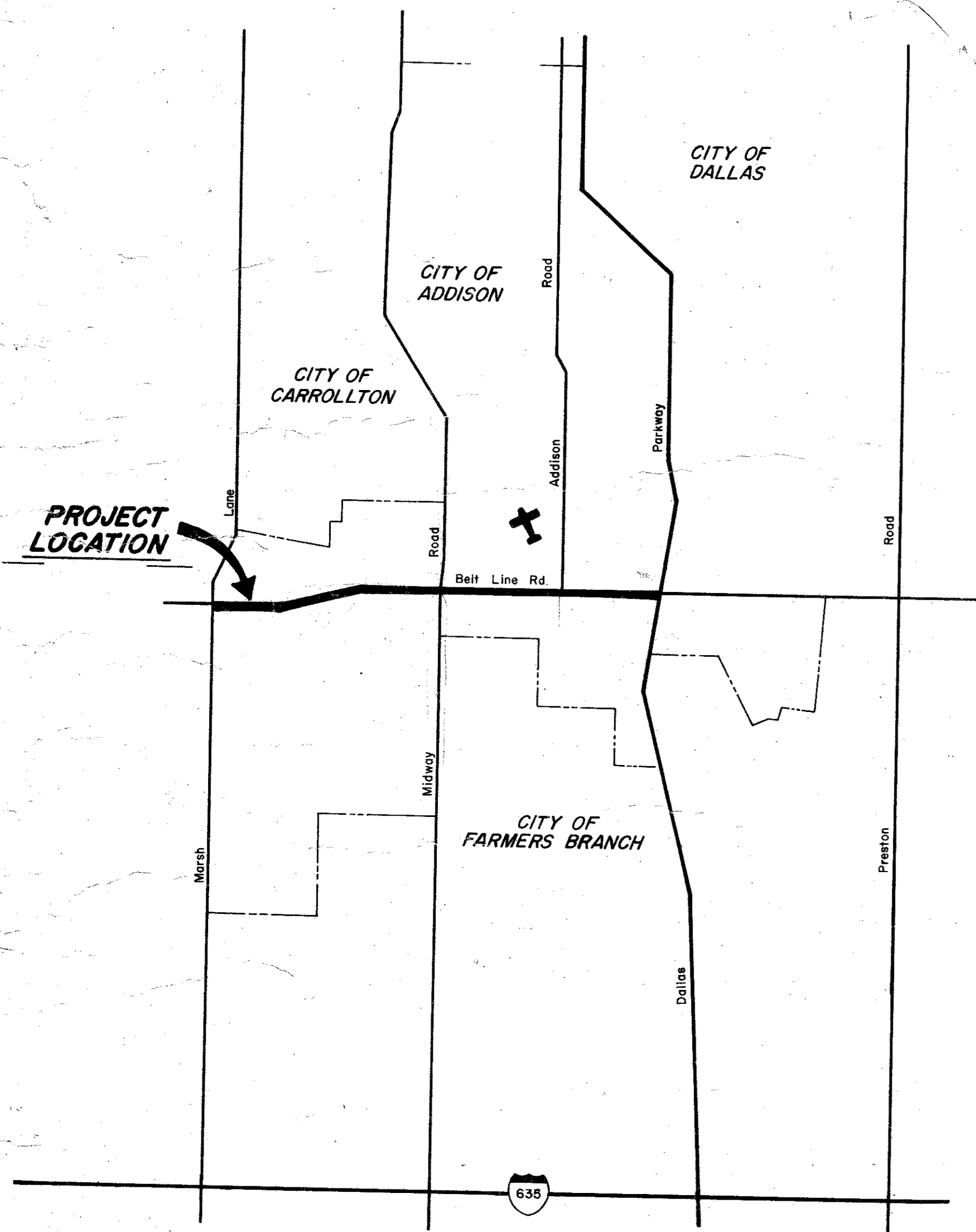


# THE CITY OF ADDISON AND THE COUNTY OF DALLAS

## 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

G. J. WEBSTER - CITY ADMINISTRATOR

DON PREECE - DIRECTOR OF PUBLIC WORKS



GINN INC.  
CONSULTING ENGINEERS  
DALLAS, TEXAS  
1980

RECORD  
SET

CITY OF ADDISON

Approved By: *[Signature]*  
Mayor

COUNTY OF DALLAS

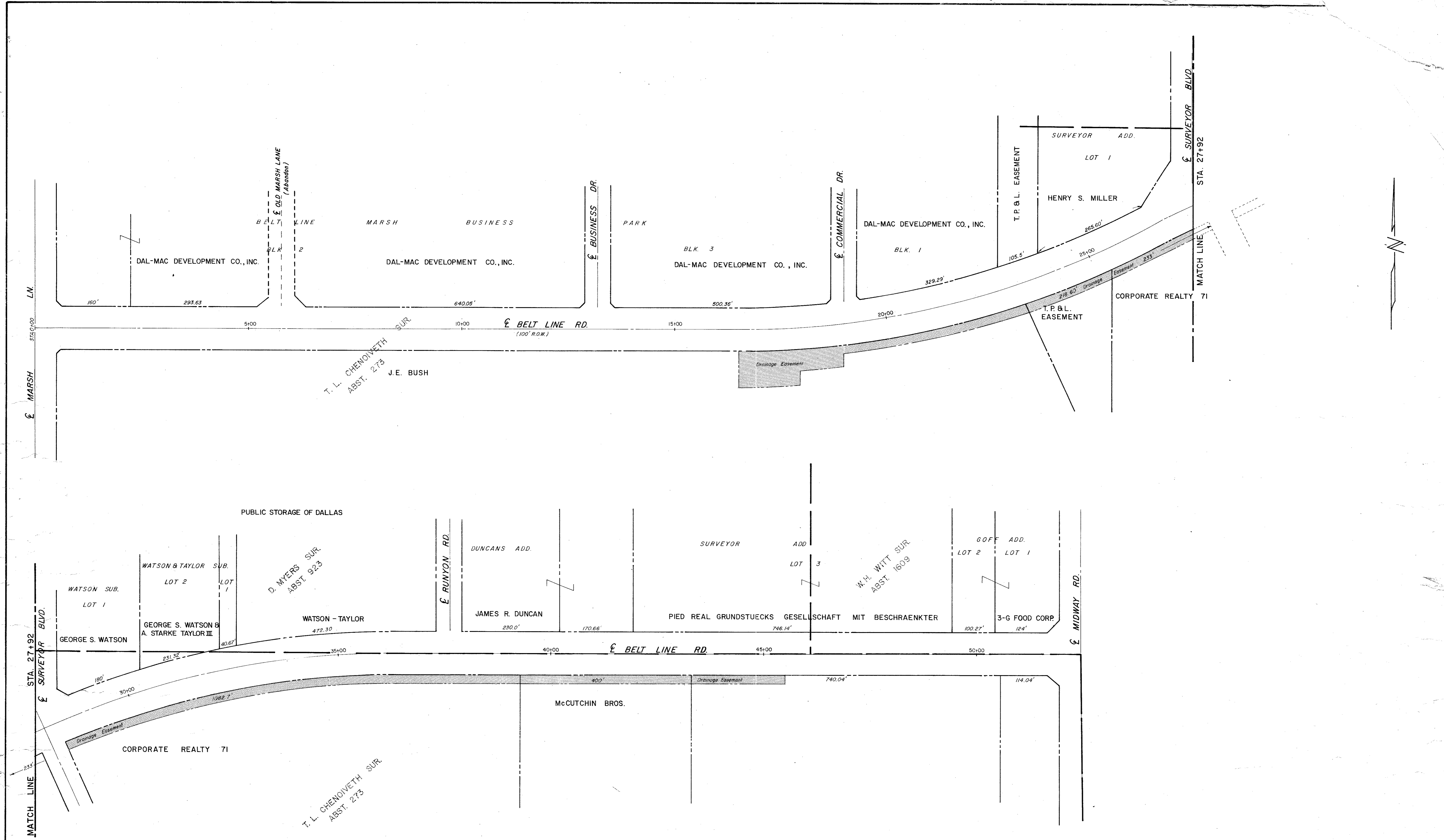
Approved By: \_\_\_\_\_

C. Judson Shock P.E.  
Director Of Public Works

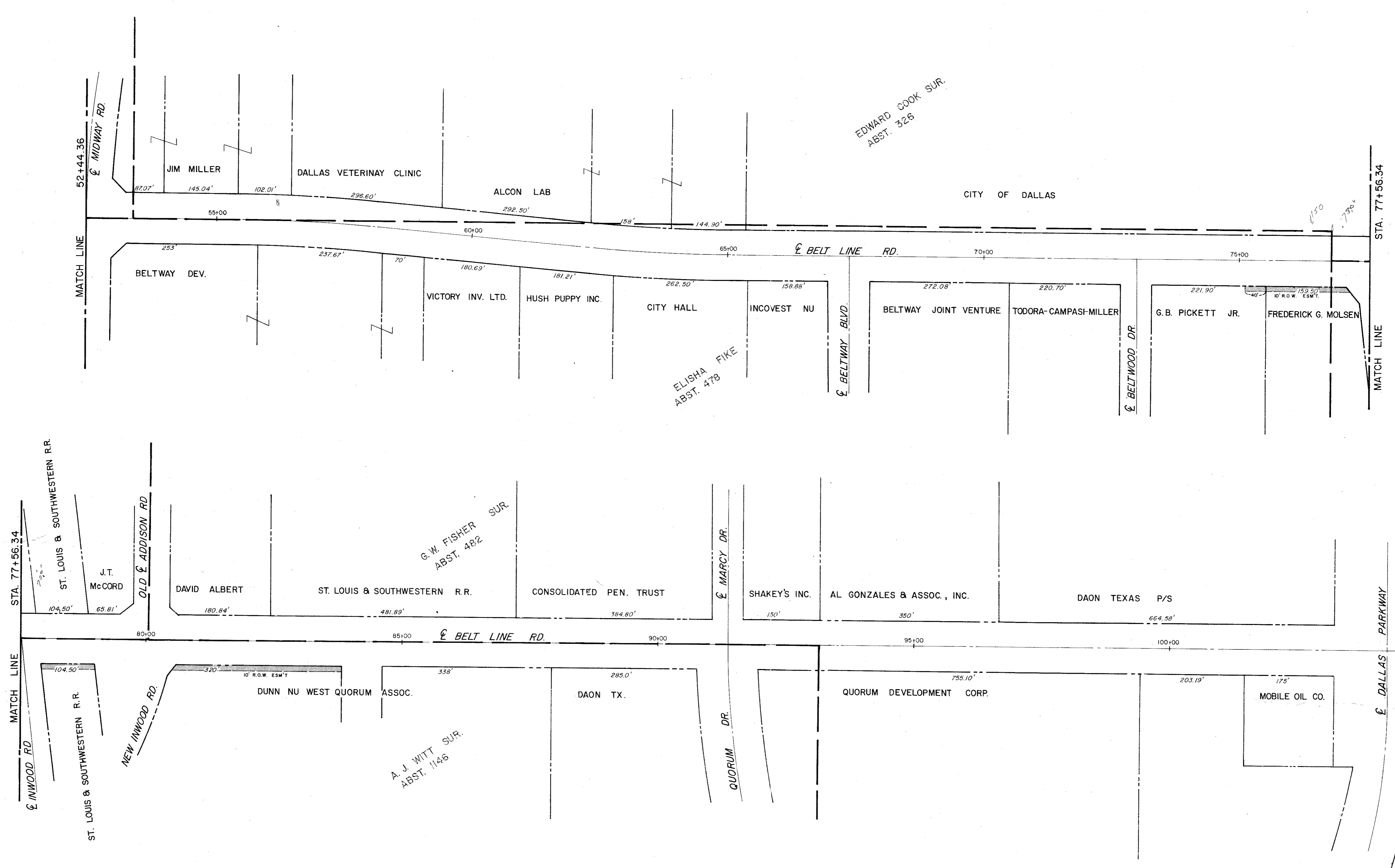
**SHEET INDEX**

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



CITY OF ADDISON			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
LOCATION - R.O.W. MAP			
<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 1 OF



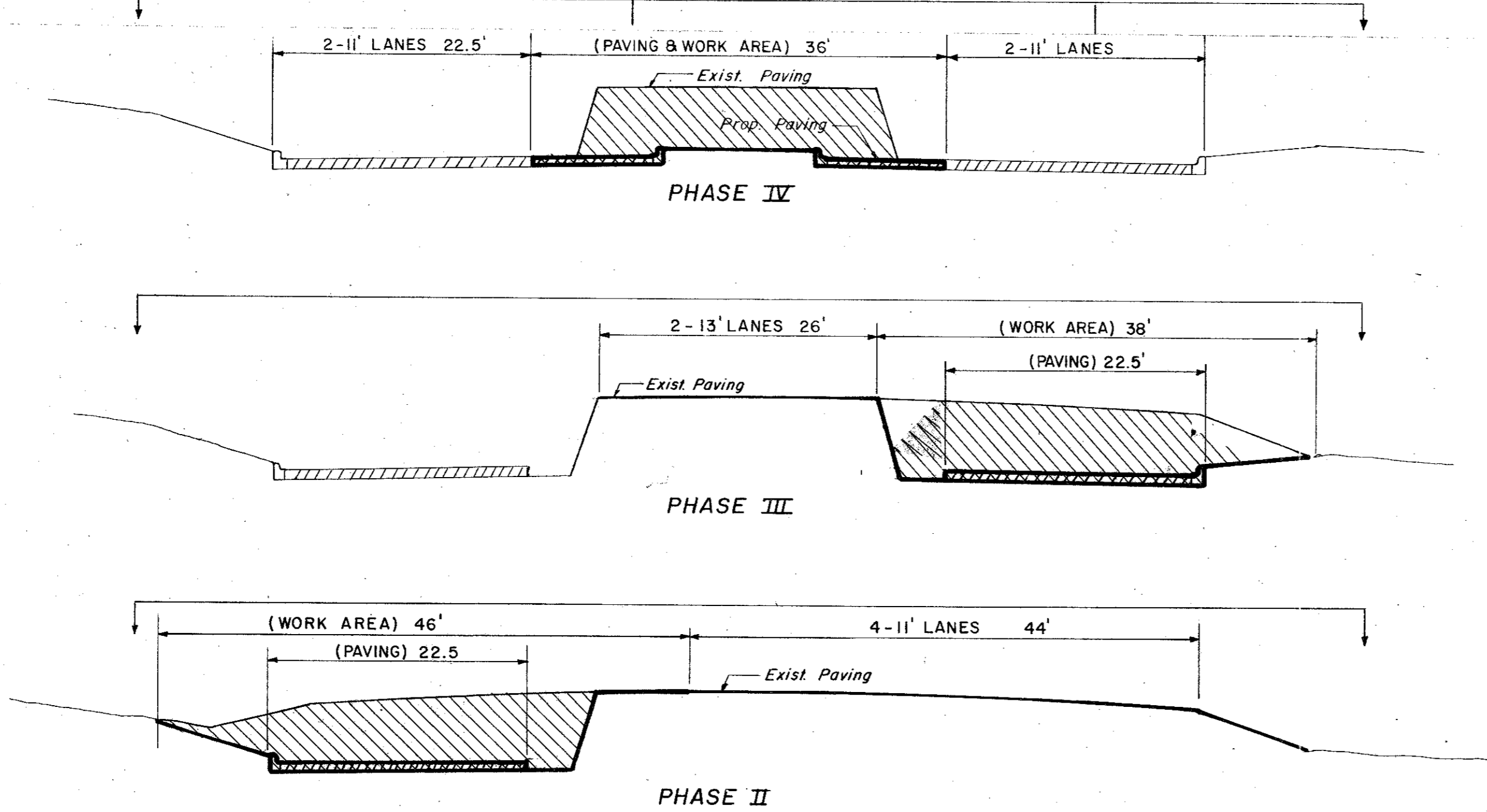
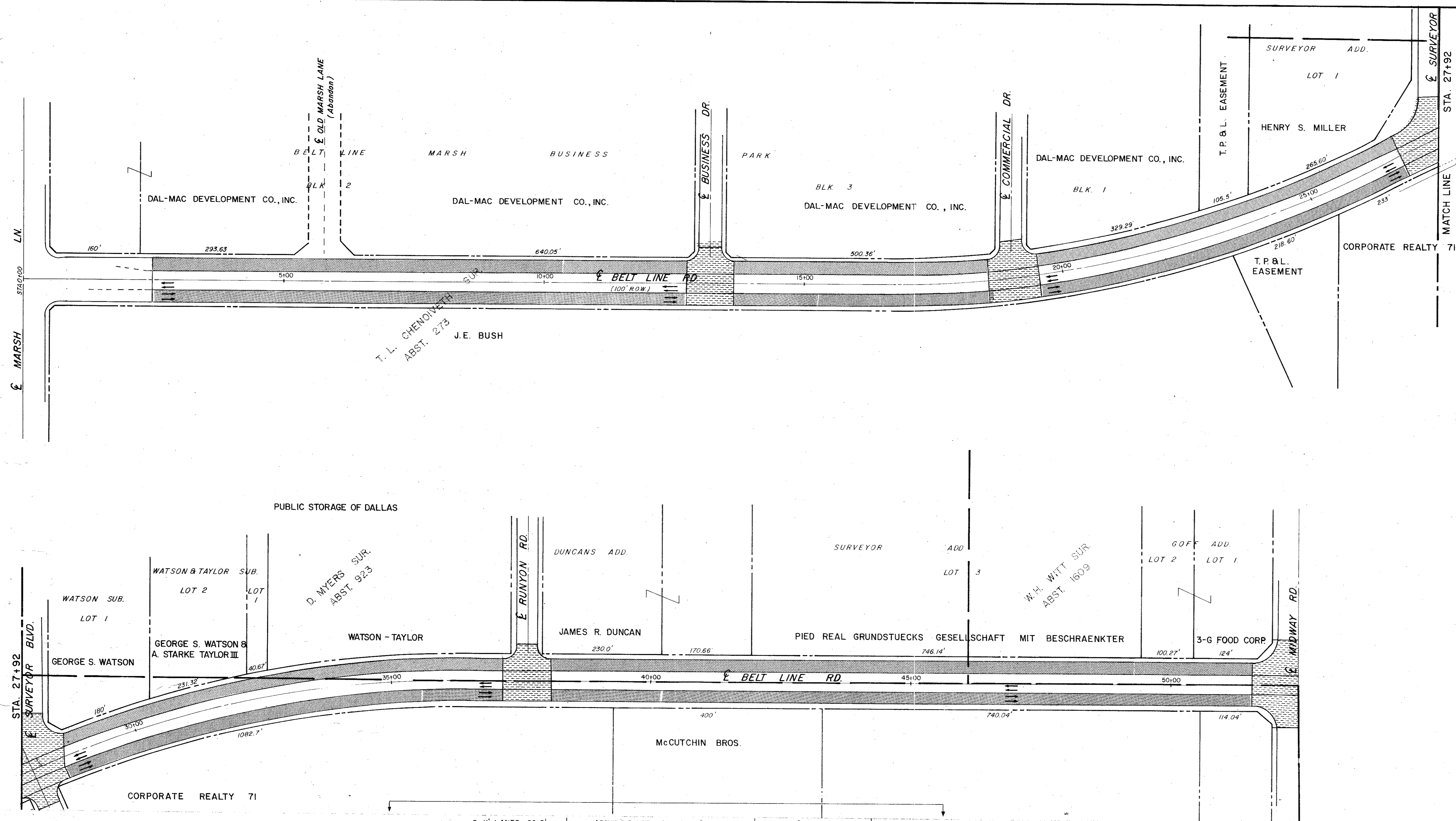
<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
LOCATION: R.O.W. MAP			
<b>BELT LINE ROAD</b>			
MARSH LANE TO NORTH DALLAS PKWY.			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980	FILE
APPROVED-H.W.G.	CHECKED-S.M.	SCALE-1"=100'	SHEET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

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	45" R.C.P. Class III	112	L.F.
580	Field Office Ty. A	1	L.S.	465.8	48" R.C.P. Class III	385	L.F.
630.1	Foundation Ty. A	17	E.A.	465.9	54" R.C.P. Class III	860	L.F.
630.2	Foundation Ty. B	6	E.A.	465.10	60" R.C.P. Class III	423	L.F.
630.3	Foundation Ty. C	12	E.A.	465.11	66" R.C.P. Class III	15	L.F.
630.4	Foundation Ty. D	48	E.A.	465.12	72" R.C.P. Class III	310	L.F.
630.5	Signal Controller Foundation	4	E.A.				
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	E.A.
640.3	3" P.V.C. Conduit	3149	L.F.	470.2	10" Rec. Inlet	25	E.A.
640.4	Pull Box	81	E.A.				
752.1	P15W Traffic Button	1051	E.A.	470.3	8" Std. Curb Inlet	1	E.A.
752.2	P18-W Traffic Button	458	E.A.	470.4	10" Std. Curb Inlet	4	E.A.
752.3	P17Y Traffic Button	293	E.A.	470.5	6" Modified Rec. Curb Inlet	2	E.A.
754.1	P7W Traffic Button	4982	E.A.	479.3	Adjust 20" & 24" Water Main	155	L.F.
479.1	Adjust Water Valve	60.0	E.A.	479.4	Adjust 8" Water Water Main	259	L.F.
479.2	Adjust Manholes	12	E.A.	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	E.A.	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	E.A.	567	Wire Fence	2300	L.F.
2203.4	Adjust Manhole (Dallas)	5.0	E.A.	470.6	10' (Mod.) Rec. Inlet	1	E.A.
				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 & Parpet (Sta. 1717.3)	1	L.S.
				496.6	Remove 24" R.C.P.	12	L.F.
				421.5	10x6 Double Box Culvert THD. MCW-I(Mod.)	1	L.S.
				464.2	Relay 24" R.C.P.	12	L.F.
				420.1	8" Reinf. Conc. Plug Wall	1	L.S.
				421.4	Conc. Parapet 8x8 Box Culvert	4.2	C.Y.
				440.5	Reinf. Steel - Parapet 8x8 Box Culvert	364	LBS

6/13/1980  
REV DATE 5/27/1980

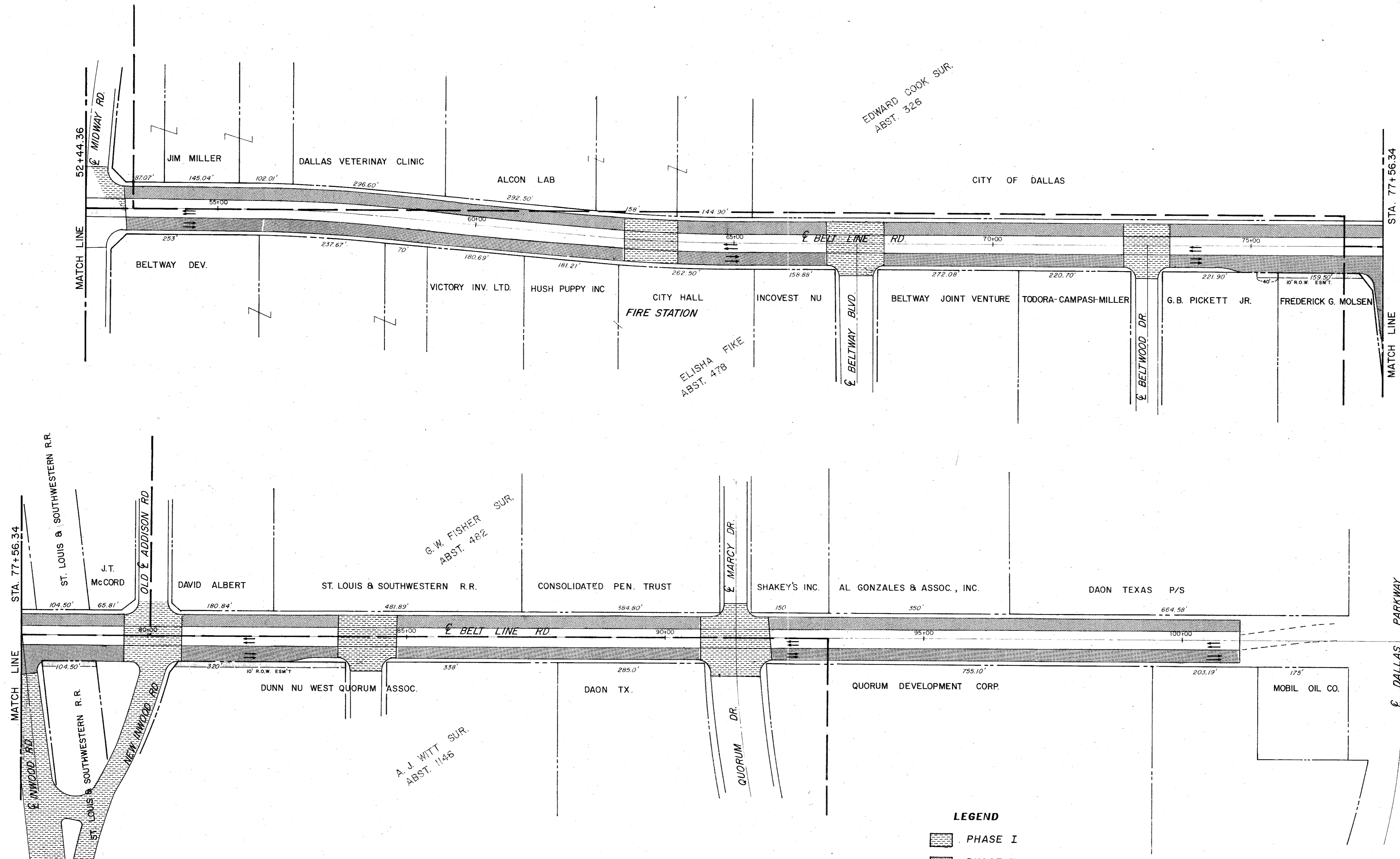
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 SUMMARY OF QUANTITIES  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED-H.B.J. DRAWN-B.H.L. 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>			
CONSTRUCTION SEQUENCE			
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 4 OF

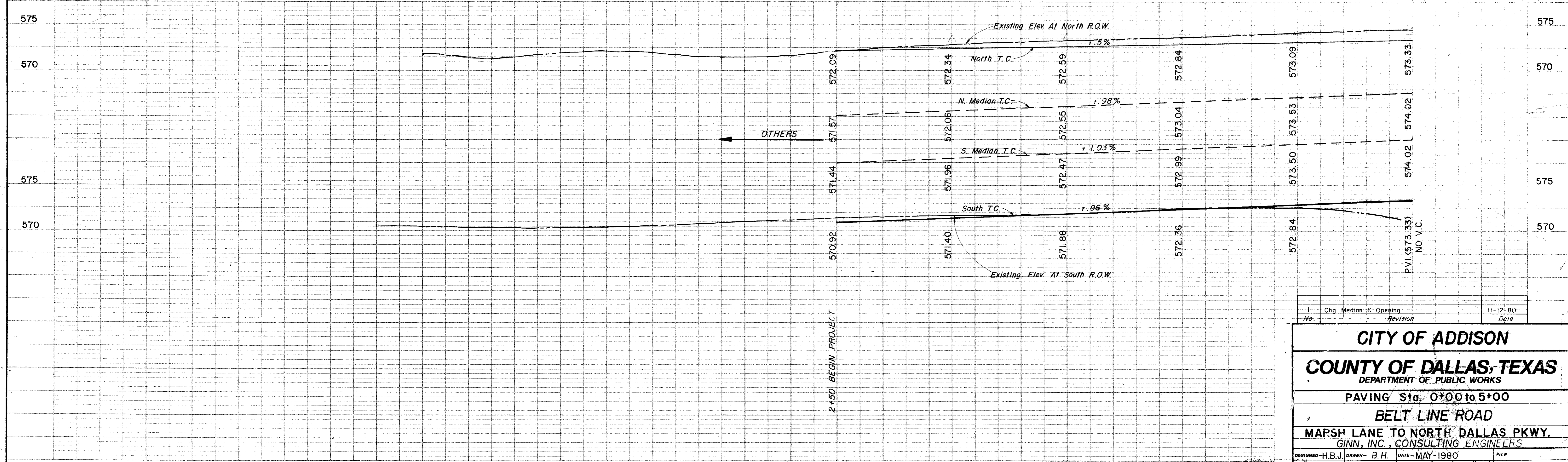
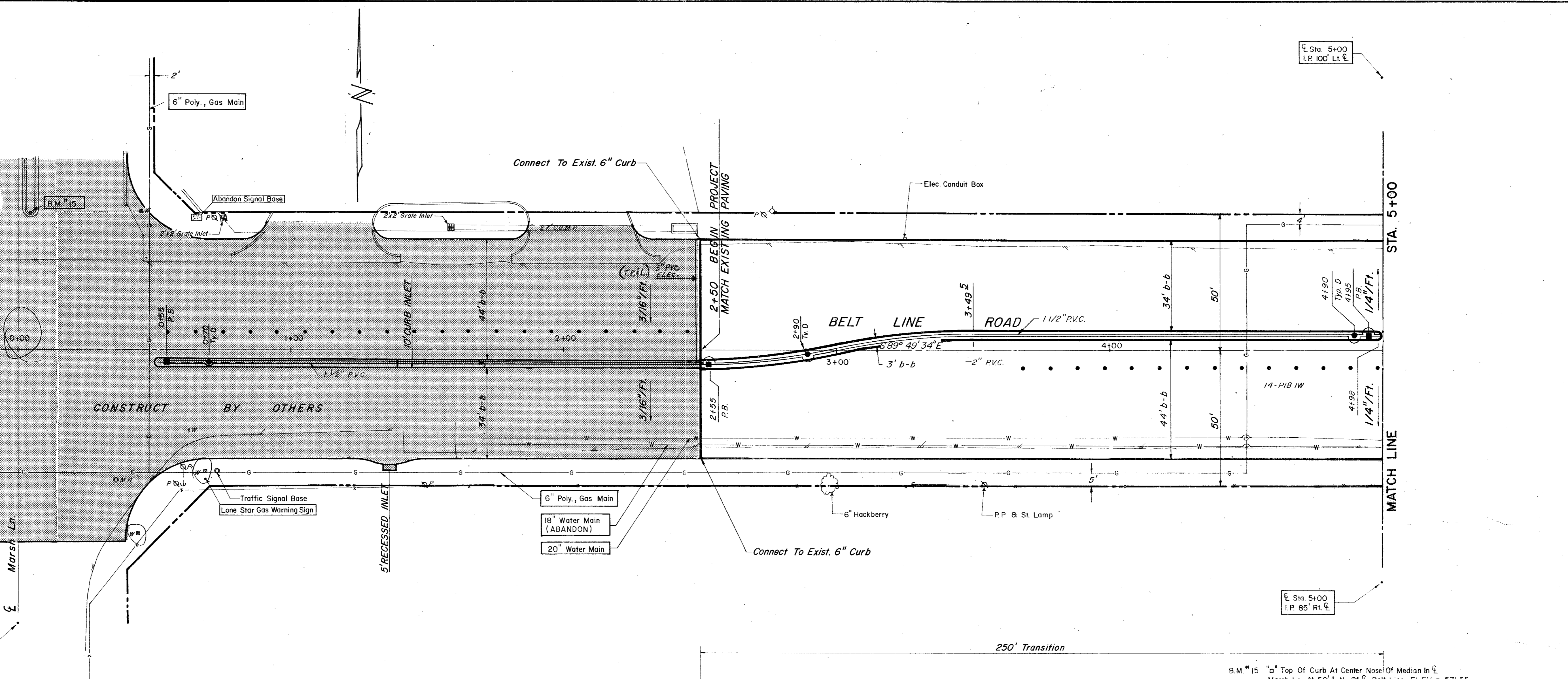
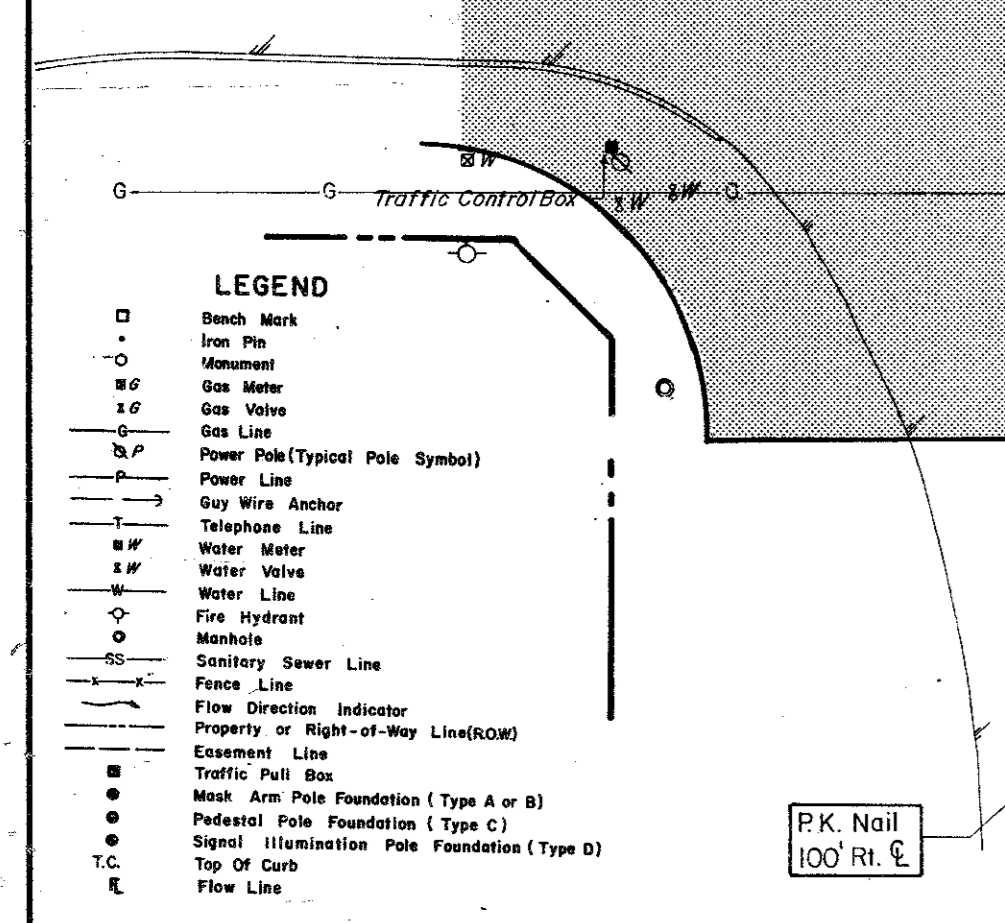


- LEGEND**
- PHASE I
  - PHASE II
  - PHASE III
  - PHASE IV

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

**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 Com) (Ty A, Gr 2, Cl 3)	CY	---
260.1	Lime (Ty A) 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 (2000 PSI)	SY	84
360.4	Conc. Sl Header	LF	78
640.5	2" PVC SCH 40 (Conc Encasement)	LF	60
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	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



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

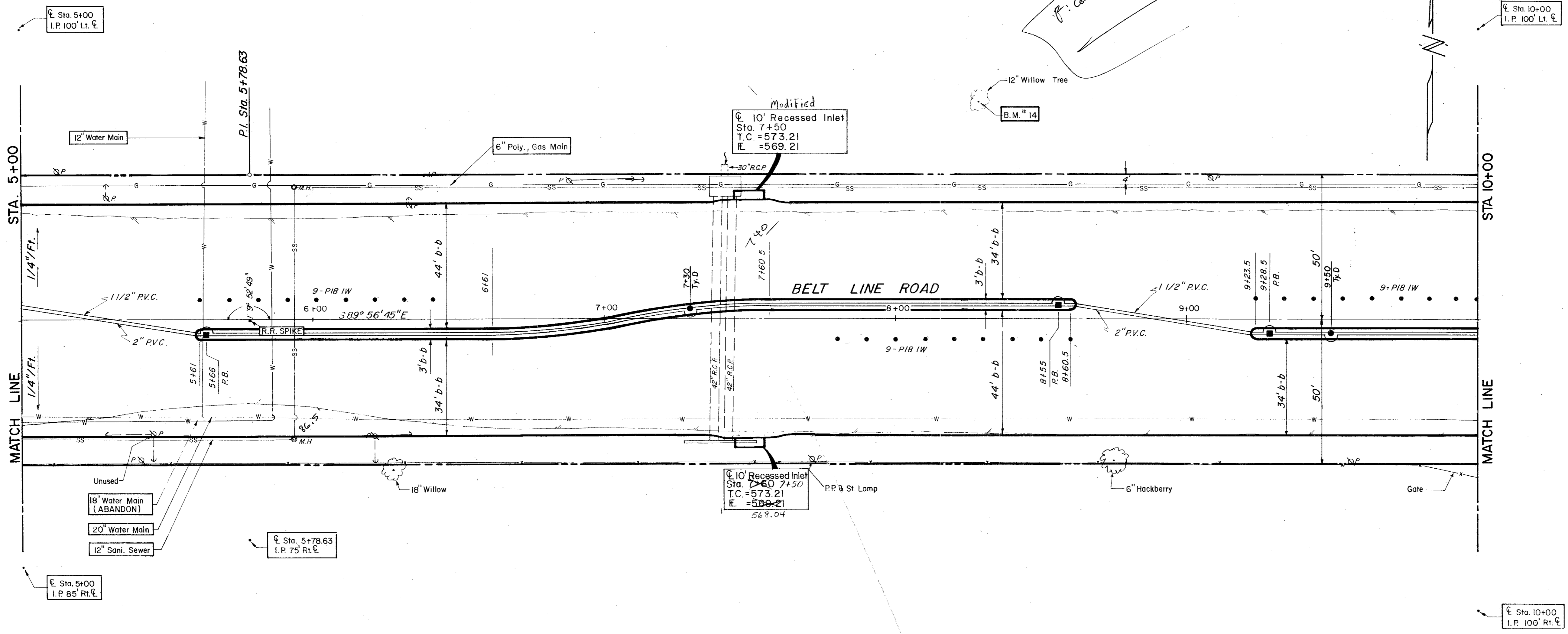
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 0+00 to 5+00  
**BELT LINE ROAD**  
 MAPSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

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

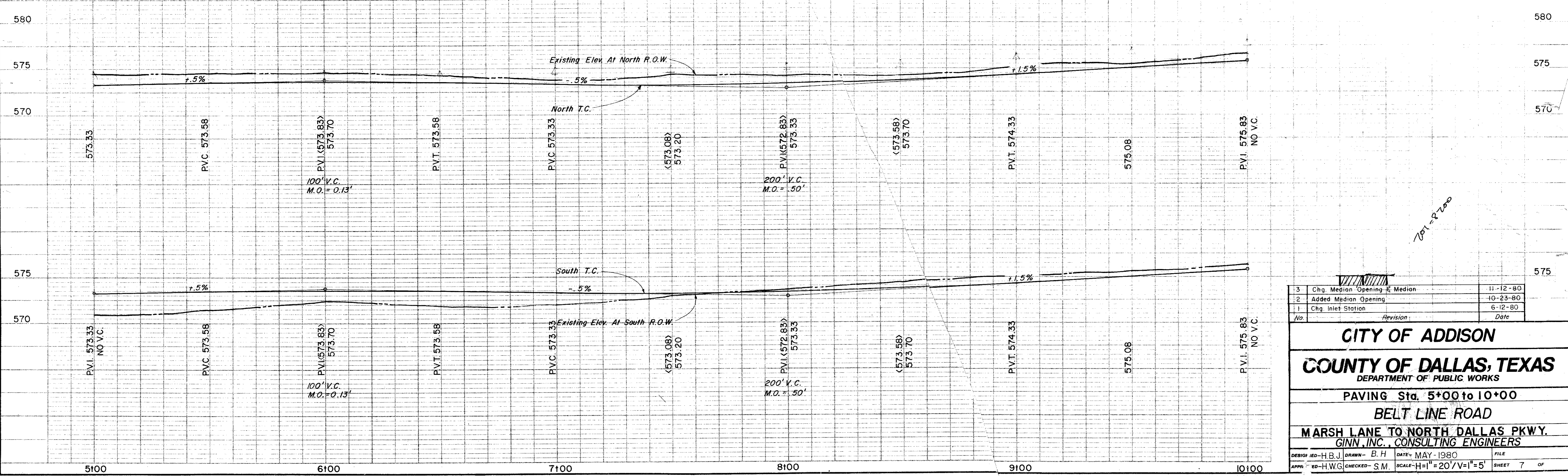


ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	
110	Unclassified Road Excavation (Dens Cont.)	CY	3937
160	Placing 4" Topsoil	CY	79.44
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	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 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	4374.70
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1704
360.3	4" Non-Reinf Conc in Median (2000 PSI)	SY	125.33
479.2	Adjust Manhole	EA	1
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	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 White	EA	27
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	240

LEGEND	
□	Bench Mark
○	Top Pin
○	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
○	Force 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



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



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

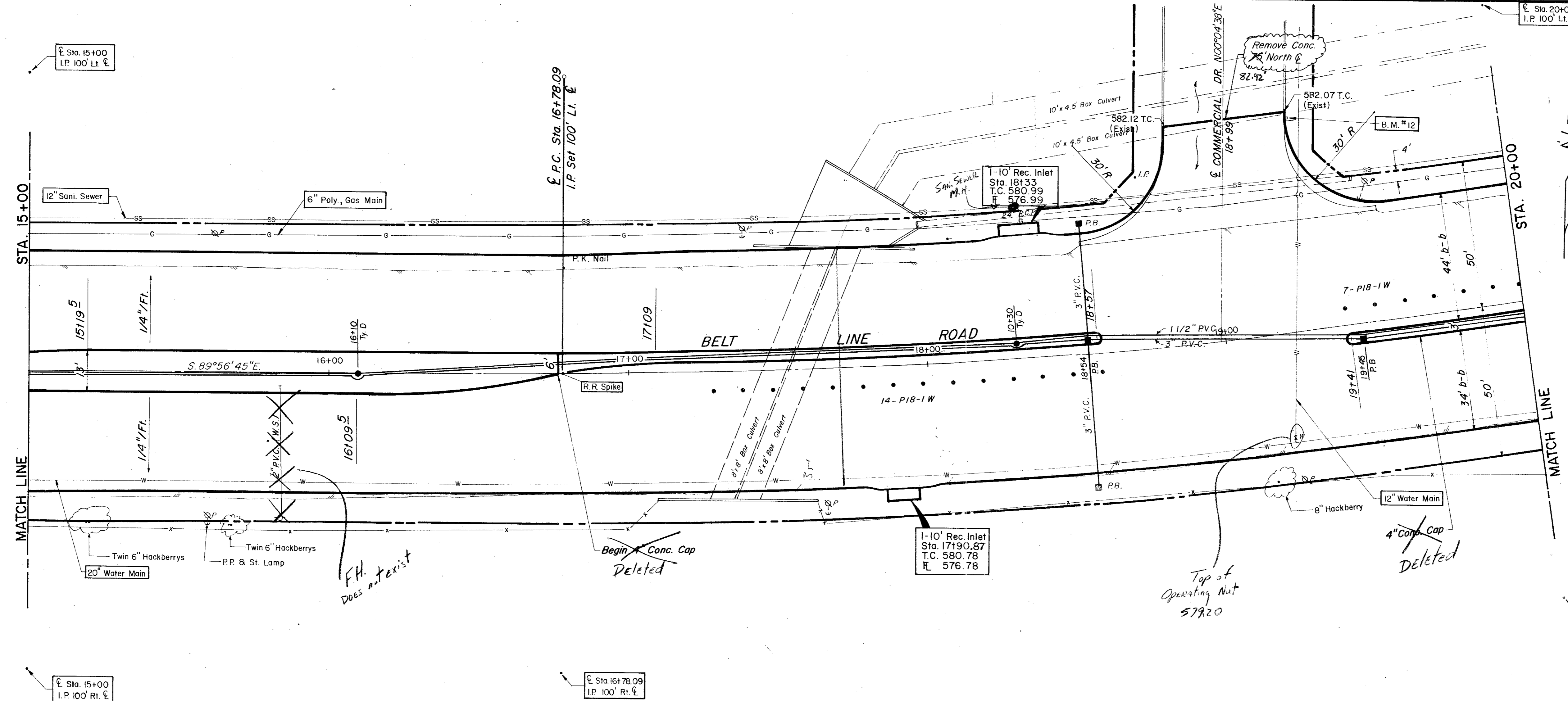
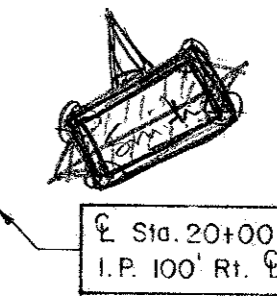
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 PAVING Sta. 5+00 to 10+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGN: ED-H.B.J. DRAWN: B.H. DATE: MAY-1980 FILE  
 APPR: ED-H.W.C. CHECKED: S.M. SCALE: H=1"=20' V=1"=5' SHEET 7 OF

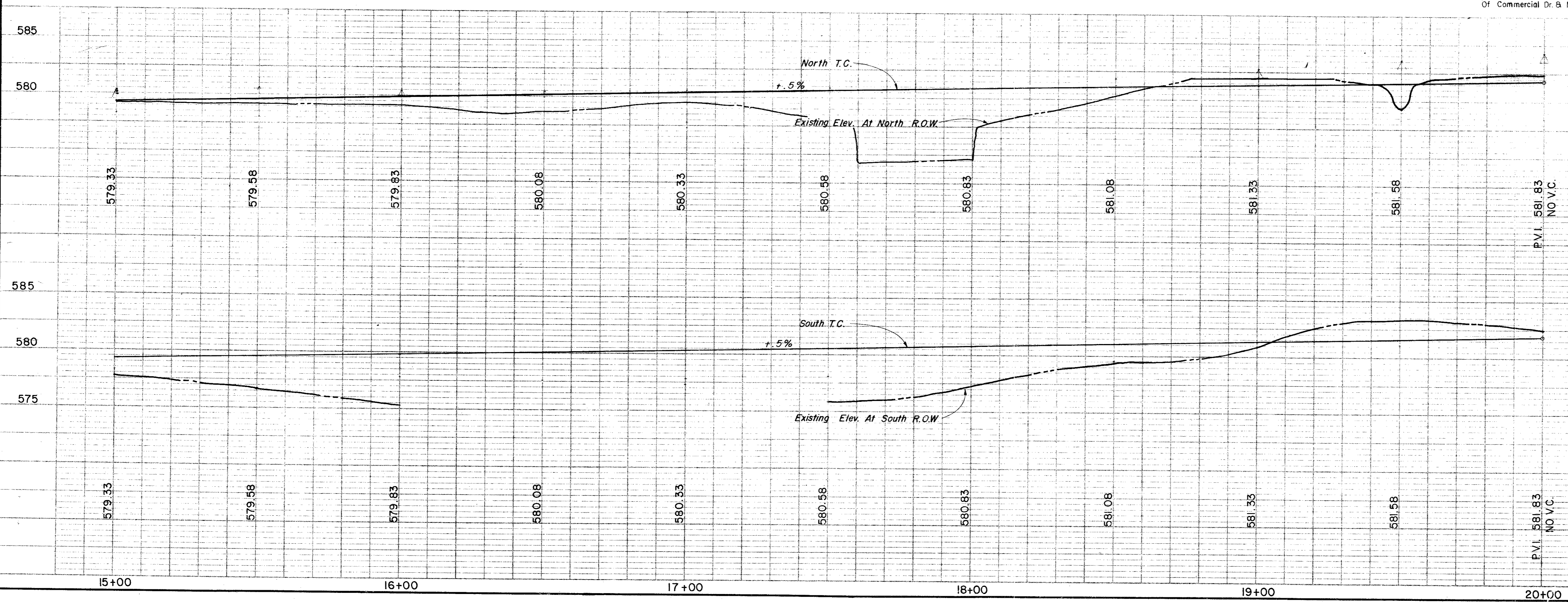


ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	223
104.2	Sawed Break-Out Groove	LF	41.5
110	Unclassified Road Excavation (Dens Cont.)	CY	2704
160	Placing 4" Topsoil	CY	25.24
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, C1 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 Asp (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 Pole Base
⊕	Mast Arm Pole Foundation (Type A or B)
⊕	Pedestal Pole Foundation (Type C)
⊕	Signal Illumination Pole Foundation (Type D)
T.C.	Top of Curb
E	Flow Line



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



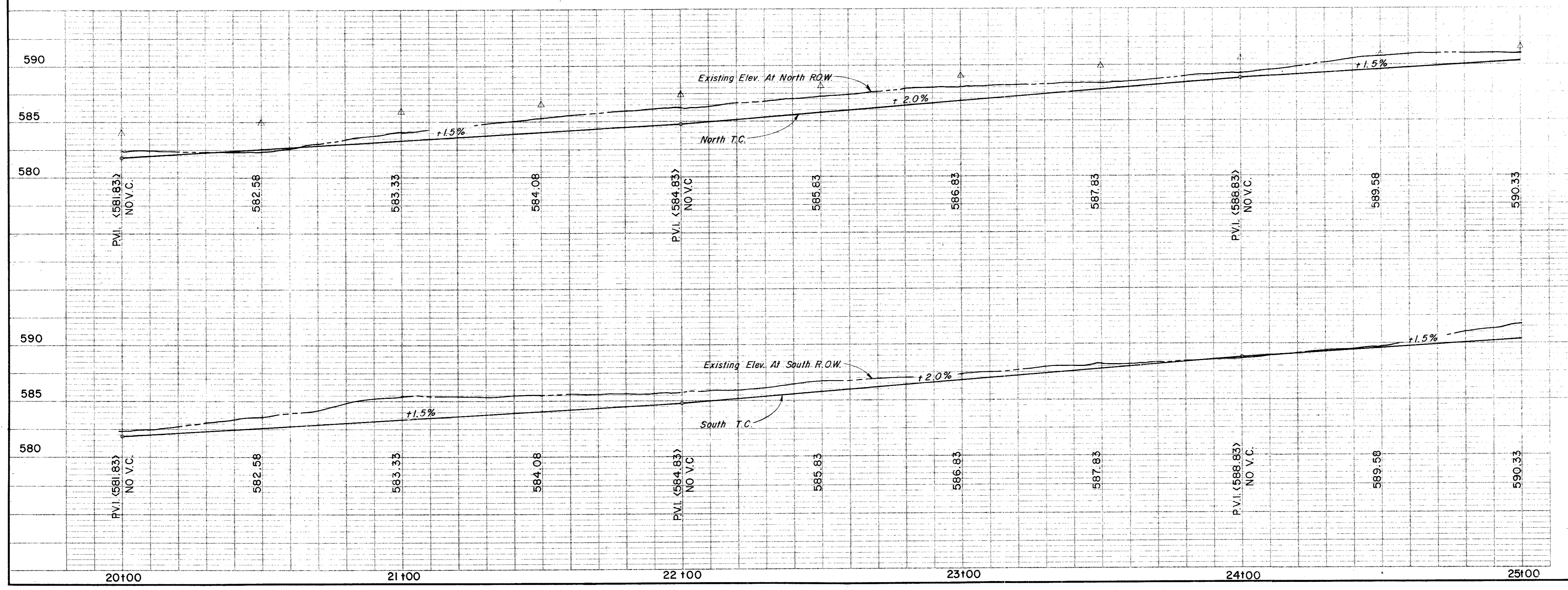
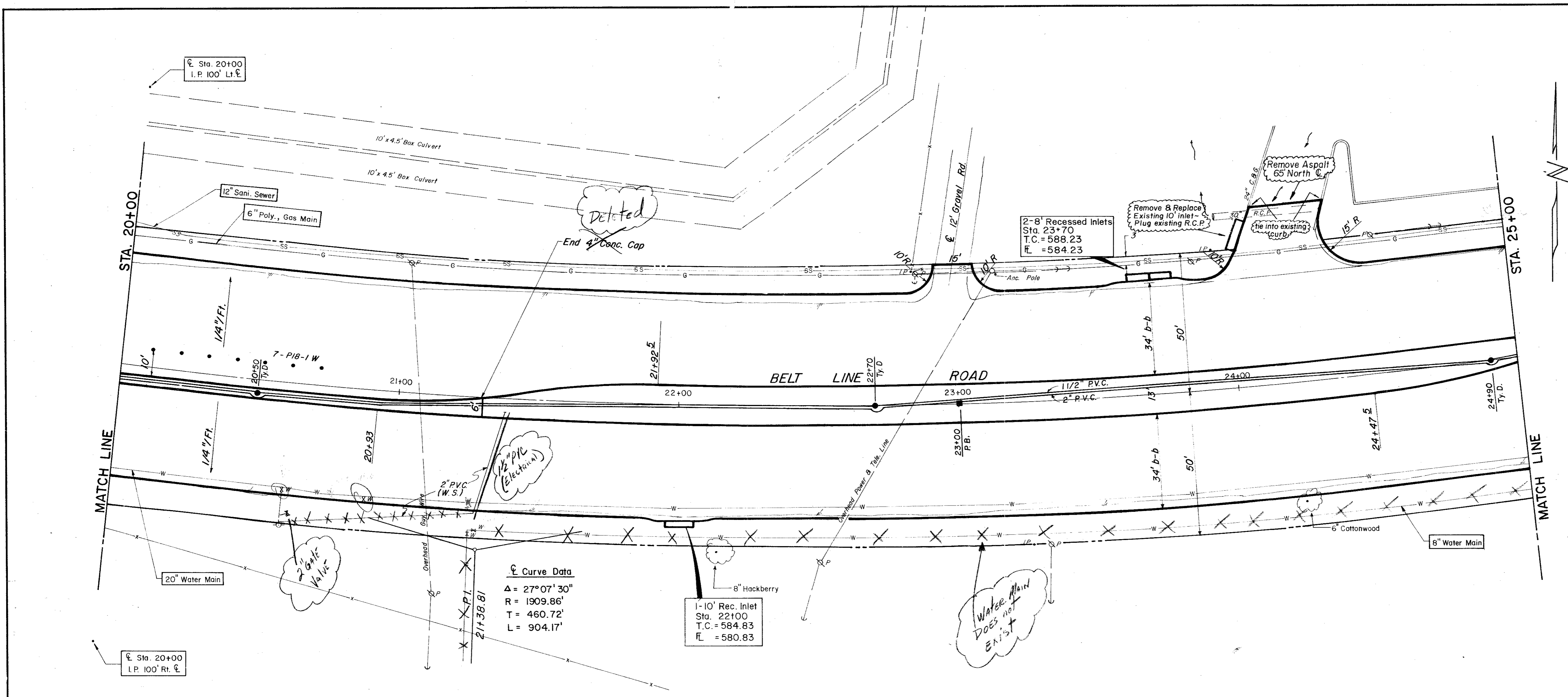
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

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 - HWG 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)	SY	4224.22
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	91.68
340.2	6" Hot Mix Asph (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(2000PSI)	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(3000PSI)	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 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
⊙	Manhole Pole Foundation (Type A or B)
⊙	Pedestal Pole Foundation (Type C)
⊙	Signal Illumination Pole Foundation (Type D)
T.C.	Top of Curb
F.L.	Flow Line

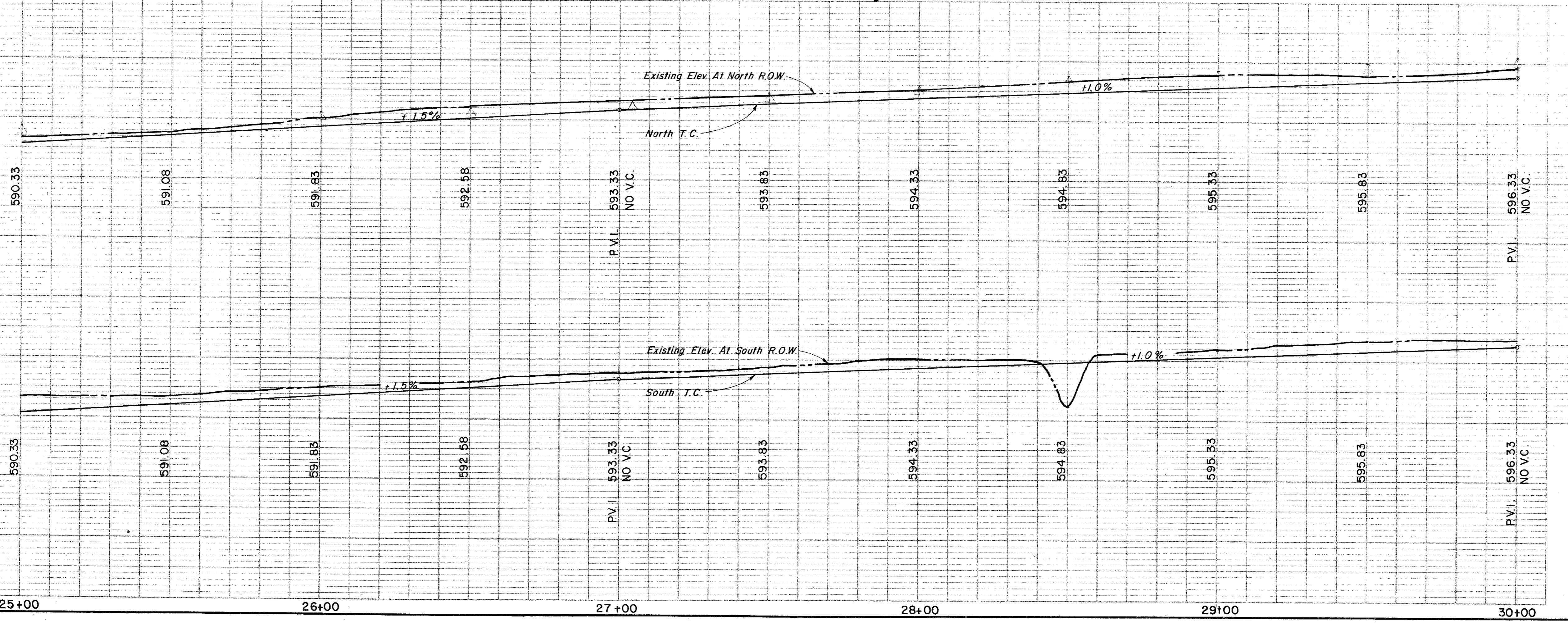
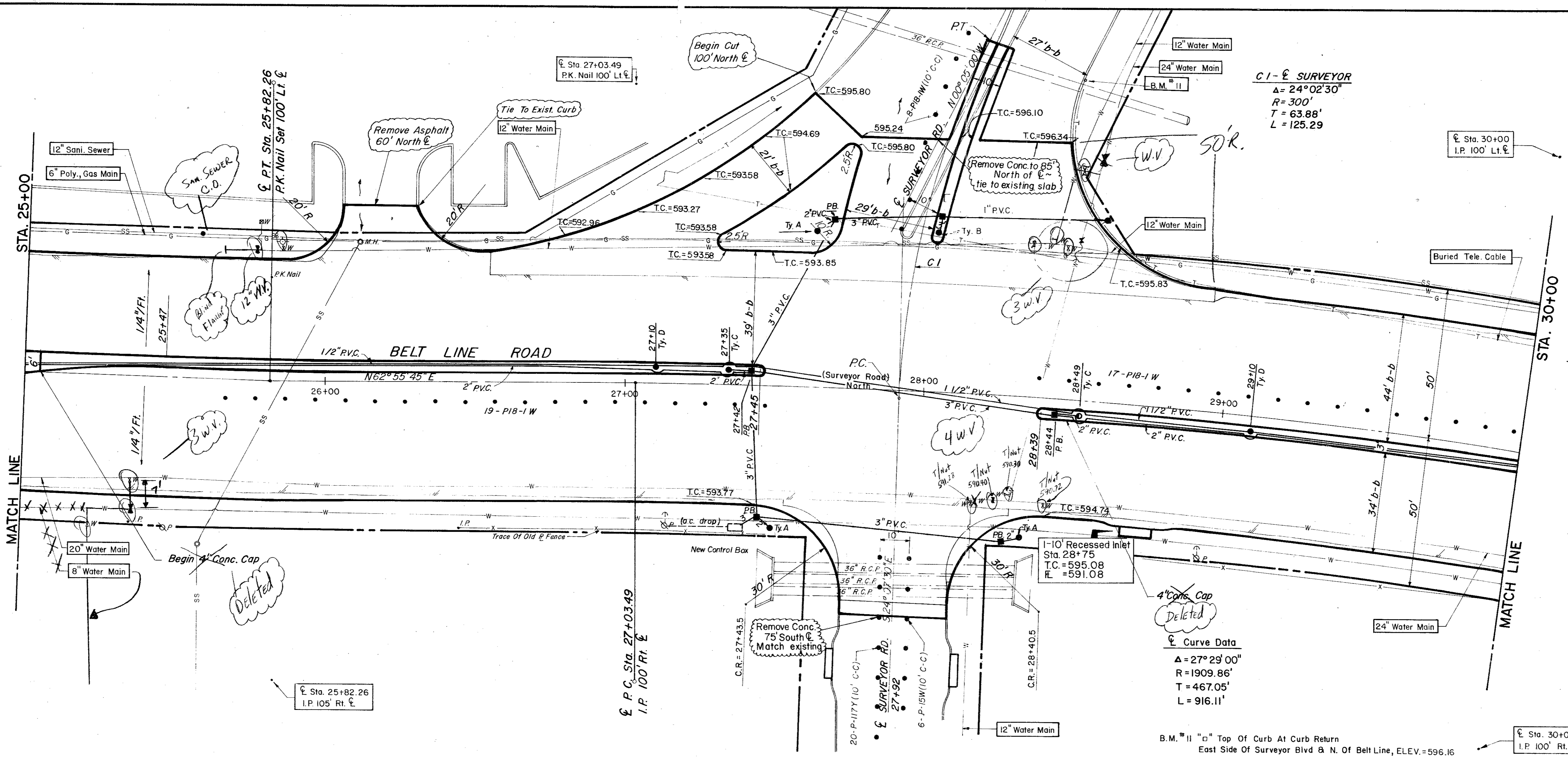


