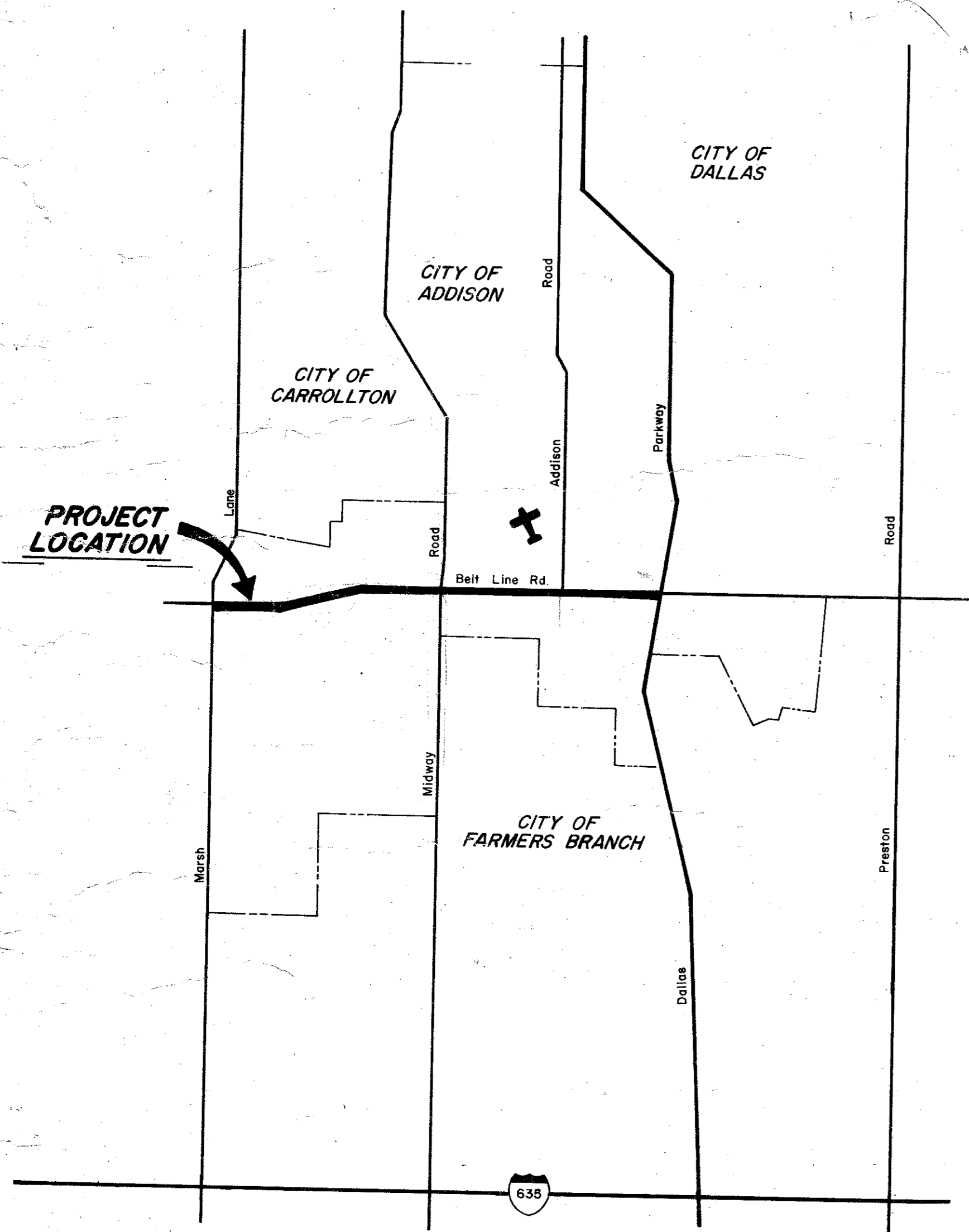


THE CITY OF ADDISON AND THE COUNTY OF DALLAS

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

RECORD
SET



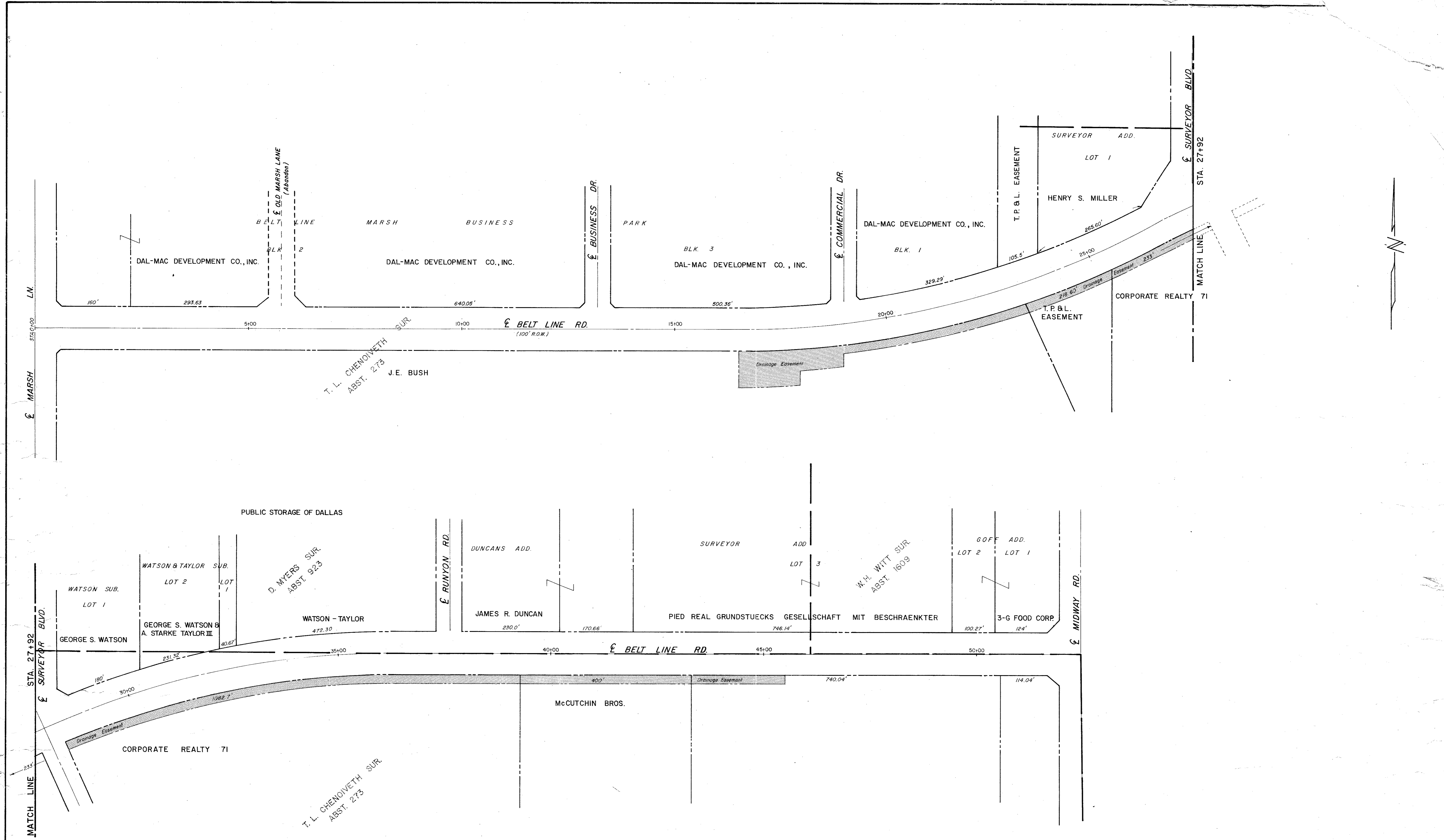
GINN INC.
CONSULTING ENGINEERS
DALLAS, TEXAS
1980

