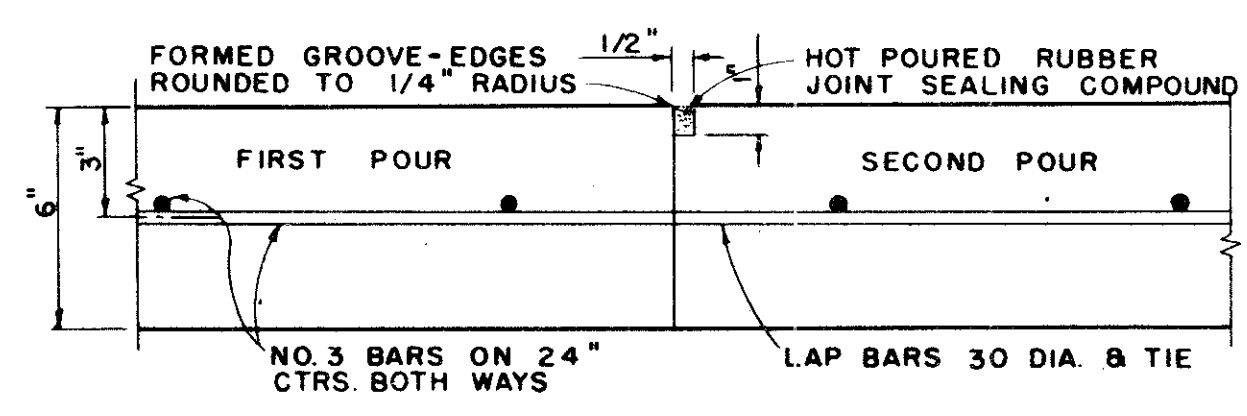
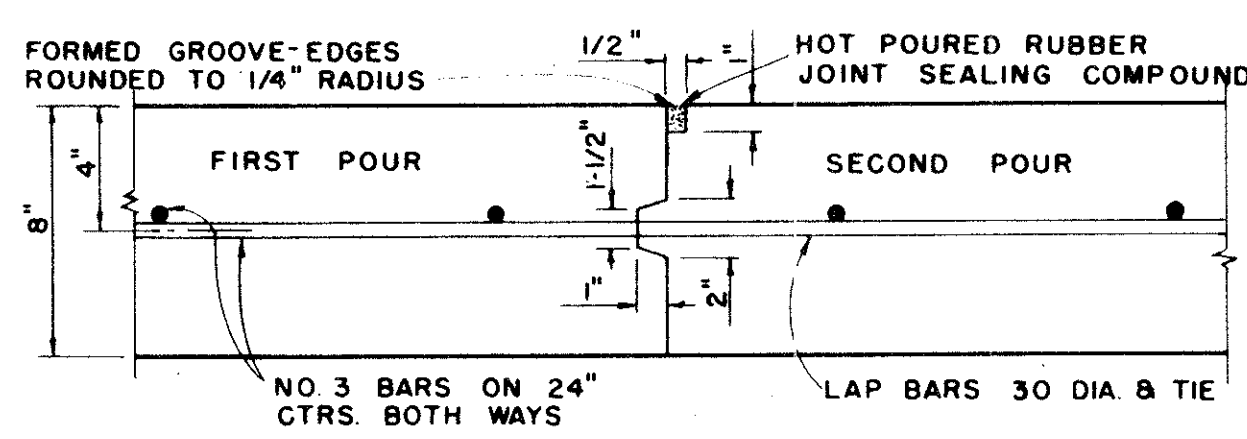
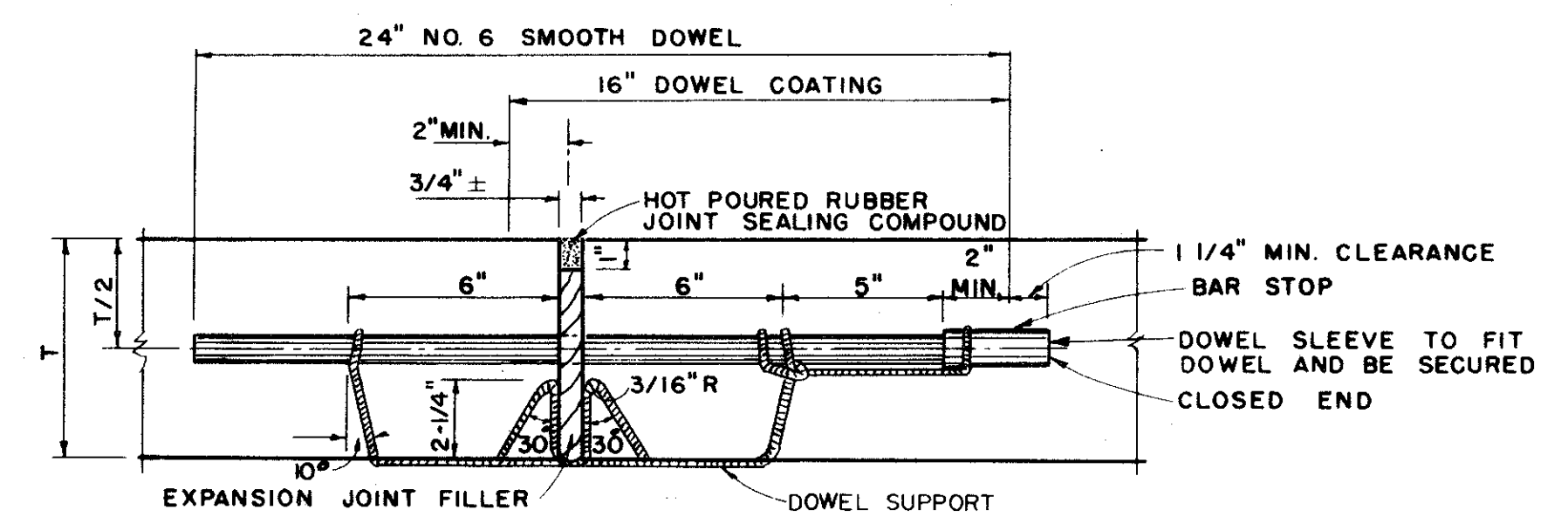
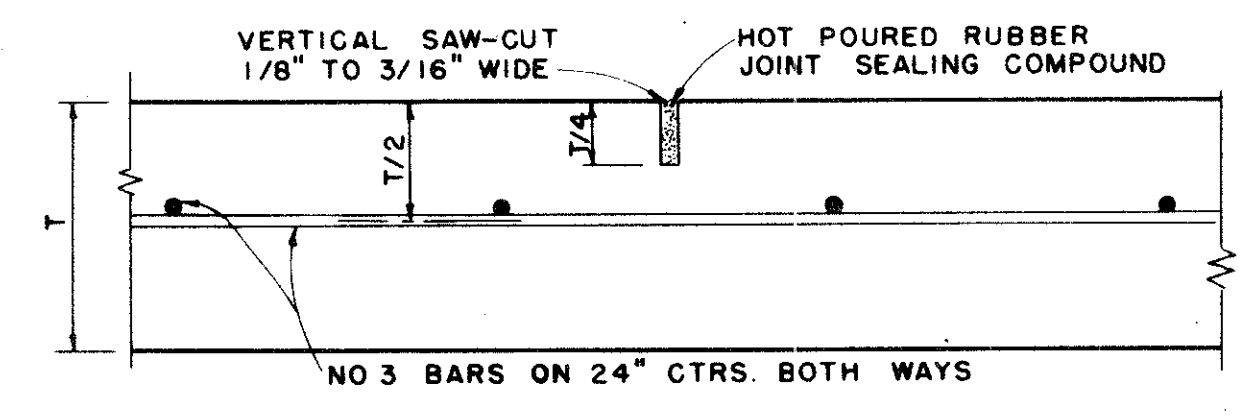
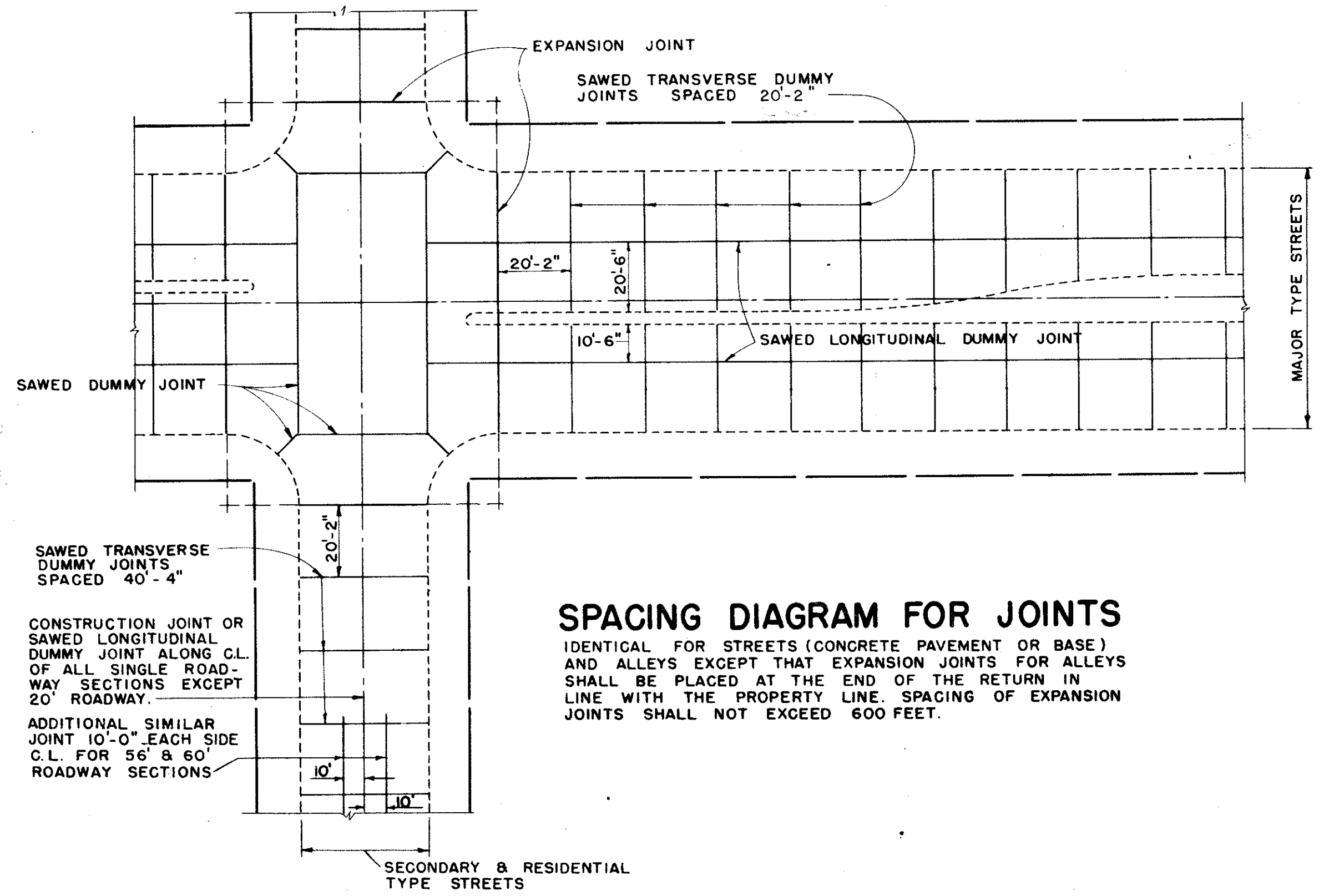












**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

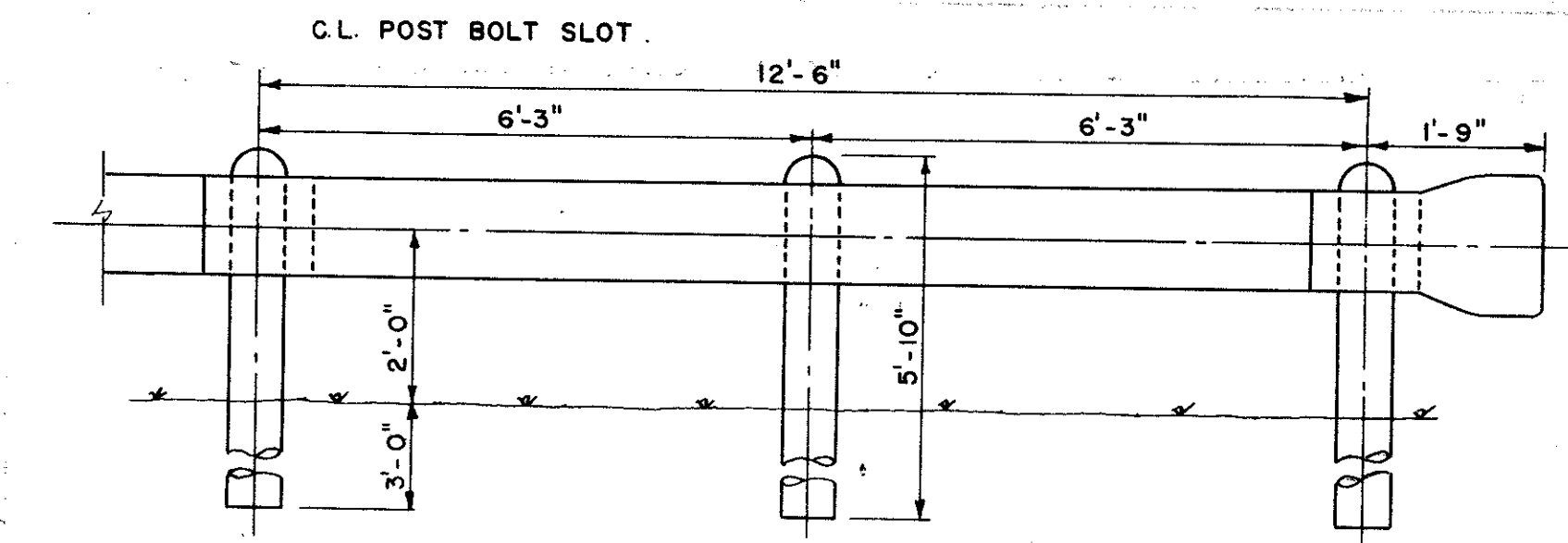
**PAVING DETAILS B**

GINN, INC., CONSULTING ENGINEERS

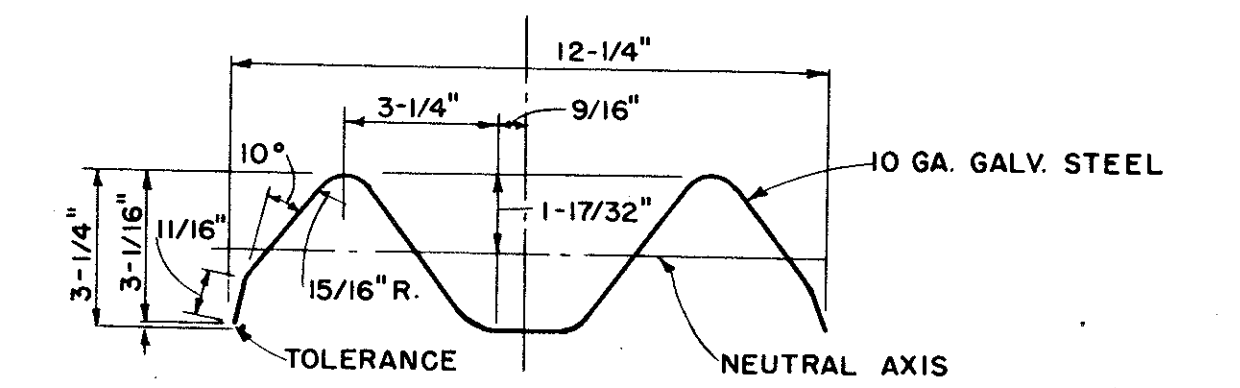
DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1980 FILE

APPROVED - H.W.G. CHECKED - B.H. SCALE - NONE SHEET 46

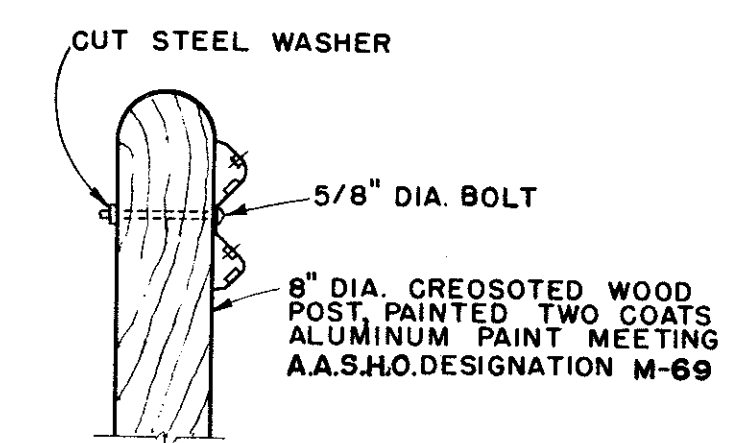




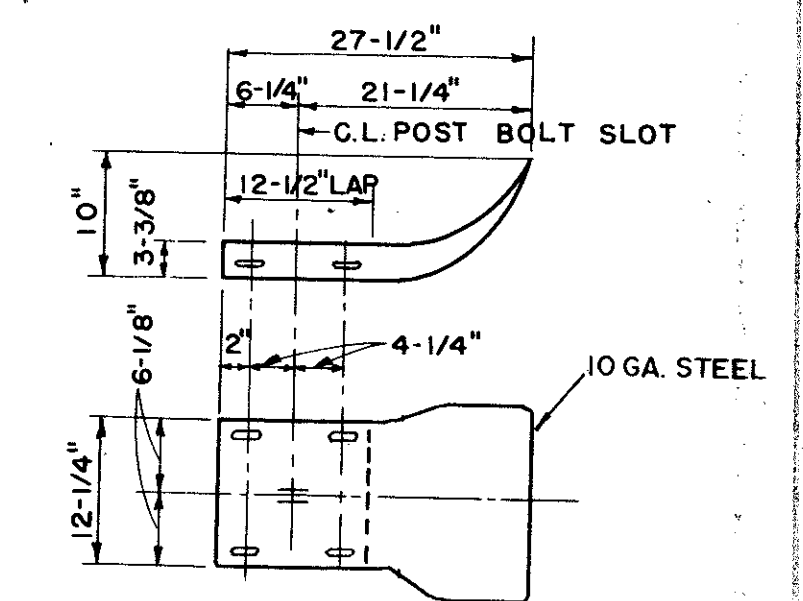
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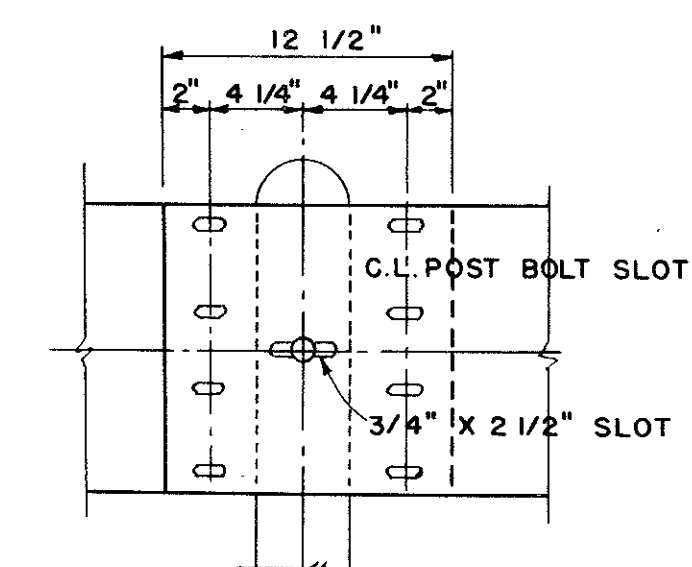
SECTION THROUGH RAIL ELEMENT



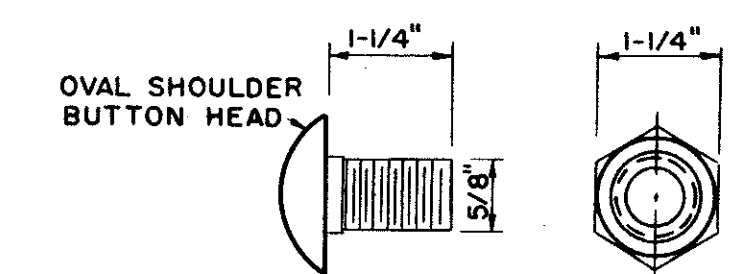
ARRANGEMENT AT POSTS



TERMINAL SECTION



RAIL SPLICE



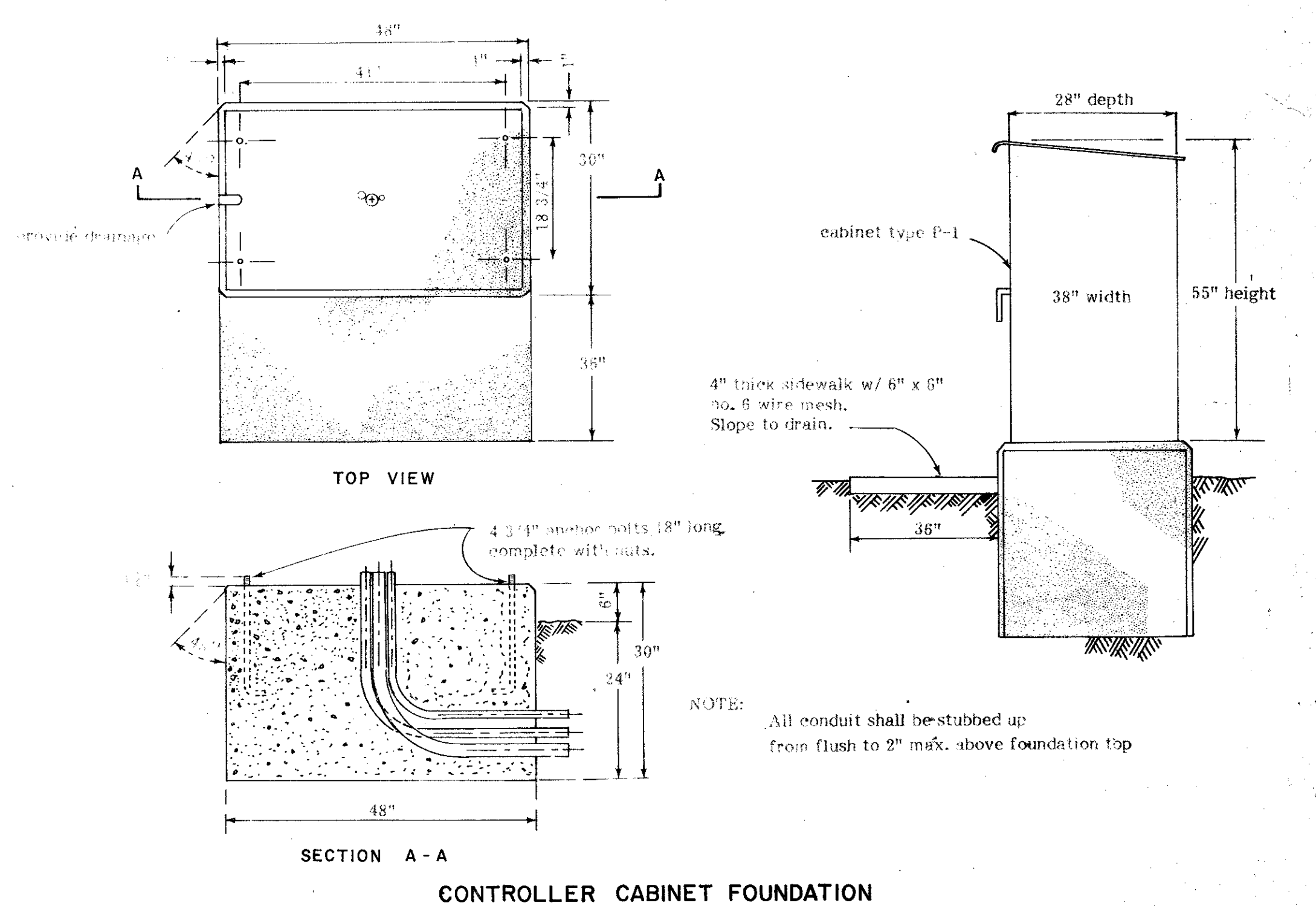
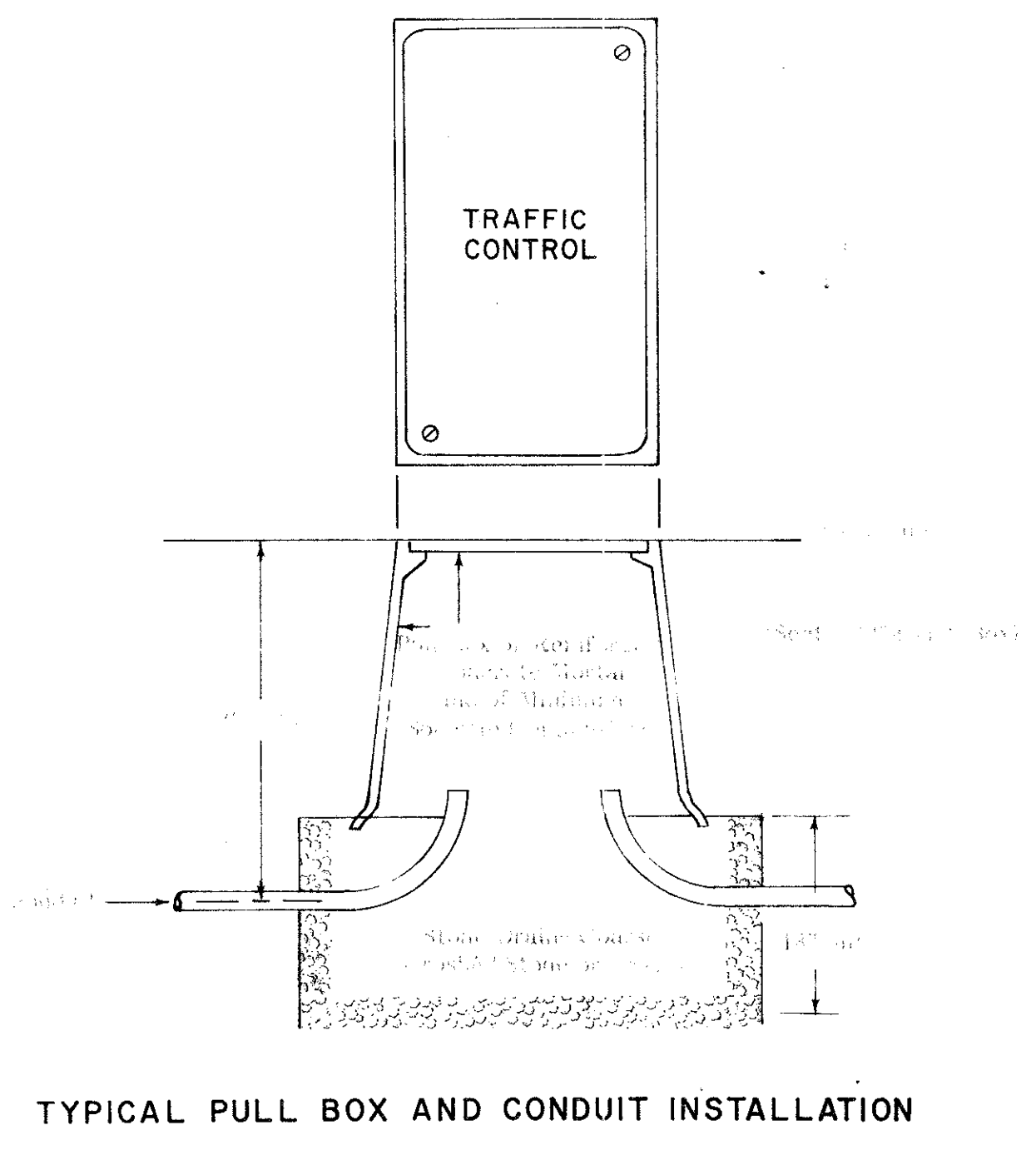
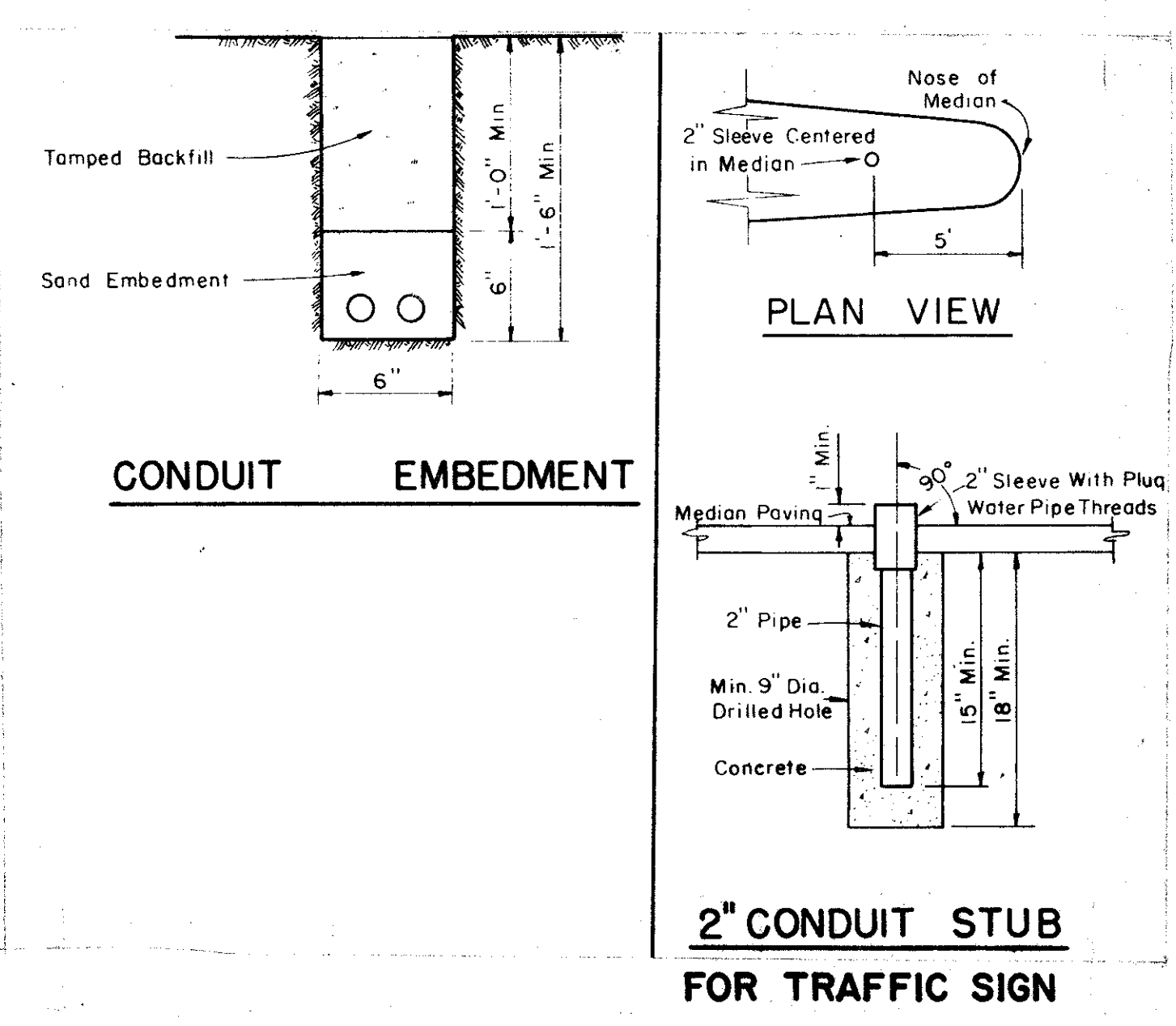
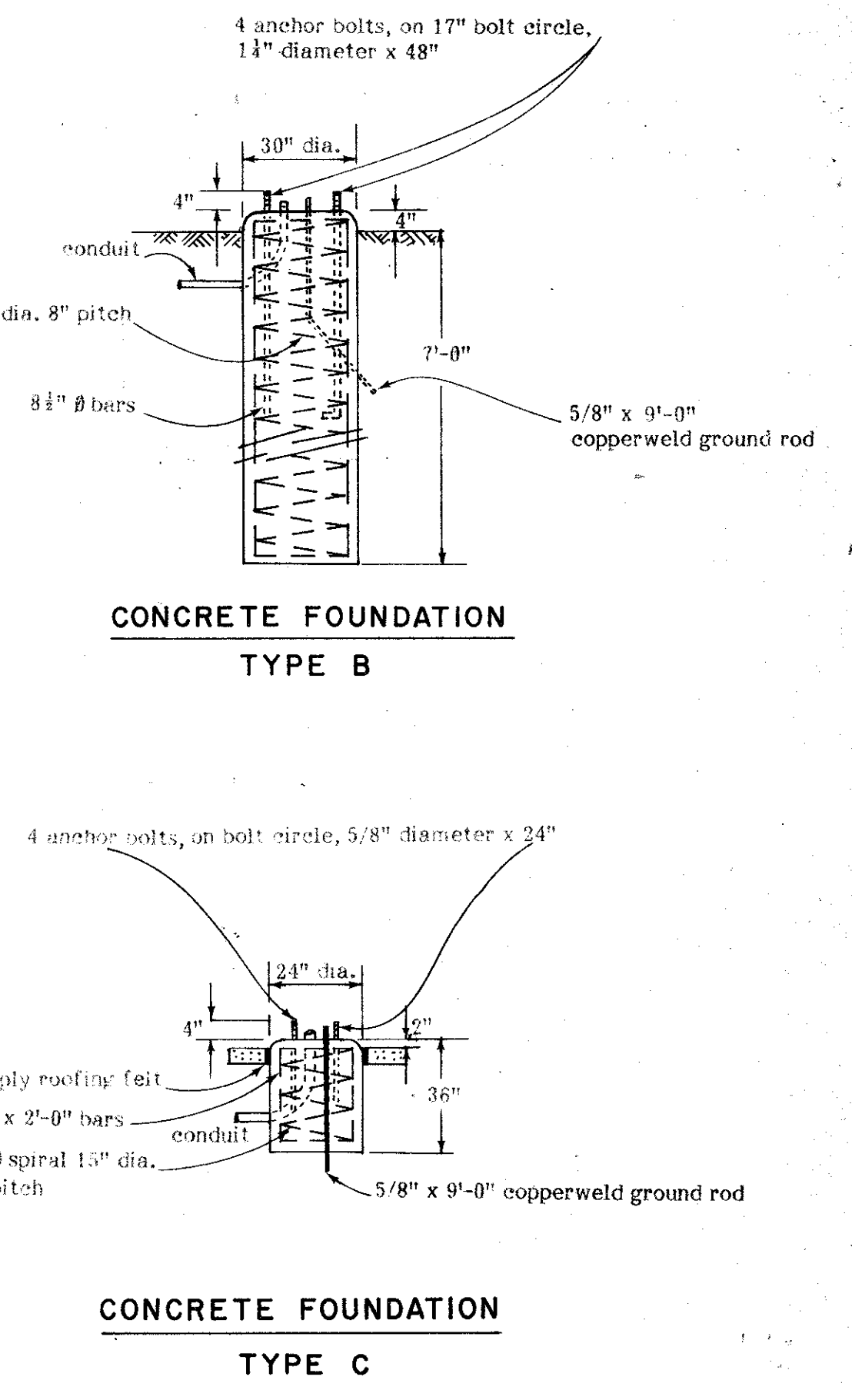
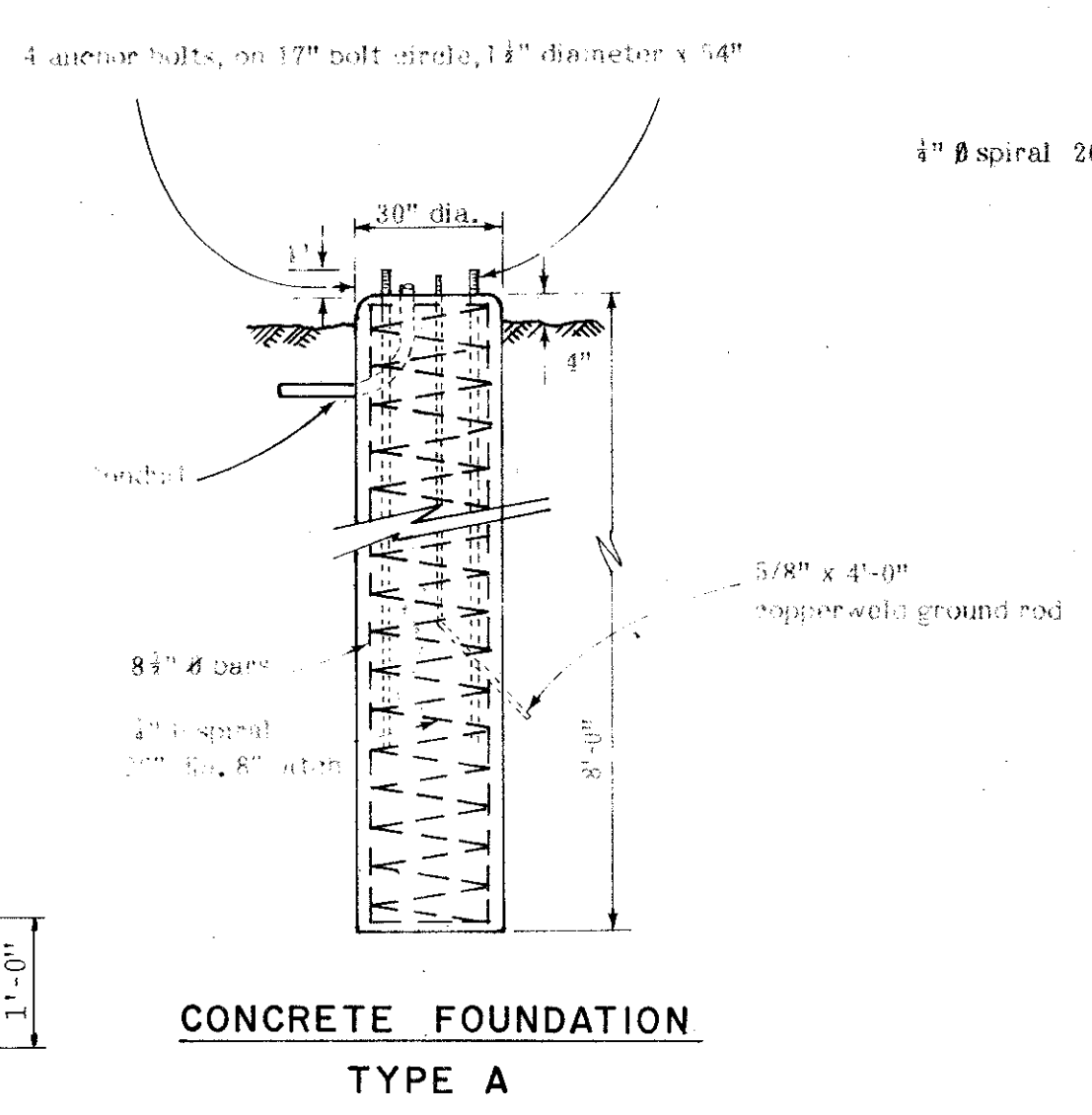
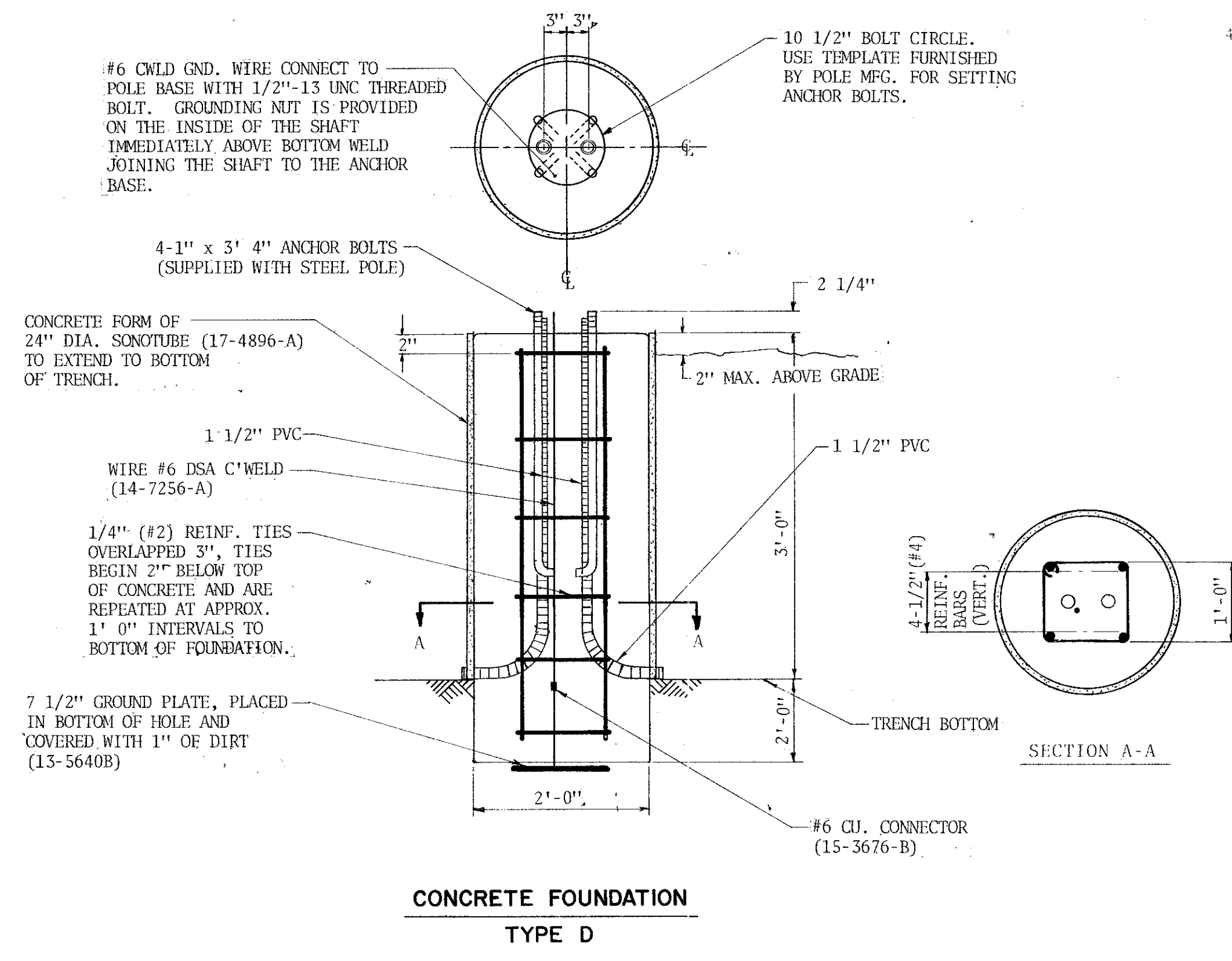
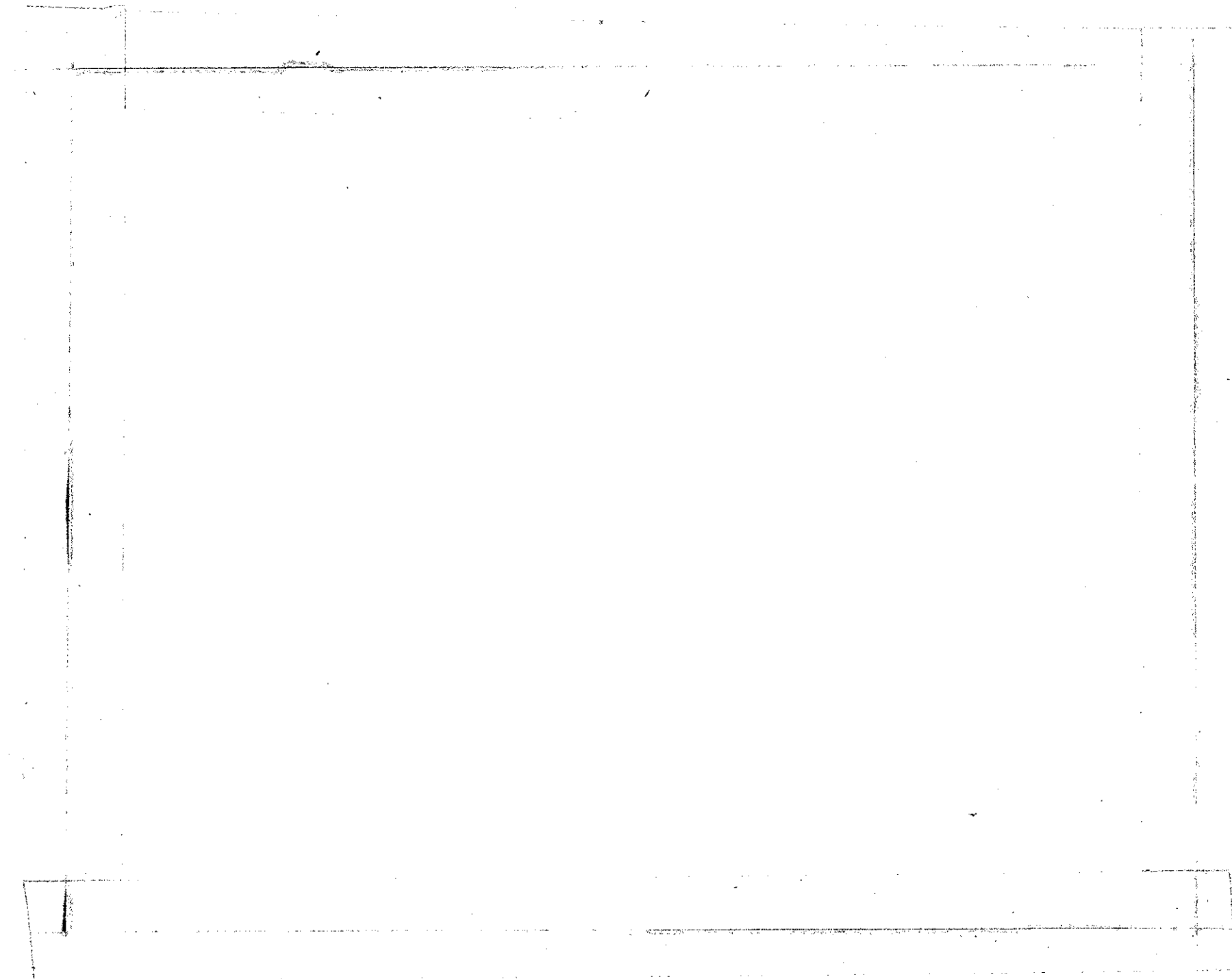
SPLICE BOLT NUT

ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCE

DEEP BEAM HIGHWAY GUARD RAIL

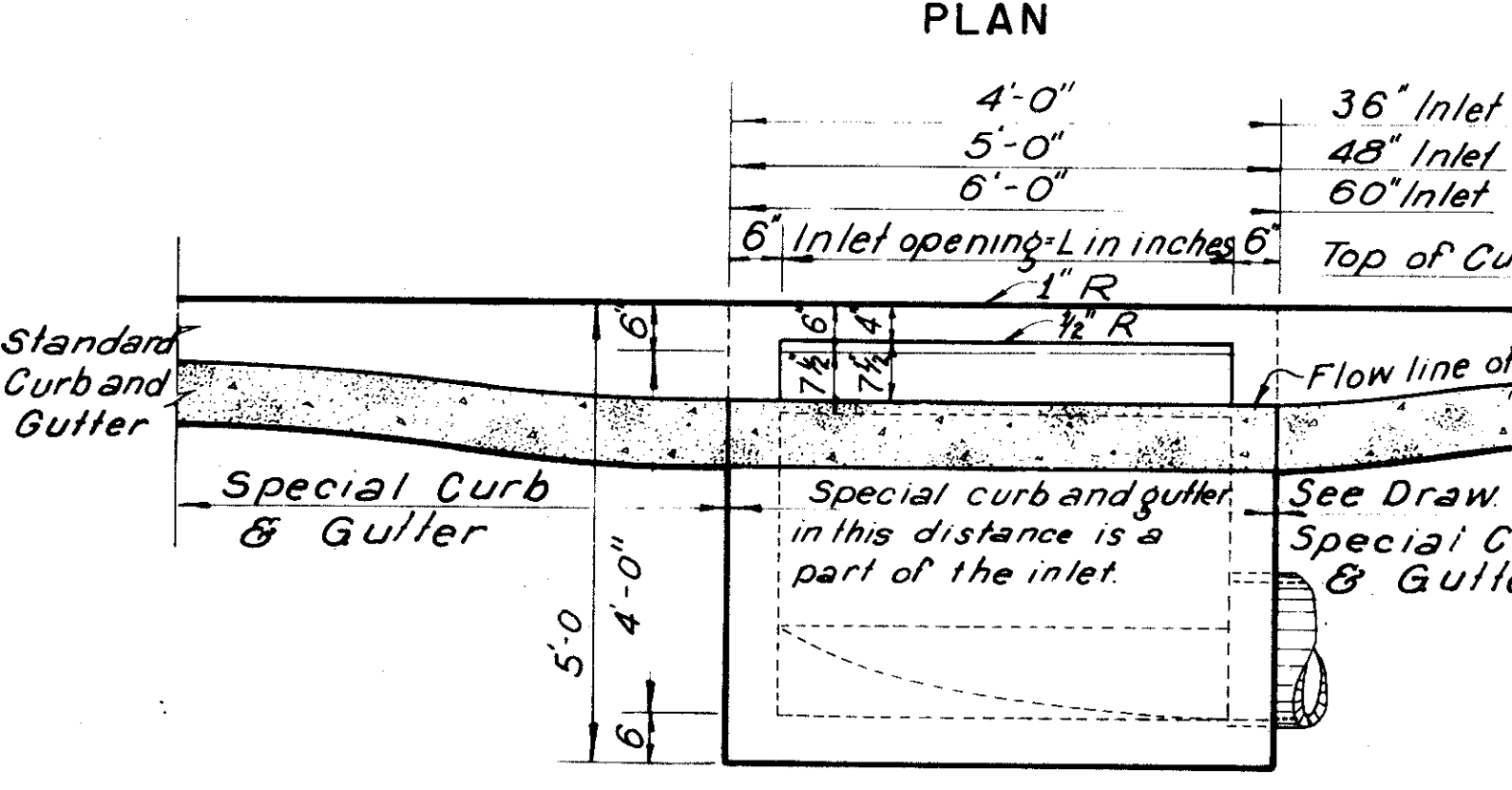
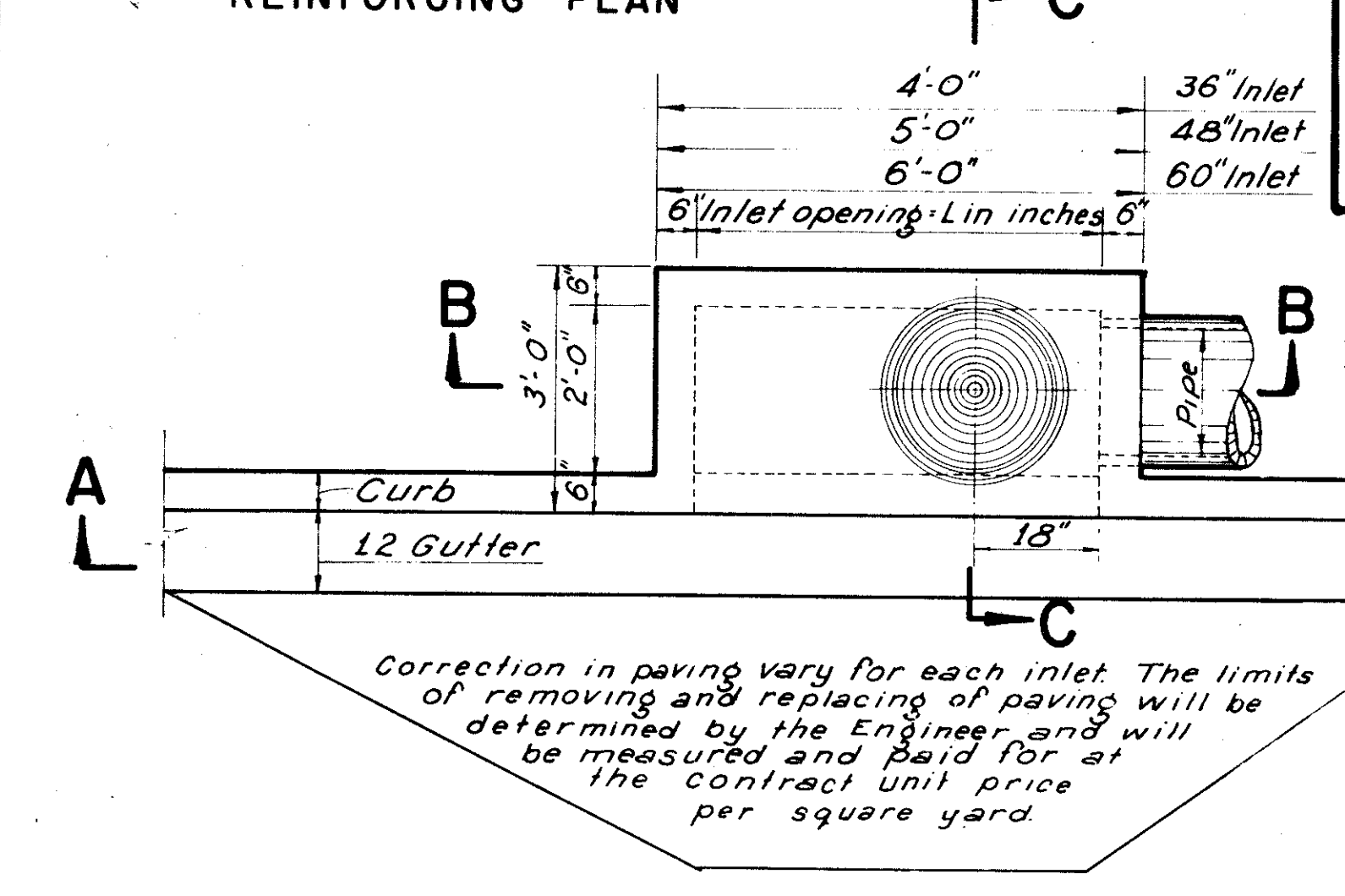
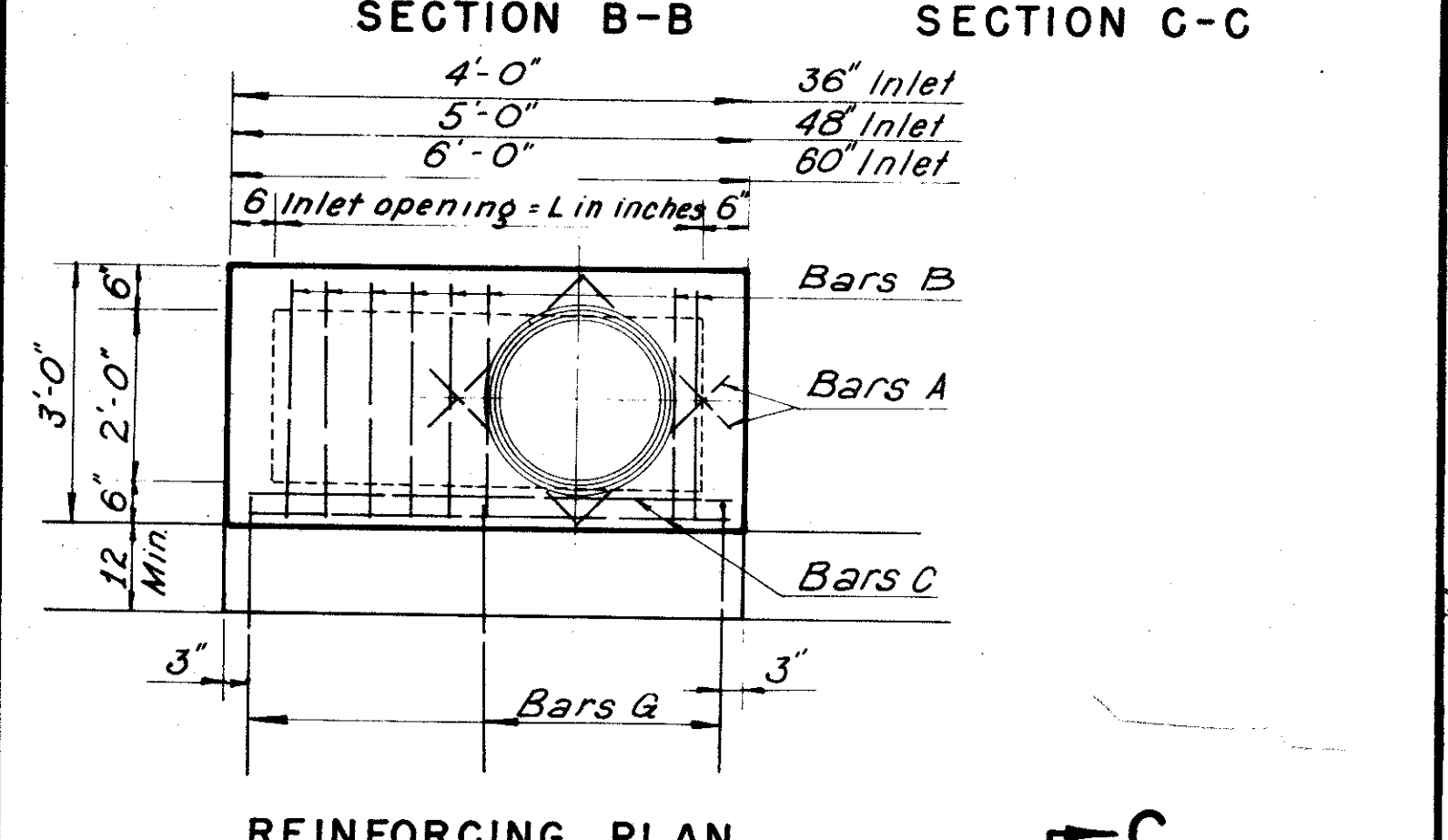
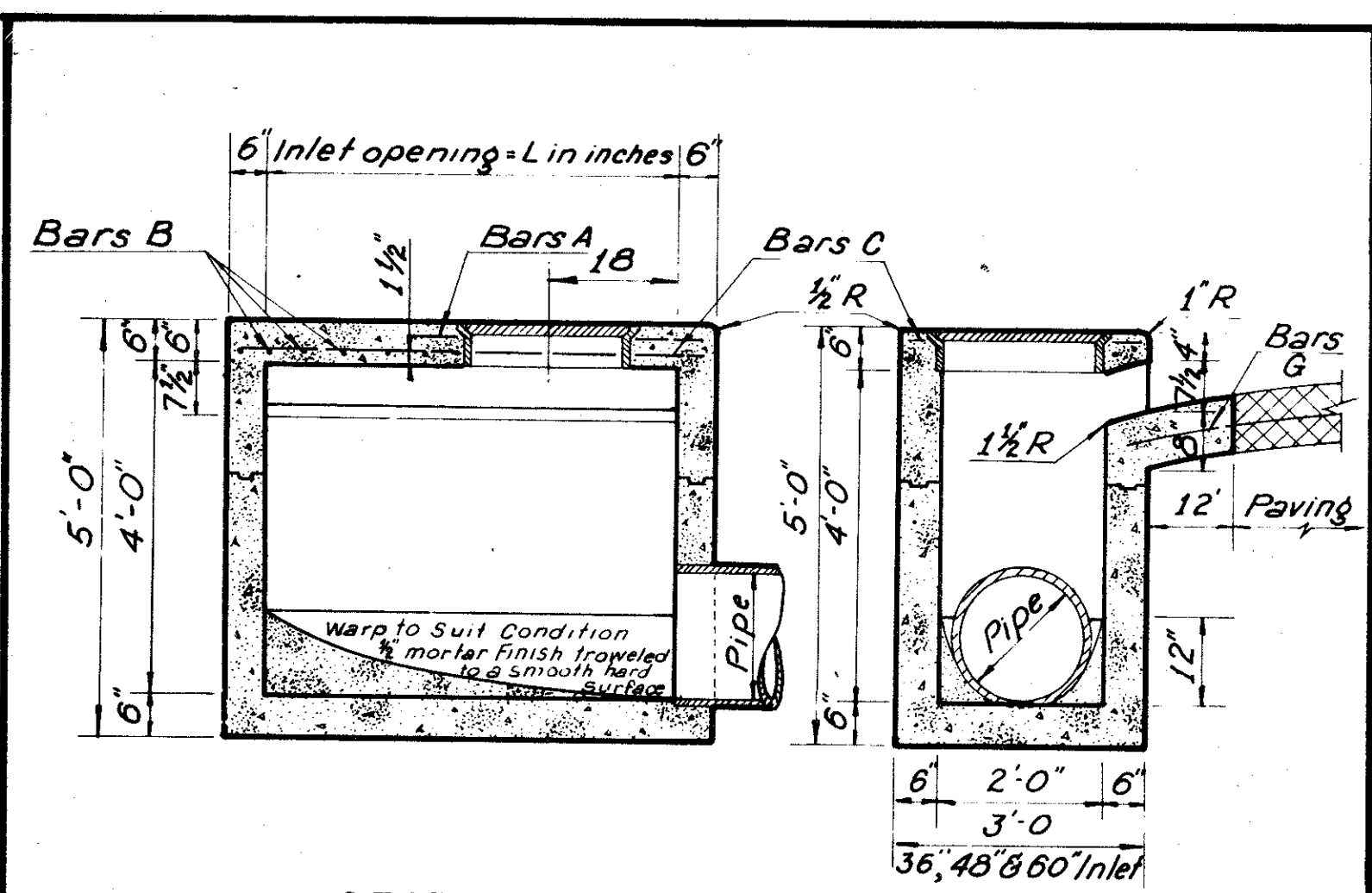
<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
<b>GUARD RAIL</b>			
<b>BELT LINE ROAD</b>			
GINN INC., CONSULTING ENGINEERS			
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980	FILE
APPROVED-H.W.	CHECKED-S.M.	SCALE-NONE	SHEET 46A OF



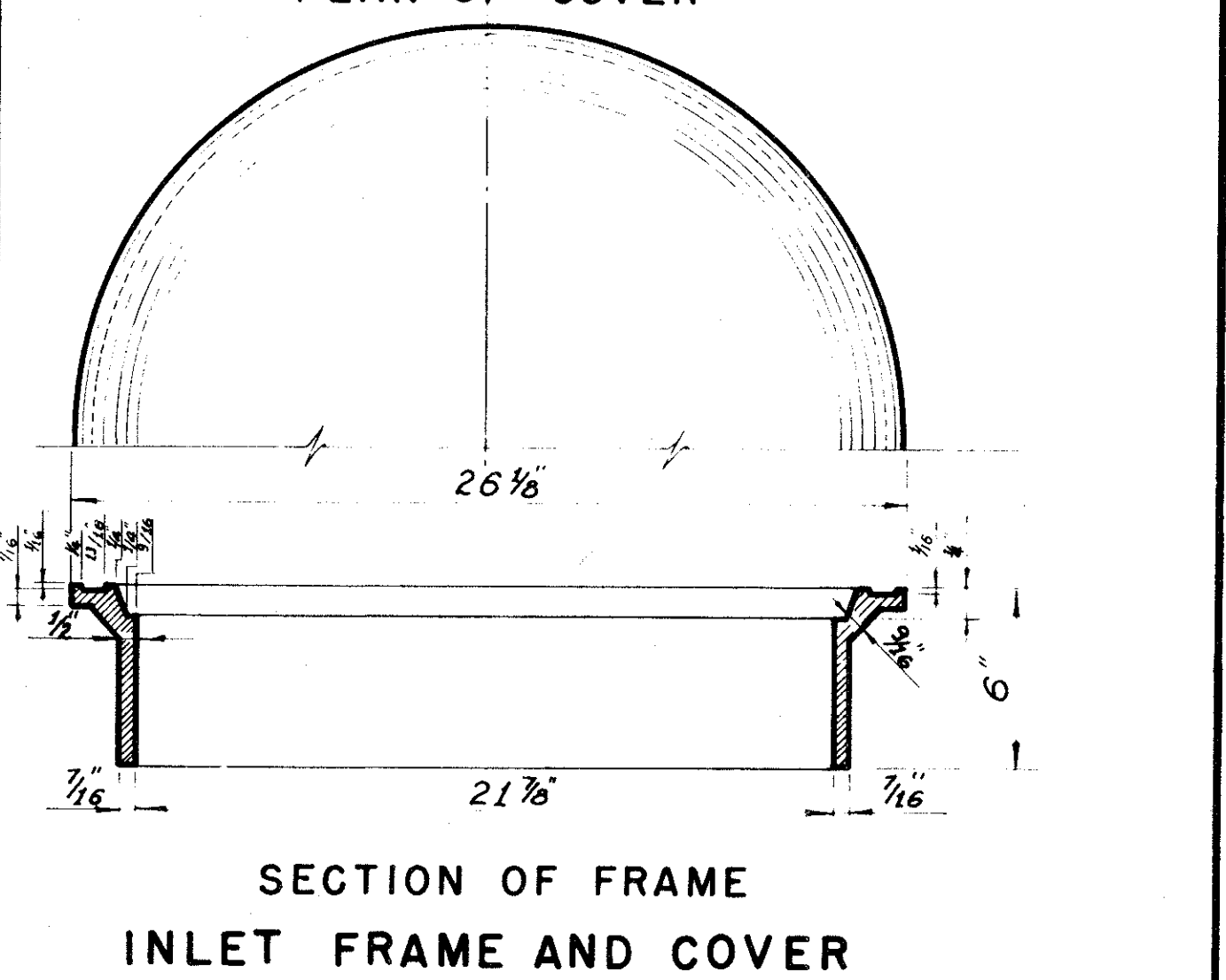
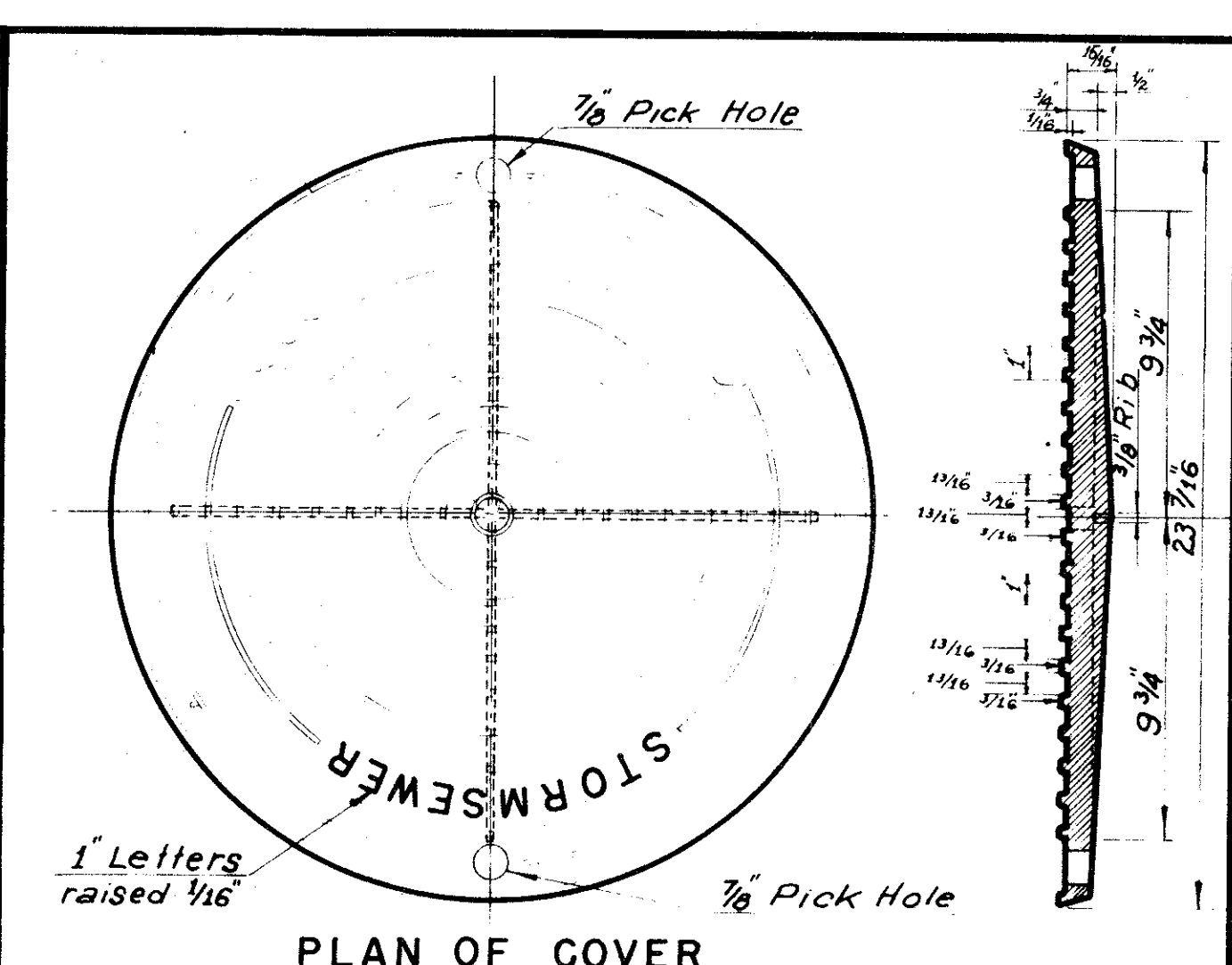


<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
<small>DEPARTMENT OF PUBLIC WORKS</small>			
<b>CONDUIT AND FOUNDATION DETAILS</b>			
<b>BELT LINE ROAD</b>			
<b>GINN, INC., CONSULTING ENGINEERS</b>			
<small>DESIGNED - H.B.J.</small>	<small>DRAWN - S.M.</small>	<small>DATE - MAY - 1980</small>	<small>FILE</small>
<small>APPROVED - H.W.G.</small>	<small>CHECKED - B.H.</small>	<small>SCALE - NONE</small>	<small>SHEET 47</small>



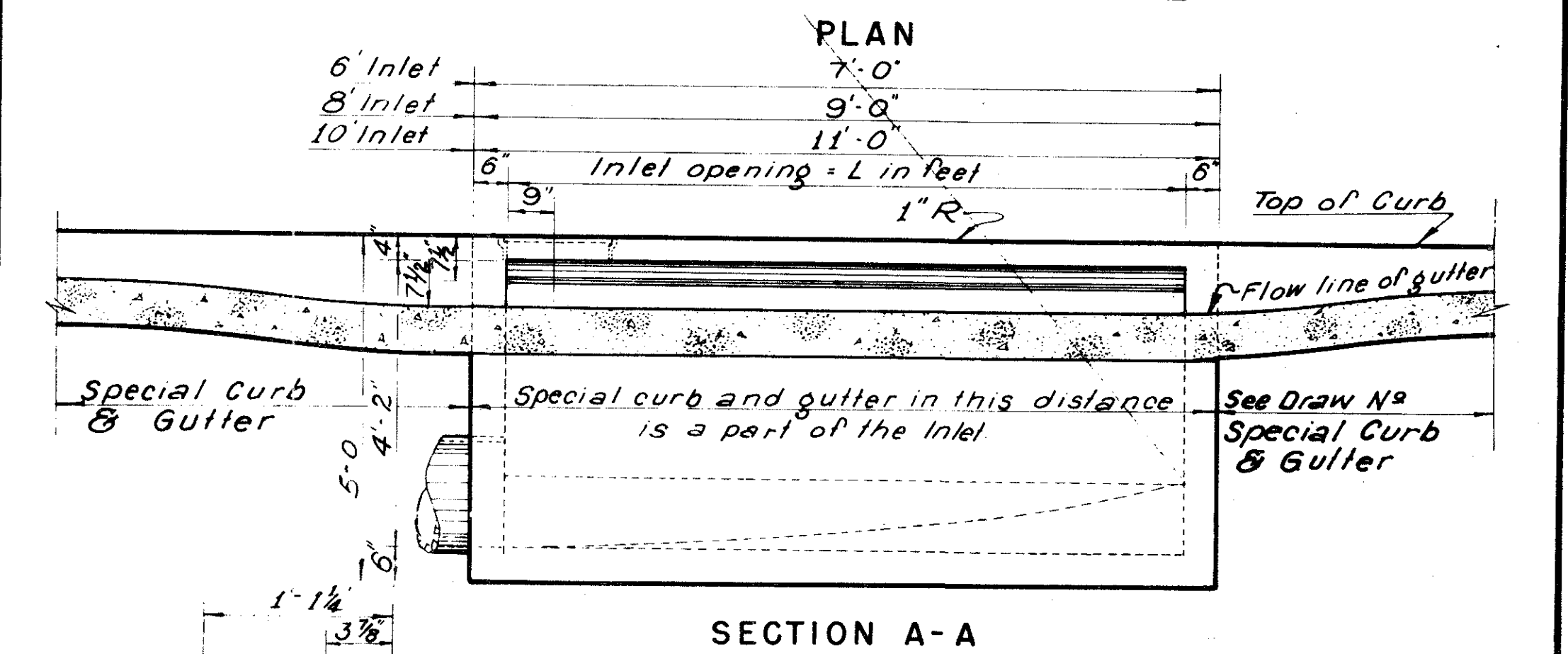
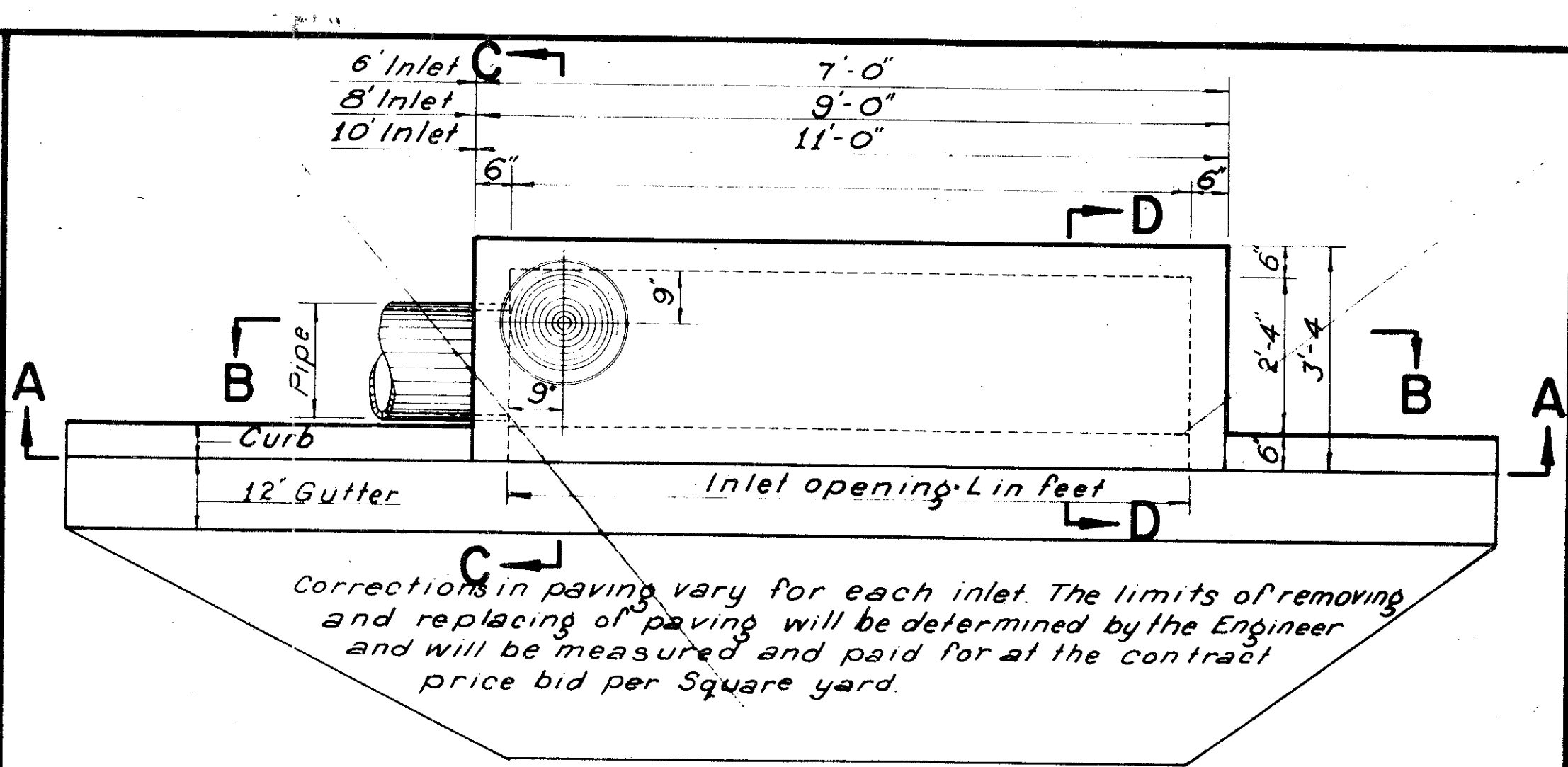


SECTION A-A  
36, 48 AND 60 INCH INLETS

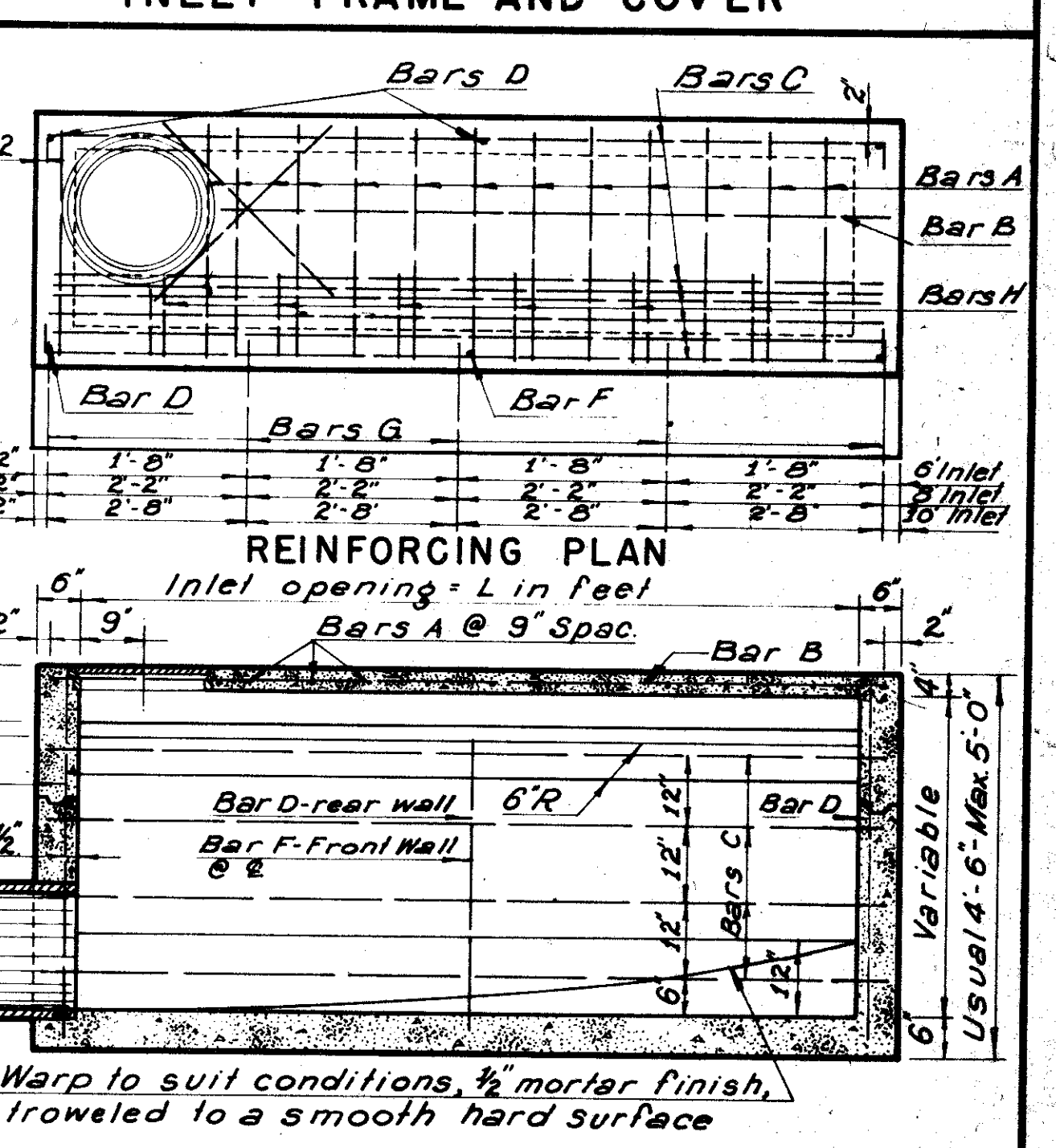
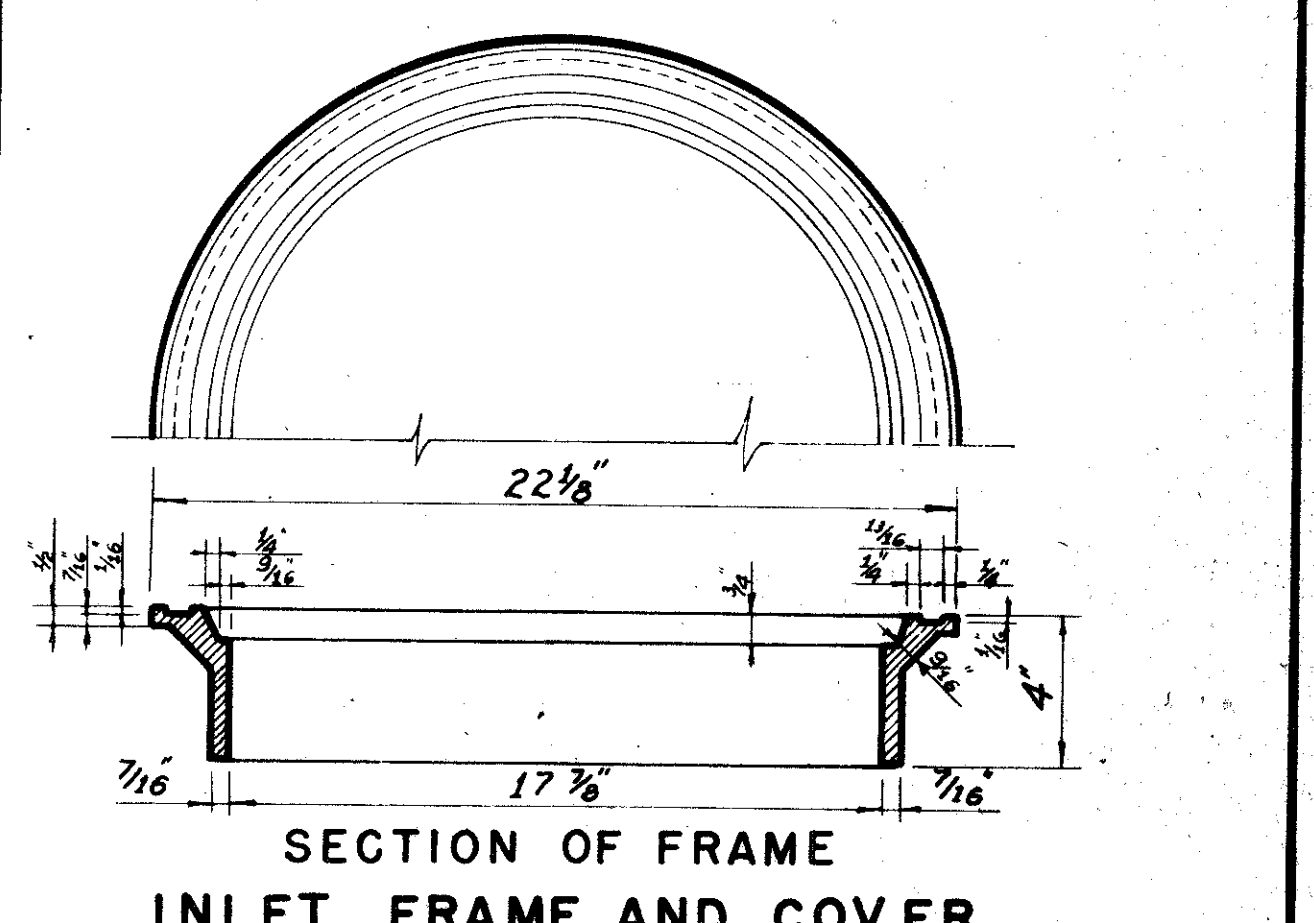
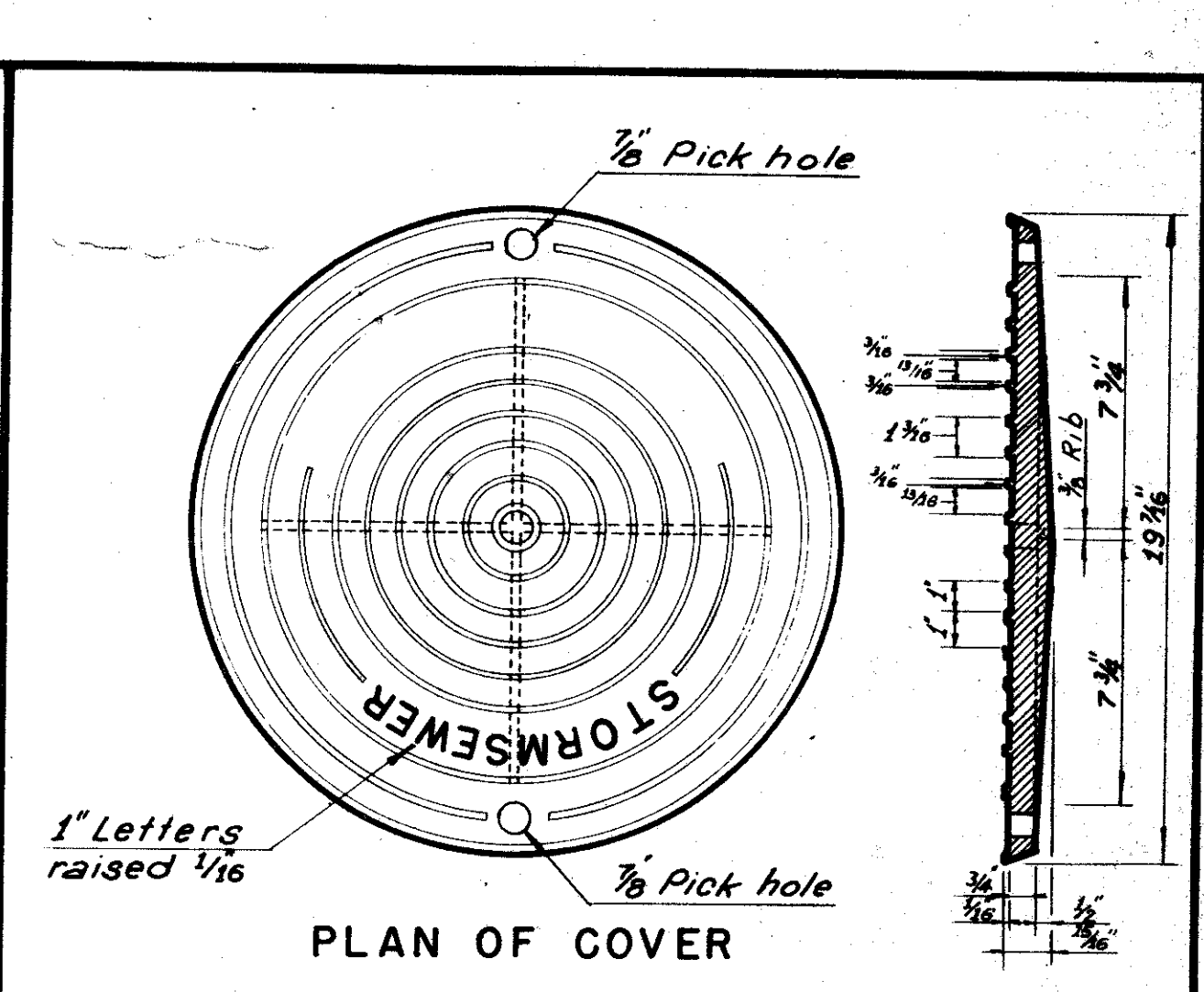