**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**PAVING Sta.20+00 to 25+00**  
**BELT LINE ROAD**  
**MARSH LANE TO NORTH DALLAS PKWY.**  
**GINN, INC., CONSULTING ENGINEERS**

DESIGNED-H.B.J. DRAWN-B.H.J. DATE-MAY-1980 FILE  
 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 Asph(Ty D) Resurf Shoulder	Ton	75.17
340.2	6" Hot Mix Asph(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(2000PSI)	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 Dbl Refl; Ty P17 Yellow	EA	20
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc(3000PSI)	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	1/2" 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-White	EA	44
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	200

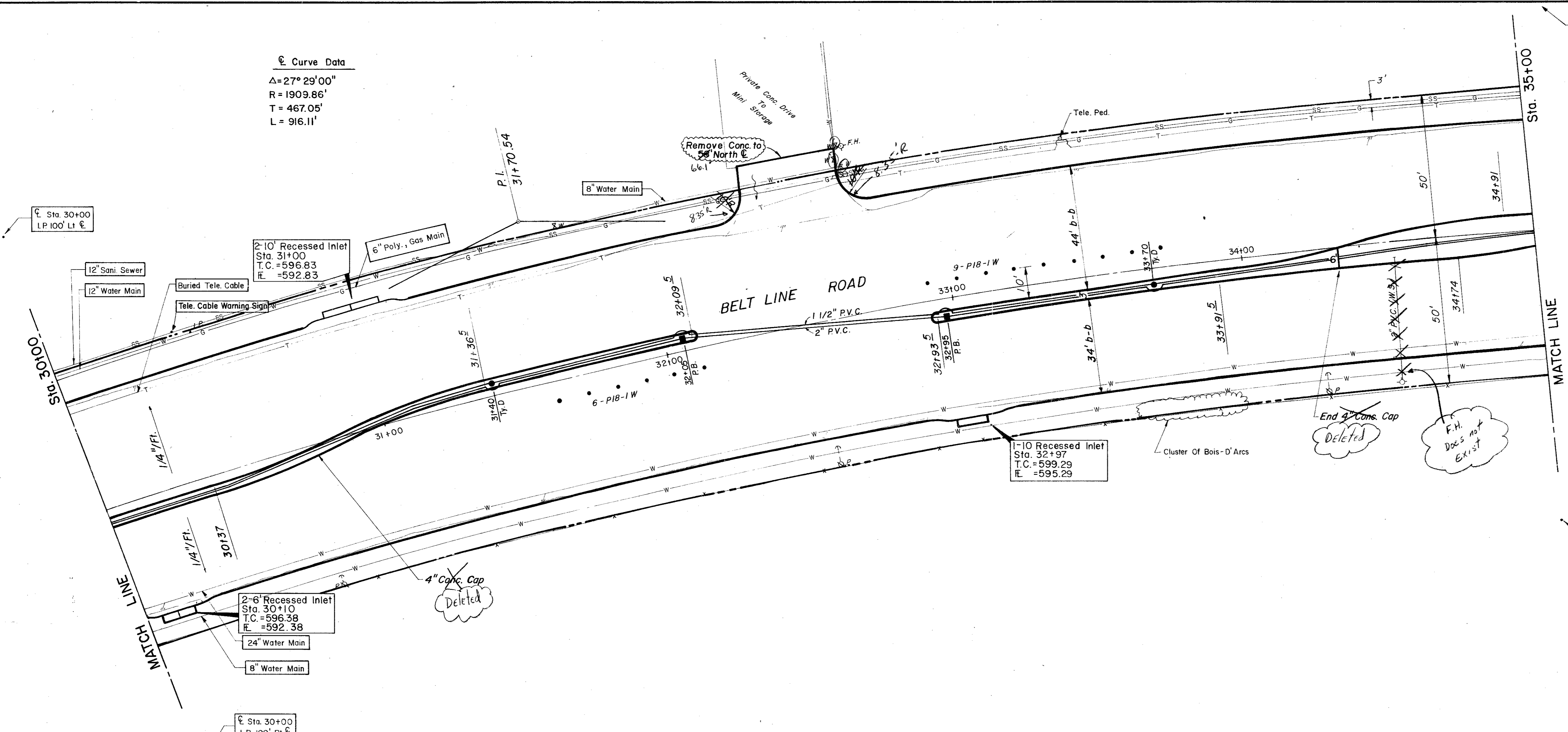
LEGEND	
○	Beach Mark
●	Iron Pin
—	Manhole
—	Gas Main
—	Gas Valve
—	Gas Line
—	Power Pole (Typical Pole Symbol)
—	Power Line
—	Guy Wire Anchor
—	Telephone Line
—	Water Valve
—	Water Line
—	Fire Hydrant
—	Manhole
—	Sanitary Sewer Line
—	Fence Line
—	Flow Direction Indicator
—	Property or Right-of-Way Line(R.O.W)
—	Easement Line
—	Traffic Pull Box
—	Mark Arm Pole Foundation (Type A or B)
—	Palisade 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. 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

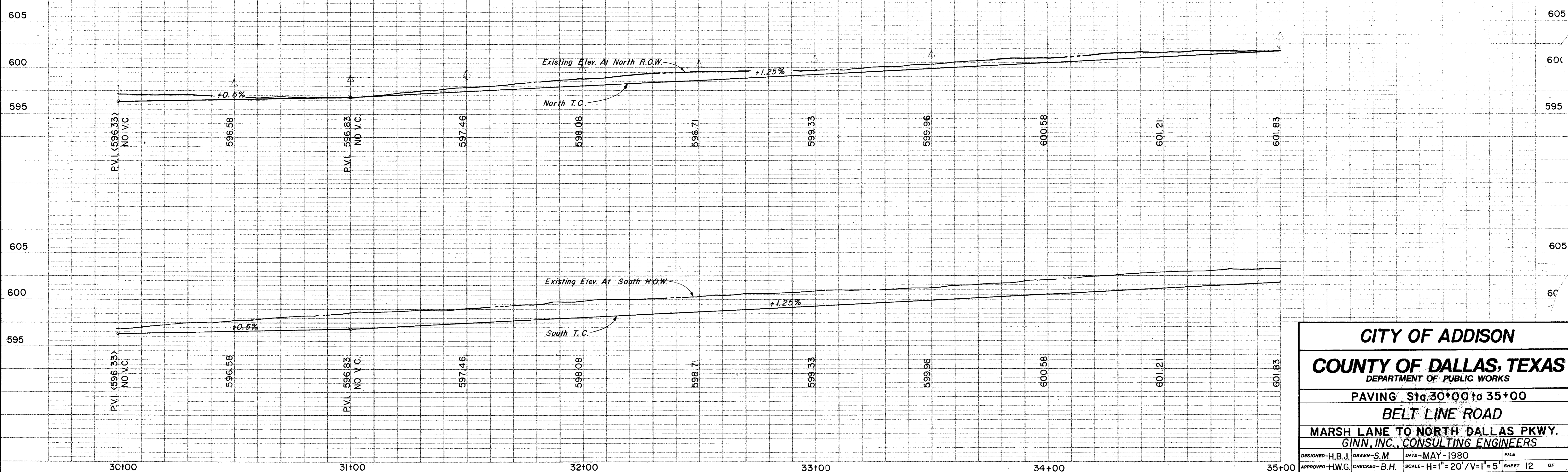
Curve Data  
 $\Delta = 27^\circ 29' 00''$   
 $R = 1909.86'$   
 $T = 467.05'$   
 $L = 916.11'$



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	LF	34
104.2	Sawed Break-Out Groove	CY	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, Appr 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

- Bench Mark
- Iron Pin
- Monument
- Gas Meter
- Gas Valve
- Power Pole (Typical Pole Symbol)
- Guy Wire Anchor
- Telephone Line
- Power Line
- Water Main
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- File Direction Indicator
- Property or Right-of-Way Line (ROW)
- Encasement Line
- Traffic Pull Box
- Mask Arm Pole Foundation (Type A or B)
- Hexagonal 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

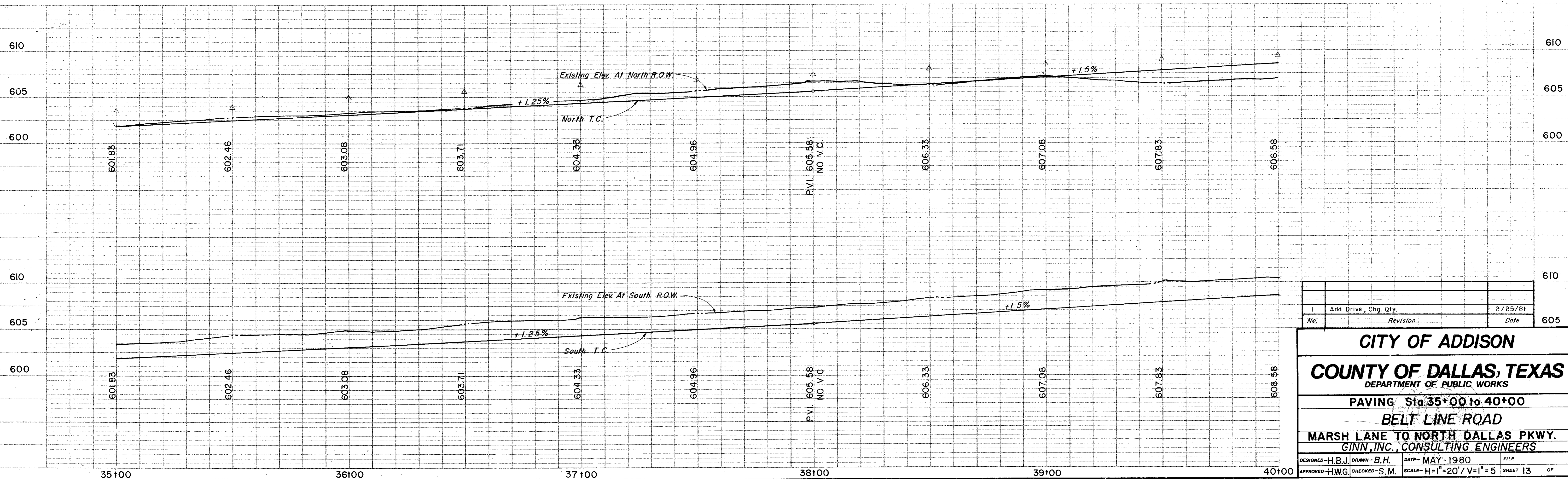
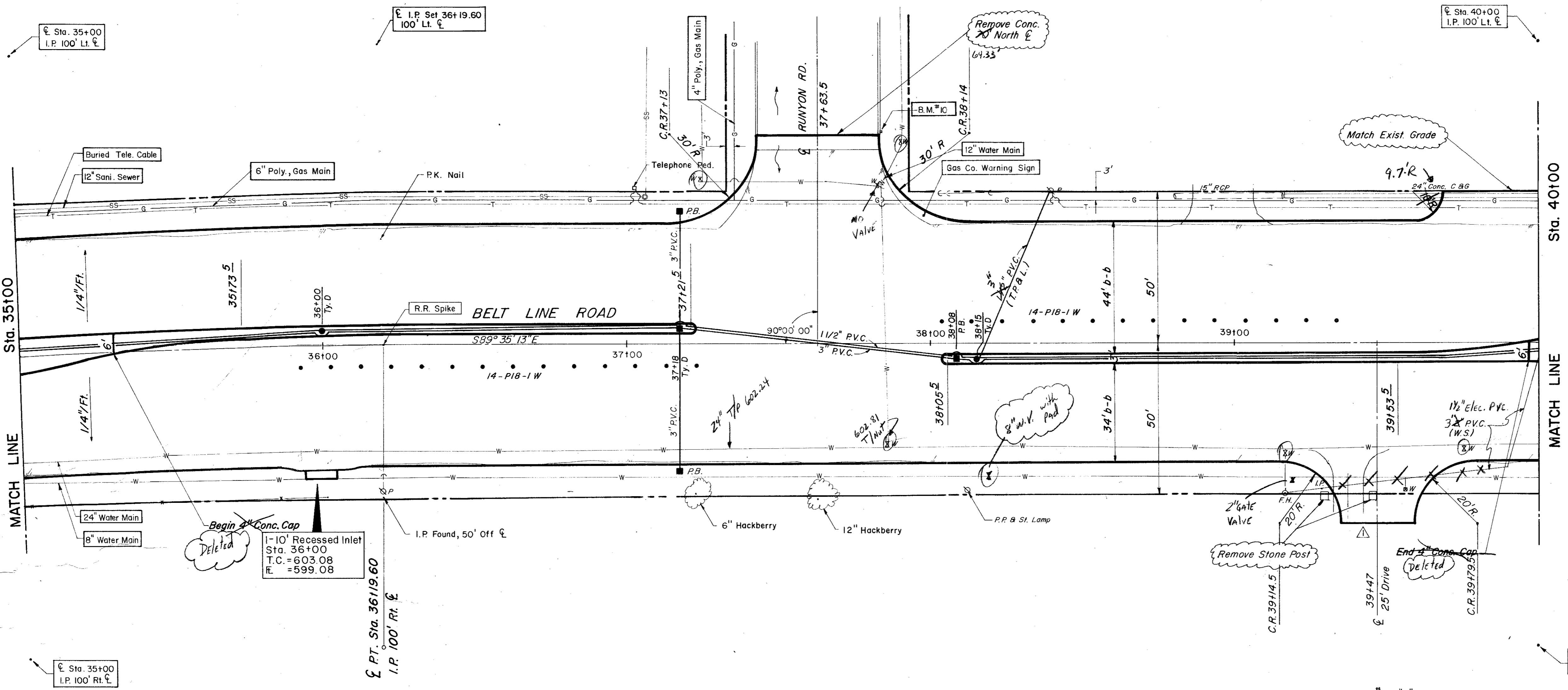
PAVING Sta. 30+00 to 35+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

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	SY	27
104.2	Sawed Break-Out Groove	LF	72
110	Unclassified Road Excavation (Dens Cont.)	CY	4343
160	Placing 4" Topsoil	CY	3.63
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	47.97
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3837.23
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	77.01
340.2	6" Hot Mix Asphalt (Ty B)	Ton	299.08
360.1	8" Conc Pavement (3000 PSI)	SY	4514.54
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1697
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	134.30
4731	Adjust Water Valves	EA	4
479.2	Adjust Manhole	EA	1
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	118.28
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	560
640.2	2" PVC Conduit, Furnish & Install	LF	410
640.3	3" PVC Conduit, Furnish & Install	LF	175
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-I White	EA	28
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	220

LEGEND	
○	Match Mark
●	Iron Pin
○	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
○	Face Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (R.O.W.)
○	Easement Line
○	Traffic Sign Box
○	Mark Iron Pole Foundation (Type A or B)
○	Precast Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top Of Curb
○	Flow Line

B.M. 10 "a" Top Of Curb At Curb Return East Side Of Runyon Rd. & North Of Belt Line, ELEV. = 606.00



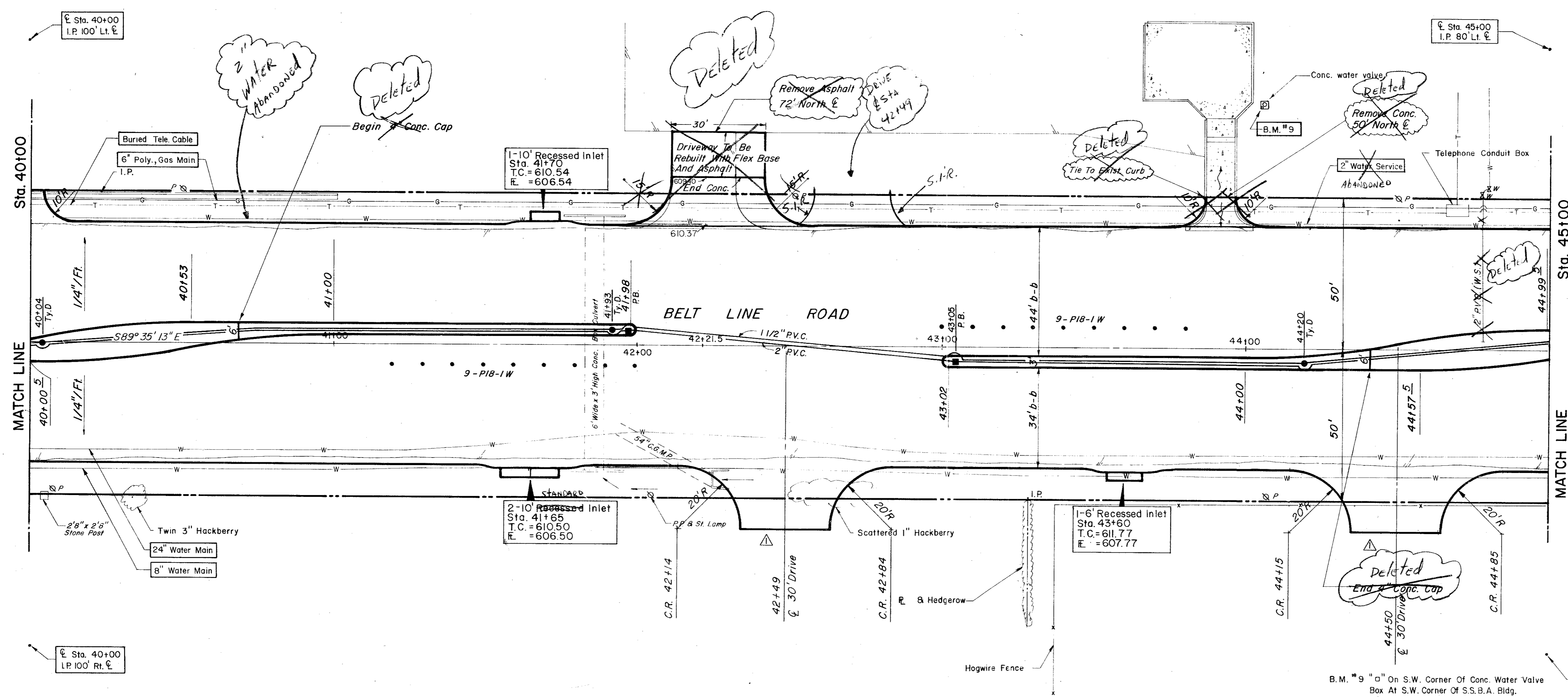
No.		Revision	Date
1	Add Drive, Chg. Qty.		2/25/81

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

PAVING Sta. 35+00 to 40+00  
**BELT LINE ROAD**

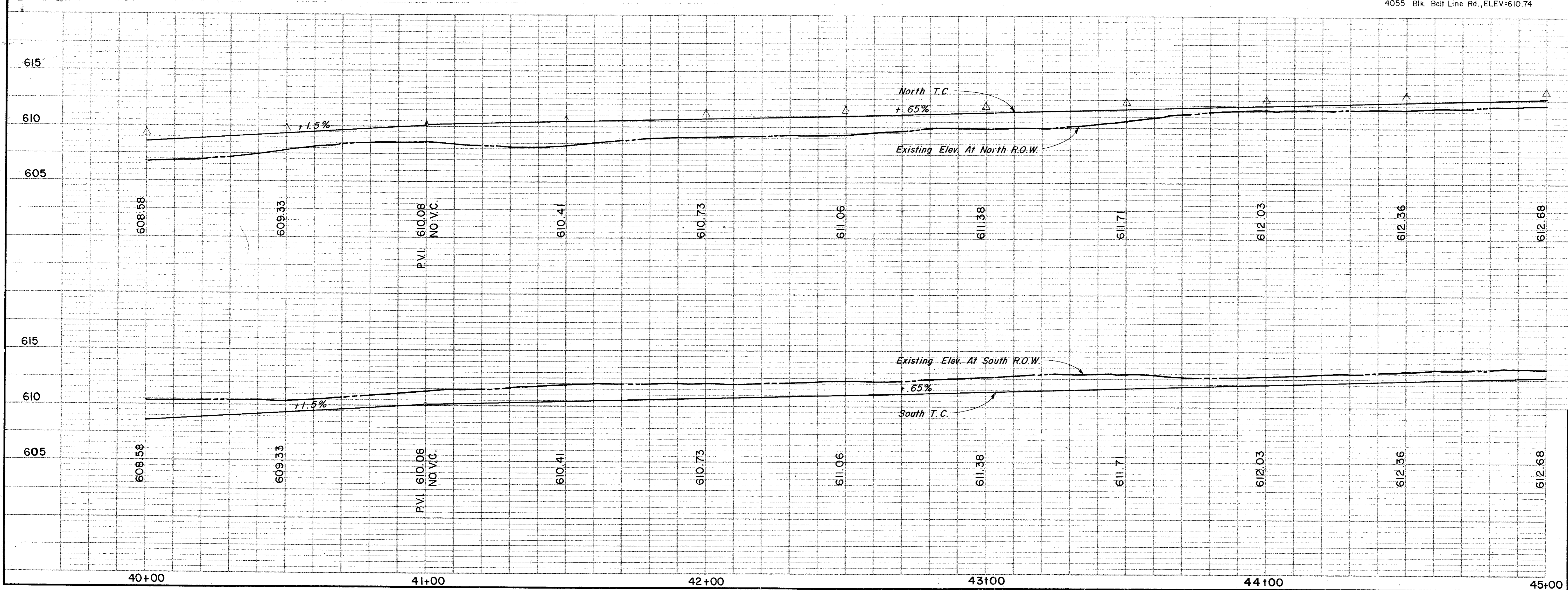
MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

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 13 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	45
110	Unclassified Road Excavation (Dens Cont.)	CY	2618
160	Placing 4" Topsoil	CY	16.27
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	10
260.1	Lime (Ty A) Slurry Method	Ton	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)	L.F.	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, Appr 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	
□	Dech 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 Pole Box
○	Manhole Core Pole Foundation (Type A or B)
○	Recessed Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Flow Line

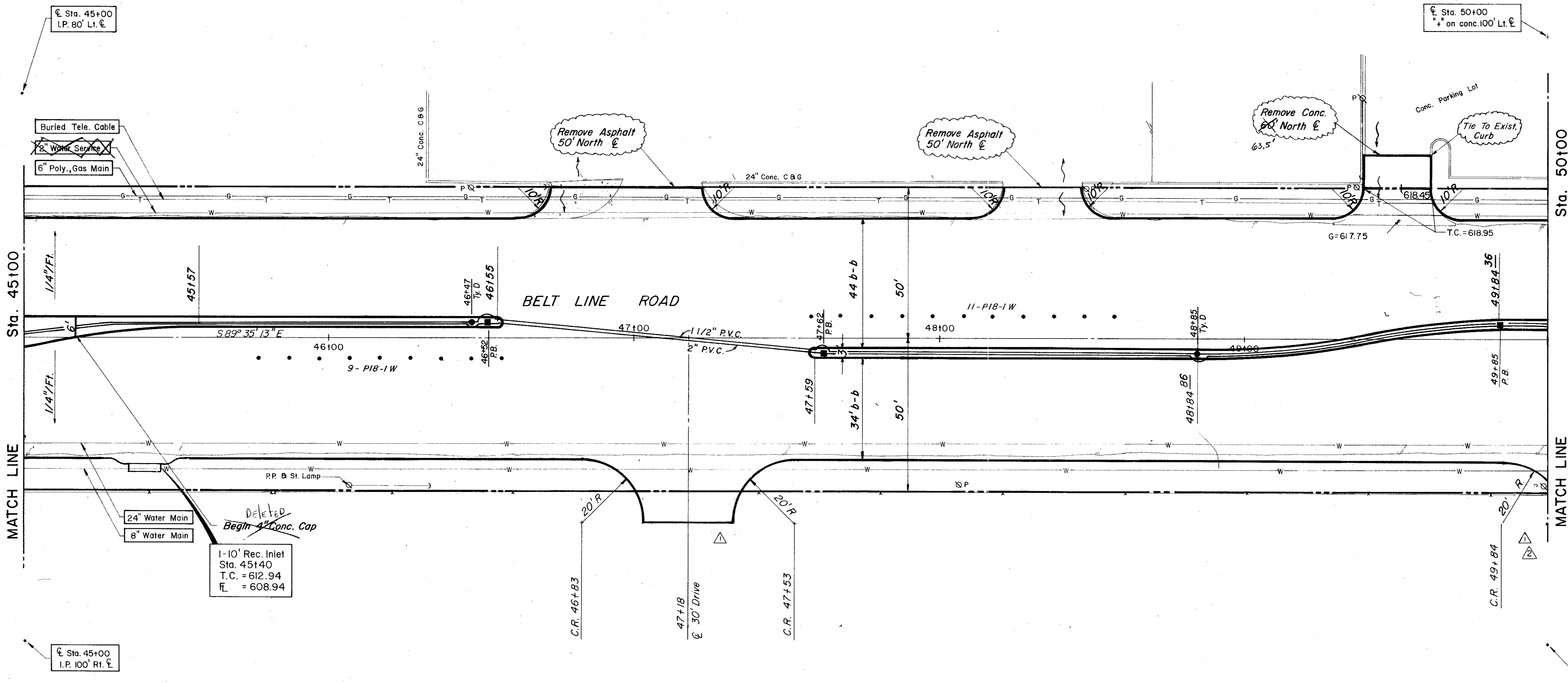


No.	Revision	Date
1	Add Drives - 42+49, 44+50 & Chg Qty's	2/25/81

**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**

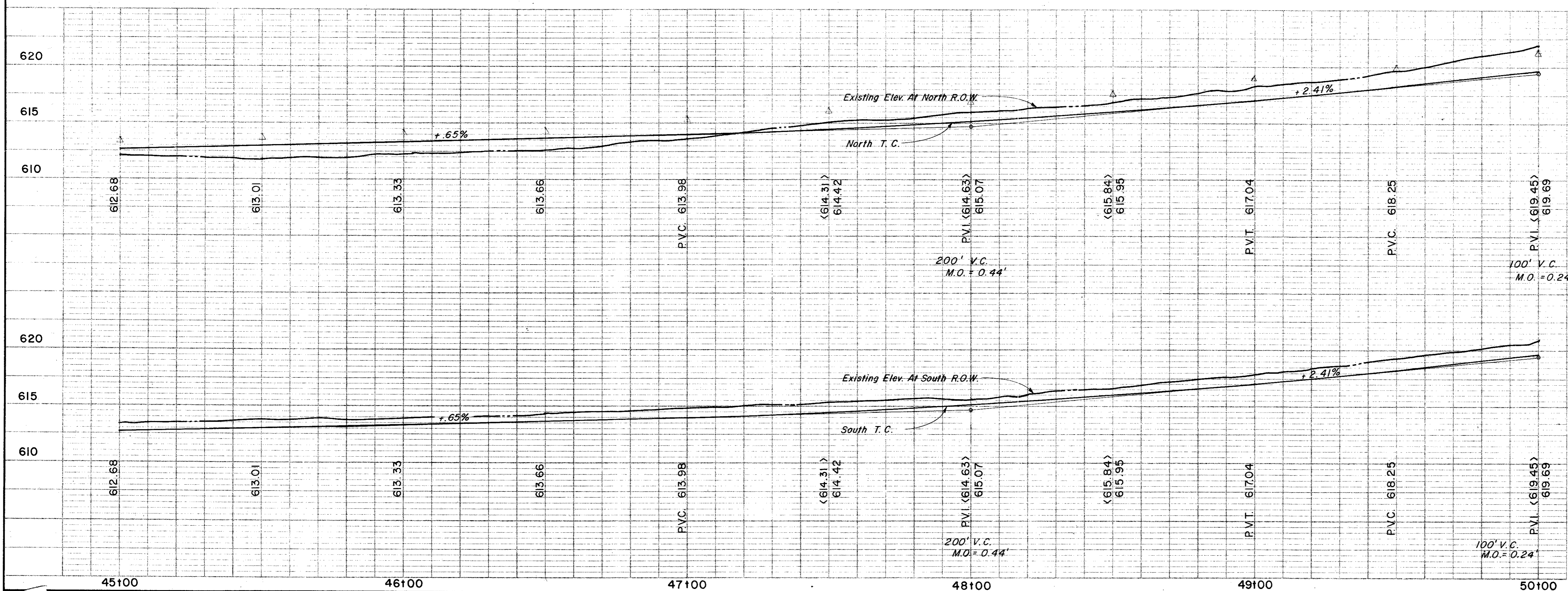
DESIGNED - H.B.J. DRAWN - B.H. DATE - MAY - 1980 FILE  
 APPROVED - HWG. CHECKED - S.M. SCALE - H=1"=20' V=1"=5' SHEET 14 OF





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	99
110	Unclassified Road Excavation (Dens Cont.)	CY	3602
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	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 (2000PSI)	SY	131.48
522	Conc Curb & Gutter Class A	LF	---
524	Conc Driveways, Appr 5" Reinf Conc (3000PSI)	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

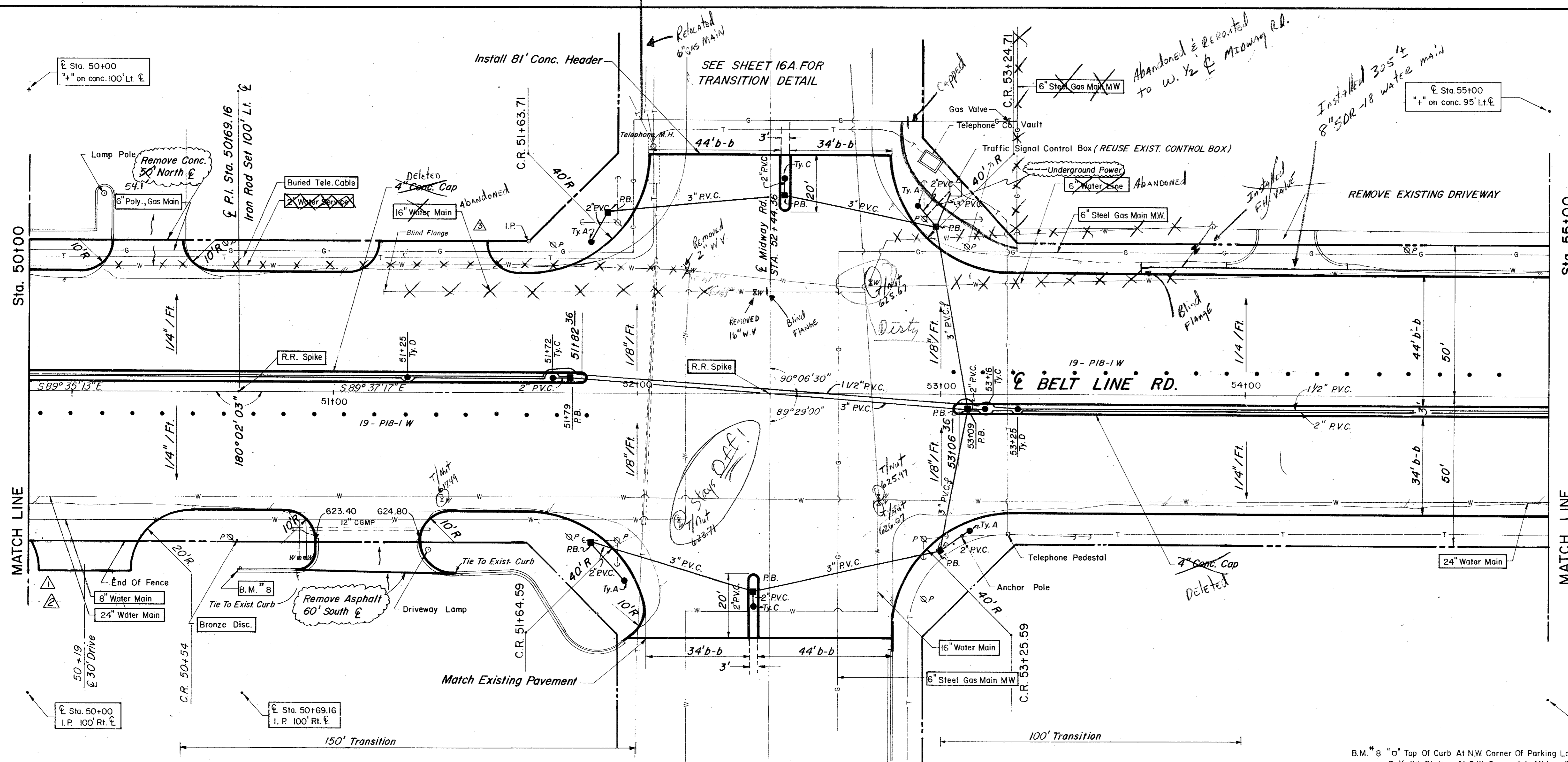
LEGEND	
□	Bench Mark
○	Iron Pin
○	Manhole
W	Gas Meter
W	Gas Valve
W	Gas Line
W	Power Pole (Typical Pole Symbol)
W	Power Line
W	Eye Wire Anchor
W	Telephone Line
W	Water Meter
W	Water Valve
W	Water Line
W	Fire Hydrant
W	Manhole
W	Sanitary Sewer Line
W	Fence Line
W	Flow Direction Indicator
W	Property or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



No. 1 Move drive 5' East Add Drives - 47+18, 50+14 & Chg. Qty.	Revision 3-4-81 2/25/81	Date 615
--	-------------------------------	-------------

**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**

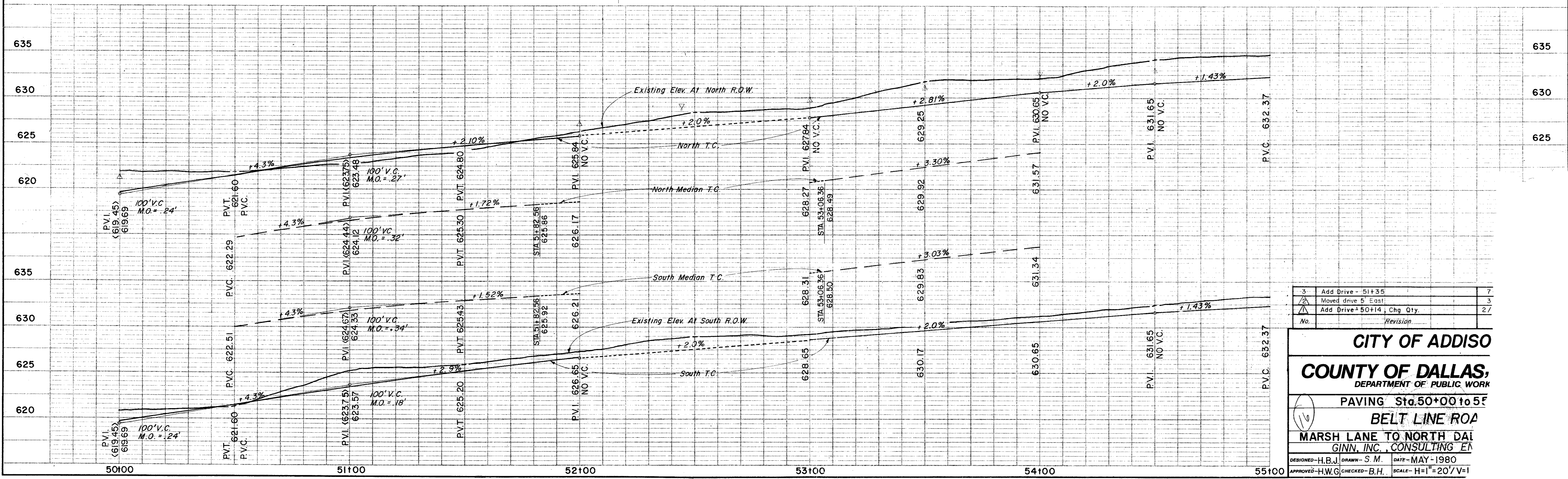
DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20' V=1"=5' SHEET 15 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100.	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	59
110	Unclassified Road Excavation (Dens Cont.)	CY	3762
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	44.11
260.2	6" Lime Treated Subgrade (Dens Cont.)	SY	3528.89
340.1	3" Hot Mix Asp (Ty D) Resurf Shoulder	Ton	69.67
340.2	6" Hot Mix Asphalt (Ty B)	Ton	607.02
360.1	8" Conc Pavement (3000 PSI)	SY	5254.82
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1556
360.3	4" Non-Reinf Conc In Median (2000 PSI)	LF	140
360.4	Conc. Sl. Header	LF	78
479.1	Adjust Water Valves	EA	7
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	192.5
630.1	Foundation (Ty A) Traffic Sig In Place	EA	4
630.2	Foundation (Ty B) Traffic Sig In Place	EA	4
630.3	Foundation (Ty C) Traffic Sig In Place	EA	4
640.1	Foundation (Ty D) Illumination	EA	2
640.2	1/2" PVC Conduit, Furnish & Install	LF	500
640.3	2" PVC Conduit, Furnish & Install	LF	433
640.4	3" PVC Conduit, Furnish & Install	LF	475
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 P18-1 White	EA	38
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	200

LEGEND	
□	Beam Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Gas Well Anchor
○	Telephone Line
○	Water Main
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Face Line
○	Face Direction Indicator
○	Property or Right-of-Way Line (R.O.W.)
○	Existing Line
○	Proposed Line
○	Traffic Pole Box
○	Manhole Foundation (Type A or B)
○	Manhole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top Of Curb
○	Face Line

B.M. "8" "a" Top Of Curb At N.W. Corner Of Parking Lot For Gulf Oil Station At S.W. Corner Int. Midway & Belt Line, ELEV = 624.32



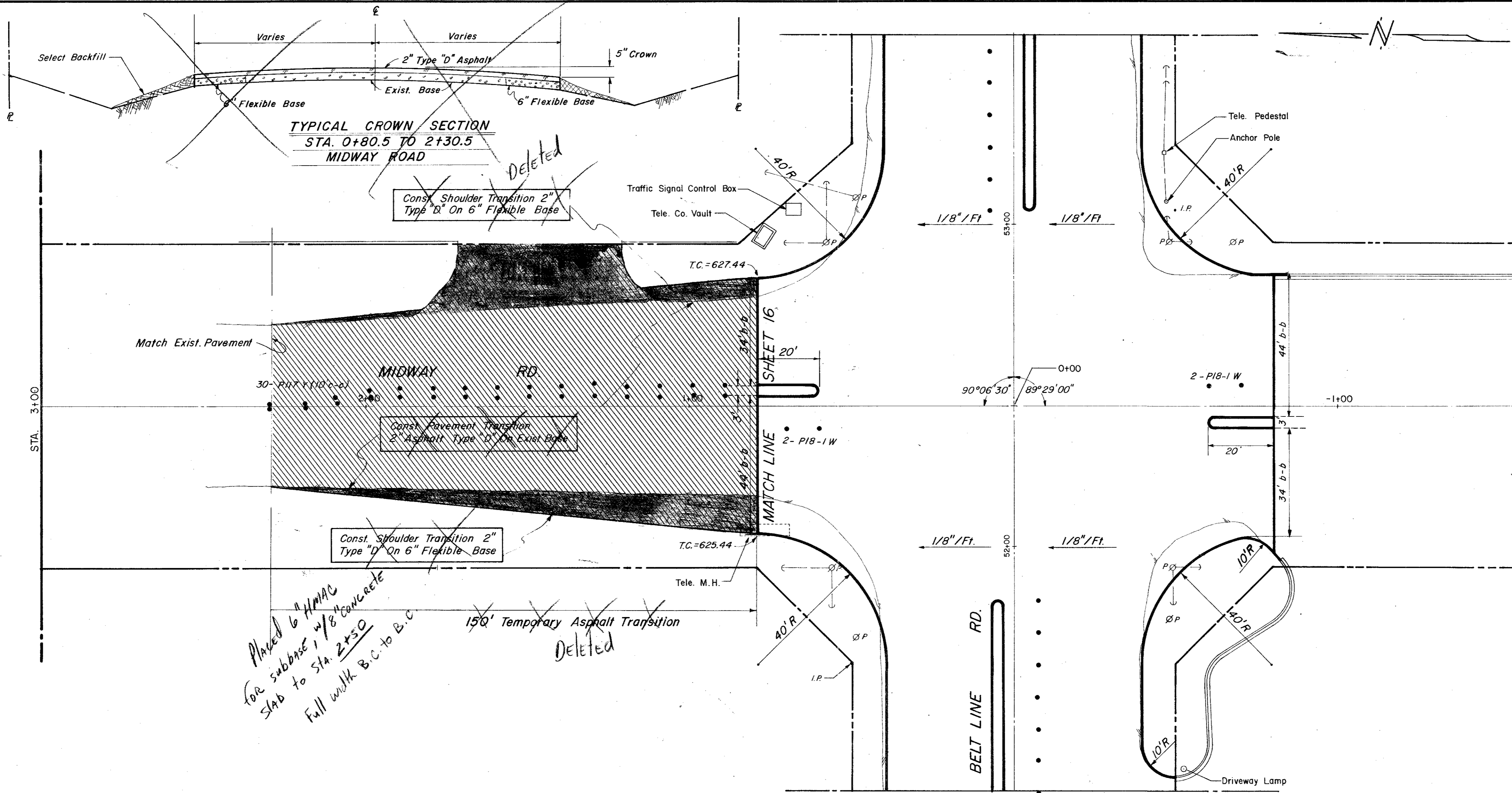
No.	Revision
3	Add Drive - 51+35
2	Moved drive 5' East
1	Add Drive + 50+14, Chg Qty.

**CITY OF ADDISO**  
**COUNTY OF DALLAS,**  
 DEPARTMENT OF PUBLIC WORK

PAVING Sta. 50+00 to 55+00  
**BELT LINE ROAD**

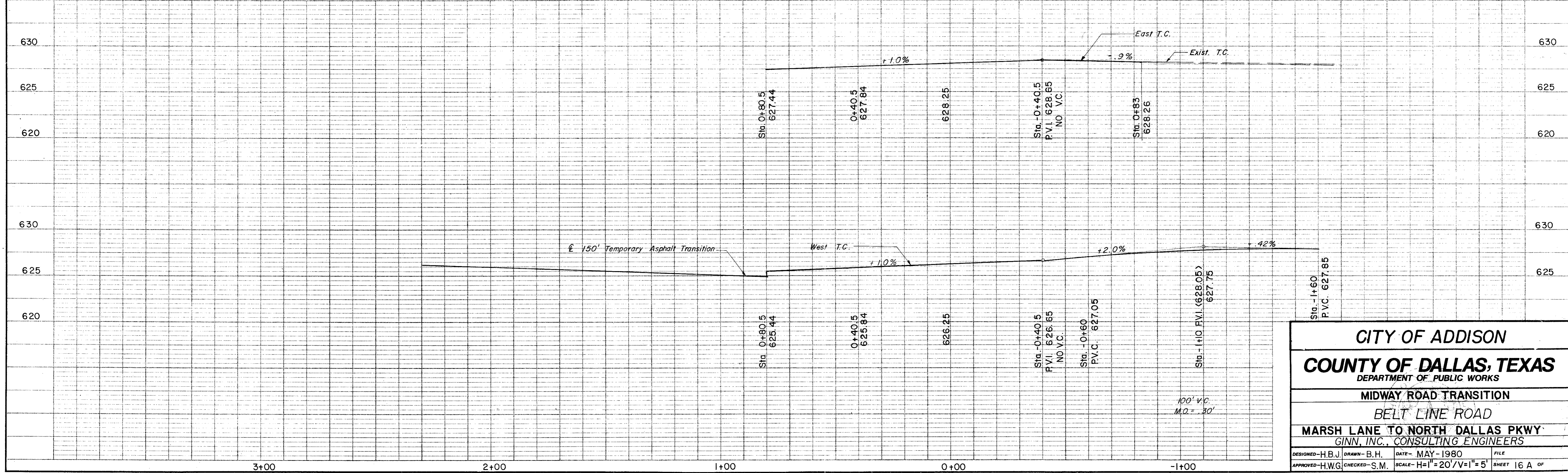
MARSH LANE TO NORTH DAI  
 GINN, INC., CONSULTING EN

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



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, Cl 3)	CY	30
260.1	Lime (Ty A) Slurry Method	Ton	---
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	---
340.1	3" Hot Mix Asp (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 (2000 PSI)	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 (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	---
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	
□	Blank Mark
•	Iron Pin
○	Manhole
8/2	Gas Meter
8/2	Gas Valve
□	Gas Line
1/2 P	Power Pole (Typical Pole Symbol)
—P—	Power Line
—W—	Gas Wire Junction
—T—	Telephone Line
W	Water Meter
W	Water Valve
W	Water Line
□	Fire Hydrant
□	Manhole
—SS—	Sanitary Sewer Line
—F—	Fence Line
→	Flow Direction Indicator
---	Property or Right-of-Way Line (ROW)
---	Easement Line
■	Traffic Pull Box
•	Mesh Arm Pole Foundation (Type A or B)
•	Pedestal Pole Foundation (Type C)
•	Signal Illumination Pole Foundation (Type D)
•	Top Of Curb
—	Flow Line

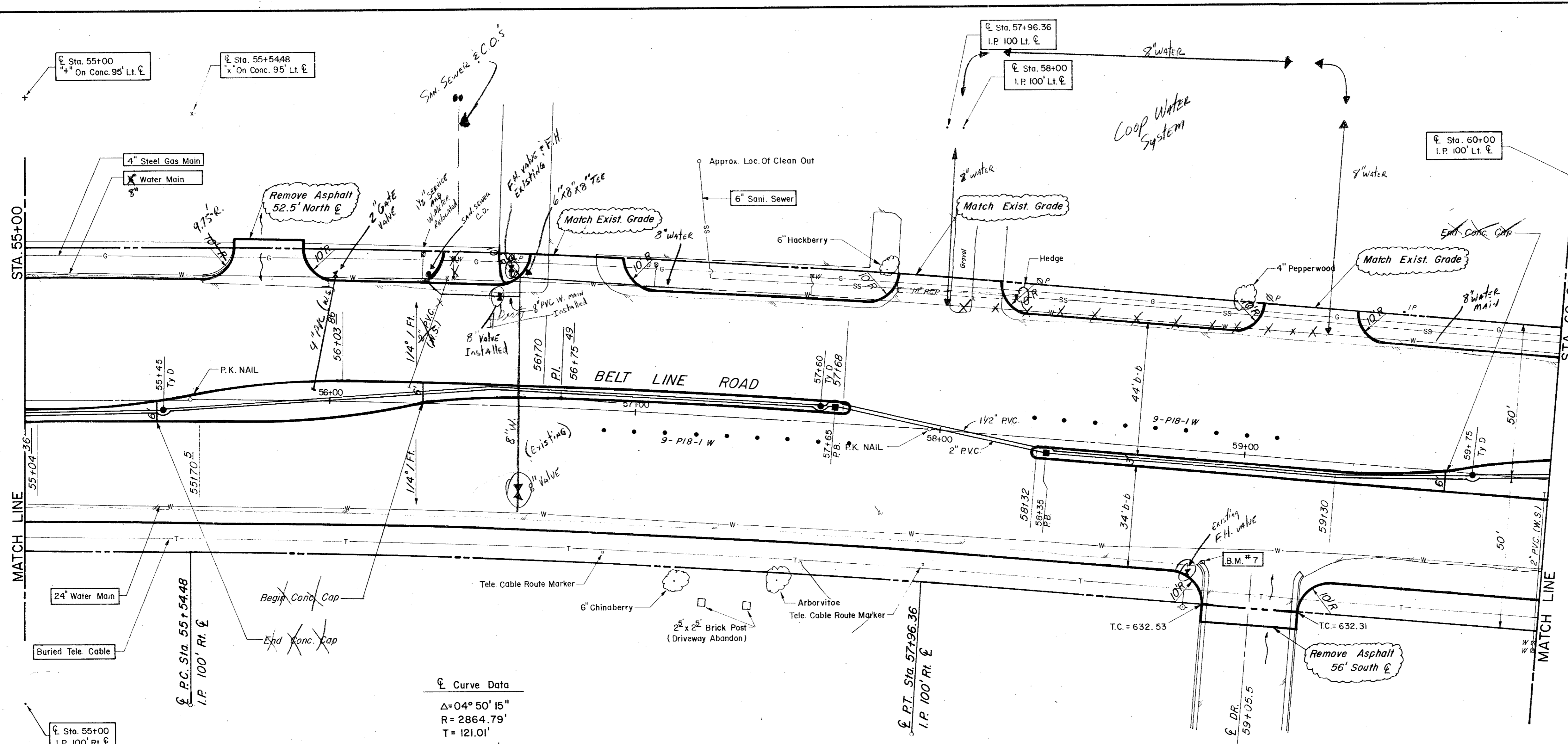


**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

**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

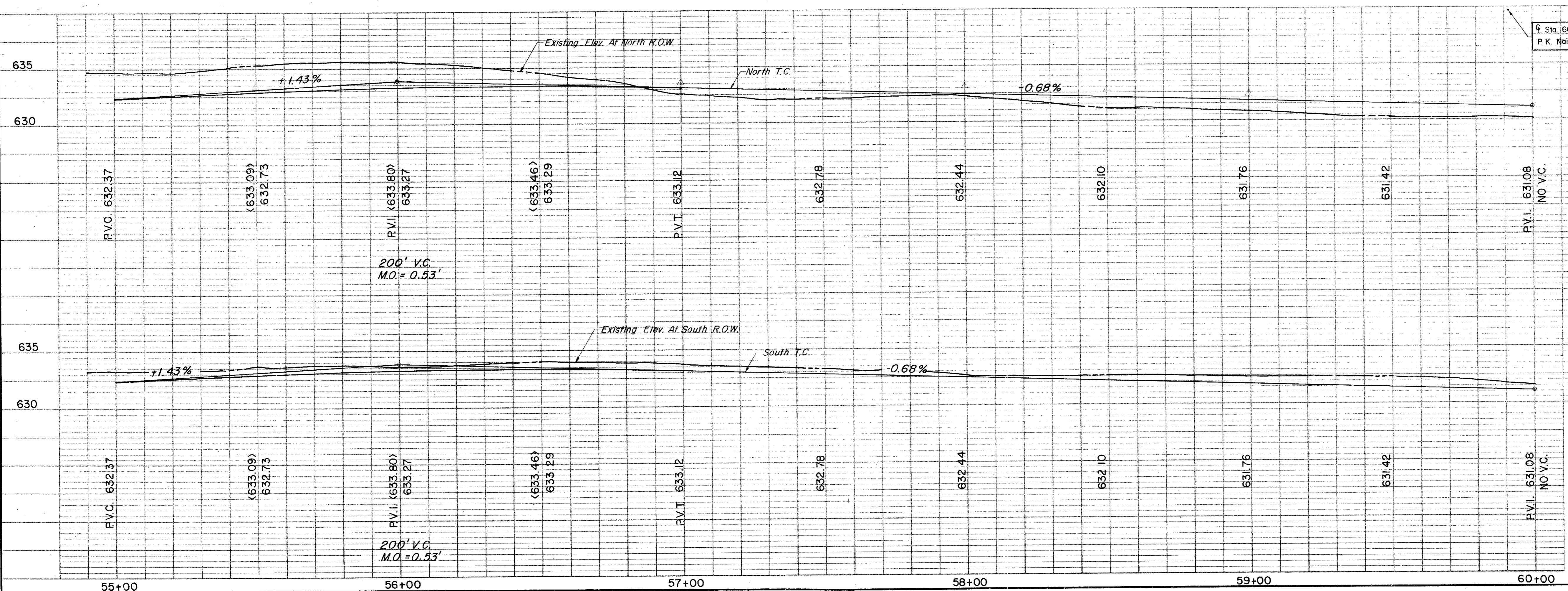
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	151.5
110	Unclassified Road Excavation (Dens Cont.)	CY	2394
160	Placing 4" Topsoil	CY	13.59
248	6" Flex Base (Dens Cont.) (Ty A, Gr 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 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	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



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

LEGEND	
○	Bench Mark
●	Iron Pin
○	Movement
○	Gas 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 (R.O.W.)
○	Easement Line
○	Traffic Sign Foundation (Type A or B)
○	Mon. Arm Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top Of Curb
○	Flow Line

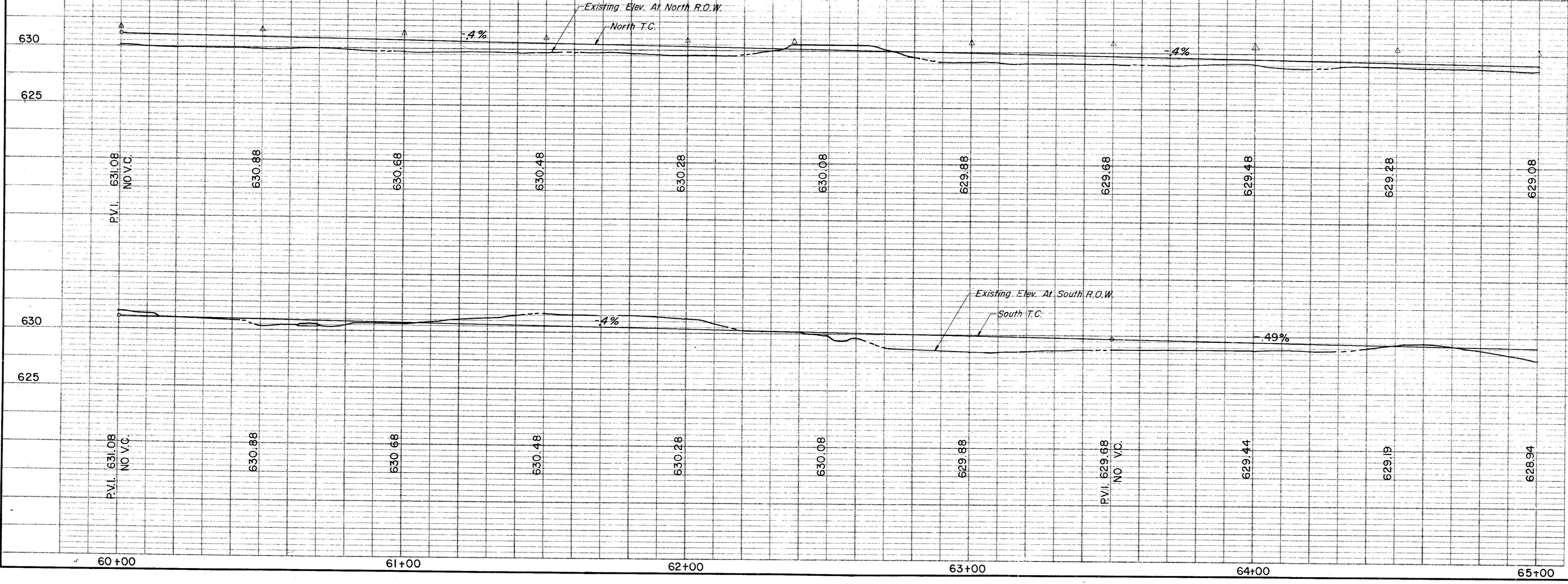
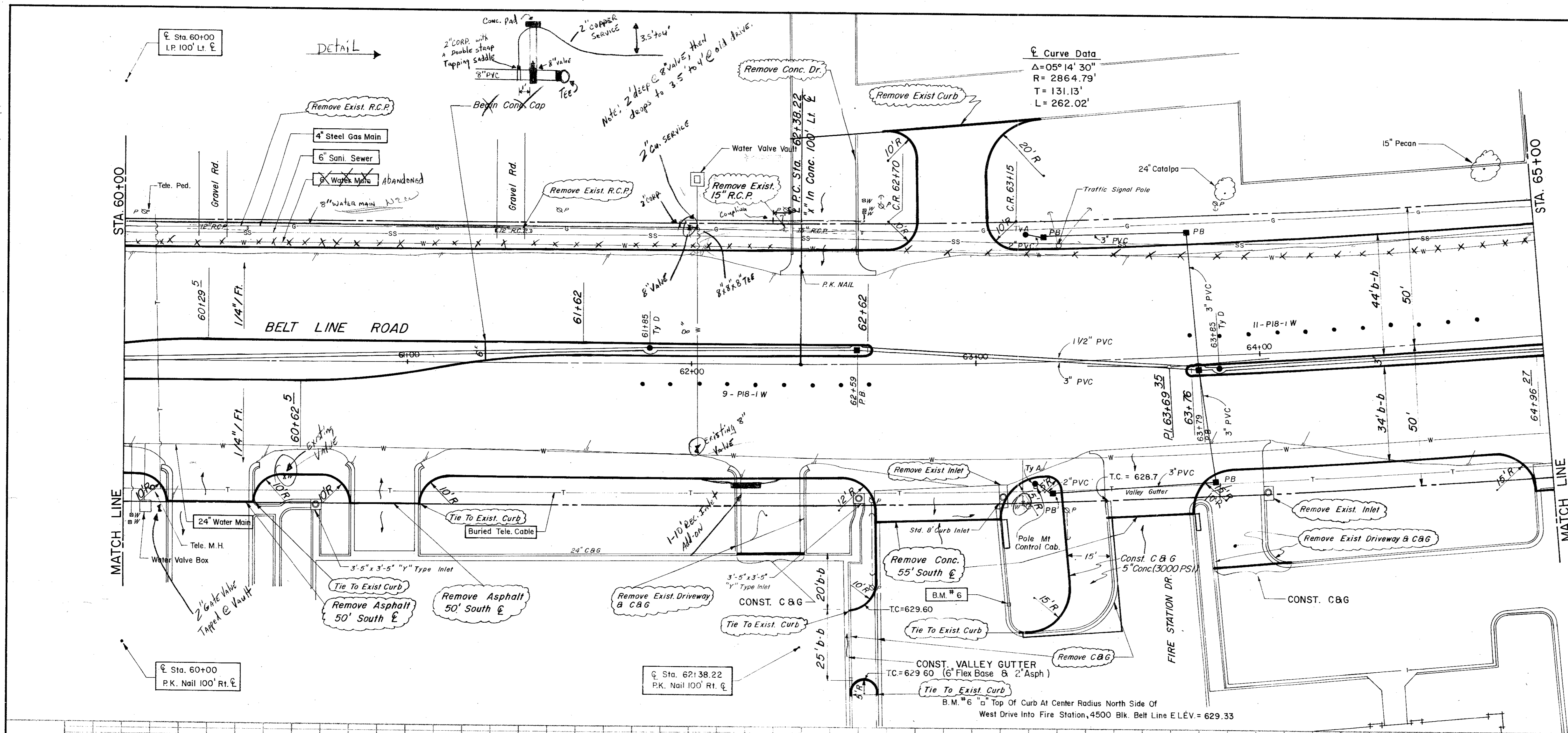
B.M. # 7 "a" Top Of Curb At Curb Return, West Side Of Westmost Drive Into Victoria Station And Belt Line. ELEV = 633.05



**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	146.5
104.2	Sawed Break-Out Groove	LF	269
110	Unclassified Road Excavation (Dens Cont.)	CY	2465
160	Placing 4" Topsoil	CY	1884
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	CY	16
260.1	Lime (Ty A) Slurry Method	Ton	43.11
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3449.06
340.1	3" Hot Mix Asp (Ty D) Resurf Shoulder	Ton	71.51
340.2	6" Hot Mix Asphalt (Ty B)	Ton	334.80
360.1	8" Conc Pavement (3000 PSI)	SY	4240.84
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1482
360.3	4" Non-Reinf Conc In Median (2000PSI)	SY	9248
340.3	2" Hot Mix Asphalt (Ty D) Transition	Ton	3.05
479.1	Adjust Water Valves	EA	1
522	Conc Curb & Gutter Class A	LF	157.96
524	Conc Driveways, Appr 5" Reinf Conc (3000PSI)	SY	445.72
630.1	Foundation (Ty A) Traffic Sig In Place	EA	2
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	390
640.3	3" PVC Conduit, Furnish & Install	LF	320
640.4	Pull Box, Complete In Place	EA	6
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	52
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	20
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	252

LEGEND	
○	Survey Mark
○	Iron Pin
○	Manometer
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Day Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	French Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (R.O.W.)
○	Center Line
○	Traffic Pull Box
○	Mask Arm Pole Foundation (Type A or B)
○	Refract Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top Of Curb
○	Flow Line