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

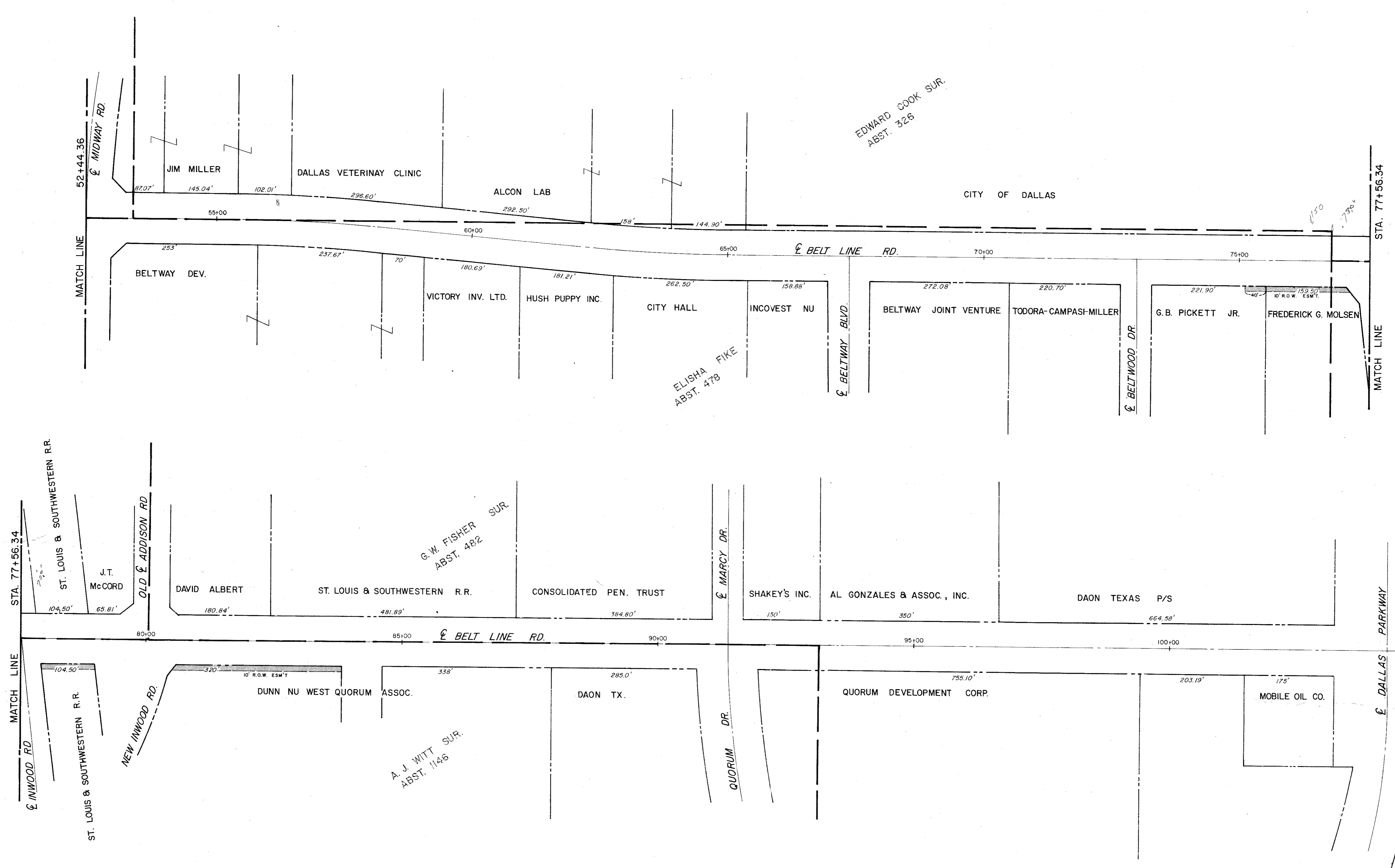
SHEET INDEX

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

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



EDWARD COOK SUR.
ABST. 326

ELISHA FIKE
ABST. 478

G.W. FISHER SUR.
ABST. 482

A.J. WITT SUR.
ABST. 1146

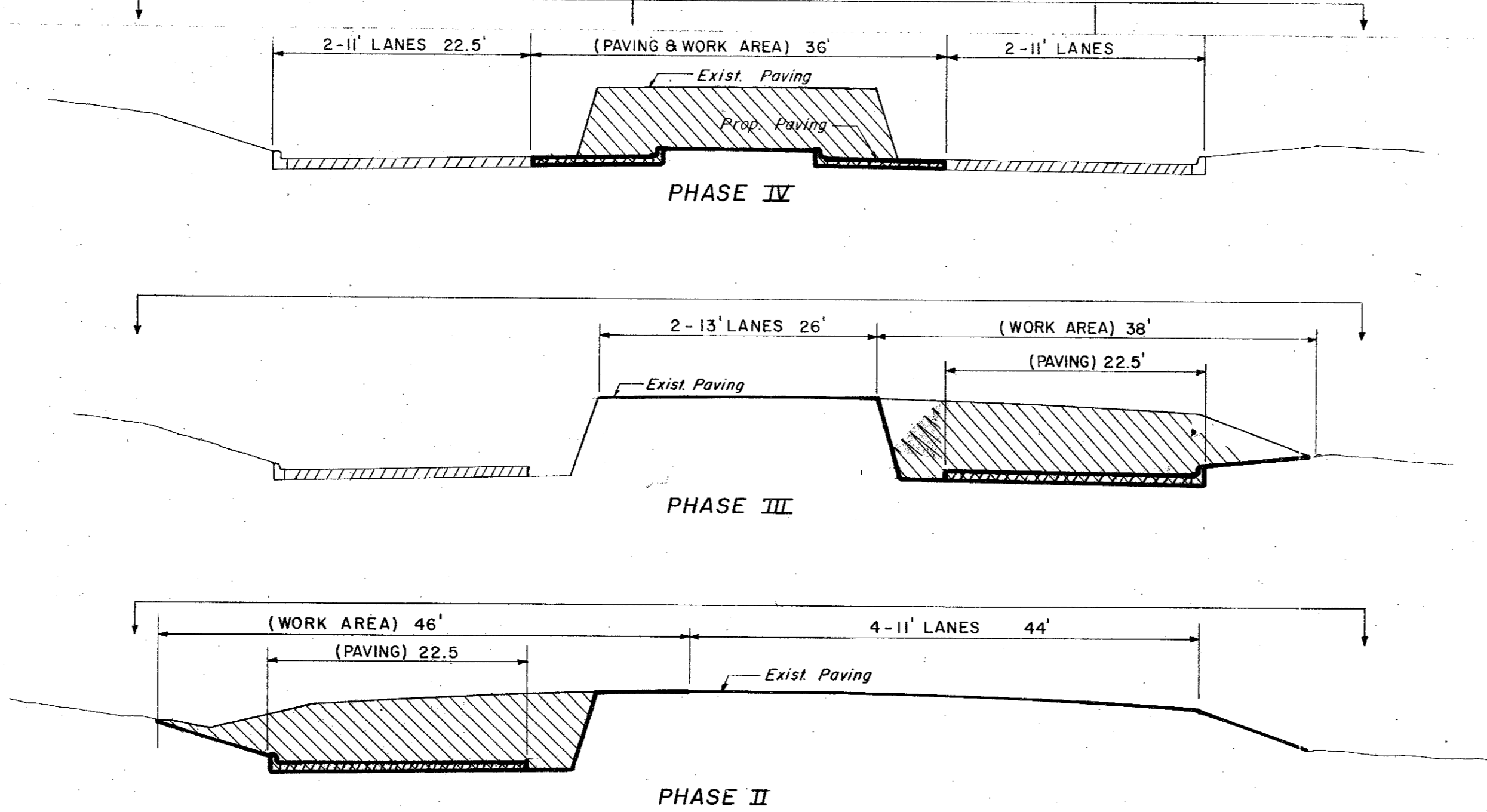
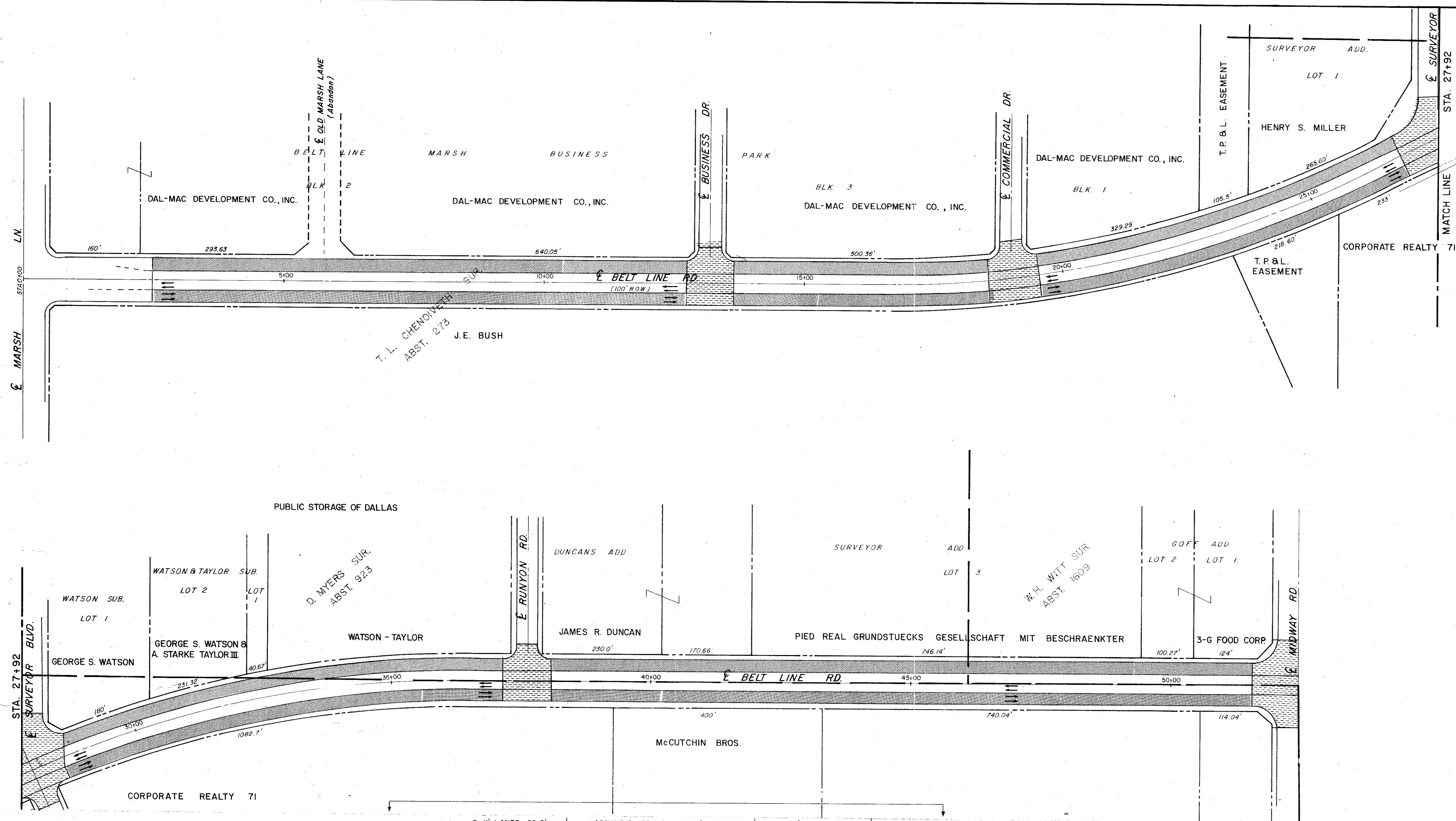
CITY OF ADDISON			
COUNTY OF DALLAS, TEXAS			
DEPARTMENT OF PUBLIC WORKS			
LOCATION: R.O.W. MAP			
BELT LINE ROAD			
MARSH LANE TO NORTH DALLAS PKWY.			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980	FILE
APPROVED-H.W.G.	CHECKED-S.M.	SCALE-1"=100'	SHEET 2 OF 2