Note: On 48" and 60" Inlets the inlet frame and cover shall be at same end of inlet as pipe

2'-6"	36" Inlet - #5-4 required
2'-6"	48" Inlet - #5-4 required
2'-6"	60" Inlet - #5-4 required
<b>BARS A</b>	
2'-9"	36" Inlet - #5-4 required
2'-9"	48" Inlet - #5-6 required
2'-9"	60" Inlet - #5-8 required
<b>BARS B</b>	
3'-9"	36" Inlet - #5-2 required
4'-8"	48" Inlet - #5-2 required
5'-9"	60" Inlet - #5-2 required
<b>BARS C</b>	
3'-0"	36, 48 & 60" Inlets #3-3 required
<b>BARS G</b>	



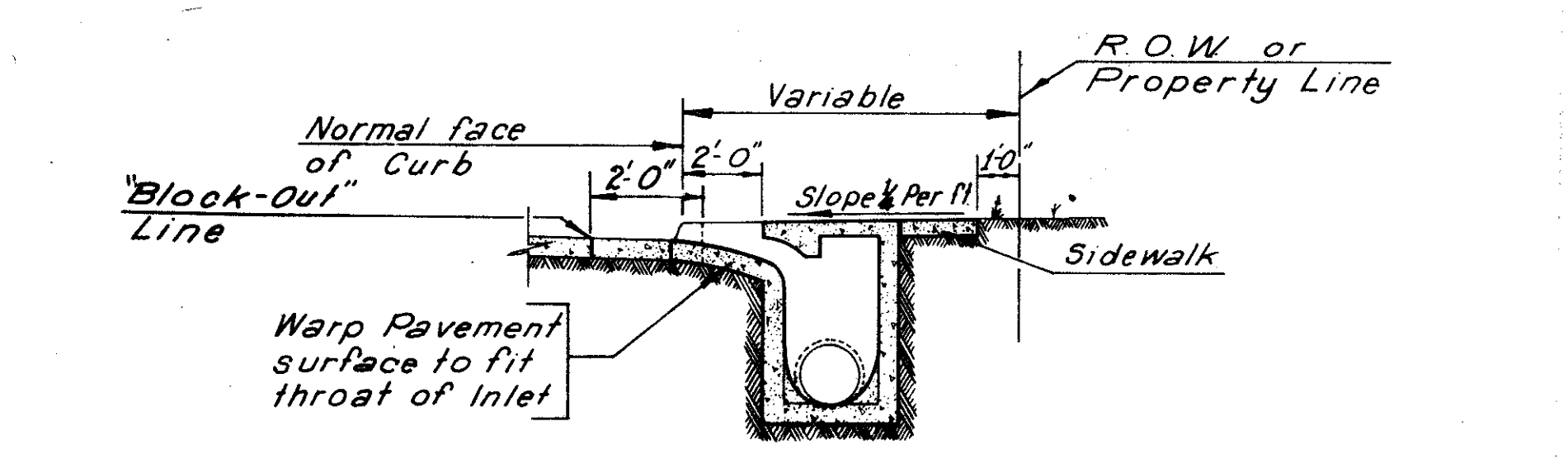
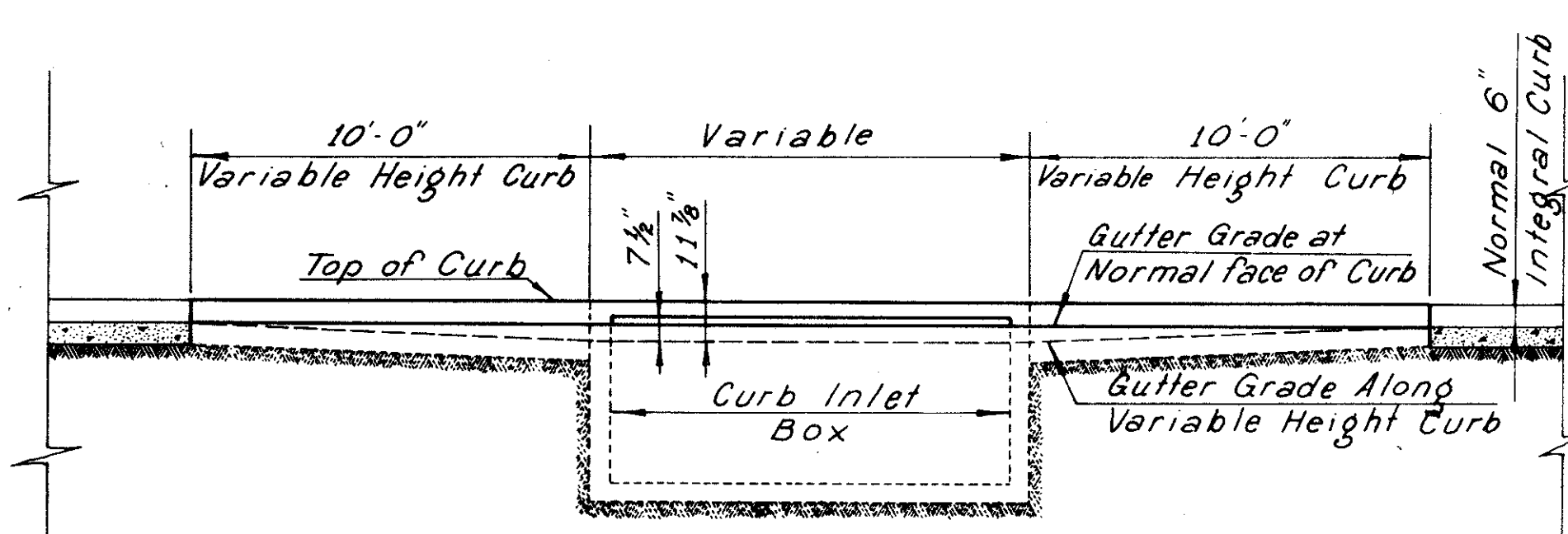
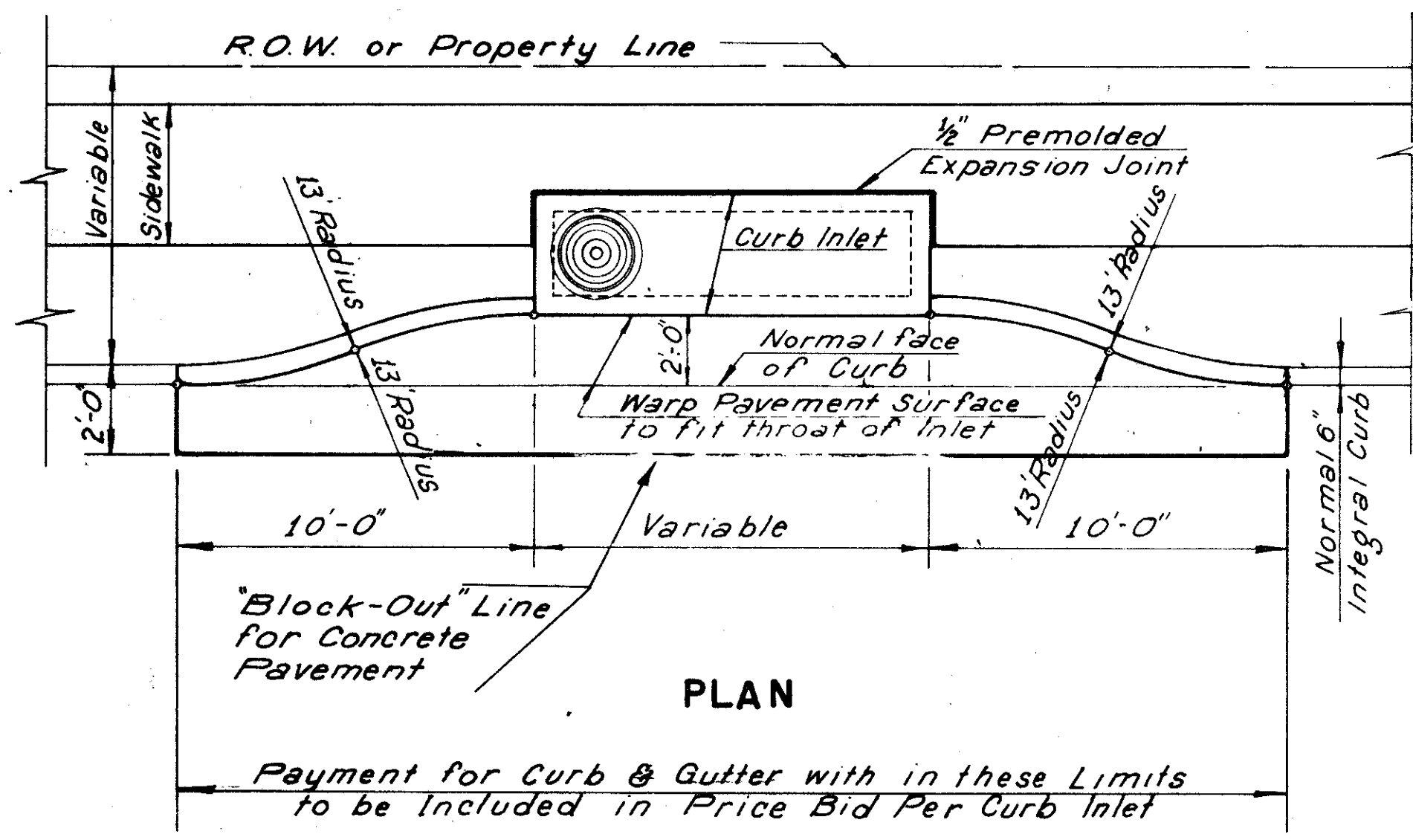
<b>BARS H</b>	
3'-0"	6" Inlet - #3-10 required
3'-0"	8" Inlet - #3-13 required
3'-0"	10" Inlet - #3-16 required
<b>BARS A</b>	
4'-10"	6" Inlet - #3-1 required
6'-10"	8" Inlet - #3-1 required
8'-10"	10" Inlet - #3-1 required
<b>BARS B</b>	
6'-8"	6" Inlet - #4-15 required
8'-8"	8" Inlet - #4-15 required
10'-8"	10" Inlet - #4-15 required
<b>BARS C</b>	
4'-8"	6", 8" & 10" Inlet #4-5 required
3'-6"	6", 8" & 10" Inlet #4-1 required
3'-0"	6", 8" & 10" Inlet #3-5 required
<b>BARS D</b>	
<b>BARS F</b>	
<b>BARS G</b>	



SECTION B-B  
CITY OF ADDISON  
COUNTY OF DALLAS, TEXAS  
DEPARTMENT OF PUBLIC WORKS  
STANDARD CURB INLET  
BELT LINE ROAD  
GINN, INC., CONSULTING ENGINEERS

**NOTES:**  
Concrete shall have a minimum compressive of 3000 psi. at 28 days.  
Lateral pipe may enter inlet at any location.  
The 12" gutter in front of inlet is a part of the inlet and shall be built with the inlet.  
Top of inlet slope shall conform to adjacent parkway normal 1/4" ft. Slope.

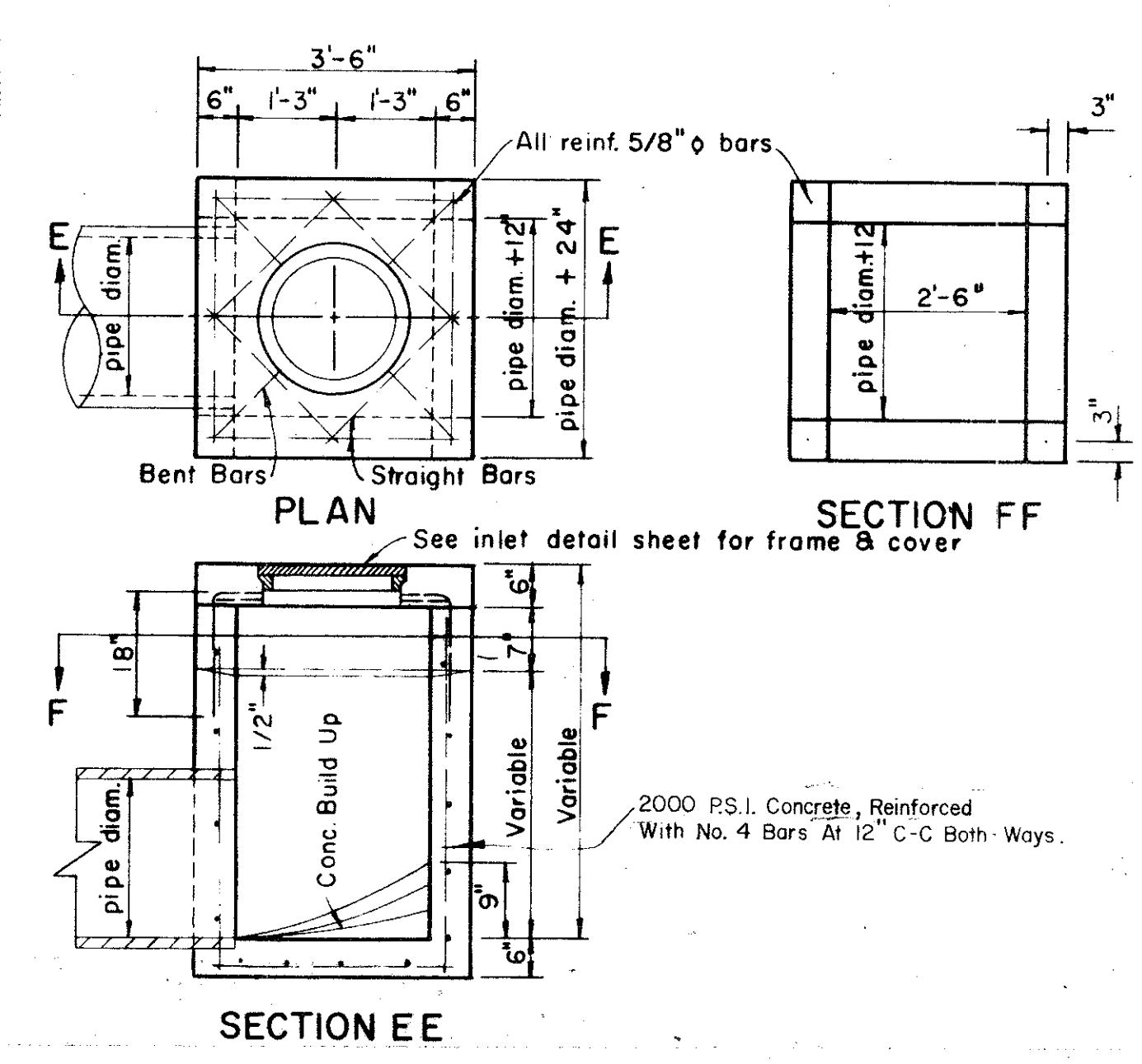




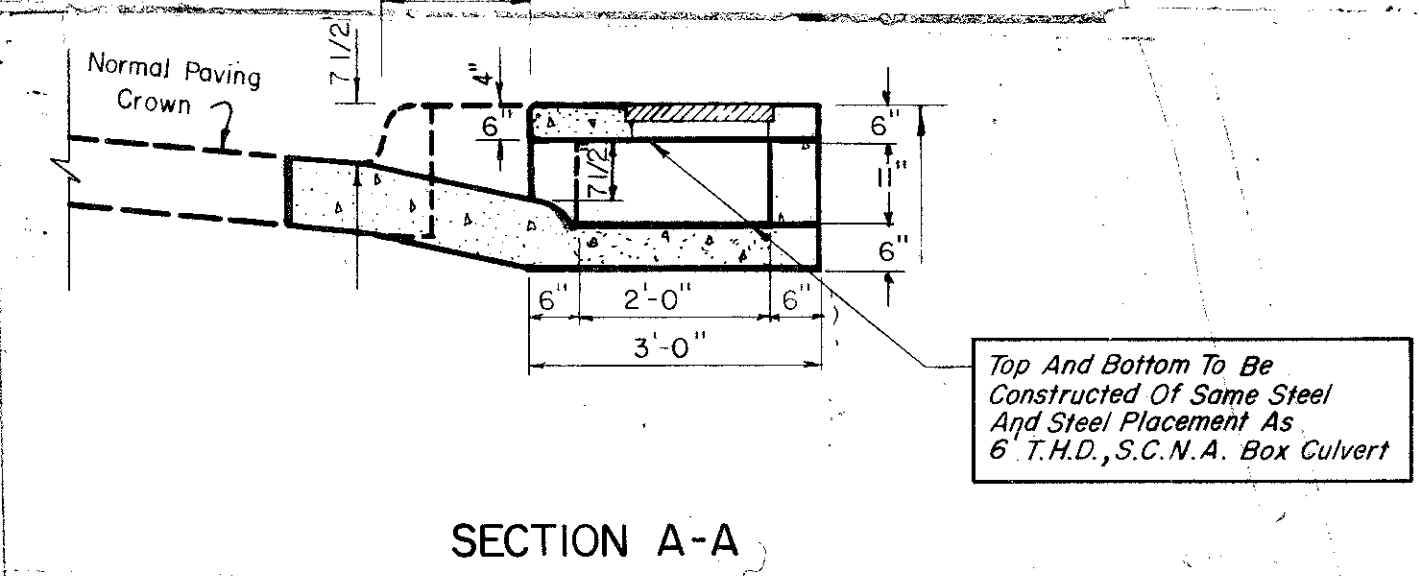
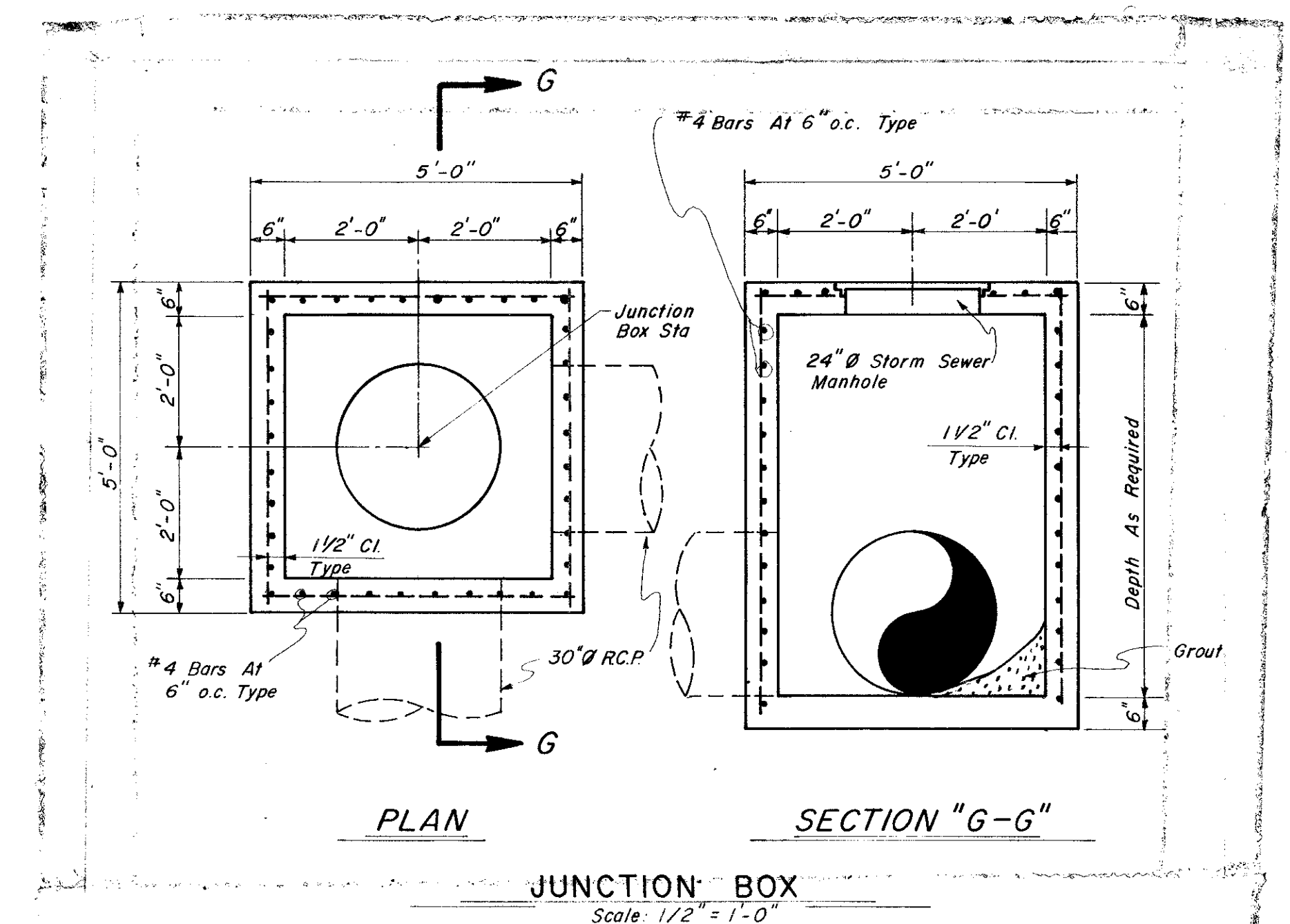
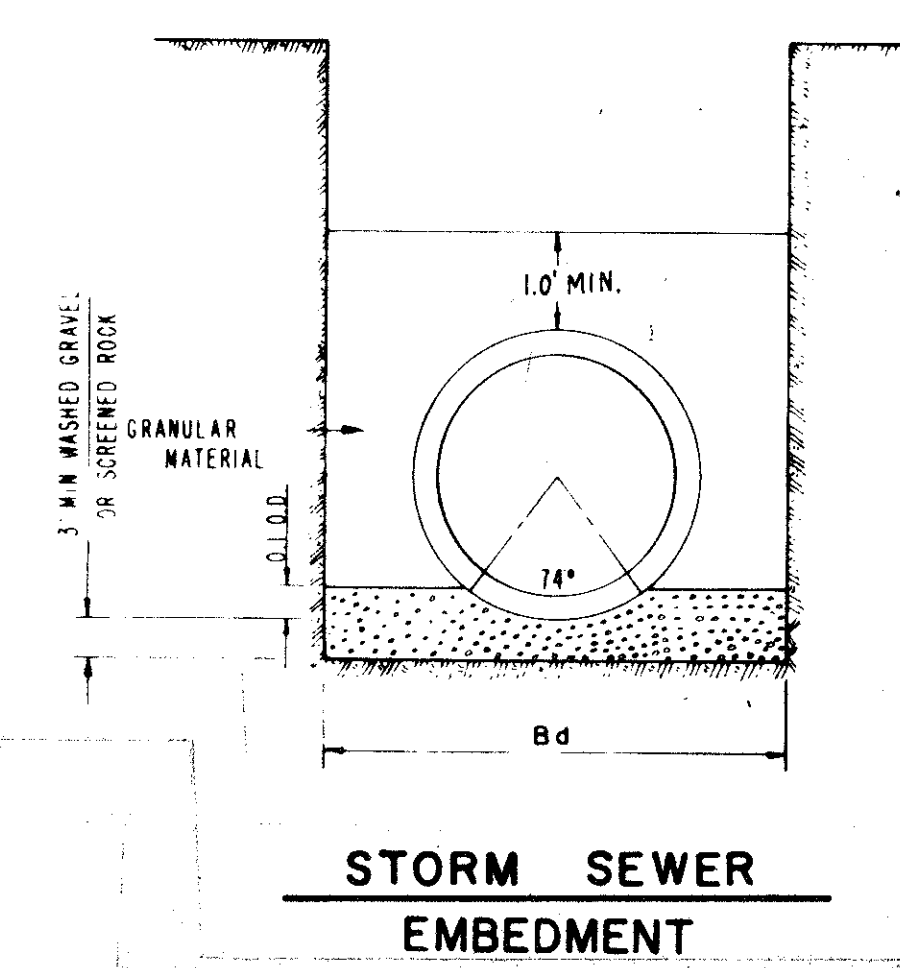
**RECESSED STORM SEWER CURB INLET**  
SCALE: 1/4" = 1'-0"

Note: Reinforcing Steel Shall Be Located As Specified For Standard Curb Inlet

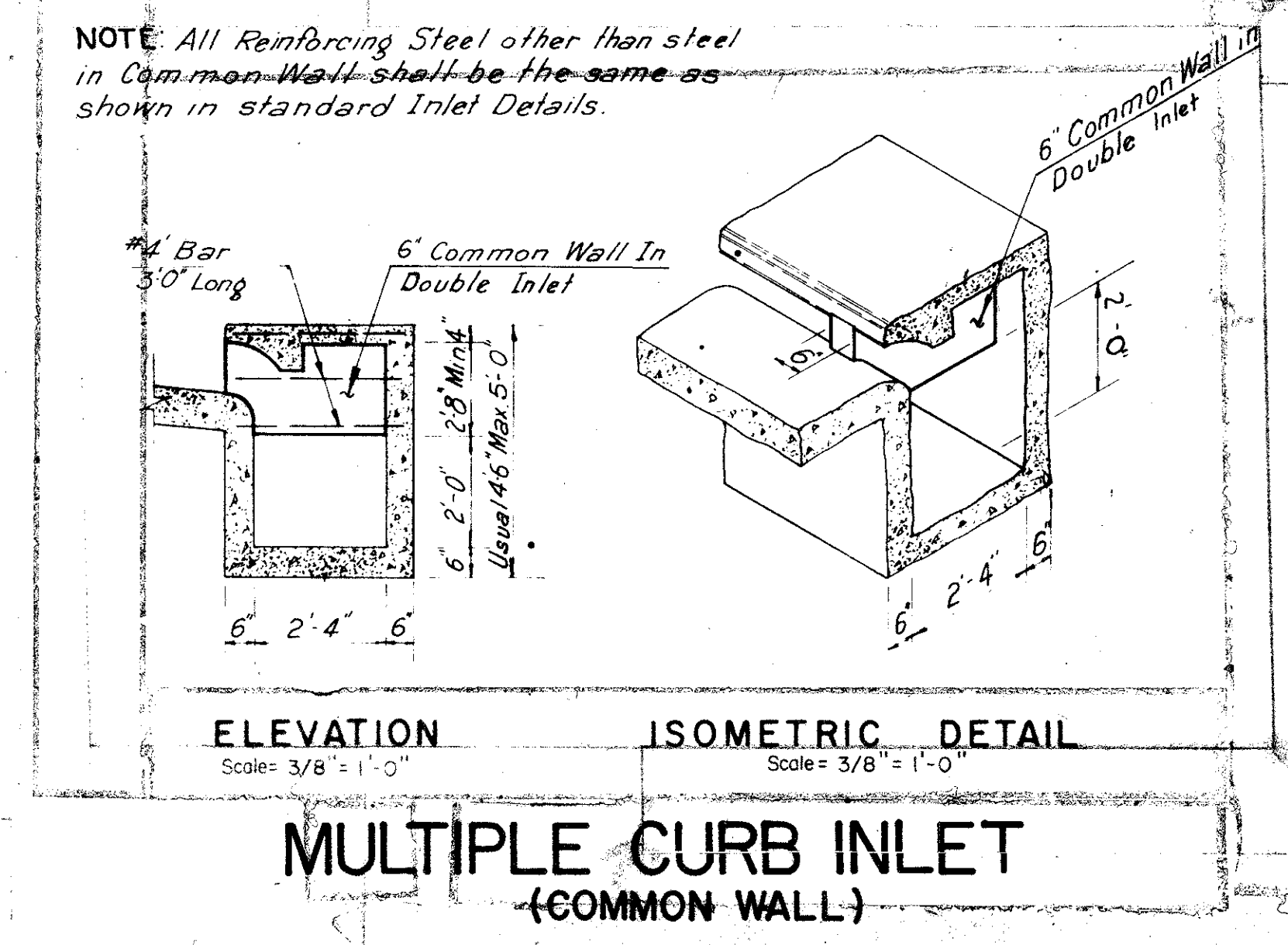
**"Y" TYPE INLET**



PIPE DIA.		Bd	CUBIC YARDS PER 100 L.F.	
I.D.	O.D.		GRAVEL	GRANULAR MATERIAL
15"	19"	39"	4.53	22.28
18"	22.5"	42"	5.13	25.15
21"	26"	45"	5.76	28.03
24"	29.5"	48"	6.42	30.94
27"	33"	51"	7.11	33.86
30"	37"	54"	7.85	36.72
33"	40.5"	57"	8.59	39.64
36"	44"	60"	9.36	42.58
39"	47.5"	63"	10.16	45.53
42"	51"	66"	10.99	48.51
48"	58"	72"	12.72	54.51
54"	65"	78"	14.57	60.57
60"	72"	84"	16.53	66.71
66"	79"	90"	18.60	72.22
72"	86"	96"	20.79	79.19
78"	93"	102"	23.08	85.53
84"	100"	108"	25.49	91.95
90"	108.5"	115"	28.47	99.02
96"	114"	120"	30.64	104.98
102"	122.5"	129"	34.66	118.41

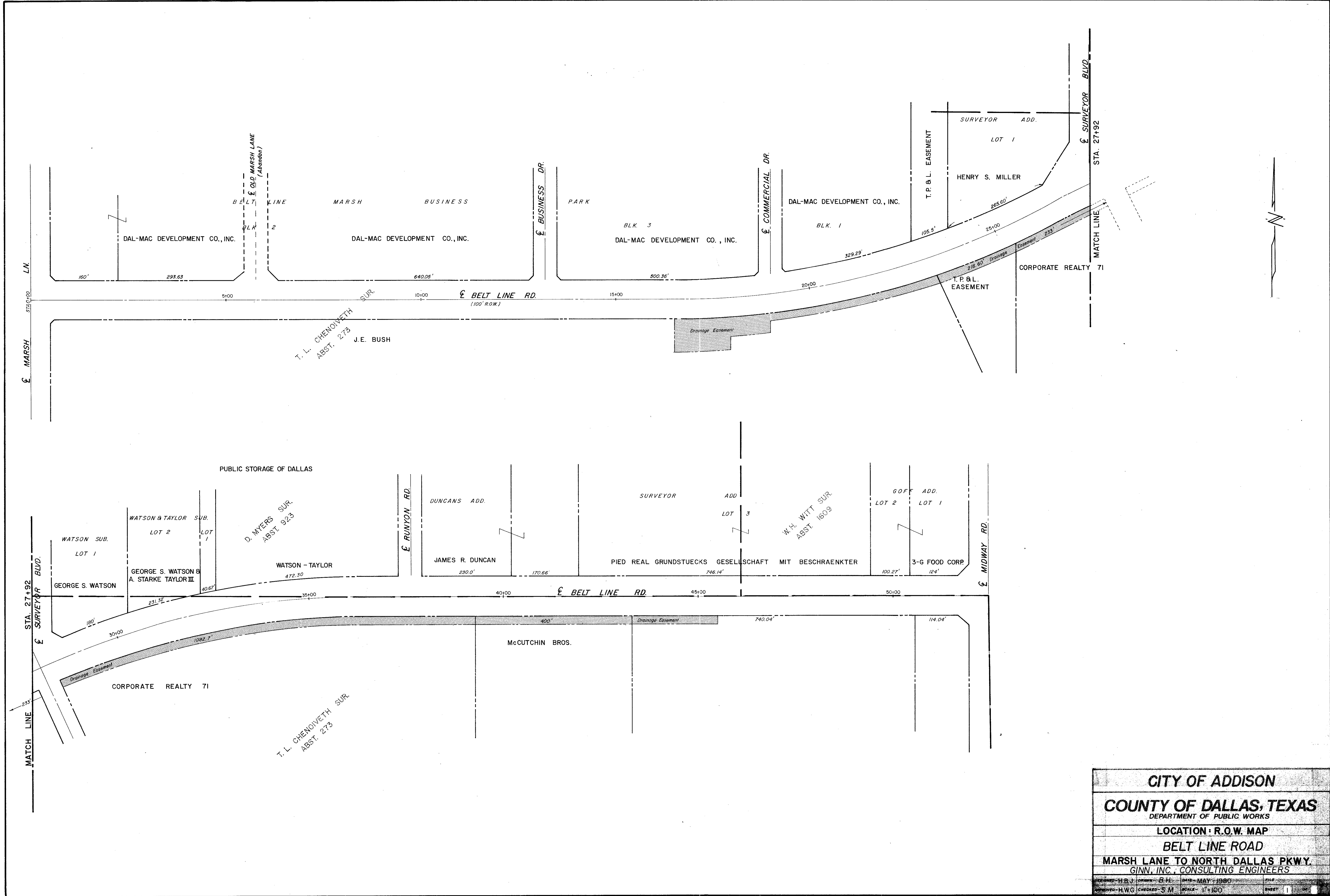


**6' MODIFIED RECESSED CURB INLET (DISCHARGE AT GRADE)**



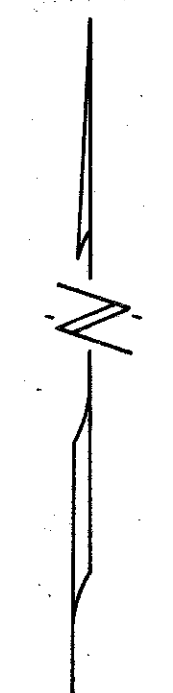
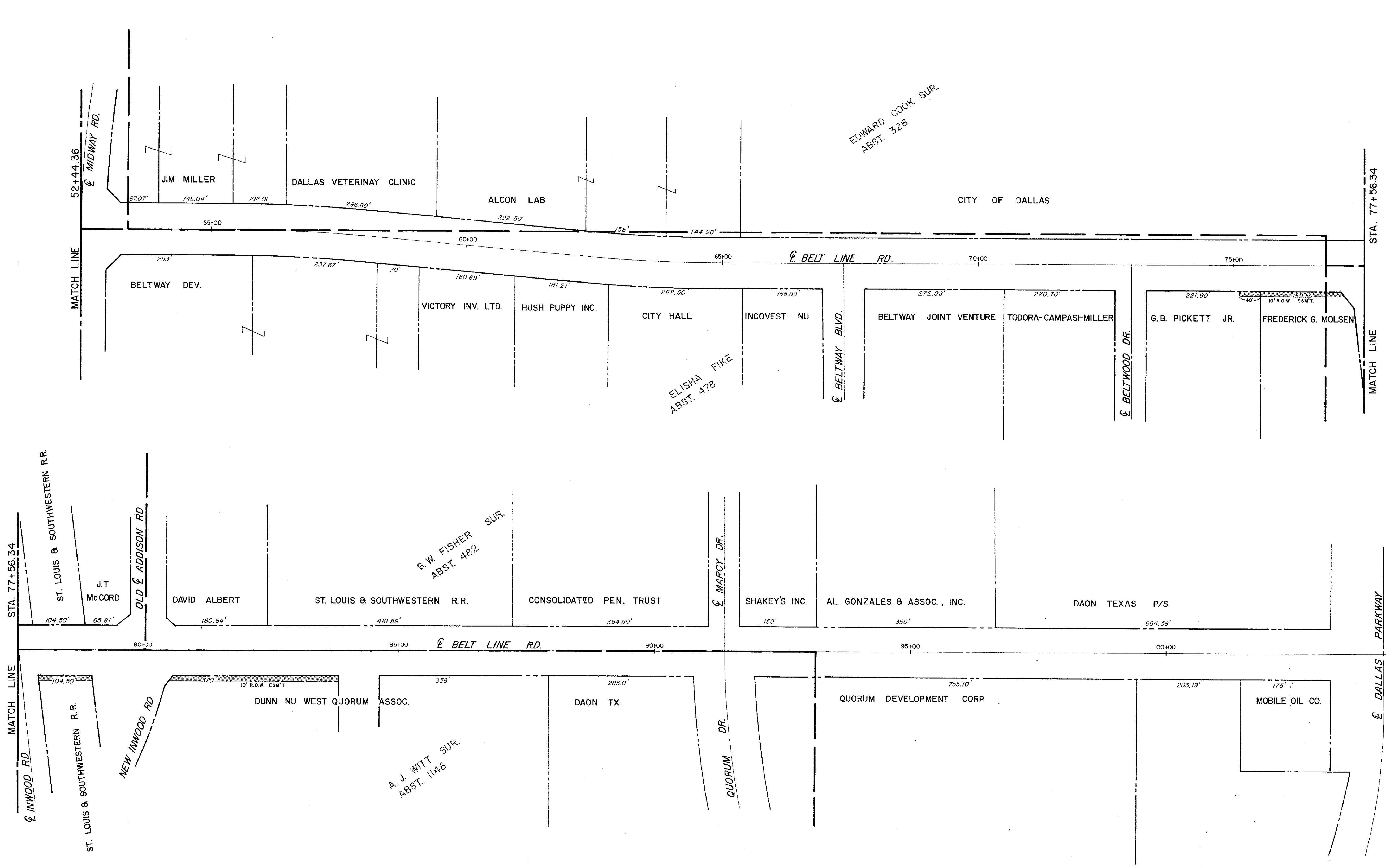
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
DEPARTMENT OF PUBLIC WORKS  
**RECESSED CURB INLET**  
**BELT LINE ROAD**  
**INLET DETAILS**  
**GINN, INC., CONSULTING ENGINEERS**  
DESIGNED: J.C.H. DRAWN: S.M. DATE: MAY 1980 FILE:  
APPROVED: H.W.C. CHECKED: B.H. SCALE: AS SHOWN SHEET: 49





<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
LOCATION: R.O.W. MAP			
BELT LINE ROAD			
MARSH LANE TO NORTH DALLAS PKWY.			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED: H.B.J.	DRAWN: B.H.	DATE: MAY 1980	FILE:
APPROVED: H.W.G.	CHECKED: S.M.	SCALE: 1"=100'	SHEET: 1





<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
LOCATION: R.O.W. MAP			
<b>BELT LINE ROAD</b>			
MARSH LANE TO NORTH DALLAS PKWY.			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - 1" = 100'	SHEET 2 OF



SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ITEM NO.	DESCRIPTION	QUANTITY	UNIT
100	Prepare Roadway R.O.W.	106.5	STA.	120	Uncl. Channel Excavation (D.C.)	1	LS.
104.1	Remove Existing Paving and Median	4617.0	S.Y.	164	Erosion Control - Broadcast Seeding	15000	S.Y.
104.2	Sawed Break-out Groove	3000.0	L.F.	4090	Pre-Cast 10x6' Conc. Box Culvert	315	L.F.
110.0	Uncl. Road Excavation (D.C.)	64262.0	C.Y.	421.1	Conc. Headwall (Cl.A)	15.7	C.Y.
130.0	Uncl. Borrow (D.C.)	2781.0	C.Y.	421.2	Conc. Retaining Walls (Cl.C)	64.4	C.Y.
160.0	Placing 4" Topsoil	500.0	C.Y.	421.3	Conc. Wing Wall (Cl.A.)	4.6	C.Y.
248.0	6" Flex Base (Ty. A, Gr. 2, Cl.3) (D.C.)	156.0	C.Y.	430	Extend 6x3 Box Culvert	12.4	C.Y.
260.1	Lime-Ty. A	1045.6	Ton	432	Conc. Rip-Rip	1560	S.Y.
260.2	6" Lime Treated Subgrade (D.C.)	83648.3	S.Y.	440.1	Reinforcing Steel ~ Headwall	1293	LBS.
340.1	3" H.M.A.C.P. Shoulder Ty.D	2000.0	Ton	440.2	Reinforcing Steel ~ Retaining Walls (Grade 60)	6061	LBS.
340.2	6" H.M.A.C.P. Base Ty.B	5000.0	Ton	440.3	Reinforcing Steel ~ Wing Wall	479	LBS.
340.3	2" H.M.A.C.P. Transition Ty.D	800.0	Ton	440.4	Reinforcing Steel ~ Box Culvert Extension	2085	LBS.
360.1	8" Reinforced Conc. Paving 3000 P.S.I.	93200.0	S.Y.	465.1	18" R.C.P. Class III	806	L.F.
360.2	6" Conc. Curb (Monolithic) 3000 P.S.I.	35735.0	L.F.	465.2	21" R.C.P. Class III	230	L.F.
360.3	4" Non-reinforced Conc. Median 2000 P.S.I.	2234.32	S.Y.	465.3	24" R.C.P. Class III	844	L.F.
360.4	Conc. Street Headers	400.0	L.F.	465.4	30" R.C.P. Class III	565	L.F.
360.5	Conc. Rail Road Header	410.0	L.F.	465.5	36" R.C.P. Class III	69	L.F.
522.0	Conc. Curb and Gutter	305.0	L.F.	465.6	42" R.C.P. Class III	266	L.F.
524.0	5" Conc. Drive Approach 3000 P.S.I.	2240.69	S.Y.	465.7	46" R.C.P. Class III	112	L.F.
580	Field Office Ty. A	1	LS.	465.8	48" R.C.P. Class III	385	L.F.
630.1	Foundation Ty. A	17	EA.	465.9	54" R.C.P. Class III	860	L.F.
630.2	Foundation Ty. B	6	EA.	465.10	60" R.C.P. Class III	423	L.F.
630.3	Foundation Ty. C	12	EA.	465.11	66" R.C.P. Class III	15	L.F.
630.4	Foundation Ty. D	48	EA.	465.12	72" R.C.P. Class III	310	L.F.
630.5	Signal Controller Foundation	4	EA.				
640.1	1 1/2" P.V.C. Conduit	10220	L.F.	465.13	96" R.C.P. Class III	767	L.F.
640.2	2" P.V.C. Conduit	9456	L.F.	470.1	6' Rec. Inlet	2	EA.
640.3	3" P.V.C. Conduit	3149	L.F.	470.2	10' Rec. Inlet	25	EA.
640.4	Pull Box	81	EA.				
752.1	P15W Traffic Button	1051	EA.	470.3	8' Std. Curb Inlet	1	EA.
752.2	P18-W Traffic Button	458	EA.	470.4	10' Std. Curb Inlet	4	EA.
752.3	P117Y Traffic Button	293	EA.	470.5	6' Modified Rec. Curb Inlet	2	EA.
754.1	P7W Traffic Button	4982	EA.	479.3	Adjust 20" & 24" Water Main	155	L.F.
479.1	Adjust Water Valve	60.0	EA.	479.4	Adjust 8" Water Water Main	259	L.F.
479.2	Adjust Manholes	12	EA.	479.5	Adjust 10" Sanitary Sewer (Ductile Iron Sleeve)	15	L.F.
646.5	2" P.V.C. SCH. 40	1000.0	L.F.	496.1	Remove Existing 2 8'x8' Box Culvert & Hdwl.	1	L.S.
640.6	2" Gatevalve W/Taps	15.0	EA.	496.2	Remove Existing 6'x3' Box Culvert & 54" R.C.P. w/ Headwall	1	L.S.
				560	Metal Beam Guard Fence	250	L.F.
				496.3	Remove 2 42" R.C.P. Box & Hdwl.	1	L.S.
2203.3	Adjust Water Valve (Dallas)	2.0	EA.	567	Wire Fence	2300	L.F.
2203.4	Adjust Manhole (Dallas)	5.0	EA.	470.6	10' (Mod.) Rec. Inlet	1	EA.
				479.6	Adjust 12" Water	30	L.F.
				496.3	Remove 54" R.C.P.	552	L.F.
				464.1	Relay 54" R.C.P.	135	L.F.
				479.7	10" Sewer Encasement	10	L.F.
				496.4	Remove 6" Non-Reinf. Rip-Rap	100	S.Y.
				496.5	Remove Wing Walls, Footing & Parapet (Sta. 171.73)	1	L.S.
				496.6	Remove 24" R.C.P.	12	L.F.
				421.5	10x6 Double Box Culvert THD. MCW:(Mod.)	1	LS.
				464.2	Relay 24" R.C.P.	12	L.F.
				420.1	8" Reinf. Conc. Plug Wall	1	LS.
				421.4	Conc. Parapet 8x8 Box Culvert	4.2	C.Y.
				440.5	Reinf. Steel - Parapet 8x8 Box Culvert	364	LBS.