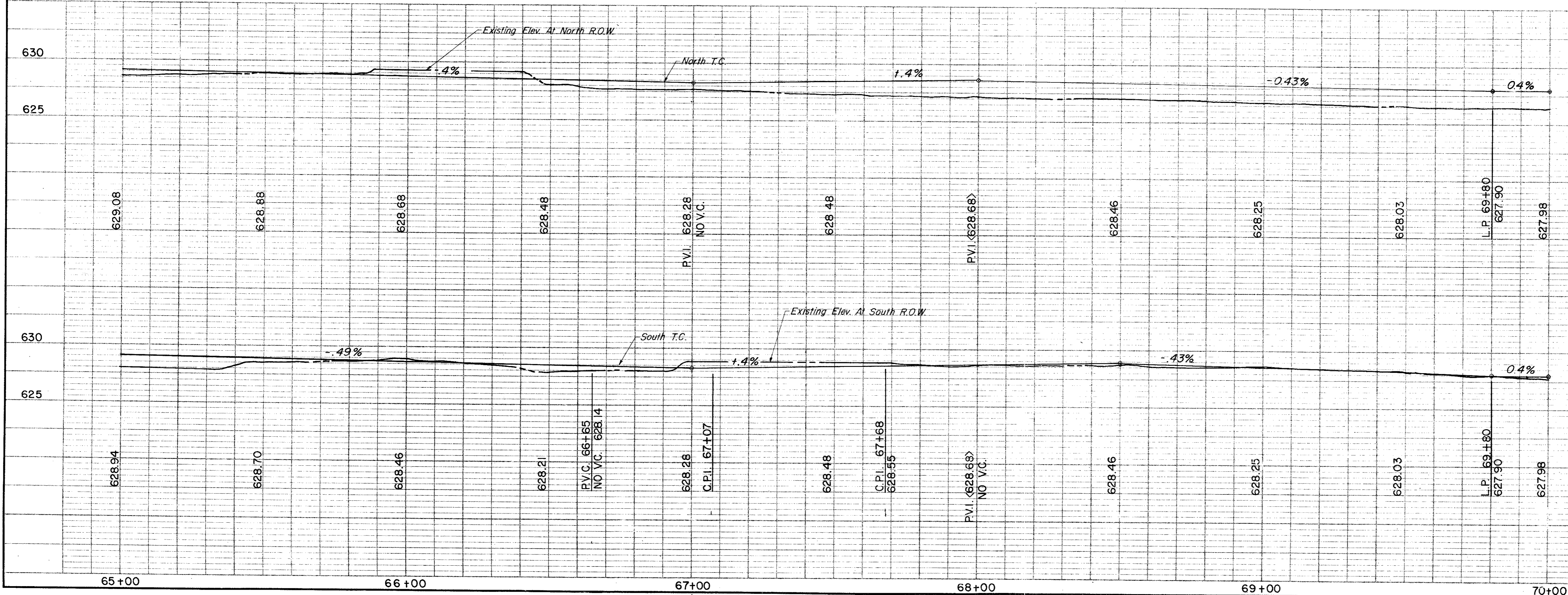
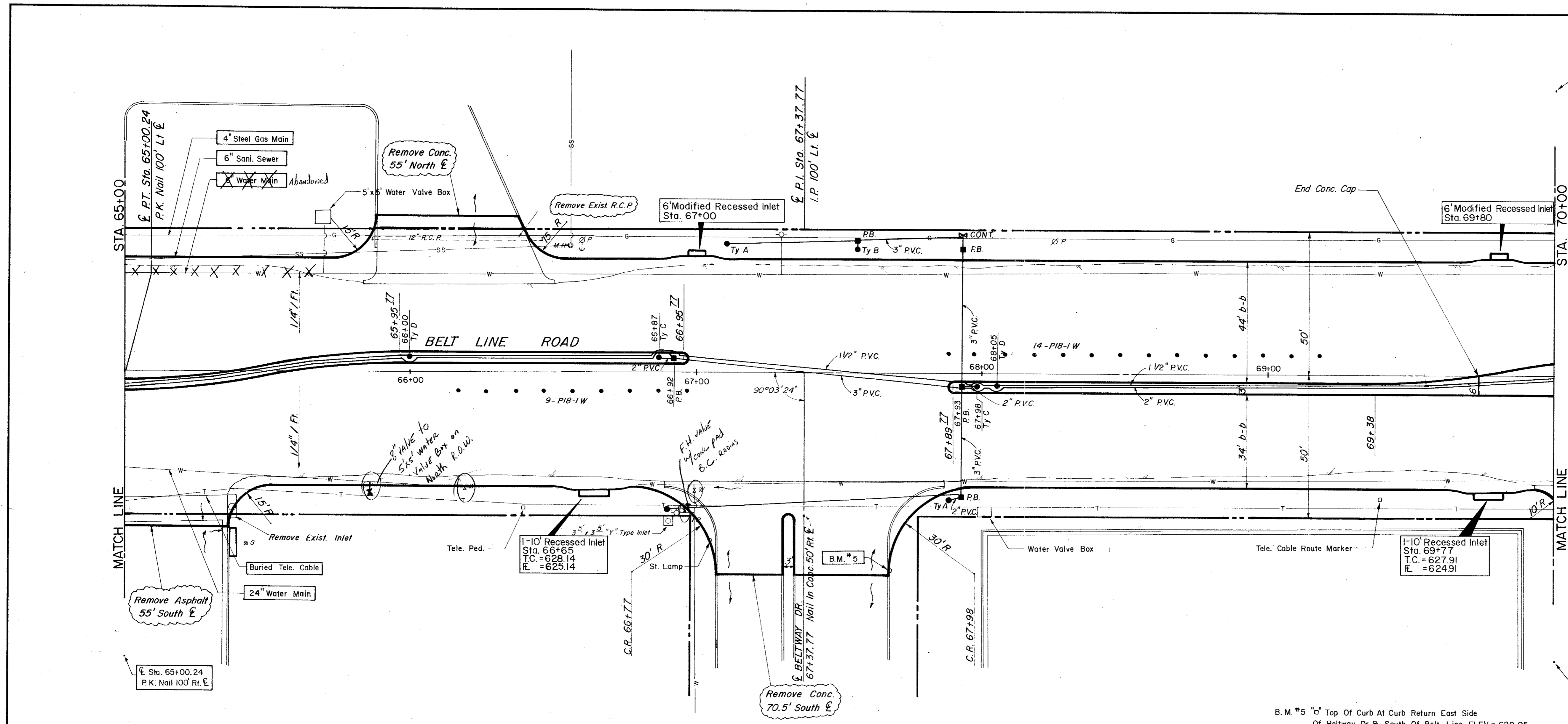
1	Relocate Owens Driveway	10/28/1980
No.	Revision	Date

**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**PAVING Sta. 60+00 to 65+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 18 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, C13)	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 P13-1 White	EA	23
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	220

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

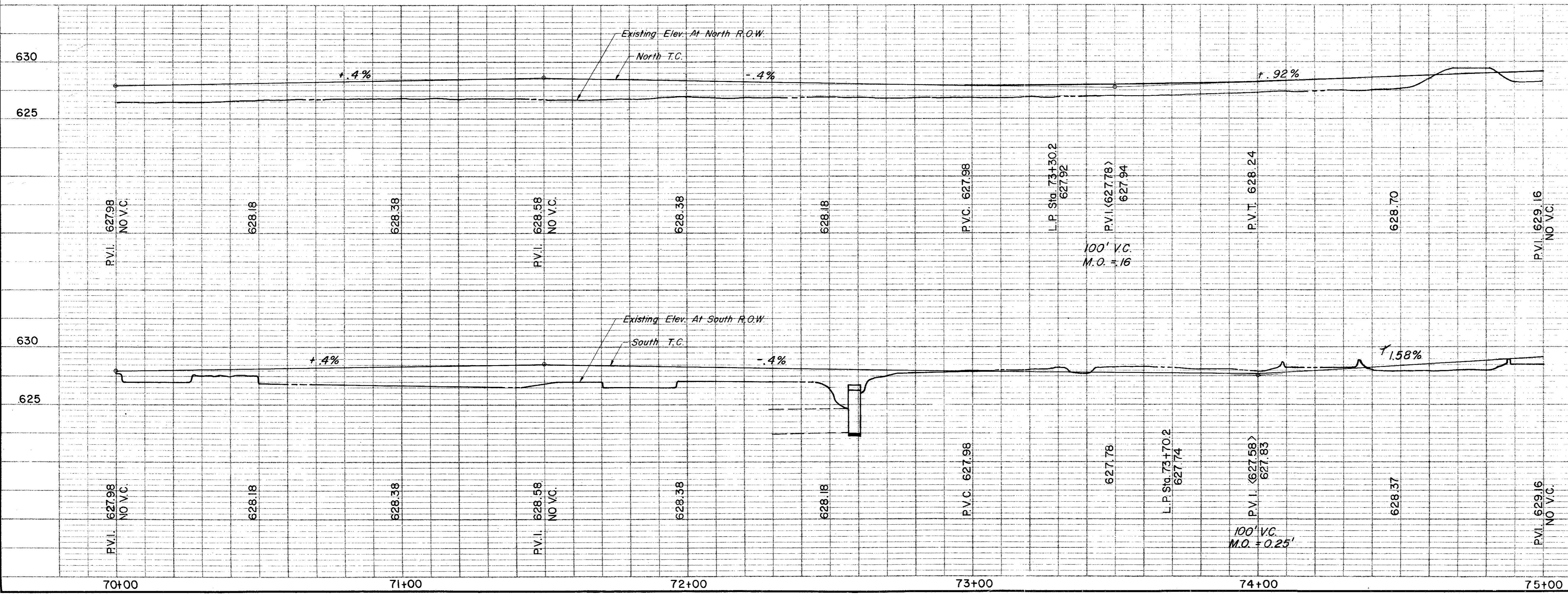
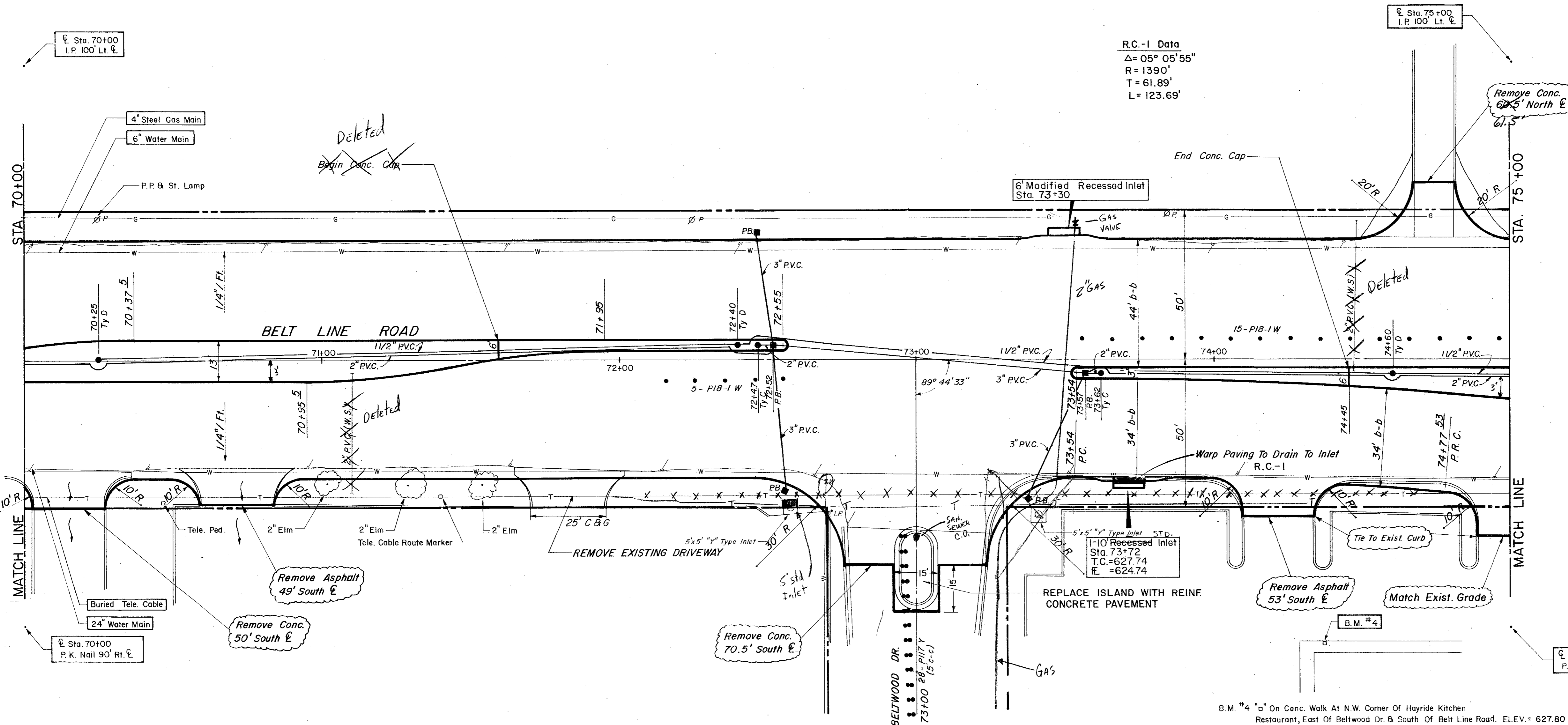


**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

PAVING Sta. 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	Place 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	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(2000PSI)	SY	68.15
479.1	Adjust Water Valves	EA	1
640.5	2" P.V.C. SCH 40 (Conc. Encasement)	L.F.	90
752.3	Traffic Buttons-Dbl Refl, Ty P117 Yellow	EA	28
522	Conc Curb & Gutter Class A	LF	25
524	Conc Driveways, Appr 5" Reinf Conc(3000PSI)	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-I White	EA	20
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	252



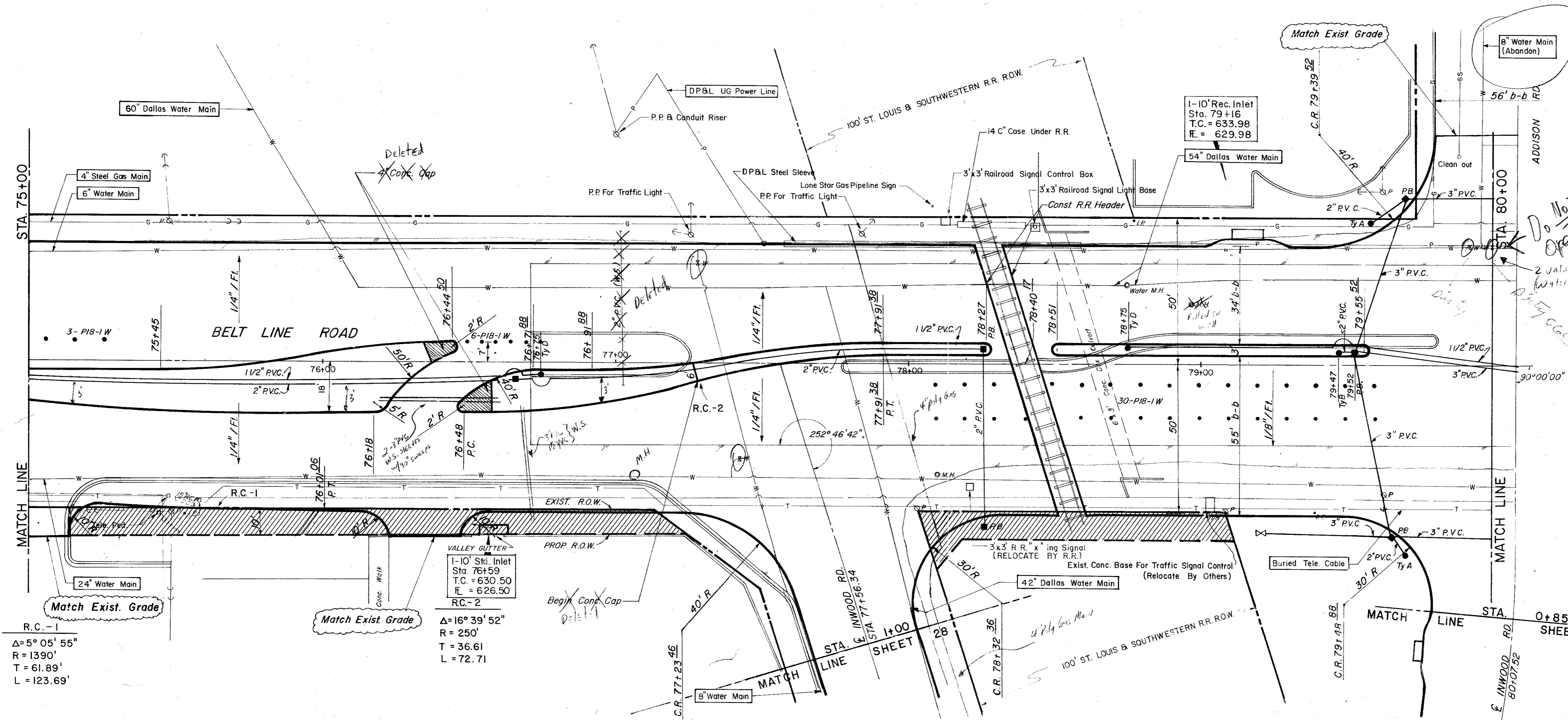
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

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

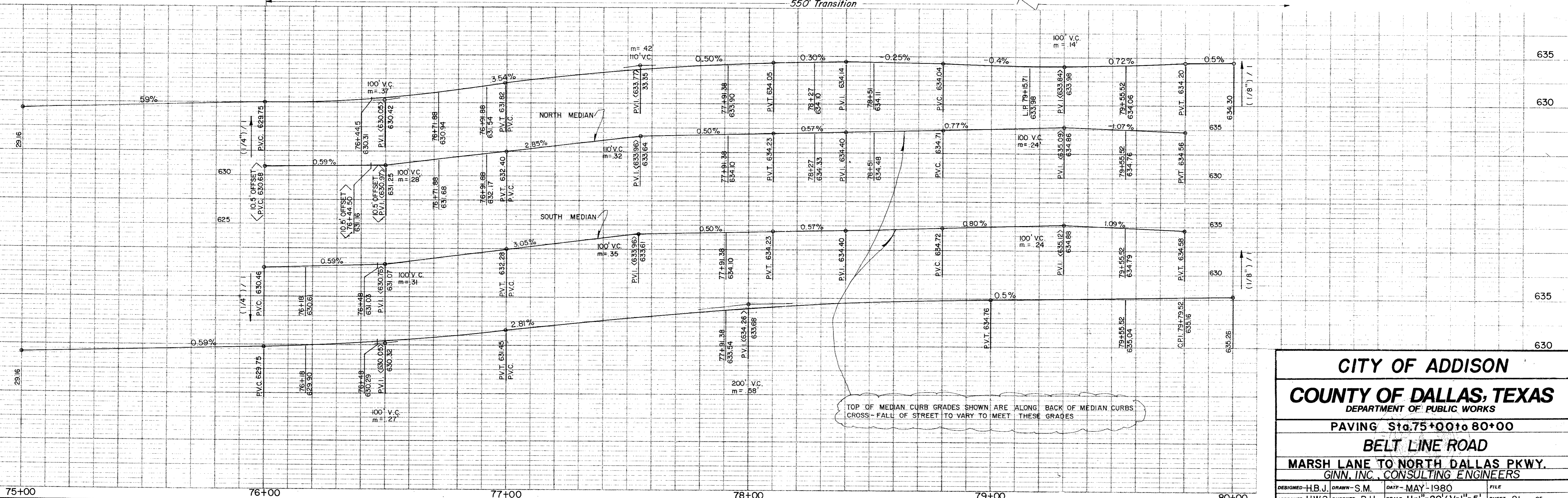


R.C. - 1  
 $\Delta = 5^\circ 05' 55''$   
 $R = 1390'$   
 $T = 61.89'$   
 $L = 123.69'$

R.C. - 2  
 $\Delta = 16^\circ 39' 52''$   
 $R = 250'$   
 $T = 36.61'$   
 $L = 72.71'$

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	57.86
260.1	Lime (Ty A) Slurry Method	Ton	4628.58
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	83.85
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	211.71
340.2	6" Hot Mix Asphalt (Ty B)	Ton	5118.11
360.1	8" Conc Pavement (3000 PSI)	SY	1795
360.2	4" Non-Reinf Conc In Median (3000 PSI)	SY	200.59
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	195
360.4	4" Non-Reinf Conc In Median (2000 PSI)	SY	5
479.1	Adjust Water Valves	EA	3
479.2	Adjust Manhole	EA	50'
690.5	2" P.V.C. SCH 40 (Conc. Encasement)	LF	1
630.5	Signal Cont. Foundation	EA	62.30
522	Conc Curb & Gutter Class A	LF	2
524	Conc Driveways, Appr 5" Rein Conc (3000 PSI)	SY	1
630.1	Foundation (Ty A) Traffic Sig In Place	EA	1
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	300
640.1	1/2" PVC Conduit, Furnish & Install	LF	412
640.2	2" PVC Conduit, Furnish & Install	LF	273
640.3	3" PVC Conduit, Furnish & Install	LF	6
640.4	Pull Box, Complete In Place	EA	44
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	41
752.2	Traffic Buttons-Single Refl Ty P18-1 White	EA	220
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	

LEGEND	
□	Manhole
○	Iron Pole
○	Monument
○	Gas 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 (R.O.W.)
○	Encasement Line
○	Traffic Pole Box
○	Manhole Arm Pole Foundation (Type A or B)
○	Foundation Pole Foundation (Type C)
○	Signal Foundation Pole Foundation (Type D)
○	Top of Curb
○	Flow Line

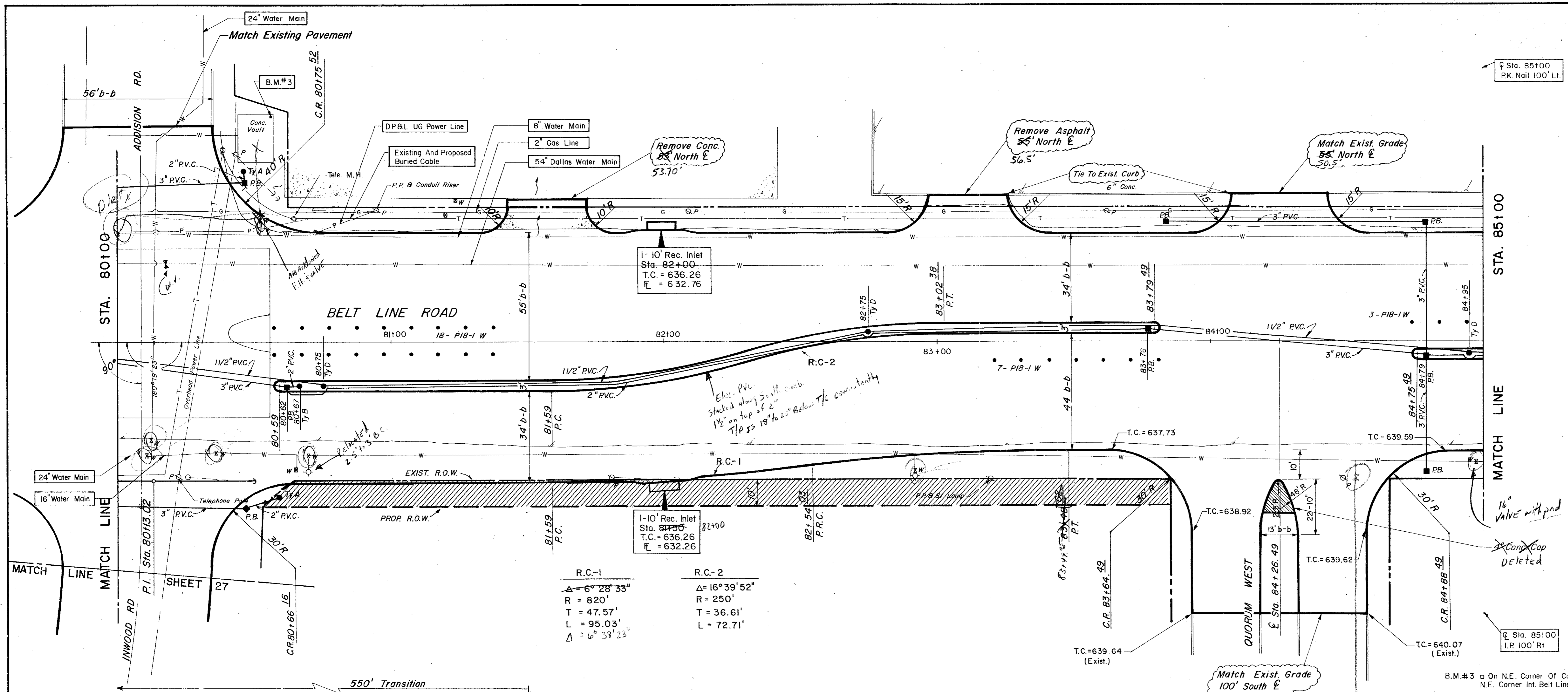


**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

PAVING Sta. 75+00 to 80+00  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, I.N.C., CONSULTING ENGINEERS

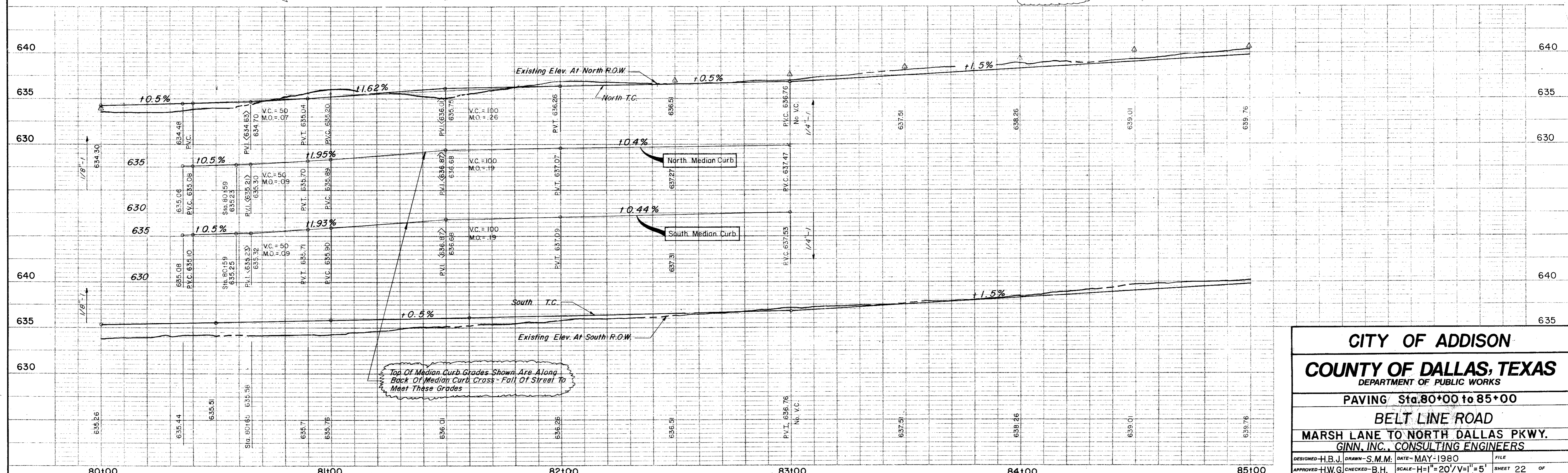
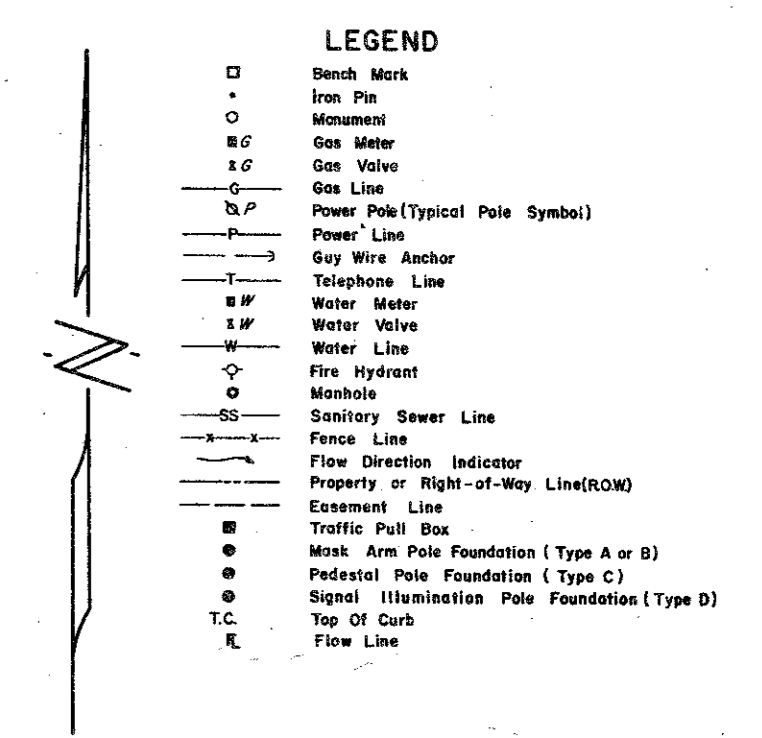
DESIGNED-H.B.J. DRAWN-S.M. DATE-MAY-1980 FILE  
 APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20'/V=1"=5' SHEET 21 OF





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

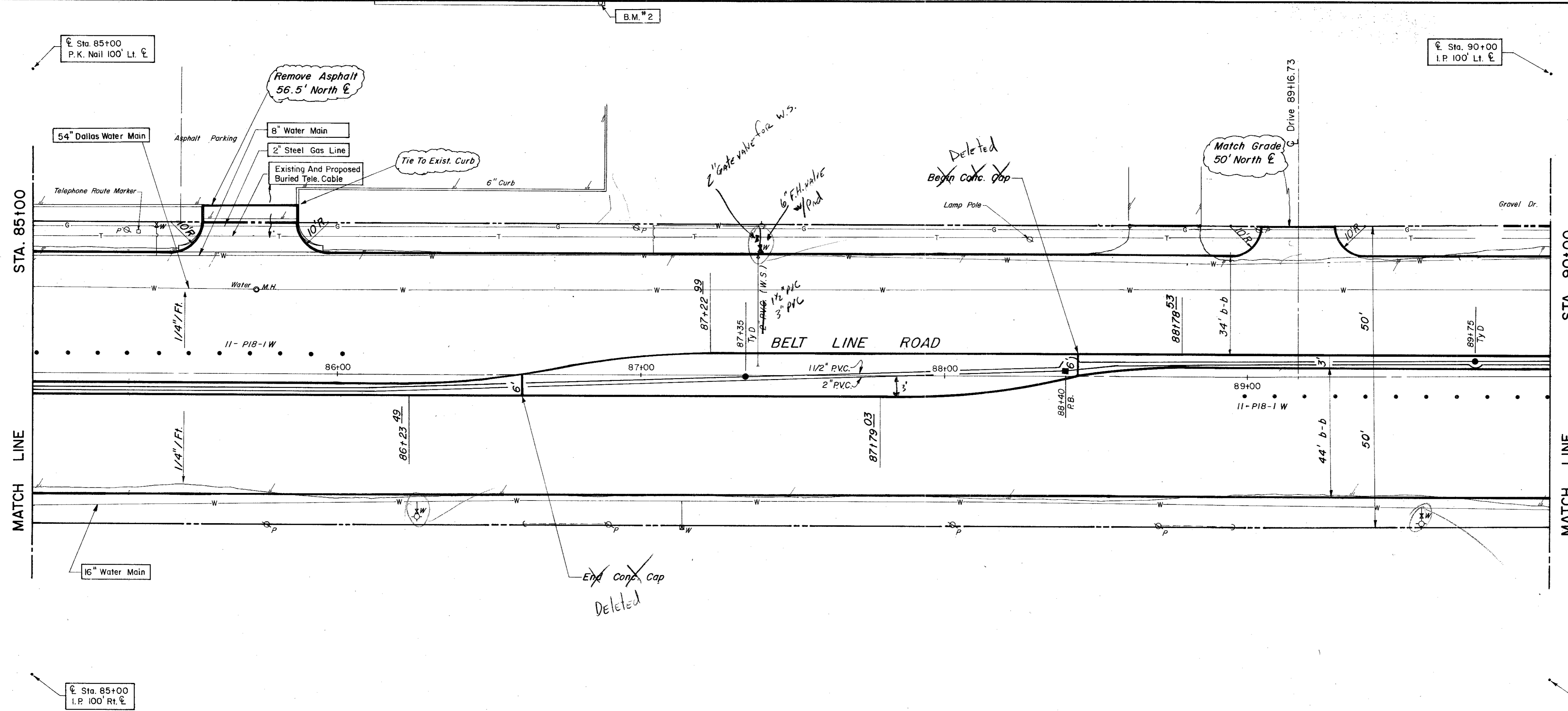
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	95
110	Unclassified Road Excavation (Dens Cont.)	CY	2344
160	Placing 4" Topsoil	CY	
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	40.46
260.2	6" Lime Treated Subgrade (Dens Cont.)	SY	
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	3237.00
340.2	6" Hot Mix Asphalt (Ty B)	Ton	705.07
360.1	8" Conc Pavement (3000 PSI)	SY	5448.91
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1598
360.3	4" Non-Reinf Conc in Median (2000 PSI)	SY	125.50
360.4	Conc. St. Header	LF	56
479.1	Adjust Water Valves	EA	7
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Apr 5" Reinf Conc (3000 PSI)	SY	171
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	3
640.1	1/2" PVC Conduit, Furnish & Install	LF	500
640.2	2" PVC Conduit, Furnish & Install	LF	360
640.3	3" PVC Conduit, Furnish & Install	LF	440
640.4	Pull Box, Complete in Place	EA	8
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	44
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	28
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	232



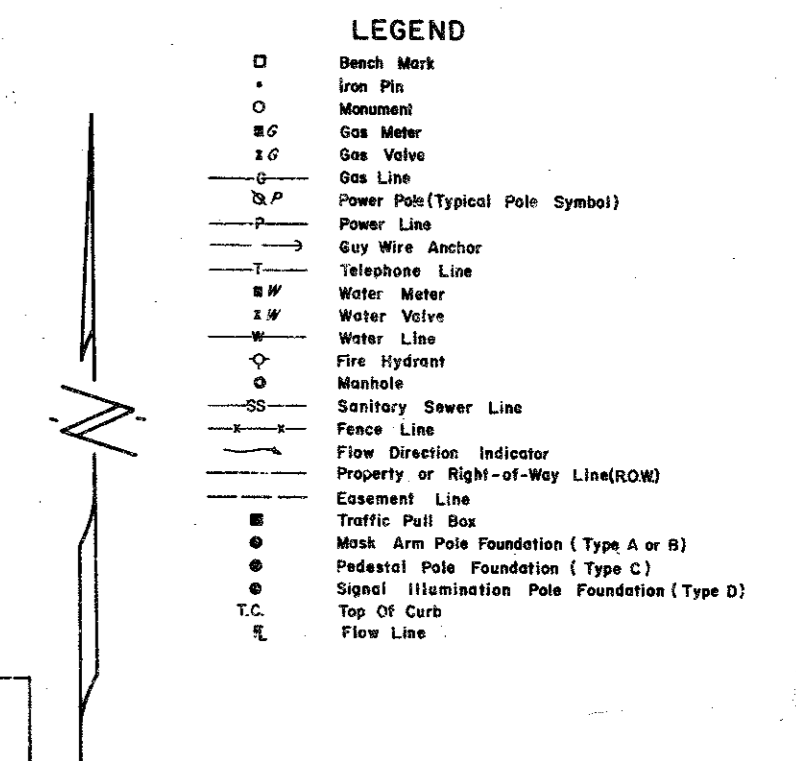
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

**PAVING Sta. 80+00 to 85+00**  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

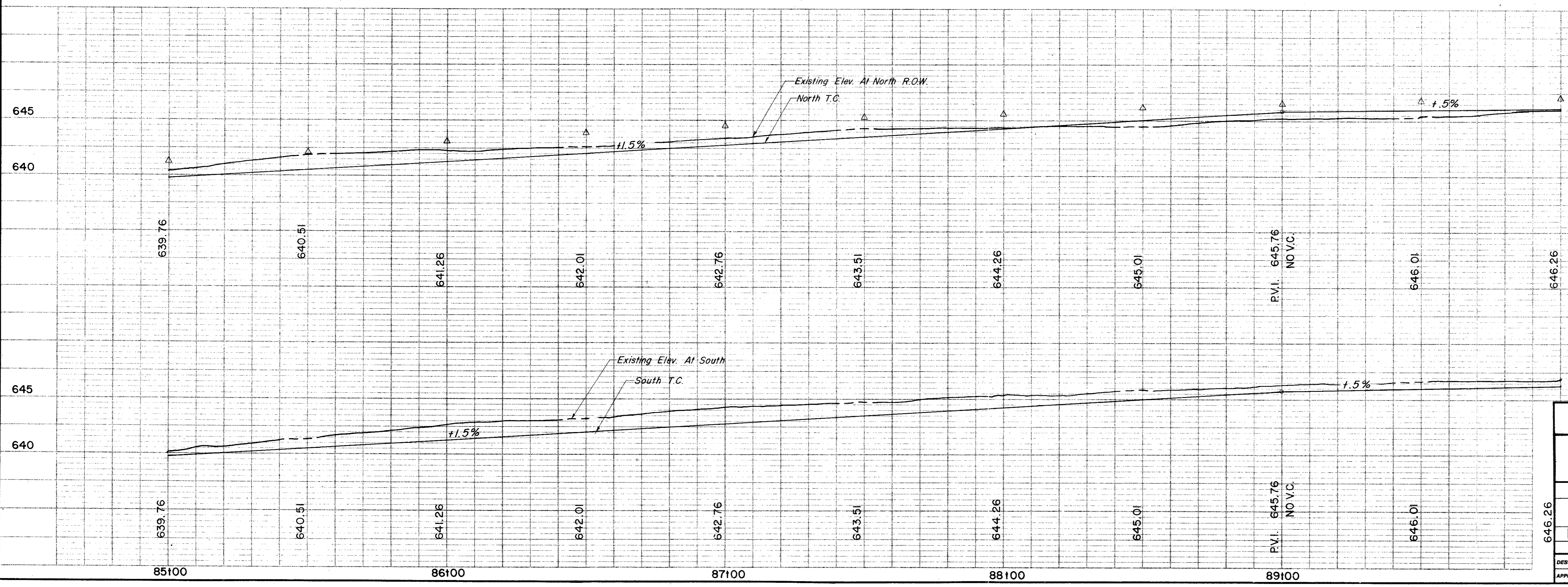
DESIGNED - H.B.J. DRAWN - S.M.M. DATE - MAY-1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20'/V=1"=5' SHEET 22 OF



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	7.4
110	Unclassified Road Excavation (Dens Cont.)	CY	3482
160	Placing 4" Topsoil	CY	24.58
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	
260.1	1" (Ty A) Slurry Method	Ton	55.12
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	4409.96
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	4160.52
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1878
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	115.97
479.1	Adjust Water Valves	EA	2
479.2	Adjust Manhole	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 (3000 PSI)	SY	150.89
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	1
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	48
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	22
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	240



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



NO.	REVISION	DATE
1	Deleted 2 Dr., Add Dr. 89+16.73	10-7-1980

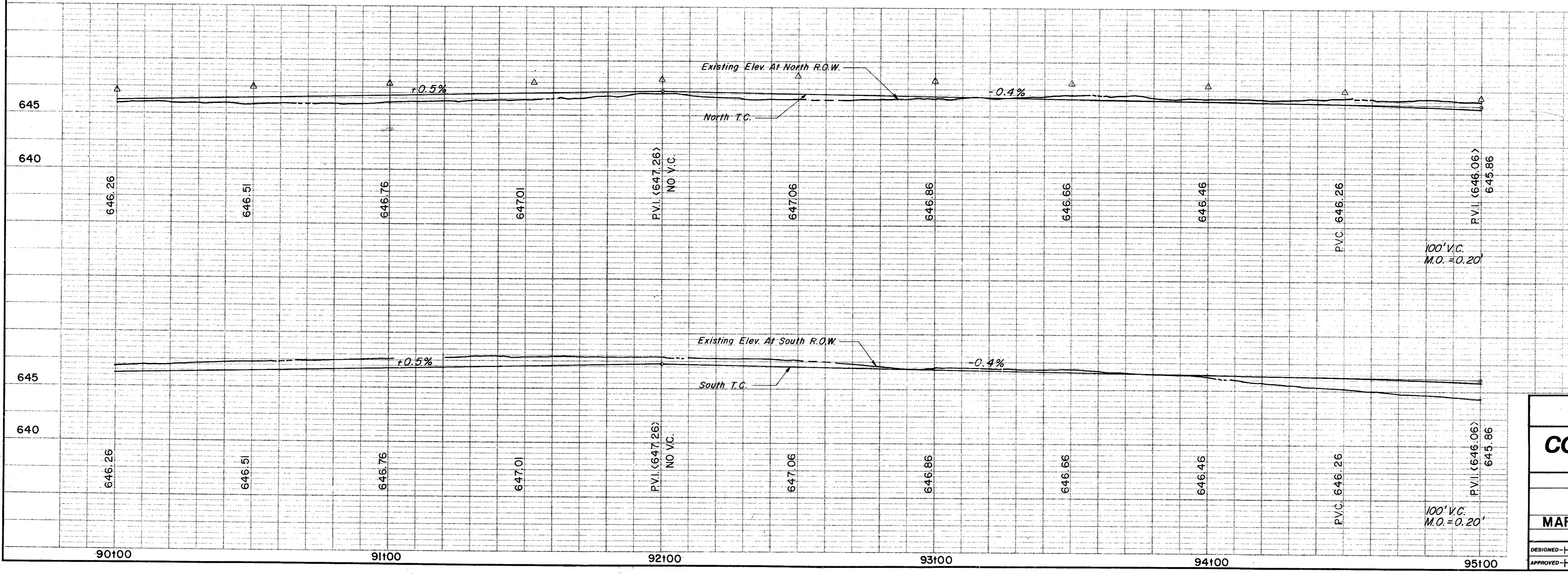
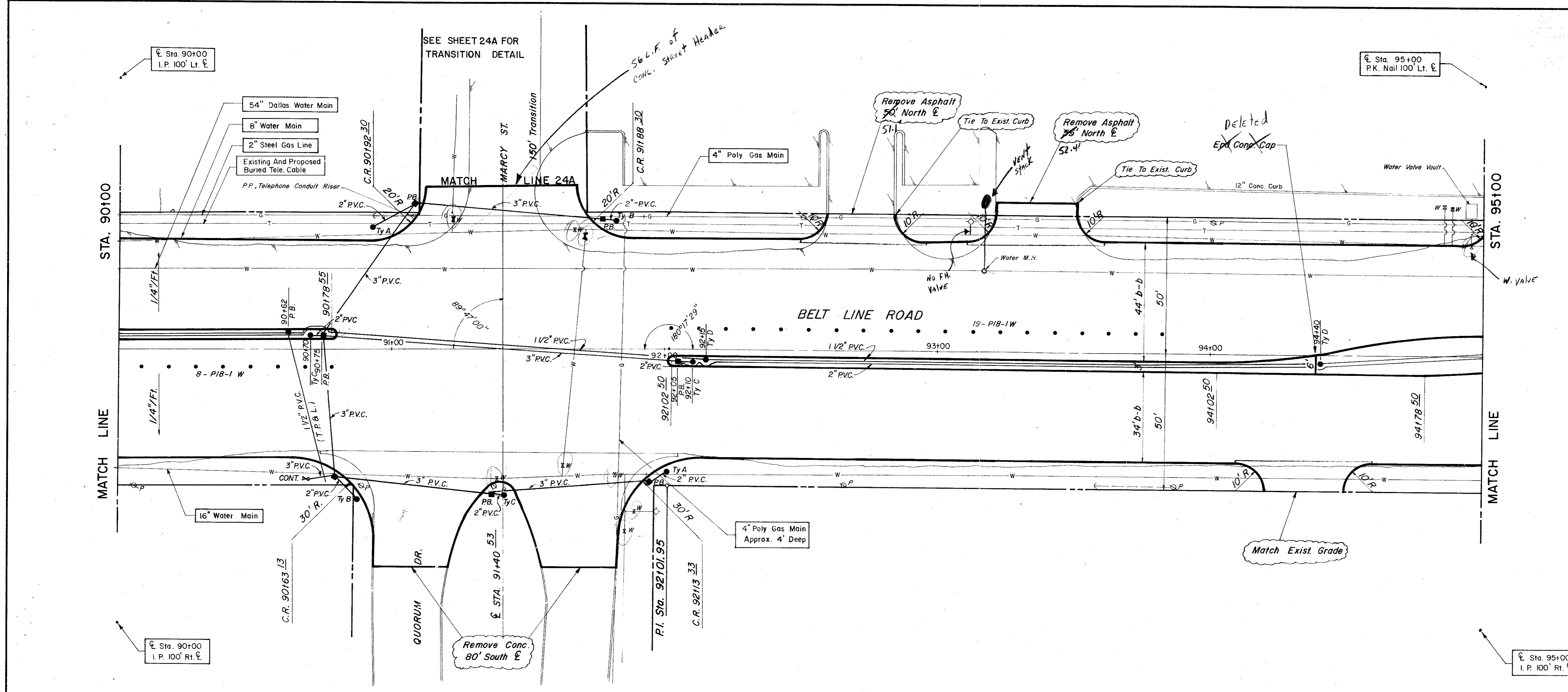
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
DEPARTMENT OF PUBLIC WORKS

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

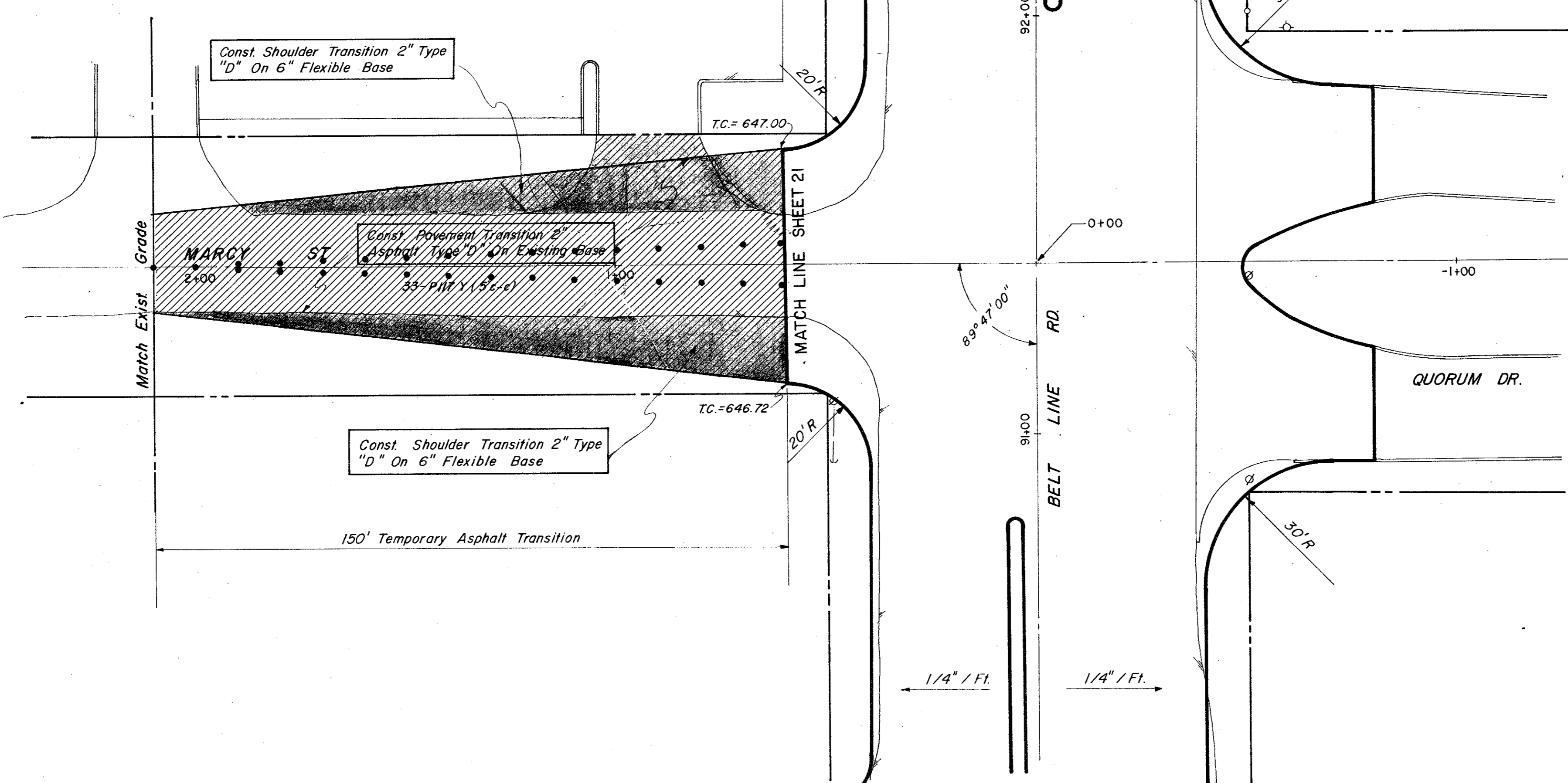
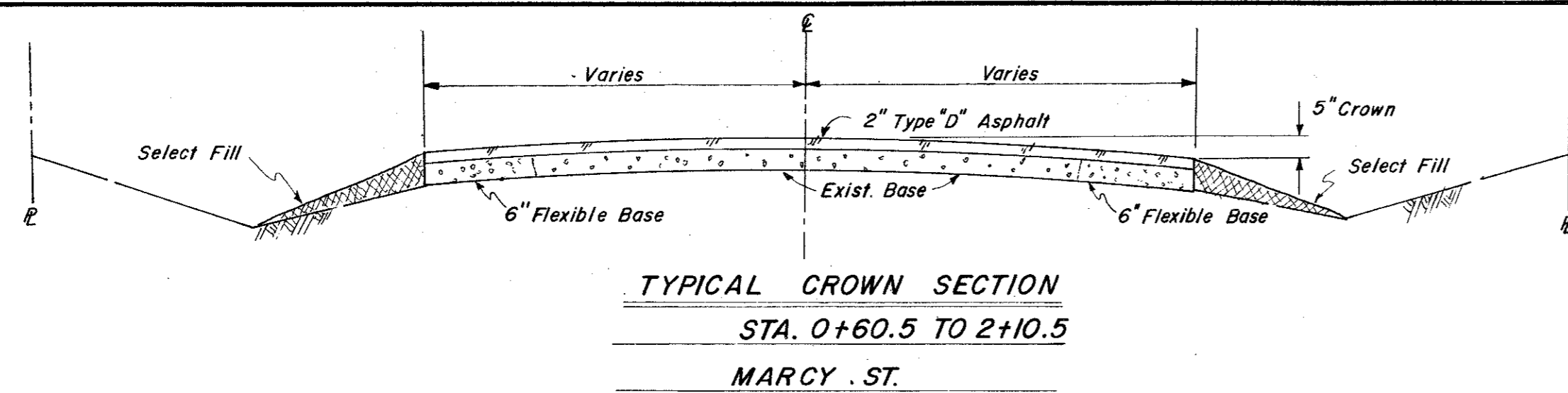
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W.	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	367
104.2	Sawed Break-Out Groove	LF	153
110	Unclassified Road Excavation (Dens Cont.)	CY	3098
160	Placing 4" Topsoil	CY	7.44
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	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-I White	EA	27
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	200

LEGEND	
□	Block Work
○	Iron Pole
○	Monument
○	Box Manhole
○	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
○	Parade Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (DOW)
○	Excavation Line
○	Traffic Pull Box
○	Mini Arm Pole Foundation (Type A or B)
○	Standard 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" Topsoil	CY	
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	CY	44
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 (2000 PSI)	SY	
340.3	2" Hot Mix Asphalt (Ty D) Transition	Ton	148.50
752.3	Traffic Buttons - Dbl. Refl., Ty P17 Yellow	EA	33
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	
640.1	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	
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	

LEGEND	
□	Bench Mark
○	Iron Pin
○	Monument
⊕	Gas Meter
⊕	Gas Valve
⊕	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
⊕	Mark Arm Pole Foundation (Type A or B)
⊕	Padestal Pole Foundation (Type C)
⊕	Shield Illumination Pole Foundation (Type D)
⊕	Top Of Curb
⊕	Flow Line

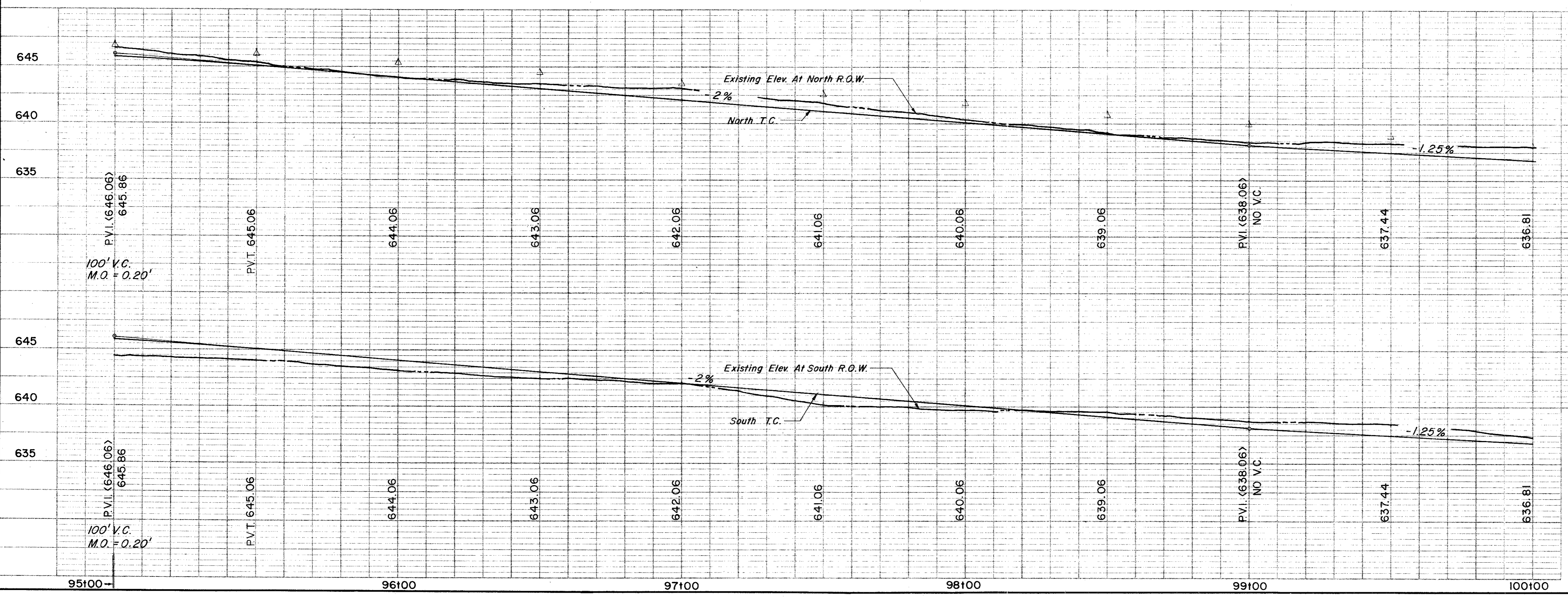
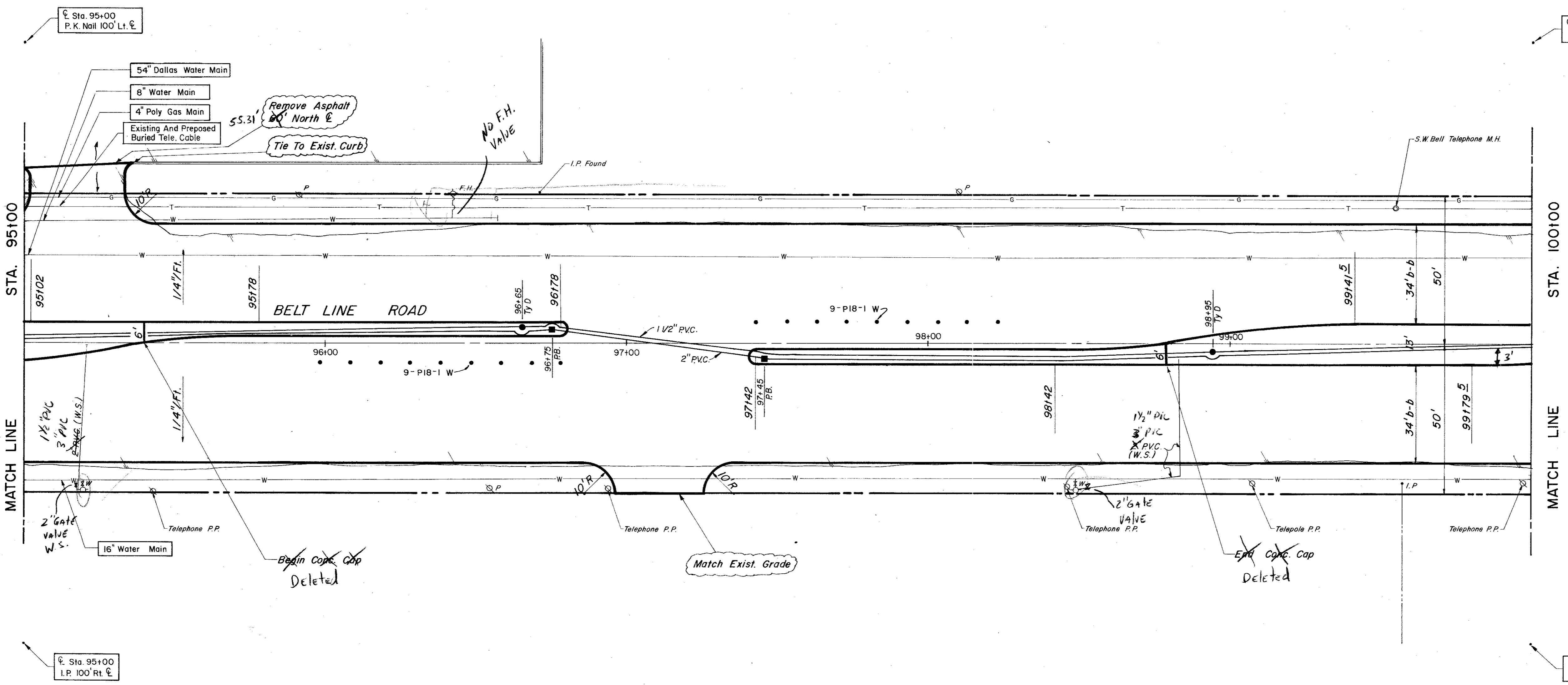
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**MARCY ROAD TRANSITION**  
**BELT LINE ROAD**  
**MARSH LANE TO NORTH DALLAS PKWY.**  
 GINN, INC., CONSULTING ENGINEERS

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 (2000 PSI)	SY	100.97
640.5	2" PVC SCH 40 (Conc Encasement)	L.F.	120
479.1	Adjust Water Valve	EA	2
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	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

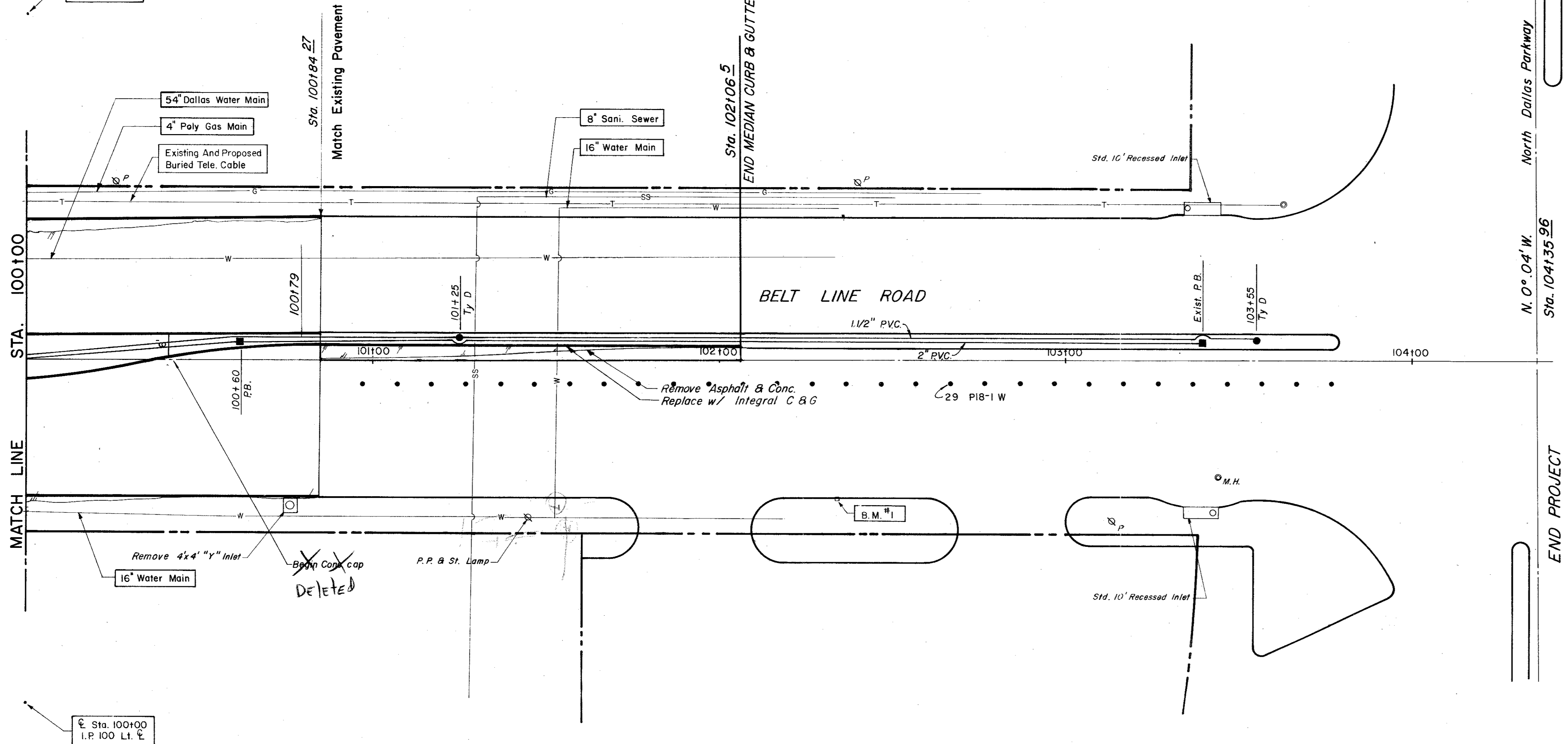
- Bench Mark
- Iron Pin
- Monument
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Power Line
- City Wire Indicator
- Telephone Line
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction Indicator
- Property or Right-of-Way Line (ROW)
- Easement Line
- Traffic Pull Box
- Mark 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. 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