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	P16-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

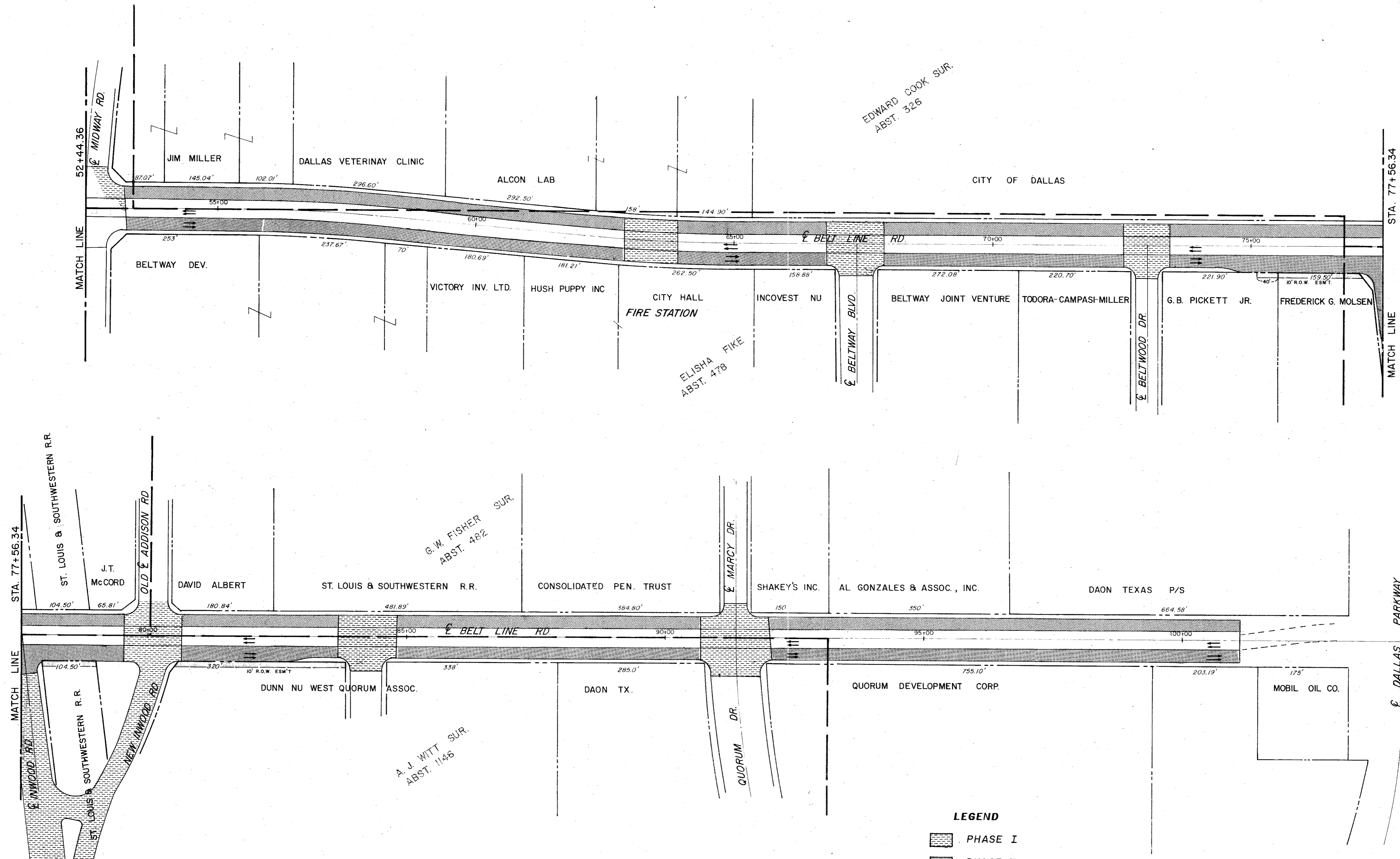
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
 SUMMARY OF QUANTITIES
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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



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

CITY OF ADDISON			
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

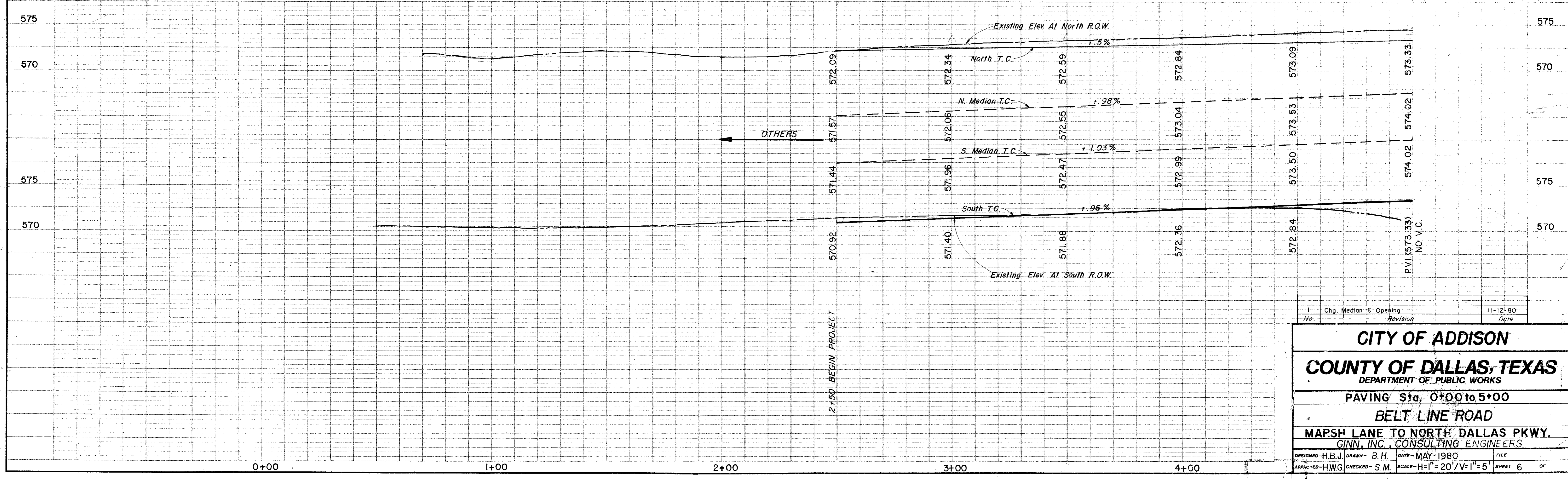
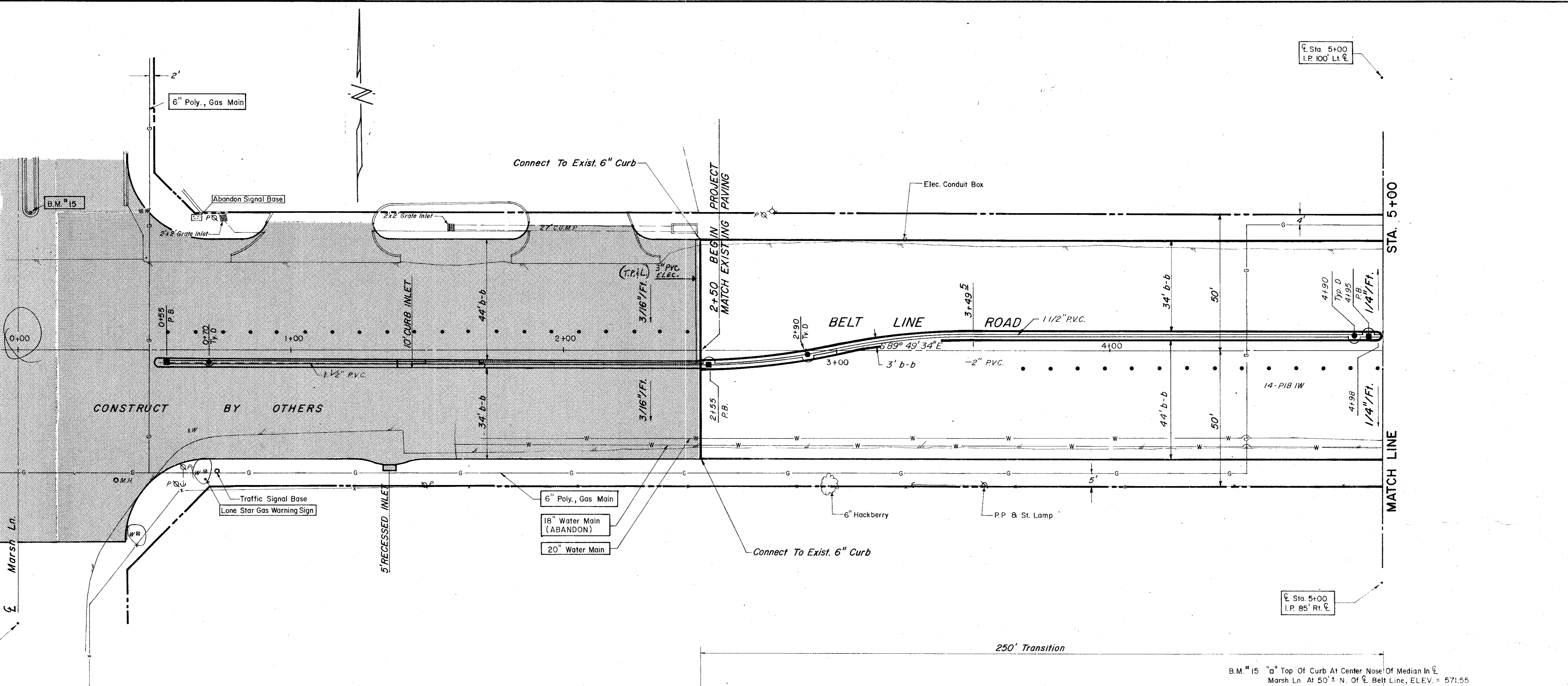
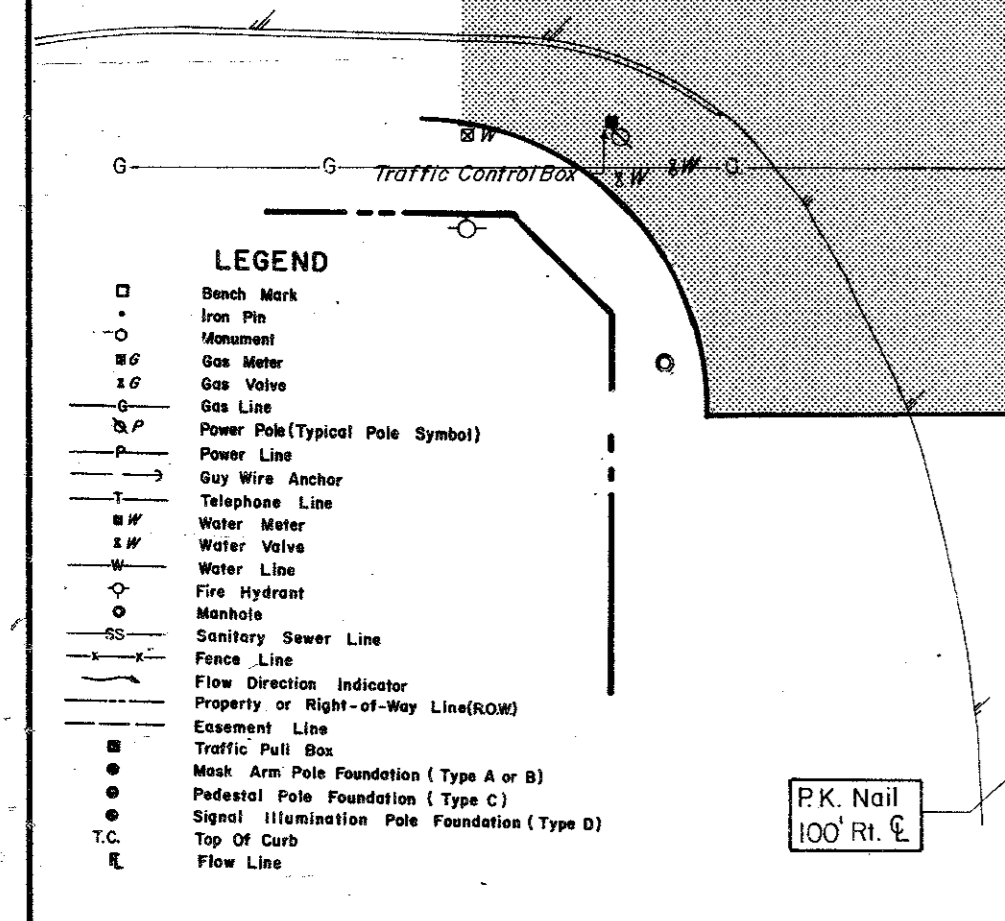