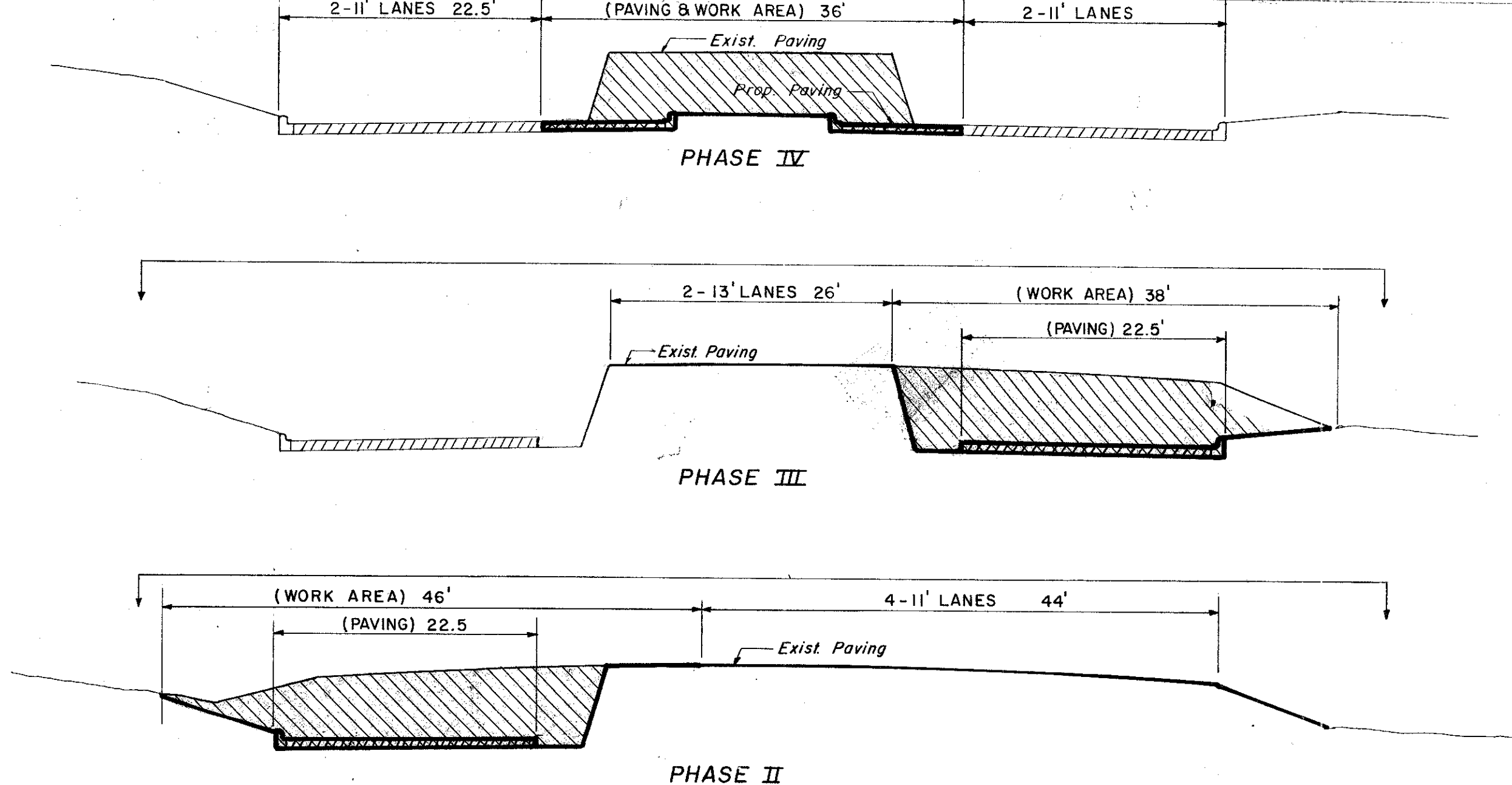
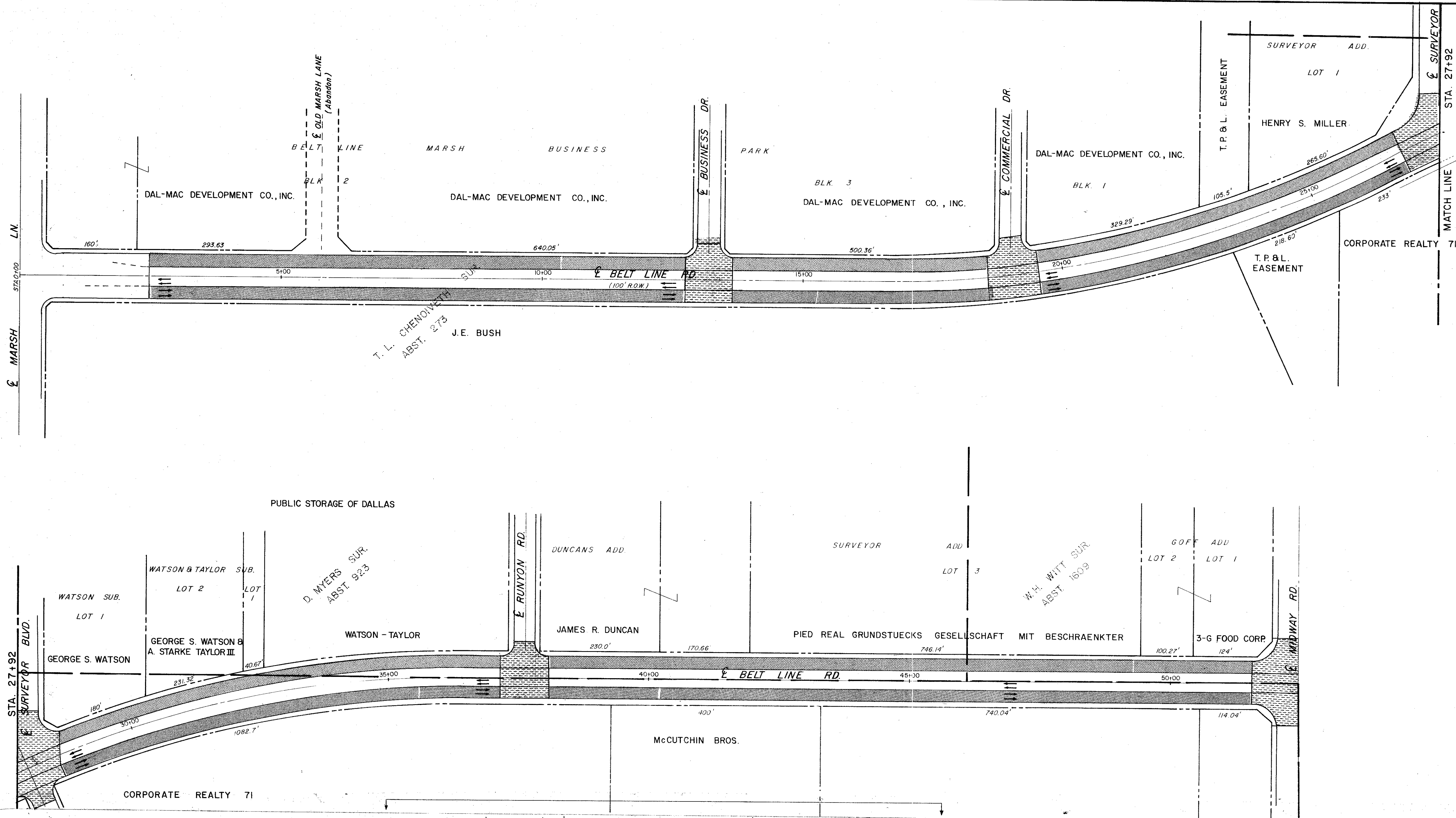
REV. DATE 5/27/1980

**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

SUMMARY OF QUANTITIES  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - B.H.J. DATE - MAY - 1980 FILE  
 APPROVED - H.W.G. CHECKED - S.M. SCALE - SHEET 3 OF

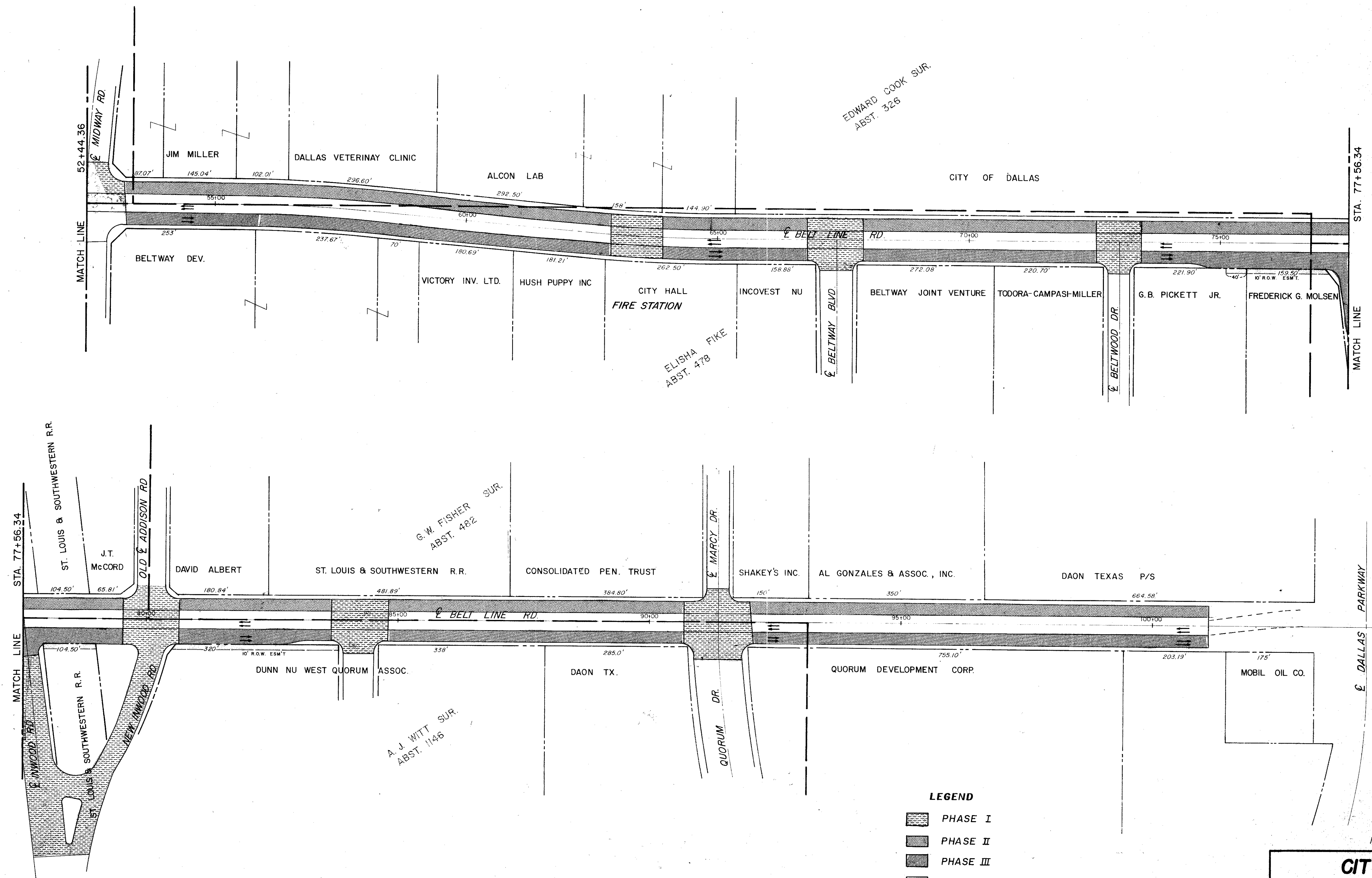




- LEGEND**
- PHASE I
  - PHASE II
  - PHASE III
  - PHASE IV

<b>CITY OF ADDISON</b>			
COUNTY OF DALLAS, TEXAS DEPARTMENT OF PUBLIC WORKS			
<b>CONSTRUCTION SEQUENCE</b>			
<b>BELT LINE ROAD</b>			
<b>MARSH LANE TO NORTH DALLAS PKWY.</b>			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - 1" = 100'	SHEET 4 OF



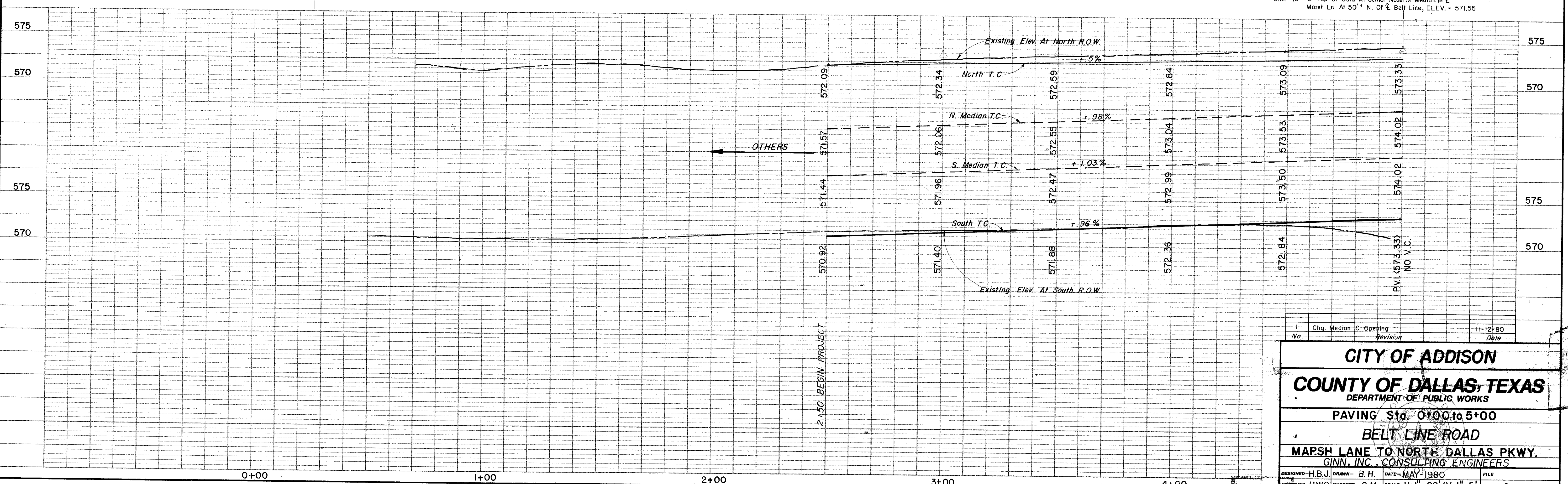
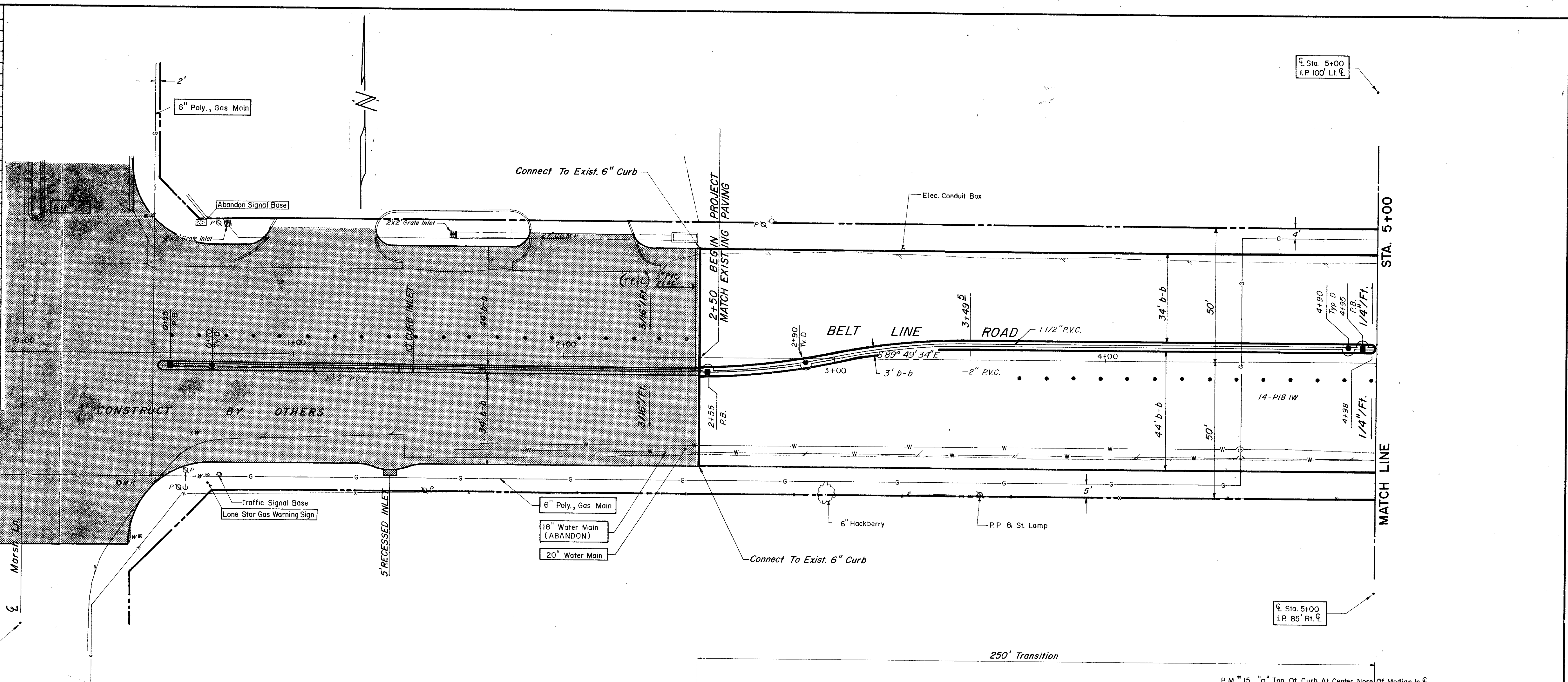
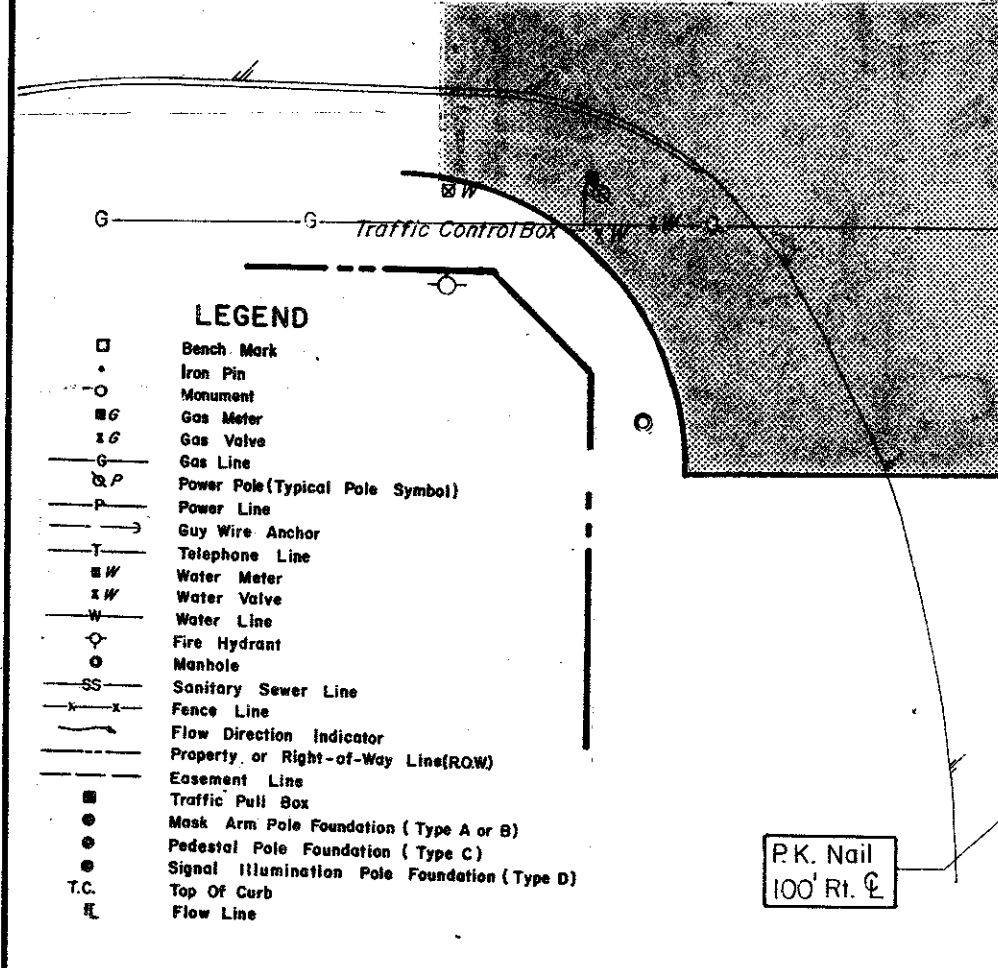


- LEGEND**
- PHASE I
  - PHASE II
  - PHASE III
  - PHASE IV

<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
CONSTRUCTION SEQUENCE			
<b>BELT LINE ROAD</b>			
MARSH LANE TO NORTH DALLAS PKWY.			
GINN, INC. CONSULTING ENGINEERS			
DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - 1"=100'	SHEET 5 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100.	Prepare Roadway R.O.W	Sta.	2.5
104.1	Remove Old Concrete, Pavement & Median	SY	---
104.2	Sawed Break-Out Groove	LF	---
110	Unclassified Road Excavation(Dens Cont.)	CY	1999.0
160	Placing 4" Topsoil	CY	31.75
248	6" Flex Base (Dens Cont)(Ty A, Gr 2,C13)	CY	---
260.1	Lime (TyA) Slurry Method	Ton	25.69
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	2363
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	45.84
340.2	6" Hot Mix Asphalt (Ty B)	Ton	---
360.1	8" Conc Pavement (3000 PSI)	SY	2168
360.2	6" Conc Monolithic Curb(3000 PSI)	LF	1000.72
360.3	4" Non-Reinf Conc In Median(2000PSI)	SY	84
360.4	Conc. St Header	LF	78
640.5	2" PVC. SCH 40 (Conc. Encasement)	L.F.	60
522	Conc Curb & Gutter Class A	LF	---
524	Conc Driveways, Appr 5" Rein Conc.(3000PSI)	SY	---
630.1	Foundation (Ty A) Traffic Sig In Place	EA	---
630.2	Foundation (Ty B) Traffic Sig In Place	EA	---
630.3	Foundation (Ty C) Traffic Sig In Place	EA	---
630.4	Foundation (Ty D) Illumination	EA	3
640.1	1/2" PVC Conduit, Furnish & Install	LF	499
640.2	2" PVC Conduit, Furnish & Install	LF	499
640.3	3" PVC Conduit, Furnish & Install	LF	---
640.4	Pull Box, Complete In Place	EA	2
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	48
752.2	Traffic Buttons-Single Refl Ty P18-1 White	EA	14
754.1	Traffic Buttons- Nonrefl, Ty P7 White	EA	240



Chg. Median & Opening  
 No. Revision Date  
 11-12-80

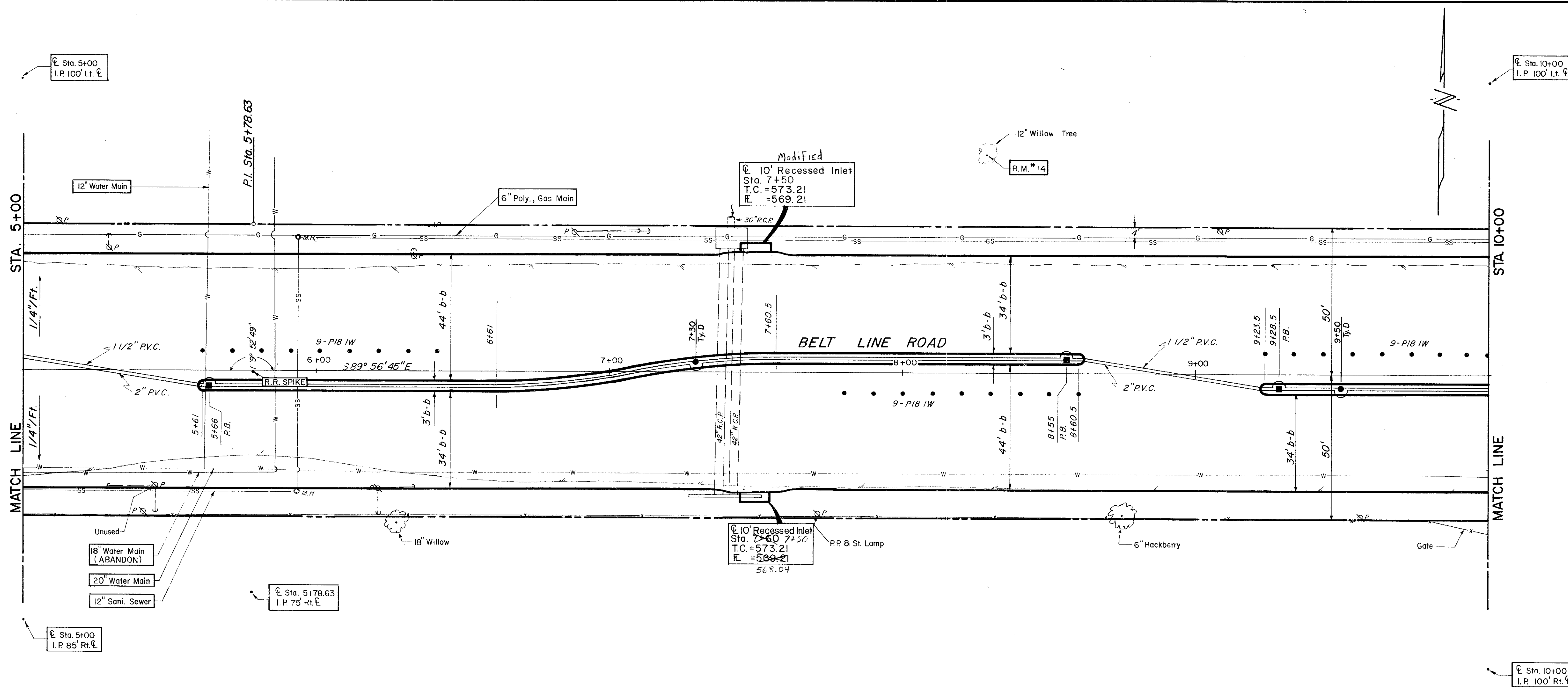
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 0+00 to 5+00  
**BELT LINE ROAD**  
 MAPSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED-H.B.J. DRAWN-B.H. DATE-MAY-1980 FILE  
 APPROVED-H.W.G. CHECKED-S.M. SCALE-H=1"=20'/V=1"=5' SHEET 6 OF

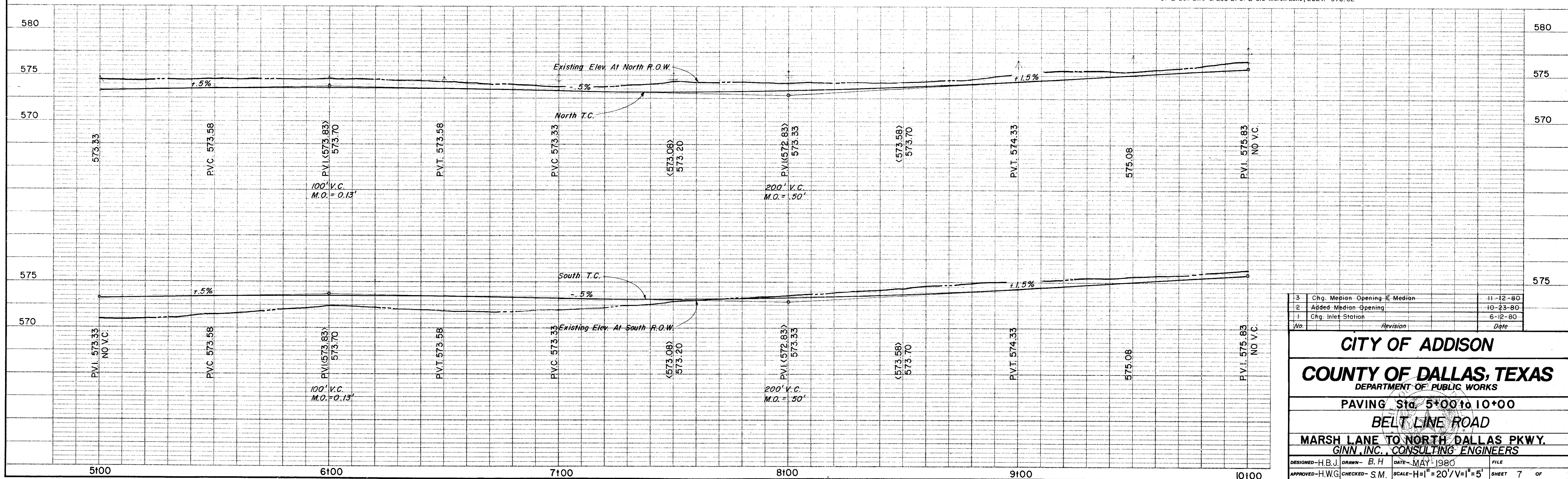


ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	
110	Unclassified Road Excavation(Dens Cont.)	CY	3937
160	Placing 4" Topsoil	CY	79.44
248	6" Flex Base (Dens Cont)(Ty A, Gr 2,C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	50.00
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	4000
340.1	3" Hot Mix Asp (Ty D) Resurf Shoulder	Ton	91.68
340.2	6" Hot Mix Asphalt (Ty B)	Ton	
360.1	8" Conc Pavement (3000 PSI)	SY	4374.70
360.2	6" Conc Monolithic Curb(3000 PSI)	LF	1704
360.3	4" Non-Reinf Conc In Median(2000PSI)	SY	125.33
479.2	Adjust Manhole	EA	1
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc(3000PSI)	SY	
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2" PVC Conduit, Furnish & Install	LF	504
640.2	2" PVC Conduit, Furnish & Install	LF	504
640.3	3" PVC Conduit, Furnish & Install	LF	
640.4	Pull Box, Complete In Place	EA	3
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	48
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	27
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	240

LEGEND	
□	Survey Mark
○	Iron Pin
○	Manometer
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole(Typical Pole Symbol)
○	Power Line
○	Ray Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Face Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line(ROW)
○	Exemptions Line
○	Traffic Sign
○	Moist. Arm Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Face Line



B.M. # 14 R.R. Spike In 12" Willow Tree At 75' ± N. Of E. Belt Line & 250' E. Of E. Old Marsh Lane, ELEV. = 576.32



No.	Revision	Date
3	Chg. Median Opening & Median	11-12-80
2	Added Median Opening	10-23-80
1	Chg. Inlet Station	6-12-80

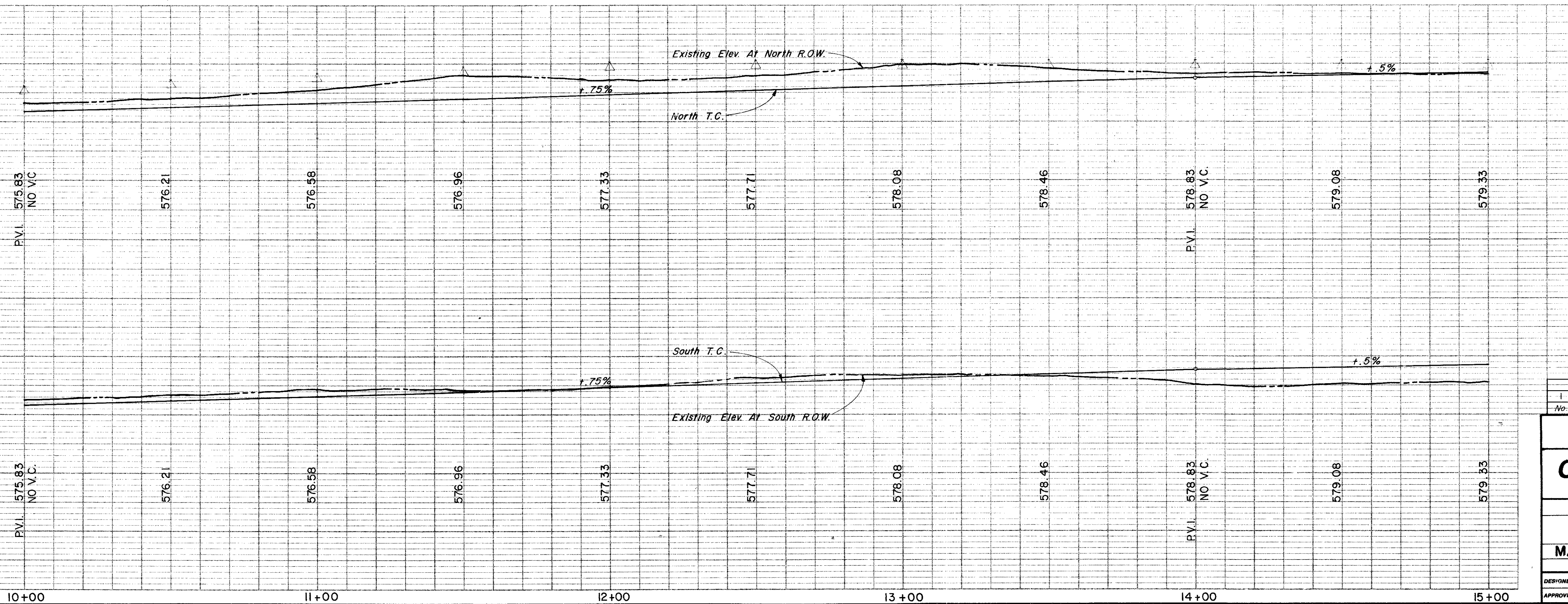
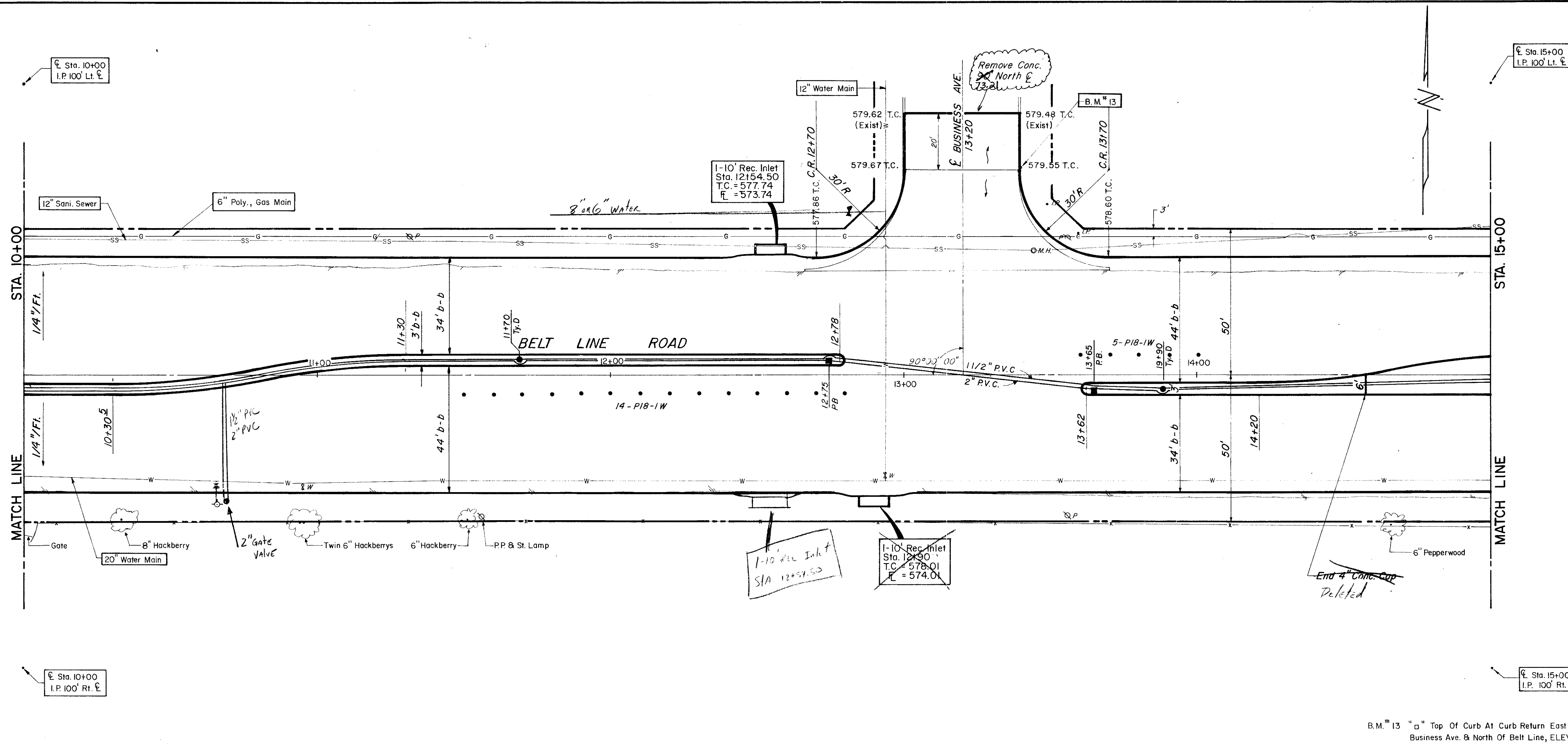
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 5+00 to 10+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED-H.B.J. DRAWN-B.H. DATE-MAY-1980 FILE  
 APPROVED-H.W.G. CHECKED-S.M. SCALE-H=1"=20'/V=1"=5' SHEET 7 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	287
104.2	Sawed Break-Out Groove	LF	40
110	Unclassified Road Excavation (Dens Cont.)	CY	4655
160	Placing 4" Topsoil	CY	17.43
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	46.59
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3817
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	77.01
340.2	6" Hot Mix Asphalt (Ty B)	Ton	329.15
360.1	6" Conc Pavement (3000 PSI)	SY	4595
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1874
360.3	4" Non-Reinf Conc in Median (2000 PSI)	SY	130
479.1	Adjust Water Valves	EA	2
479.2	Adjust Manhole	EA	1
640.5	2" P.V.C. S CH 40 (Conc. Encasement)	LF	45
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1 1/2" PVC Conduit, Furnish & Install	LF	505
640.2	2" PVC Conduit, Furnish & Install	LF	505
640.3	3" PVC Conduit, Furnish & Install	LF	
640.4	Pull Box, Complete in Place	EA	2
752.1	Traffic Buttons - Single Refl Ty P18 - 1 White	EA	48
752.2	Traffic Buttons - Single Refl Ty P18 - 1 White	EA	19
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	232

LEGEND	
○	Manhole
●	Iron Pin
○	Monument
MC	Gas Meter
W	Gas Valve
—	Gas Line
—	Power Line (Typical Pole Symbol)
—	Power Line
—	Telephone Line
—	Water Meter
—	Water Valve
—	Water Line
—	Fire Hydrant
—	Manhole
—	Sanitary Sewer Line
—	Fence Line
—	Flow Direction Indicator
—	Property or Right-of-Way Line (ROW)
—	Encasement Line
—	Traffic Pole Size
—	Mask Arm Pole Foundation (Type A or B)
—	Pedestal Pole Foundation (Type C)
—	Signal Illumination Pole Foundation (Type D)
T.C.	Top Of Curb
EL	Flow Line