Sta. 100+00  
I.P. 100 Lt. E



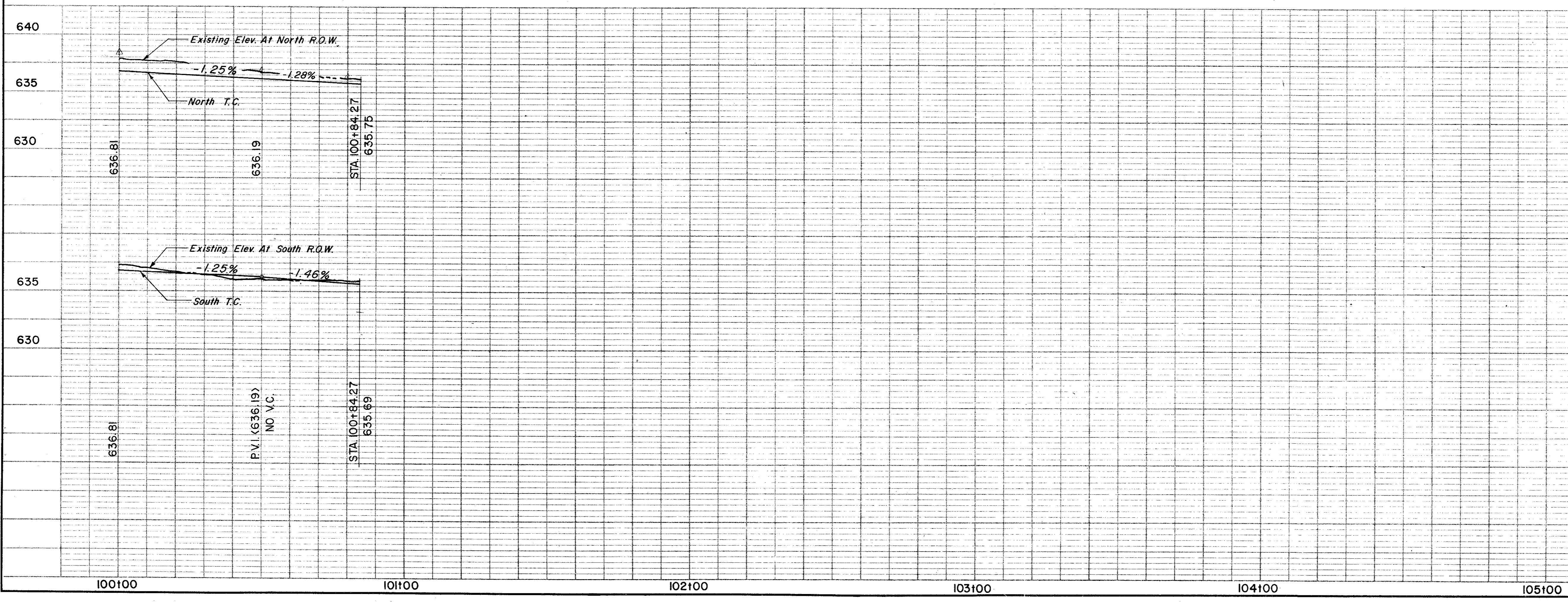
Sta. 100+00  
I.P. 100 Lt. E

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 Asph (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 (2000 PSI)	SY	117.15
522	Conc Curb & Gutter Class A	LF	122.23
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	1/2" 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 Pit
- Measurement
- /○ Use Maner
- /○ Sign Valve
- /○ Gas Line
- /○ Power Pole (Typical Pole Symbol)
- /○ Power Line
- /○ Day Wire Anchor
- /○ Telephone Line
- /○ Street Maner
- /○ 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 Pull Box
- /○ Max. Amp Pole Foundation (Type A or B)
- /○ Pedestal Pole Foundation (Type C)
- /○ Signal Illumination Pole Foundation (Type D)
- /○ Top of Curb
- /○ Flow Line

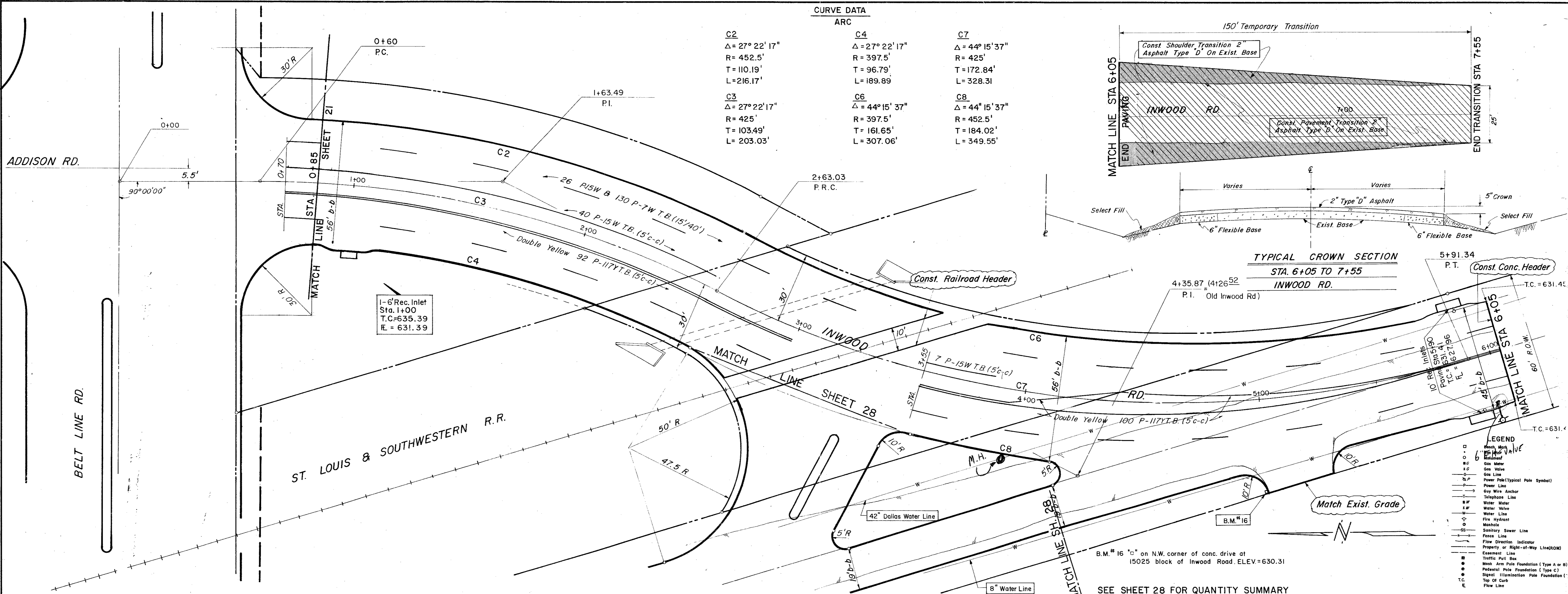
B.M. #1 "o" Top Of North Curb On Belt Line At 25' East Of End Of Conc. Curb & Gutter 200' West Of Intersection Of Dallas Parkway. ELEV.=6.3553



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

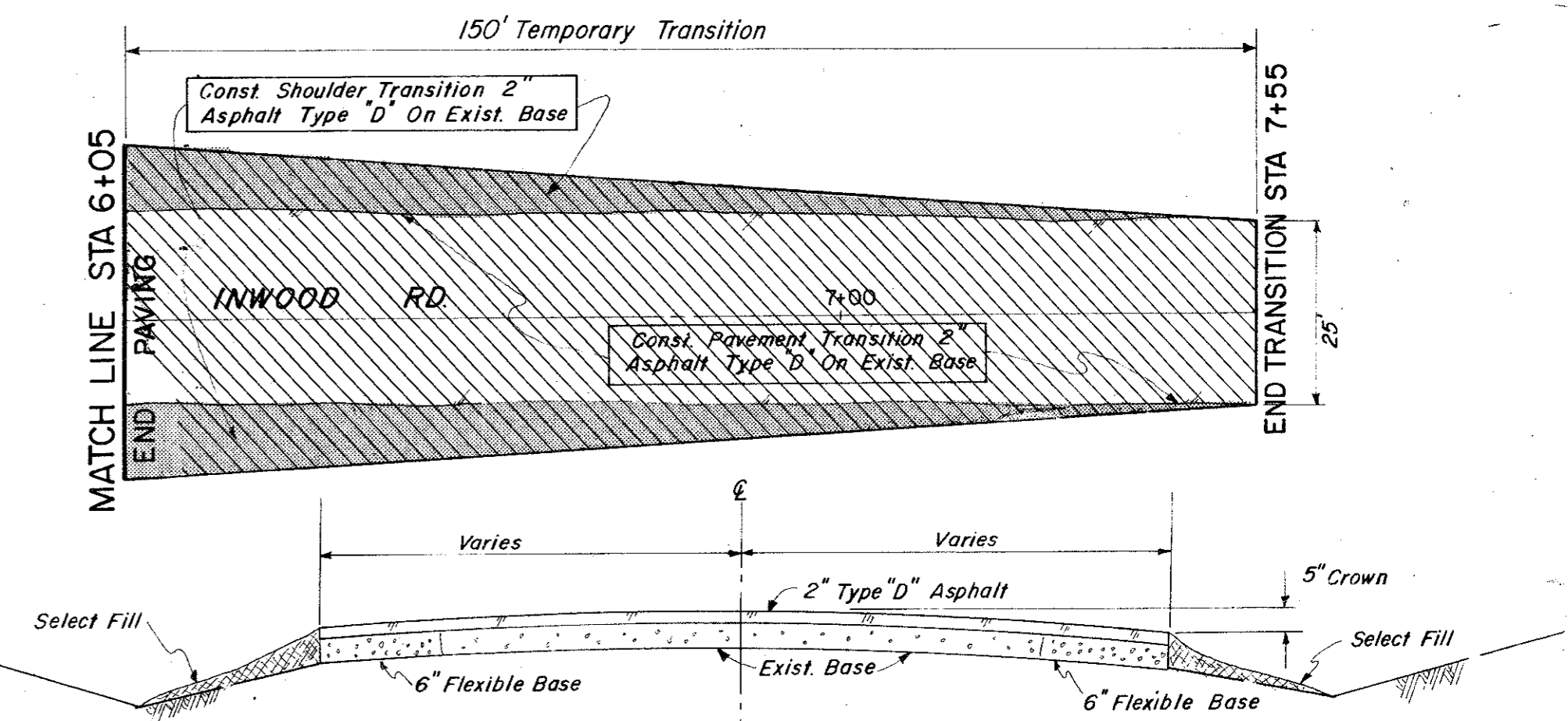
PAVING Sta. 100+00 to 100+84.27  
**BELT LINE ROAD**  
 MARSH LANE TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

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

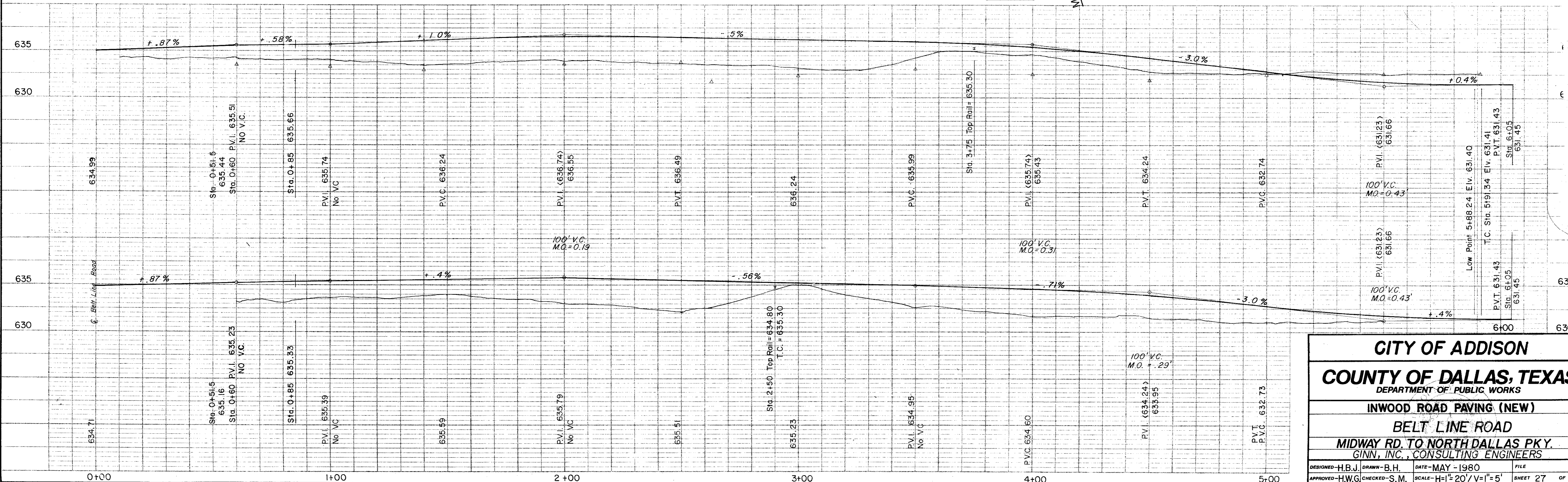


**CURVE DATA**

ARC	
<b>C2</b>	<b>C4</b>
$\Delta = 27^\circ 22' 17''$	$\Delta = 27^\circ 22' 17''$
$R = 452.5'$	$R = 397.5'$
$T = 110.19'$	$T = 96.79'$
$L = 216.17'$	$L = 189.89'$
<b>C3</b>	<b>C6</b>
$\Delta = 27^\circ 22' 17''$	$\Delta = 44^\circ 15' 37''$
$R = 425'$	$R = 397.5'$
$T = 103.49'$	$T = 161.65'$
$L = 203.03'$	$L = 307.06'$
<b>C7</b>	<b>C8</b>
$\Delta = 44^\circ 15' 37''$	$\Delta = 44^\circ 15' 37''$
$R = 425'$	$R = 452.5'$
$T = 172.84'$	$T = 184.02'$
$L = 328.31'$	$L = 349.55'$



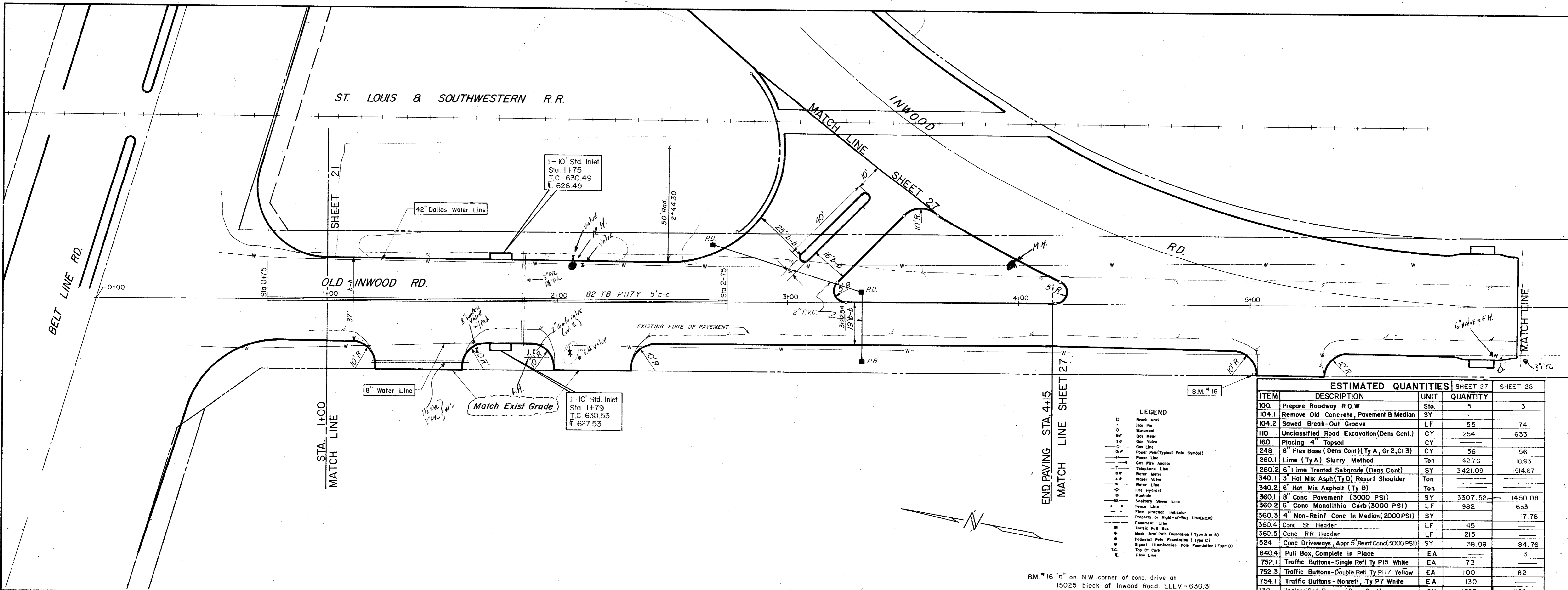
- LEGEND**
- Manhole
  - Manhole Valve
  - Gas Valve
  - Gas Meter
  - Gas Line
  - Power Pole (Typical Pole Symbol)
  - Power Line
  - City Wire Anchor
  - Telephone Line
  - Water Meter
  - Water Valve
  - Water Line
  - Fire Hydrant
  - Manhole
  - Sanitary Sewer Line
  - Face Line
  - Flow Direction Indicator
  - Property or Right-of-Way Line (ROW)
  - Easement Line
  - Traffic Post Box
  - 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

**INWOOD ROAD PAVING (NEW)**  
**BELT LINE ROAD**  
 MIDWAY RD. TO NORTH DALLAS PKY.  
 GINN, INC., CONSULTING ENGINEERS

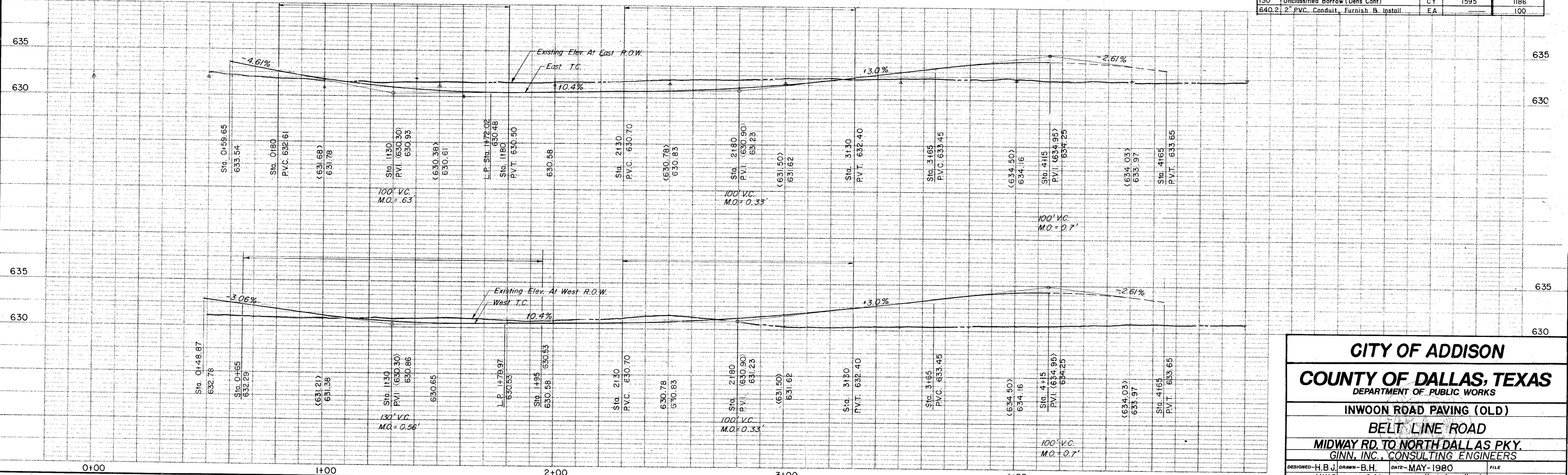
DESIGNED - H.B.J. / DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G. / CHECKED - S.M.	SCALE - H=1/2" / V=1" = 5'	SHEET 27 OF



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	55
110	Unclassified Road Excavation (Dens Cont.)	CY	254
160	Placing 4" Topsoil	CY	---
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	Ton	18.93
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	---
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)
  - 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.)
  - Equipment Line
  - Traffic Pull 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

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

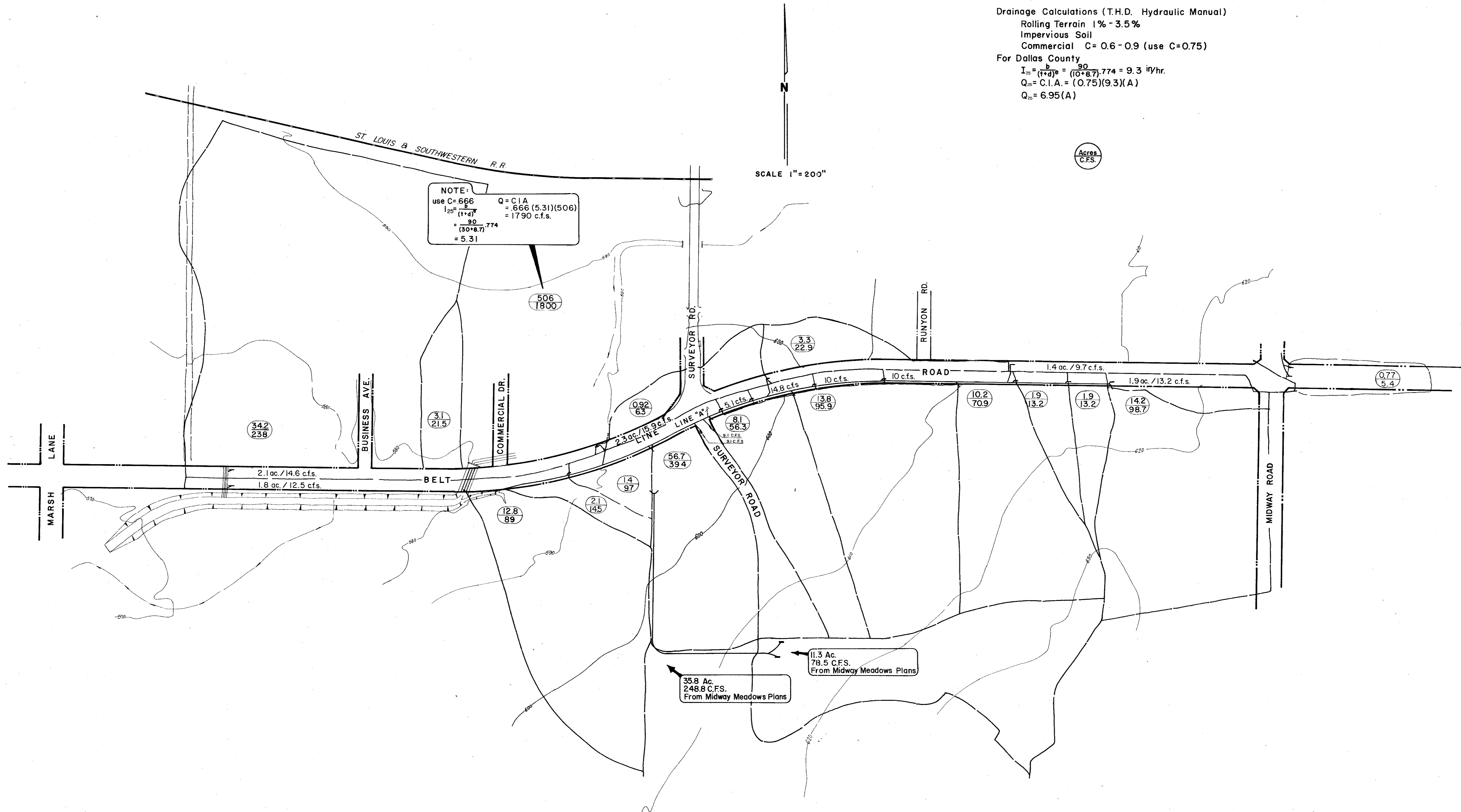
DESIGNED - H.B.J. DRAWN - B.H. DATE - MAY - 1980 FILE  
 APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20'/V=1"=5' SHEET 28 OF



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  
 $I_{25} = \frac{b}{(1+d)^e} = \frac{90}{(10+8.7)^{0.774}} = 9.3 \text{ in/hr.}$   
 $Q_{25} = C.I.A. = (0.75)(9.3)(A)$   
 $Q_{25} = 6.95(A)$

SCALE 1" = 200'

NOTE:  
 use C = 666  $Q = C.I.A$   
 $\frac{1.25}{(1+d)^e} = 666 (5.31)(506)$   
 $= 1790 \text{ c.f.s.}$   
 $\frac{90}{(30+8.7)^{0.774}} = 5.31$



<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
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - 1" = 200'
FILE		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)

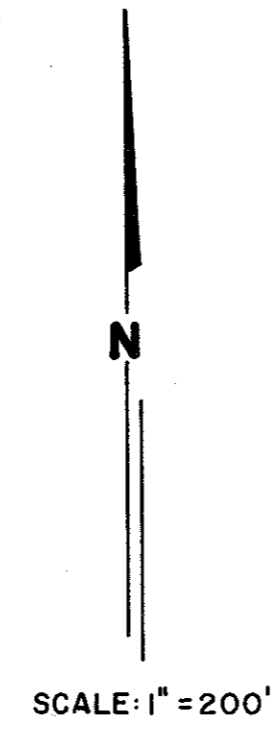
For Dallas County

$$I_{24} = \frac{b}{(1+d)^e} = \frac{90}{(10+8.7)^{.774}} = 9.3 \text{ in/hr.}$$

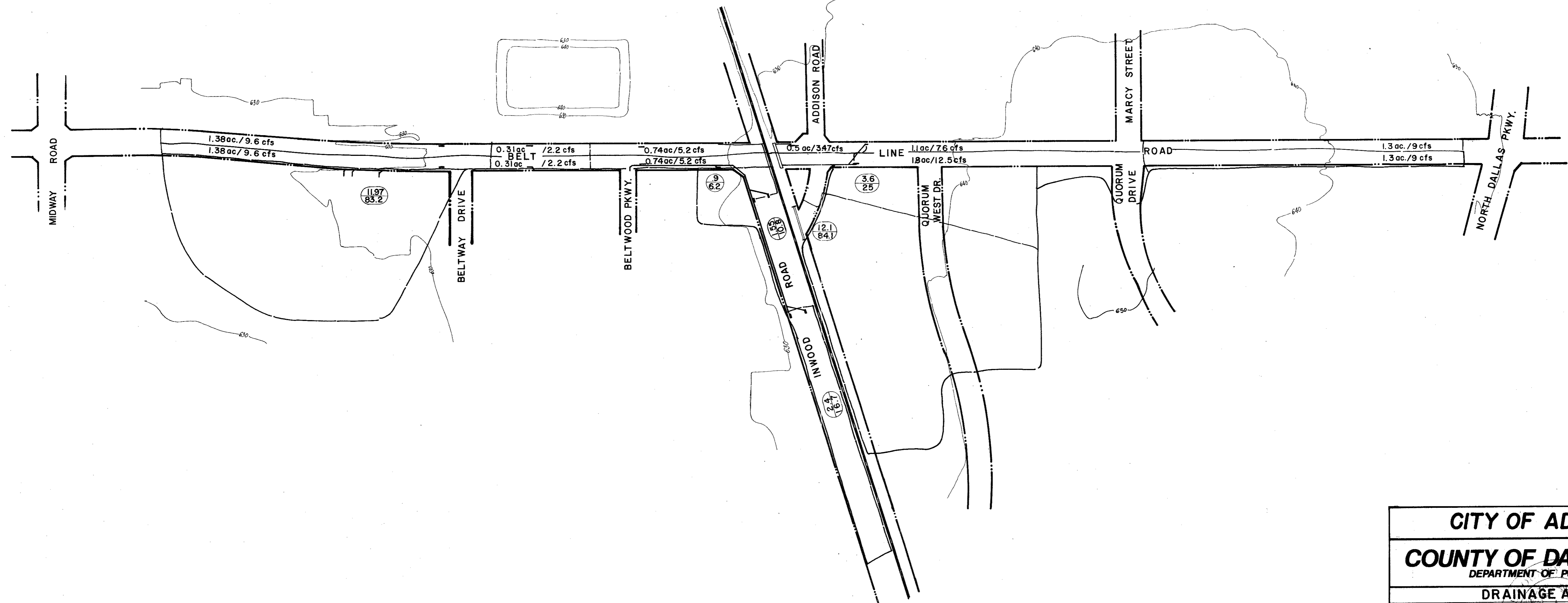
$$Q_{24} = C.I.A. = (0.75)(9.3)(A)$$

$$Q_{24} = 6.95(A)$$

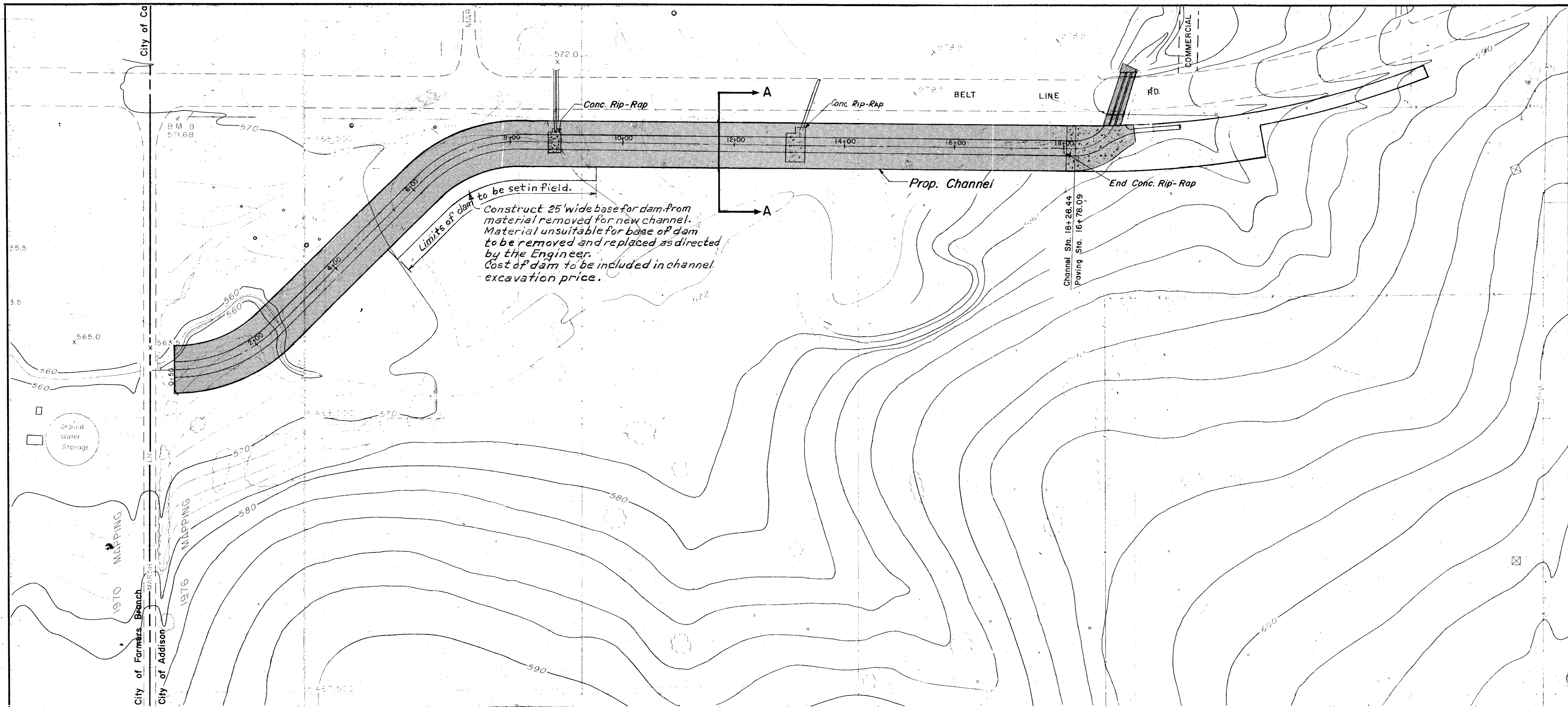
Acres  
 C.F.S.



SCALE: 1" = 200'



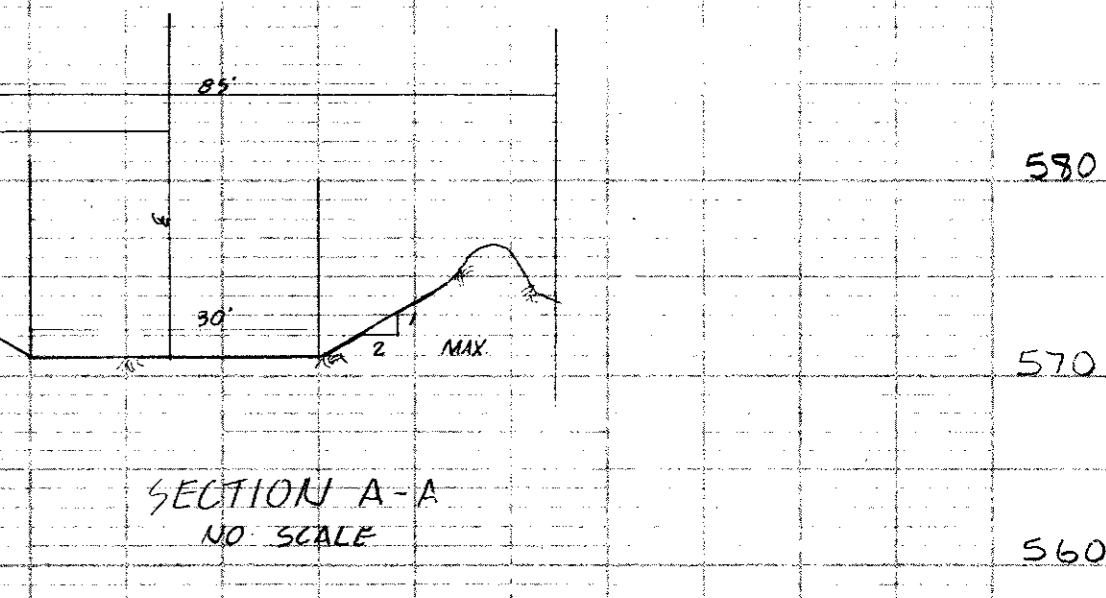
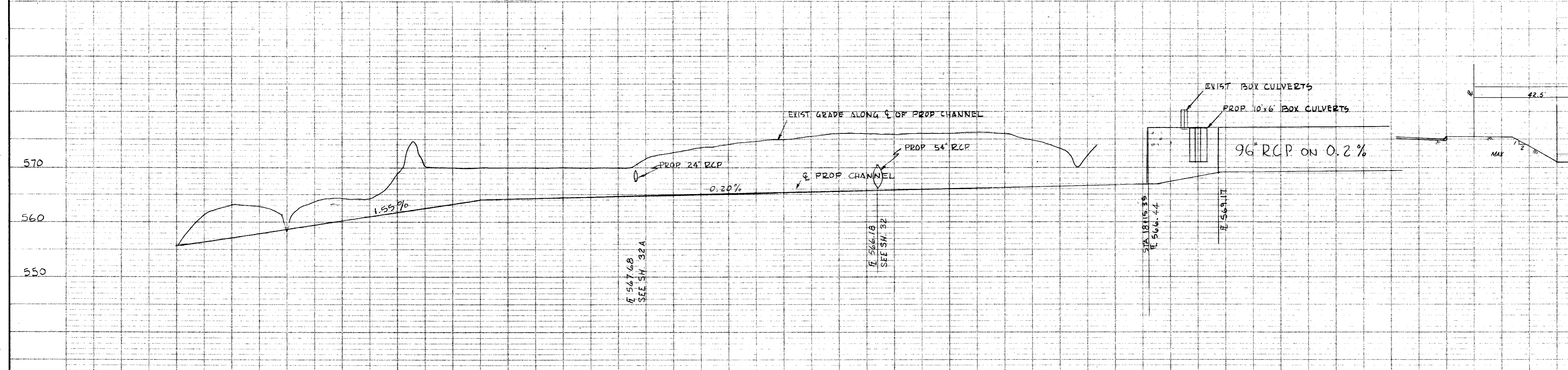
<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXAS</b>			
<small>DEPARTMENT OF PUBLIC WORKS</small>			
<b>DRAINAGE AREA MAP</b>			
<b>BELT LINE ROAD</b>			
<b>MIDWAY ROAD TO NORTH DALLAS PKWY.</b>			
<b>GINN, INC., CONSULTING ENGINEERS</b>			
DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY-1980	FILE
APPROVED - HWG	CHECKED - S.M.	SCALE - 1" = 200'	SHEET 30 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
120	Exc. Chan. (From Cont.)	LS	1
164	Gravel for Erosion Cont.	LS	15,000.0

**LEGEND**

- Bench Mark
- Iron Pin
- Minimeter
- 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
- Face Line
- Flow Direction Indicator
- Property or Right-of-Way Line (ROW)
- Easement Line
- Traffic Post Box
- Wash Arm Pole Foundation (Type A or B)
- Pedestal Pole Foundation (Type C)
- Signal Illumination Pole Foundation (Type D)
- Top of Curb
- Flow Line



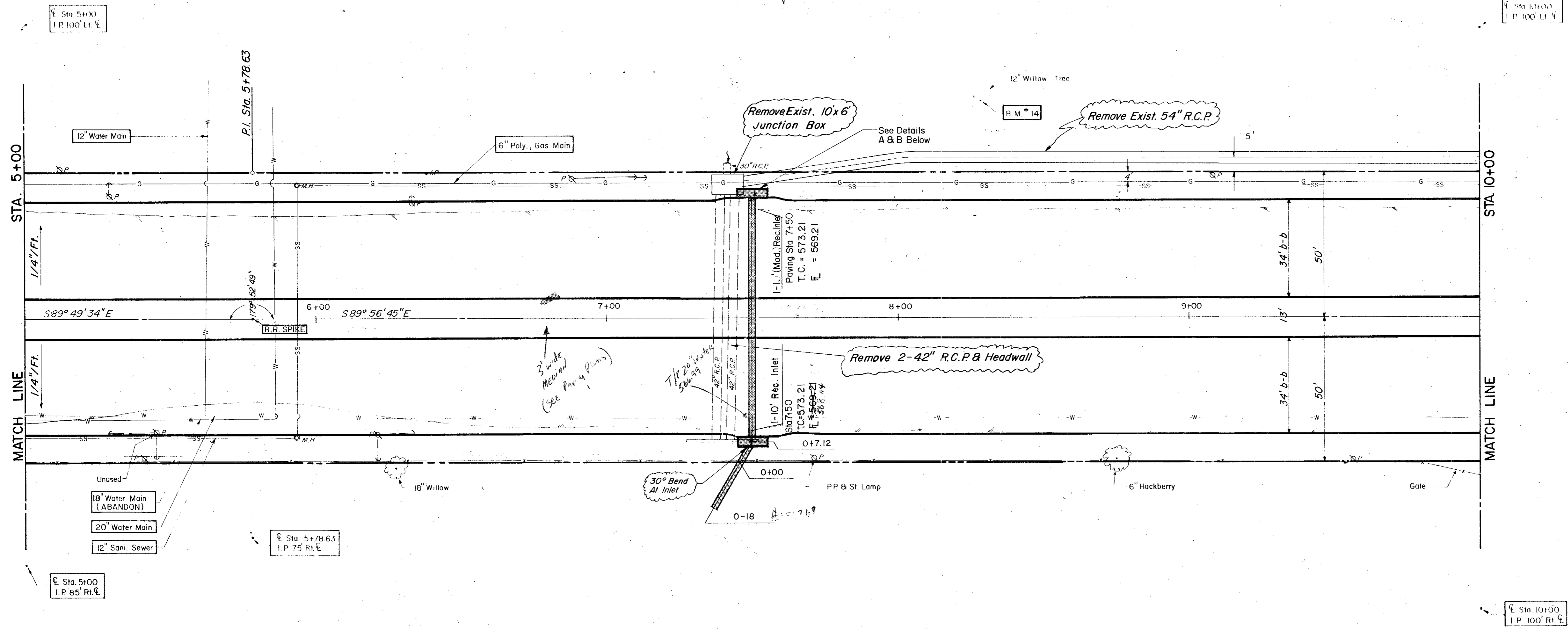
REVISION DATE 6-13-80

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

**OPEN CHANNEL DETAILS**  
**BELT LINE ROAD**

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

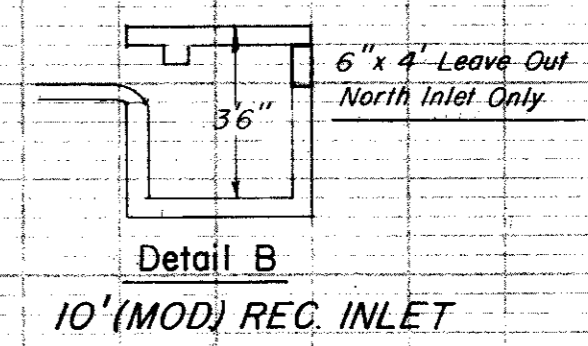
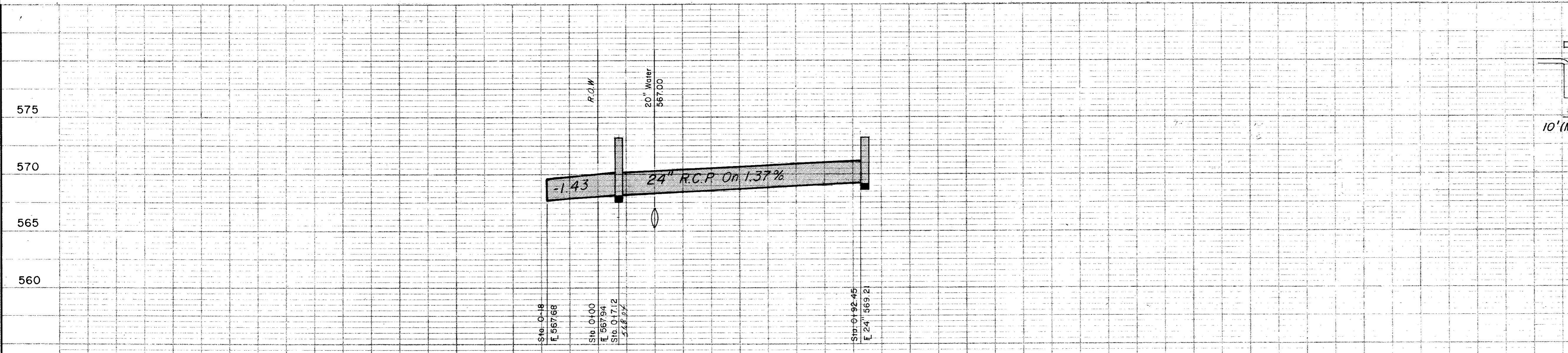
DESIGNED - J.C.H. DRAWN - B.H. DATE - MAY - 1980 FILE  
 APPROVED - HWG CHECKED - S.M. SCALE - H = 1" = 100' V = 1" = 10' SHEET 31 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
421.1	Conc. Headwall (CI-A)	CY	2.4
440.1	Reinforcing Steel	LB	245.0
465.4	30" R.C.P. CI III	LF	241.0
465.3	24" R.C.P. CI III	LF	174.0
470.2	10" Rec. Inlet-comp. In Pl.	EA	1.0
470.3	Adjust 20" water main	LF	30.0
496.2	Remove Existing 2-42" RCP	LF	1.0
496.3	Remove 54" R.C.P.	LF	255.0

LEGEND	
□	Block Wall
○	Iron Pin
○	Manhole
○	One 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
○	Manhole Pole Foundation (Type A or B)
○	Pole Foundation (Type C)
○	Signal Attention Pole Foundation (Type D)
○	Top Of Curb
○	Flow 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. 576.30



NO SCALE

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

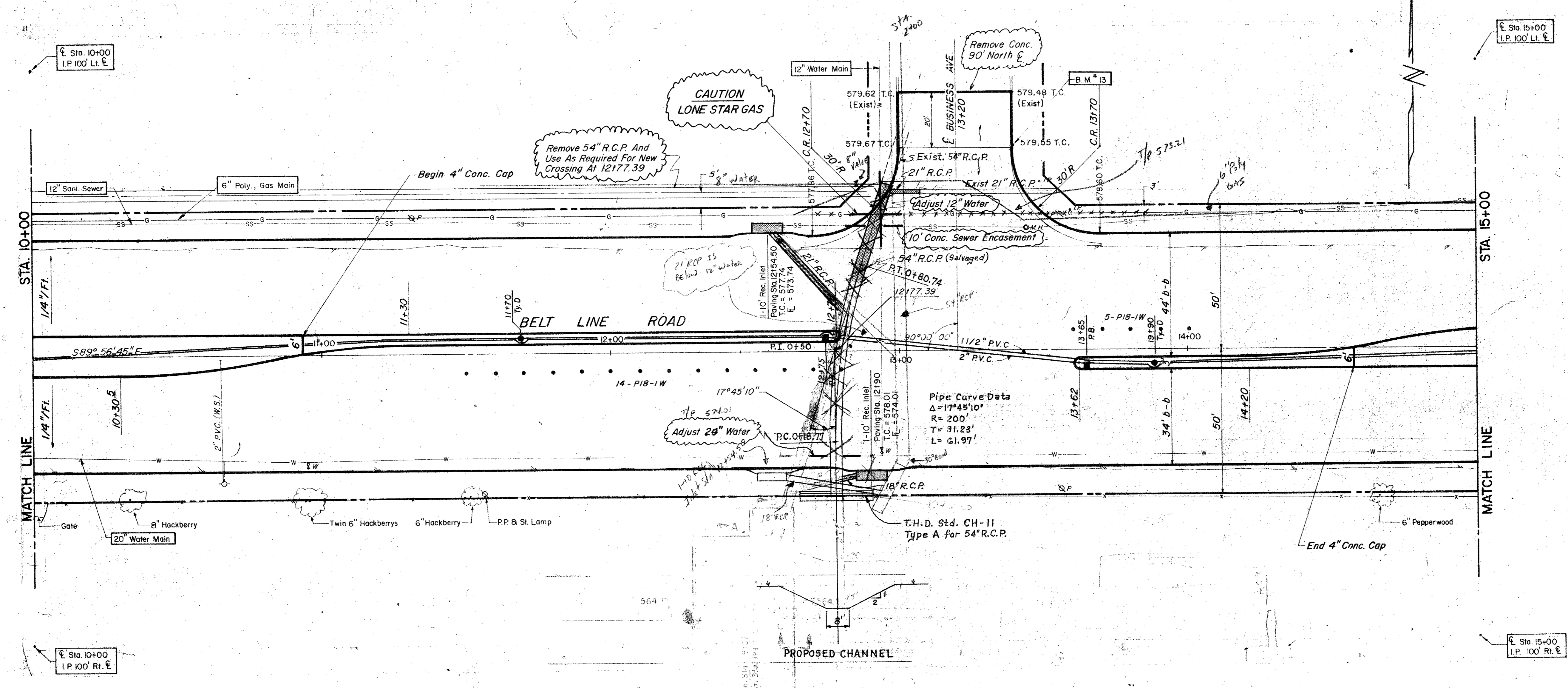
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 DRAINAGE STA. 5+00 - 10+00  
**BELT LINE ROAD**  
 MARSH LN. TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

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

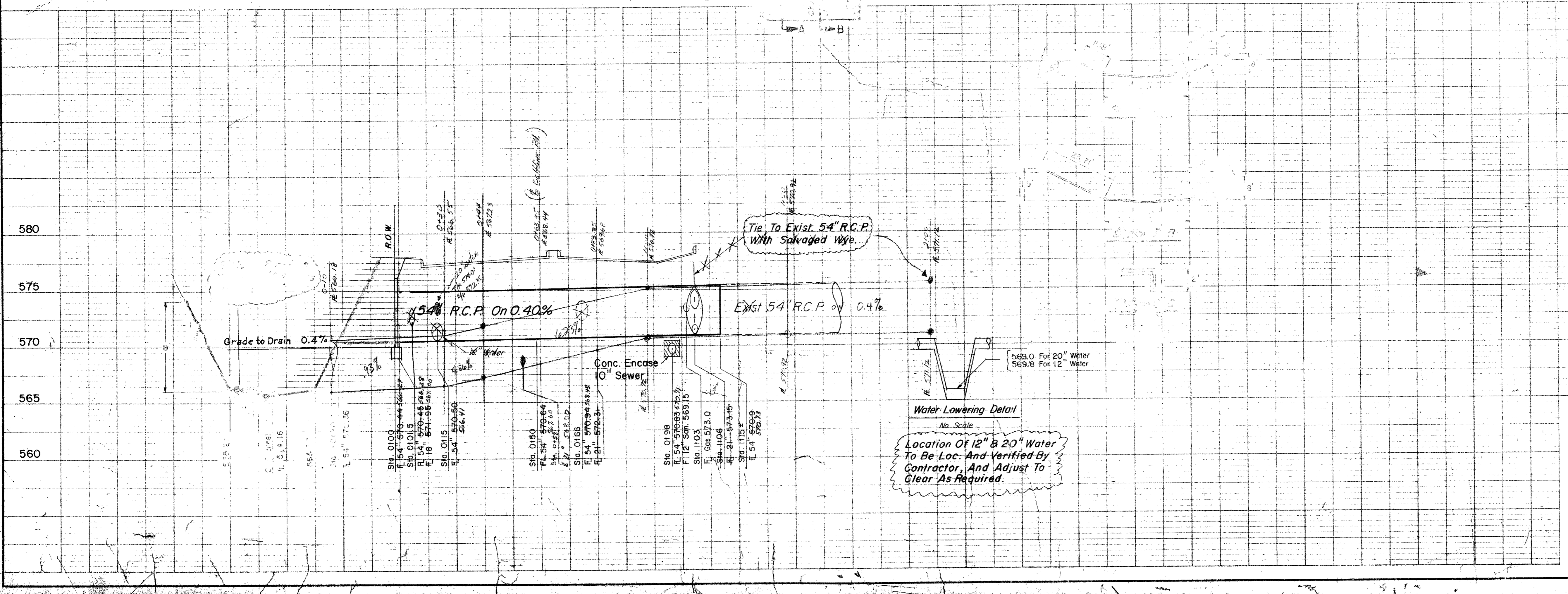
ITEM	DESCRIPTION	UNIT	QUANTITY
432	Con. Rip-Rap	SY	272.5
479.7	Sewer Encasement / C.I. Pipe	LF	10.0
440.9	Reinf. Steel (For Rip-Rap)	LBS	1109.9
465.1	18" R.C.P. CI III	LF	24.0
465.2	21" R.C.P. CI III	LF	50.0
470.2	10" Rec. Inlet - Comp. In Pl.	EA	2.0
479.6	Adjust 12" Water	LF	30.0
479.3	Adjust 20" Water	LF	10.0
469.3	Remove 54" R.C.P.	LF	297.0
464.14	Relay 54" R.C.P.	LF	135.0

**LEGEND**

□	Block Mark
•	Iron Pin
○	Manhole
RG	Gas Meter
RG	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 Inducing
—	Property or Right-of-Way Line (ROW)
—	Easement Line
—	Traffic Pole Box
—	Block Area Pole Foundation (Type A or B)
—	Pedestal Pole Foundation (Type C)
—	Signal / Identification Pole Foundation (Type D)
—	Top Of Curb
—	Flow Line



B.M. 13 "a" Top of Curb At Curb Return East Side Of Business Ave. & North Of Belt Line, ELEV= 579.86



NO.	REVISION	DATE
1	Added Sh.	6-13-80

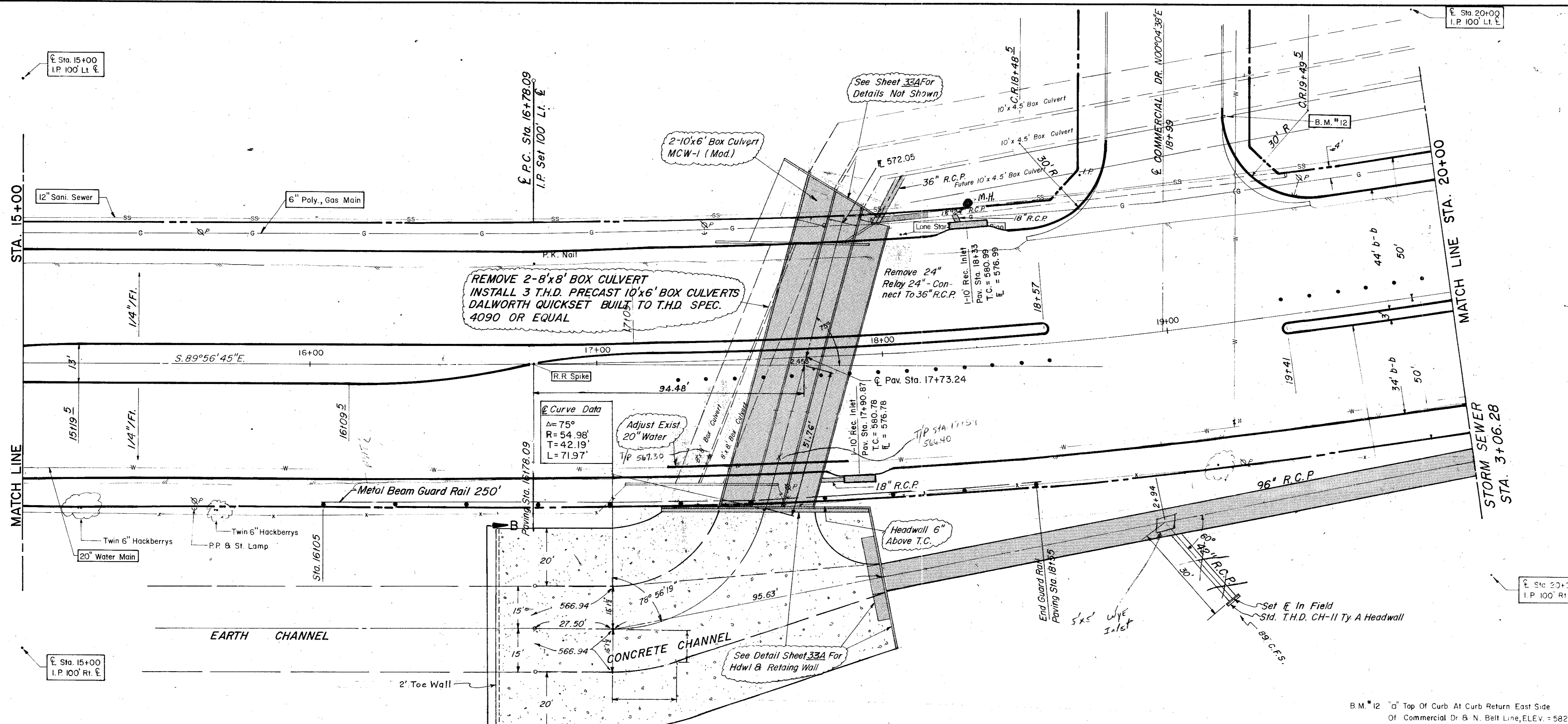
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

DRAINAGE STA. 10+00 - 15+00  
**BELT LINE ROAD**  
 MARSH LN. TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

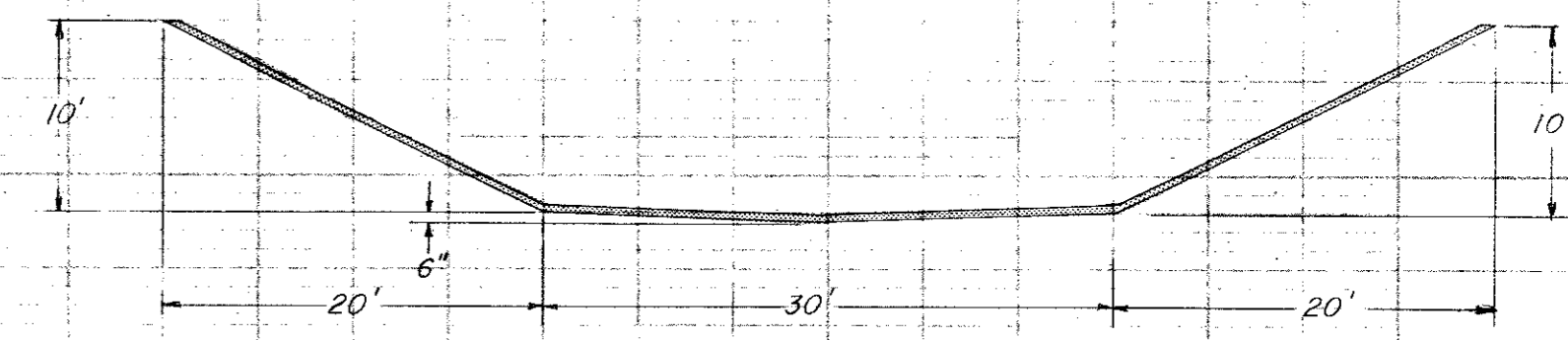
DESIGNED - A.C.F. DRAWN - S.M. DATE - JUNE - 1980 FILE  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20' V=1"=5' SHEET 32 A OF 3

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
4000	PRECAST 10x6' CONC. BOX CVLVT	LF	315
421.1	CL. A CONC. FOR HEADWALLS	CY	4.1
432.2	CONC. RETAINING WALLS (CL. III)	CY	64.4
432	18" R.C.P. CHANNEL	LF	1055
465.13	9" R.C.P.	LF	213
479.3	Adjust 20" Water Main	LF	43.0
490.1	Remove 24" R.C.P.	LF	1.0
490.2	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
496.4	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
496.5	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
496.6	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
496.7	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
496.8	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
496.9	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.0	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.1	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.2	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.3	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.4	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.5	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.6	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.7	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.8	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
497.9	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.0	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.1	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.2	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.3	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.4	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.5	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.6	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.7	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.8	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
498.9	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.0	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.1	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.2	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.3	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.4	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.5	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.6	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.7	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.8	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
499.9	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100
500.0	REMOVE 24" R.C.P. TO 36" R.C.P.	LF	100

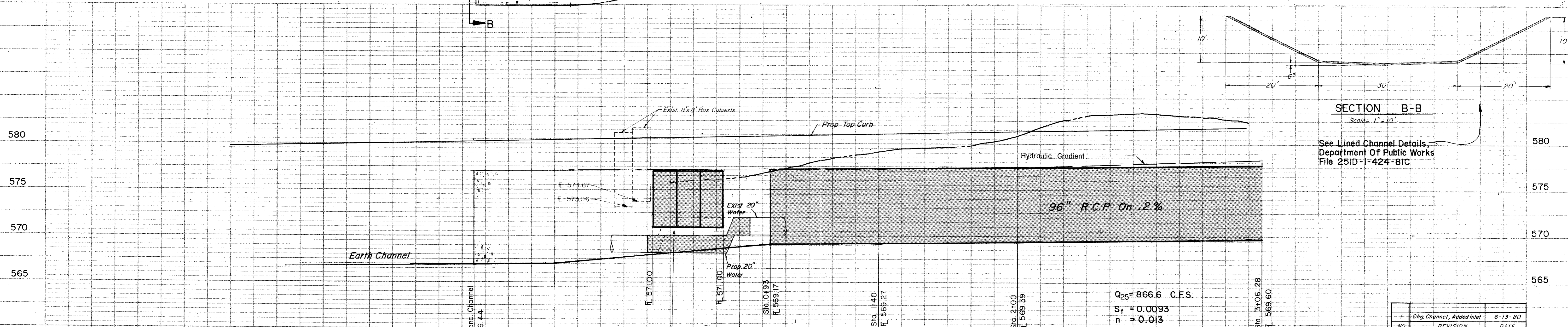
LEGEND	
□	Manhole
○	Iron Pipe
○	Monument
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Gas Valve Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Flag Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (Dotted)
○	Existing Line
○	Traffic Pole
○	Man Arm Pole Foundation (Type A or B)
○	Post-tensioned 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



See Lined Channel Details, Department of Public Works File 251D-1-424-81C



Q<sub>25</sub> = 866.6 C.F.S.  
S<sub>f</sub> = 0.0093  
n = 0.013  
C = 866.6 C.F.S.