- LEGEND**
- PHASE I
 - PHASE II
 - PHASE III
 - PHASE IV

CITY OF ADDISON			
COUNTY OF DALLAS, TEXAS			
<small>DEPARTMENT OF PUBLIC WORKS</small>			
CONSTRUCTION SEQUENCE			
BELT LINE ROAD			
MARSH LANE TO NORTH DALLAS PKWY.			
GINN, INC. CONSULTING ENGINEERS			
<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

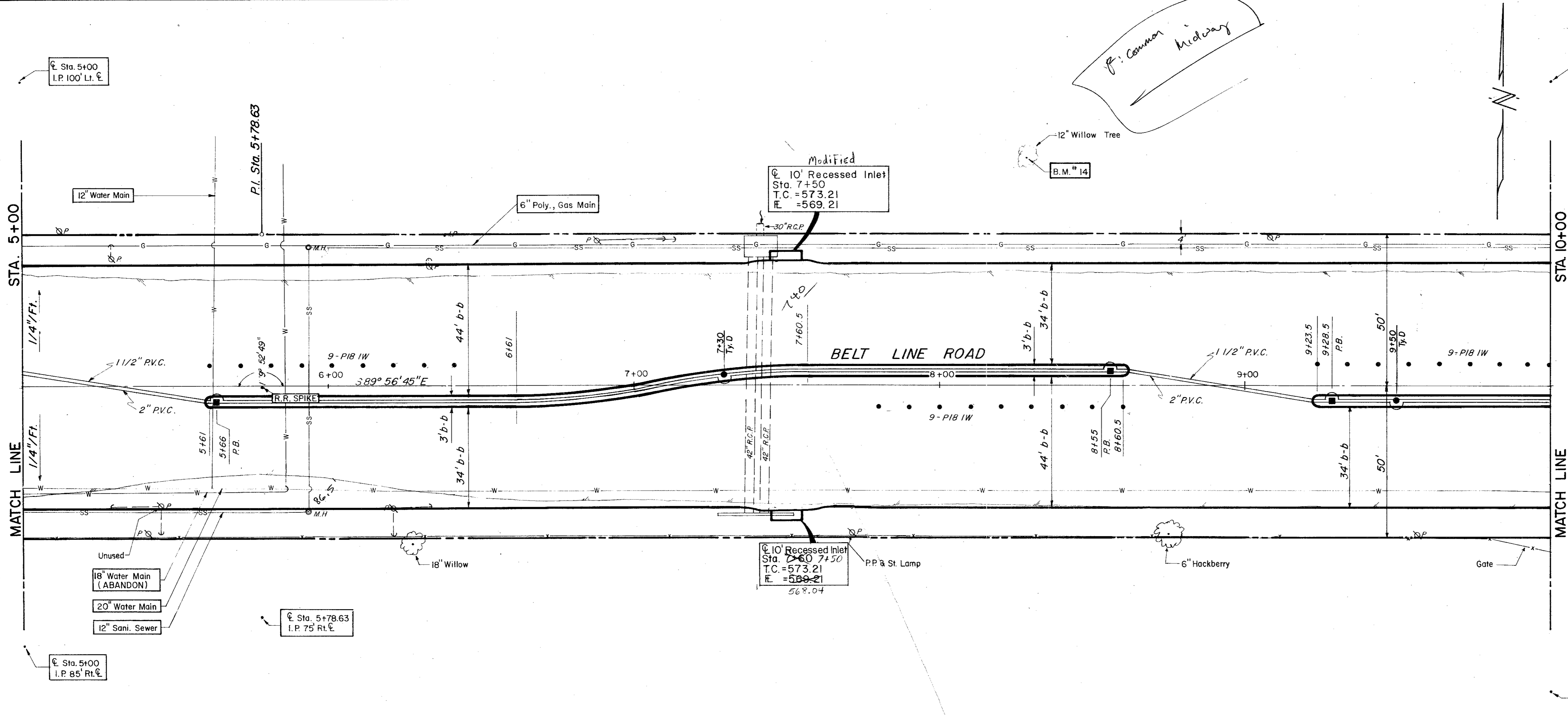
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	2.5
104.1	Remove Old Concrete, Pavement & Median	SY	---
104.2	Sawed Break-Out Groove	LF	---
110	Unclassified Road Excavation (Dens Cont.)	CY	1999.0
160	Placing 4" Topsoil	CY	31.75
248	6" Flex Base (Dens Com) (Ty A, Gr 2, Cl 3)	CY	---
260.1	Lime (Ty A) Slurry Method	Ton	25.69
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	2363
340.1	3" Hot Mix Asphalt (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



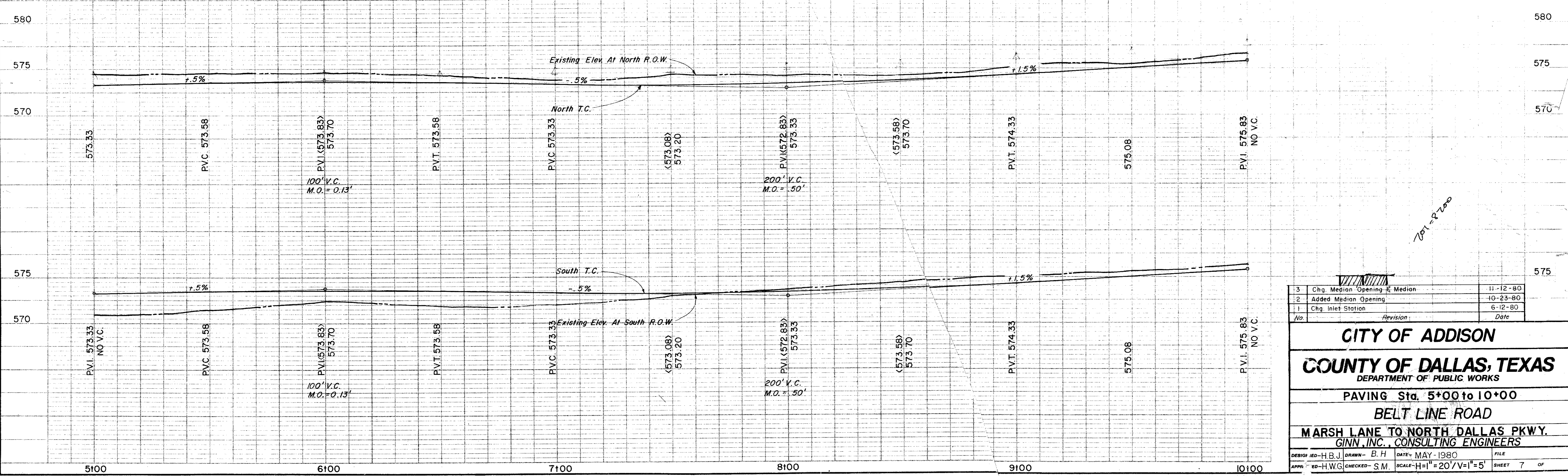
No.	Chg Median & Opening	11-12-80
	Revision	Date
CITY OF ADDISON		
COUNTY OF DALLAS, TEXAS		
DEPARTMENT OF PUBLIC WORKS		
PAVING Sta. 0+00 to 5+00		
BELT LINE ROAD		
MAPSH LANE TO NORTH DALLAS PKWY.		
GINN, INC., CONSULTING ENGINEERS		
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980
APPROVED-H.W.G.	CHECKED-S.M.	SCALE-H=1"=20'/V=1"=5'
		FILE 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
○	Monument
⊙	Gas Meter
⊙	Gas Valve
⊙	Gas Line
⊙	Power Pole (Typical Pole Symbol)
⊙	Power Line
⊙	Gay Wire Anchor
⊙	Telephone Line
⊙	Water Meter
⊙	Water Valve
⊙	Water Line
⊙	Fire Hydrant
⊙	Manhole
⊙	Sanitary Sewer Line
⊙	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