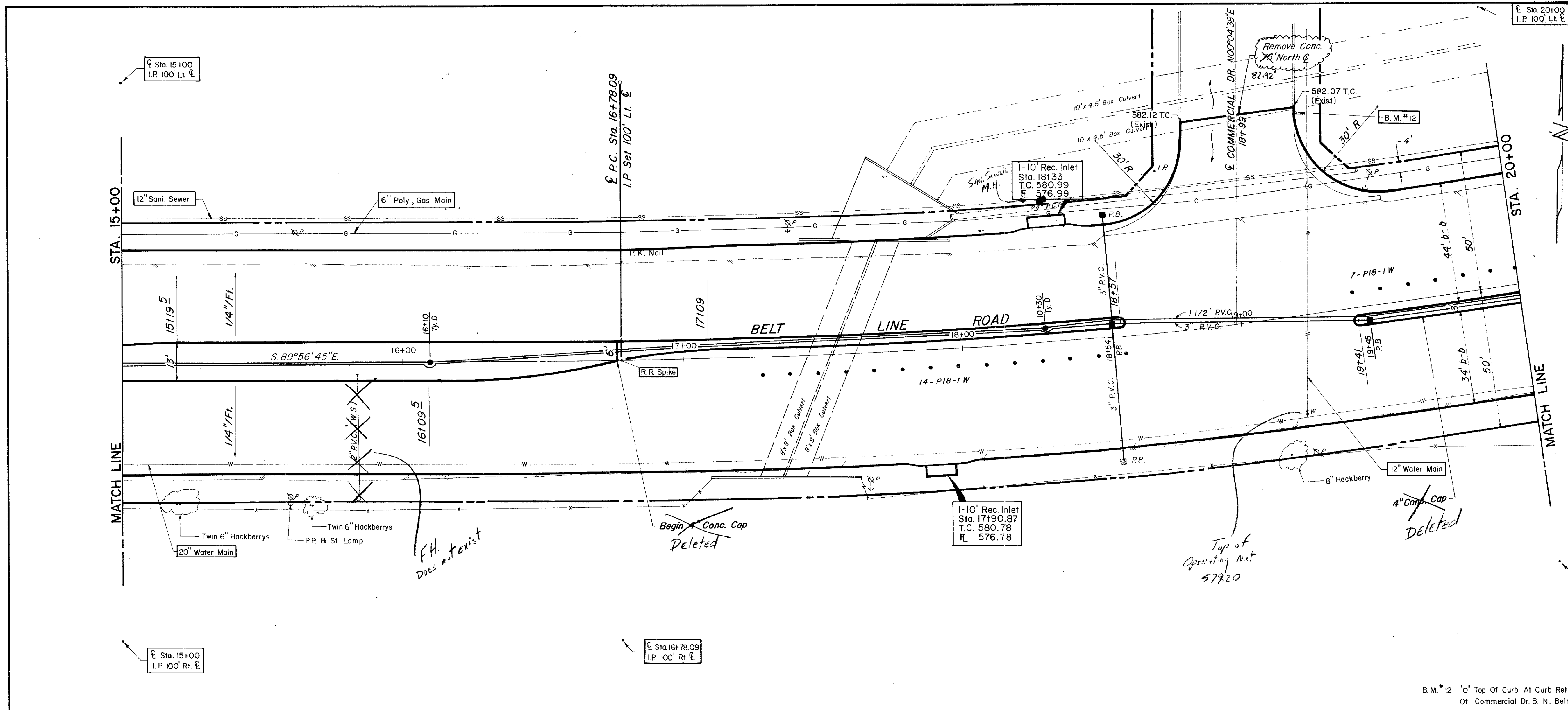


1	Chg. Median Opening	11-12-80	575
No.	Revision	Date	

**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 10+00 to 15+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED-H.B.J. DRAWN-B.H. DATE-MAY-1980 FILE  
 APPROVED-H.W.G. CHECKED-S.M. SCALE-H=1"=20'/V=1"=5' SHEET 8 OF

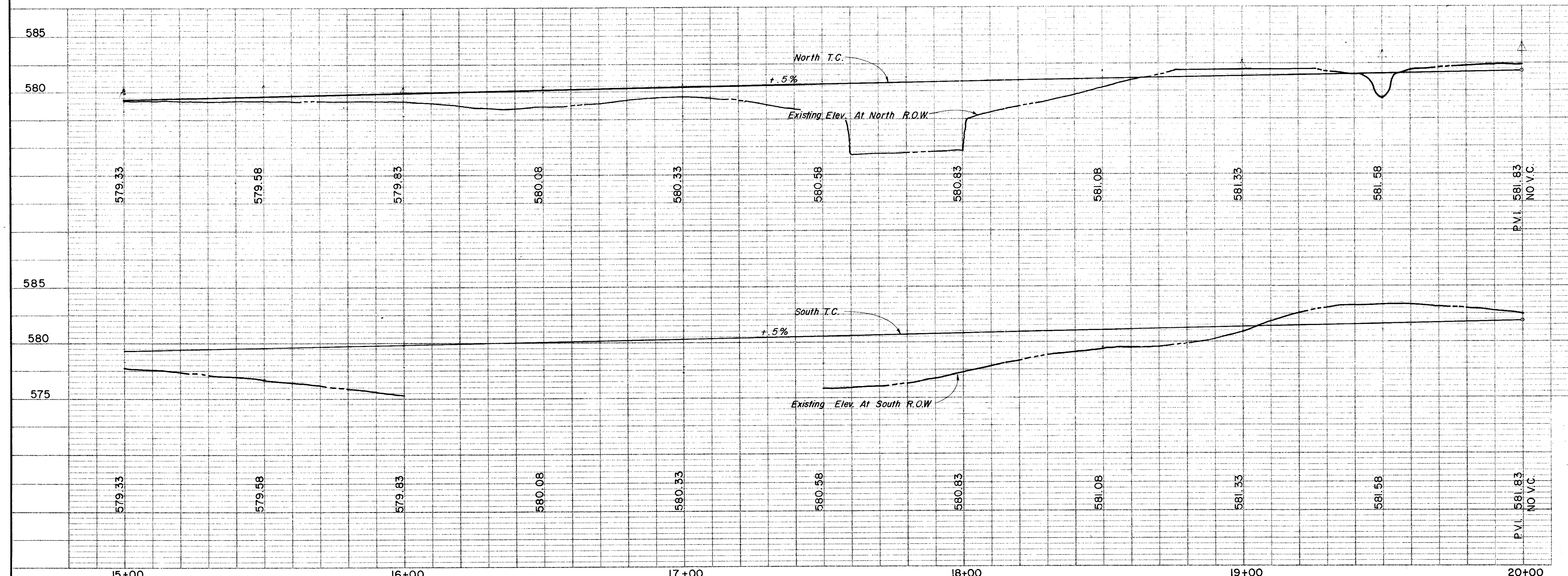




ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta	5
104.1	Remove Old Concrete, Pavement & Median	SY	223
104.2	Sawed Break-Out Groove	LF	41.5
110	Unclassified Road Excavation (Dens Cont.)	CY	2704
160	Placing 4\" Topsoil	CY	25.24
248	6\" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	45.90
260.2	6\" Lime Treated Subgrade (Dens Cont)	SY	3671.95
340.1	3\" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	77.01
340.2	6\" Hot Mix Asphalt (Ty B)	Ton	306.59
360.1	8\" Conc Pavement (3000 PSI)	SY	4382.04
360.2	6\" Conc Monolithic Curb (3000 PSI)	LF	1833
360.3	4\" Non-Reinf Conc In Median (2000PSI)	SY	87.15
479.1	Adjust Water Valves	EA	1
640.5	2\" PVC, SCH 40 (Conc Encasement)	L.F.	45
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5\" Reinf Conc (3000PSI)	SY	
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2\" PVC Conduit, Furnish & Install	LF	500
640.2	2\" PVC Conduit, Furnish & Install	LF	409
640.3	3\" PVC Conduit, Furnish & Install	LF	181
640.4	Pull Box, Complete in Place	EA	4
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	44
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	21
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	220

LEGEND	
□	Bench Mark
○	Iron Pin
○	Monument
⊕	Gas Meter
⊕	Gas Valve
⊕	Gas Line
⊕	Power Pole (Typical Pole Symbol)
⊕	Power Line
⊕	Guy Wire Anchor
⊕	Telephone Line
⊕	Water Meter
⊕	Water Valve
⊕	Water Line
⊕	Fire Hydrant
⊕	Manhole
⊕	Sanitary Sewer Line
⊕	Fence Line
⊕	Flow Direction Indicator
⊕	Property or Right-of-Way Line (R.O.W)
⊕	Easement Line
⊕	Traffic Pull Box
⊕	Block Arm Pole Foundation (Type A or B)
⊕	Pedestal Pole Foundation (Type C)
⊕	Signal Illumination Pole Foundation (Type D)
⊕	Top Of Curb
⊕	Flow Line

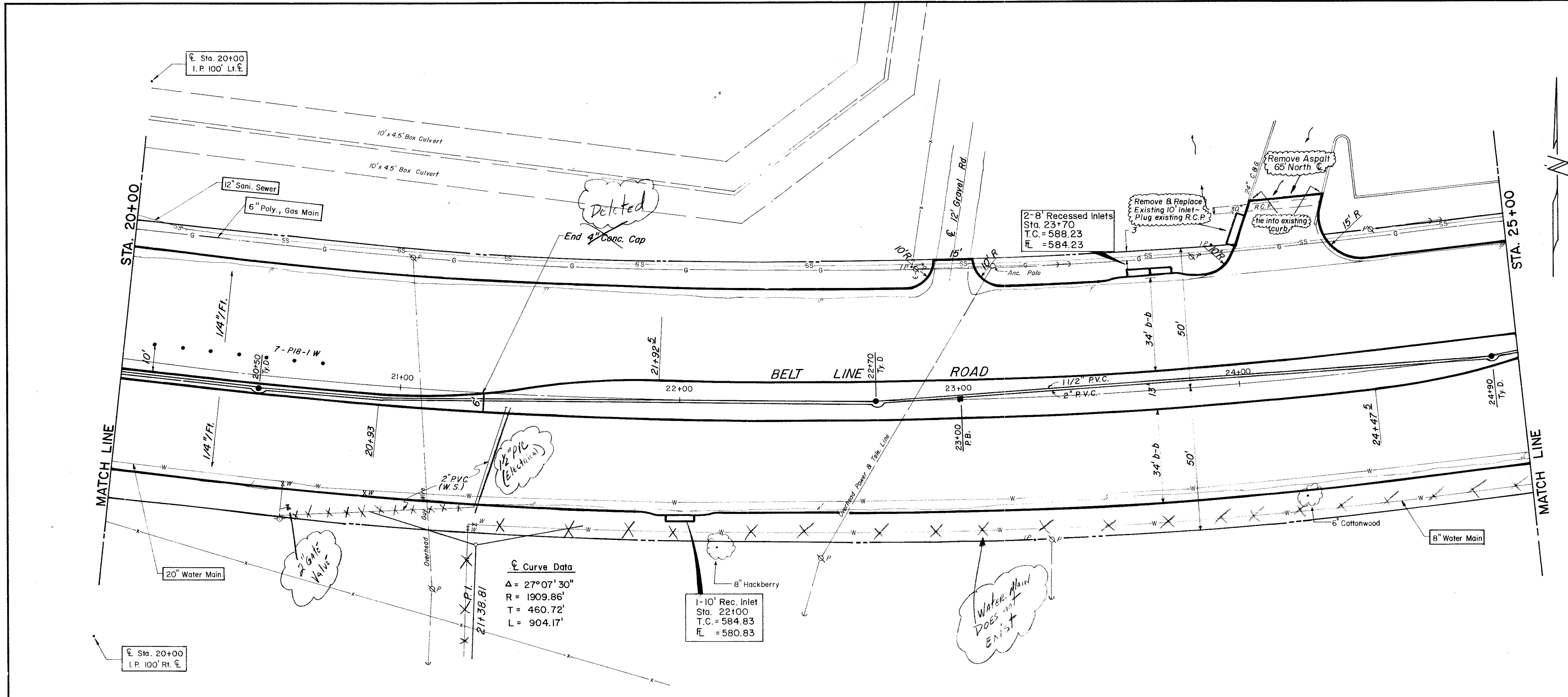
B.M. #12 "d" Top Of Curb At Curb Return East Side  
Of Commercial Dr & N. Belt Line, ELEV. = 582.16



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING STA. 15+00 TO 20+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

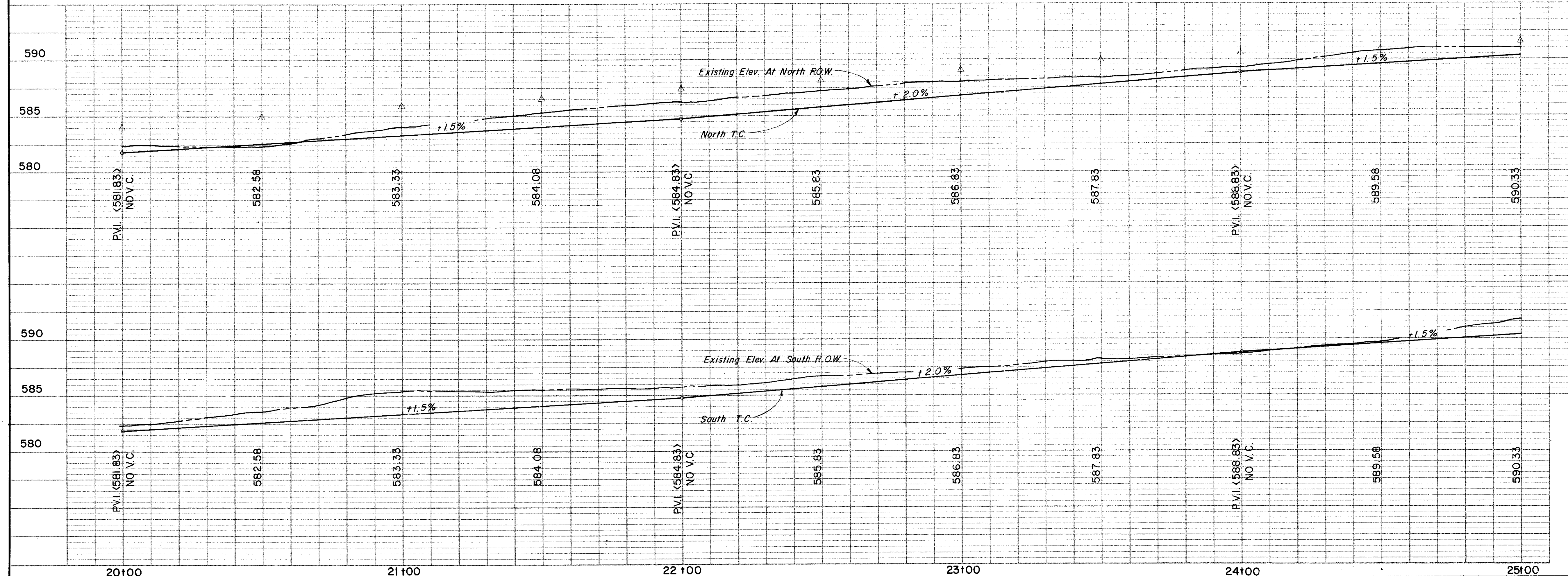
DESIGNED - H.B.J. DRAWN - B.H. DATE - MAY 1980 FILE  
 APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20' / V=1"=5' SHEET 9 OF





ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	—
104.2	Sawed Break-Out Groove	LF	24.5
110	Unclassified Road Excavation (Dens Cont.)	CY	4898
160	Placing 4" Topsoil	CY	56.20
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	CY	—
260.1	Lime (Ty A) Slurry Method	Ton	52.80
260.2	6" Lime Treated Subgrade (Dens Cont)	LF	4224.22
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	91.68
340.2	6" Hot Mix Asphalt (Ty B)	Ton	—
360.1	8" Conc Pavement (3000 PSI)	SY	3991.67
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1839
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	47.15
479.1	Adjust Water Valves	EA	2
640.5	2" PVC SCH 40 (Conc. Encasement)	LF	110
522	Conc Curb & Gutter Class A	LF	—
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	97.24
630.1	Foundation (Ty A) Traffic Sig In Place	EA	—
630.2	Foundation (Ty B) Traffic Sig In Place	EA	—
630.3	Foundation (Ty C) Traffic Sig In Place	EA	—
630.4	Foundation (Ty D) Illumination	EA	3
640.1	1/2" PVC Conduit, Furnish & Install	LF	500
640.2	2" PVC Conduit, Furnish & Install	LF	500
640.3	3" PVC Conduit, Furnish & Install	LF	—
640.4	Pull Box, Complete In Place	EA	1
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	52
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	7
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	260

LEGEND	
□	Bench Mark
○	Iron Pin
○	Monument
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Guy Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Fence Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (ROW)
○	Easement Line
○	Traffic Post Box
○	Mast Arm Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Flow Line



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**PAVING Sta. 20+00 to 25+00**  
**BELT LINE ROAD**  
**MARSH LANE TO NORTH DALLAS PKWY.**  
**GINN, INC., CONSULTING ENGINEERS**

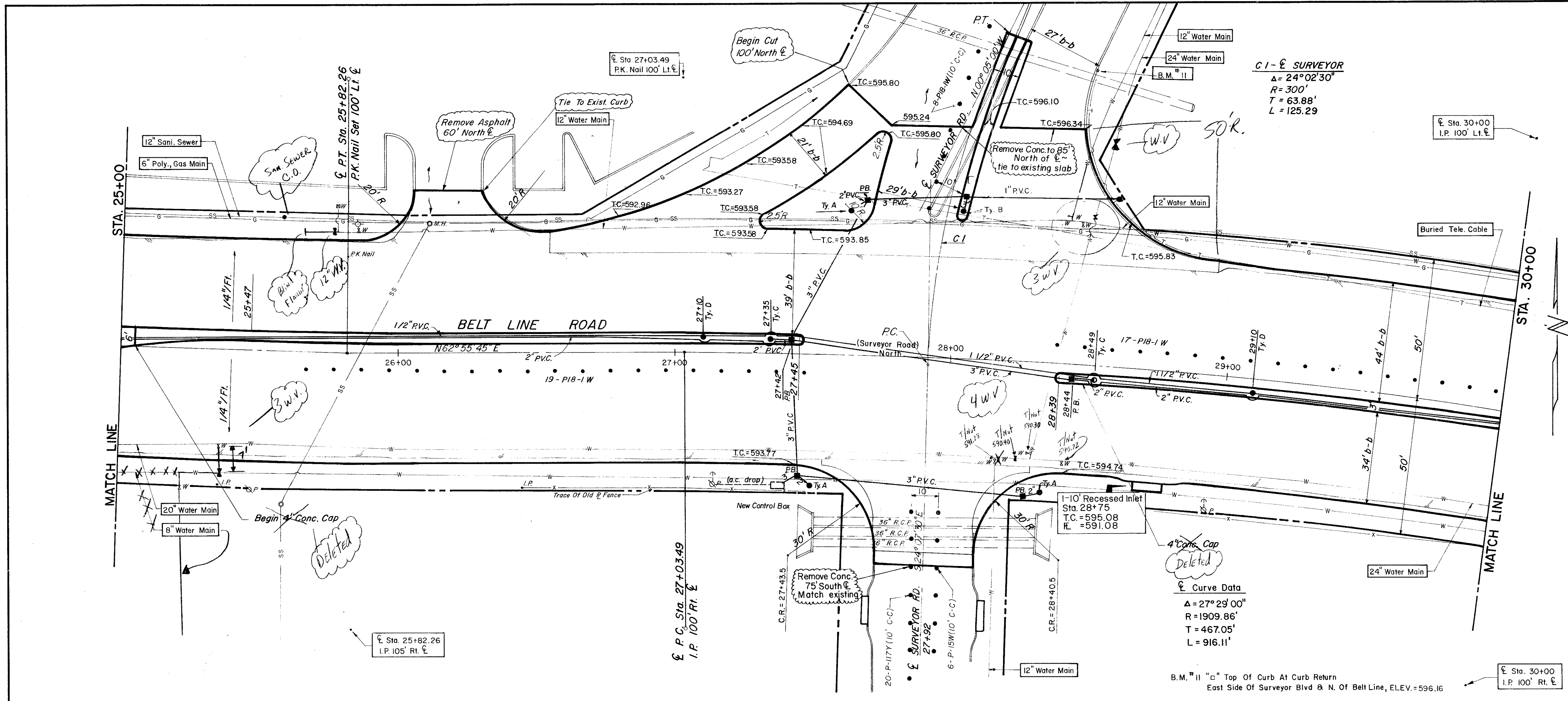
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 APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20' V=1"=5' SHEET 10 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta	5
104.1	Remove Old Concrete, Pavement & Median	SY	1109
104.2	Sawed Break-Out Groove	LF	223
110	Unclassified Road Excavation (Dens Cont.)	CY	3261
160	Placing 4" Topsoil	CY	
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	46.55
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3723.67
340.1	3" Hot Mix Asp (Ty D) Resurf Shoulder	Ton	75.17
340.2	6" Hot Mix Asphalt (Ty B)	Ton	555.82
360.1	8" Conc Pavement (3000 PSI)	SY	5185.25
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1960
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	161.48
479.1	Adjust Water Valve	EA	8
479.2	Adjust Manhole	EA	1
630.5	Signal Cont. Foundation	EA	1
752.3	Traffic Buttons Dal. Refl; Ty P117 Yellow	EA	20
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5 Reinf Conc (3000 PSI)	SY	73.27
630.1	Foundation (Ty A) Traffic Sig In Place	EA	3
630.2	Foundation (Ty B) Traffic Sig In Place	EA	1
630.3	Foundation (Ty C) Traffic Sig In Place	EA	2
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1 1/2" PVC Conduit, Furnish & Install	LF	500
640.2	2" PVC Conduit, Furnish & Install	LF	416
640.3	3" PVC Conduit, Furnish & Install	LF	334
640.4	Pull Box, Complete In Place	EA	5
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	46
752.2	Traffic Buttons-Single Refl Ty P18-1 White	EA	44
754.1	Traffic Buttons-Norrefl, Ty P7 White	EA	200

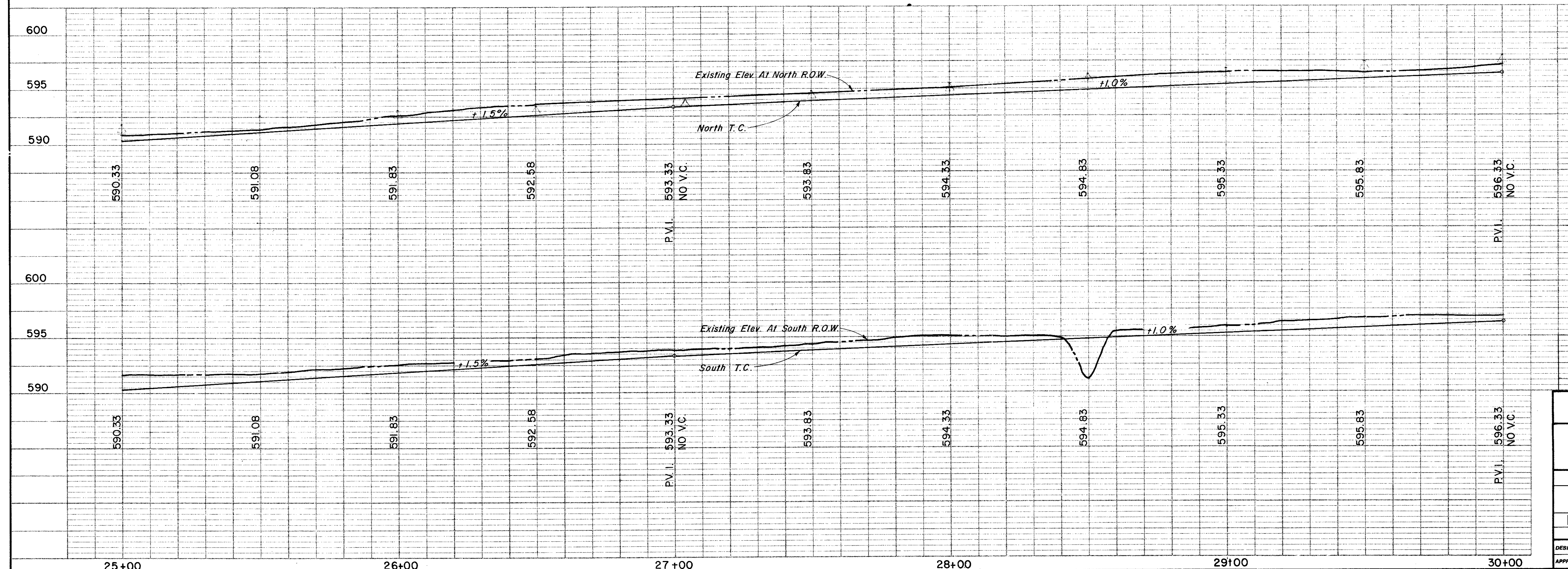
**LEGEND**

- Bench Mark
- Iron Pin
- Monument
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Power Line
- Guy Wire Anchor
- Telephone Line
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction Indicator
- Property or Right-of-Way Line (ROW)
- Easement Line
- Traffic Pull Box
- Mask Arm Pole Foundation (Type A or B)
- Pedestal Pole Foundation (Type C)
- Signal Illumination Pole Foundation (Type D)
- Top Of Curb
- Flow Line



**Curve Data**  
 $\Delta = 27^\circ 29' 00''$   
 $R = 1909.86'$   
 $T = 467.05'$   
 $L = 916.11'$

B.M. #11 "o" Top Of Curb At Curb Return  
 East Side Of Surveyor Blvd & N. Of Belt Line, ELEV. = 596.16



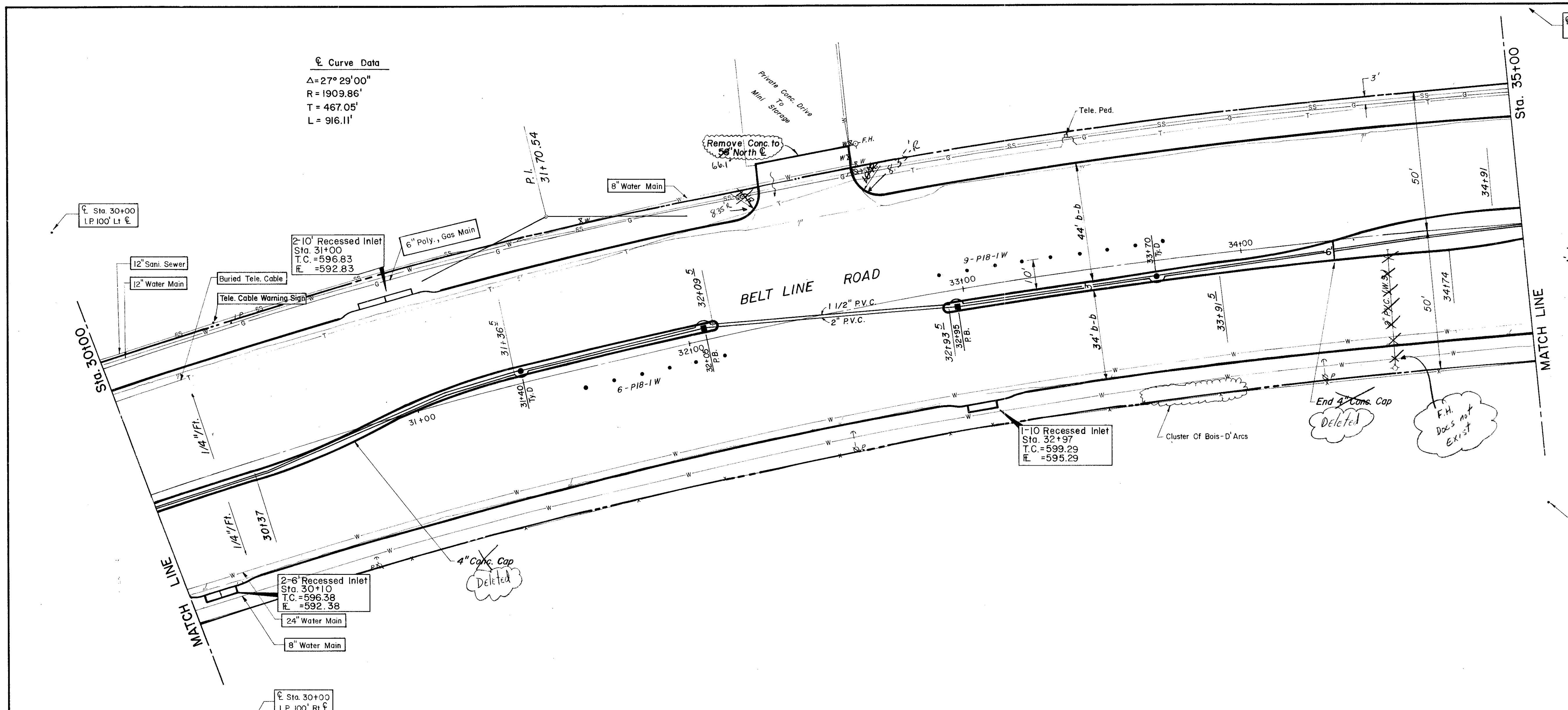
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

**PAVING Sta. 25+00 to 30+00**  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED-H.B.J. DRAWN-B.H. DATE-MAY 1980 FILE  
 APPROVED-H.W.G. CHECKED-S.M. SCALE-H=1"=20' V=1"=5' SHEET 11 OF

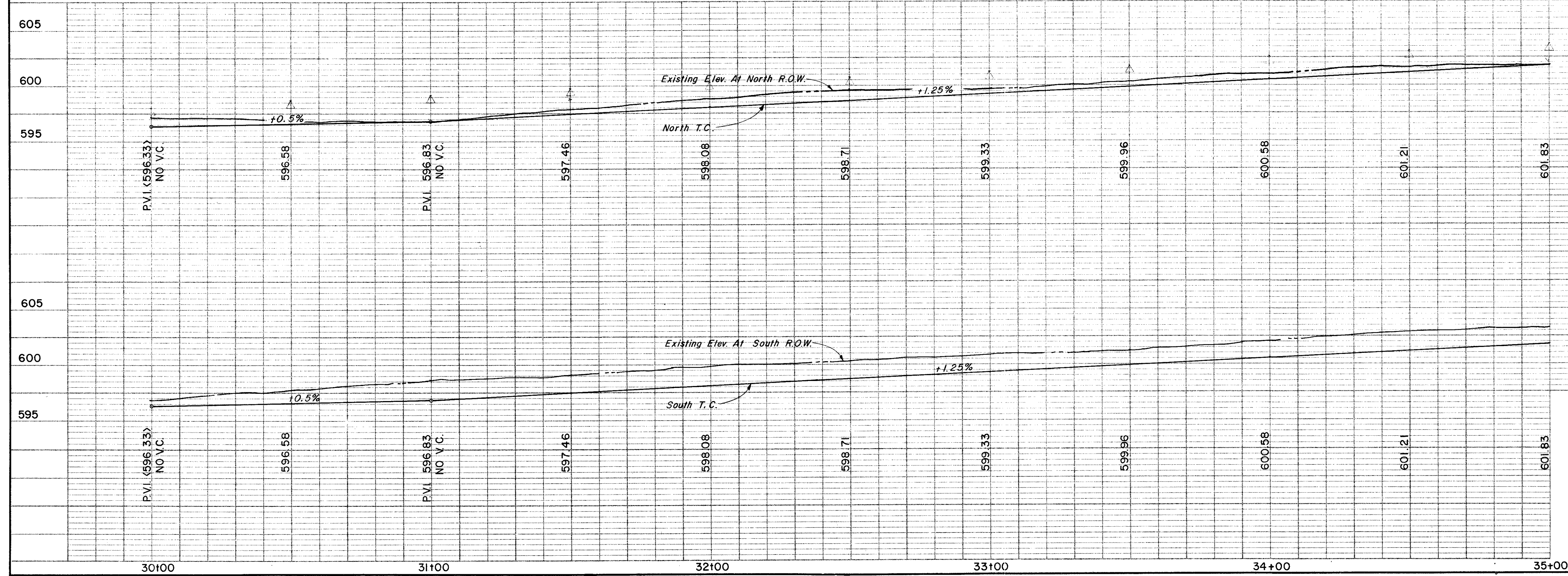


Curve Data  
 $\Delta = 27^\circ 29' 00''$   
 $R = 1909.86'$   
 $T = 467.05'$   
 $L = 916.11'$



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	—
104.2	Sawed Break-Out Groove	LF	34
110	Unclassified Road Excavation (Dens Cont.)	CY	4262
160	Placing 4\" Topsoil	CY	9.19
248	6\" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	CY	—
260.1	Lime (Ty A) Slurry Method	Ton	56.53
260.2	6\" Lime Treated Subgrade (Dens Cont)	SY	4522.73
340.1	3\" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	91.68
340.2	6\" Hot Mix Asphalt (Ty B)	Ton	—
360.1	8\" Conc Pavement (3000 PSI)	SY	4294.74
360.2	6\" Conc Monolithic Curb (3000 PSI)	LF	1693
360.3	4\" Non-Reinf Conc In Median (2000 PSI)	SY	120.98
479.1	Adjust Water Valve	EA	1
640.5	2\" PVC SCH 40 (Conc. Encasement)	LF	45
522	Conc Curb & Gutter Class A	LF	—
524	Conc Driveways, App 5 Reinf Conc (3000 PSI)	SY	72.82
630.1	Foundation (Ty A) Traffic Sig In Place	EA	—
630.2	Foundation (Ty B) Traffic Sig In Place	EA	—
630.3	Foundation (Ty C) Traffic Sig In Place	EA	—
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2\" PVC Conduit, Furnish & Install	LF	500
640.2	2\" PVC Conduit, Furnish & Install	LF	500
640.3	3\" PVC Conduit, Furnish & Install	LF	—
640.4	Pull Box, Complete In Place	EA	2
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	52
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	15
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	252

LEGEND	
□	Survey Mark
○	Iron Pin
→	Movement
—	Gas Main
—	Gas Valve
—	Gas Line
—	Power Pole (Typical Pole Symbol)
—	Power Line
—	Guy Wire Anchor
—	Telephone Line
—	Water Meter
—	Water Valve
—	Water Line
—	Fire Hydrant
—	Manhole
—	Sanitary Sewer Line
—	Fence Line
—	Flow Direction Indicator
—	Property or Right-of-Way Line (R.O.W)
—	Easement Line
—	Traffic Pole Size
—	Mon. Arm Pole Foundation (Type A or B)
—	Federal Pole Foundation (Type C)
—	Signal Illumination Pole Foundation (Type D)
T.C.	Top of Curb
E	Flow Line



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 30+00 to 35+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20' / V=1"=5' SHEET 12 OF

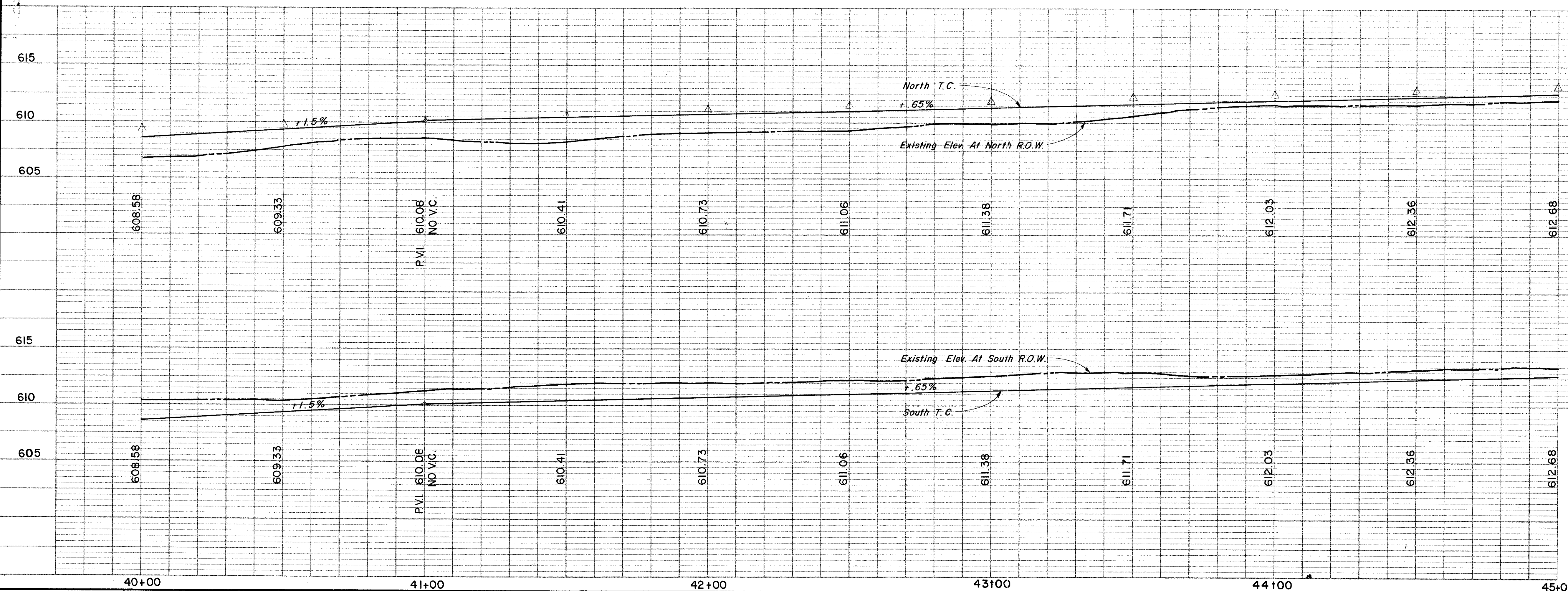
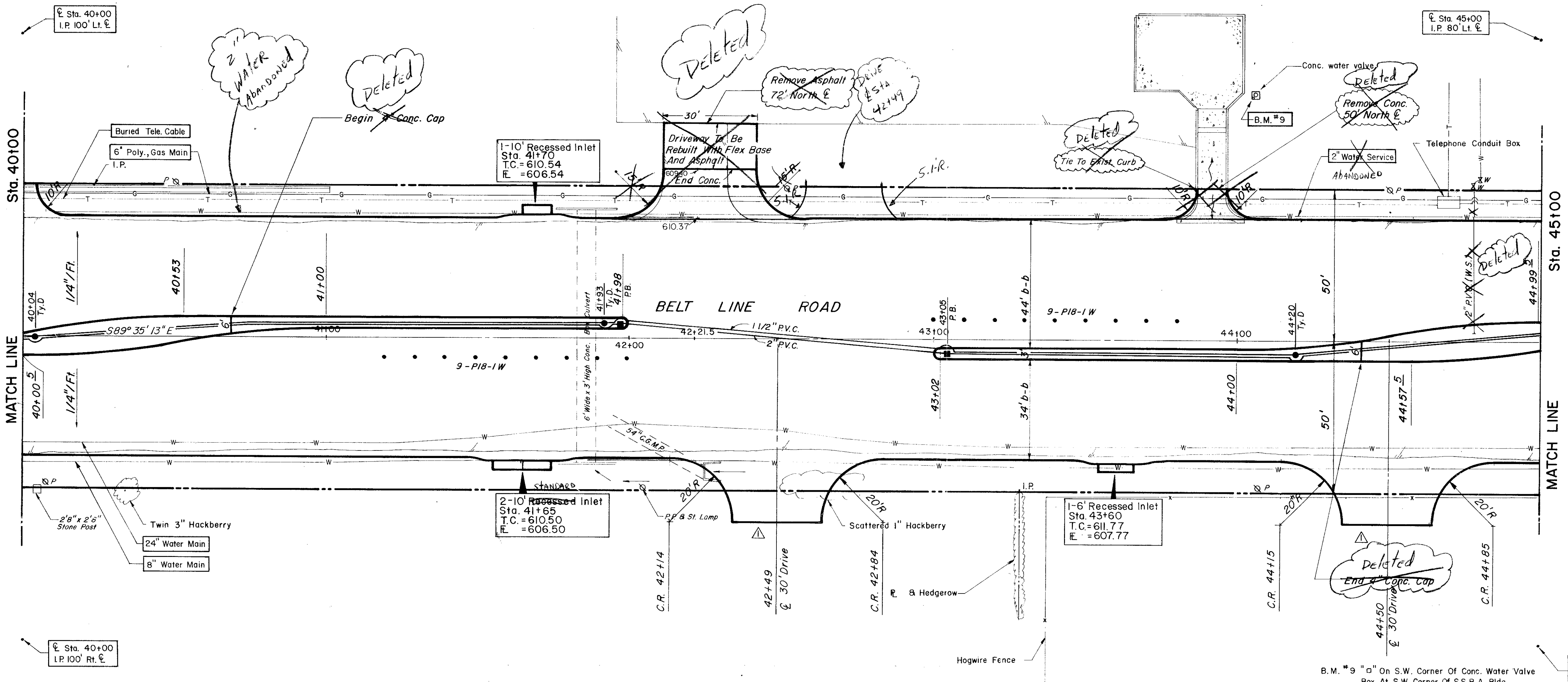






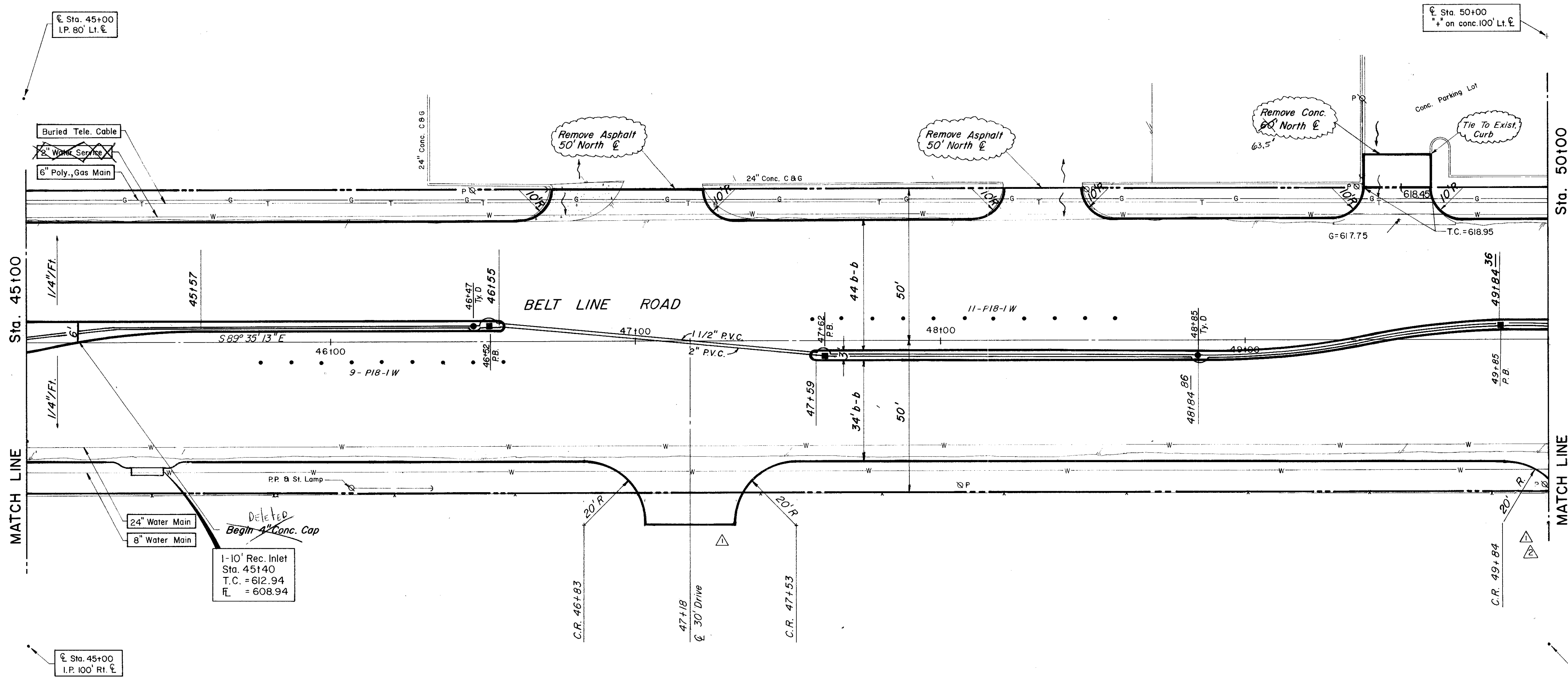
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	LF	45
104.2	Sawed Break-Out Groove	CY	261.8
110	Unclassified Road Excavation(Dens Cont.)	CY	16.27
248	6" Flex Base (Dens Cont)(Ty A, Gr 2,C13)	TY	10
260.1	Lime (TyA) Slurry Method	SY	55.97
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	4477.22
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	73.34
340.2	6" Hot Mix Asphalt (Ty B)	Ton	
360.1	8" Conc Pavement (3000 PSI)	SY	4255
360.2	6" Conc Monolithic Curb(3000 PSI)	LF	1473
360.3	4" Non-Reinf Conc In Median(2000PSI)	SY	100.96
340.3	2" Hot Mix Asphalt(Ty D)Transition	Ton	6.05
640.5	2" PVC SCH 40 (Conc. Encasement)	L.F	45
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, App 5" Reinf Conc(3000PSI)	SY	249.19
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	3
640.1	1/2" PVC Conduit, Furnish & Install	LF	500
640.2	2" PVC Conduit, Furnish & Install	LF	500
640.3	3" PVC Conduit, Furnish & Install	LF	
640.4	Pull Box, Complete In Place	EA	2
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	52
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	18
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	252