Approximate Location Of 20" Water Main 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. 15+00-20+00  
 BELT LINE ROAD  
 MARSH LN. TO NOTH 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 33 OF

Approx. location 10" san. sewer. Locate prior to start of construction. Exist. sewer encased under riprap.

Install 29 L.F. 36" R.C.P. Breakout exist. wall as required. Bevel cut end for flush finish.

Remove and relay exist. 21" R.C.P. as req'd. to tie to new 36" R.C.P. (22 L.F.)

Remove wall and footing. 10' Future Box. 8" Conc. plug wall w/ #4 @ 18" ea. way.

2-10' x 4.5' Exist. Culverts. 10' Existing parapet wall. Existing #4 @ 18" R.C.P. wall.

Reinf. same as 2-10' x 6' culverts - T.H.D. MC10-1. Variable depth due to san. swr.

Remove wall to top of box. 1- Sect. @ 9'-0" (Typ.) 8- Sections @ 12'-0" = 96'-0" (Typ.)

Remove all 6" non-reinf. channel lining. (100 S.Y.)

Remove parapet. Bend reinf into new box. New 10' x 6' MCW-1. Extend reinf into new box.

Remove wall footing. Break line. Break line.

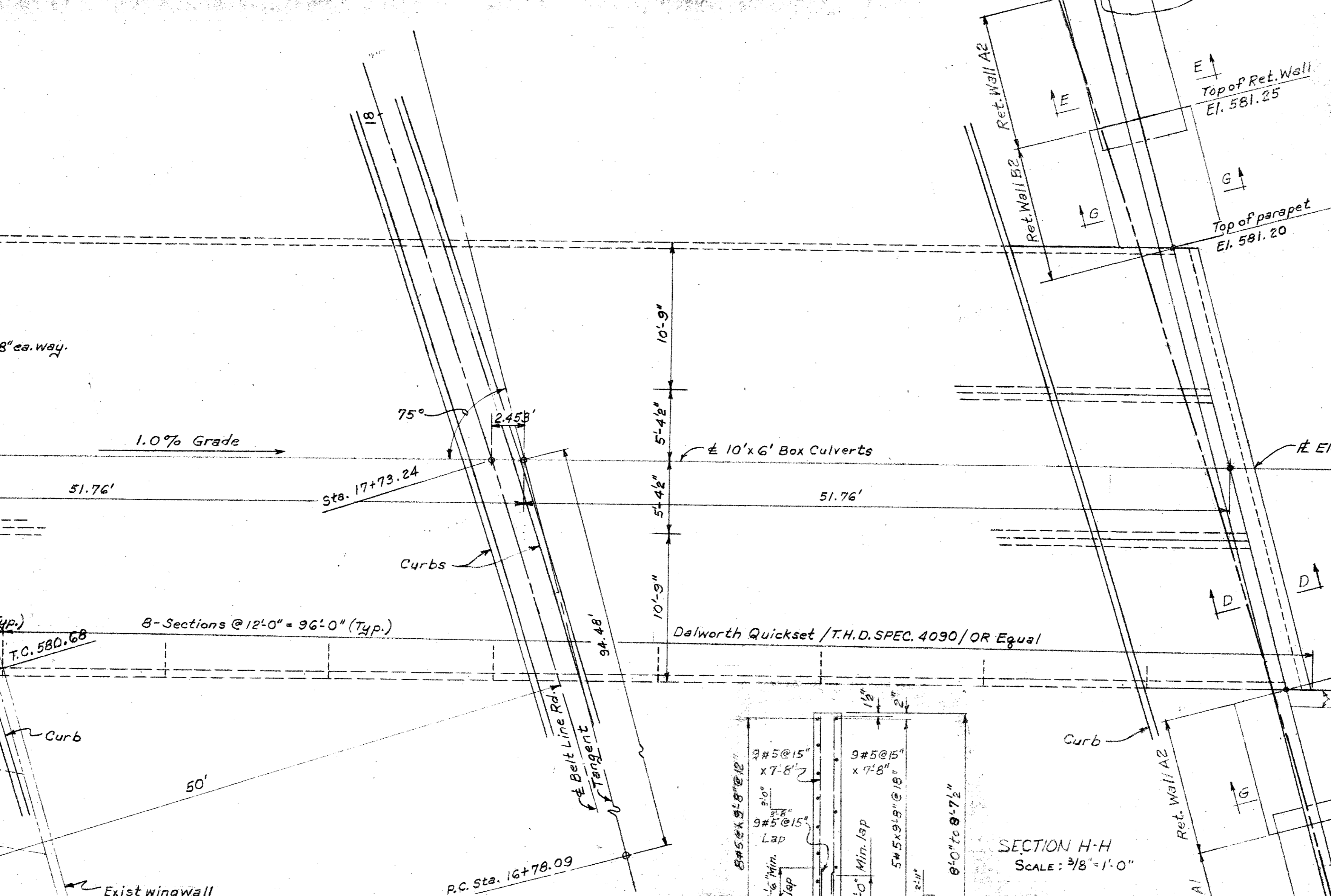
Remove parapet. Bend reinf into new box. New 10' x 6' MCW-1. Extend reinf into new box.

Remove wall footing. Break line. Break line.

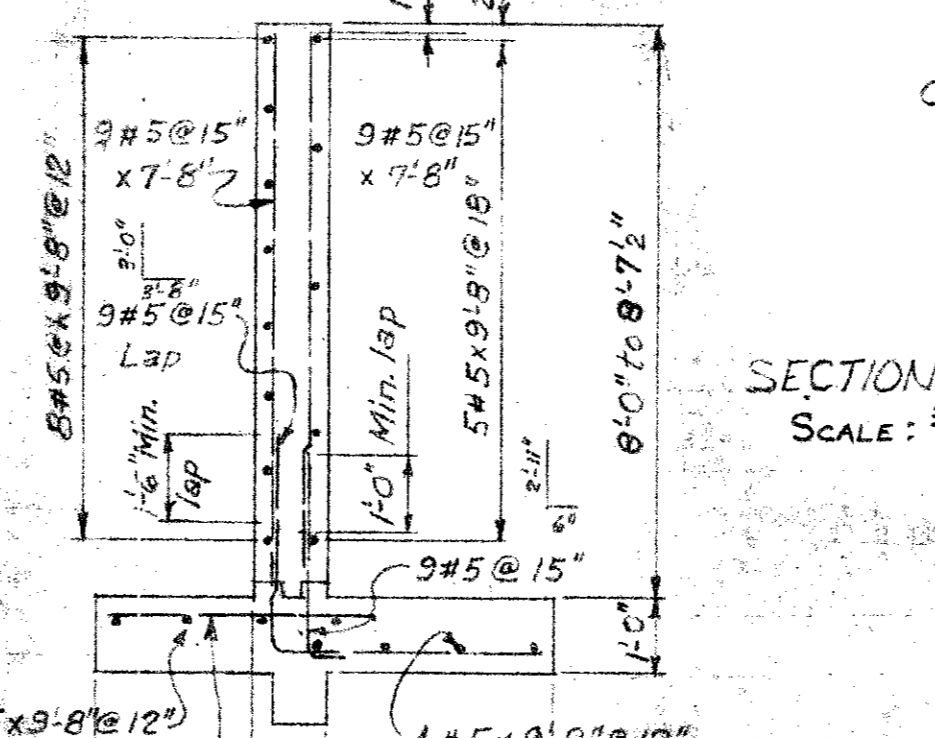
Remove parapet. Bend reinf into new box. New 10' x 6' MCW-1. Extend reinf into new box.

Remove wall footing. Break line. Break line.

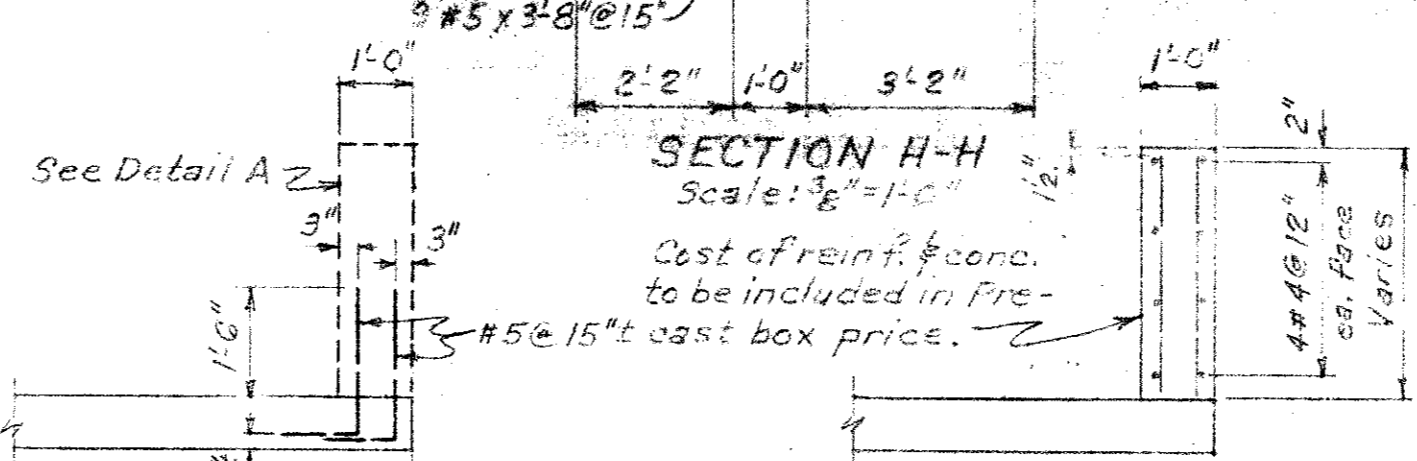
Remove parapet. Bend reinf into new box. New 10' x 6' MCW-1. Extend reinf into new box.



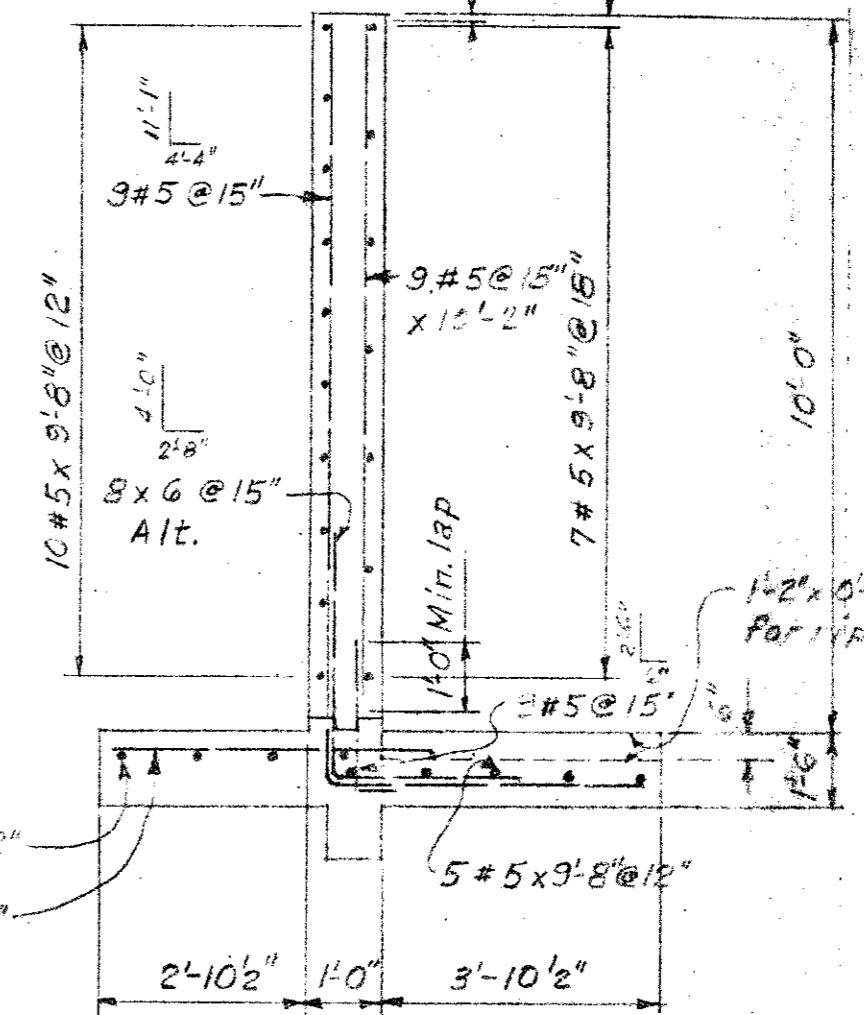
PLAN OF BOX CULVERT Scale: 3/16" = 1'-0"



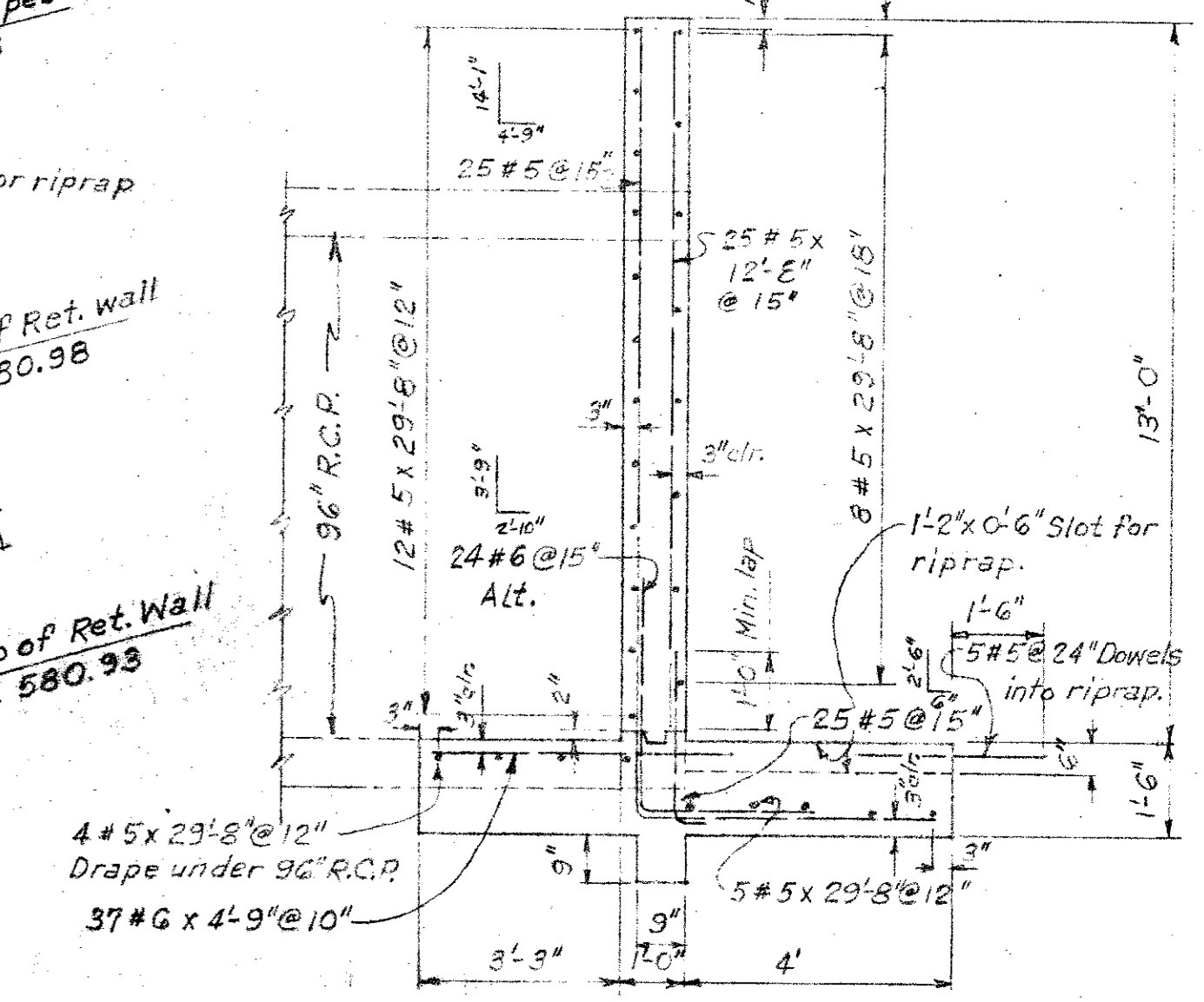
SECTION H-H Scale: 3/8" = 1'-0"



SECTION D-D Scale: 3/8" = 1'-0"



SECTION G-G Scale: 3/8" = 1'-0"



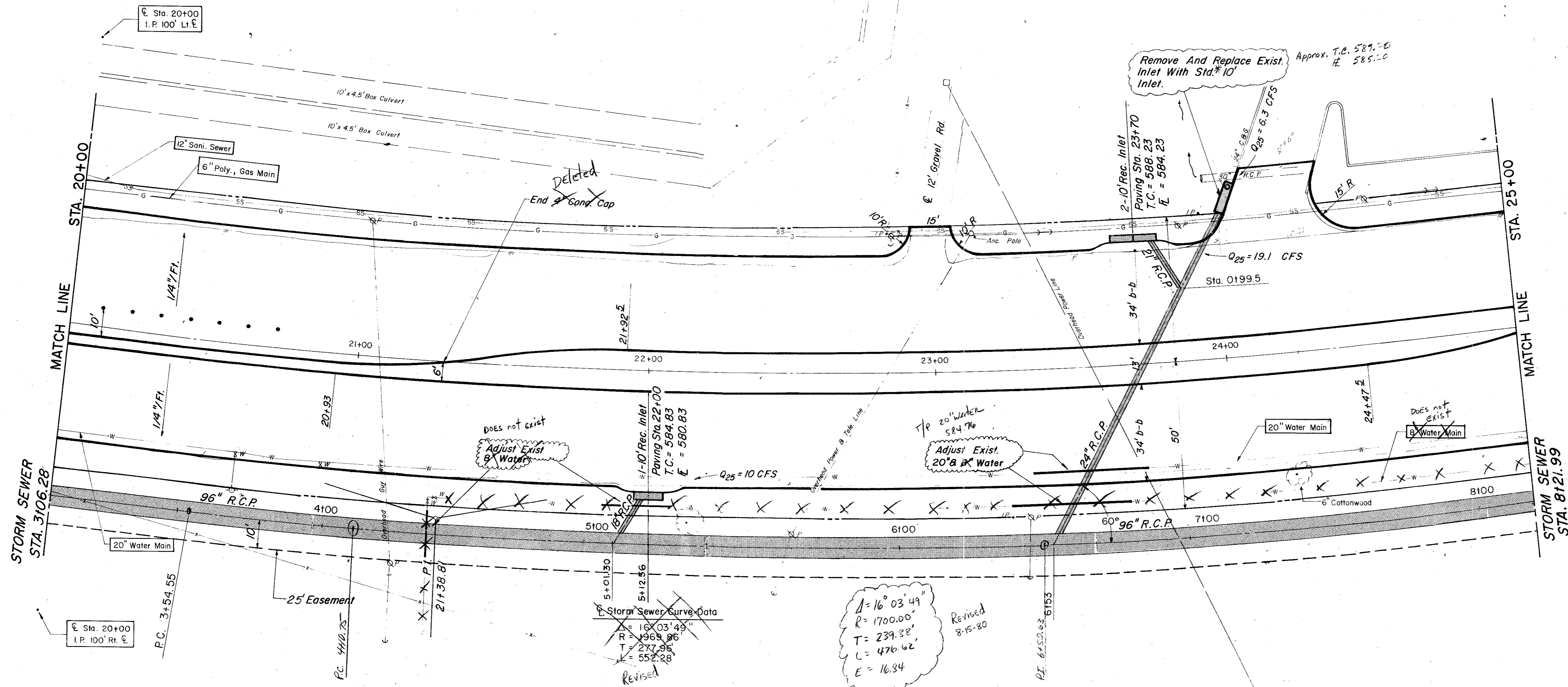
SECTION F-F Scale: 3/8" = 1'-0"

RETAINING WALL CLASS  
All concrete to be Class C, f'c = 3600 psi in 28 days.  
All reinf. steel to be A.S.T.M. Grade 60.  
Concrete 64.4 C.Y.  
Reinf. Steel 6061 Lbs.

1	Add. Sh.	6-13-80
NO.	REVISION	DATE

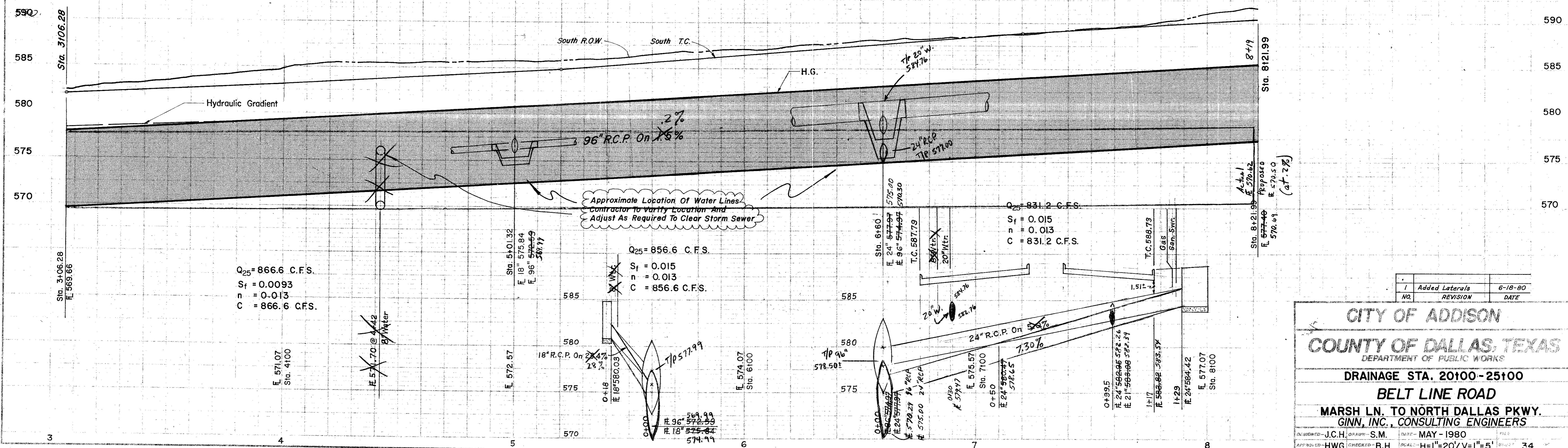
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
DEPARTMENT OF PUBLIC WORKS  
**BOX CULVERT & RETAINING WALL DETAILS**  
**BELT LINE ROAD**  
MARSH LN. TO NORTH DALLAS PKWY.  
GINN, INC., CONSULTING ENGINEERS

DESIGNED - A.C.F.	DRAWN - A.C.F.	DATE - JUNE 1980	FILE
APPROVED - HWG	CHECKED - S.M.	SCALE - AS SHOWN	SHEET 33 A OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
465.1	18" R.C.P. 111	LF	1.7
465.2	24" R.C.P. 111	LF	37.6
465.3	36" R.C.P. 111	LF	13.0
470.1	12" San. Sewer	EA	1.0
470.2	6" Poly. Gas Main	EA	1.0
470.3	2-10" Rec. Inlet	EA	2.0
470.4	Standard C. Inlet	EA	1.0
470.5	20" Water Main	LF	20.0
470.6	Adjust 8" Water Main	LF	47.0

LEGEND	
□	Blank Work
○	Iron Pole
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Telephone Line
○	Eye Wire Anchor
○	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 Post Box
○	Max. Arm Pole Foundation (Type A or B)
○	Patented Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Face Line

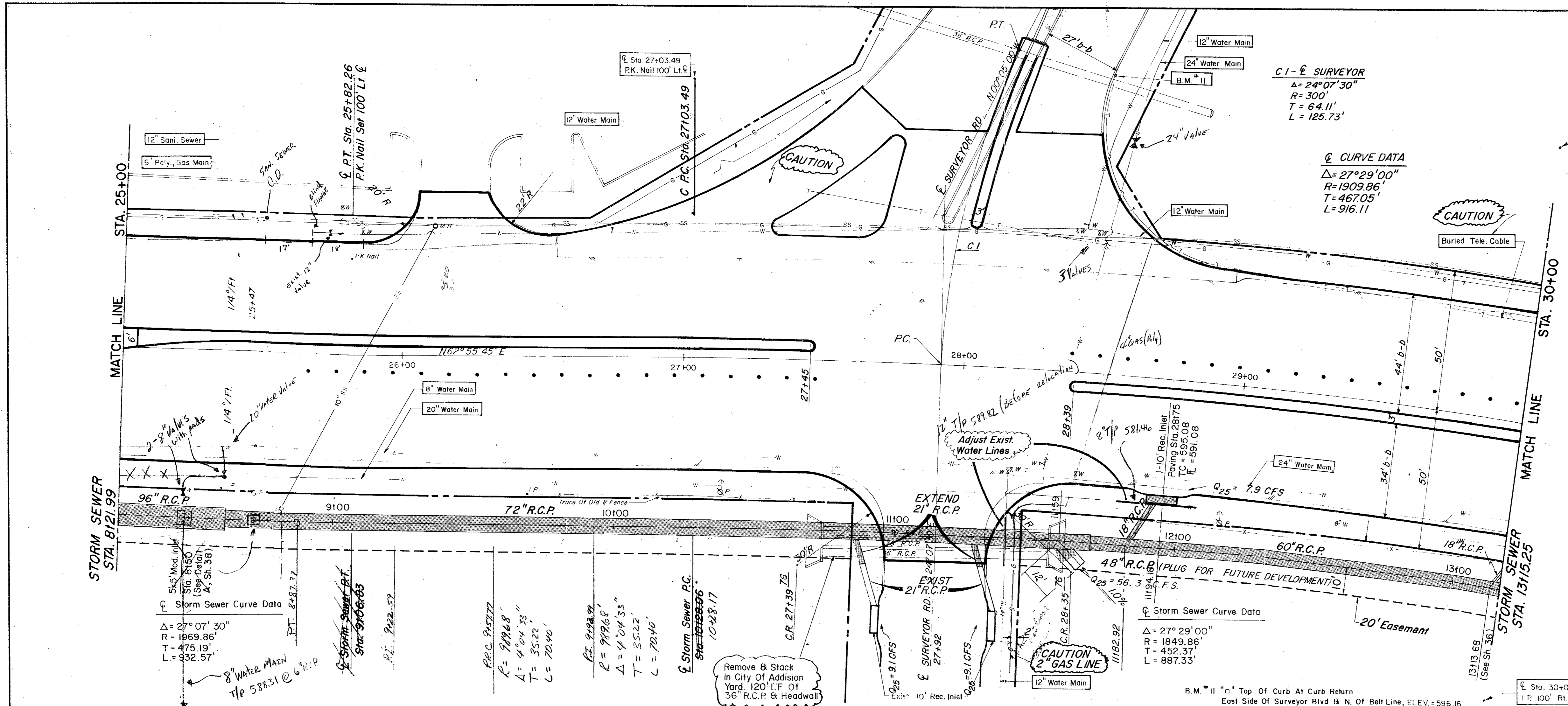


**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS

**DRAINAGE STA. 20+00-25+00**  
**BELT LINE ROAD**  
**MARSH LN. TO NORTH DALLAS PKWY.**  
**GINN, INC., CONSULTING ENGINEERS**

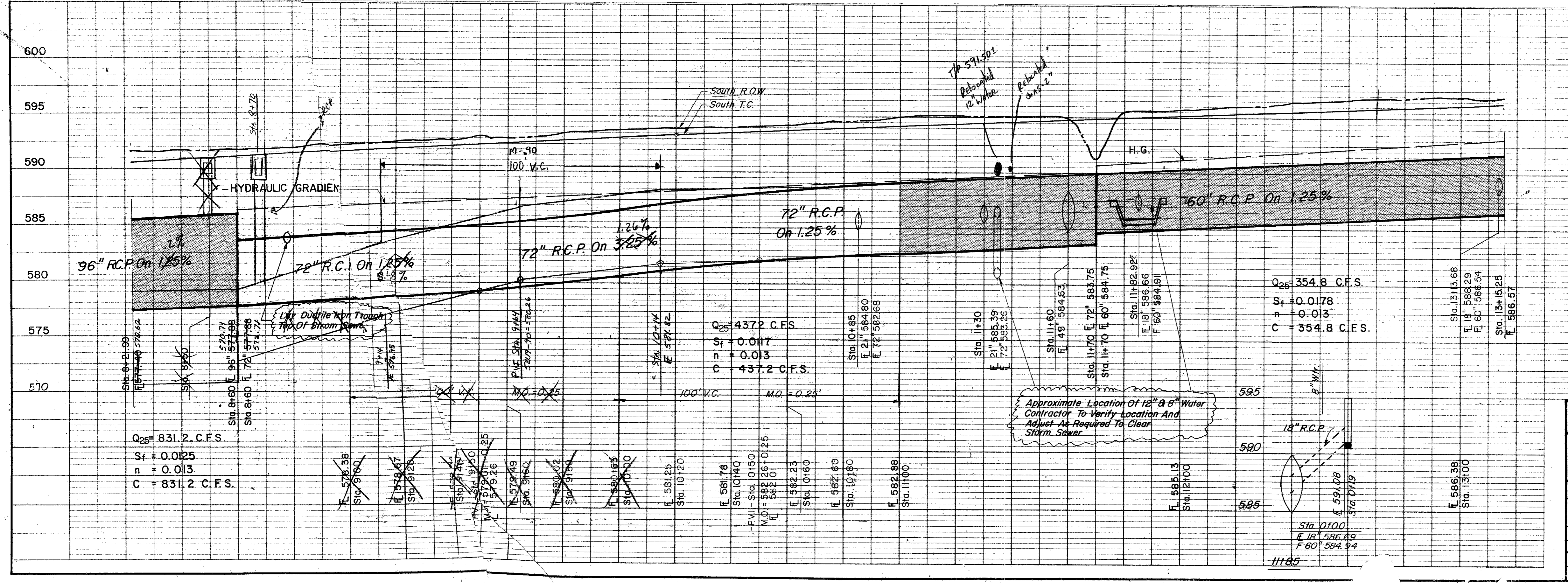
DESIGNED - J.C.H. DRAWN - S.M. DATE - MAY - 1980  
 APPROVED - HWG. CHECKED - B.H. SCALE - H=1"=20'/V=1"=5'





ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
447.1	18" RCP CI III	LF	30.0
447.2	21" RCP CI III	LF	21.0
465.7	48" RCP CI III	LF	12.0
465.10	60" RCP CI III	LF	143.0
465.11	66" RCP CI III	LF	24.0
465.12	72" RCP CI III	LF	310.0
465.13	96" RCP CI III	LF	53.0
475.4	10 Rec. Inlet	Ea.	1.0
475.5	Adjust. 8" Water Main	LF	2.0
475.6	8" Castile Iron Trough Storm Sewer	LF	1.0
470.7	Mod. 5 Type 'Y' Inlet	Ea.	1.0

LEGEND	
□	Death Mark
○	Iron Pin
●	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	City 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 Pole Box
○	Mark Iron 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  
**DRAINAGE STA. 25100-30100**  
**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

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

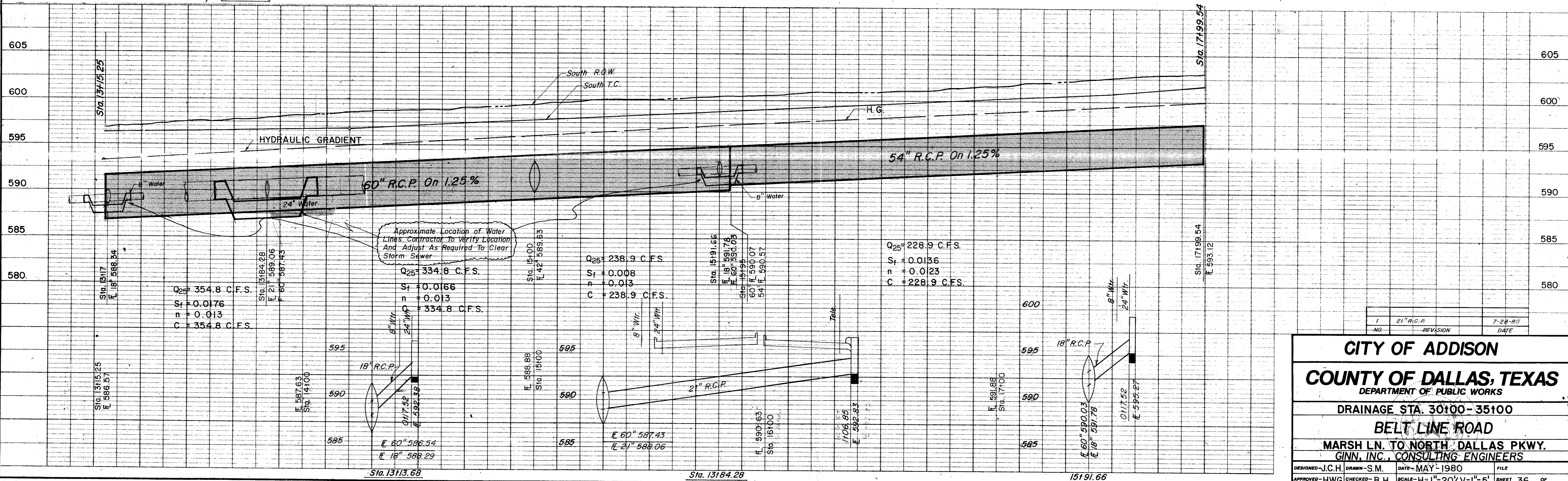
Sta 35+00  
 I.P. 100' Lt. E

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
465.1	18" R.C.P. Cl III	LF	40.0
465.2	21" R.C.P. Cl III	LF	115.0
465.3	42" R.C.P. Cl III	LF	13.0
465.4	54" R.C.P. Cl III	LF	275.0
465.5	60" R.C.P. Cl III	LF	275.0
470.2	10" Rec. Inlet-comp'l Top Pl.	EA	2
479.3	Adjust 24" Water Main	LF	40.0
479.4	Adjust 8" Water Main	LF	60.0

LEGEND

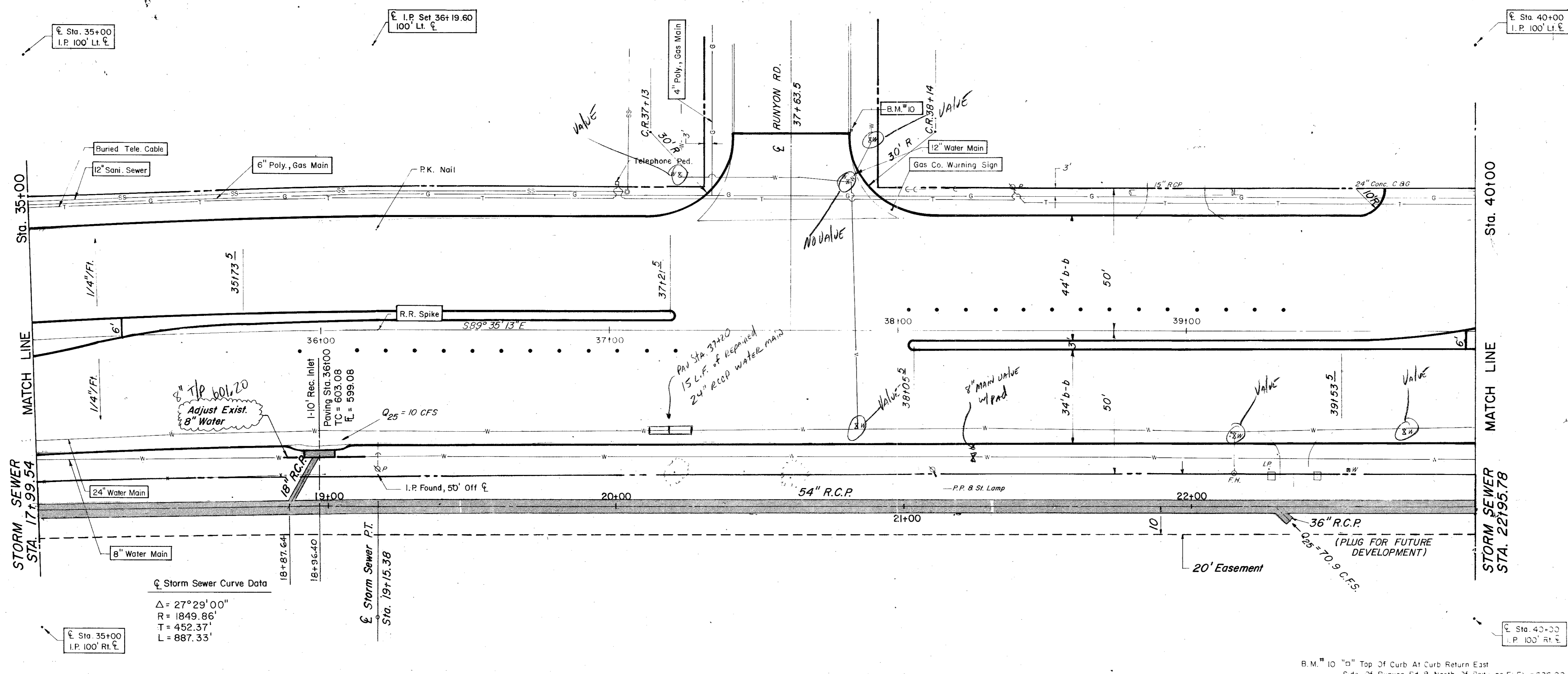
- Blank Mark
- Iron Pin
- Monument
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Power Line
- Guy Wire Anchor
- Telephone Line
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction
- Property or Right-of-Way Line (ROW)
- Easement Line
- Traffic Post 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

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



CITY OF ADDISON  
 COUNTY OF DALLAS, TEXAS  
 DEPARTMENT OF PUBLIC WORKS  
 DRAINAGE STA. 30100-35100  
 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 - HWG CHECKED - B.H. SCALE - H=1"=20' V=1"=5' SHEET 36 OF



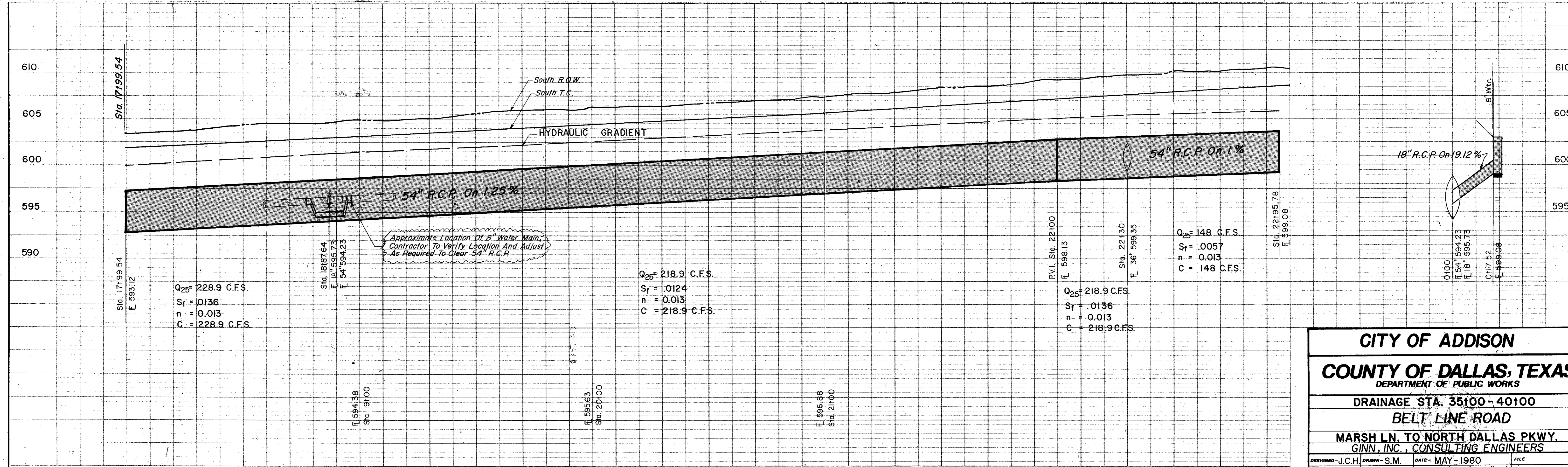
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
455.1	18" R.C.P. (11)	LF	20.0
465.9	36" R.C.P. (1)	LF	20.0
465.9	54" R.C.P. (1)	LF	20.0
470.2	10" Dia. inlet (1)	EA	1.0
479.4	8" Water Main (1)	EA	20.0

LEGEND	
□	Bench Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Cup 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.)
○	Center Line
○	Traffic Pole
○	Block Arm Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Flow Line

Storm Sewer Curve Data  
 $\Delta = 27^\circ 29' 00''$   
 $R = 1849.86'$   
 $T = 452.37'$   
 $L = 887.35'$

See Carl

B.M. 10 "a" Top of Curb At Curb Return East  
 Side Of Runyon Rd. & North Of Belt Line, ELEV. = 626.00



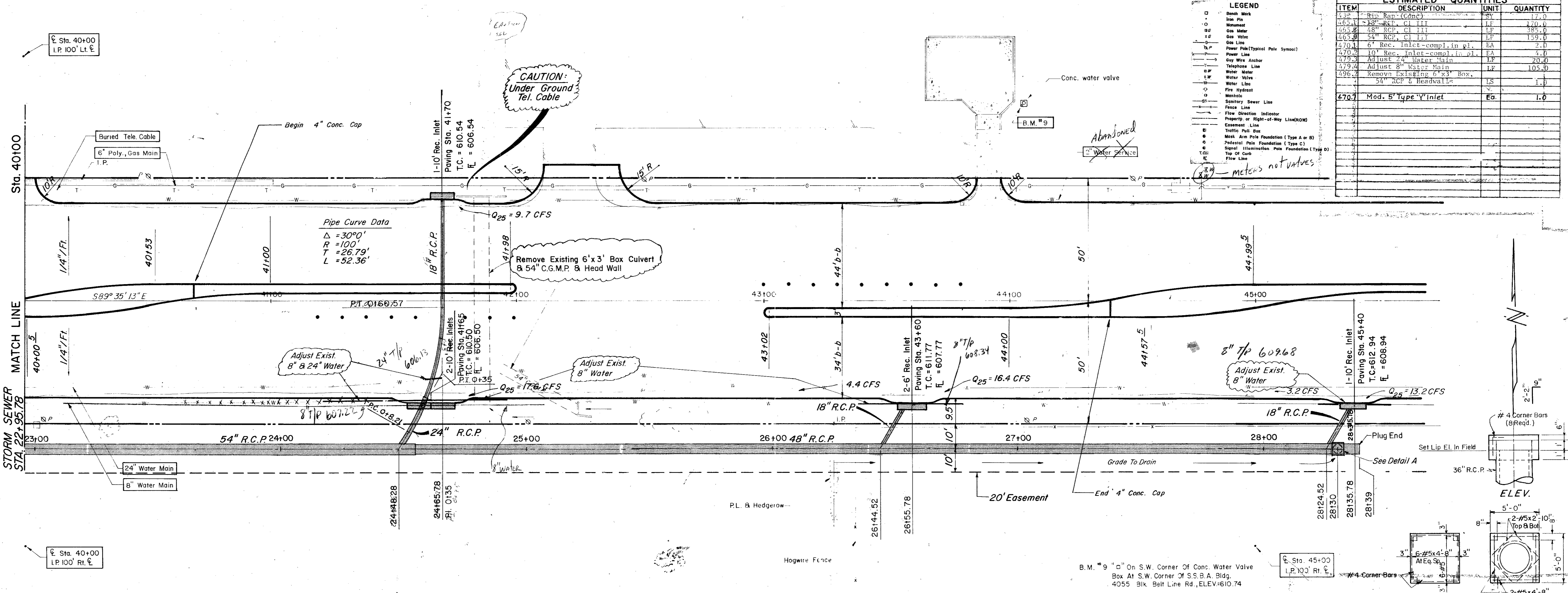
$Q_{25} = 228.9$  C.F.S.  
 $S_f = .0136$   
 $n = 0.013$   
 $C = 228.9$  C.F.S.

$Q_{25} = 218.9$  C.F.S.  
 $S_f = .0124$   
 $n = 0.013$   
 $C = 218.9$  C.F.S.

$Q_{25} = 218.9$  C.F.S.  
 $S_f = .0136$   
 $n = 0.013$   
 $C = 218.9$  C.F.S.

$Q_{25} = 148$  C.F.S.  
 $S_f = .0057$   
 $n = 0.013$   
 $C = 148$  C.F.S.

**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 DRAINAGE STA. 35+00 - 40+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 37 OF

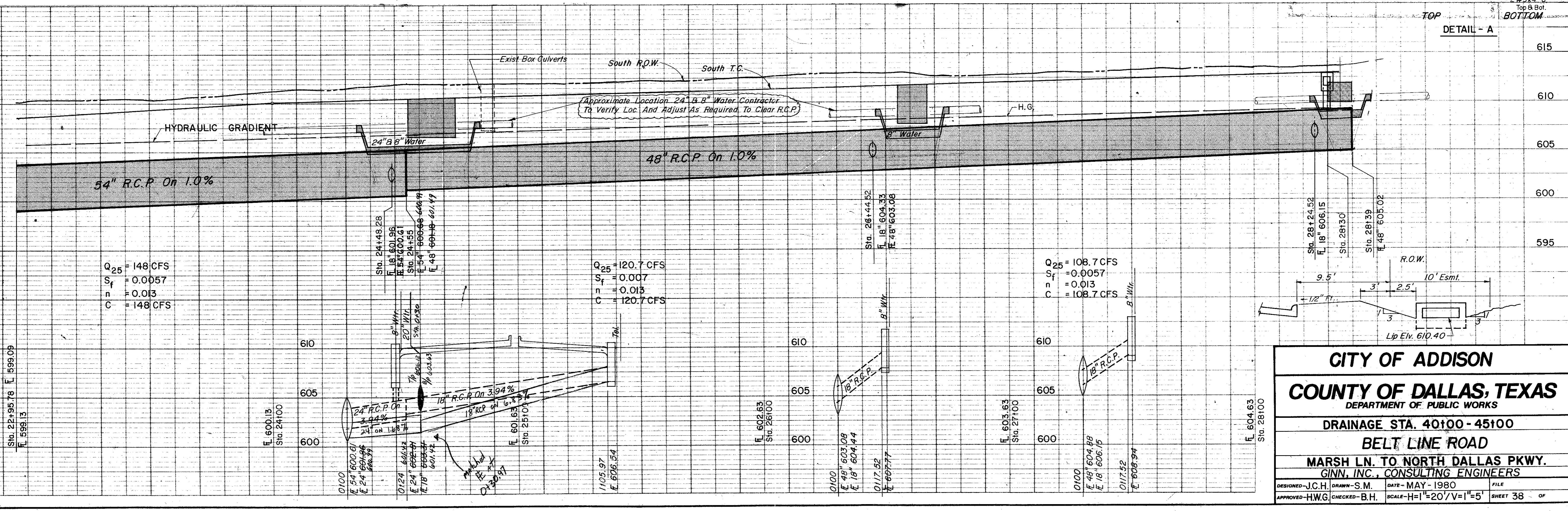


**LEGEND**

- Bench Mark
- 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
- Fire Direction Indicator
- Property or Right-of-Way Line (ROW)
- Easement Line
- Traffic Pull 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

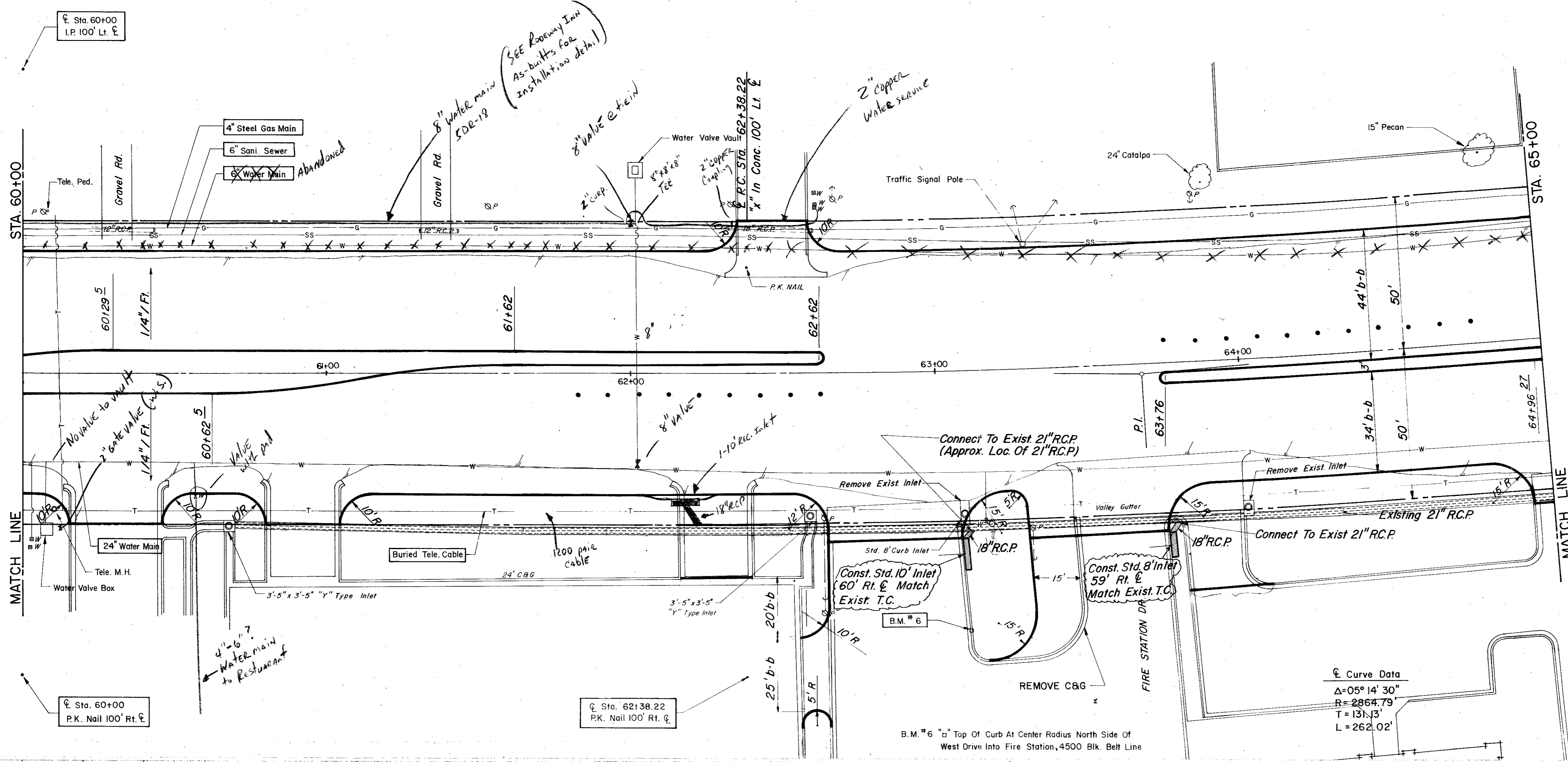
**ESTIMATED QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANTITY
43	Rip Rap (Cont)	SV	17.0
45	18" RCP, CI III	LF	170.0
46	48" RCP, CI III	LF	385.0
46.5	54" RCP, CI III	LF	159.0
47	6" Rec. Inlet-compl. in pl.	EA	2.0
47.5	10" Rec. Inlet-compl. in pl.	EA	4.0
47.9	Adjust 8" Water Main	LF	20.0
479.4	Adjust 8" Water Main	LF	105.0
496.2	Remove Existing 6'x3' Box	LF	1.0
496.2	54" RCP & Headwall	LF	1.0
470.7	Mod. 5' Type V Inlet	EA	1.0



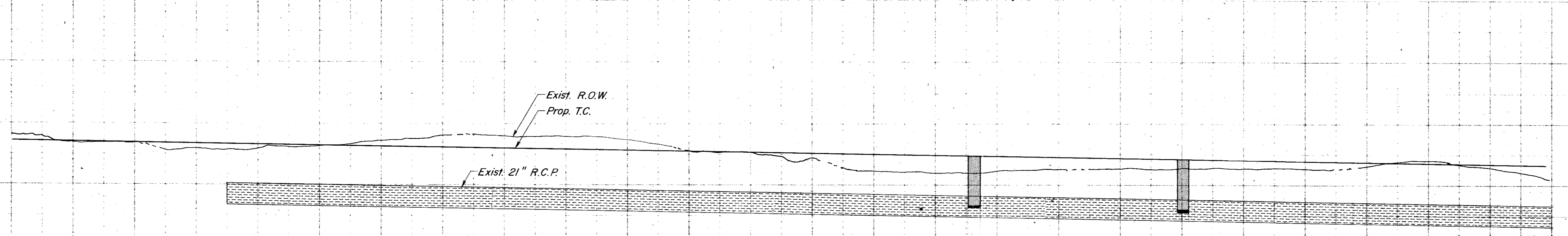
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**DRAINAGE STA. 40+00 - 45+00**  
**BELT LINE ROAD**  
**MARSH LN. TO NORTH DALLAS PKWY.**  
**GINN, INC., CONSULTING ENGINEERS**

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 38 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
470.3	10\"/>		

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 (R.O.W.)
	Easement Line
	Traffic Pole Box
	Mass Arm Pole Foundation (Type A or B)
	Pedestal Pole Foundation (Type C)
	Signal Illumination Pole Foundation (Type D)
	Top of Curb
	Fire Line



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

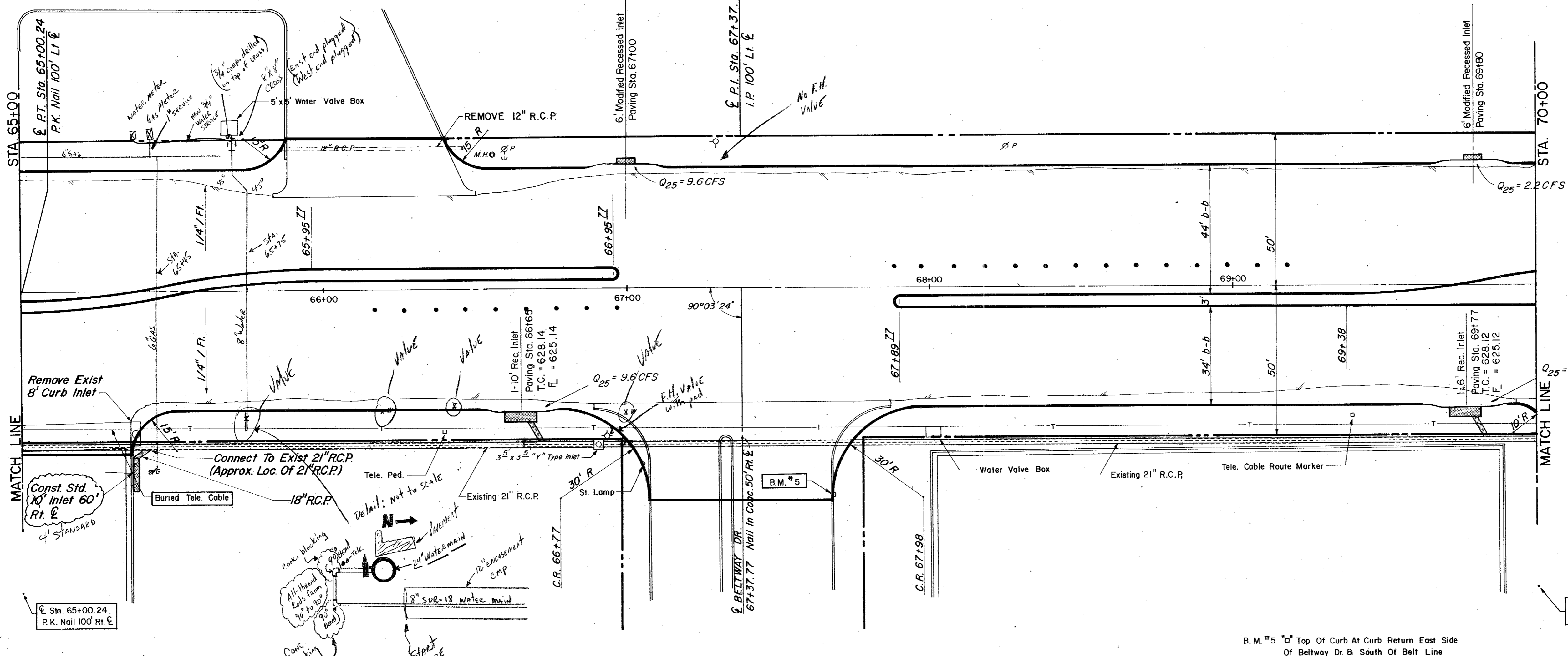
DRAINAGE STA. 60100 - 65100  
**BELT LINE ROAD**  
 MARSH LN. TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - J.C.H. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - HWG. CHECKED - B.H. SCALE - H=1"=20' / V=1"=5' SHEET 39 OF

Sta. 70+00  
I.P. 100' Lt. E

ITEM	DESCRIPTION	UNIT	QUANTITY
463.1	18" Rec. C.I. 111	EA	
470.2	10' Rec. Inlet-compl. in pl.	EA	
470.4	10' Standard C.I.	EA	
470.5	6" Modified Rec. C.I.	EA	

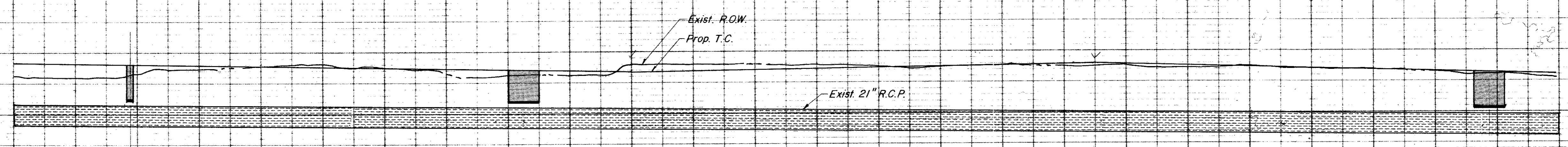
LEGEND	
$\square$	Touch Mark
$\bullet$	Iron Pin
$\circ$	Moment
$\oslash$	Gas Meter
$\oslash$	Gas Valve
$\oslash$	Gas Line
$\oslash$	Power Pole (Typical Pole Symbol)
$\oslash$	Guy Wire Anchor
$\oslash$	Telephone Line
$\oslash$	Water Meter
$\oslash$	Water Valve
$\oslash$	Water Line
$\oslash$	Fire Hydrant
$\oslash$	Manhole
$\oslash$	Sanitary Sewer Line
$\oslash$	Fence Line
$\oslash$	Flow Direction Indicator
$\oslash$	Property or Right-of-Way Line (ROW)
$\oslash$	Escement Line
$\oslash$	Traffic Pull Box
$\oslash$	Mask Arm Pole Foundation (Type A or B)
$\oslash$	Pedestal Pole Foundation (Type C)
$\oslash$	Signal Illumination Pole Foundation (Type D)
$\oslash$	Top Of Curb
$\oslash$	Flow Line



Sta. 65+00.24  
P.K. Nail 100' Rt. E

Sta. 70+00  
P.K. Nail 100' Rt. E

B.M. #5  
Top of Curb At Curb Return East Side  
Of Beltway Dr & South Of Belt Line