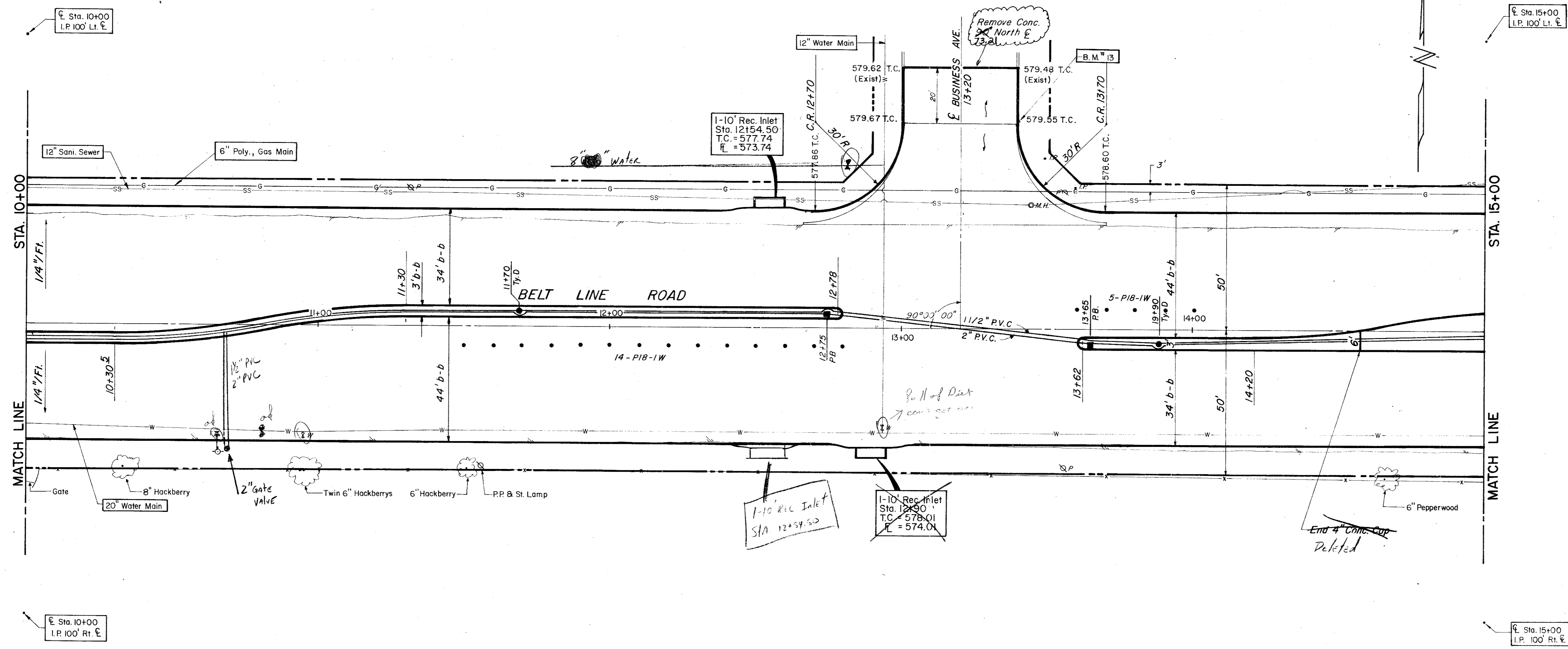
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
 PAVING Sta. 5+00 to 10+00
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

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

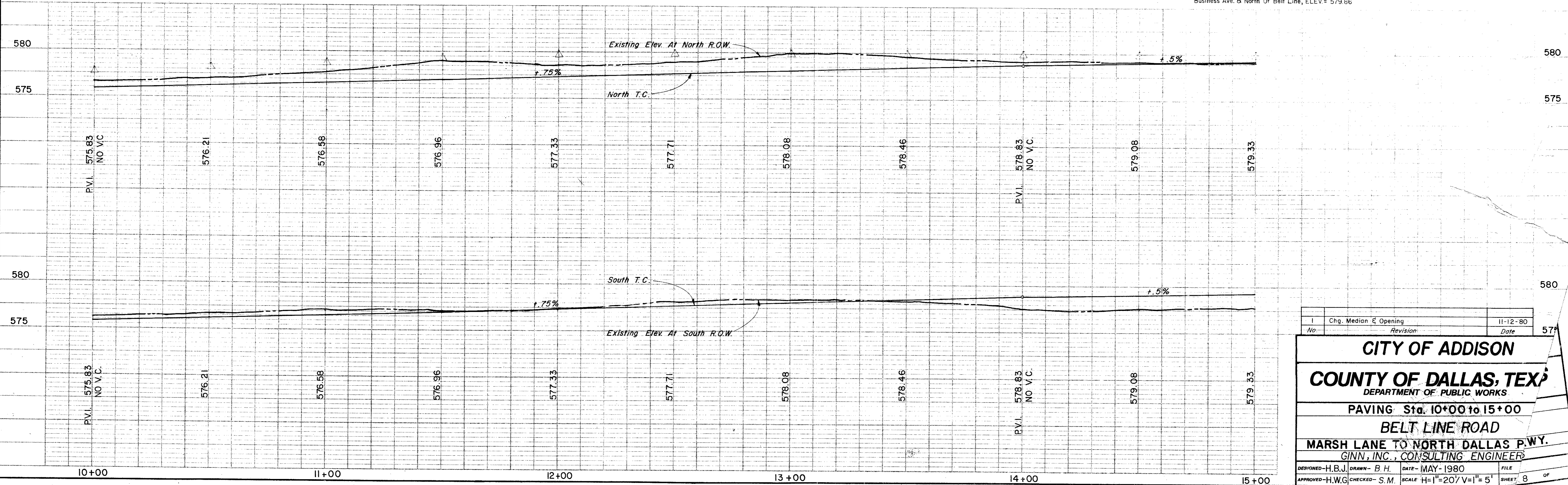
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	287
104.2	Sawed Break-Out Groove	LF	40
110	Unclassified Road Excavation (Dens Cont.)	CY	4655
160	Placing 4" Topsoil	CY	17.43
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	46.59
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3817
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	77.01
340.2	6" Hot Mix Asphalt (Ty B)	Ton	329.15
360.1	8" Conc Pavement (3000 PSI)	SY	4595
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1874
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	130
479.1	Adjust Water Valves	EA	2
479.2	Adjust Manhole	EA	1
640.5	2" P.V.C. S.C.H 40 (Conc. Encasement)	LF	45
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1 1/2" PVC Conduit, Furnish & Install	LF	505
640.2	2" PVC Conduit, Furnish & Install	LF	505
640.3	3" PVC Conduit, Furnish & Install	LF	
640.4	Pull Box, Complete In Place	EA	2
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	48
752.2	Traffic Buttons-Single Refl Ty P18-I White	EA	19
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	232

LEGEND

- Bench Mark
- Top Pin
- ⊙ Manometer
- ⊗ Gas Valve
- ⊘ Gas Valve
- ⊚ Gas Valve
- ⊛ Power Pole (Typical Pole Symbol)
- ⊜ Power Pole
- ⊝ Power Pole
- ⊞ Guy Wire Anchor
- ⊠ Telephone Pole
- ⊡ Water Meter
- ⊣ Water Valve
- ⊥ Water Valve
- ⊦ Fire Hydrant
- ⊧ Manhole
- ⊨ Sanitary Sewer Line
- ⊩ Force Line
- ⊪ Flow Direction Indicator
- ⊫ Property or Right-of-Way Line (ROW)
- ⊬ Easement Line
- ⊭ Traffic Pull Box
- ⊮ Misc. Arm Pole Foundation (Type A or B)
- ⊯ Pedestal Pole Foundation (Type C)
- ⊰ Signal Illumination Pole Foundation (Type D)
- ⊱ Top of Curb
- ⊲ Flow Line