LEGEND	
□	Sheet Mark
○	Line Pin
⊕	Monument
⊕	Gas Meter
⊕	Gas Valve
⊕	Gas Line
⊕	Power Pole(Typical Pole Symbol)
⊕	Power Line
⊕	Gay Wire Anchor
⊕	Telephone Line
⊕	Water Meter
⊕	Water Valve
⊕	Water Line
⊕	Fire Hydrant
⊕	Manhole
⊕	Sanitary Sewer Line
⊕	Fence Line
⊕	Flow Direction Indicator
⊕	Property or Right-of-Way Line(R.O.W)
⊕	Easement Line
⊕	Traffic Pole Base
⊕	Mast Arm Pole Foundation (Type A or B)
⊕	Pedestal Pole Foundation (Type C)
⊕	Signal Illumination Pole Foundation (Type D)
⊕	Top Of Curb
⊕	Flow Line



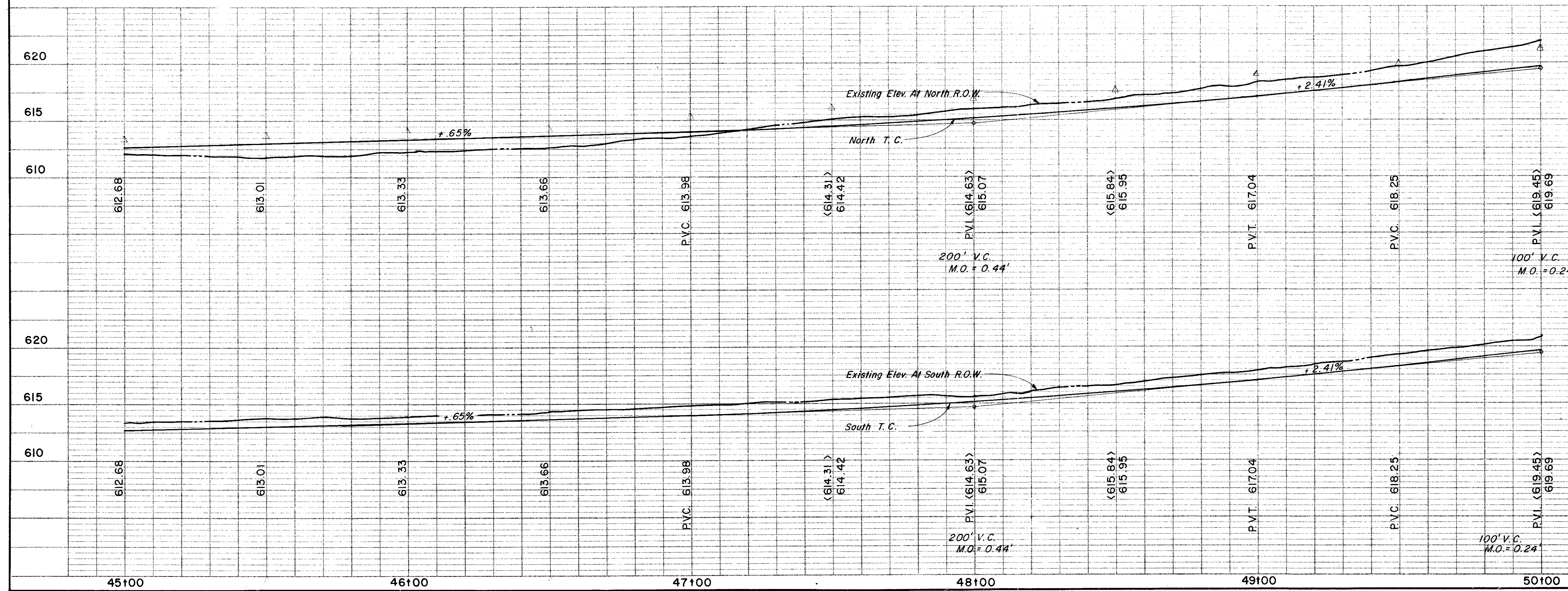
CITY OF ADDISON		
COUNTY OF DALLAS, TEXAS		
DEPARTMENT OF PUBLIC WORKS		
PAVING Sta. 40+00 to 45+00		
BELT LINE ROAD		
MARSH LANE TO NORTH DALLAS PKWY.		
GINN, INC., CONSULTING ENGINEERS		
DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY - 1980
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - H=1"=20'/V=1"=5'
No. _____		Date 2/25/81
Revision _____		





ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	---
104.2	Sawed Break-Out Groove	LF	99
110	Unclassified Road Excavation (Dens Cont.)	CY	3602
160	Pricing 4\" Topsoil	CY	---
248	6\" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	CY	---
260.1	Lime (Ty A) Slurry Method	Ton	57.08
260.2	6\" Lime Treated Subgrade (Dens Cont)	SY	4566.73
340.1	3\" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	73.34
340.2	6\" Hot Mix Asphalt (Ty B)	Ton	---
360.1	8\" Conc Pavement (3000 PSI)	SY	4341.49
360.2	6\" Conc Monolithic Curb (3000 PSI)	LF	1550
360.3	4\" Non-Reinf Conc In Median (2000 PSI)	SY	131.48
522	Conc Curb & Gutter Class A	LF	---
524	Conc Driveways, Appr 5\" Reinf Conc (3000 PSI)	SY	244.94
630.1	Foundation (Ty A) Traffic Sig In Place	EA	---
630.2	Foundation (Ty B) Traffic Sig In Place	EA	---
630.3	Foundation (Ty C) Traffic Sig In Place	EA	---
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2\" PVC Conduit, Furnish & Install	LF	500
640.2	2\" PVC Conduit, Furnish & Install	LF	500
640.3	3\" PVC Conduit, Furnish & Install	LF	---
640.4	Pull Box, Complete In Place	EA	3
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	48
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	20
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	240

LEGEND	
□	Beach Mark
○	Iron Pin
○	Manhole
⊗	Gas Meter
⊗	Gas Valve
⊗	Gas Line
⊗	Power Pole (Typical Pole Symbol)
⊗	Power Line
⊗	Guy Wire Anchor
⊗	Telephone Line
⊗	Water Meter
⊗	Water Valve
⊗	Water Line
⊗	Fire Hydrant
⊗	Manhole
⊗	Sanitary Sewer Line
⊗	Fence Line
⊗	Flow Direction Indicator
⊗	Property or Right-of-Way Line (R.O.W)
⊗	Excavation Line
⊗	Traffic Pull Box
⊗	Mark Arm Pole Foundation (Type A or B)
⊗	Pedestal Pole Foundation (Type C)
⊗	Signal Illumination Pole Foundation (Type D)
⊗	Top of Curb
⊗	Flow Line



△	Move drive 5' East	3-4-81
△	Add Drives - 47+18, 50+14 & Chd. Qty	2/25/81
No.	Revision	Date

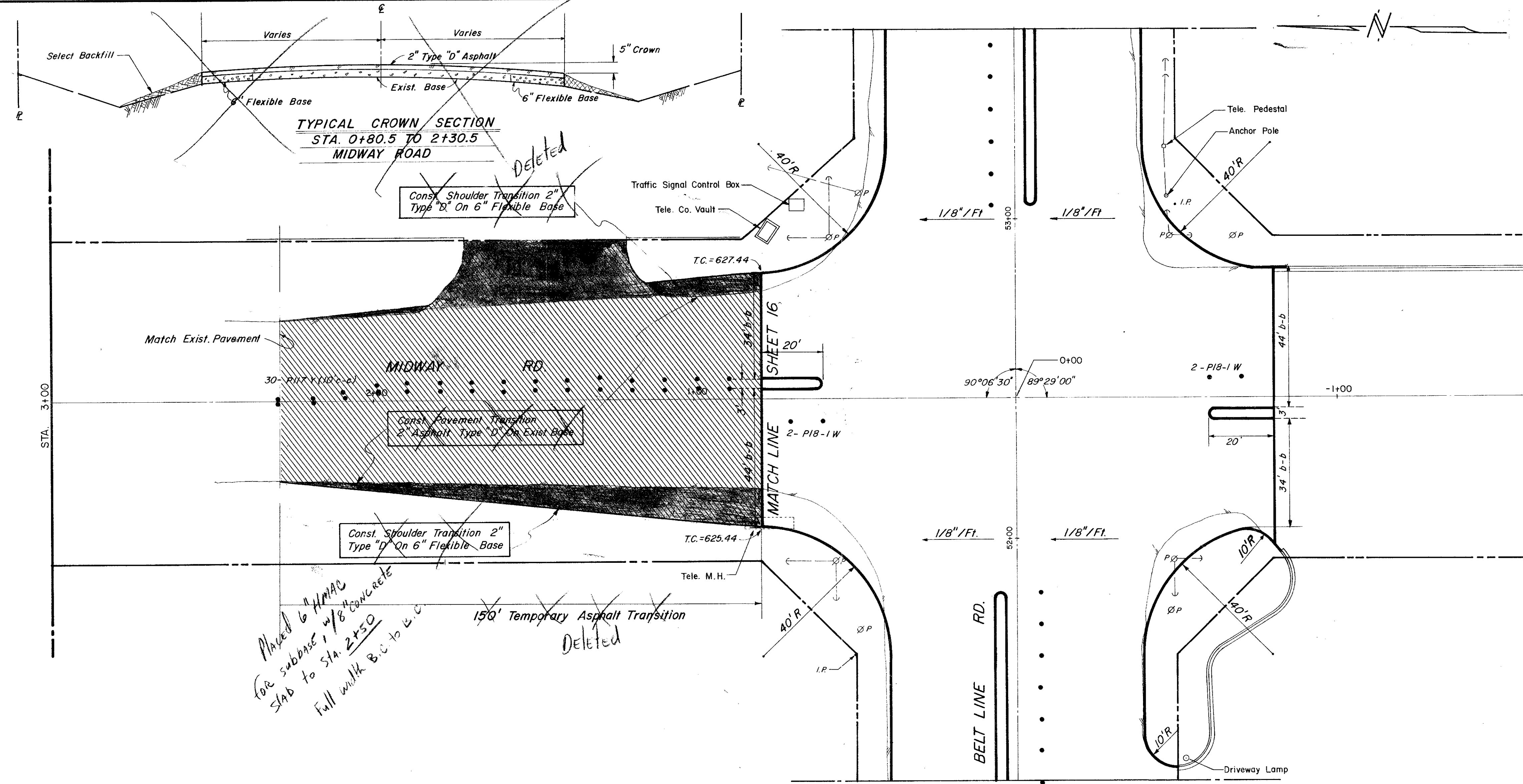
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**PAVING Sta. 45+00 to 50+00**  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - HWG. CHECKED - B.H. SCALE - H=1"=20'/V=1"=5' SHEET 15 OF



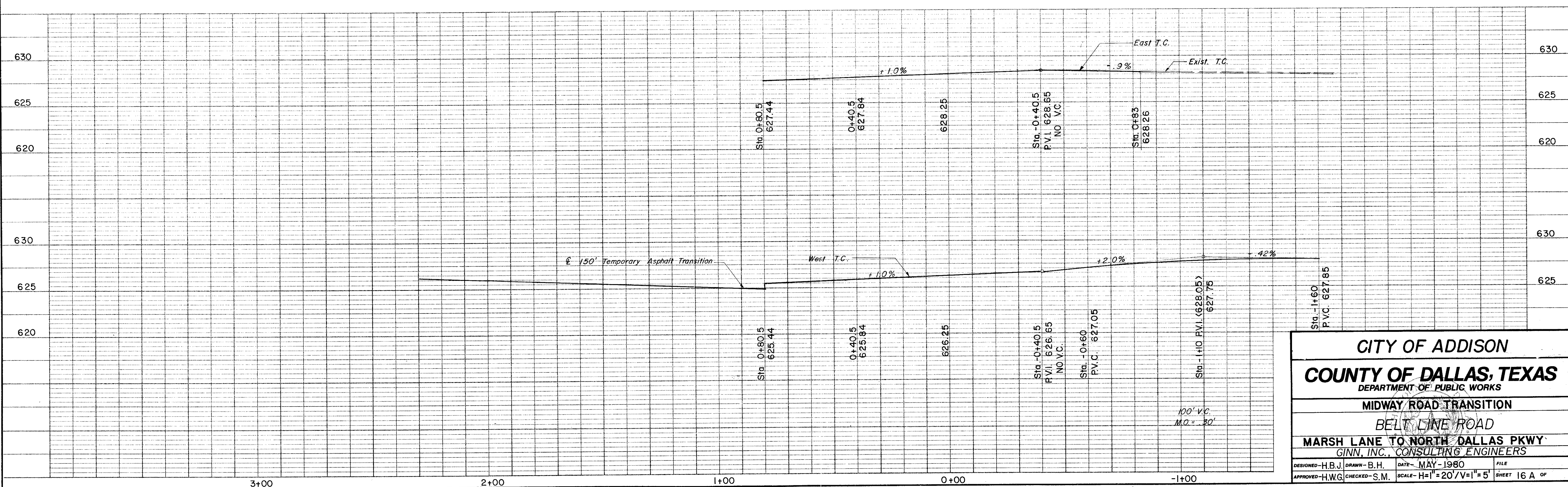






ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100.	Prepare Roadway R.O.W	Sta.	---
104.1	Remove Old Concrete, Pavement & Median	SY	---
104.2	Sawed Break-Out Groove	LF	60
110	Unclassified Road Excavation(Dens Cont.)	CY	---
160	Placing 4" Topsoil	CY	---
248	6" Flex Base (Dens Cont)(Ty A, Gr 2, C13)	CY	30
260.1	Lime (Ty A) Slurry Method	Ton	---
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	---
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	---
340.2	6" Hot Mix Asphalt (Ty B)	Ton	---
360.1	8" Conc Pavement (3000 PSI)	SY	---
360.2	6" Conc Monolithic Curb(3000 PSI)	LF	---
360.3	4" Non-Reinf Conc In Median(2000PSI)	SY	---
340.3	2" Hot Mix Asphalt(Ty D) Transition	Ton	220.08
752.3	Traffic Buttons - Dbl Refl., Ty P17 Yellow	EA	30
522	Conc Curb & Gutter Class A	LF	---
524	Conc Driveways, Appr 5" Reinf Conc(3000PSI)	SY	---
630.1	Foundation (Ty A) Traffic Sig In Place	EA	---
630.2	Foundation (Ty B) Traffic Sig In Place	EA	---
630.3	Foundation (Ty C) Traffic Sig In Place	EA	---
630.4	Foundation (Ty D) Illumination	EA	---
640.1	1/2" PVC Conduit, Furnish & Install	LF	---
640.2	2" PVC Conduit, Furnish & Install	LF	---
640.3	3" PVC Conduit, Furnish & Install	LF	---
640.4	Pull Box, Complete In Place	EA	---
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	---
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	4
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	---

LEGEND	
□	Beach Mark
○	Iron Pin
○	Monument
⊗	Gas Meter
⊕	Gas Valve
⊖	Gas Line
⊗	Power Pole (Typical Pole Symbol)
—	Power Line
—	Guy Wire Anchor
—	Telephone Line
—	Water Meter
—	Water Valve
—	Water Line
—	Fire Hydrant
—	Manhole
—	Sanitary Sewer Line
—	Fence Line
—	Flow Direction Indicator
—	Property or Right-of-Way Line(R.O.W)
—	Easement Line
■	Traffic Pull Box
●	Monolith Pole Foundation (Type A or B)
●	Pedestal Pole Foundation (Type C)
●	Signal Illumination Pole Foundation (Type D)
T.C.	Top Of Curb
—	Flow Line



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

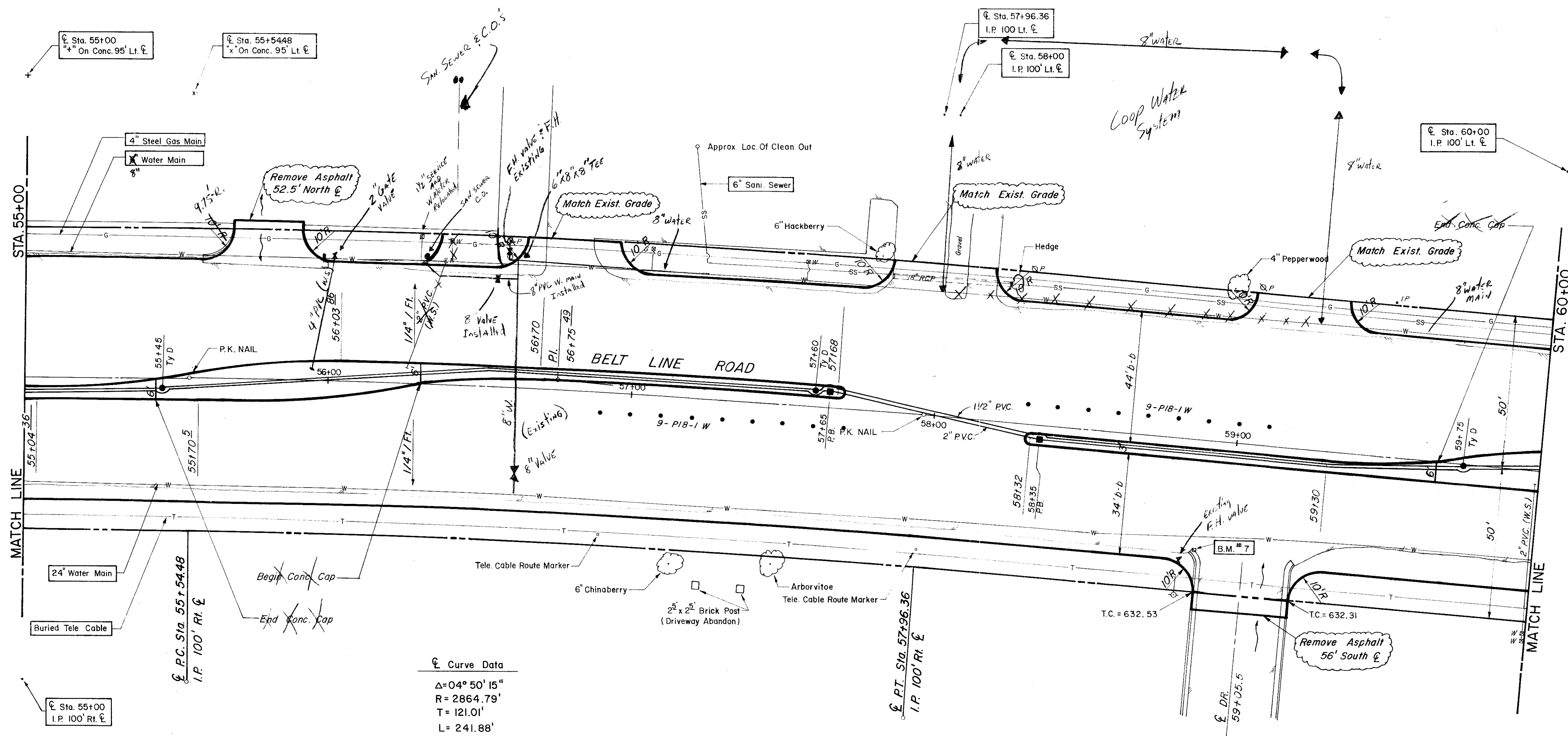
**MIDWAY ROAD TRANSITION**  
**BELT LINE ROAD**  
**MARSH LANE TO NORTH DALLAS PKWY**  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - H=1"=20'/V=1"=5'	SHEET 16 A OF



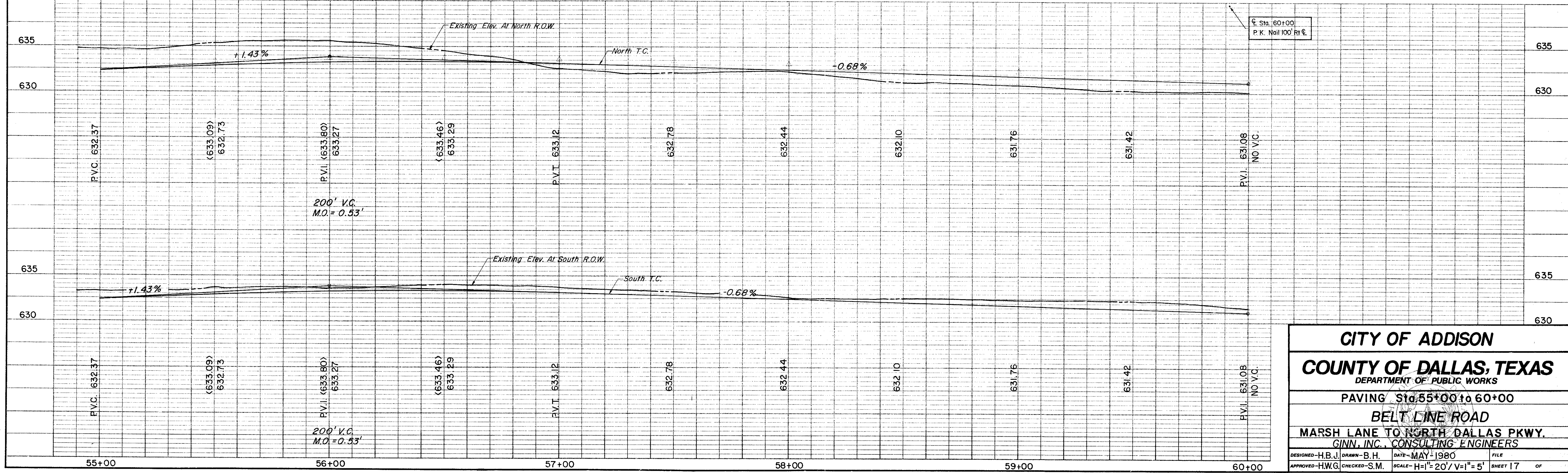
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta	5
104.1	Remove Old Concrete, Pavement & Median	SY	—
104.2	Sawed Break-Out Groove	LF	151.5
110	Unclassified Road Excavation (Dens Cont.)	CY	2394
160	Placing 4" Topsoil	CY	13.59
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, C13)	CY	—
260.1	Lime (Ty A) Slurry Method	Ton	56.05
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	4483.61
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	91.68
340.2	6" Hot Mix Asphalt (Ty B)	Ton	—
360.1	8" Conc Pavement (3000 PSI)	SY	4252.51
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1609
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	100.96
479.1	Adjust Water Valves	EA	1
640.5	2" PVC SCH 40 (Conc. Encasement)	LF	90
522	Conc Curb & Gutter Class A	LF	—
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	211.86
630.1	Foundation (Ty A) Traffic Sig In Place	EA	—
630.2	Foundation (Ty B) Traffic Sig In Place	EA	—
630.3	Foundation (Ty C) Traffic Sig In Place	EA	—
630.4	Foundation (Ty D) Illumination	EA	3
640.1	1/2" PVC Conduit, Furnish & Install	LF	500
640.2	2" PVC Conduit, Furnish & Install	LF	500
640.3	3" PVC Conduit, Furnish & Install	LF	—
640.4	Pull Box, Complete In Place	EA	2
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	48
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	18
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	240

LEGEND	
○	Beach Mark
●	Top Pin
○	Monument
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Gay Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Face Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (ROW)
○	Easement Line
○	Traffic Post Box
○	Mask Arm Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Signed Illumination Pole Foundation (Type D)
○	Top of Curb
○	Flow Line



Curve Data  
 $\Delta = 04^\circ 50' 15''$   
 $R = 2864.79'$   
 $T = 121.01'$   
 $L = 241.88'$

B.M. # 7 "d" Top of Curb At Curb Return, West Side Of Westmost Drive Into Victoria Station And Belt Line. ELEV = 633.05



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 55+00 to 60+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC. CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - B.H. DATE - MAY 1980 FILE  
 APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20' V=1"=5' SHEET 17 OF



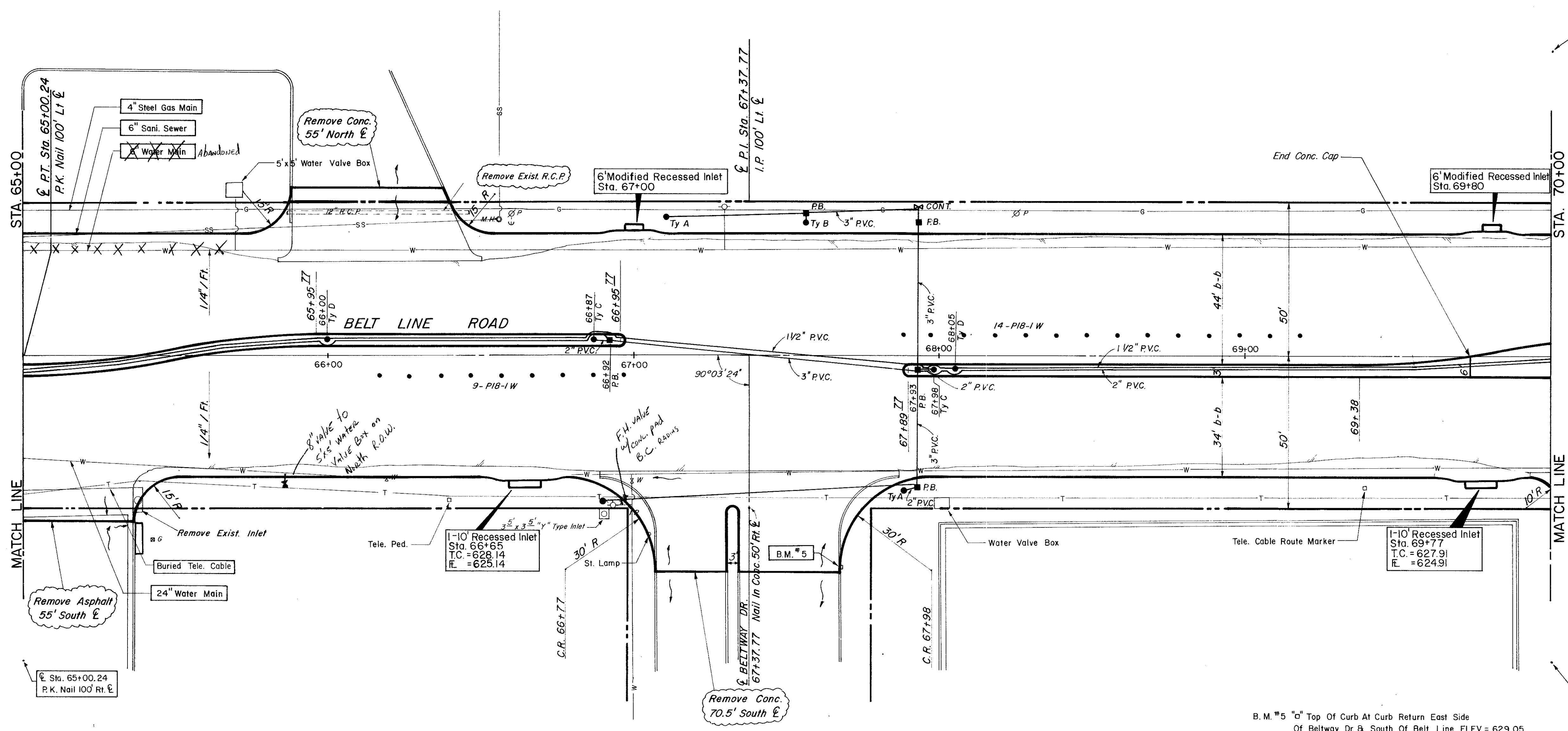




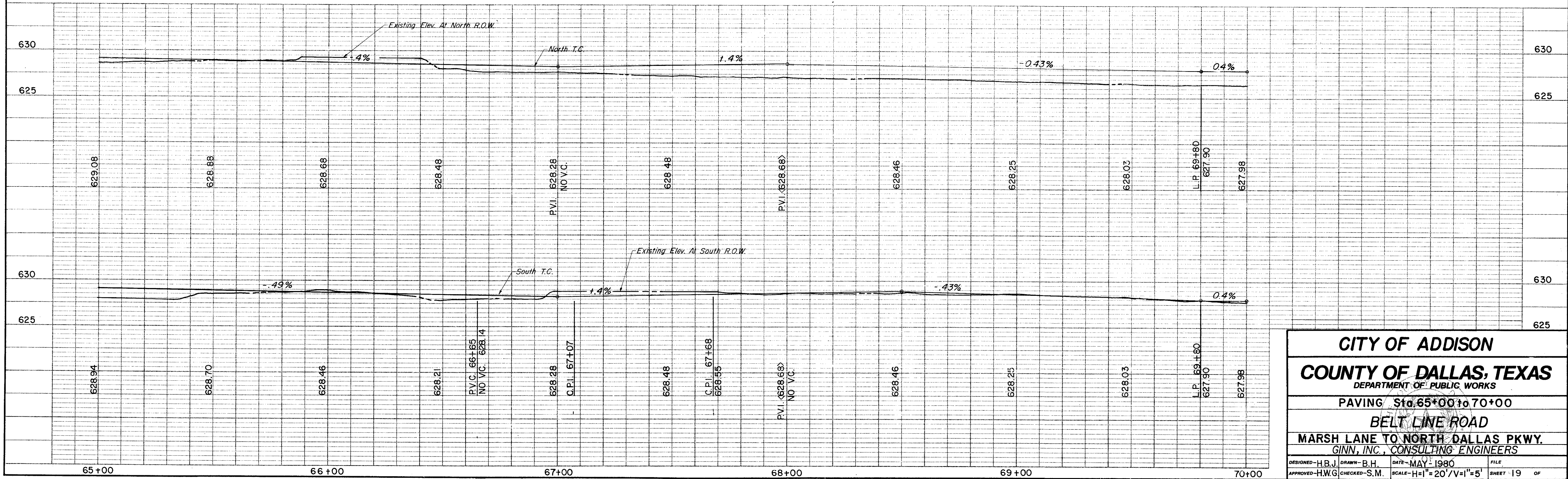
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100.	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	239
104.2	Sawed Break-Out Groove	LF	146
110	Unclassified Road Excavation (Dens Cont.)	CY	2154
160	Placing 4" Topsoil	CY	1.88
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	46.89
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3751.40
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	75.17
340.2	6" Hot Mix Asphalt (Ty B)	Ton	349.70
360.1	8" Conc Pavement (3000 PSI)	SY	4590.99
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1578
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	139.82
479.2	Adjust Manhole	EA	3
630.5	Signal Cont. Foundation	EA	1
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	174.52
630.1	Foundation (Ty A) Traffic Sig In Place	EA	2
630.2	Foundation (Ty B) Traffic Sig In Place	EA	1
630.3	Foundation (Ty C) Traffic Sig In Place	EA	2
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2" PVC Conduit, Furnish & Install	LF	500
640.2	2" PVC Conduit, Furnish & Install	LF	419
640.3	3" PVC Conduit, Furnish & Install	LF	276
640.4	Pull Box, Complete In Place	EA	5
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	44
752.2	Traffic Buttons-Single Refl Ty P13-I White	EA	23
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	220

**LEGEND**

- Bench Mark
- Iron Pin
- Manhole
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Power Line
- Guy Wire Anchor
- Telephone Line
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction Indicator
- Property or Right-of-Way Line (ROAD)
- Easement Line
- Traffic Post Box
- Mark Arm Pole Foundation (Type A or B)
- Pedestal Pole Foundation (Type C)
- Signal Illumination Pole Foundation (Type D)
- Top Of Curb
- Flow Line



B.M. #5 "d" Top Of Curb At Curb Return East Side Of Beltway Dr. & South Of Belt Line. ELEV. = 629.05



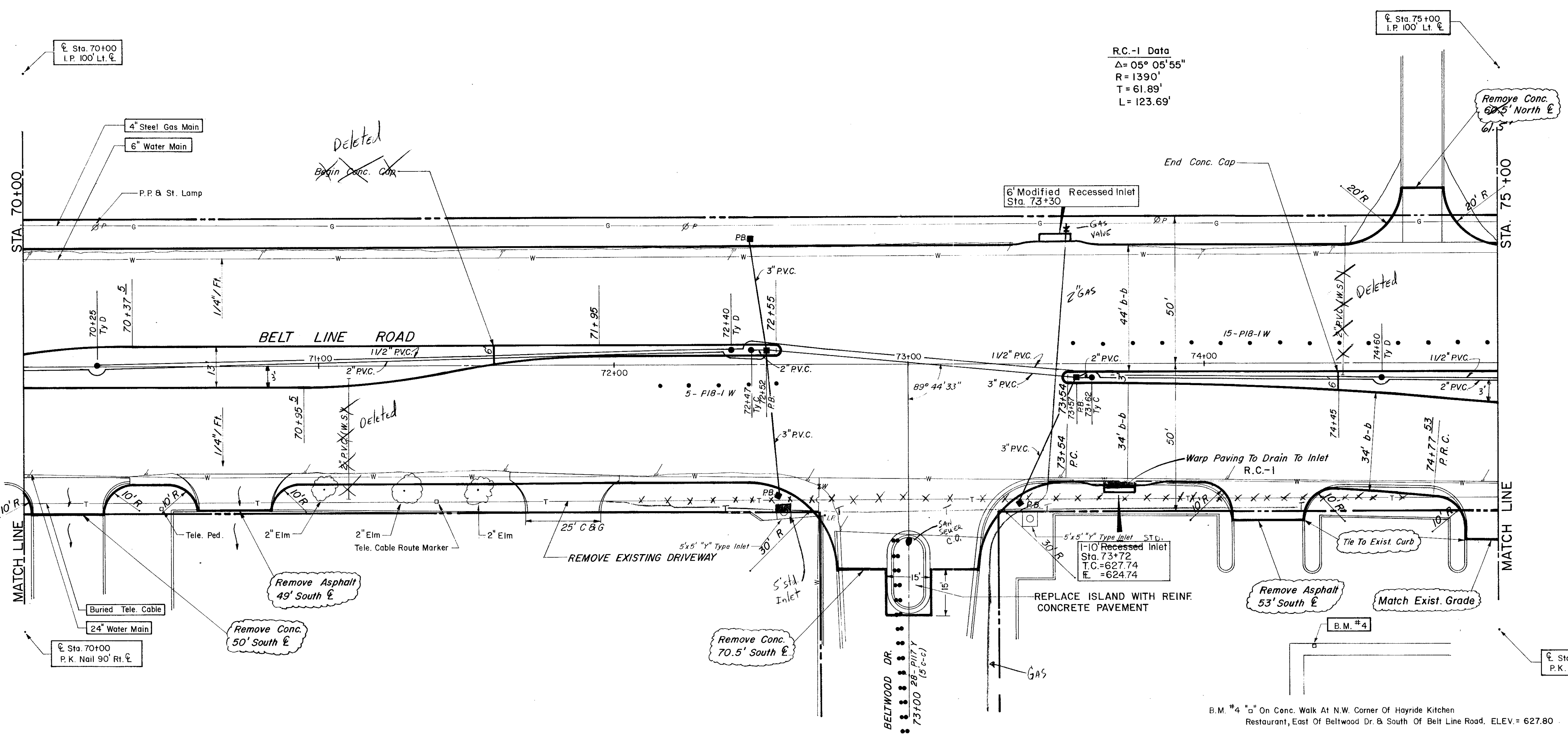
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 65+00 to 70+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - B.H. DATE - MAY - 1980 FILE  
 APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20' V=1"=5' SHEET 19 OF

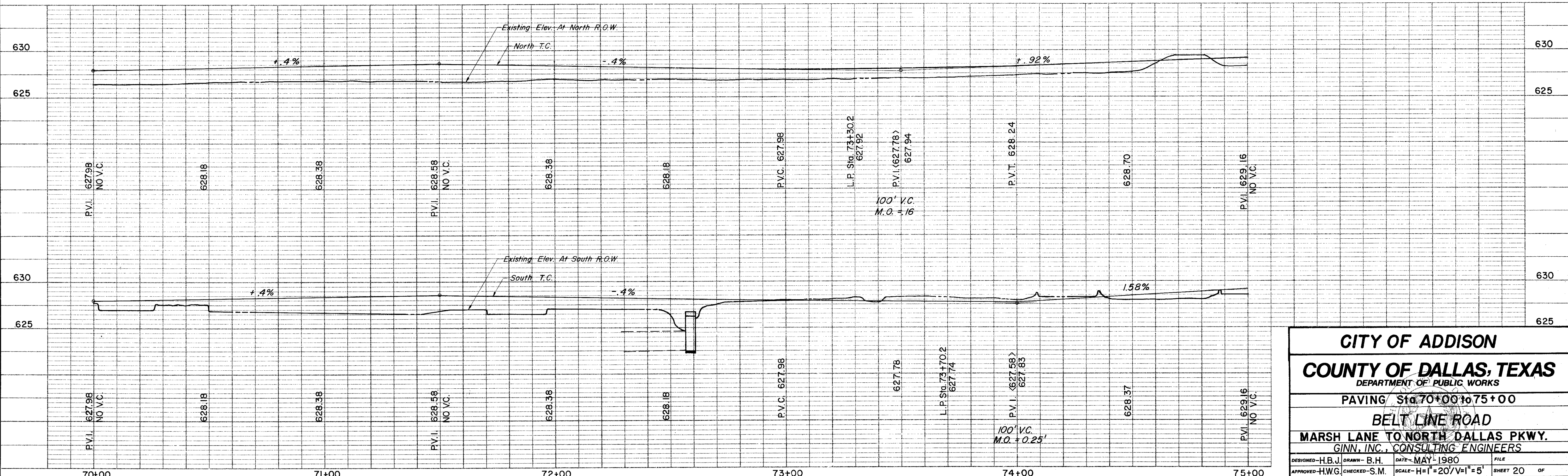


ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	125
104.2	Sawed Break-Out Groove	LF	178
110	Unclassified Road Excavation (Dens Cont.)	CY	1886
160	Placing 4" Topsoil	CY	28.84
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, Cl 3)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	44.40
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3551.95
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	74.26
340.2	6" Hot Mix Asphalt (Ty B)	Ton	361.98
360.1	8" Conc Pavement (3000 PSI)	SY	4434.86
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1571
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	68.15
479.1	Adjust Water Valves	EA	1
640.5	2" P.V.C. SCH 40 (Conc. Encasement)	LF	90
752.3	Traffic Buttons - Dbl. Refl, Ty P17 Yellow	EA	28
522	Conc Curb & Gutter Class A	LF	25
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	151.42
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	2
630.4	Foundation (Ty D) Illumination	EA	3
640.1	1/2" PVC Conduit, Furnish & Install	LF	500
640.2	2" PVC Conduit, Furnish & Install	LF	405
640.3	3" PVC Conduit, Furnish & Install	LF	240
640.4	Pull Box, Complete In Place	EA	5
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	48
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	20
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	252

LEGEND	
□	Dens Mark
○	Iron Pin
⊙	Manhole
⊕	5/8" Meter
⊖	Gas Valve
⊗	Gas Line
⊘	Power Pole (Typical Pole Symbol)
⊙	Power Line
⊙	Telephone Line
⊙	Water Meter
⊙	Water Valve
⊙	Water Line
⊙	Fire Hydrant
⊙	Manhole
⊙	Sanitary Sewer Line
⊙	Fence Line
⊙	Flow Direction Indicator
⊙	Property or Right-of-Way Line (ROW)
⊙	Equipment Line
⊙	Traffic Pull Box
⊙	Mon. Arm Pole Foundation (Type A or B)
⊙	Pole Foundation (Type C)
⊙	Signal (Structural Pole Foundation (Type D))
T.C.	Top Of Curb
F.L.	Flow Line



B.M. #4 "a" On Conc. Walk At N.W. Corner Of Hayride Kitchen Restaurant, East Of Beltwood Dr. & South Of Belt Line Road. ELEV. = 627.80



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 70+00 to 75+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - B.H. DATE - MAY-1980 FILE  
 APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20'/V=1"=5' SHEET 20 OF



STA 75+00

MATCH LINE

R.C. - 1  
Δ = 5° 05' 55"  
R = 1390'  
T = 61.89'  
L = 123.69'

BELT LINE ROAD

Match Exist. Grade

VALLEY GUTTER  
1-10" Std. Inlet  
Sta. 76+59  
T.C. = 630.50  
R = 626.50  
R.C. - 2  
Δ = 16° 39' 52"  
R = 250'  
T = 36.61  
L = 72.71

STA. 77+56.34

STA. 77+56.34

550' Transition

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

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STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

STA. 77+56.34

Match Exist. Grade

STA. 80+00

MATCH LINE

STA. 80+85

SHEET 27

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	2200
104.2	Sawed Break-Out Groove	LF	643
110	Unclassified Road Excavation (Dens Cont.)	CY	1632
160	Placing 4" Topsoil	CY	35.15
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	57.86
260.2	6" Lime Treated Subgrade (Dens Cont.)	SY	4628.58
340.1	3" Hot Mix Asphalt (Ty D) Resurf. Shoulder	Ton	83.85
340.2	6" Hot Mix Asphalt (Ty B)	Ton	211.71
360.1	8" Conc. Pavement (3000 PSI)	SY	5118.11
360.2	6" Conc. Monolithic Curb (3000 PSI)	LF	1795
360.3	4" Non-Reinf. Conc. In Median (2000 PSI)	SY	200.59
360.5	Conc. R/R Header	LF	195
479.1	Adjust. Water Valves	EA	5
479.2	Adjust. Manhole	EA	3
690.5	2" PVC. SCH 40 (Conc. Encasement)	LF	50'
630.5	Signal Cont. Foundation	EA	1
522	Conc. Curb & Gutter Class A	LF	
524	Conc. Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	62.30
630.1	Foundation (Ty A) Traffic Sig In Place	EA	2
630.2	Foundation (Ty B) Traffic Sig In Place	EA	1
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2" PVC Conduit, Furnish & Install	LF	300
640.2	2" PVC Conduit, Furnish & Install	LF	412
640.3	3" PVC Conduit, Furnish & Install	LF	273
640.4	Pull Box, Complete In Place	EA	6
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	44
752.2	Traffic Buttons - Single Refl Ty P18-White	EA	41
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	220