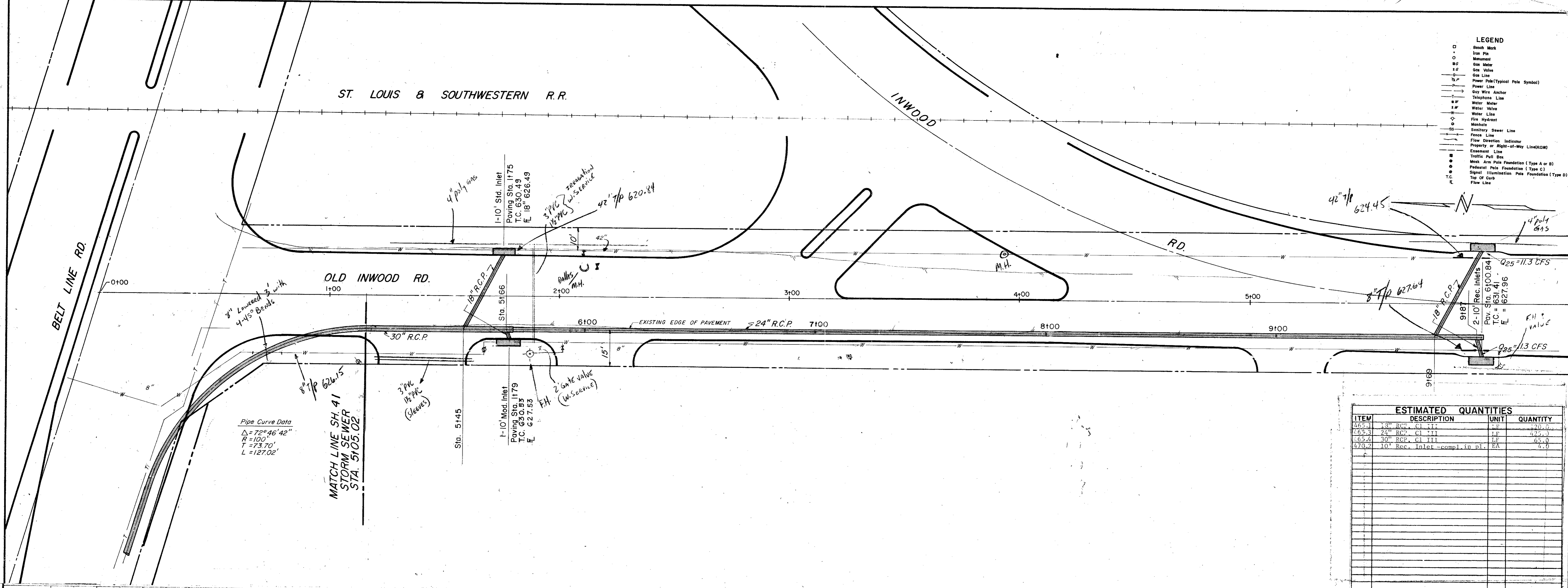


**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
 DRAINAGE STA. 65100 - 70100  
**BELT LINE ROAD**  
**MARSH LN. TO NORTH DALLAS PKWY.**  
**GINN, INC., CONSULTING ENGINEERS**

DESIGNED - J.C.H. DRAWN - S.M. DATE - MAY - 1980 FILE  
 APPROVED - HWG CHECKED - B.H. SCALE - H=1"=20'/V=1"=5' SHEET 40 OF

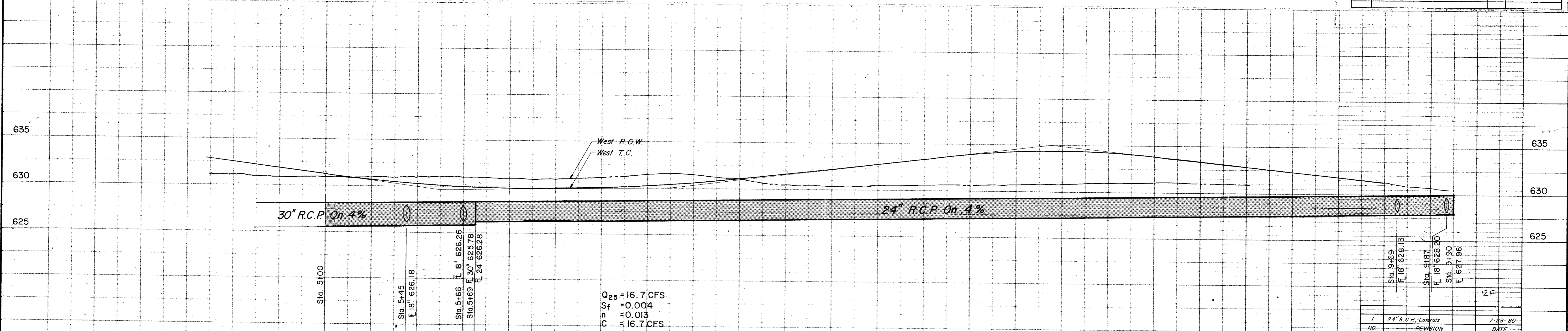
**LEGEND**

□	Spot Mark
○	Iron Pin
○	Monument
⊕	Gas Meter
⊕	Gas Valve
⊕	Gas Line
⊕	Power Pole (Typical Pole Symbol)
⊕	Ray Wire Anchor
⊕	Telephone Line
⊕	Water Meter
⊕	Water Valve
⊕	Water Line
⊕	Fire Hydrant
⊕	Manhole
⊕	Sanitary Sewer Line
⊕	Kench Line
→	Flow Direction Indicator
→	Property or Right-of-Way Line (ROW)
→	Easement Line
→	Traffic Pull Box
→	Manhole Pole Foundation (Type A or B)
→	Federal Pole Foundation (Type C)
→	Signal Foundation Pole Foundation (Type D)
→	Top of Curb
→	Flow Line

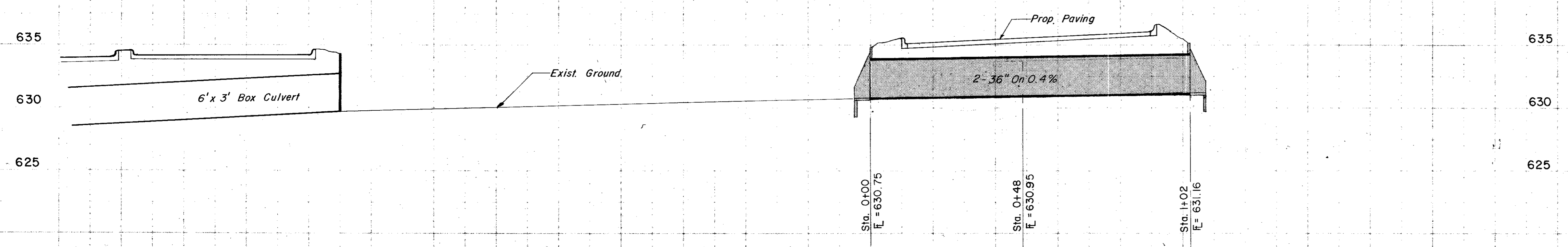
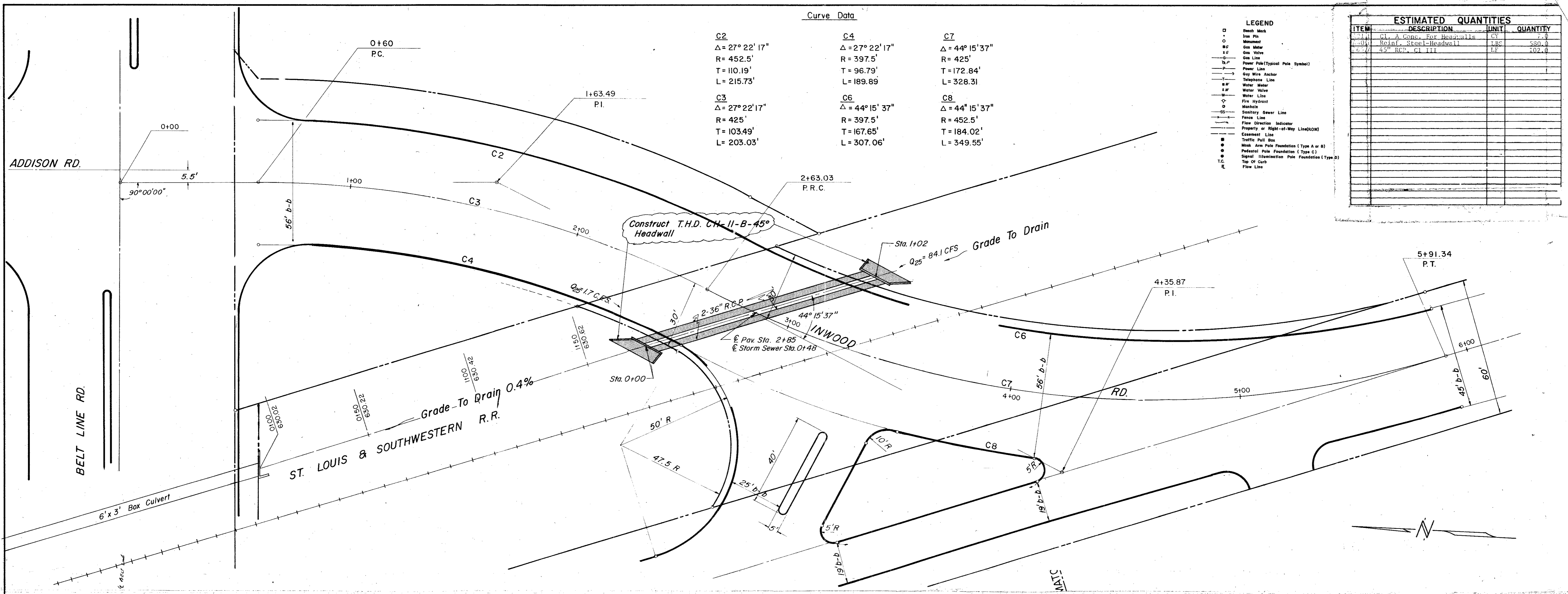


*Pipe Curve Data*  
 $\Delta = 72^\circ 46' 42''$   
 $R = 100'$   
 $T = 73.70'$   
 $L = 127.02'$

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
465.1	18" R.C.P. - CI III	LF	225.0
467.3	24" R.C.P. - CI III	LF	425.0
465.4	30" R.C.P. - CI III	LF	65.0
474.2	10" Rec. Inlet - compl. in pl.	EA	4.0



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**DRAINAGE INWOOD RD. (OLD)**  
**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 - S.M. SCALE - H=1"=20' V=1"=5' SHEET 43 OF

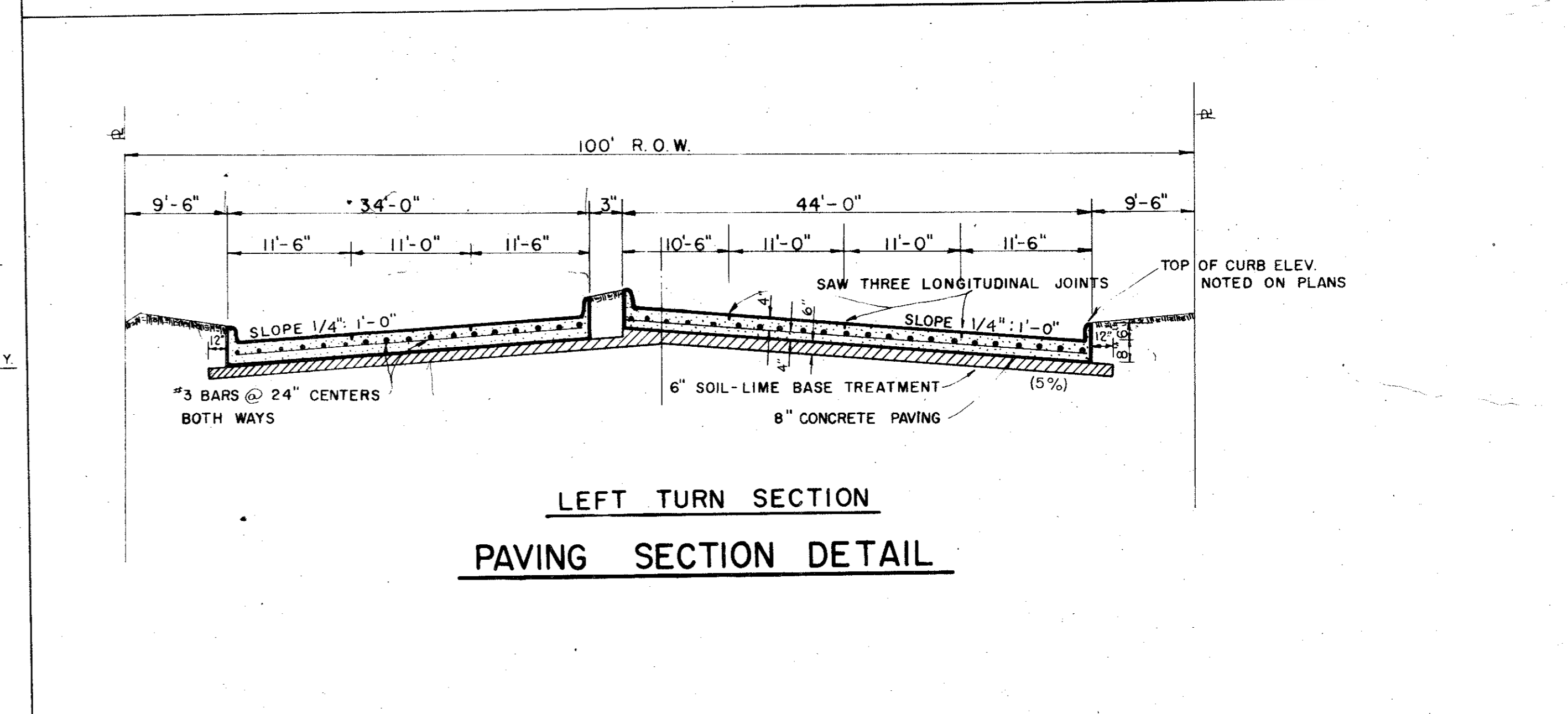
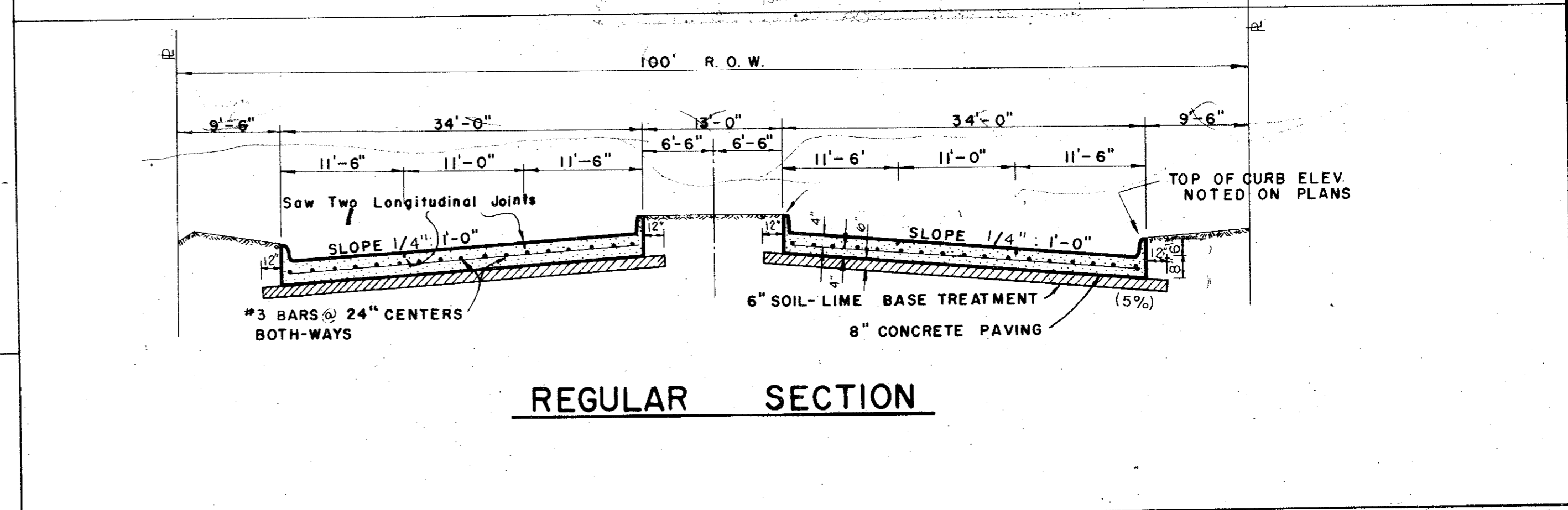
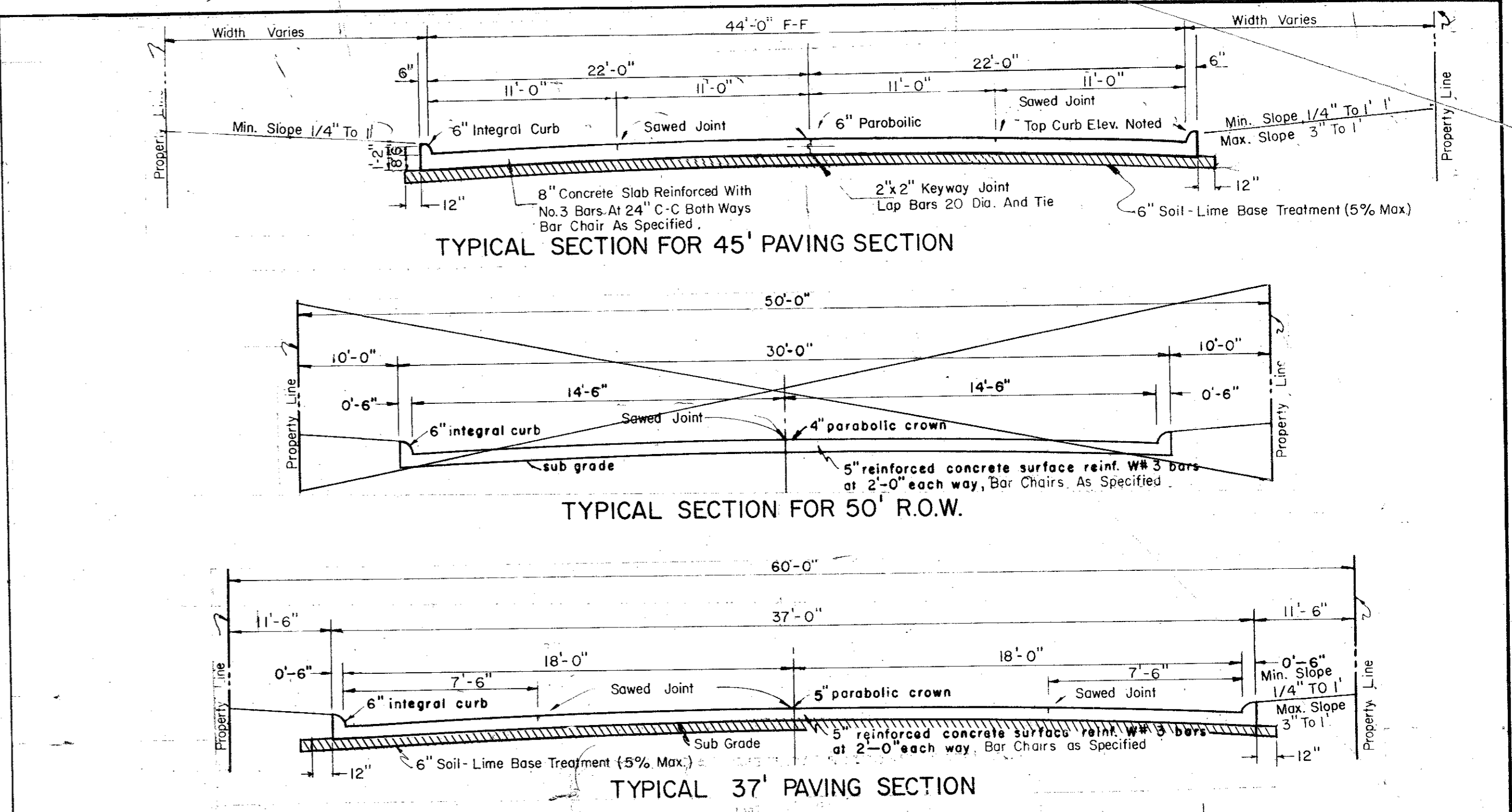
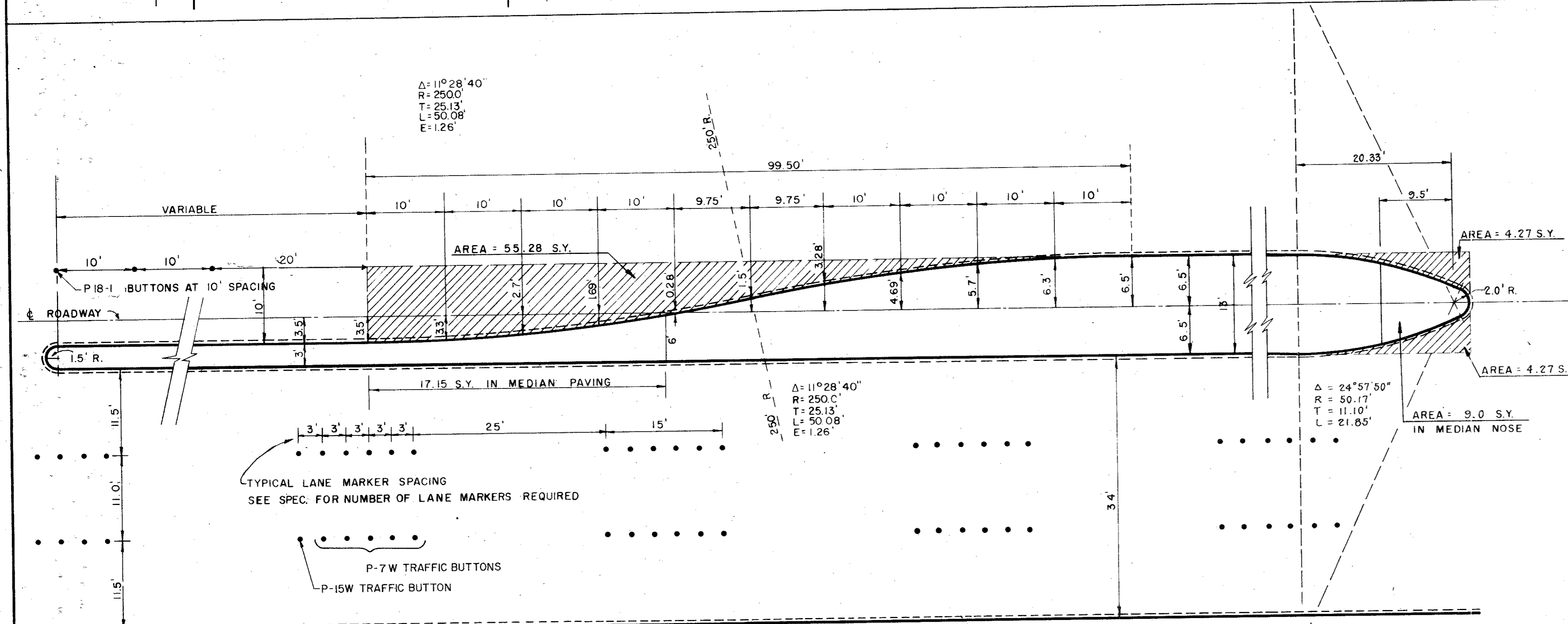
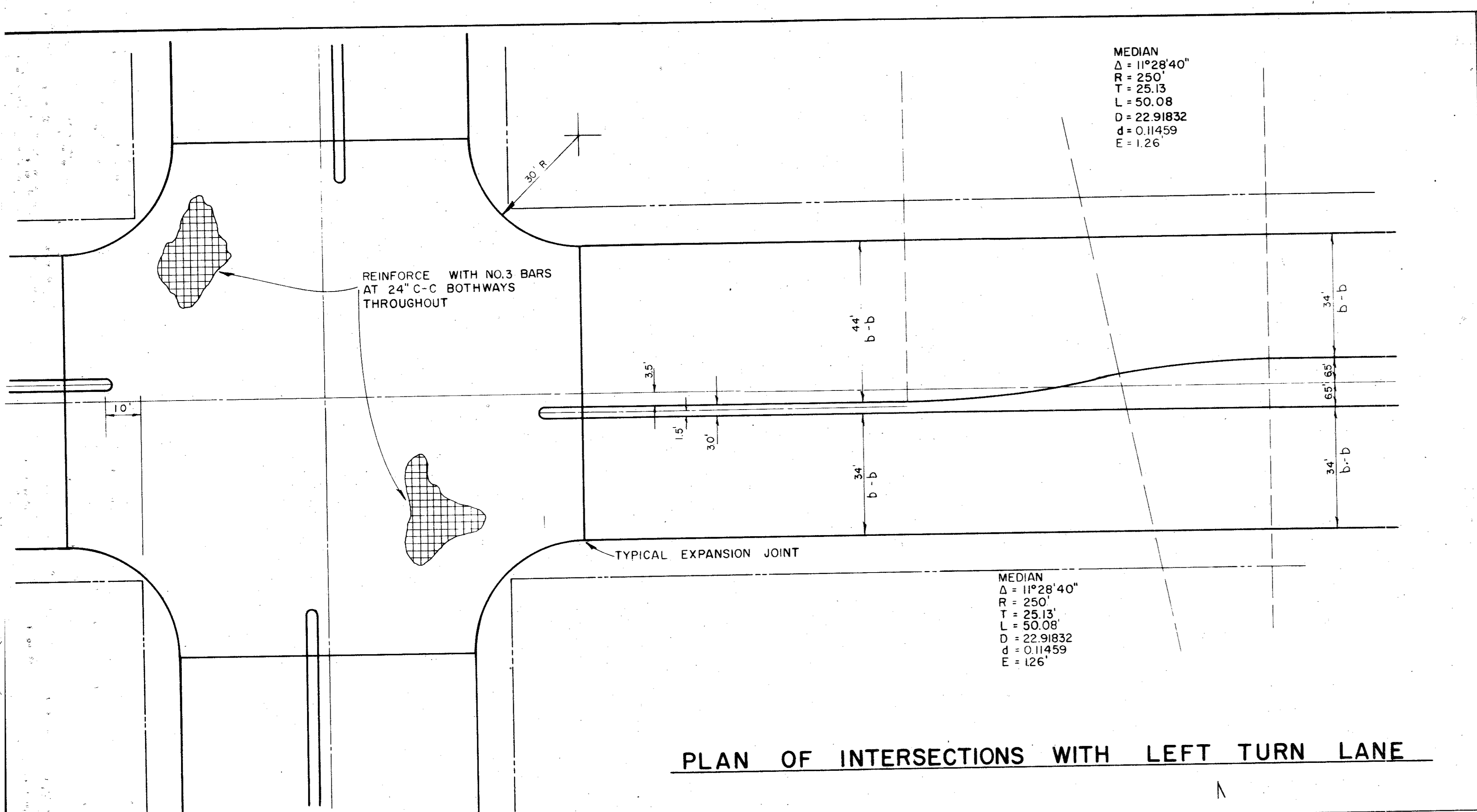


1	Revised Str. Swr.	7-28-80
No.	Revisions	Date

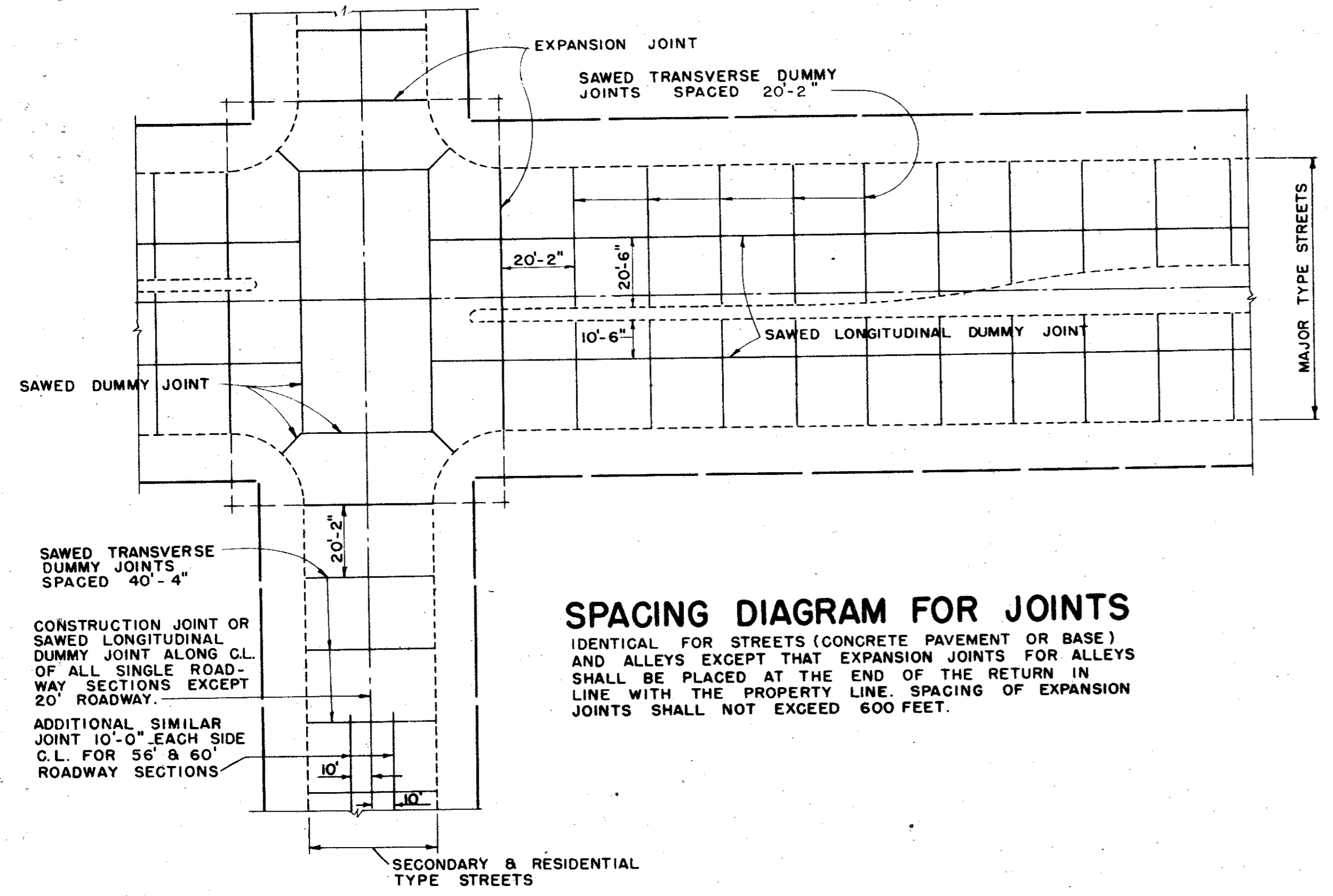
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**DRAINAGE INWOOD RD. (NEW)**  
**BELT LINE ROAD**  
 MARSH LN. TO NORTH DALLAS PKWY.  
 GINN, INC., CONSULTING ENGINEERS

DESIGNED-J.C.H. DRAWN-S.M. DATE-MAY-1980 FILE  
 APPROVED-HWG. CHECKED-S.M. SCALE-H=1"=20'/V=1"=5' SHEET 4.4 OF

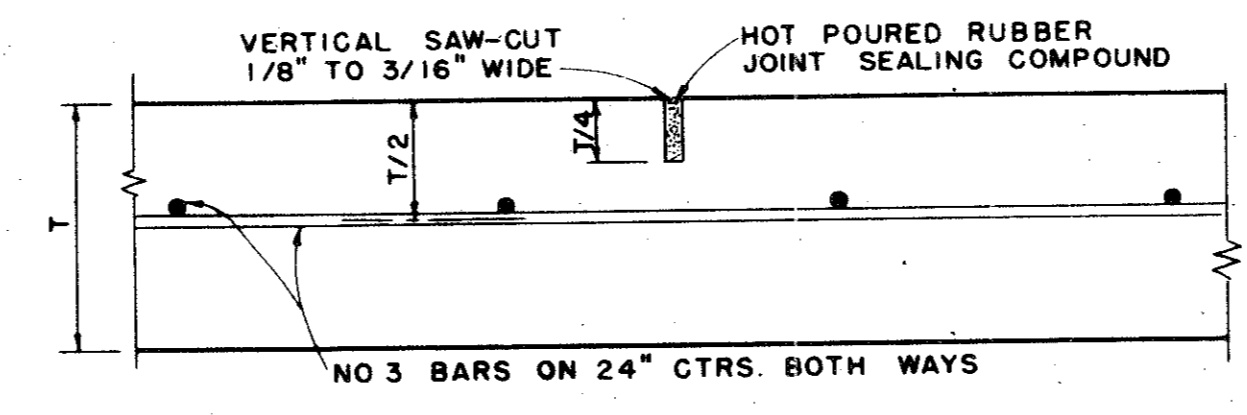




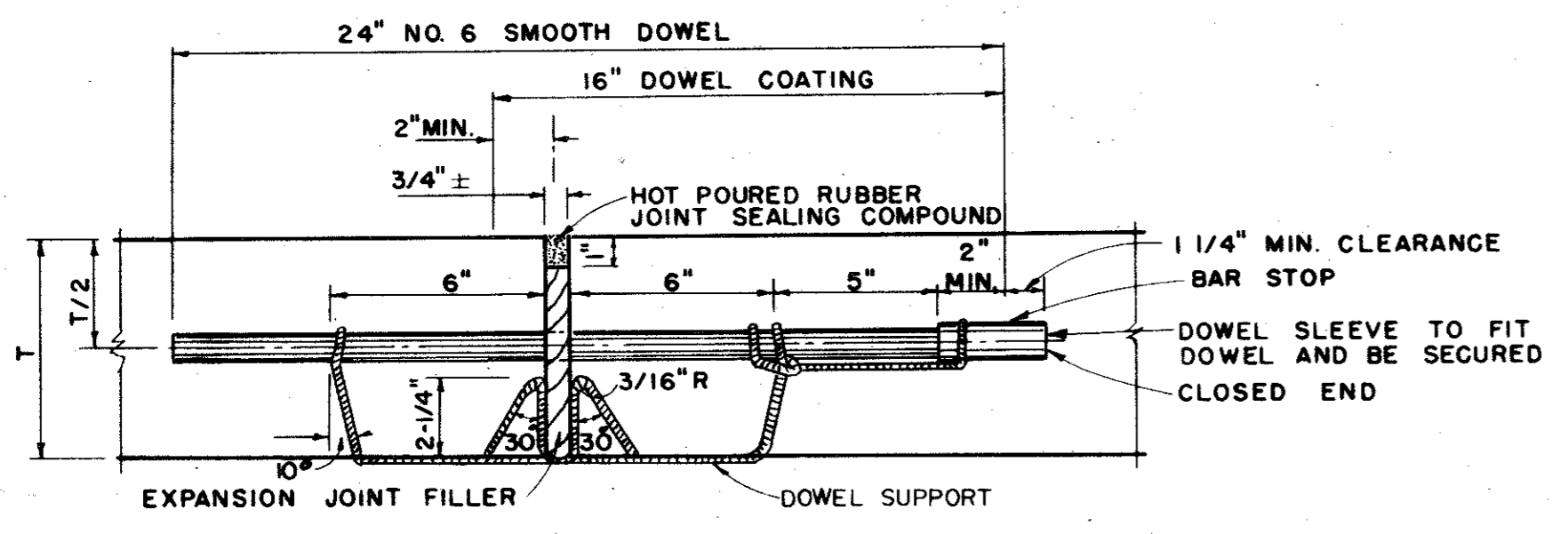
CITY OF ADDISON			
COUNTY OF DALLAS, TEXAS			
DEPARTMENT OF PUBLIC WORKS			
PAVING DETAILS A			
BELT LINE ROAD			
PAVING DETAILS			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED: H.B.J.	DRAWN: S.M.	DATE: MAY - 1980	FILE
APPROVED: H.W.G.	CHECKED: B.H.	SCALE: NONE	SHEET 45



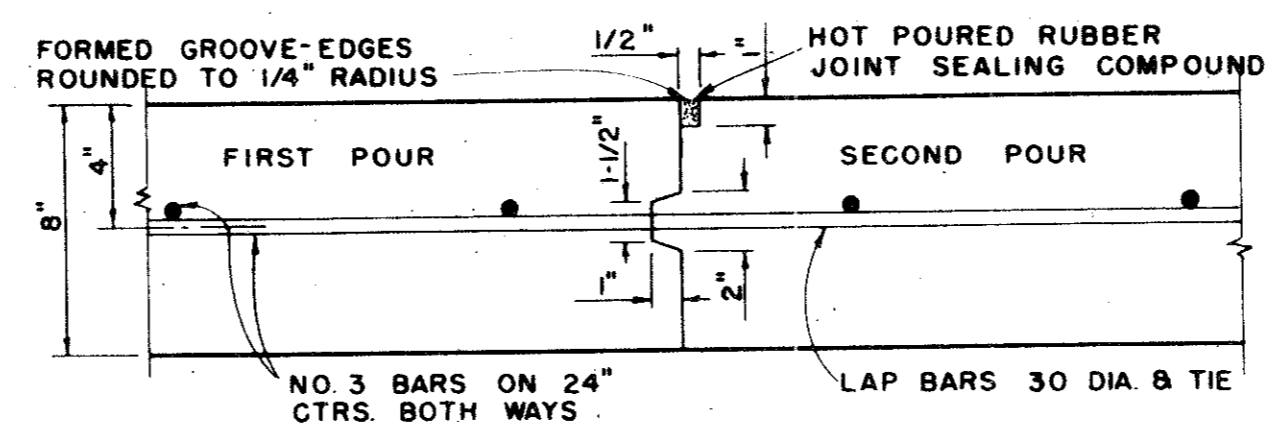
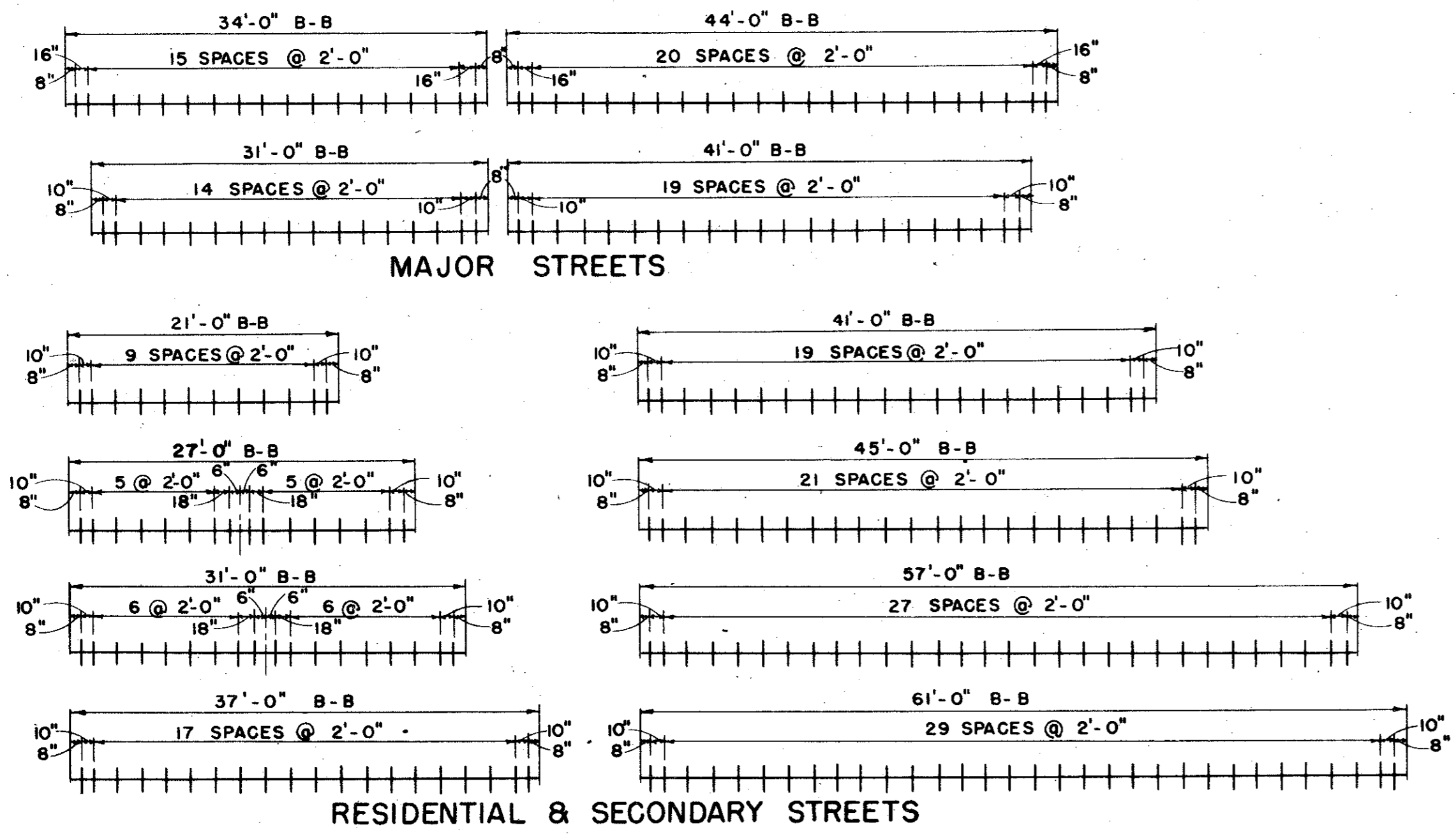
**SPACING DIAGRAM FOR JOINTS**  
IDENTICAL FOR STREETS (CONCRETE PAVEMENT OR BASE) AND ALLEYS EXCEPT THAT EXPANSION JOINTS FOR ALLEYS SHALL BE PLACED AT THE END OF THE RETURN IN LINE WITH THE PROPERTY LINE. SPACING OF EXPANSION JOINTS SHALL NOT EXCEED 600 FEET.



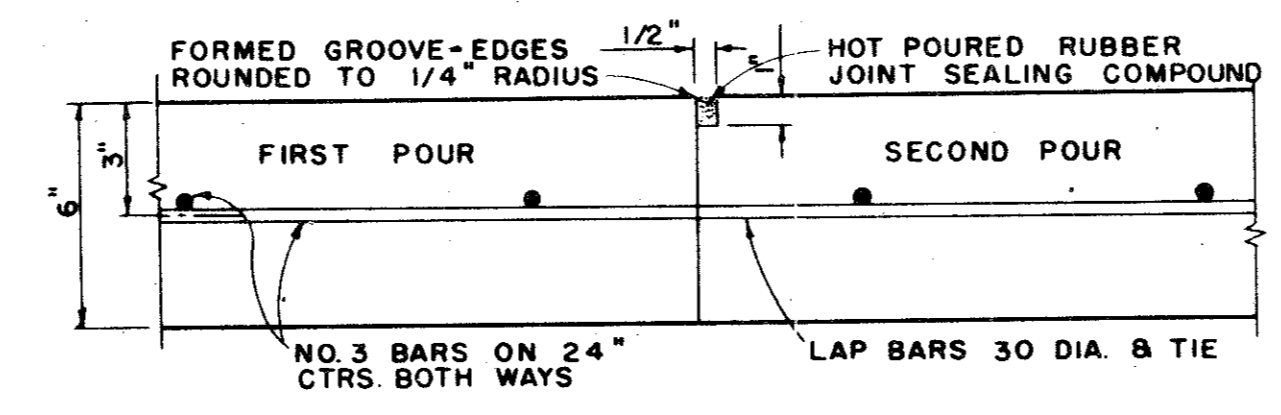
**SAWED DUMMY JOINT**  
IDENTICAL FOR STREETS AND ALLEYS EXCEPT ALLEY LONGITUDINAL REINFORCEMENT BARS



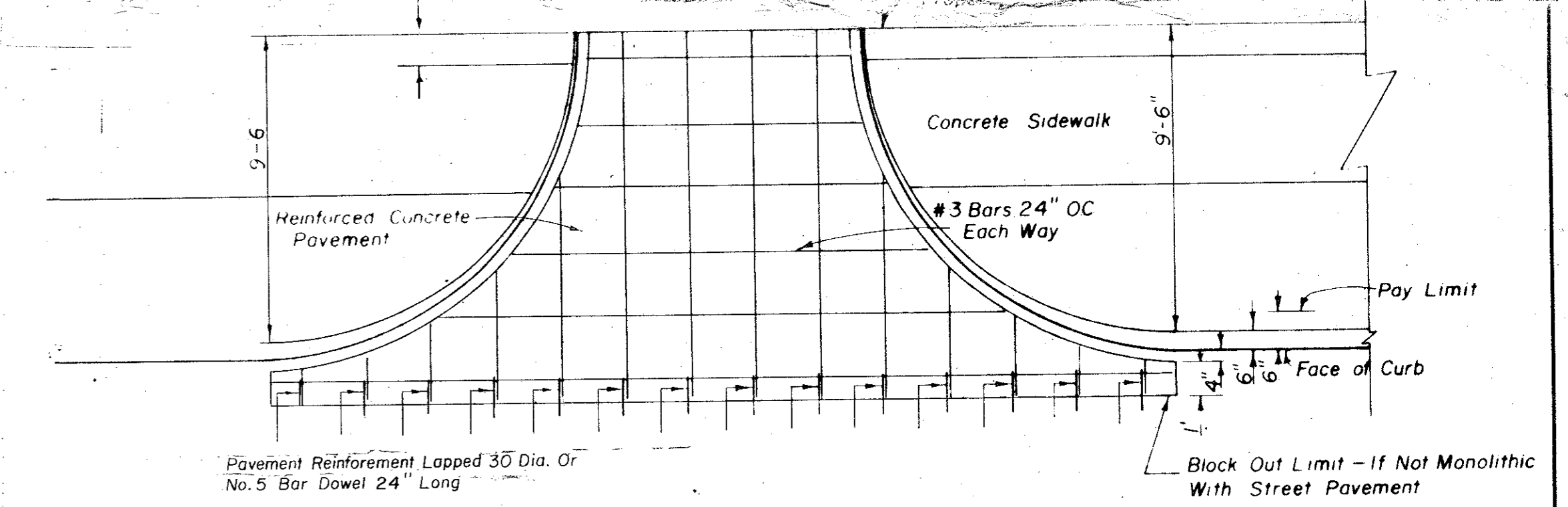
**TRANSVERSE EXPANSION JOINT**  
IDENTICAL FOR STREETS & ALLEYS



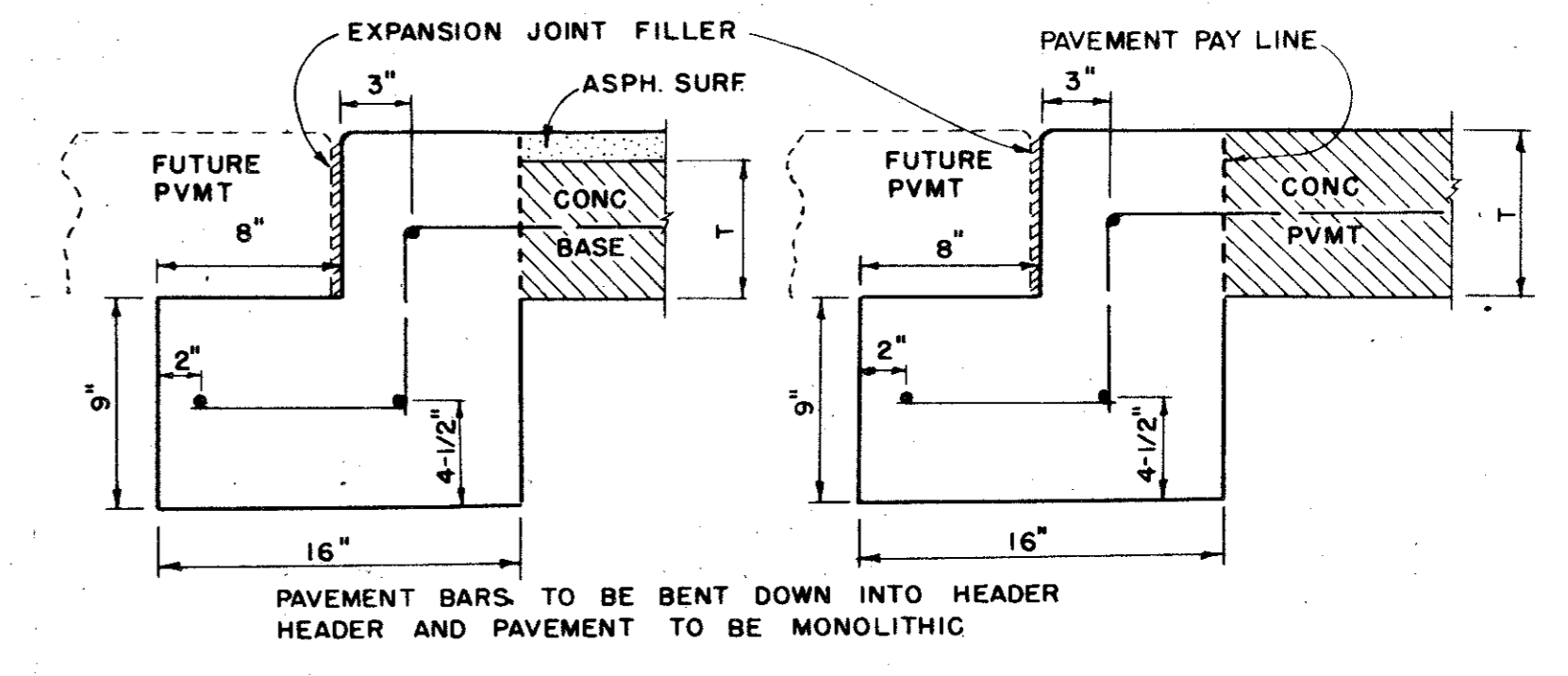
**CONSTRUCTION JOINT**  
FOR 8" THICKNESS PAVEMENT OR BASE



**CONSTRUCTION JOINT**  
FOR 6" THICKNESS PAVEMENT OR BASE  
IDENTICAL FOR STREETS AND ALLEYS EXCEPT ALLEY LONGITUDINAL REINFORCEMENT BARS.



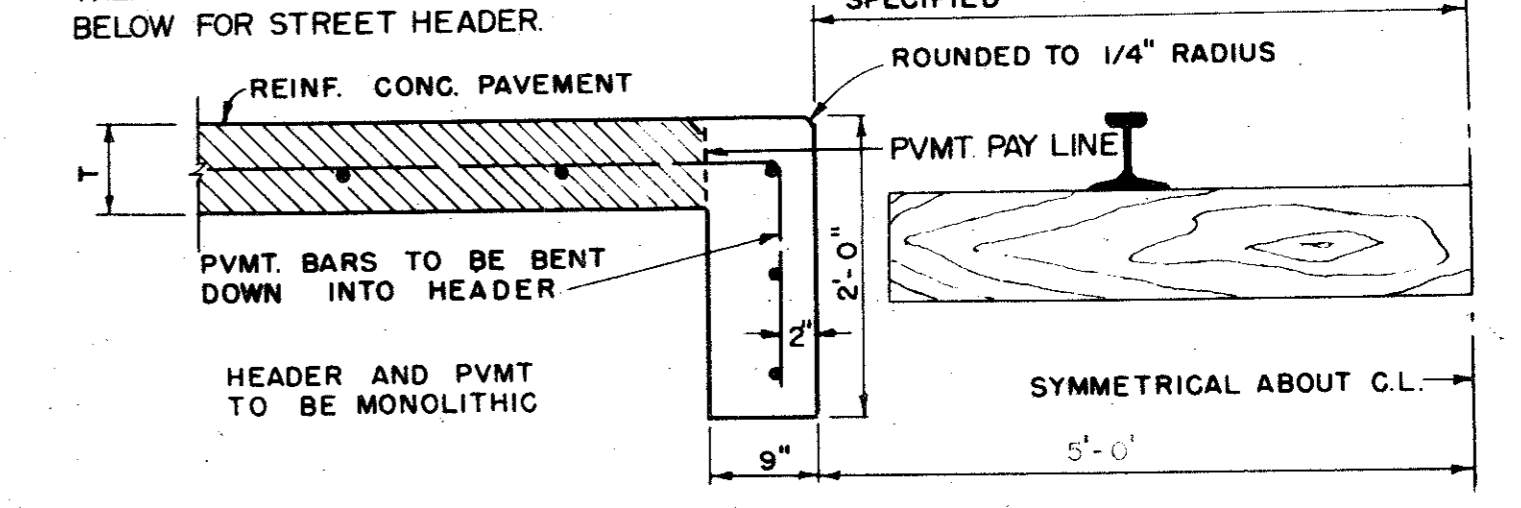
**DRIVEWAY PAVING DETAILS**



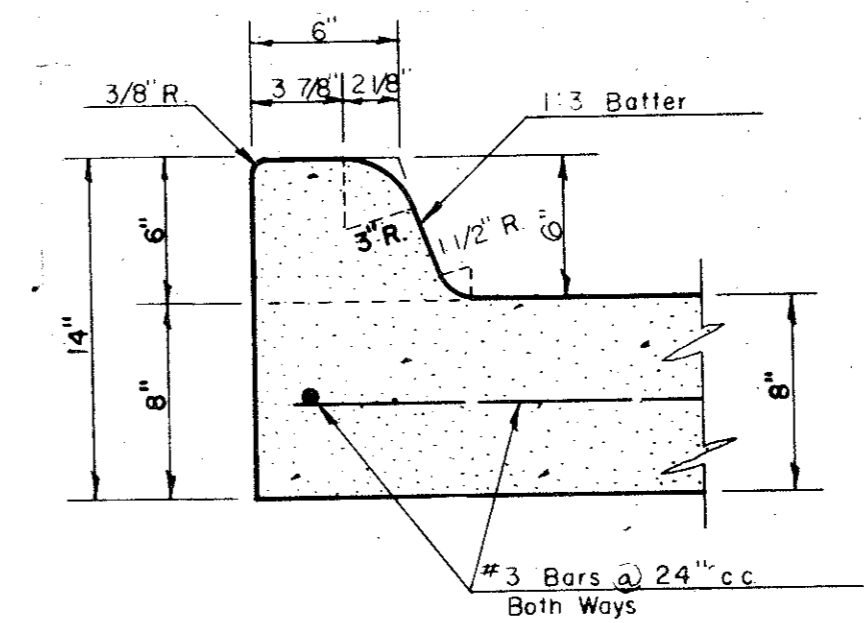
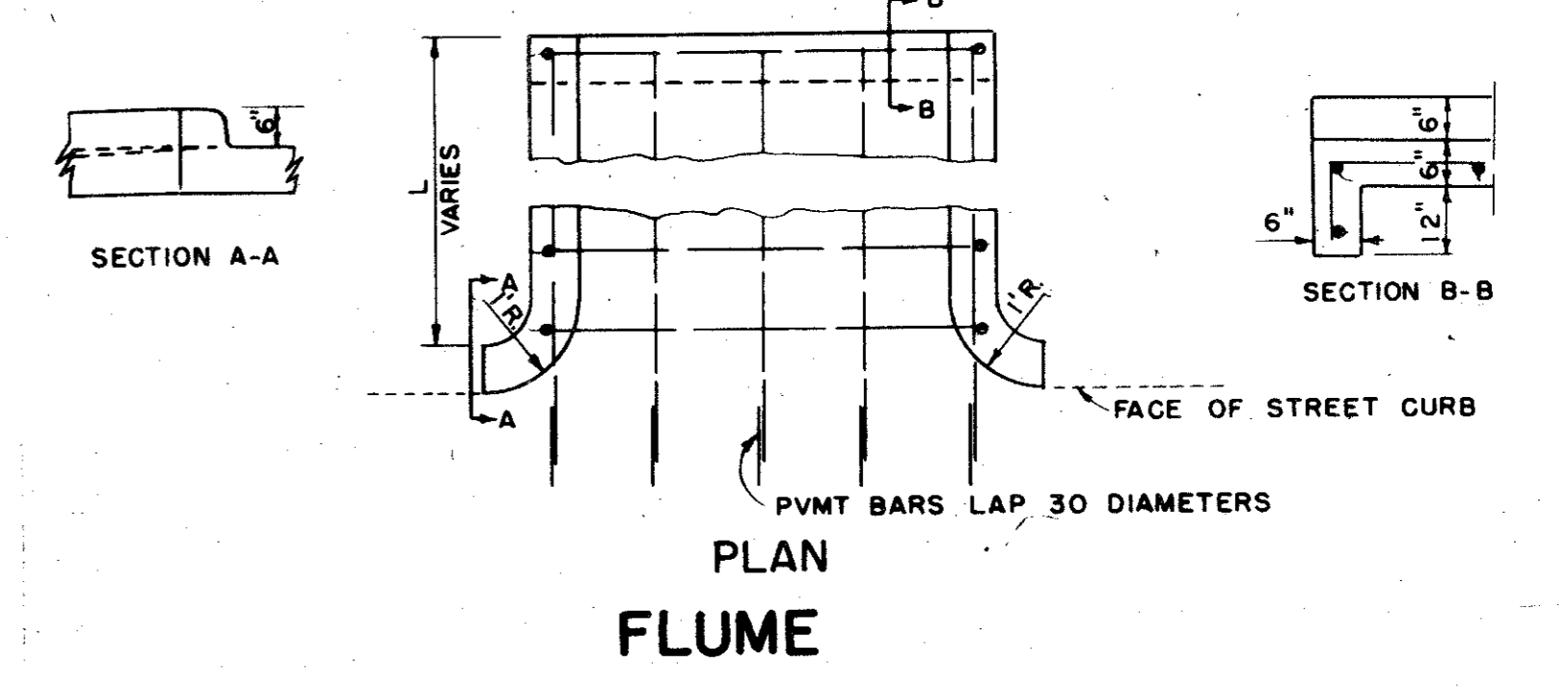
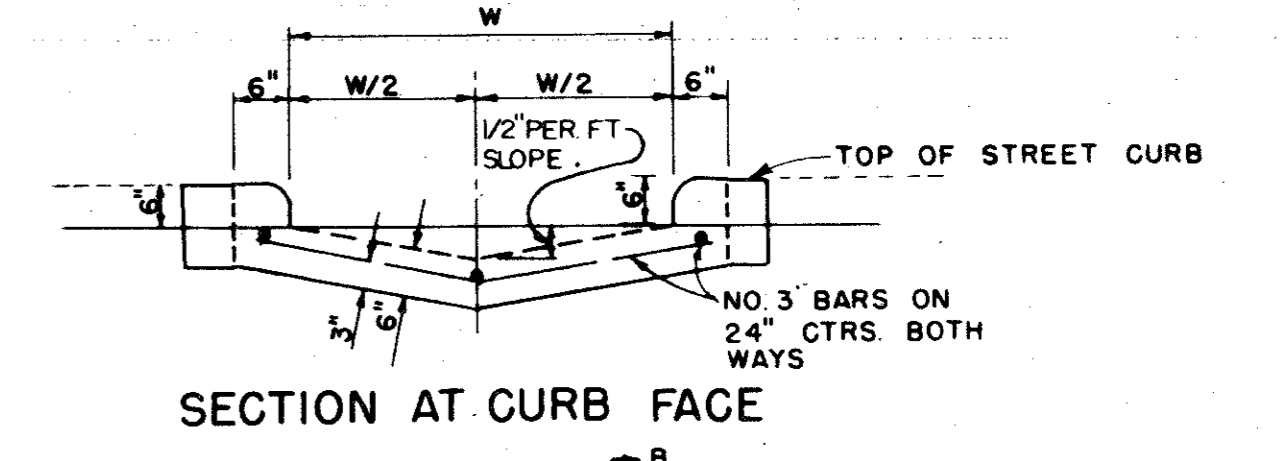
**STREET HEADER**

FOR ASPHALT PAVEMENT ON CONC. BASE, TREAT THE SURFACE AS DETAILED BELOW FOR STREET HEADER.