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

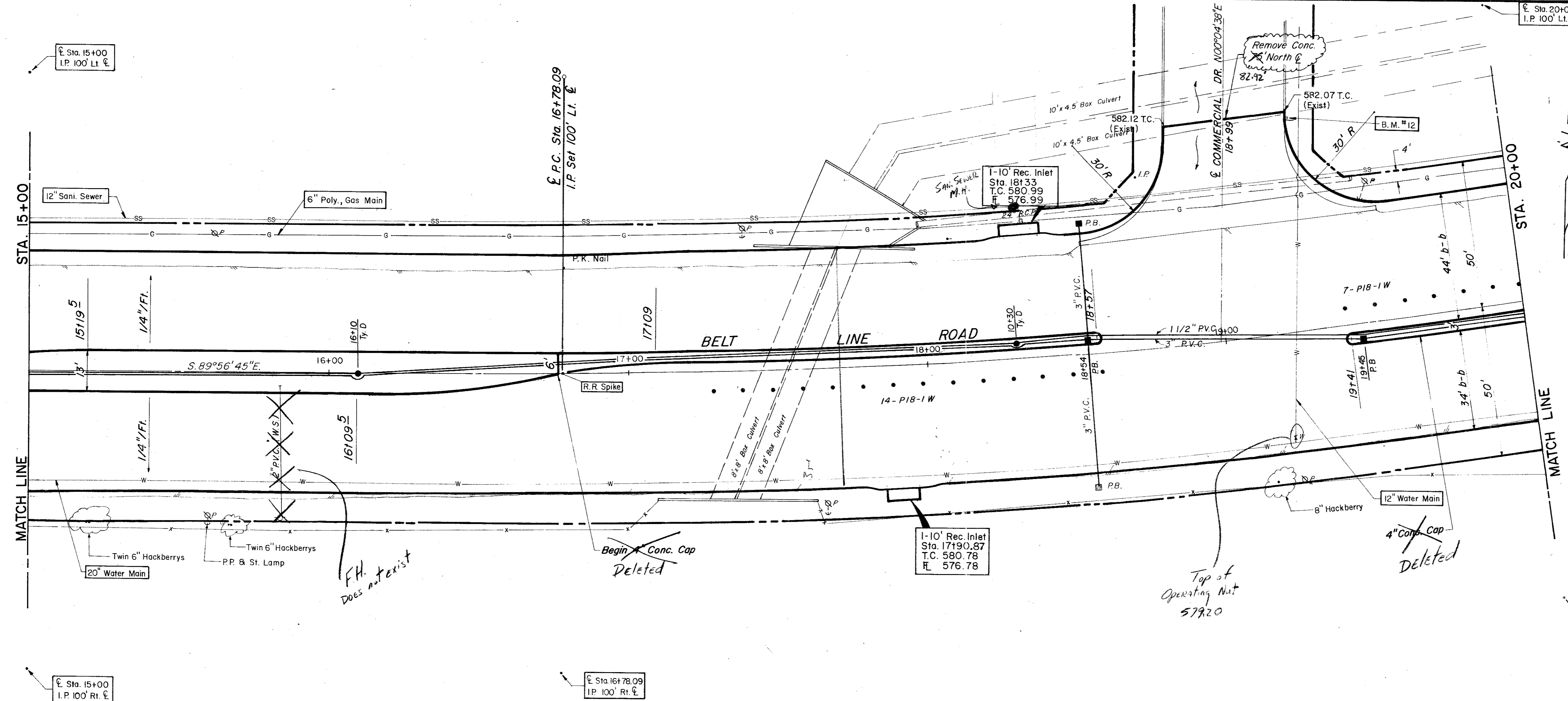
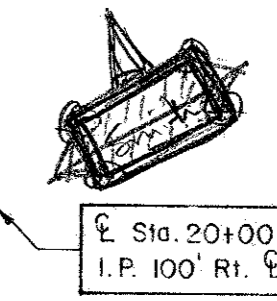


I Chg. Median & Opening		11-12-80
No.	Revision	Date
CITY OF ADDISON		
COUNTY OF DALLAS, TEXAS		
DEPARTMENT OF PUBLIC WORKS		
PAVING Sta. 10+00 to 15+00		
BELT LINE ROAD		
MARSH LANE TO NORTH DALLAS P.W.Y.		
GINN, INC., CONSULTING ENGINEERS		
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980
APPROVED-H.W.G.	CHECKED-S.M.	SCALE H=1"=20' V=1"=5'

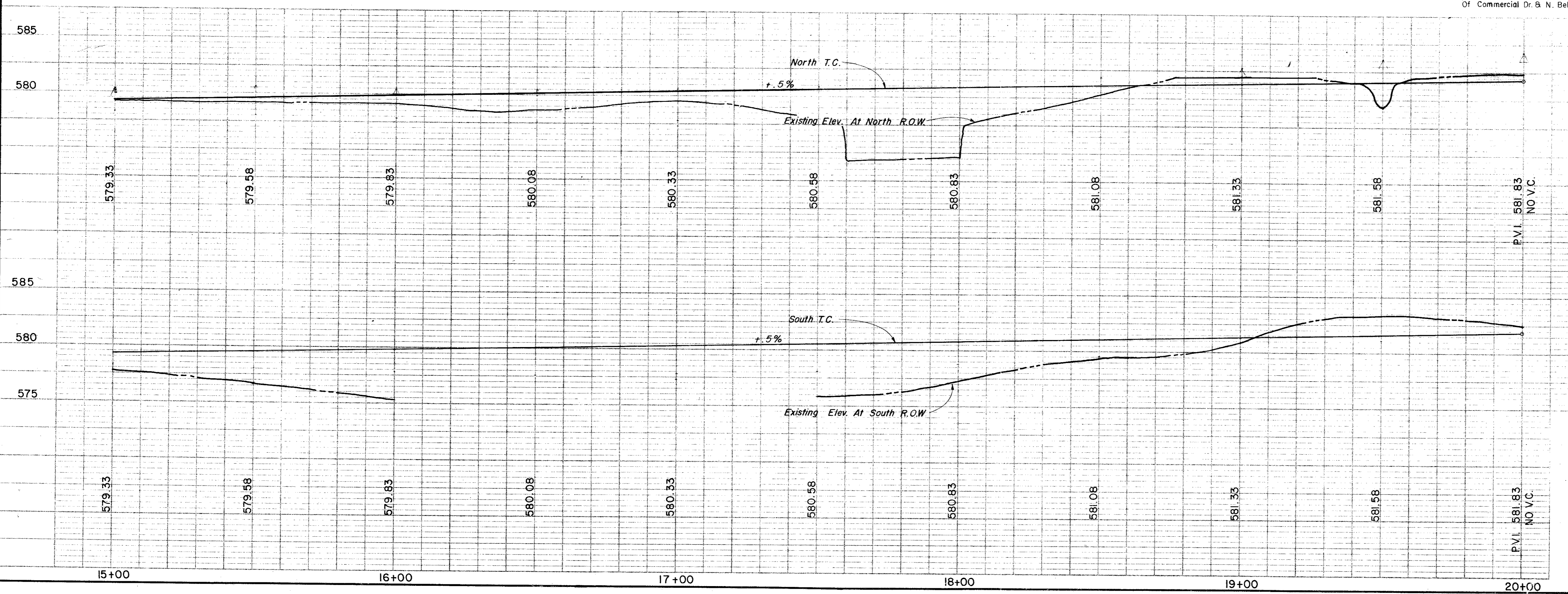
FILE SHEET 8 OF

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

LEGEND	
□	Bench Mark
•	Iron Pin
○	Monument
⊙	Gas Meter
⊕	Gas Valve
⊖	Gas 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



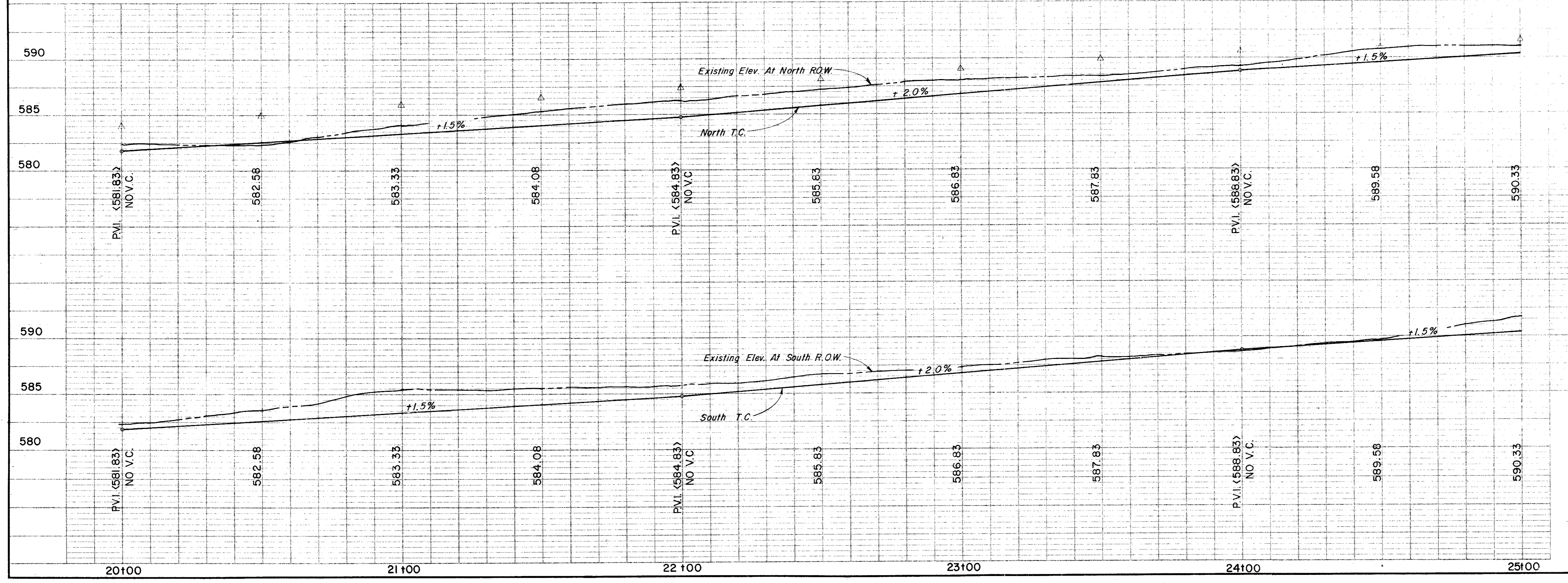
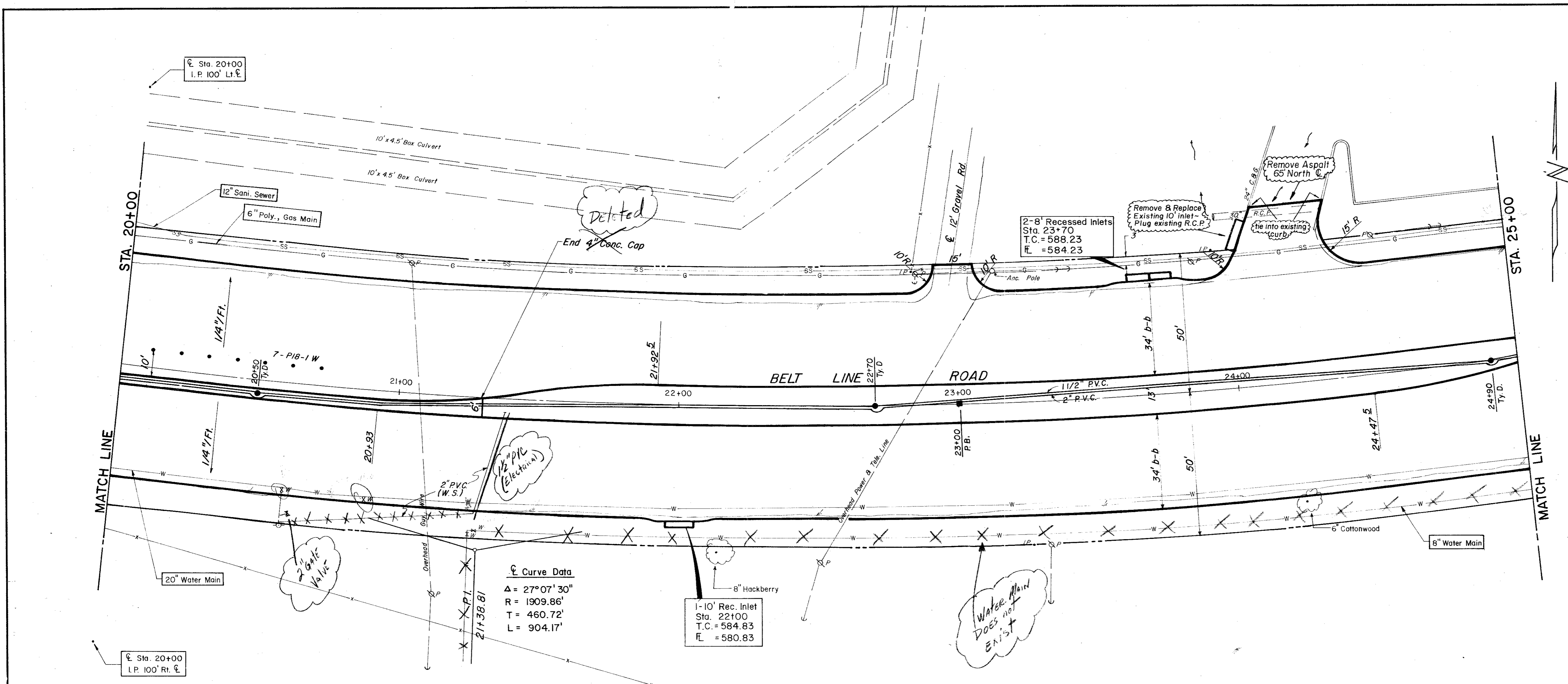
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