LEGEND

- Bench Mark
- Iron Pin
- Manometer
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Guy Wire Anchor
- Telephone Line
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction Indicator
- Property or Right-of-Way Line (R.O.W.)
- Easement Line
- Traffic Pole
- Metal Pole Foundation (Type A or B)
- Pedestal Pole Foundation (Type C)
- Signal Illumination Pole Foundation (Type D)
- Top of Curb
- Flow Line

**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING STA. 75+00 TO 80+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20' V=1"=5' SHEET 21 OF

75+00

76+00

77+00

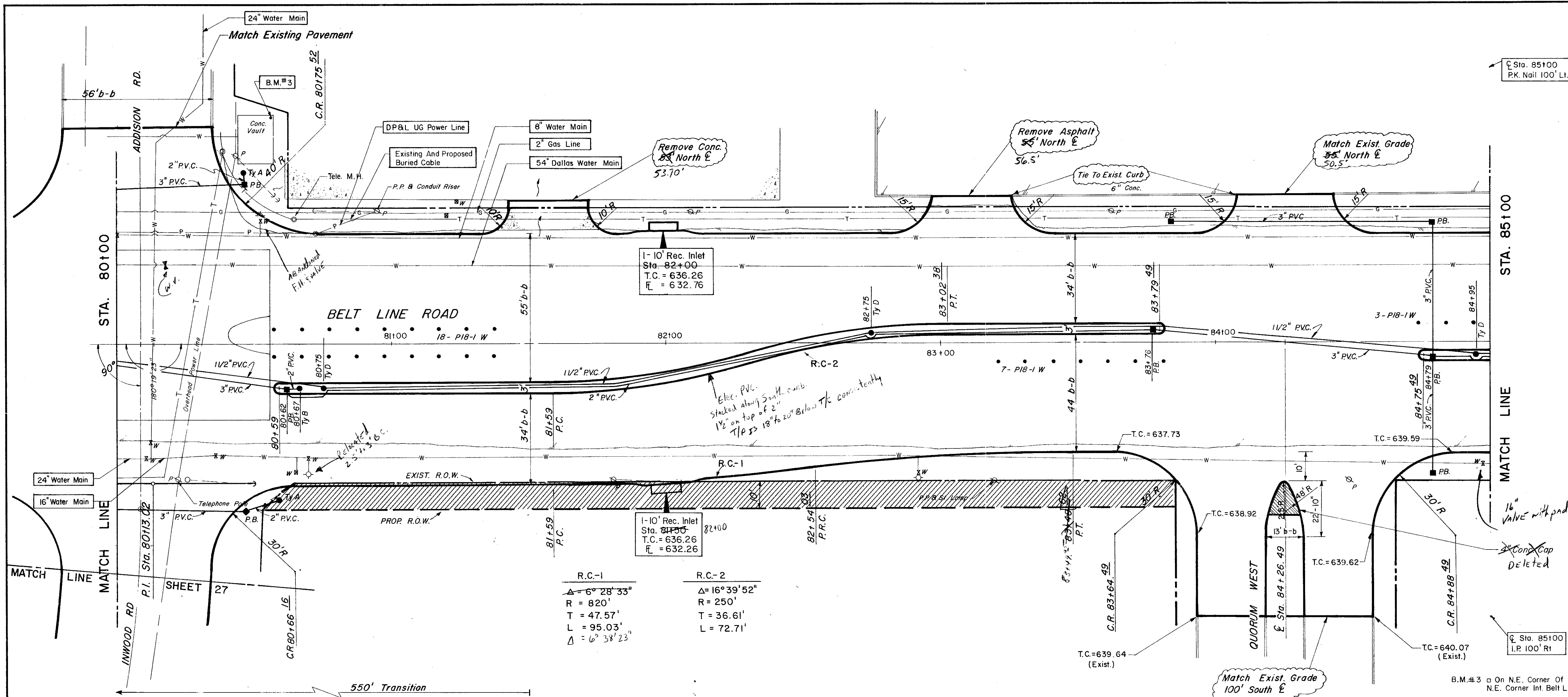
78+00

79+00

80+00

TOP OF MEDIAN CURB GRADES SHOWN ARE ALONG BACK OF MEDIAN CURBS  
CROSS-FALL OF STREET TO VARY TO MEET THESE GRADES

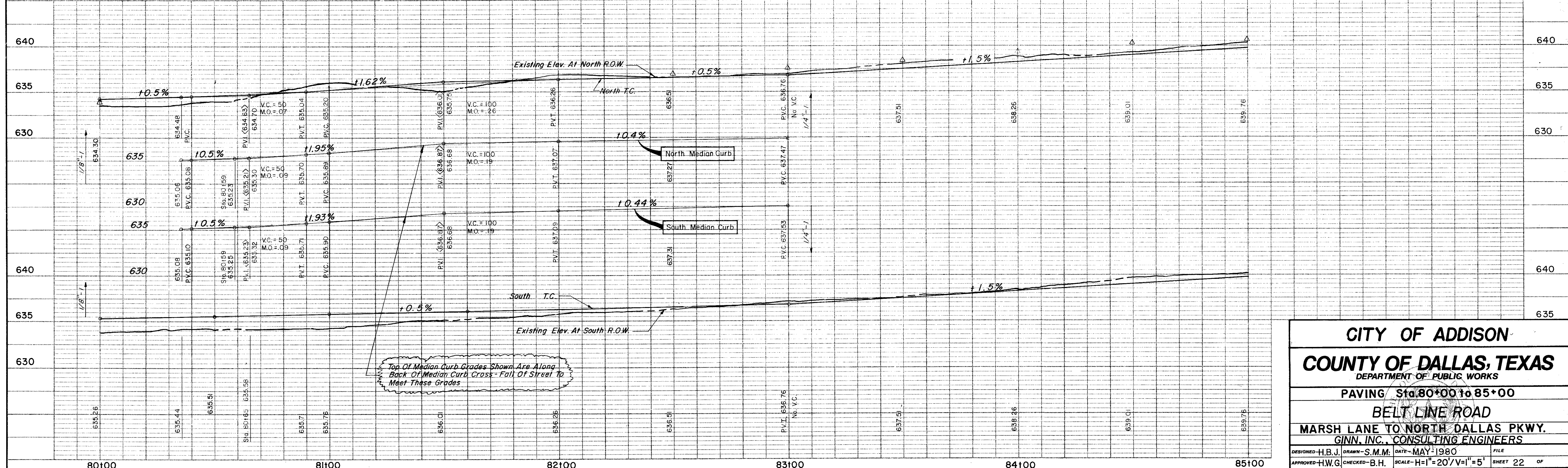




ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	95
110	Unclassified Road Excavation (Dens Cont.)	CY	2344
160	Placing 4\"/>		

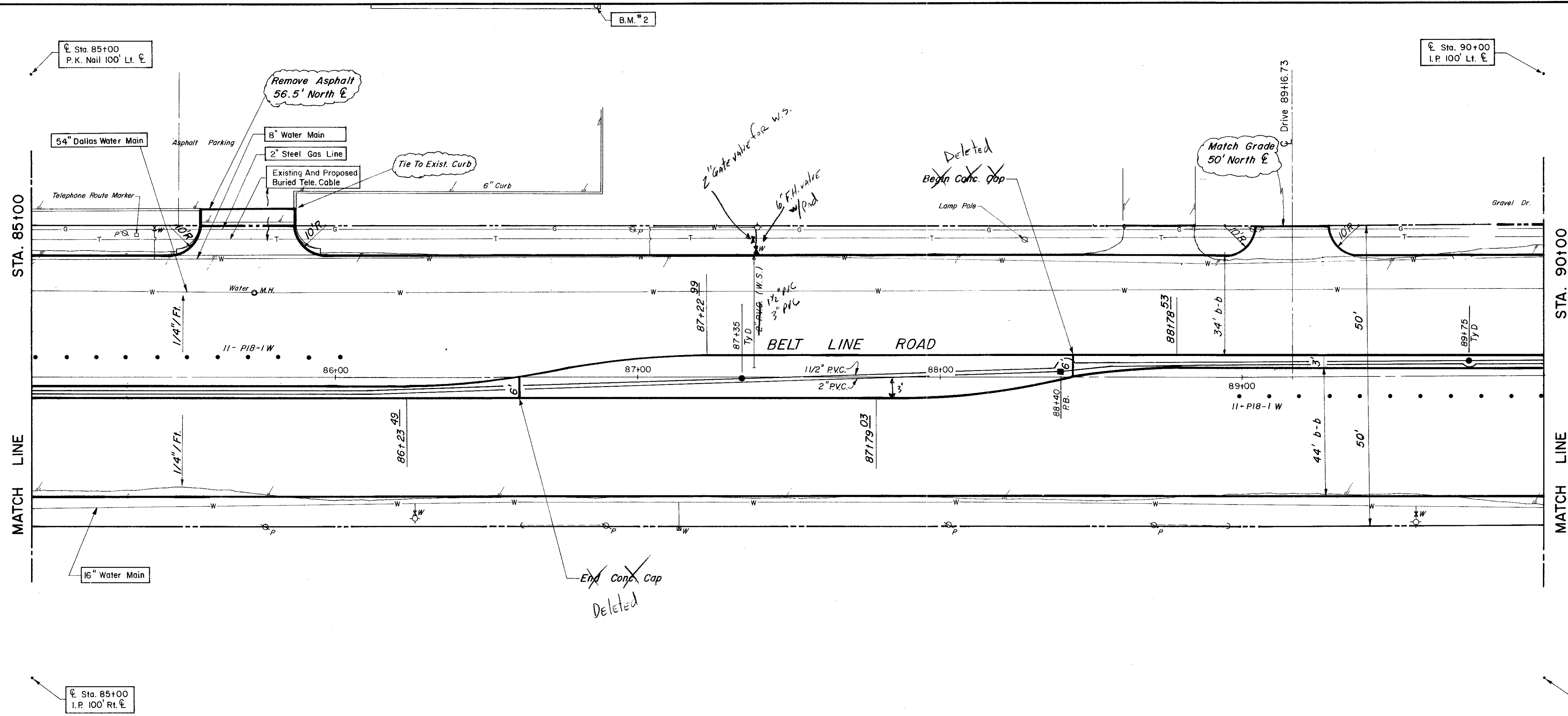
LEGEND			
□	Survey Mark		
○	Iron Pin		
○	Monument		
○	Gas Meter		
○	Gas Valve		
○	Gas Line		
○	Power Pole (Typical Pole Symbol)		
○	Power Line		
○	Guy Wire Anchor		
○	Telephone Line		
○	Water Meter		
○	Water Valve		
○	Water Line		
○	Fire Hydrant		
○	Manhole		
○	Sanitary Sewer Line		
○	Fence Line		
○	Flow Direction Indicator		
○	Property or Right-of-Way Line (R.O.W)		
○	Excavation Line		
○	Traffic Post Box		
○	Mark Arm Pole Foundation (Type A or B)		
○	Pedestal Pole Foundation (Type C)		
○	Signal Illumination Pole Foundation (Type D)		
○	Top Of Curb		
○	Flow Line		

R.C.-1	R.C.-2
$\Delta = 6^\circ 28' 33''$	$\Delta = 16^\circ 39' 52''$
$R = 820'$	$R = 250'$
$T = 47.57'$	$T = 36.61'$
$L = 95.03'$	$L = 72.71'$
$\Delta = 6^\circ 38' 23''$	



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 80+00 to 85+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS  
 DESIGNED-H.B.J. DRAWN-S.M.M. DATE-MAY-1980 FILE  
 APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20' V=1"=5' SHEET 22 OF

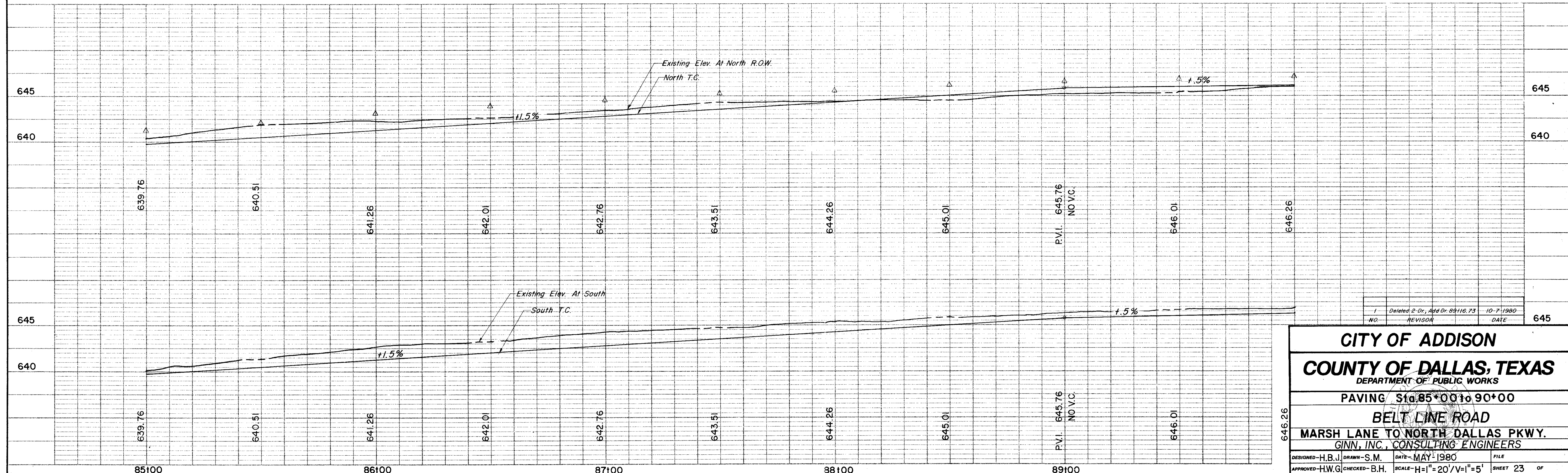




ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	---
104.2	Sawed Break-Out Groove	LF	74
110	Unclassified Road Excavation (Dens Cont.)	CY	3482
160	Placing 4\"/>		

LEGEND			
□	Drain Mark		
○	Manhole		
○	Manhole		
○	Gas Meter		
○	Gas Valve		
○	Gas Line		
○	Power Pole (Typical Pole Symbol)		
○	Power Line		
○	Gay Wire Anchor		
○	Telephone Line		
○	Water Meter		
○	Water Valve		
○	Water Line		
○	Fire Hydrant		
○	Manhole		
○	Sanitary Sewer Line		
○	Fence Line		
○	Flow Direction Indicator		
○	Property or Right-of-Way Line (ROW)		
○	Easement Line		
○	Traffic Pull Box		
○	Block Area Pole Foundation (Type A or B)		
○	Pedestal Pole Foundation (Type C)		
○	Signal Illumination Pole Foundation (Type D)		
○	Top of Curb		
○	Flow Line		

B.M. #2 "a" On Conc. Walk At S.E. Corner Of Storage Building For Payless  
 Caseways East Of Addison Road & North Of Belt Line Road. ELEV. = 638.65



NO.	REVISION	DATE
1	Deleted 2 Dr., Add Dr. 89116.73	10-7-1980

**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

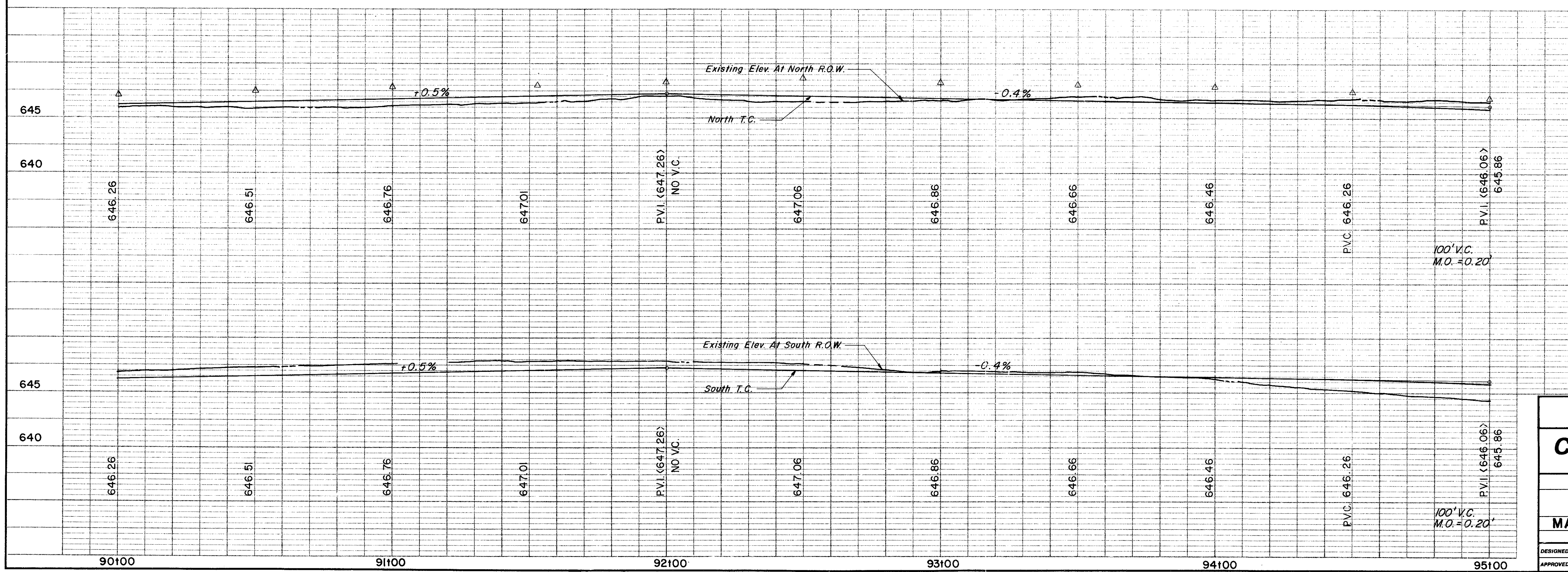
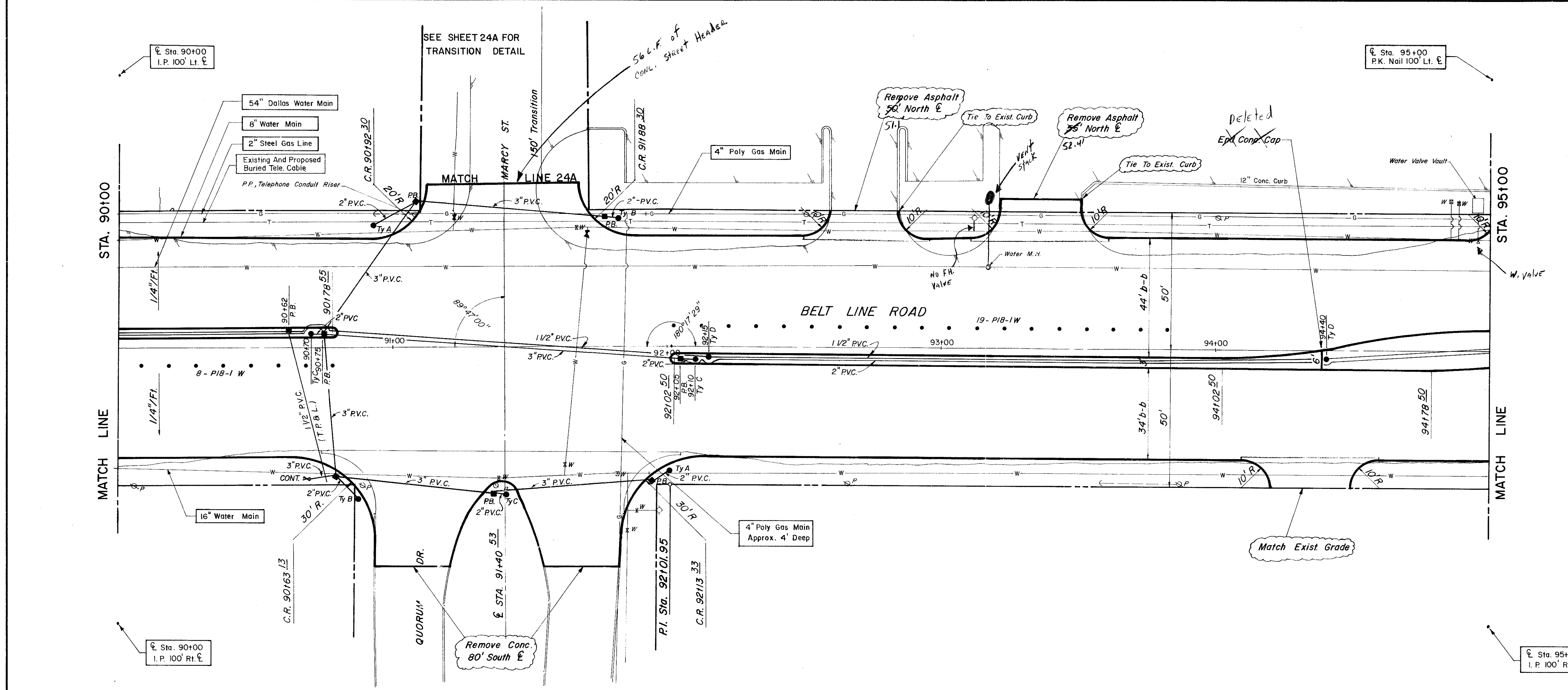
PAVING Sta. 85+00 to 90+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20'/V=1"=5' SHEET 23 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W.	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	367
104.2	Sawed Break-Out Groove	LF	153
110	Unclassified Road Excavation (Dens Cont.)	CY	3098
160	Placing 4" Topsoil	CY	7.44
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	46.97
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3757.50
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	69.67
340.2	6" Hot Mix Asphalt (Ty B)	Ton	525.26
360.1	8" Conc Pavement (3000 PSI)	SY	4829.05
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1559
360.3	4" Non-Reinf Conc in Median (2000 PSI)	SY	110
360.4	Conc. St. Header	LF	56
479.1	Adjust Water Valves	EA	8
479.2	Adjust Manhole	EA	1
630.5	Signal Cont. Foundation	EA	1
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	119.61
630.1	Foundation (Ty A) Traffic Sig In Place	EA	2
630.2	Foundation (Ty B) Traffic Sig In Place	EA	2
630.3	Foundation (Ty C) Traffic Sig In Place	EA	2
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2" PVC Conduit, Furnish & Install	LF	560
640.2	2" PVC Conduit, Furnish & Install	LF	1115
640.3	3" PVC Conduit, Furnish & Install	LF	435
640.4	Pull Box, Complete In Place	EA	8
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	40
752.2	Traffic Buttons - Single Refl Ty P18 White	EA	27
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	200

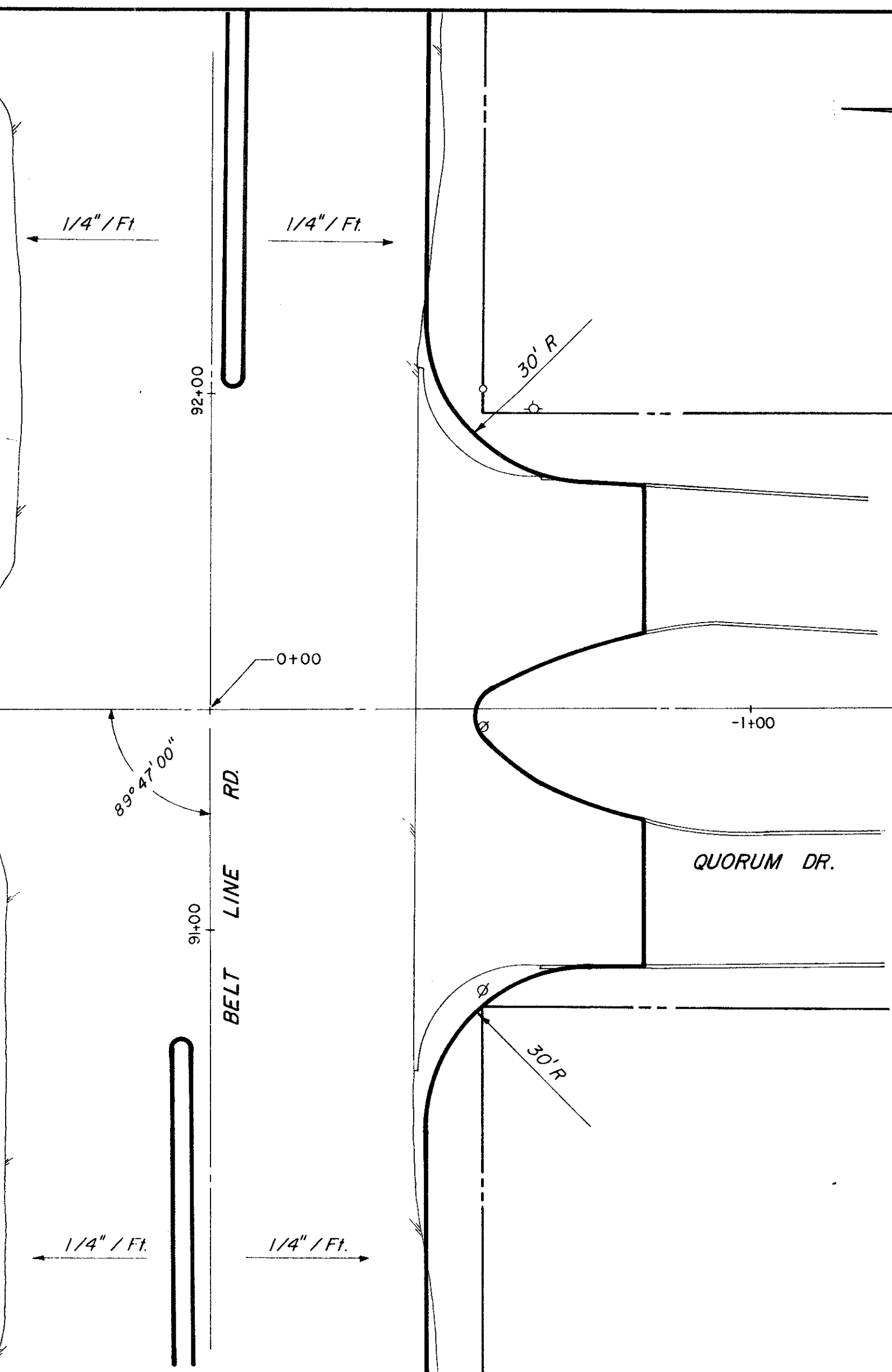
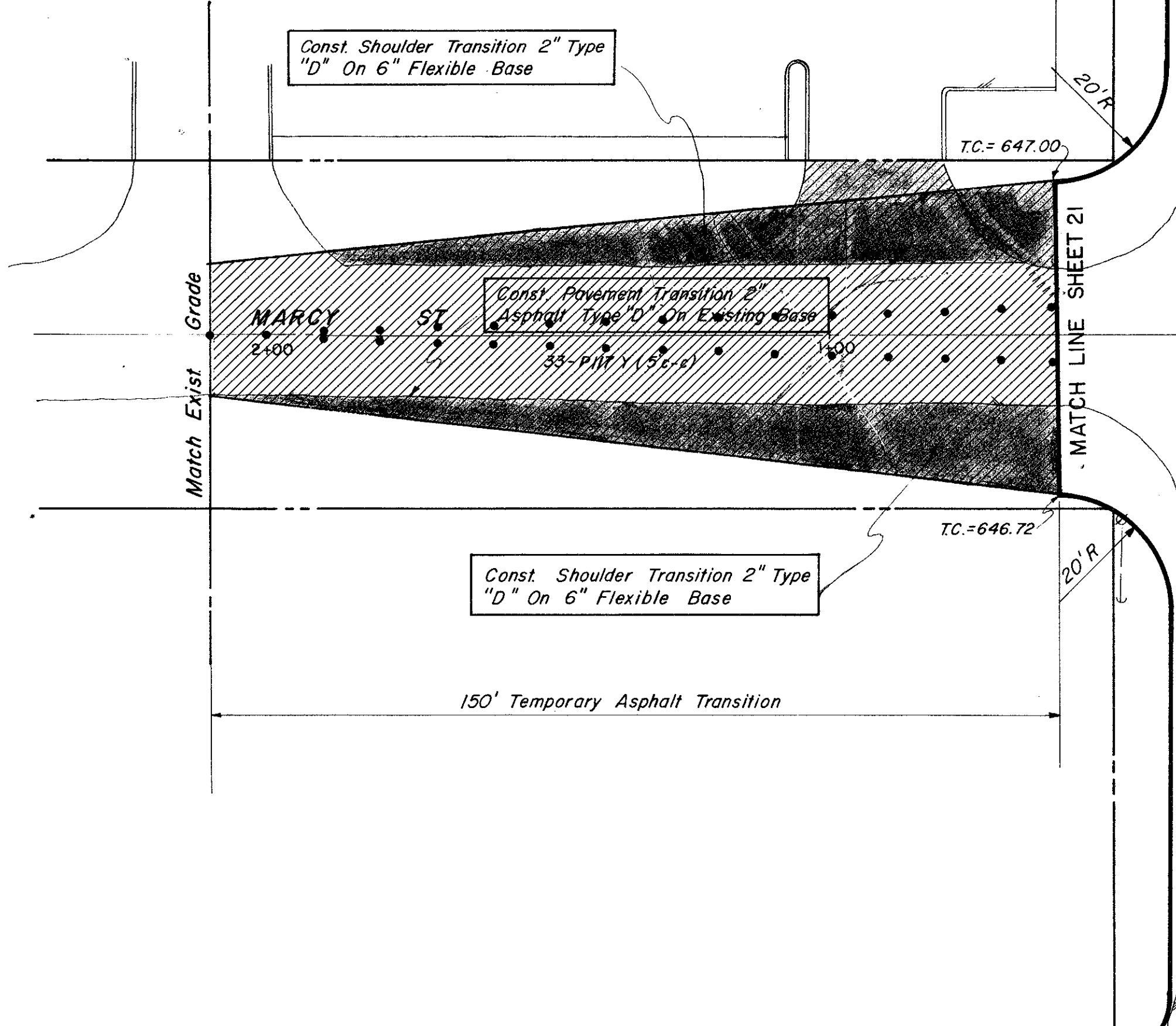
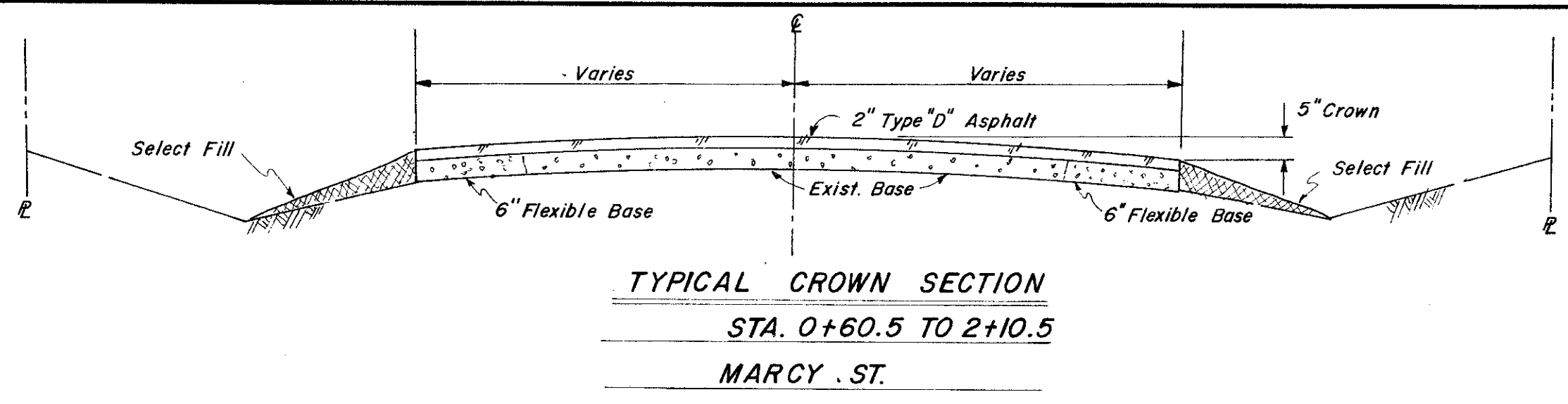
LEGEND	
□	Block Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Guy Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Fence Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (R.O.W.)
○	Easement Line
○	Traffic Pull Box
○	Mass Arm Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Flow Line



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 90+00 to 95+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED-H.B.J. DRAWN-S.M. DATE-MAY-1980 FILE  
 APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20'/V=1"=5' SHEET 24 OF





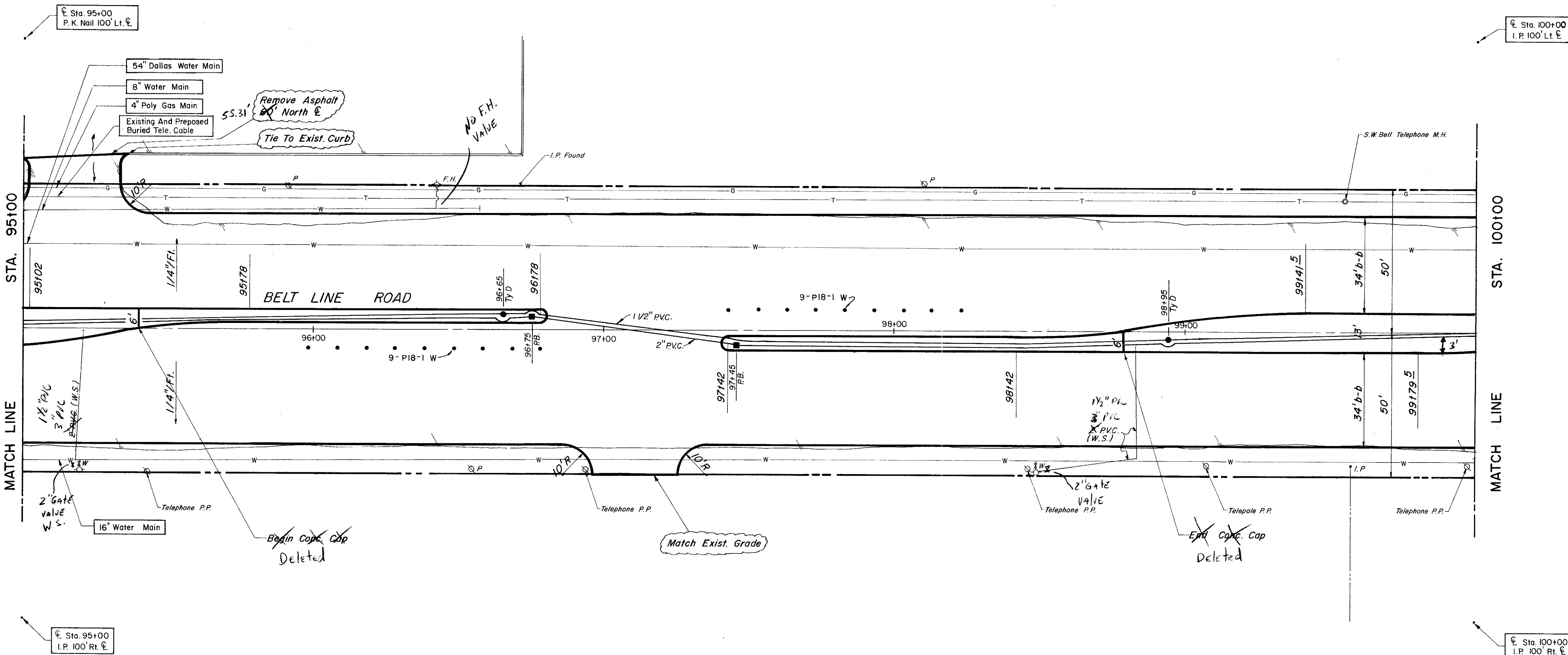
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	50
110	Unclassified Road Excavation (Dens Cont.)	CY	
160	Placing 4\"/>		
248	6\"/>		
260.1	Lime (Ty A) Slurry Method	Ton	
260.2	6\"/>		
340.1	3\"/>		
340.2	6\"/>		
360.1	8\"/>		
360.2	6\"/>		
360.3	4\"/>		
340.3	2\"/>		
752.3	Traffic Buttons - Dbl. Refl., Ty P17 Yellow	EA	33
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5\"/>		
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	
640.1	1/2\"/>		
640.2	2\"/>		
640.3	3\"/>		
640.4	Pull Box, Complete In Place	EA	
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	

LEGEND	
□	Depth Mark
•	Iron Pin
○	Manhole
⊙	Gas Meter
⊕	Gas Valve
⊖	Gas Line
—	Power Line
—	Power Pole (Typical Pole Symbol)
—	Guy Wire Anchor
—	Telephone Line
—	Water Meter
—	Water Valve
—	Water Line
—	Fire Hydrant
—	Manhole
—	Sanitary Sewer Line
—	Face Line
—	Flow Direction Indicator
—	Property or Right-of-Way Line (R.O.W)
—	Easement Line
—	Traffic Pole Base
—	Monk Arm Pole Foundation (Type A or B)
—	Pedestal Pole Foundation (Type C)
—	Signal Illumination Pole Foundation (Type D)
T.C.	Top Of Curb
ℓ	Flow Line

**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**MARCY ROAD TRANSITION**  
**BELT LINE ROAD**  
**MARSH LANE TO NORTH DALLAS PKWY.**  
**GINN, INC. CONSULTING ENGINEERS**

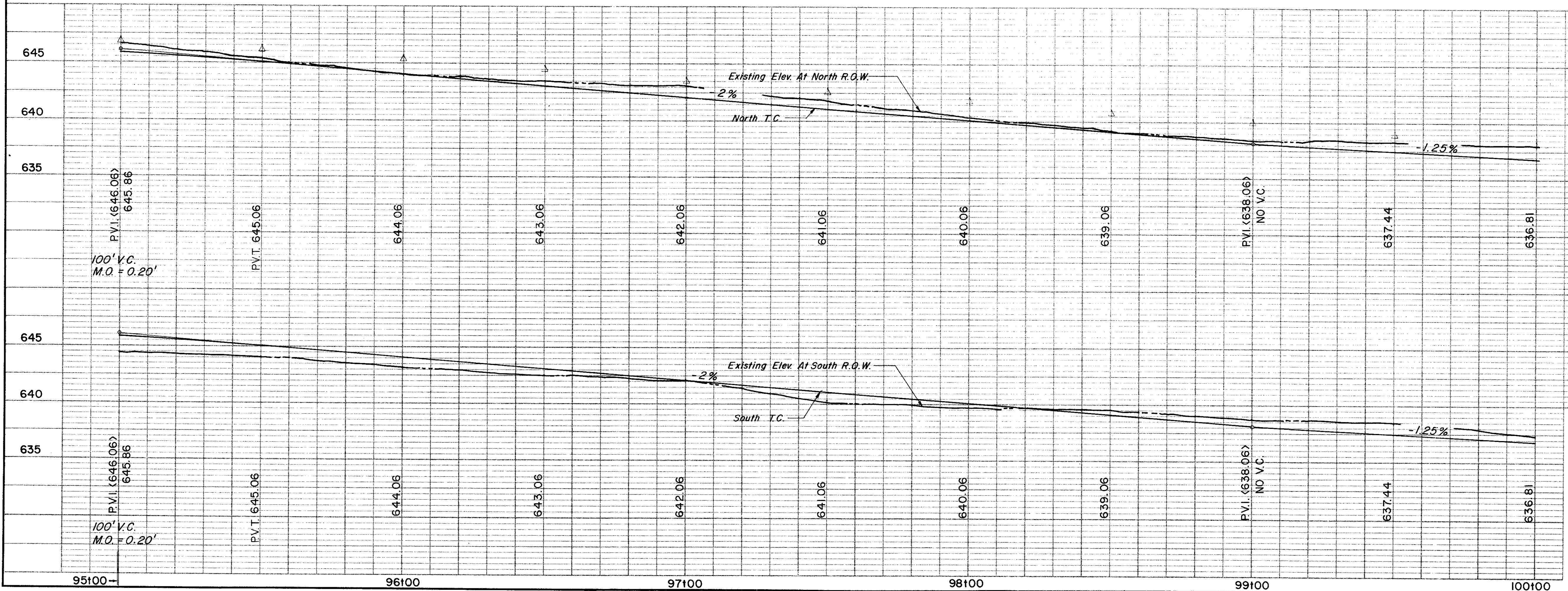
DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY-1980	FILE
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - H=1"=20'/V=1"=5'	SHEET 24 A OF





ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta	5
104.1	Remove Old Concrete, Pavement & Median	SY	---
104.2	Sawed Break-Out Groove	LF	65
110	Unclassified Road Excavation (Dens Cont.)	CY	3519
160	Placing 4" Topsoil	CY	21.57
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, C13)	CY	---
260.1	Lime (Ty A) Slurry Method	Ton	---
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	---
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	---
340.2	6" Hot Mix Asphalt (Ty B)	Ton	---
360.1	8" Conc Pavement (3000 PSI)	SY	4197.23
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1785
360.3	4" Non-Reinf Conc In Median (2000PSI)	SY	100.97
640.5	2" PVC SCH 40 (Conc. Encasement)	LF	120
479.1	Adjust Water Valve	EA	2
522	Conc Curb & Gutter Class A	LF	---
524	Conc Driveways, Appr 5" Reinf Conc (3000PSI)	SY	117.02
630.1	Foundation (Ty A) Traffic Sig In Place	EA	---
630.2	Foundation (Ty B) Traffic Sig In Place	EA	---
630.3	Foundation (Ty C) Traffic Sig In Place	EA	---
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1 1/2" PVC Conduit, Furnish & Install	LF	500
640.2	2" PVC Conduit, Furnish & Install	LF	500
640.3	3" PVC Conduit, Furnish & Install	LF	---
640.4	Pull Box, Complete In Place	EA	2
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	48
752.2	Traffic Buttons-Single Refl Ty P18-1 White	EA	18
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	240