ALL WORK BETWEEN HEADERS TO BE DONE BY OTHERS UNLESS OTHERWISE SPECIFIED



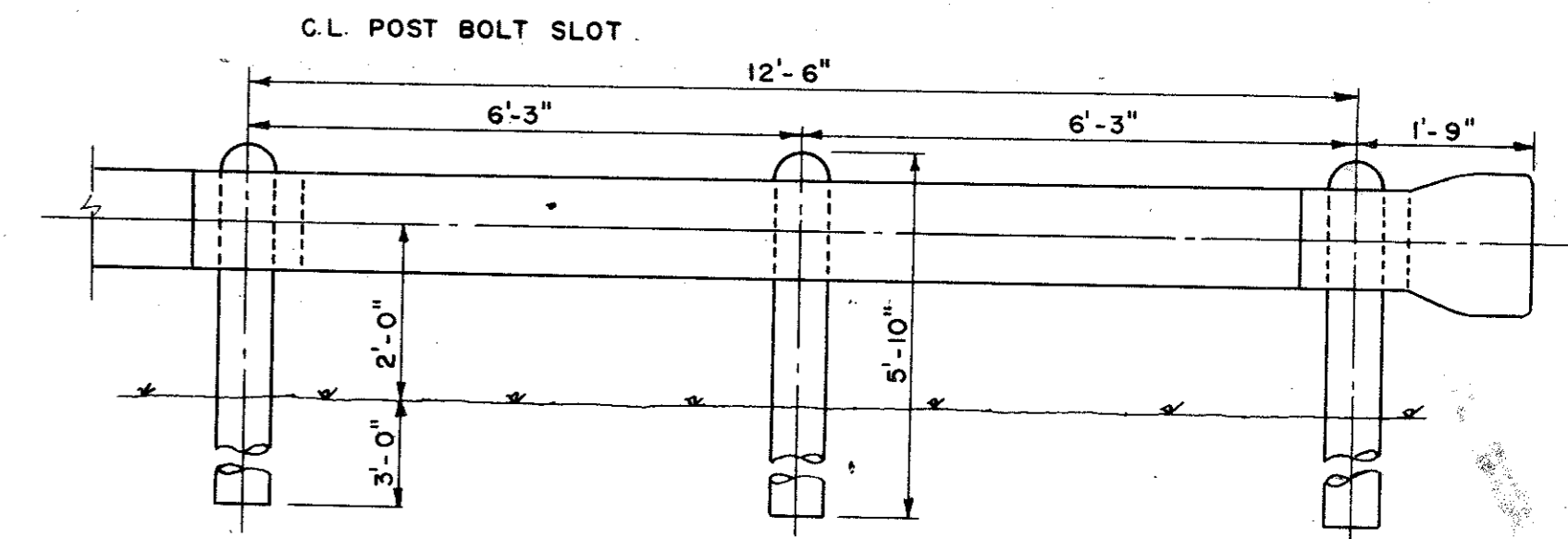
**RAILROAD HEADER**



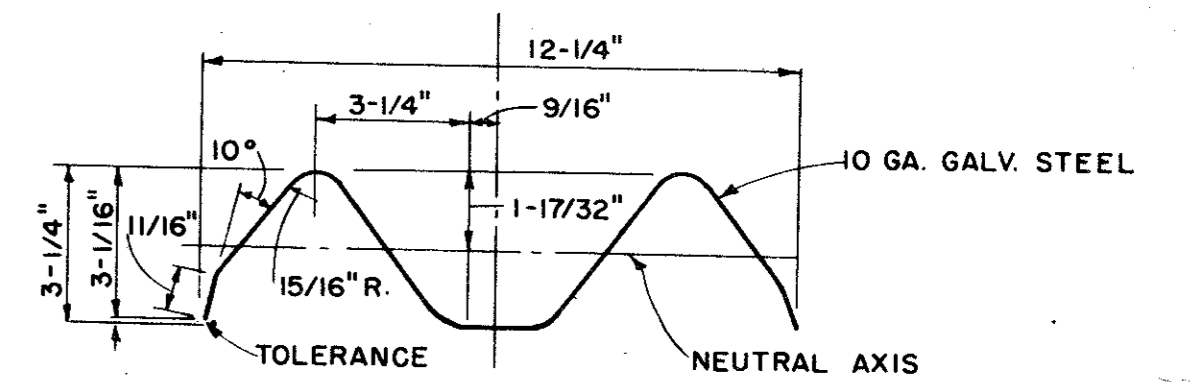
**CITY OF ADDISON**  
**COUNTY OF DALLAS, TX**  
DEPARTMENT OF PUBLIC WORKS  
**PAVING DETAILS B**

GINN, INC., CONSULTING ENGINEER

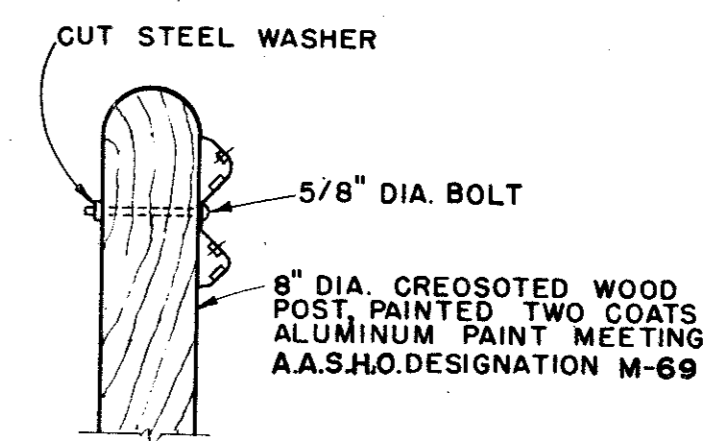
DESIGNED: H.B.J. DRAWN: S.M. DATE: MAY - 1980  
APPROVED: HWG. CHECKED: B.H. SCALE: NONE



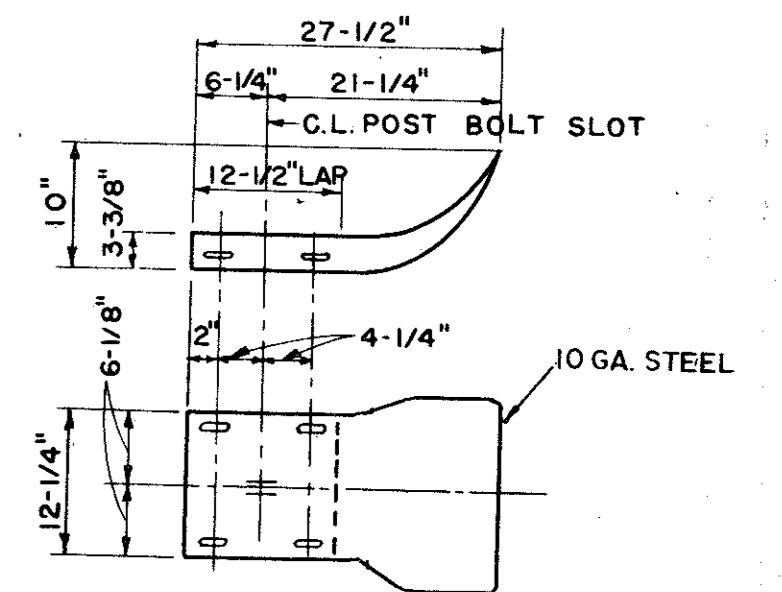
INSTALLATION



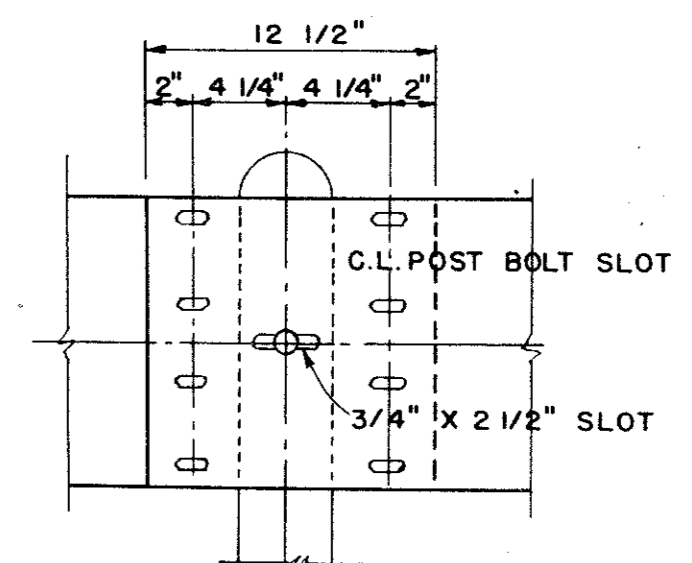
SECTION THROUGH RAIL ELEMENT



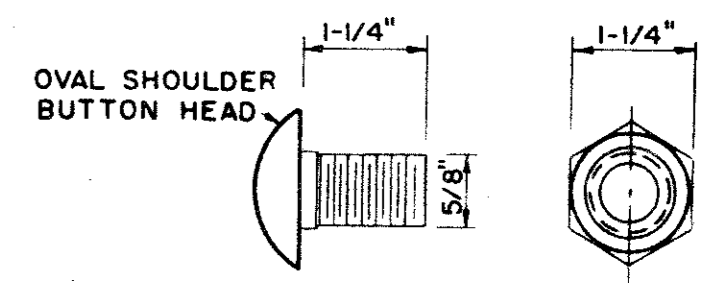
ARRANGEMENT AT POSTS



TERMINAL SECTION



RAIL SPLICE

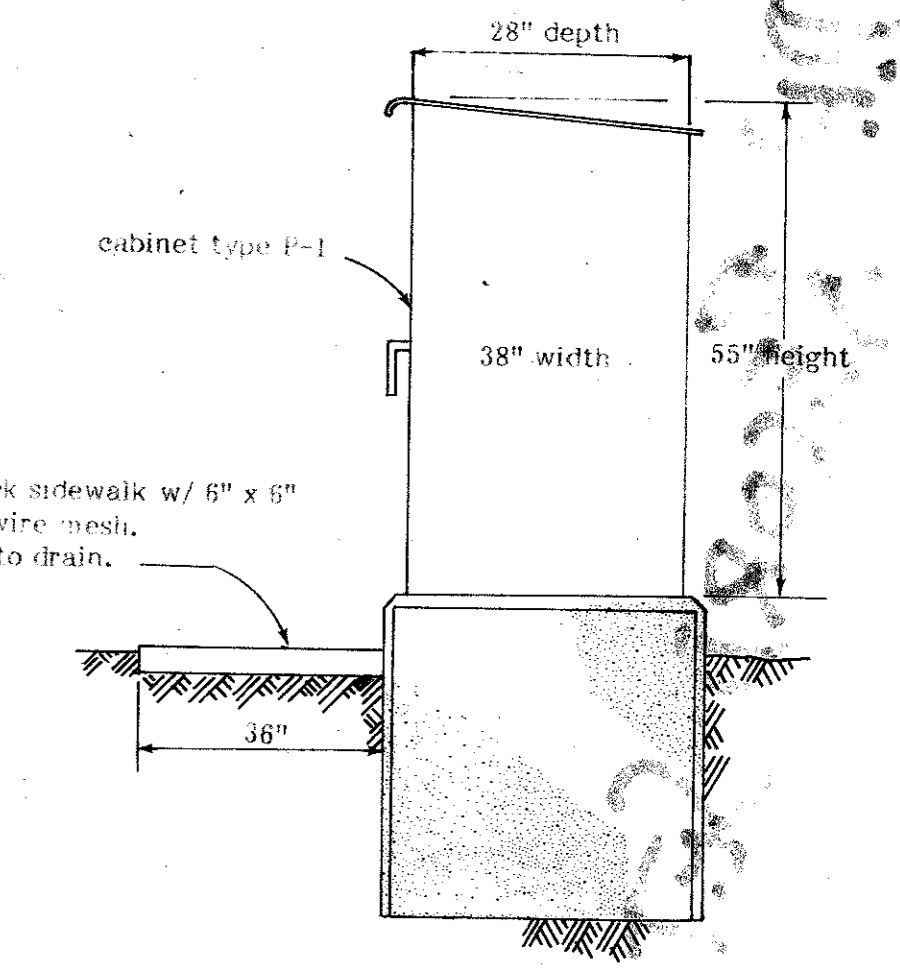
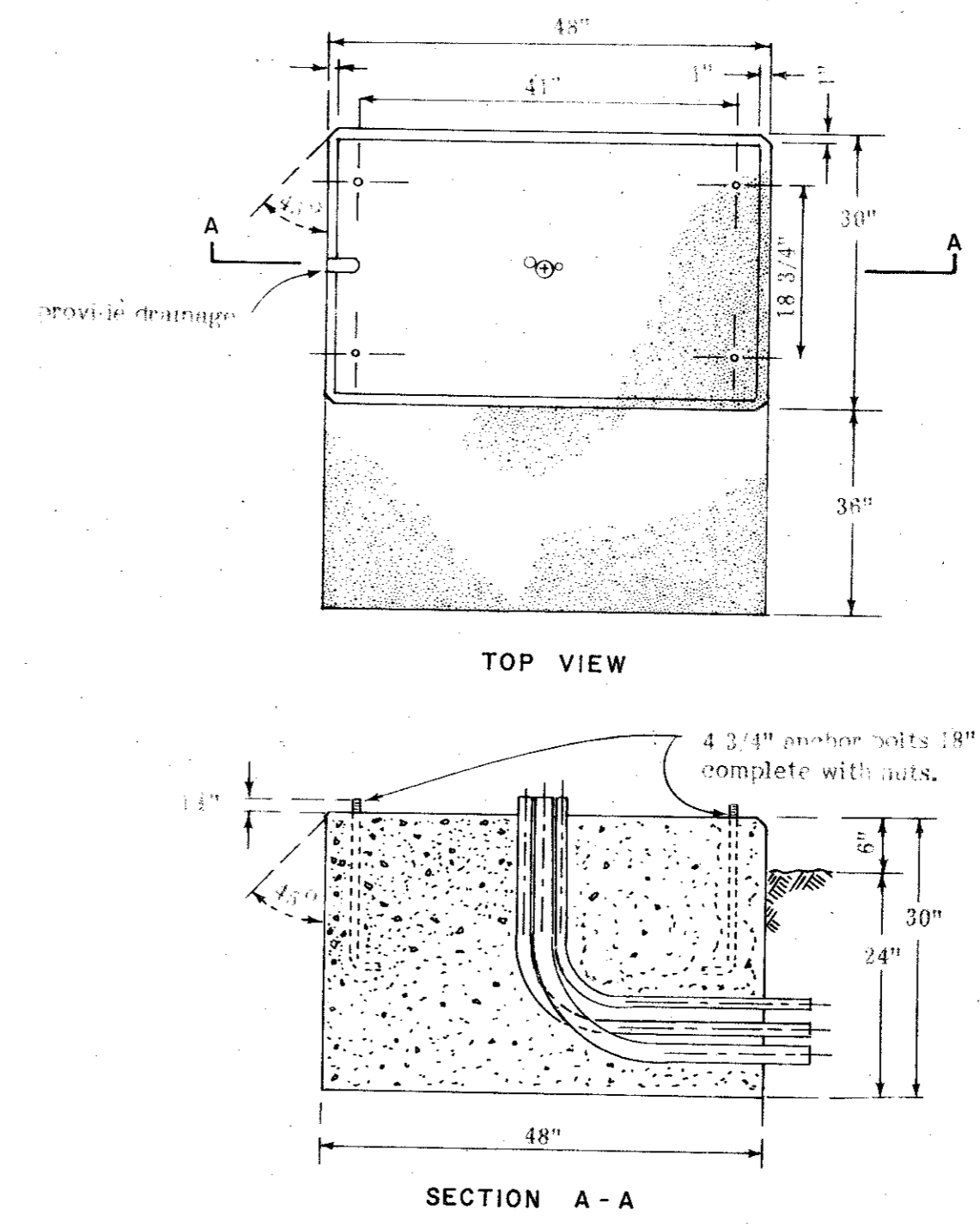
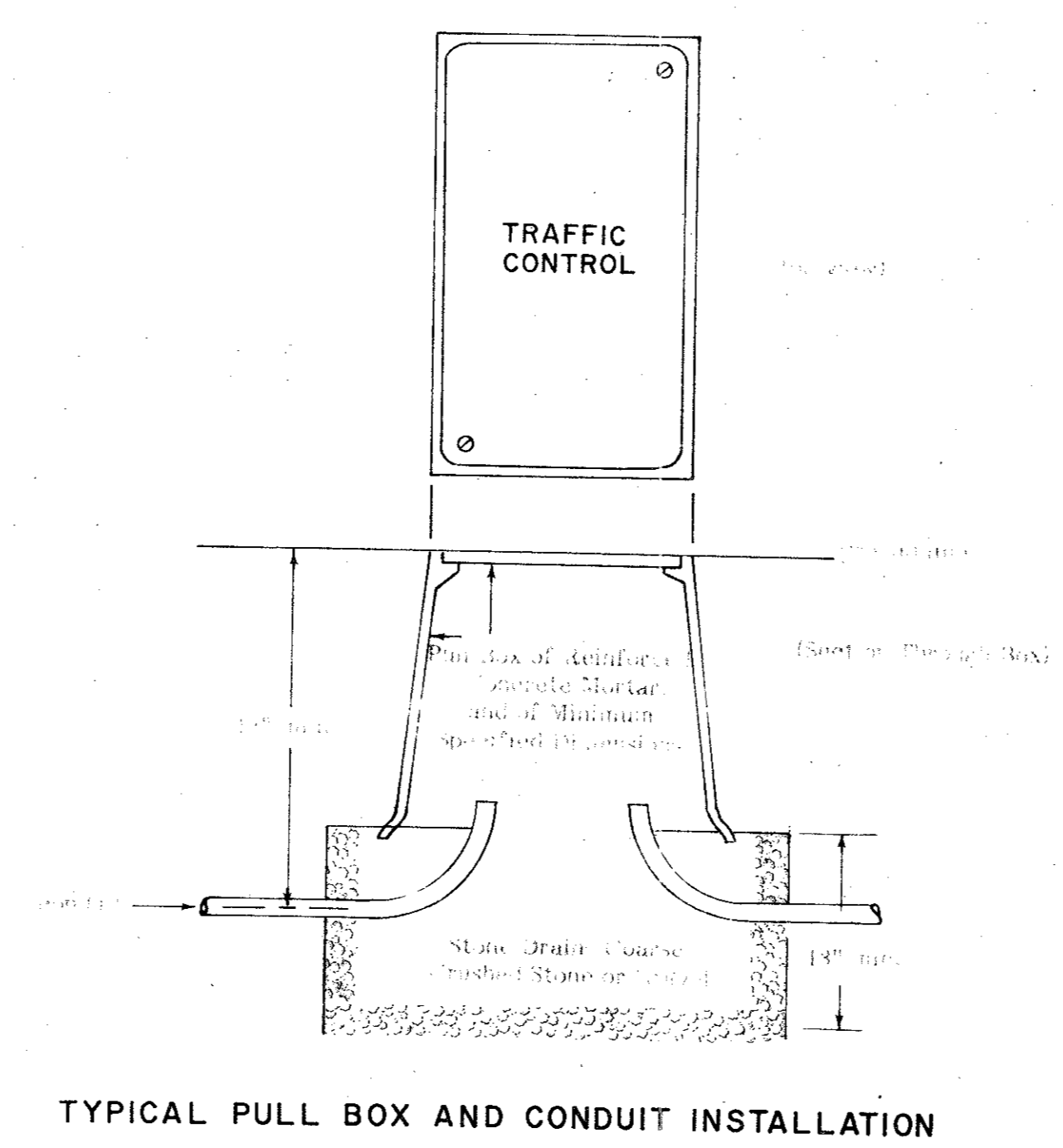
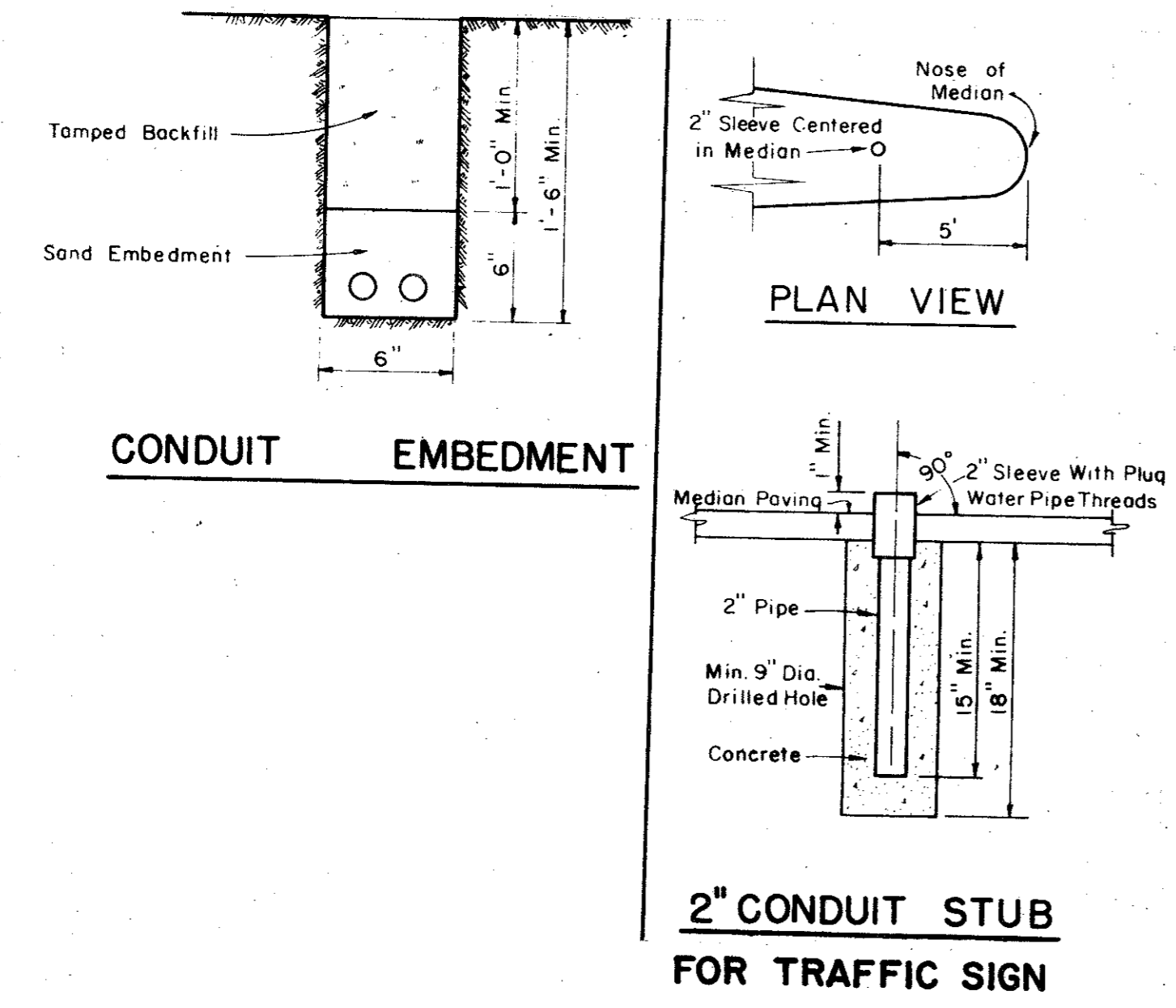
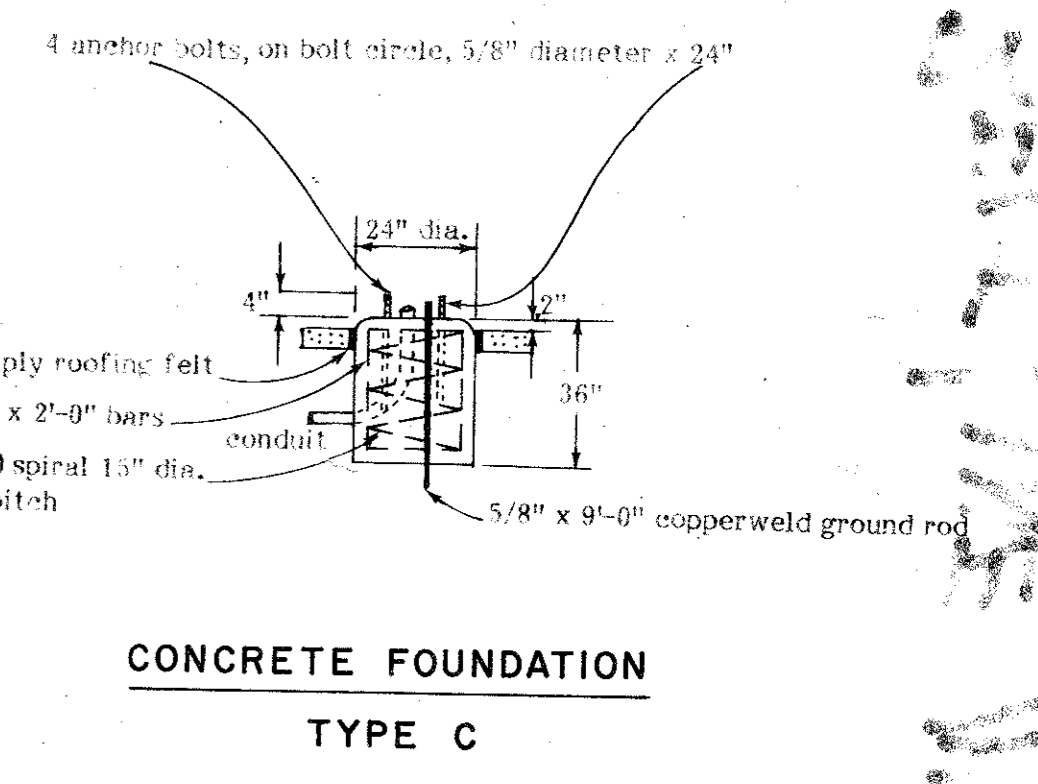
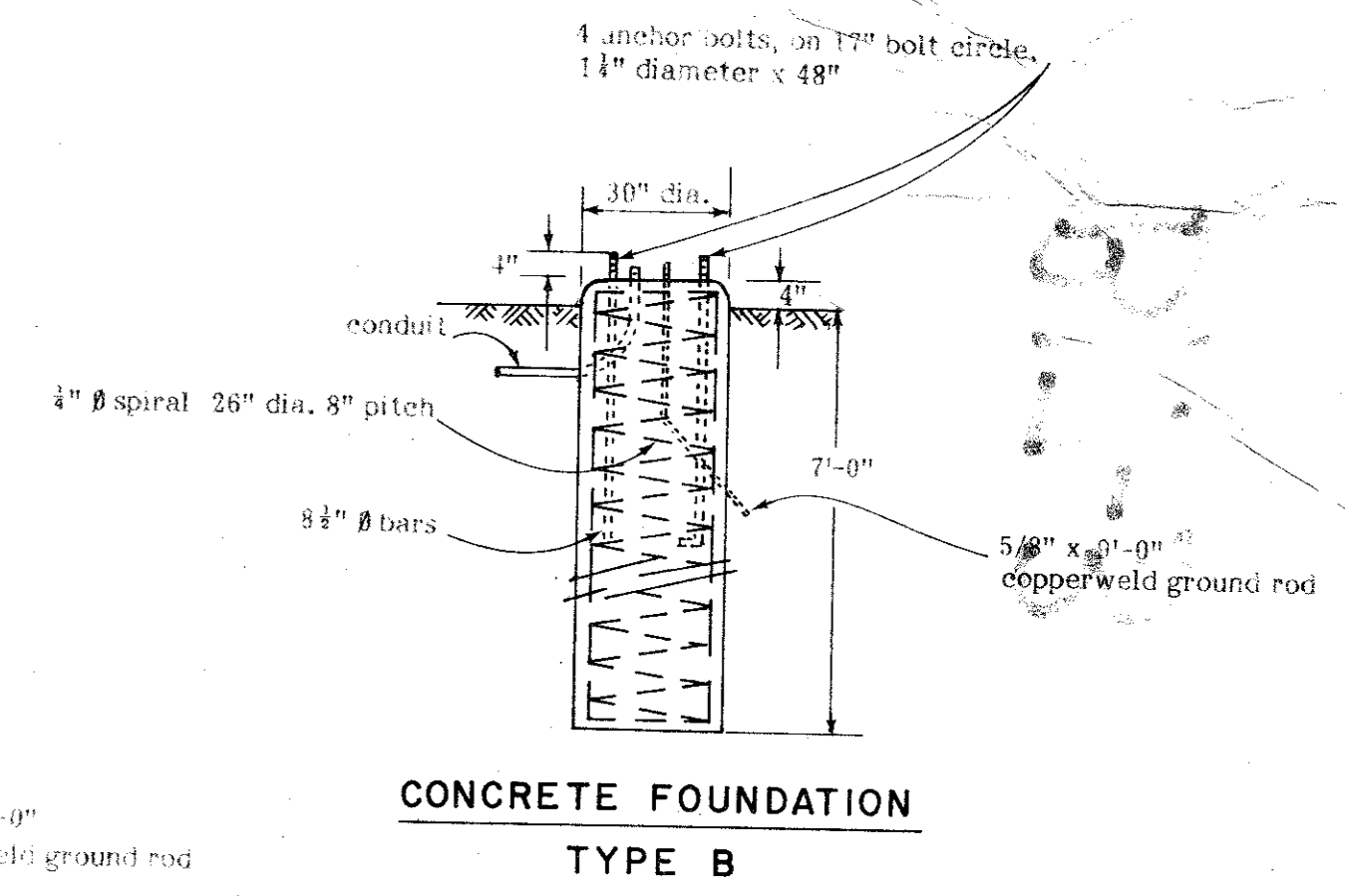
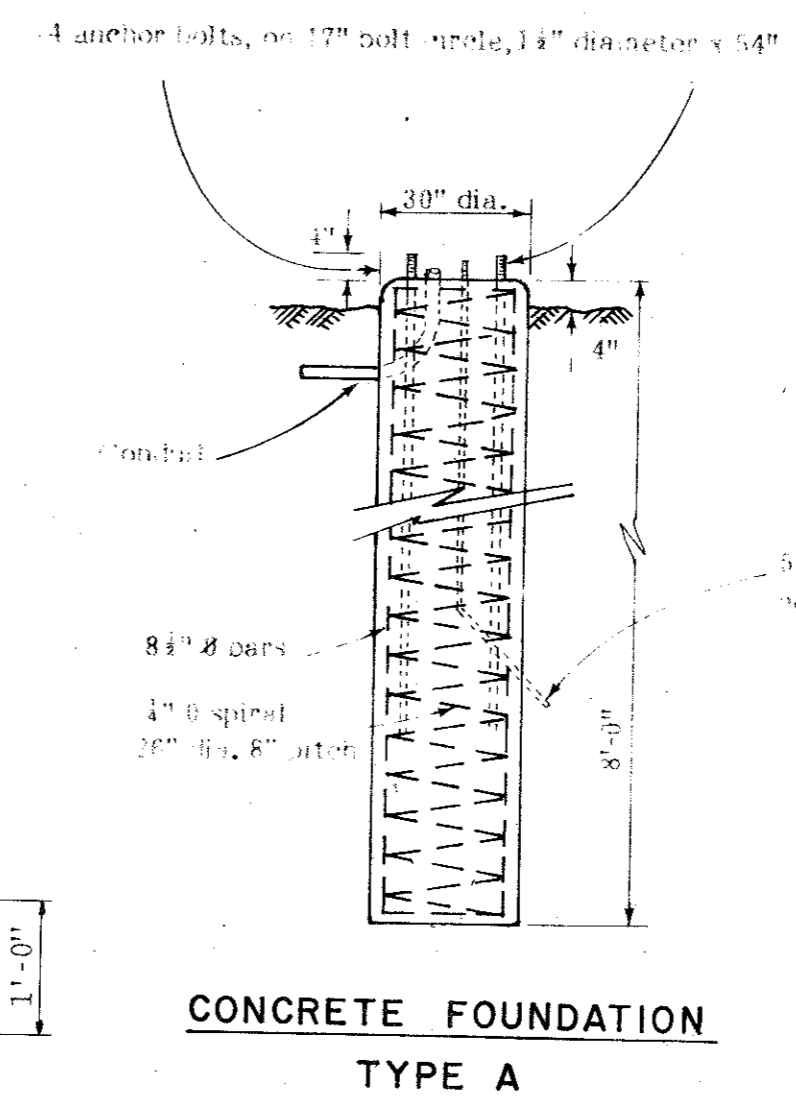
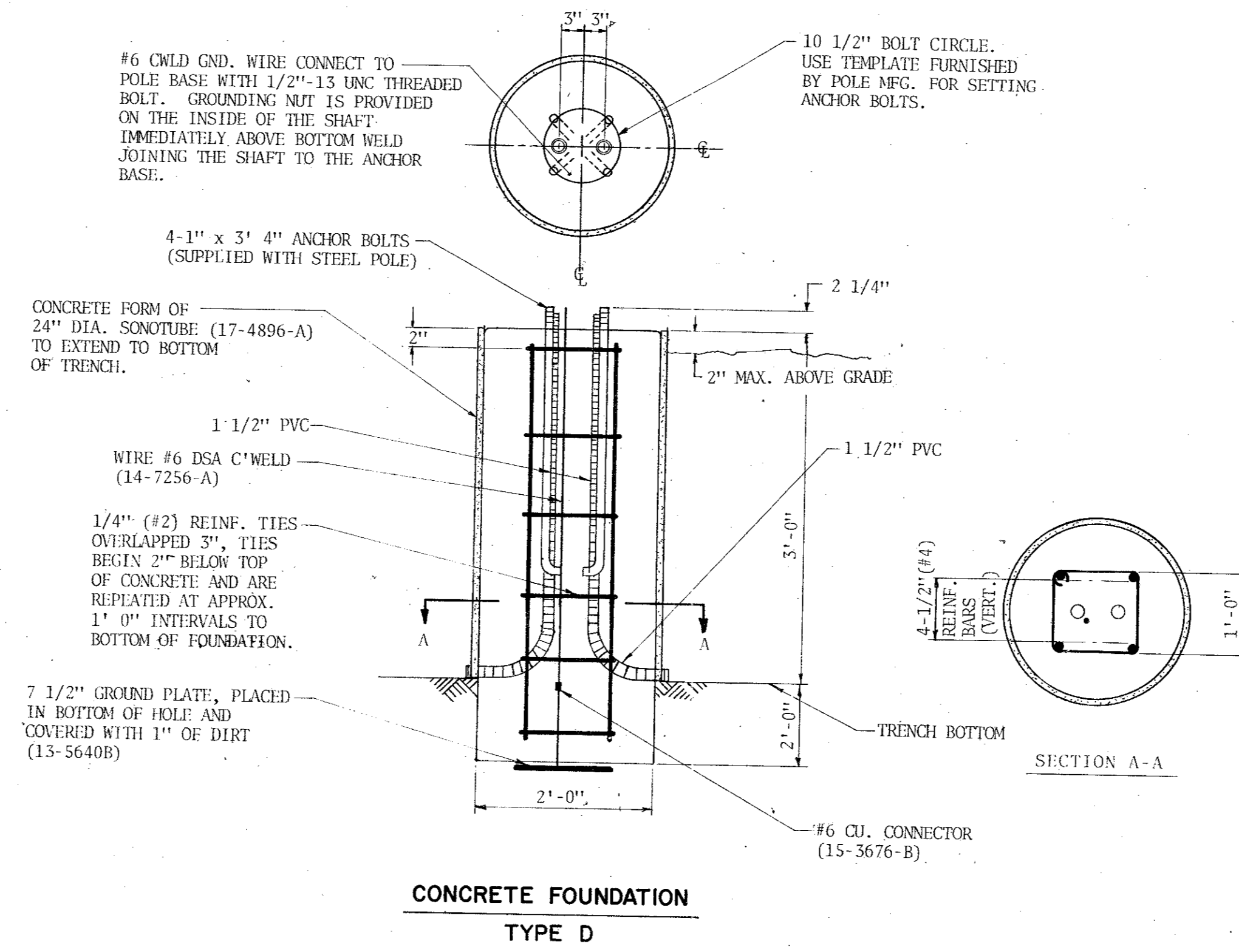


SPLICE BOLT NUT

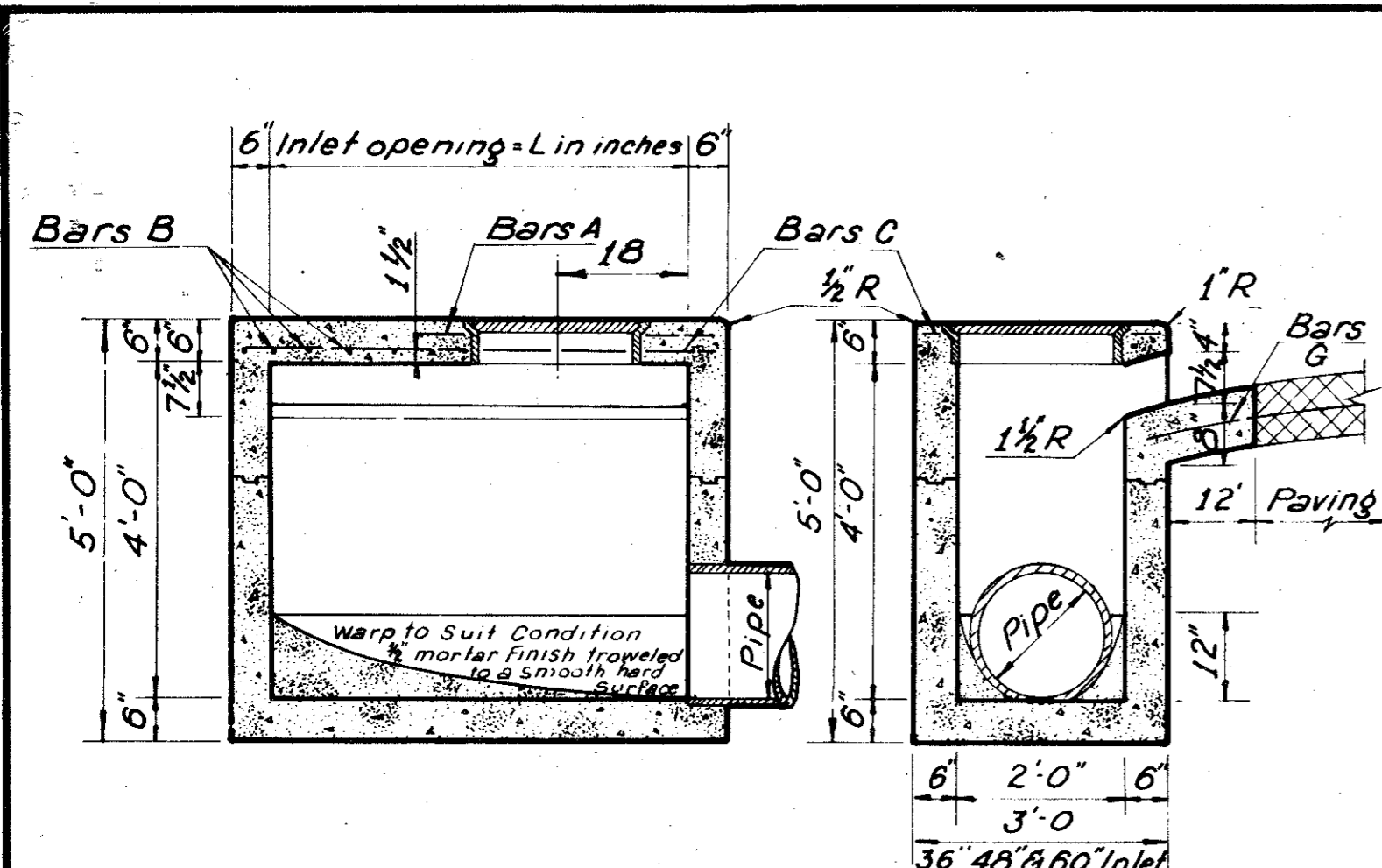
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCE

DEEP BEAM HIGHWAY GUARD RAIL

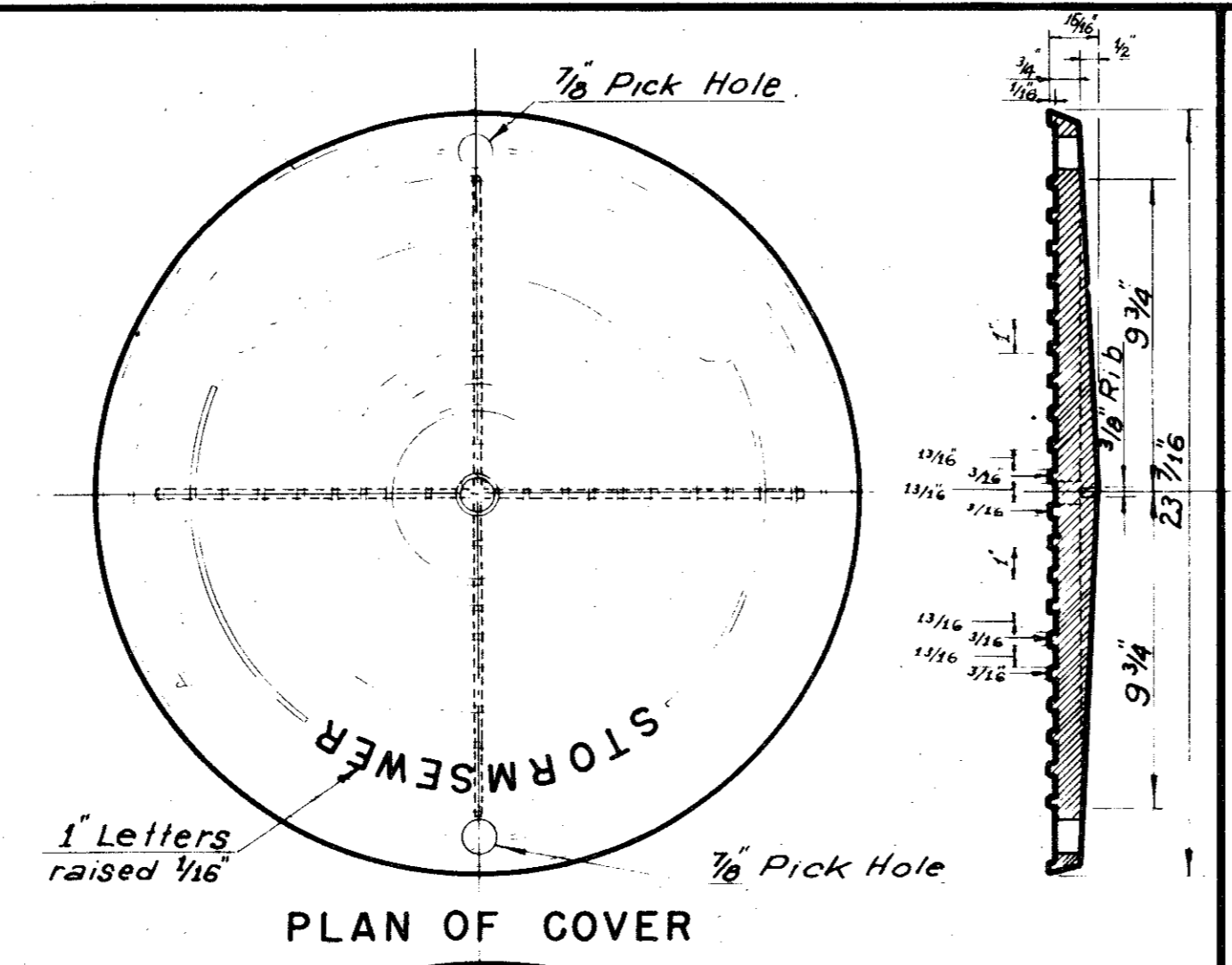
<b>CITY OF ADDISON</b>			
<b>COUNTY OF DALLAS, TEXA</b>			
DEPARTMENT OF PUBLIC WORKS			
<b>GUARD RAIL</b>			
<b>BELT LINE ROAD</b>			
GINN INC., CONSULTING ENGINEERS			
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980	FILE
APPROVED-HW	CHECKED-S.M.	SCALE-NONE	SHEET



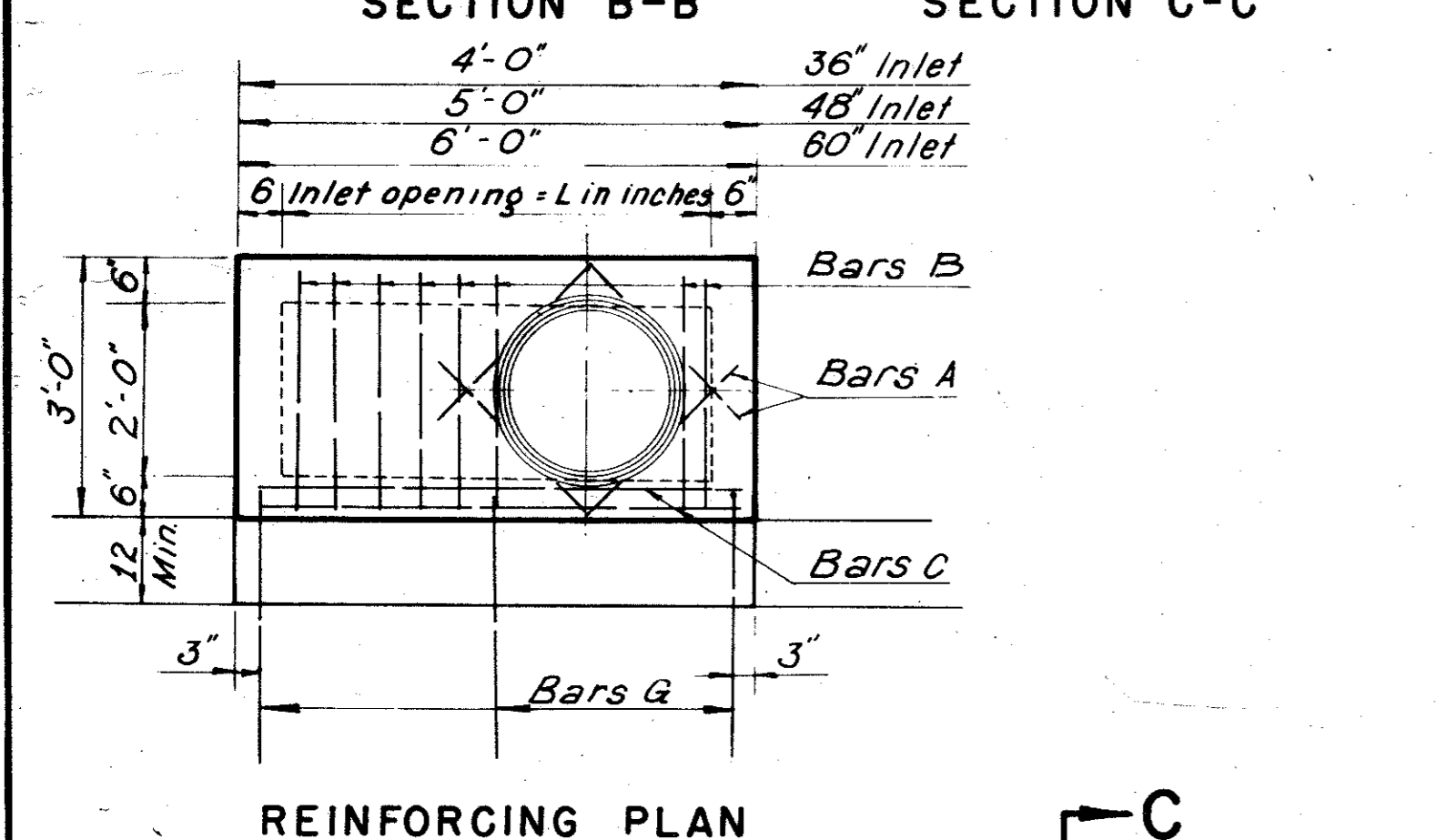
CITY OF ADRIANO  
**COUNTY OF DA**  
 DEPARTMENT OF PUBLIC UTILITIES  
**CONDUIT AND FOUNDATION BELT LINE**  
 GINN, INC., CONSULTANTS  
 DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1961  
 APPROVED - H.W.G. CHECKED - B.H. SCALE - NO. 1"