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

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 Asphalt (Ty D) Resurf Shoulder	Ton	91.68
340.2	6" Hot Mix Asphalt (Ty B)	Ton	---
360.1	8" Conc Pavement (3000 PSI)	SY	3991.67
360.2	6" Conc Monolithic Curb(3000 PSI)	LF	1839
360.3	4" Non-Reinf Conc In Median(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 Pipe 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)
—	Top of Curb
—	Flow Line



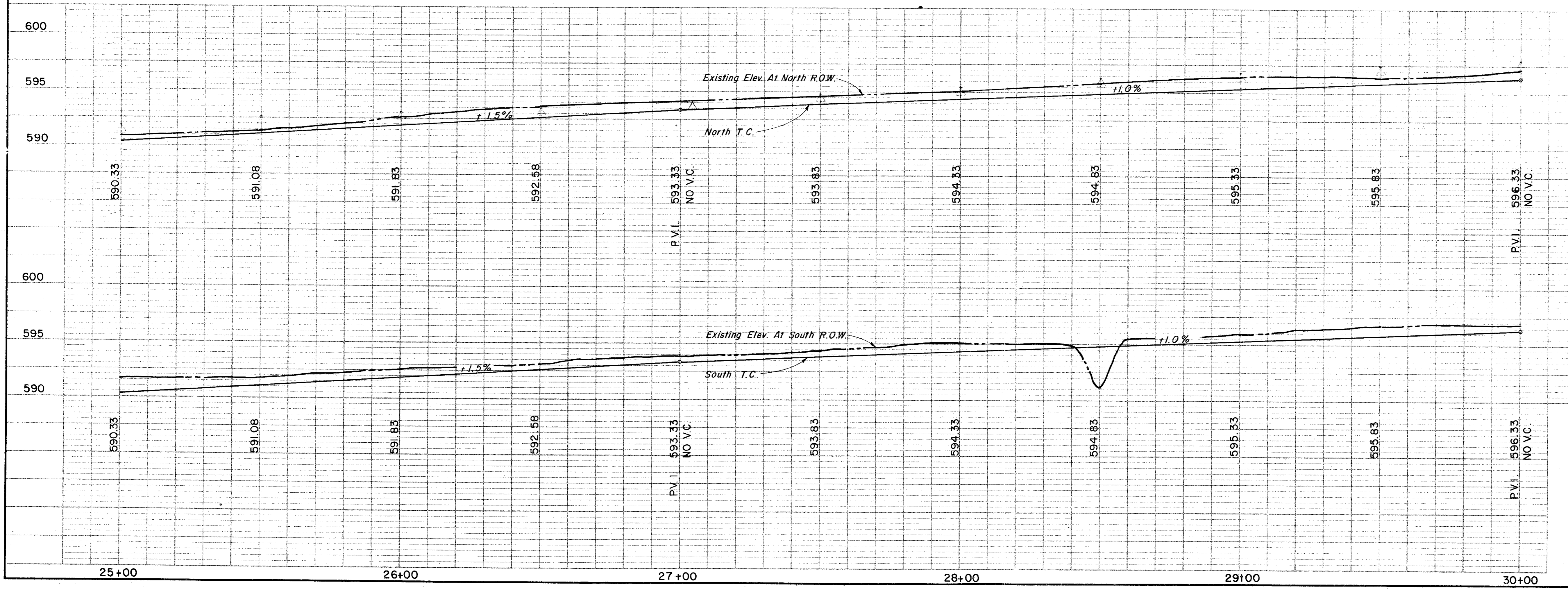
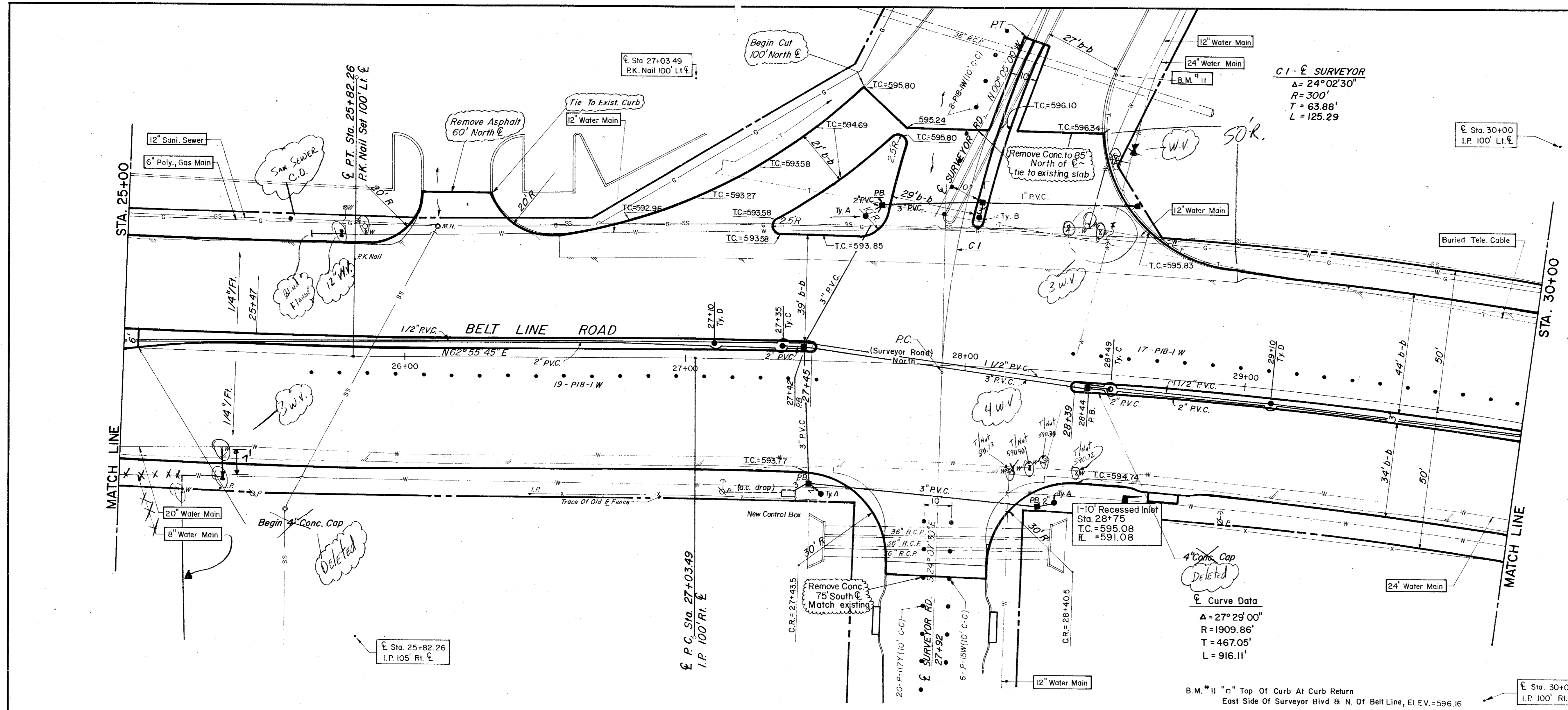
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

PAVING Sta.20+00 to 25+00
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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 P18-1 White	EA	44
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	200