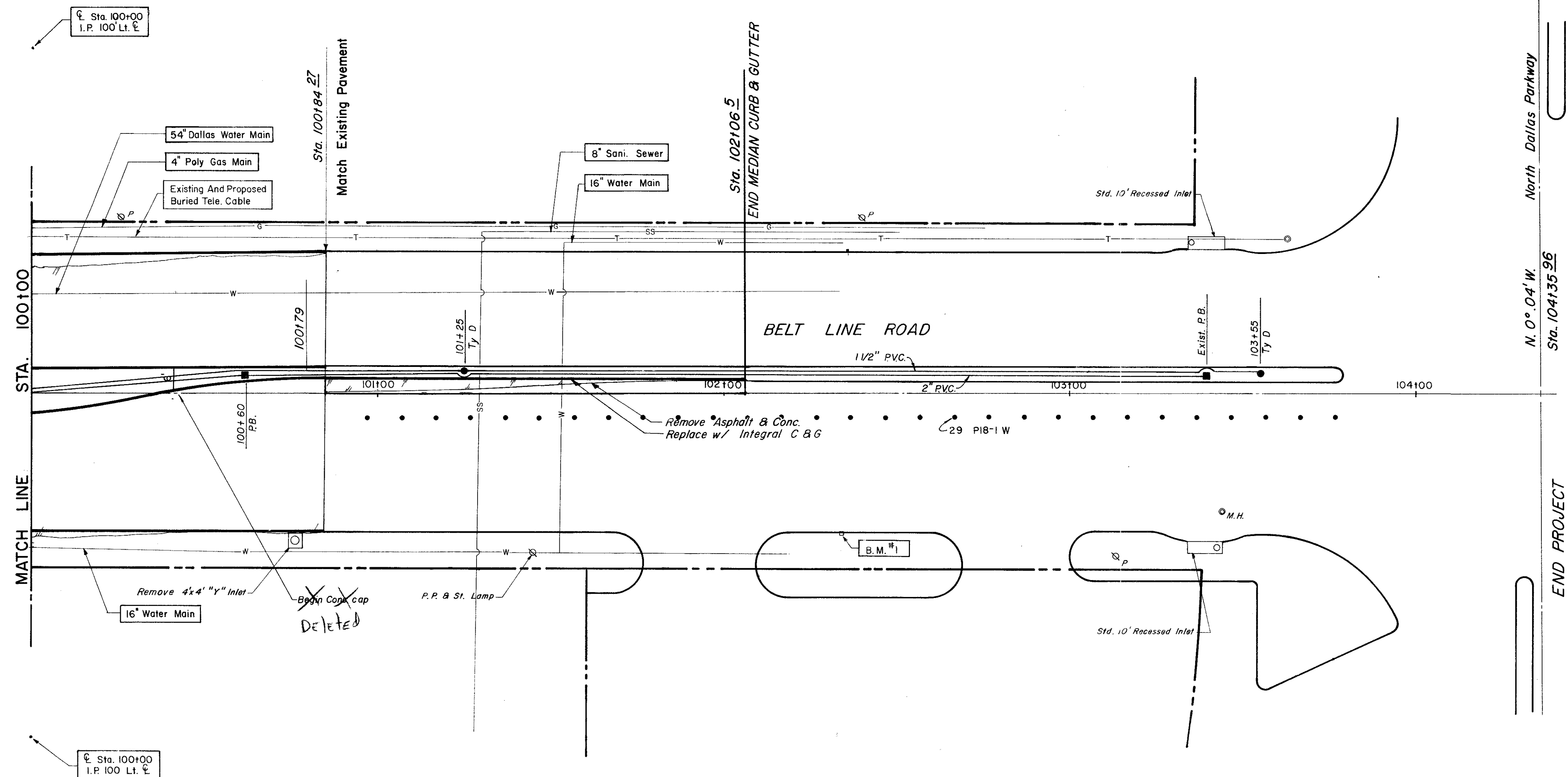
LEGEND	
□	Bench Mark
○	Iron Pin
—	Manhole
—	Gas Meter
—	Gas Valve
—	Gas Line
—	Power Pole (Typical Pole Symbol)
—	Power Line
—	Gray Wire Anchor
—	Telephone Line
—	Water Meter
—	Water Valve
—	Water Line
—	Fire Hydrant
—	Mechhole
—	Sanitary Sewer Line
—	Fence Line
—	Flow Direction Indicator
—	Property or Right-of-Way Line (R.O.W)
—	Easement Line
—	Traffic Pull Box
—	Mark Area Pole Foundation (Type A or B)
—	Pedestal Pole Foundation (Type C)
—	Signal Illumination Pole Foundation (Type D)
—	Top Of Curb
—	Flow Line



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 95+00 to 100+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED-H.B.J. DRAWN-S.M. DATE-MAY 1980 FILE  
 APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20' / V=1"=5' SHEET 25 OF

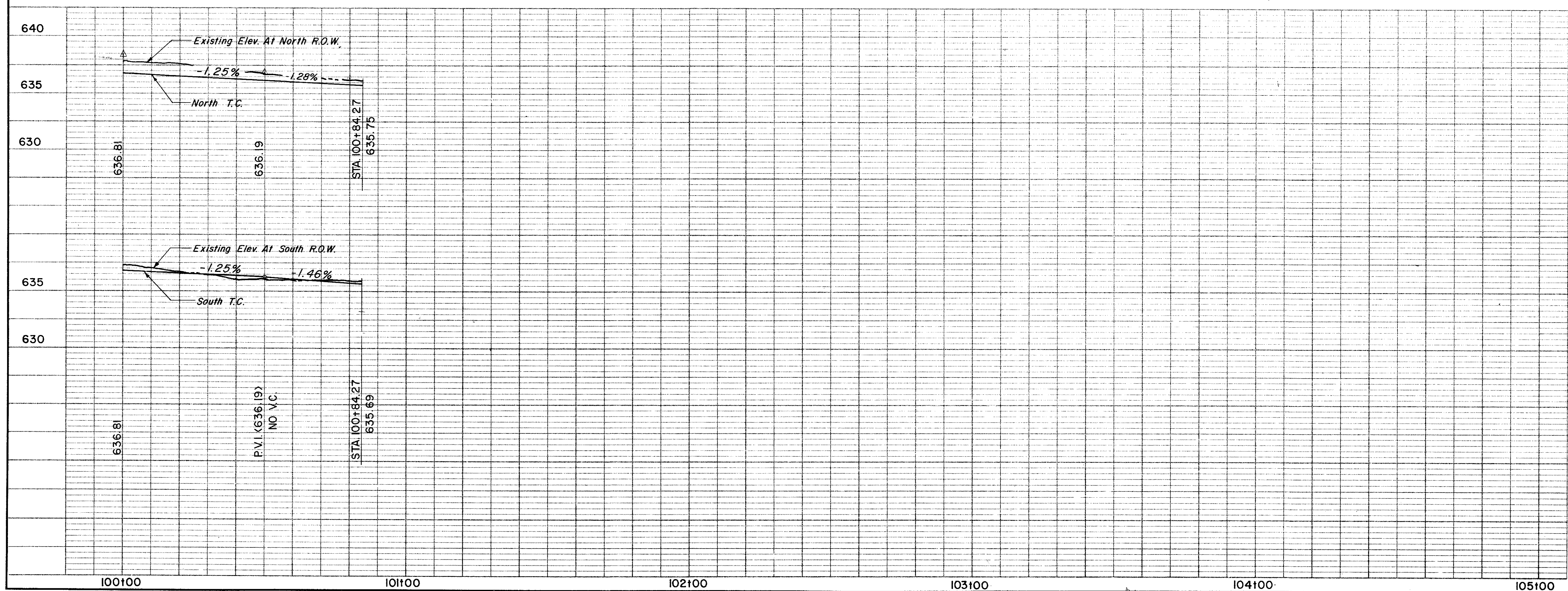




ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway, R.O.W	Sta	1
104.1	Remove Old Concrete, Pavement & Median	SY	40
104.2	Sawed Break-Out Groove	LF	125
110	Unclassified Road Excavation (Dens Cont.)	CY	360
160	Placing 4" Topsoil	CY	468
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	8.5
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	680
340.1	3" Hot Mix Asp (Ty D) Resurf Shoulder	Ton	15.4
340.2	6" Hot Mix Asphalt (Ty B)	Ton	
360.1	8" Conc Pavement (3000 PSI)	SY	677.45
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	460
360.3	4" Non-Reinf Conc In Median (2000PSI)	SY	117.15
522	Conc Curb & Gutter Class A	LF	122.23
524	Conc Driveways, Appr 5" Reinf Conc (3000PSI)	SY	
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2" PVC Conduit, Furnish & Install	LF	355
640.2	2" PVC Conduit, Furnish & Install	LF	340
640.3	3" PVC Conduit, Furnish & Install	LF	
640.4	Pull Box, Complete In Place	EA	1
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	40
752.2	Traffic Buttons-Single Refl Ty P18-1 White	EA	29
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	200

LEGEND	
□	Bench Mark
•	Iron Pin
○	Monument
⊙	Gas Meter
⊕	Gas Valve
⊖	Gas Line
⊗	Power Pole (Typical Pole Symbol)
—	Power Line
—	Gay Wire Anchor
—	Telephone Line
—	Water Meter
—	Water Valve
—	Water Line
⊙	Fire Hydrant
⊙	Manhole
—	Sanitary Sewer Line
—	Fence Line
—	Flow Direction Indicator
—	Property or Right-of-Way Line (R.O.W)
—	Estimate Line
•	Traffic Pole Size
•	Monk Arm Pole Foundation (Type A or B)
•	Pedestal Pole Foundation (Type C)
•	Signal Illumination Pole Foundation (Type D)
T.C.	Top Of Curb
℄	Flow Line

B.M. #1 "a" Top Of North Curb On Belt Line At 25' ± East Of End Of Conc. Curb & Gutter 200' ± West Of Intersection Of Dallas Parkway. ELEV.=6 3.53

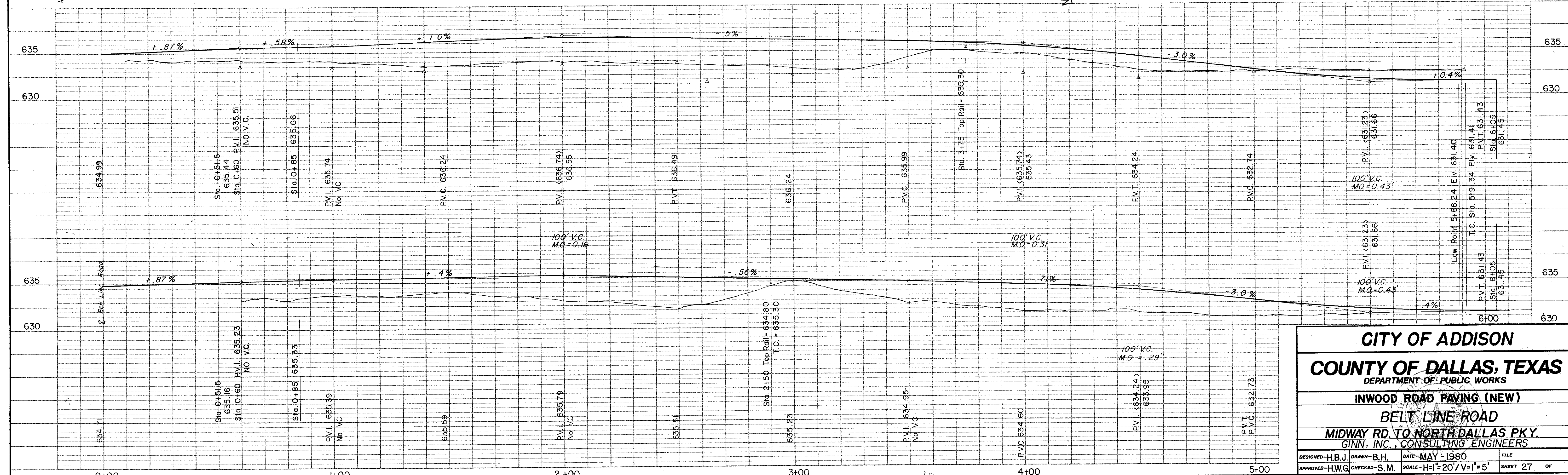
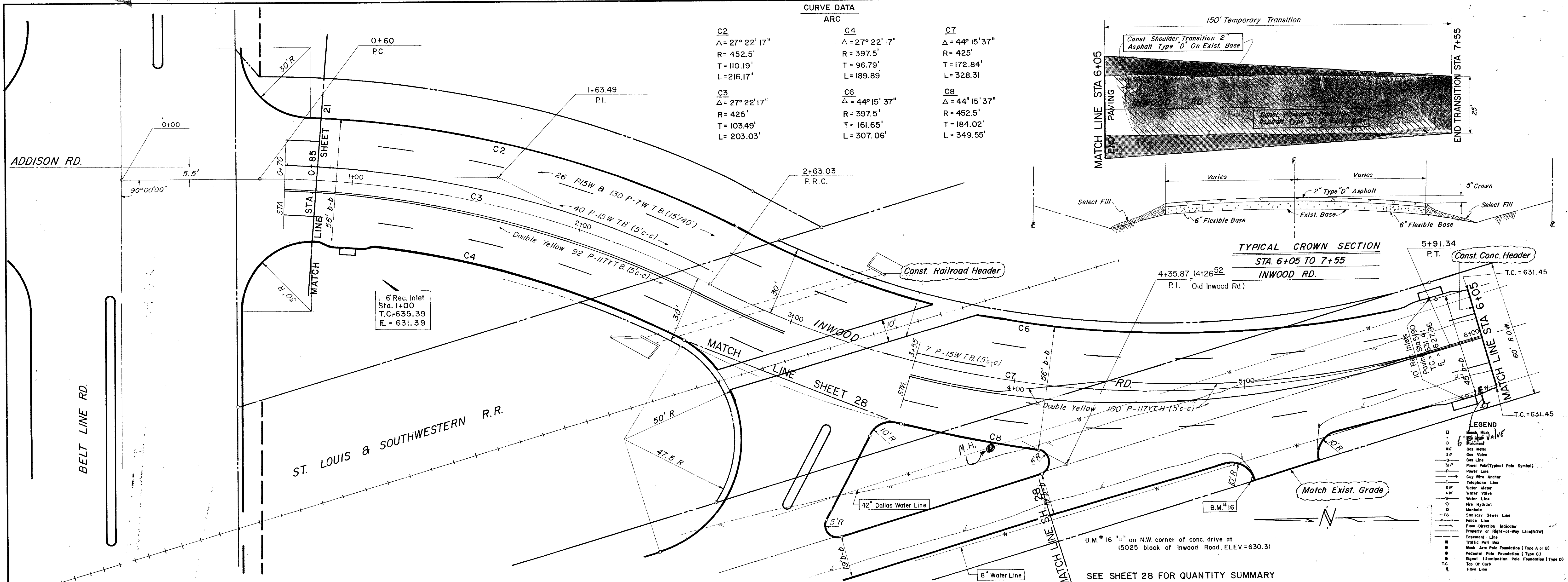


**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

PAVING Sta. 100+00 to 100+84.27  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY 1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20' V=1"=5' SHEET 26 OF

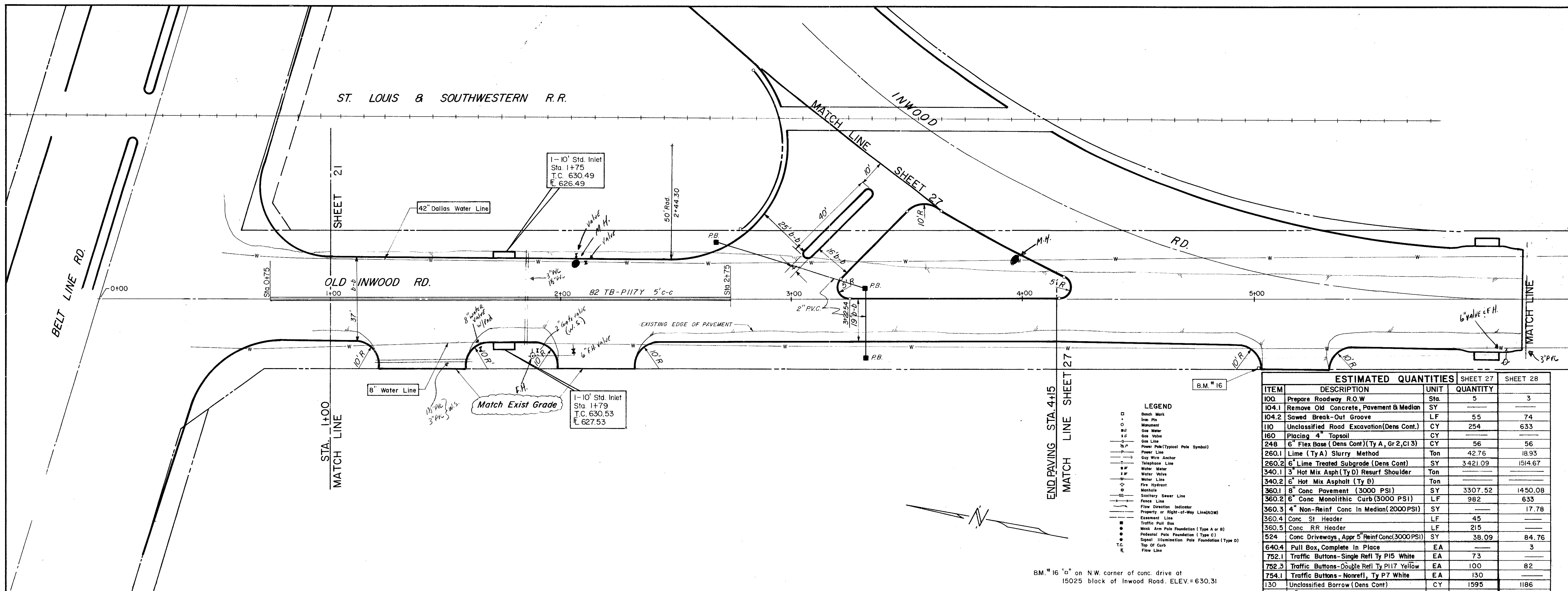




**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**INWOOD ROAD PAVING (NEW)**  
**BELT LINE ROAD**  
 MIDWAY RD. TO NORTH DALLAS PKY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED-H.B.J. DRAWN-B.H. DATE-MAY-1980 FILE  
 APPROVED-H.W.G. CHECKED-S.M. SCALE-H=1"=20'/V=1"=5' SHEET 27 OF

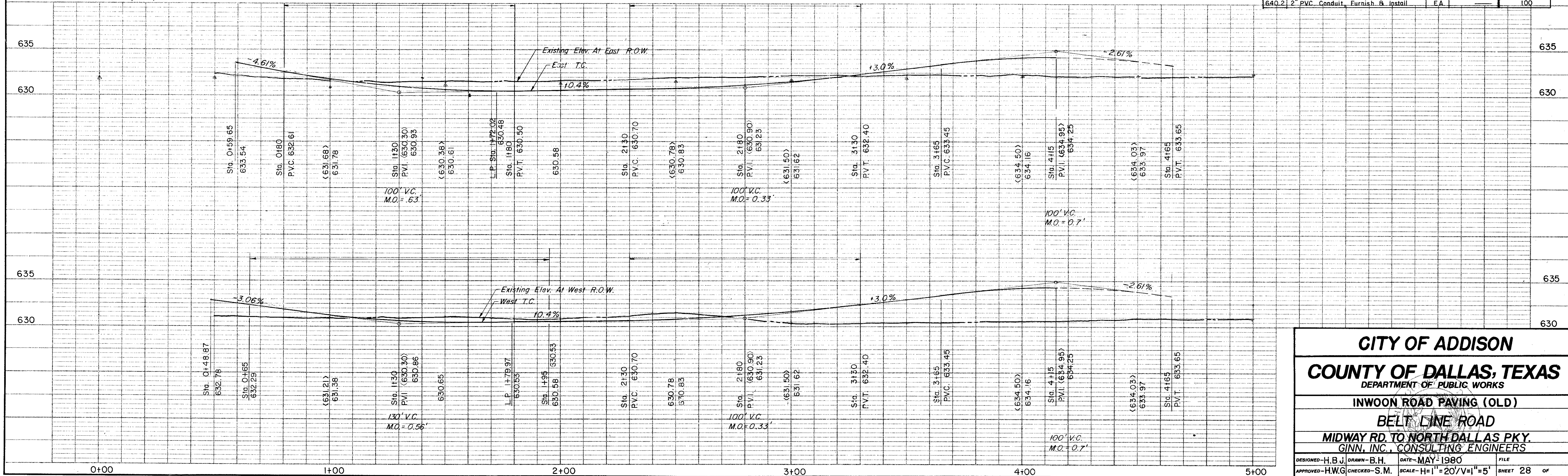




ESTIMATED QUANTITIES		SHEET 27	SHEET 28
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	3
104.2	Sawed Break-Out Groove	LF	55
110	Unclassified Road Excavation (Dens Cont.)	CY	254
160	Placing 4" Topsoil	CY	56
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	56
260.1	Lime (Ty A) Slurry Method	Ton	42.76
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3421.09
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	SY	1514.67
340.2	6" Hot Mix Asphalt (Ty B)	Ton	
360.1	8" Conc Pavement (3000 PSI)	SY	3307.52
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	982
360.3	4" Non-Reinf Conc in Median (2000 PSI)	SY	17.78
360.4	Conc St Header	LF	45
360.5	Conc RR Header	LF	215
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	38.09
640.4	Pull Box, Complete in Place	EA	3
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	73
752.3	Traffic Buttons - Double Refl Ty P17 Yellow	EA	100
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	130
130	Unclassified Borrow (Dens Cont)	CY	1595
640.2	2" PVC Conduit, Furnish & Install	EA	100

- LEGEND**
- Bench Mark
  - Iron Pin
  - Monument
  - Gas Meter
  - Gas Valve
  - Gas Line
  - Power Pole (Typical Pole Symbol)
  - Guy Wire Anchor
  - Telephone Line
  - Water Meter
  - Water Valve
  - Water Line
  - Fire Hydrant
  - Manhole
  - Sanitary Sewer Line
  - Fence Line
  - Flow Direction Indicator
  - Property or Right-of-Way Line (ROW)
  - Easement Line
  - Traffic Pull Box
  - Man Arm Pole Foundation (Type A or B)
  - Pedestal Pole Foundation (Type C)
  - Signal Illumination Pole Foundation (Type D)
  - Top Of Curb
  - Flow Line

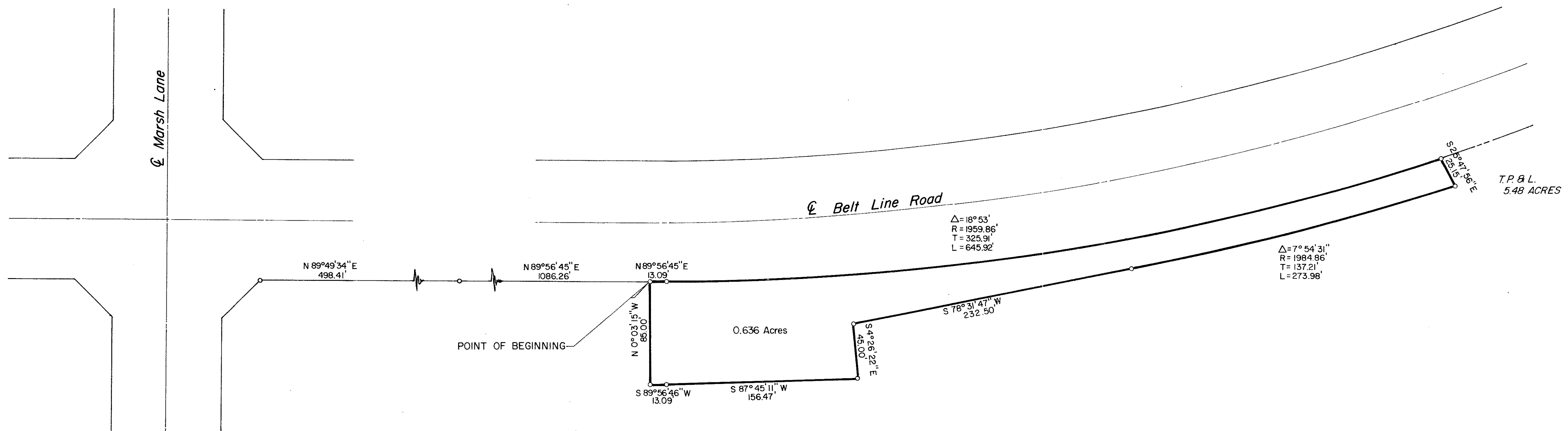
B.M. #16 on N.W. corner of conc. drive at 15025 block of Inwood Road. ELEV. = 630.31



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**INWOOD ROAD PAVING (OLD)**  
**BELT LINE ROAD**  
 MIDWAY RD. TO NORTH DALLAS PKY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - B.H. DATE - MAY 1980 FILE  
 APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20'/V=1"=5' SHEET 28 OF



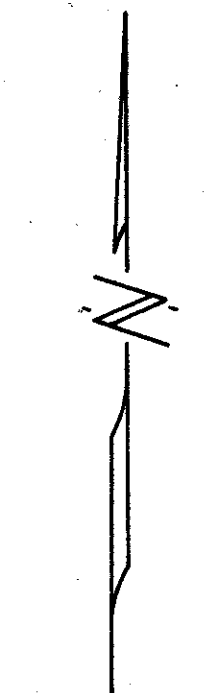
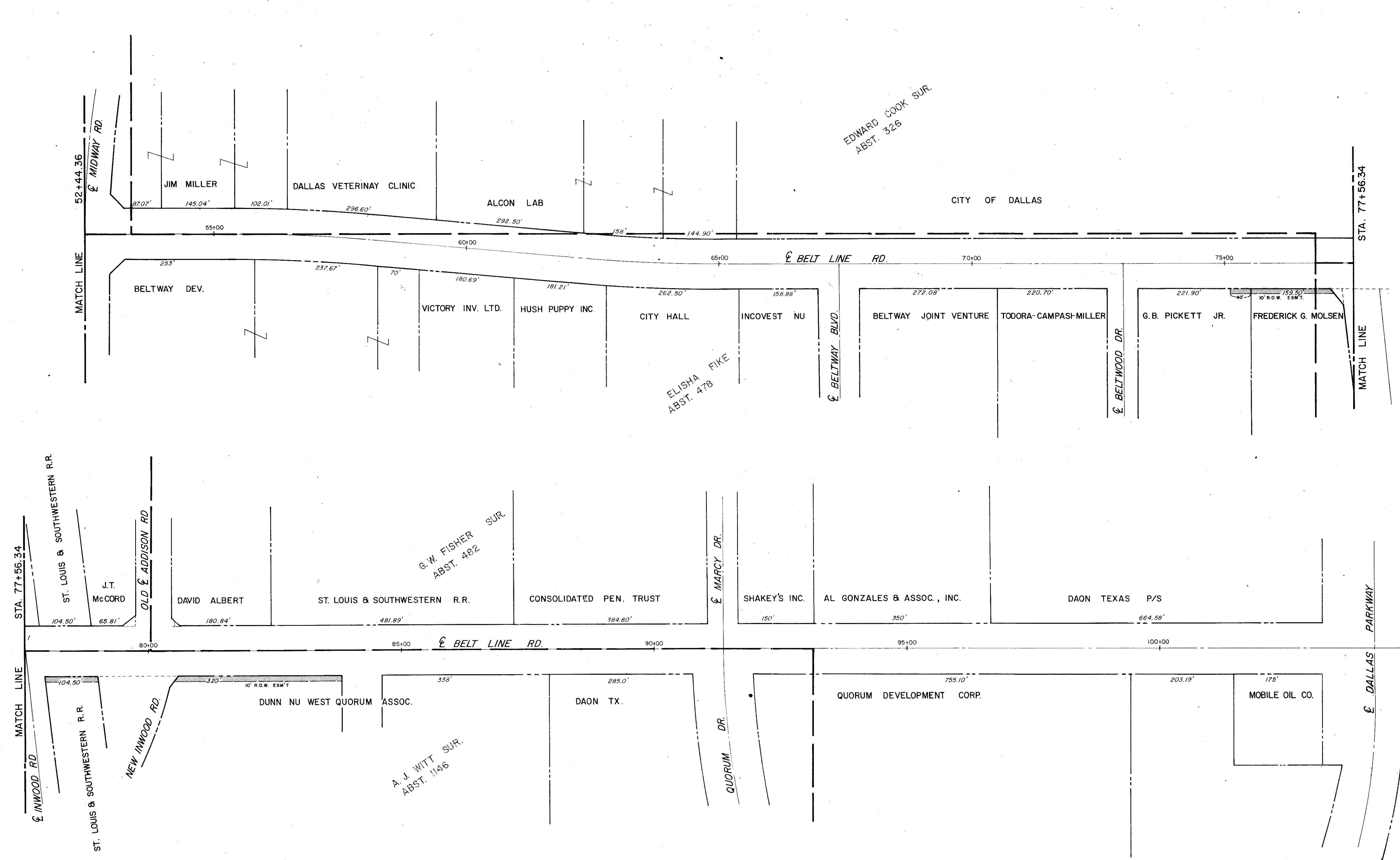


T.L. CHENOWETH SUR.  
ABST. 273

J.E. BUSH

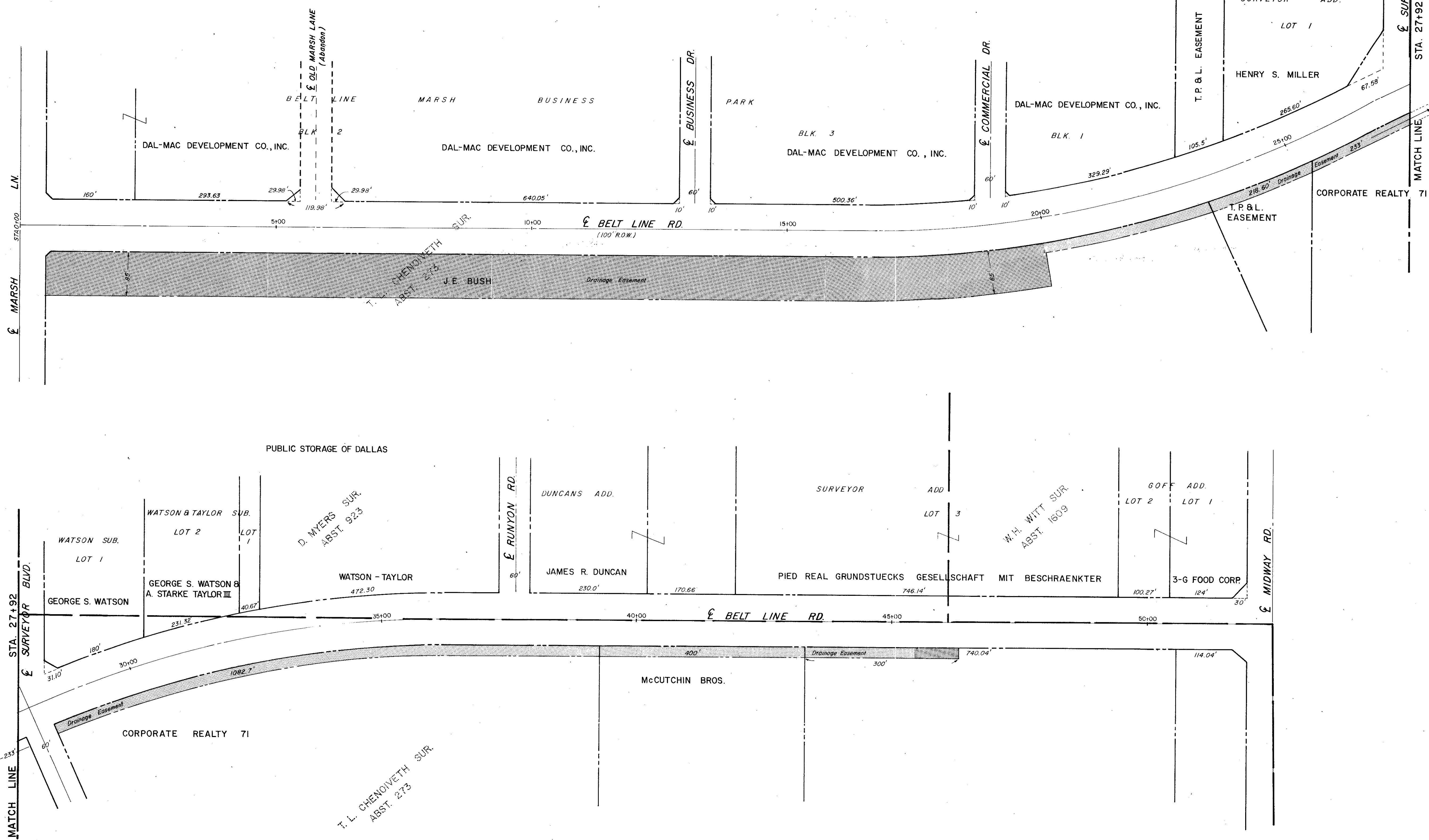
<b>CITY OF ADDISON</b>			
<b>DALLAS COUNTY, TEXAS</b>			
DRAINAGE AND UTILITY EASEMENT			
<b>BELT LINE ROAD</b>			
<i>GINN, INC., CONSULTING ENGINEERS</i>			
DESIGNED - A.C.F.	DRAWN - D.T.S.	DATE - JULY, 1980	FILE
APPROVED -	CHECKED -	SCALE - 1" = 50'	SHEET OF





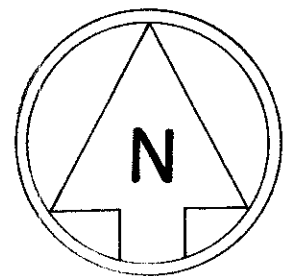
<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
LOCATION: R.O.W. MAP			
<b>BELT LINE ROAD</b>			
MARSH LANE TO NORTH DALLAS PKWY.			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - 1" = 100'	SHEET 2 OF





<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
LOCATION: R.O.W. MAP			
BELT LINE ROAD			
MARSH LANE TO NORTH DALLAS PKWY.			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980	FILE
APPROVED-H.W.G.	CHECKED-S.M.	SCALE-1"=100'	SHEET 1 OF





Scale 1" = 50'

BELT LINE ROAD

$\Delta = 20^{\circ}00'37''$   
 $R = 1860'$   
 $L = 649.60'$

$S 0^{\circ}35'00'' W$   
20.02'

$\Delta = 19^{\circ}58'58''$   
 $R = 1840'$   
 $L = 641.73'$

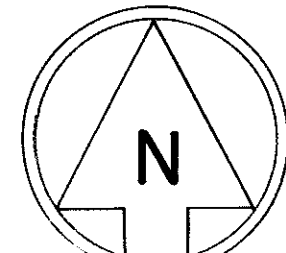
$N 21^{\circ}58'10'' W$   
20.00'

Point of Beginning

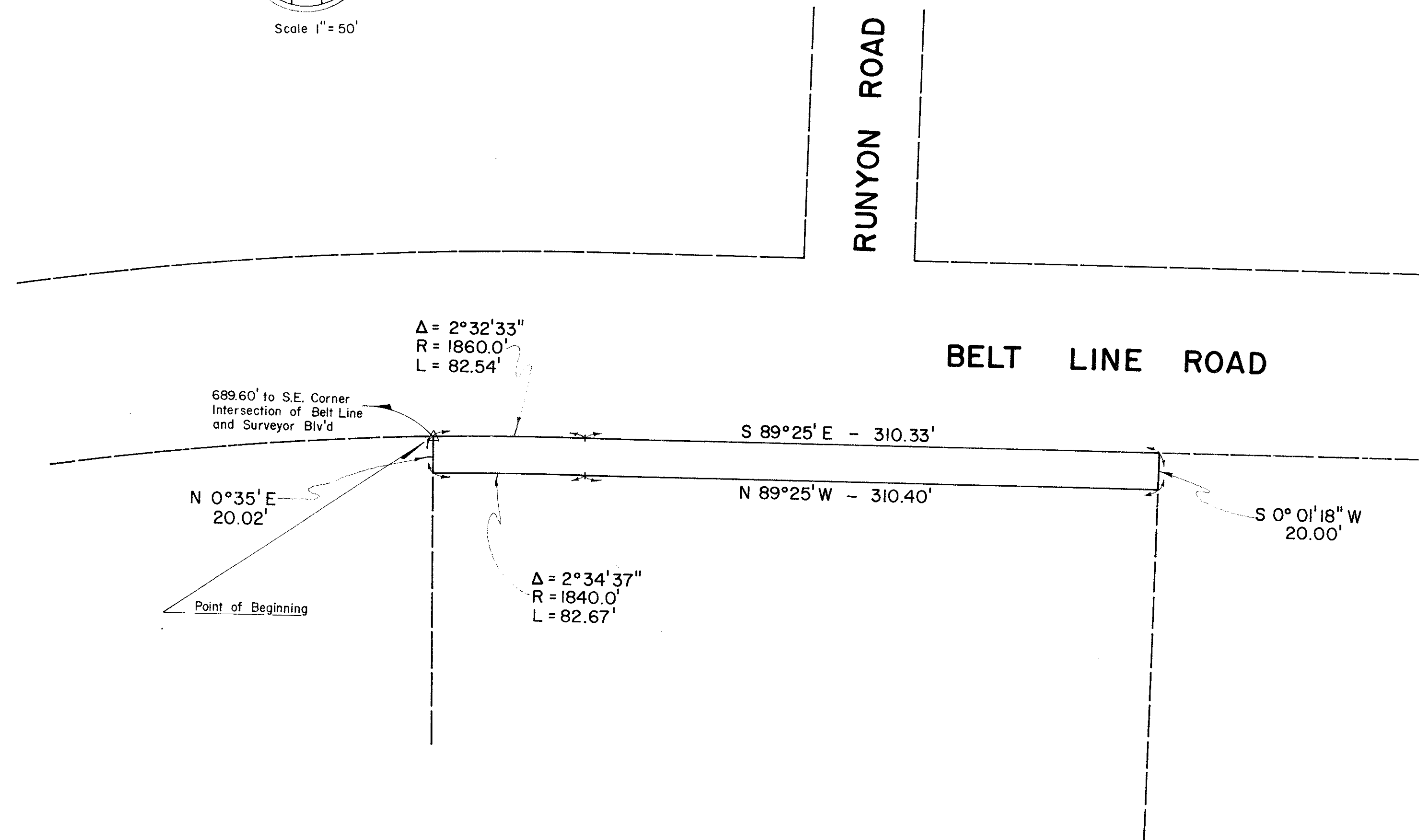
SURVEYOR BLVD

CITY OF ADDISON			
DALLAS COUNTY,		TEXAS	
DRAINAGE AND UTILITY EASEMENT			
EASEMENT "A" OF TRACT B			
GINN, INC., CONSULTING ENGINEERS			
DESIGN	A.C.F.	SCALE	1" = 50'
DRAWN	D.T.S.	DATE	JULY, 1980 SHEET 1 OF 1



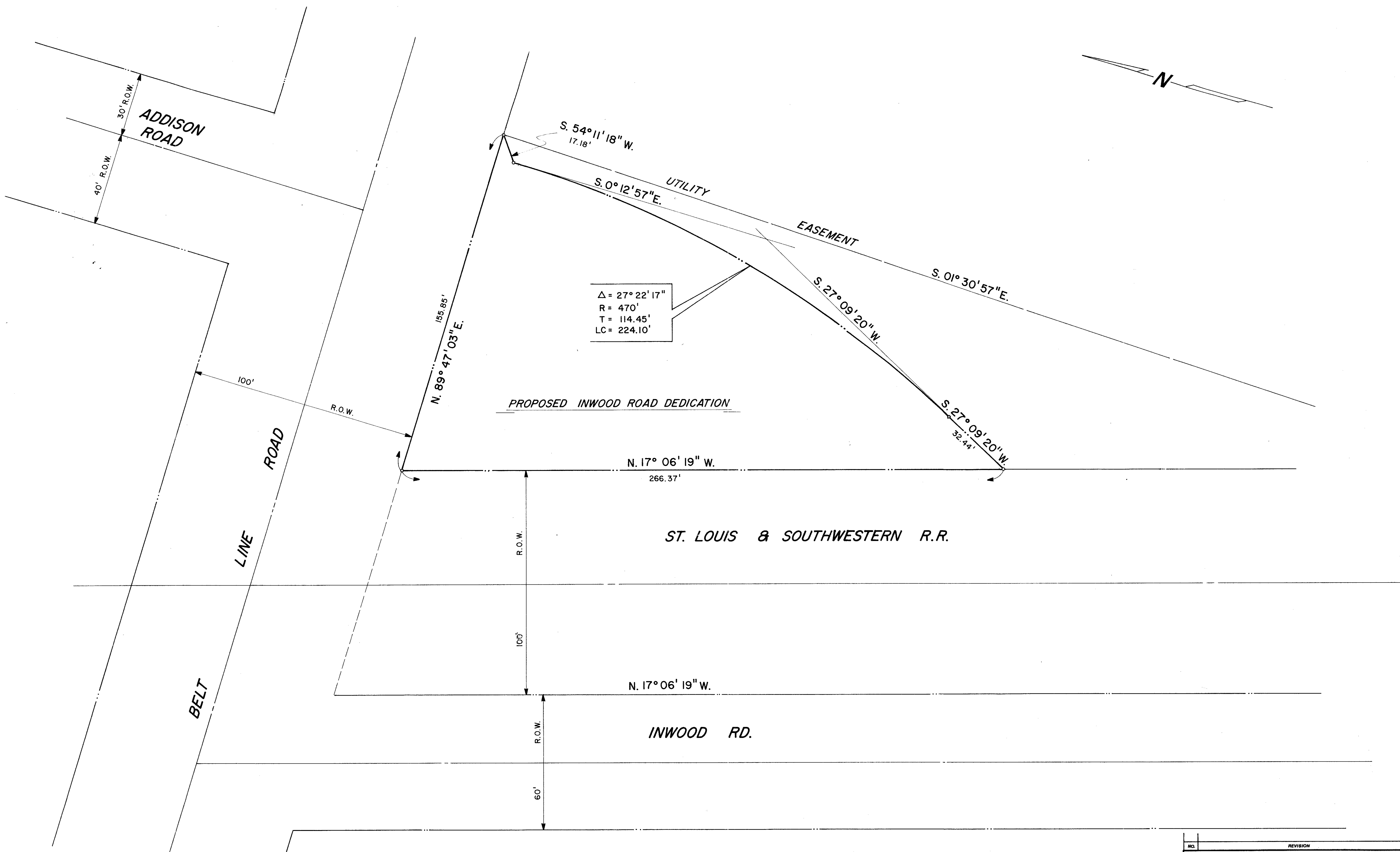
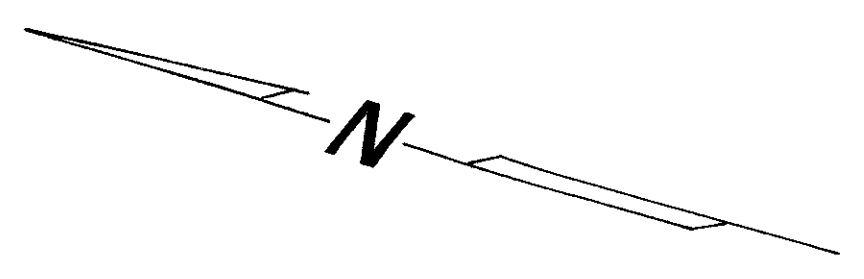


Scale 1" = 50'



<b>CITY OF ADDISON</b> DALLAS COUNTY, TEXAS		
<b>DRAINAGE AND UTILITY EASEMENT</b>		
<b>EASEMENT "B" OF TRACT B</b>		
<b>GINN, INC., CONSULTING ENGINEERS</b>		
DESIGN	A.C.F.	SCALE 1" = 50'
DRAWN	D.T.S.	DATE JULY, 1980 SHEET 1 OF 1





NO.	REVISION	BY	DATE
<b>BELT LINE - INWOOD RD. INTERSECTION</b>			
<b>R.O.W.</b>			
<b>CITY of ADDISON</b>			
<b>GINN INC.</b>			
DESIGNED - H.B.J.	DRAWN - S.M.M.	DATE - 10-5-79	FILE
APPROVED - H.W.G.	CHECKED - B.H.	SCALE - 1" = 20'	SHEET 1 OF 1