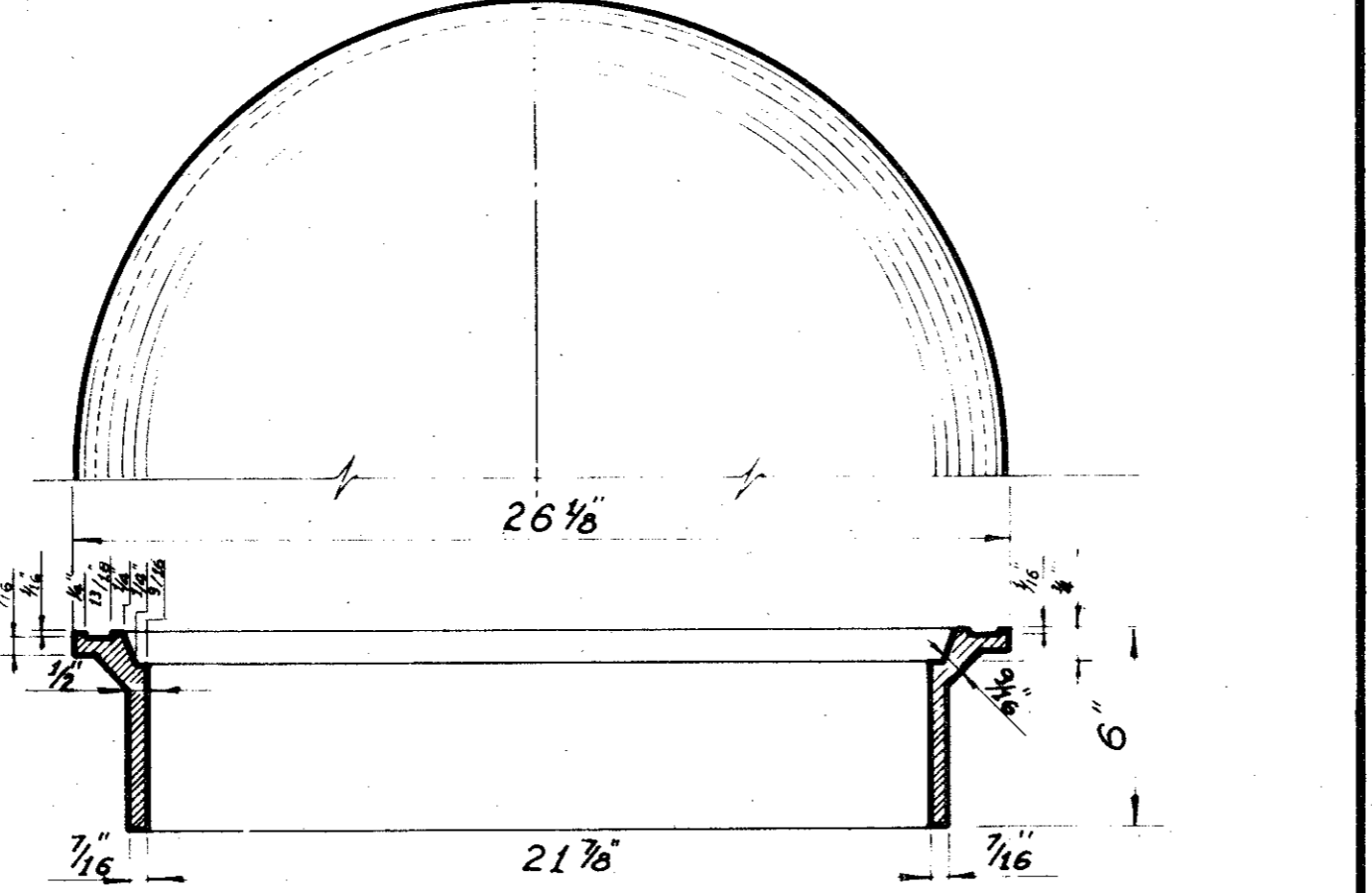
SECTION B-B SECTION C-C



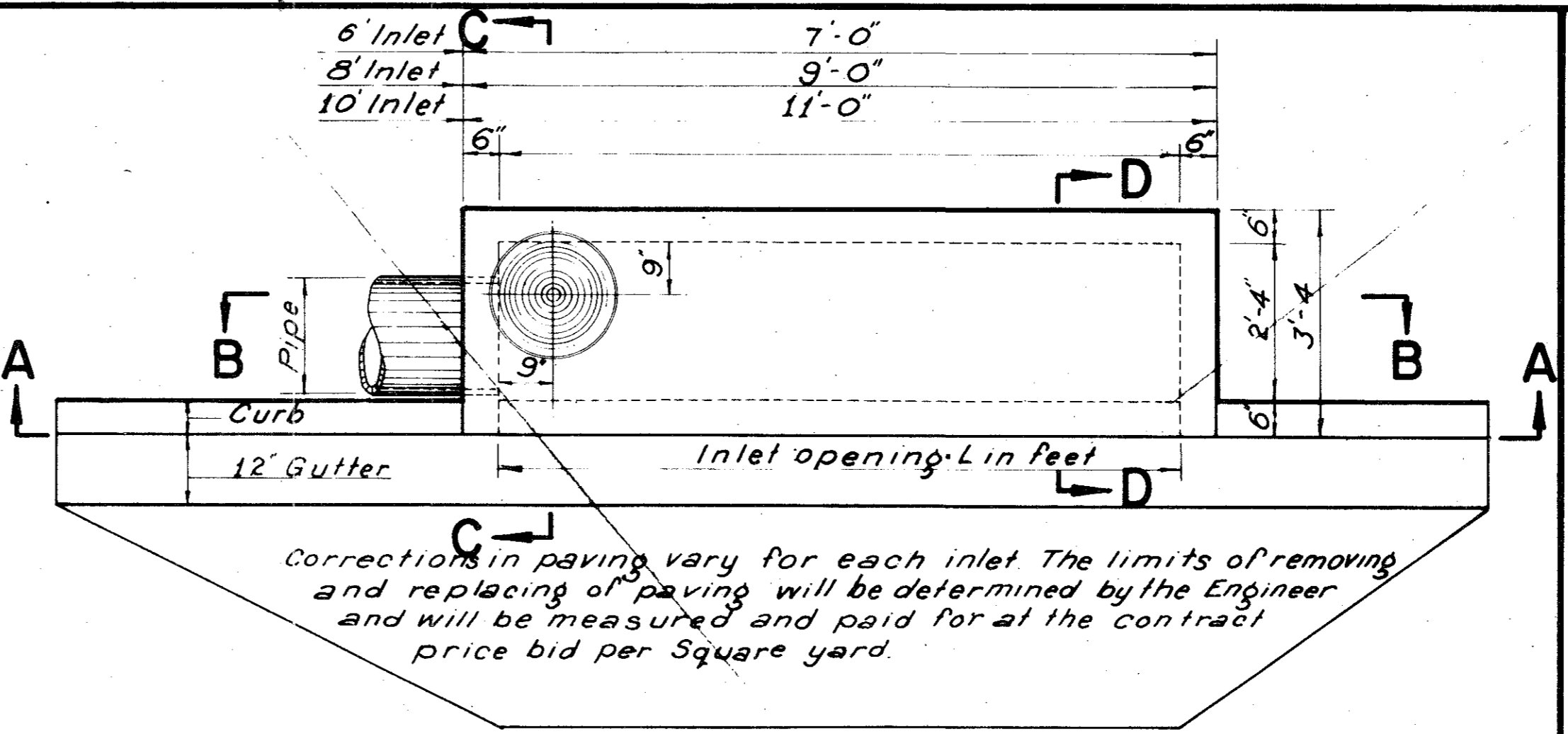
PLAN OF COVER



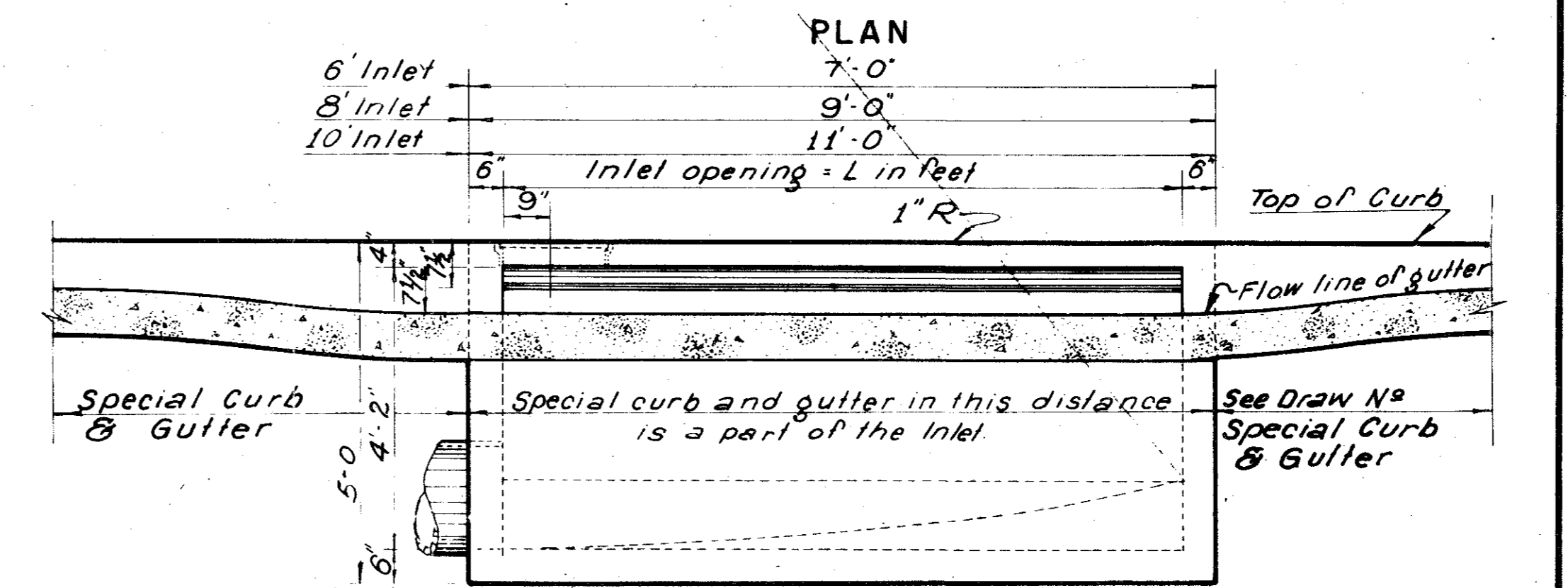
REINFORCING PLAN



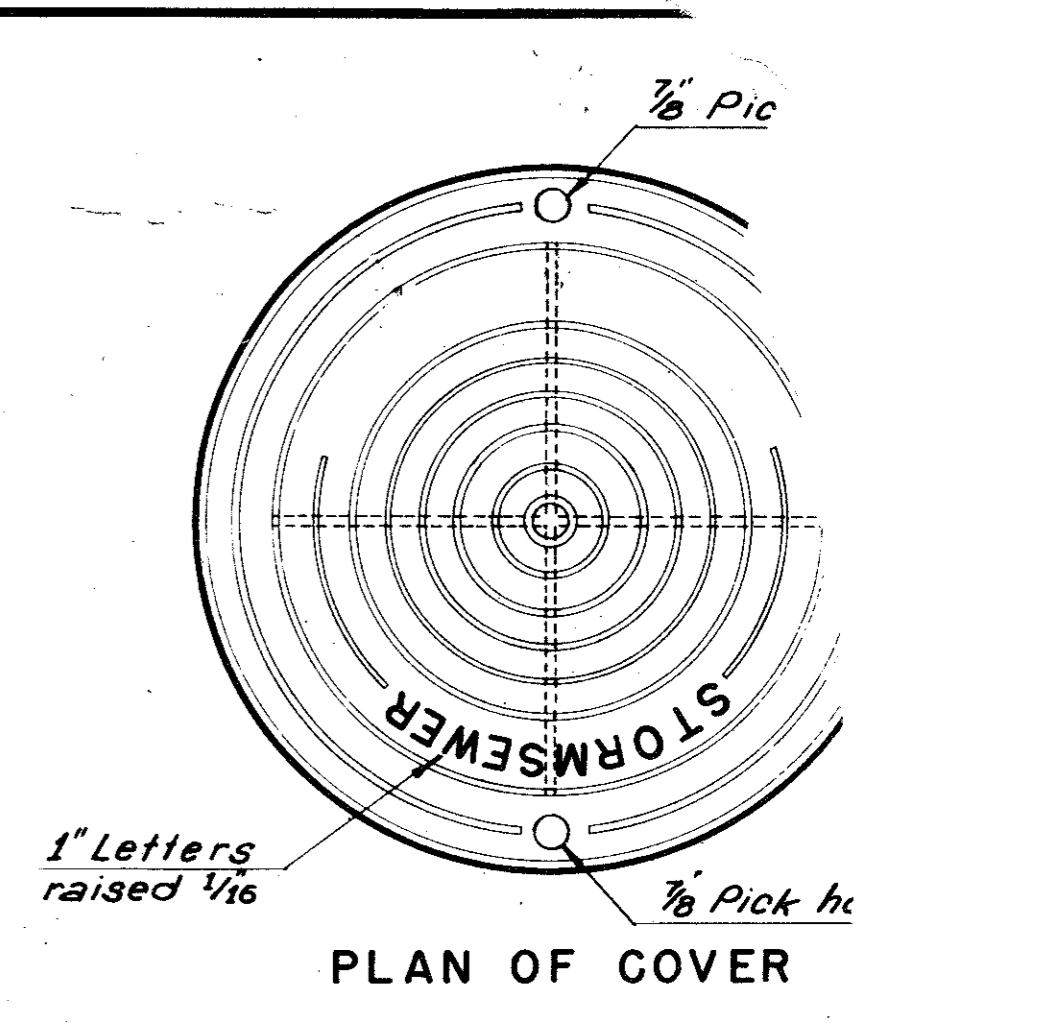
SECTION OF FRAME INLET FRAME AND COVER



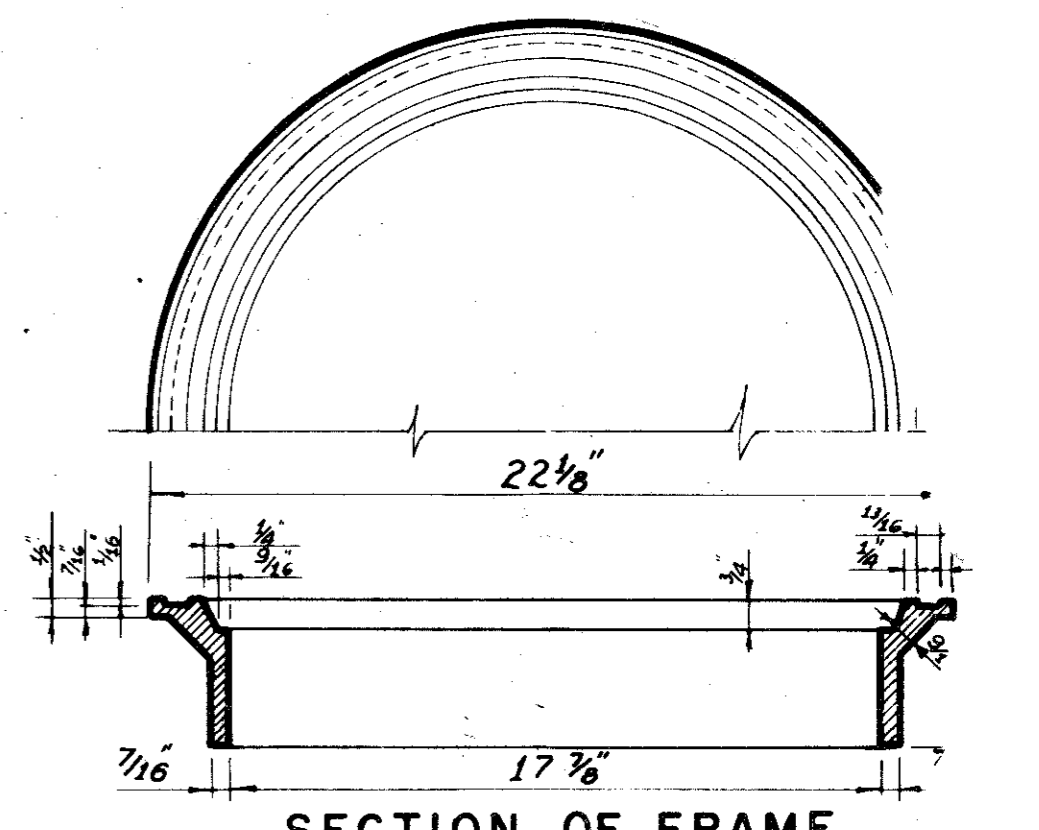
PLAN



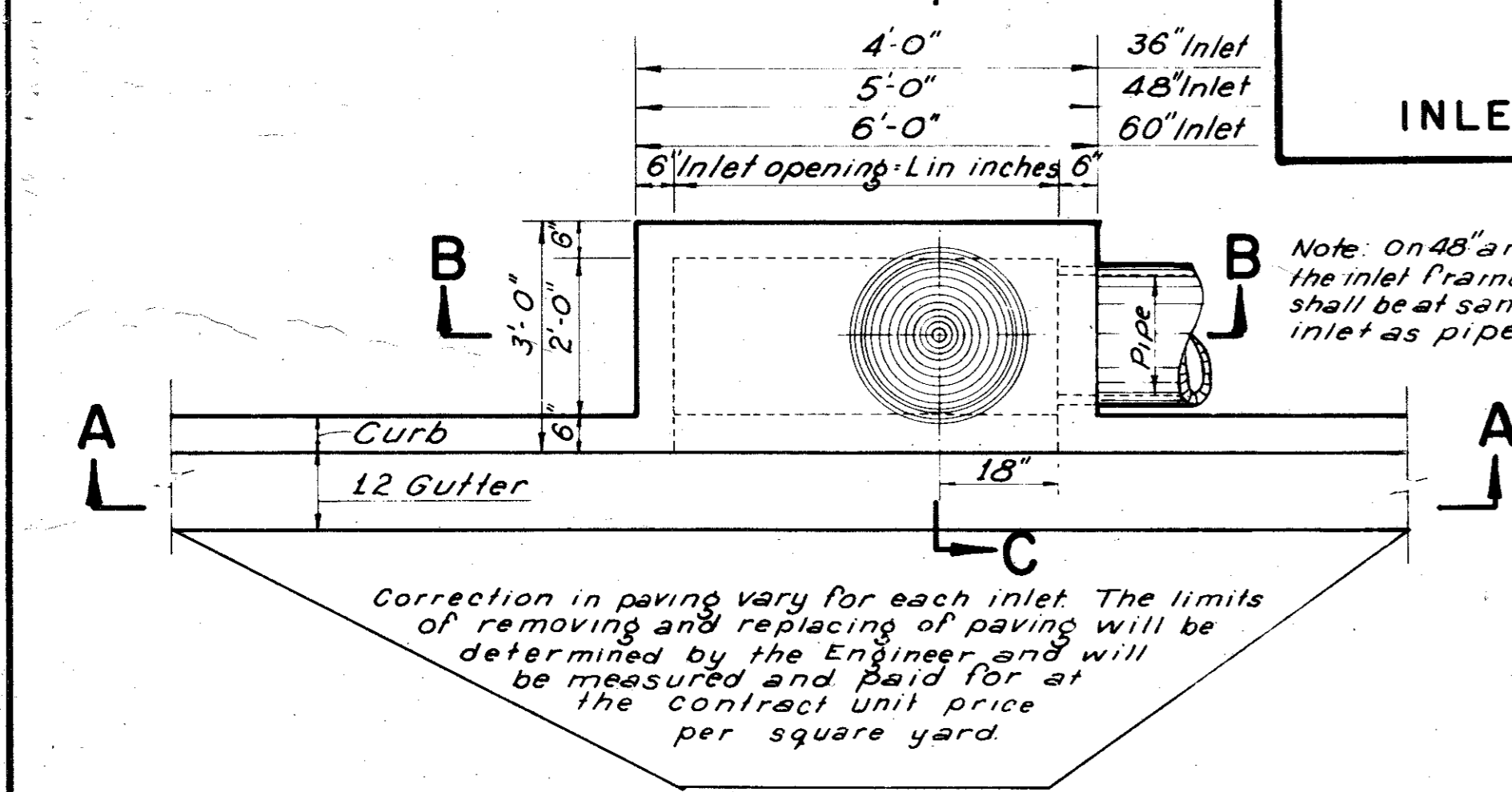
SECTION A-A



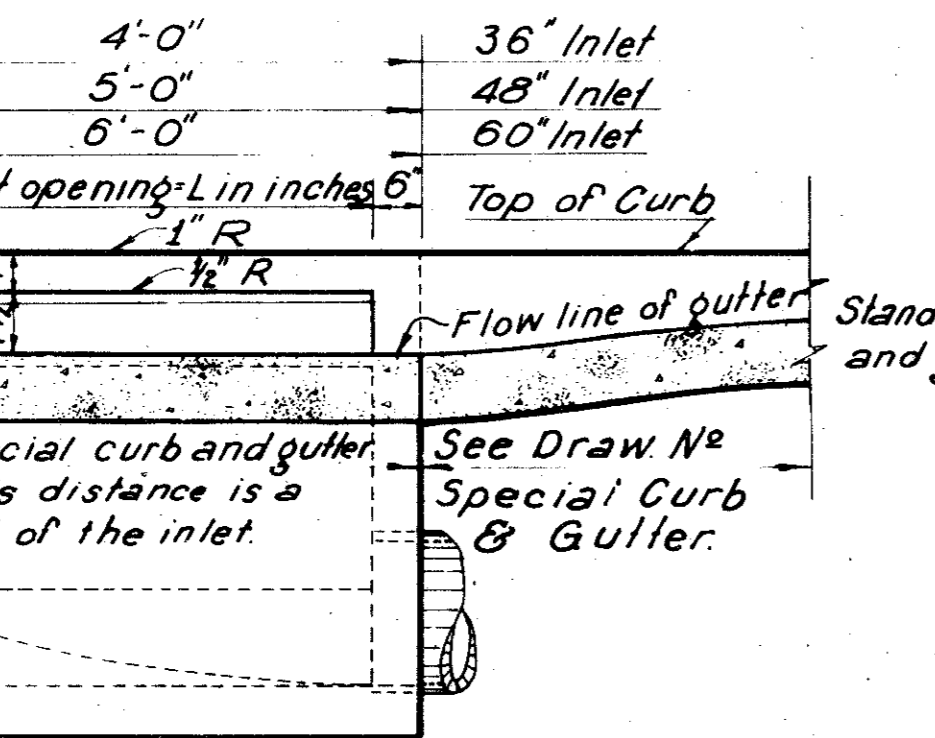
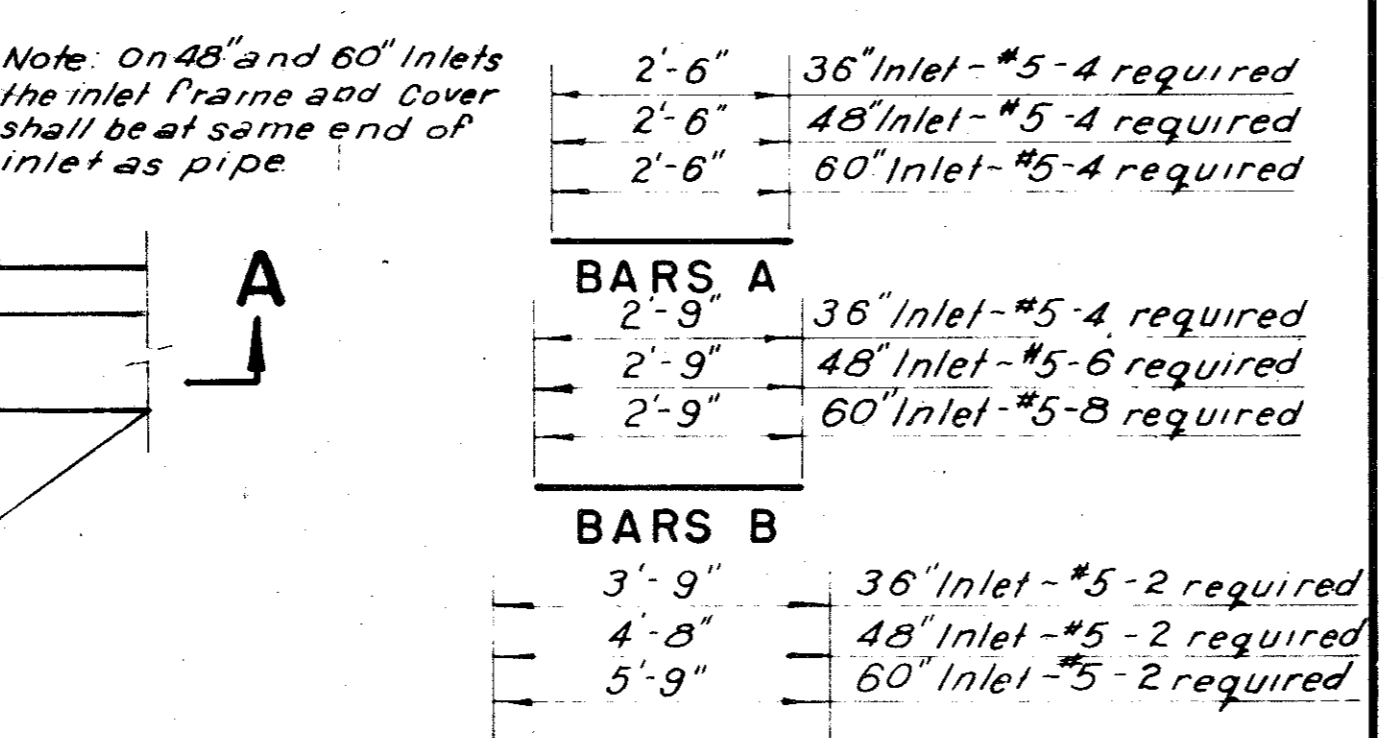
PLAN OF COVER



SECTION OF FRAME INLET FRAME AND COVER



PLAN



SECTION A-A

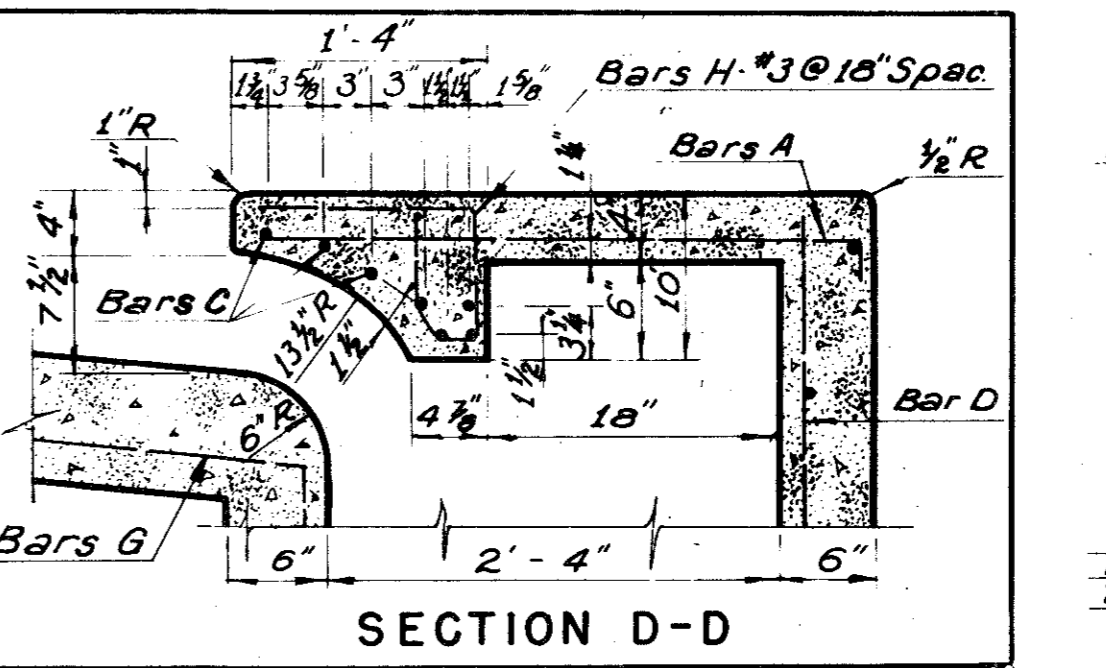
36, 48 AND 60 INCH INLETS

2'-6"	36" Inlet - #5-4 required
2'-6"	48" Inlet - #5-4 required
2'-6"	60" Inlet - #5-4 required
2'-9"	36" Inlet - #5-4 required
2'-9"	48" Inlet - #5-6 required
2'-9"	60" Inlet - #5-8 required
3'-9"	36" Inlet - #5-2 required
4'-8"	48" Inlet - #5-2 required
5'-9"	60" Inlet - #5-2 required
3'-0"	36, 48 & 60" Inlets #3-3 required

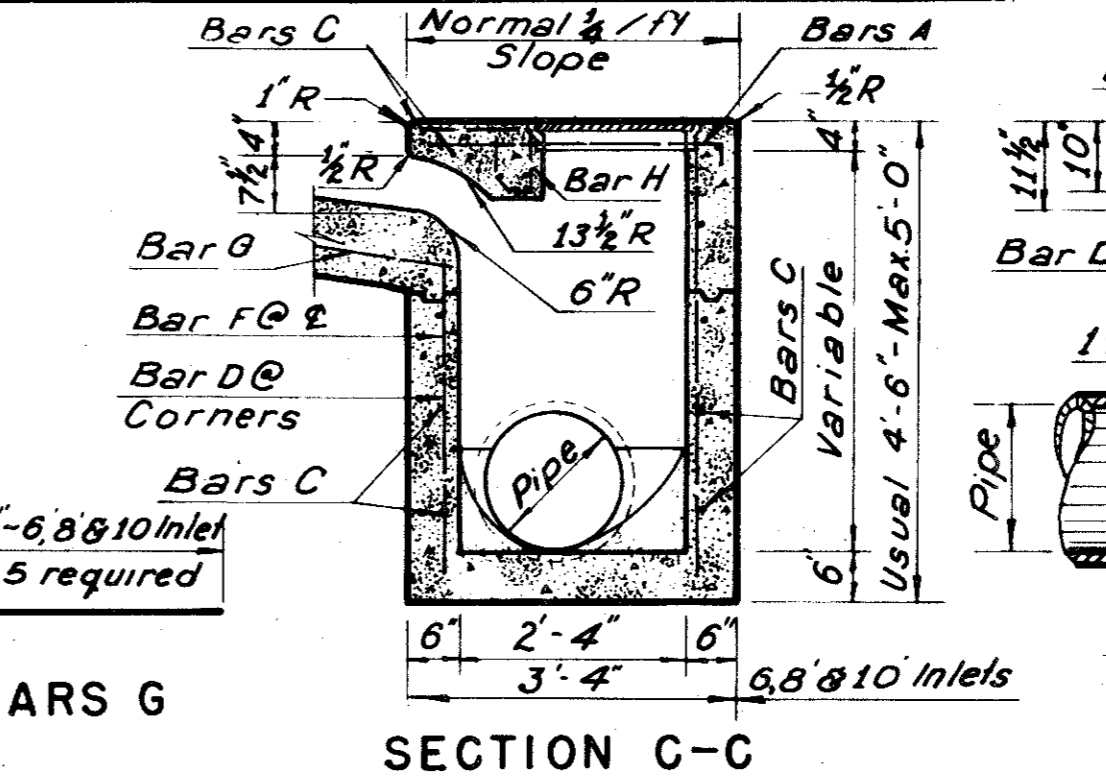
3'-0"	6" Inlet - #3-10 required
3'-0"	8" Inlet - #3-13 required
3'-0"	10" Inlet - #3-16 required
4'-10"	6" Inlet - #3-1 required
6'-10"	8" Inlet - #3-1 required
8'-10"	10" Inlet - #3-1 required

6'-8"	6" Inlet - #4-15 required
8'-8"	8" Inlet - #4-15 required
10'-8"	10" Inlet - #4-15 required

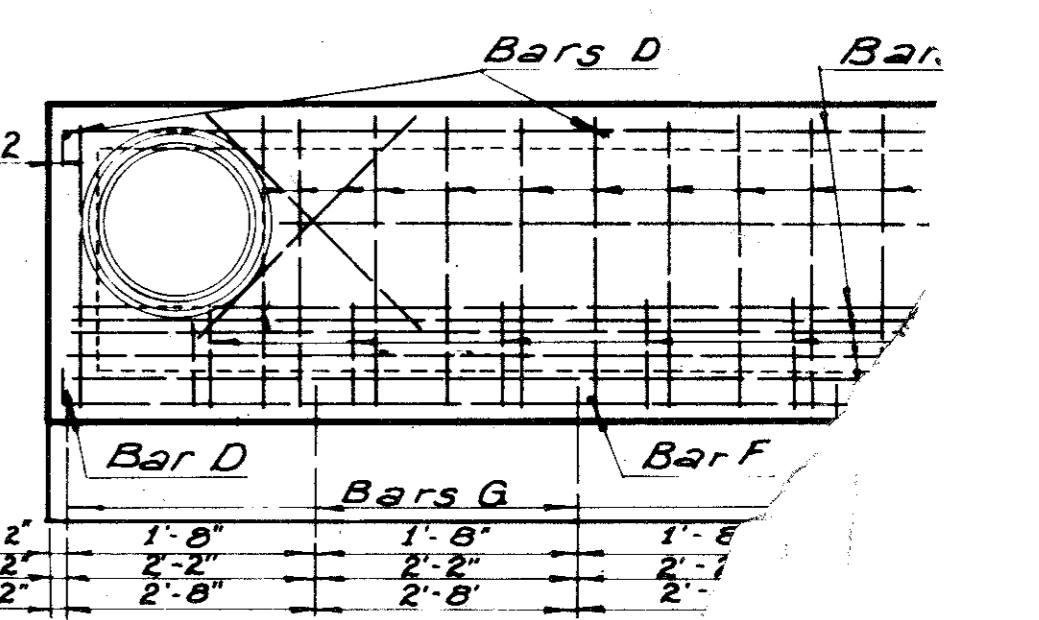
4'-8"	6, 8 & 10" Inlet #4-5 required
3'-6"	6, 8 & 10" Inlet #4-1 required
3'-0"	6, 8 & 10" Inlet #3-5 required



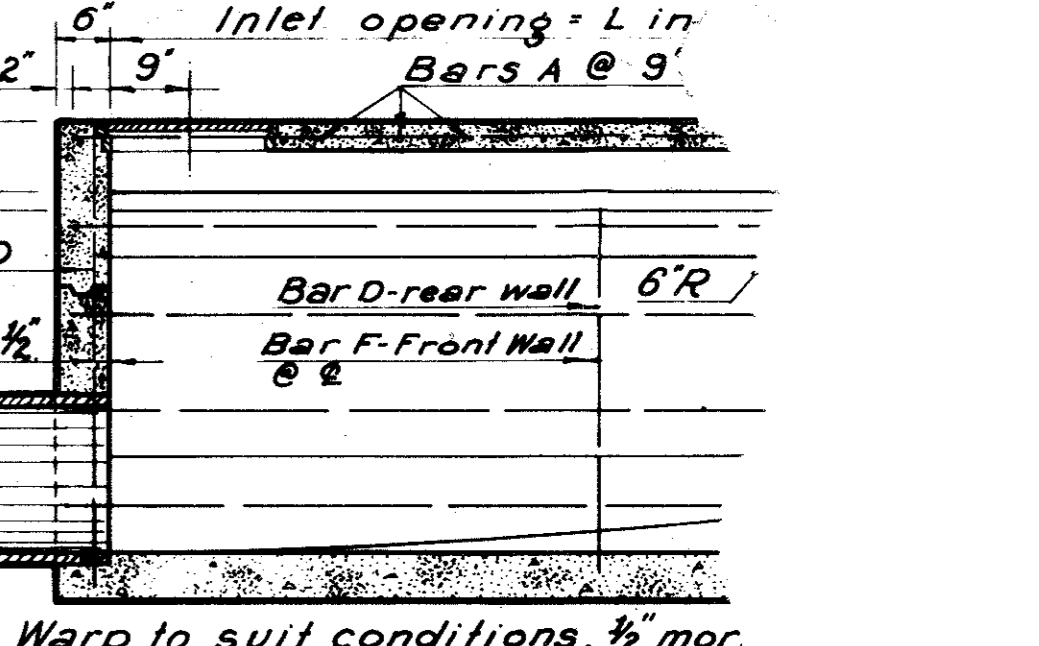
SECTION D-D



SECTION C-C



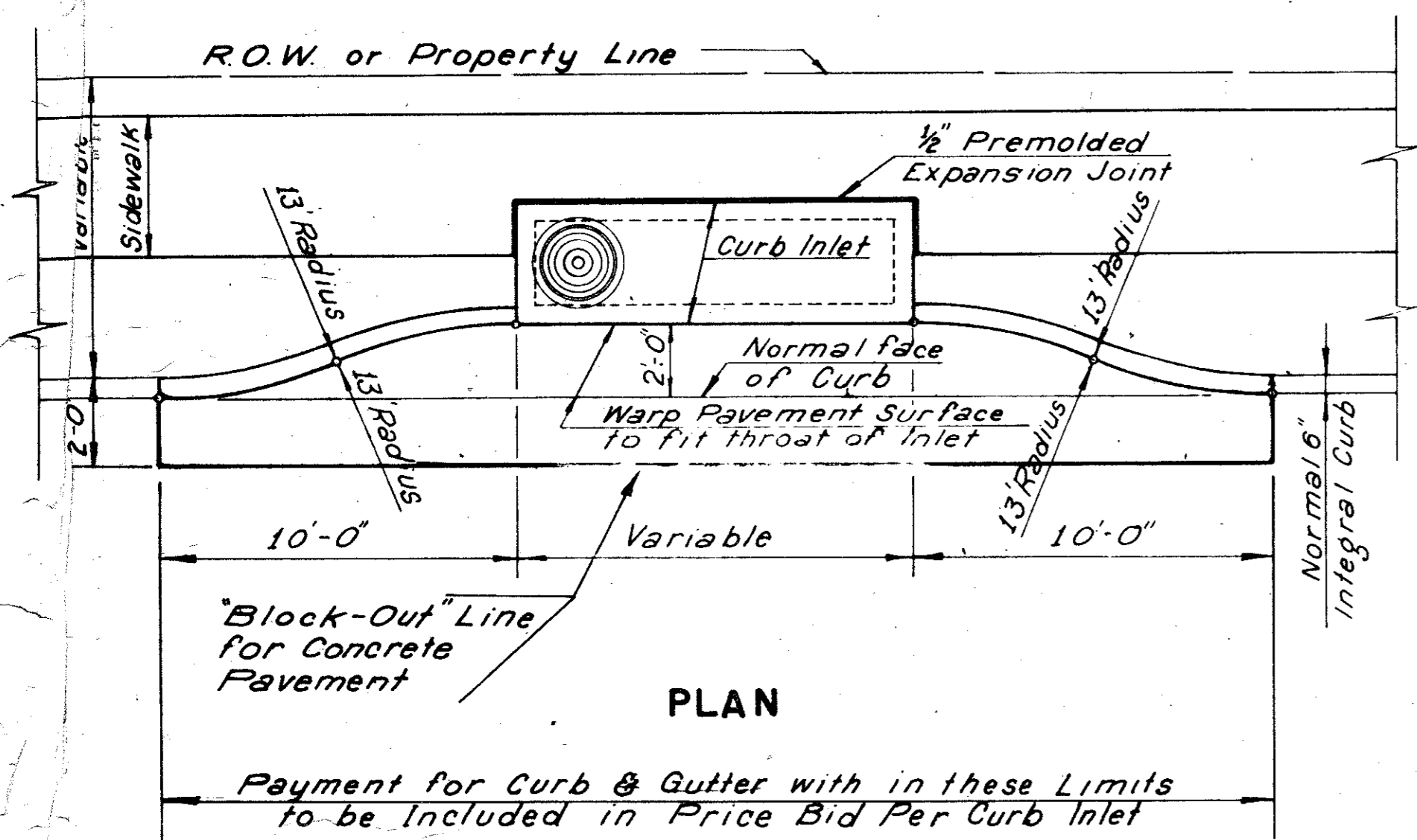
REINFORCING



SECTION B-L

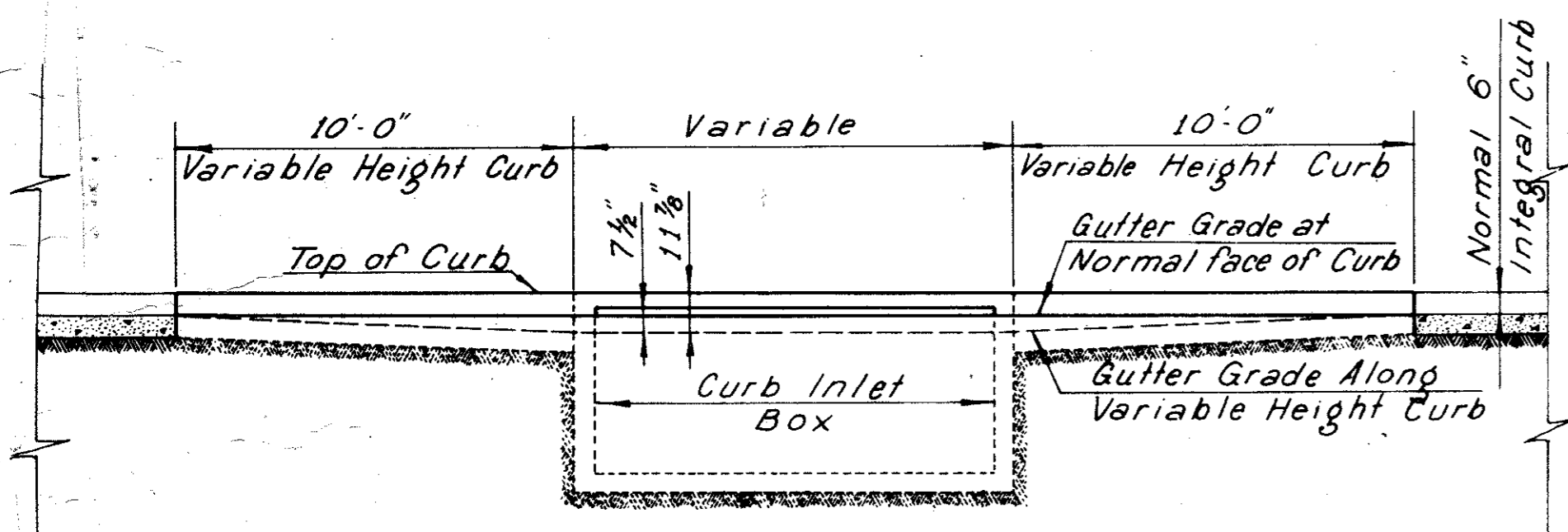
**NOTES:**  
 Concrete shall have a minimum compressive of 3000 psi. at 28 days.  
 Lateral pipe may enter inlet at any location.  
 The 12" gutter in front of inlet is a part of the inlet and shall be built with the inlet.  
 Top of inlet slope shall conform to adjacent parkway normal 1/4" ft. Slope.

CITY OF ADI  
 COUNTY OF DAL  
 DEPARTMENT OF PUBL  
 STANDARD CU  
 BELT LINE  
 GINN, INC

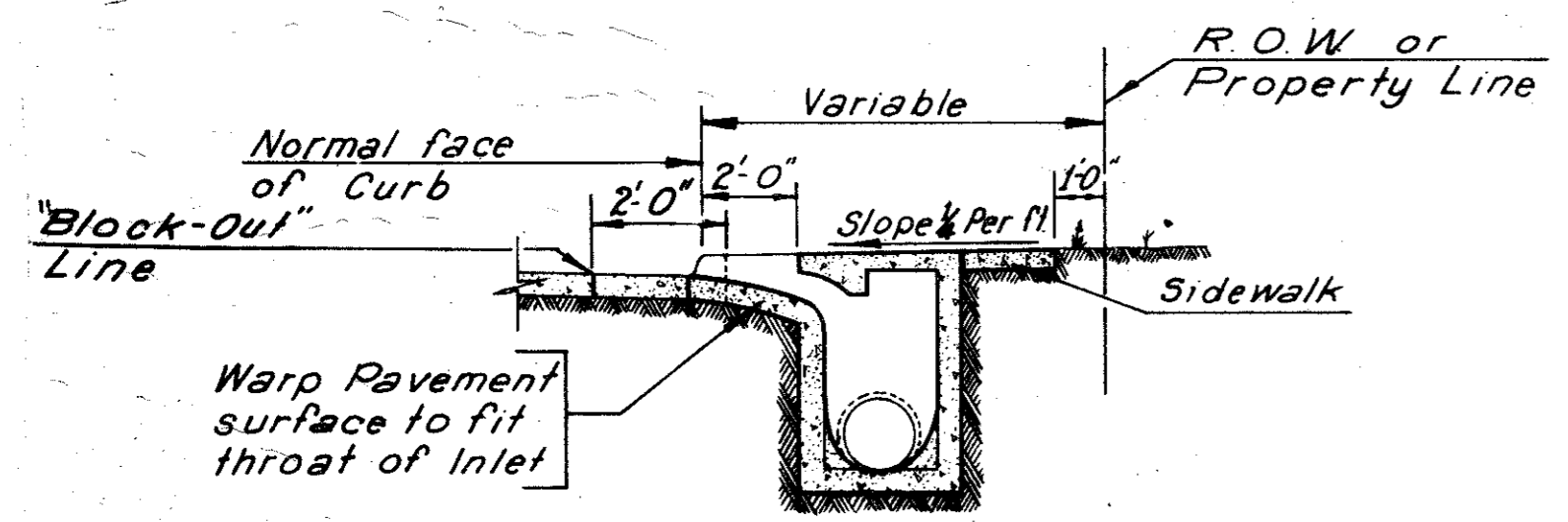


PLAN

Payment for Curb & Gutter with in these Limits to be Included in Price Bid Per Curb Inlet



ELEVATION



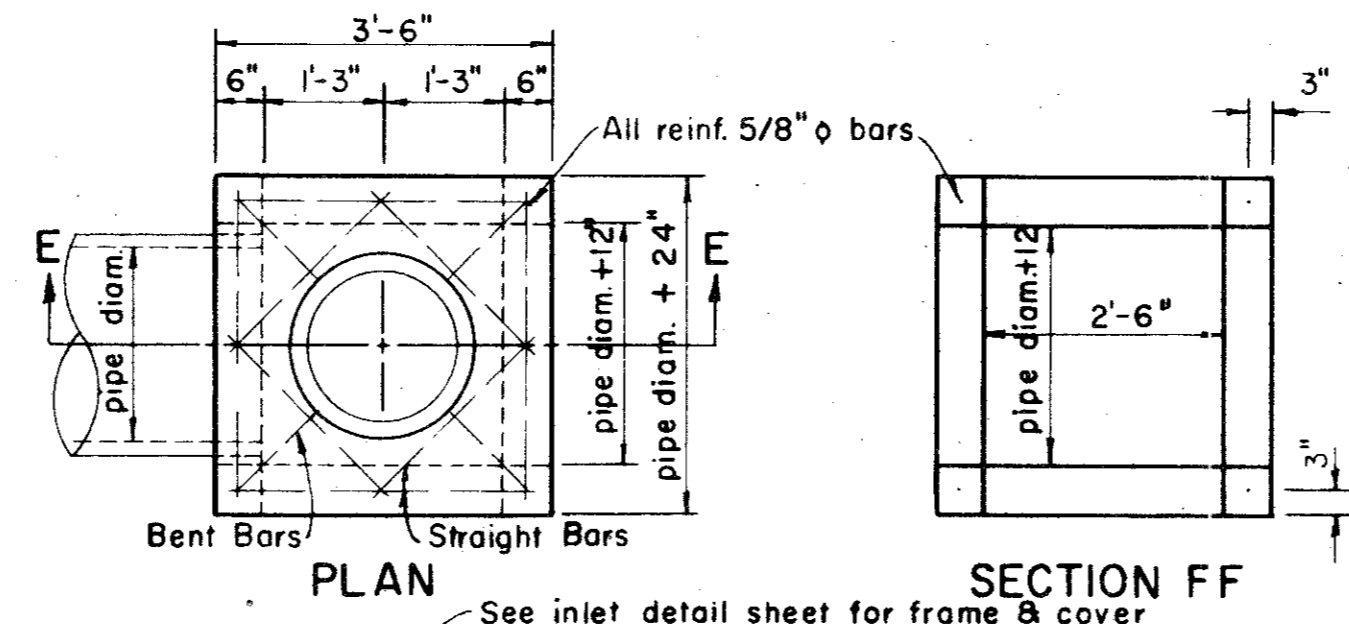
SECTION A-A

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

RECESSED STORM SEWER CURB INLET

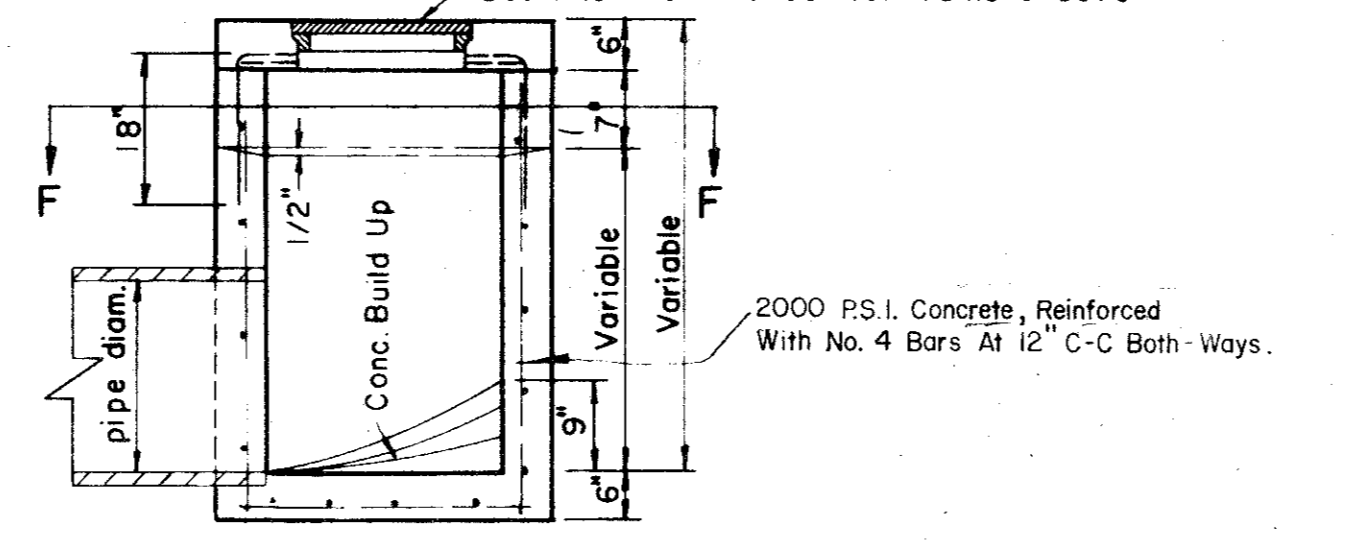
SCALE: 1/4" = 1'-0"

"Y" TYPE INLET



PLAN

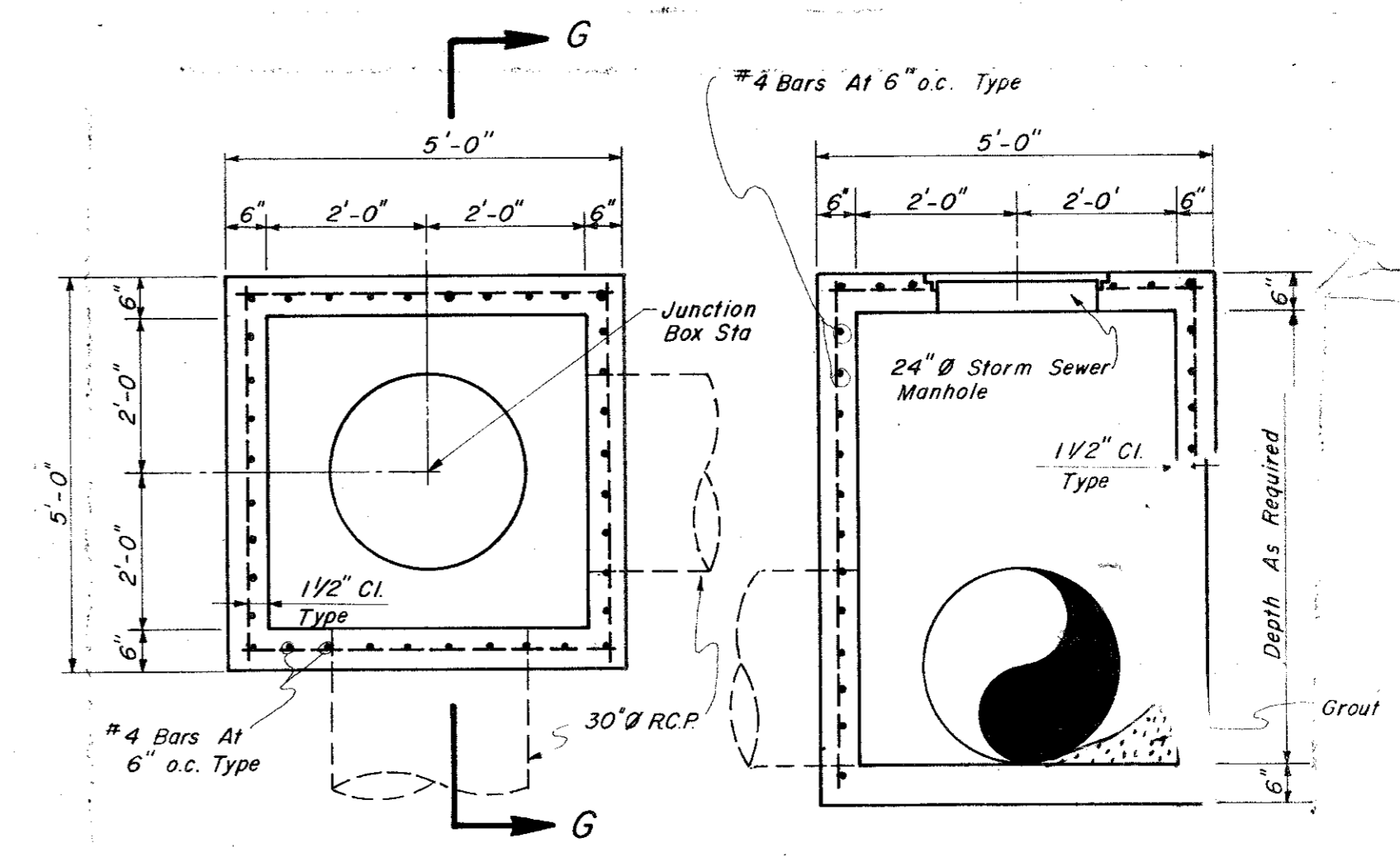
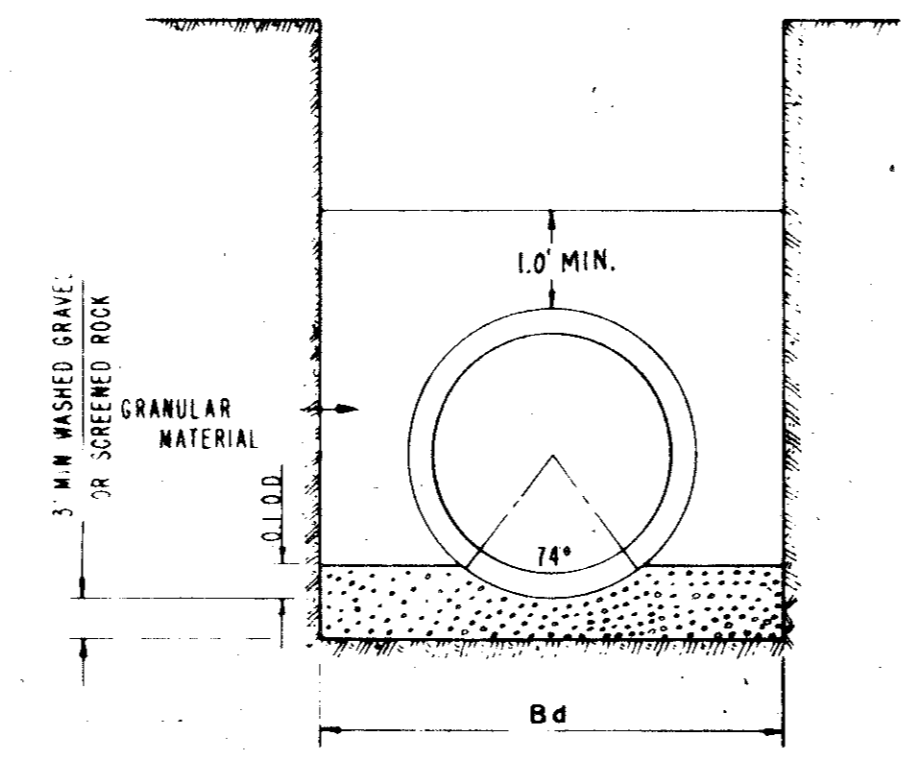
SECTION FF



SECTION EE

PIPE DIA.			CUBIC YARDS PER 100 LF.	
I.D.	O.D.	Bd	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

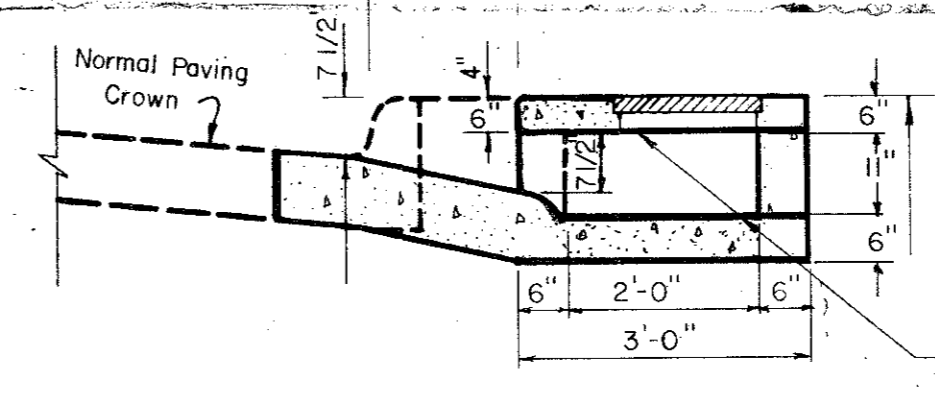
STORM SEWER EMBEDMENT



PLAN

SECTION "G-G"

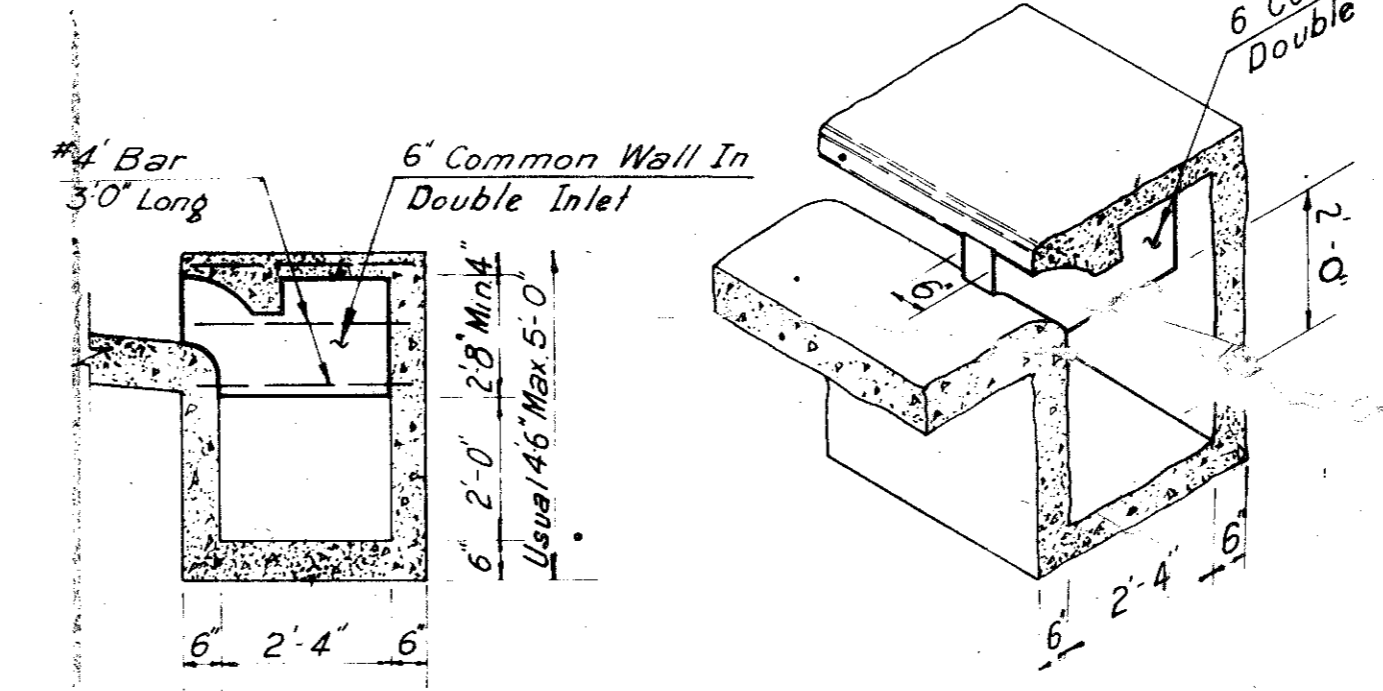
JUNCTION BOX  
Scale: 1/2" = 1'-0"



SECTION A-A

6' MODIFIED RECESSED CURB INLET (DISCHARGE AT GRADE)

NOTE: All Reinforcing Steel other than steel in Common Wall shall be the same as shown in standard Inlet Details.

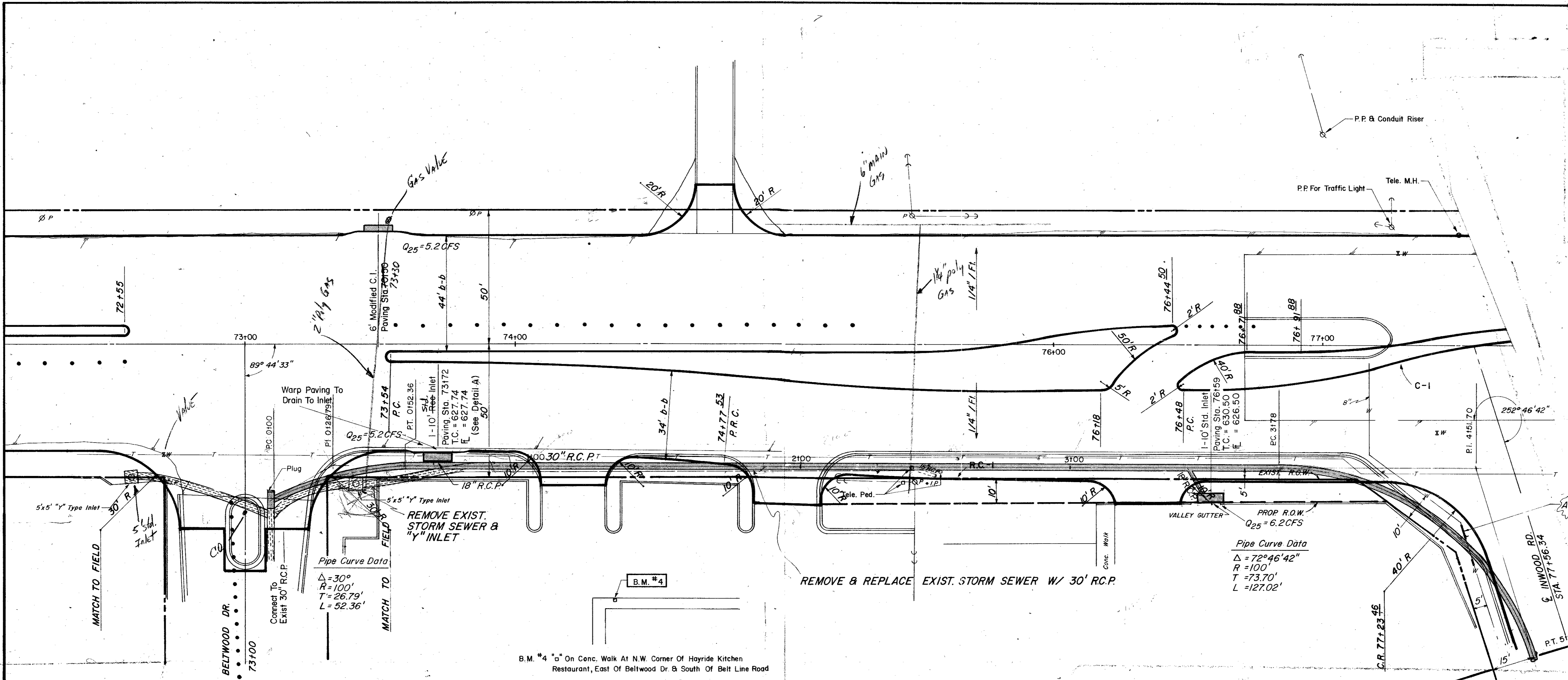


ELEVATION  
Scale: 3/8" = 1'-0"

ISOMETRIC DETAIL  
Scale: 3/8" = 1'-0"

MULTIPLE CURB INLET (COMMON WALL)

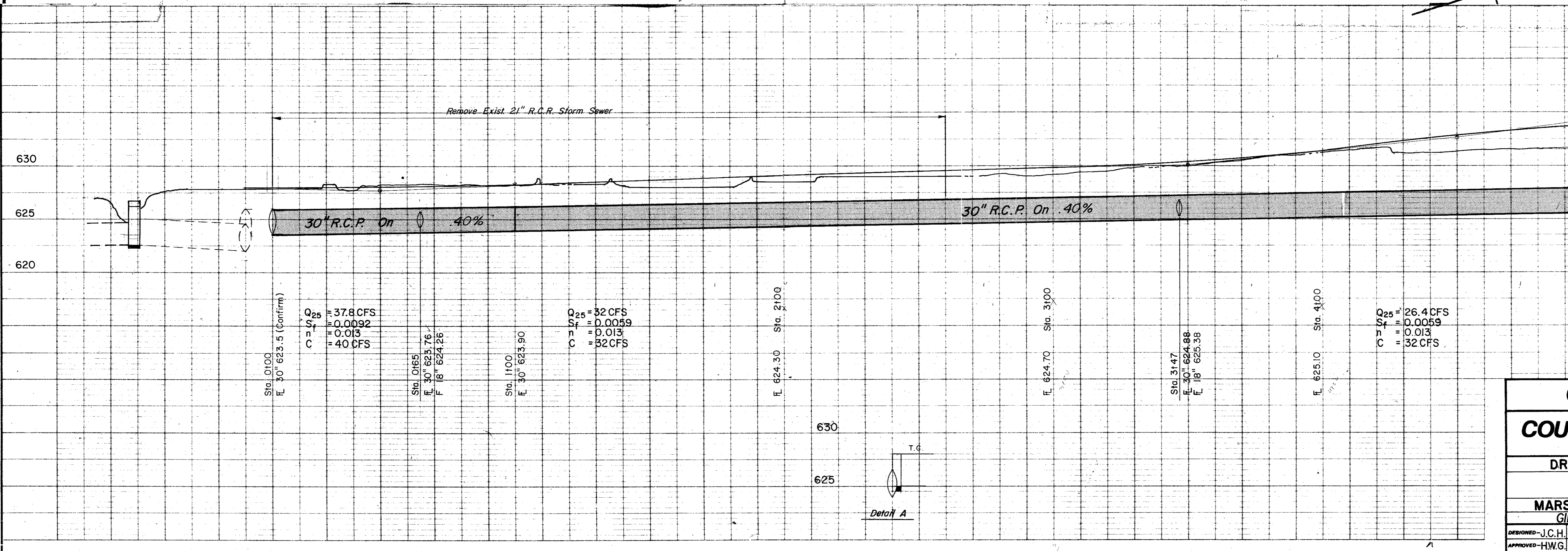
COUNTY OF  
DEPARTMENT  
RECESS  
BEL  
GINN, INC.  
DESIGNED J.C.H. DRAWN S.M.  
APPROVED HWG CHECKED B.H.



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
452.2	15" R.C.P. C.I. III	L.F.	13.0
453.2	30" R.C.P. C.I. III	L.F.	52.0
477.2	10' Rec. Inlet compl. in pl.	EA	1.0
470.8	10' Standard C.I.	EA	1.0
479.4	Adjust 8" Water Line	L.F.	15.0

**LEGEND**

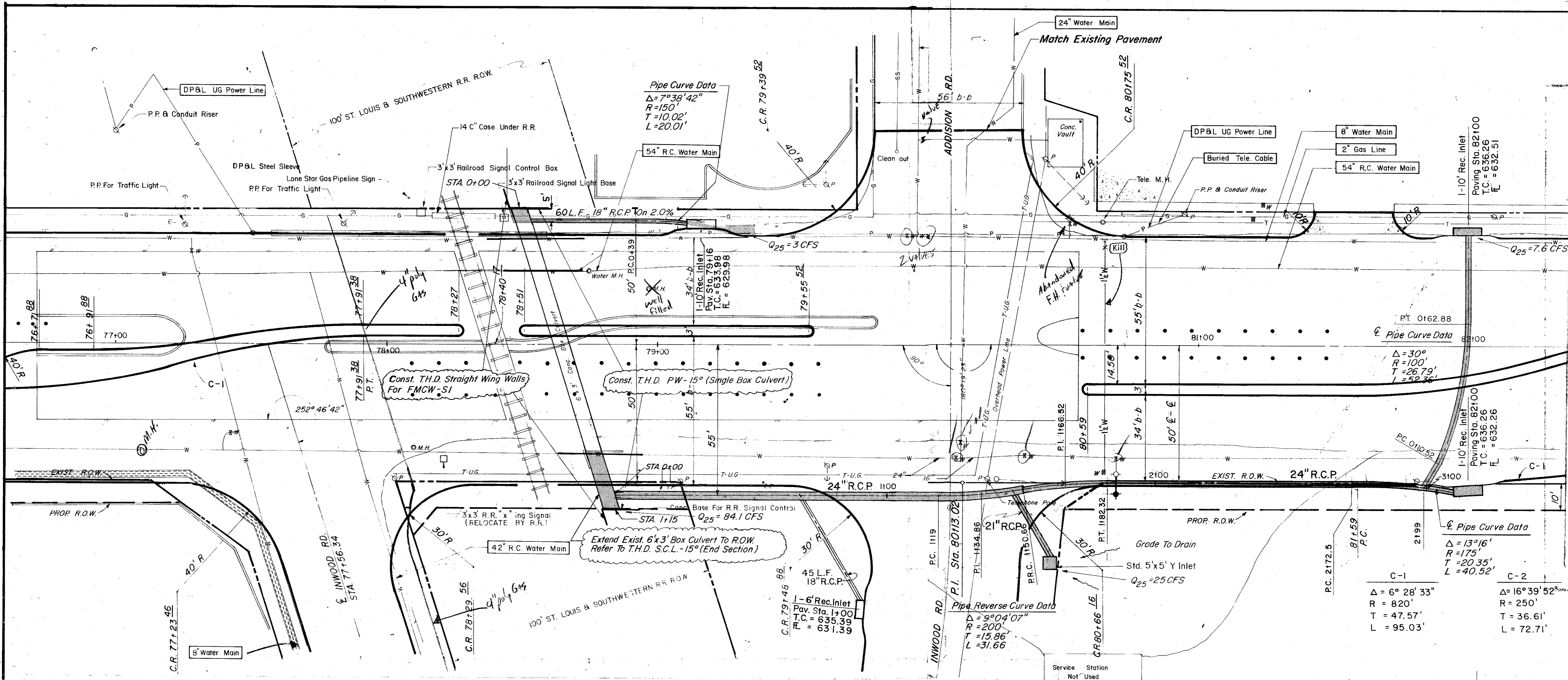
- Blank Mark
- Iron Pipe
- Monument
- ⊕ Gas Meter
- ⊕ Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Power Line
- Guy Wire Anchor
- Telephone Line
- ⊕ Water Meter
- ⊕ Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Fire Direction Indicator
- Property or Right-of-Way Line (ROW)
- Easement Line
- Traffic Pole 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

**DRAINAGE STA. 72+00 - 78+00**  
**BELT LINE ROAD**  
**MARSH LN. TO NORTH DALLAS PKWY.**  
 GINN, INC., CONSULTING ENGINEERS

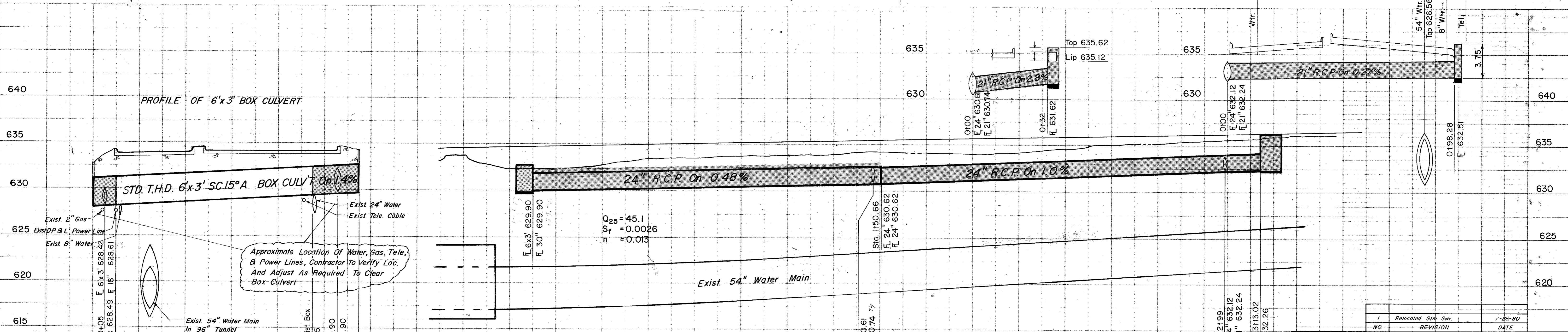
DESIGNED - J.C.H.	DRAWN - S.M.	DATE - MAY-1980	FILE
APPROVED - H.W.G.	CHECKED - B.H.	SCALE - H=1"=20'/V=1"=5'	SHEET 4   OF



ITEM	DESCRIPTION	UNIT	QUANTITY
421.0	Cl. A Conc. Pipe (Ringwall)	CY	15.3
430	Extend 6x3 Box (Conc.)	CY	17.3
440.0	Reinf. Steel Ringwall	LBS	479.0
440.1	Reinf. Steel Box Culvert	LBS	2085.0
465.1	18\"/>		

LEGEND	
○	Head Mark
●	Iron Pin
○	Manhole
⊕	Gas Meter
⊕	Gas Valve
⊕	Gas Line
⊕	Power Pole (Typical Pole Symbol)
⊕	Power Line
⊕	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. Ann. Pole Foundation (Type A w/ B)
⊕	Pedestal Pole Foundation (Type C)
⊕	Signal Illumination Pole Foundation (Type D)
⊕	Top of Curb
⊕	Flow Line

PROFILE OF 6'x3' BOX CULVERT



**CITY OF ADDISON**  
**COUNTY OF DALLAS, TEXAS**  
 DEPARTMENT OF PUBLIC WORKS  
**DRAINAGE STA. 78100 - 82100**  
**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 - S.M.	SCALE - H=1"=20' V=1"=5'	SHEET 42 OF