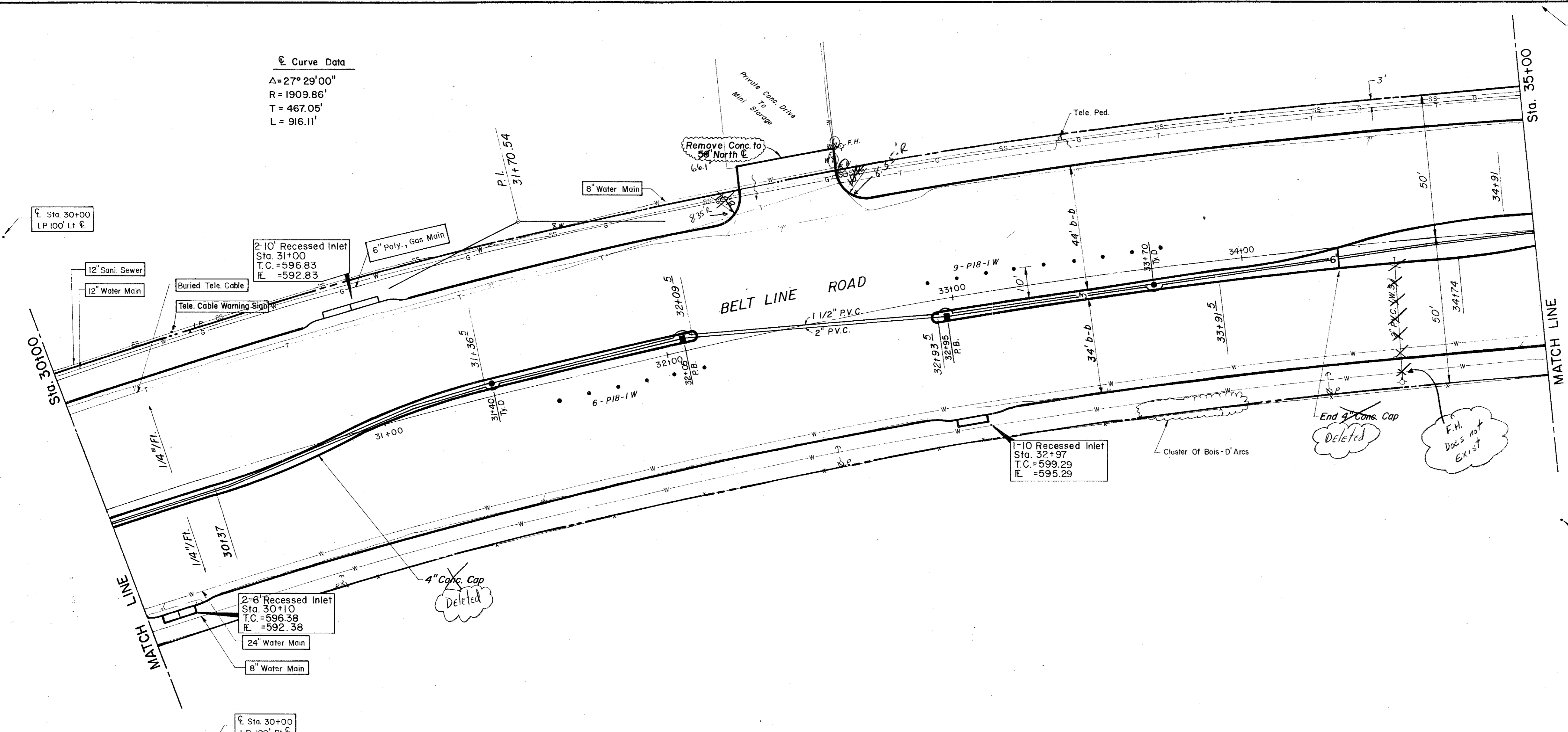
LEGEND	
○	Beach Mark
●	Iron Pin
—	Manhole
—	Gas Main
—	Gas Valve
—	Gas Line
—	Power Pole (Typical Pole Symbol)
—	Power Line
—	Guy Wire Anchor
—	Telephone Line
—	Water Valve
—	Water Line
—	Fire Hydrant
—	Manhole
—	Sanitary Sewer Line
—	Fence Line
—	Flow Direction Indicator
—	Property or Right-of-Way Line(R.O.W)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

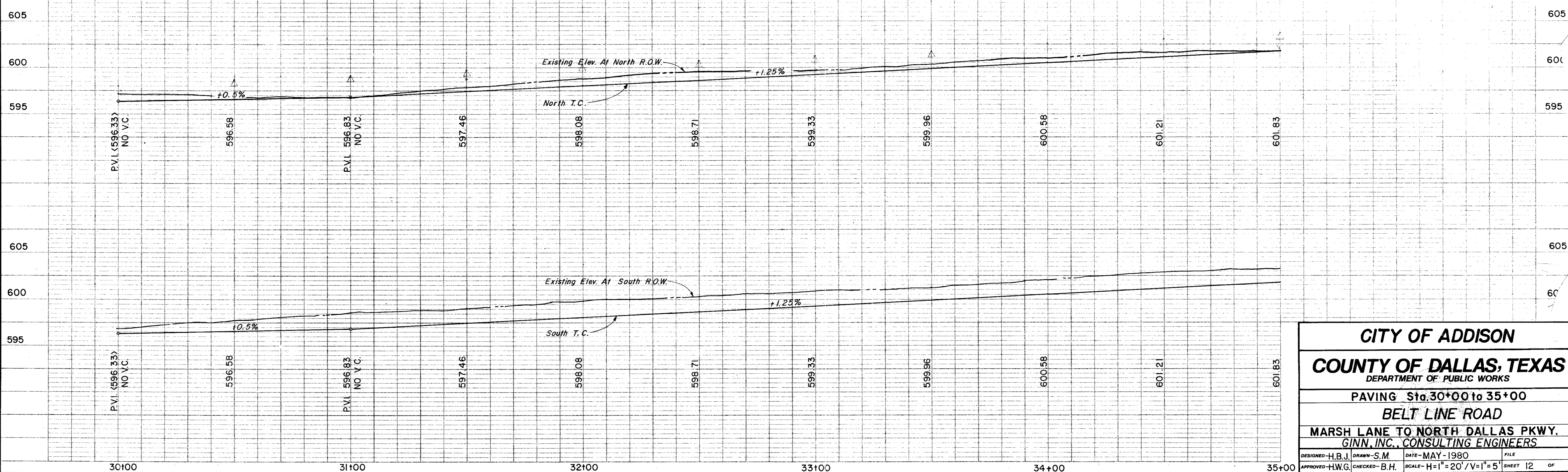
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 $T = 467.05'$
 $L = 916.11'$



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	4262
110	Unclassified Road Excavation (Dens Cont.)	CY	9.19
160	Placing 4" Topsoil	CY	—
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	TON	56.53
260.1	Lime (Ty A) Slurry Method	SY	4522.73
260.2	6" Lime Treated Subgrade (Dens Cont)	TON	91.68
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	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



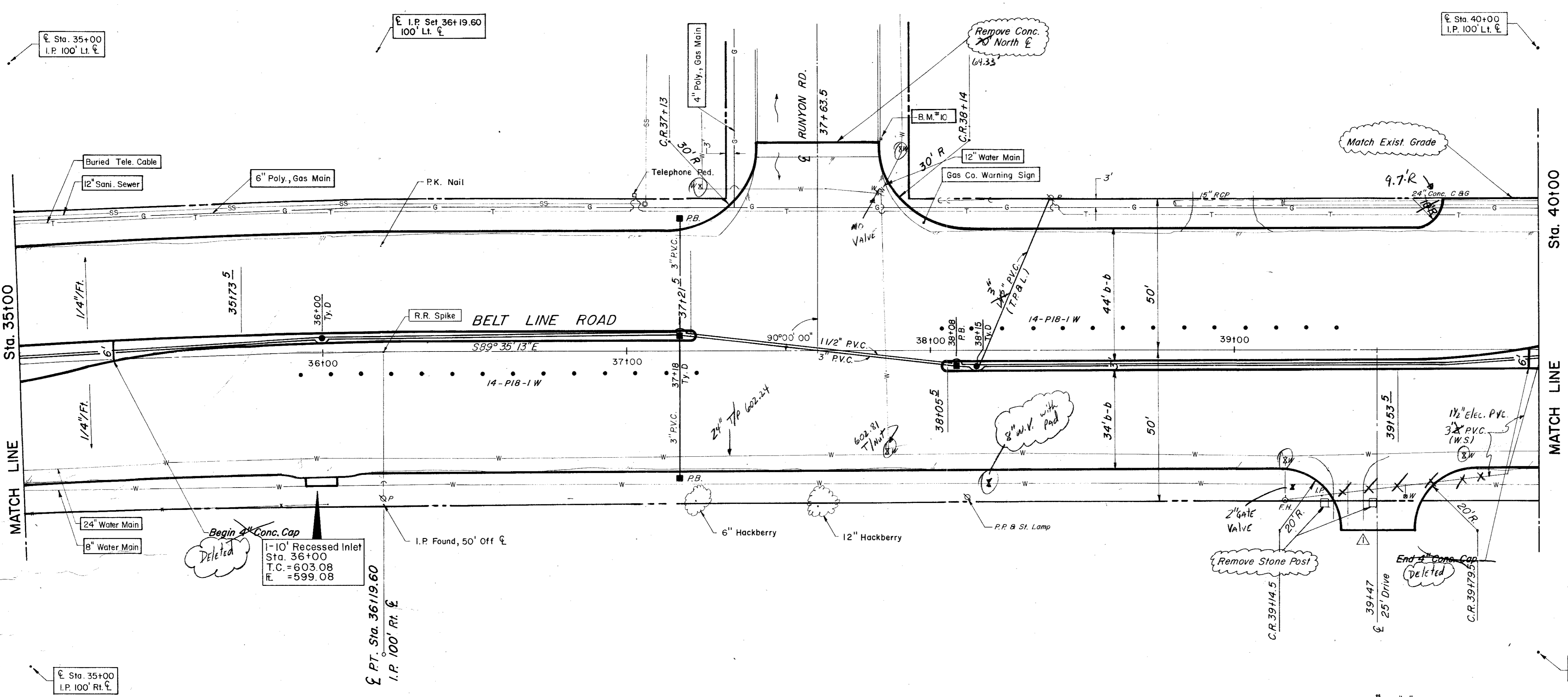
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

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

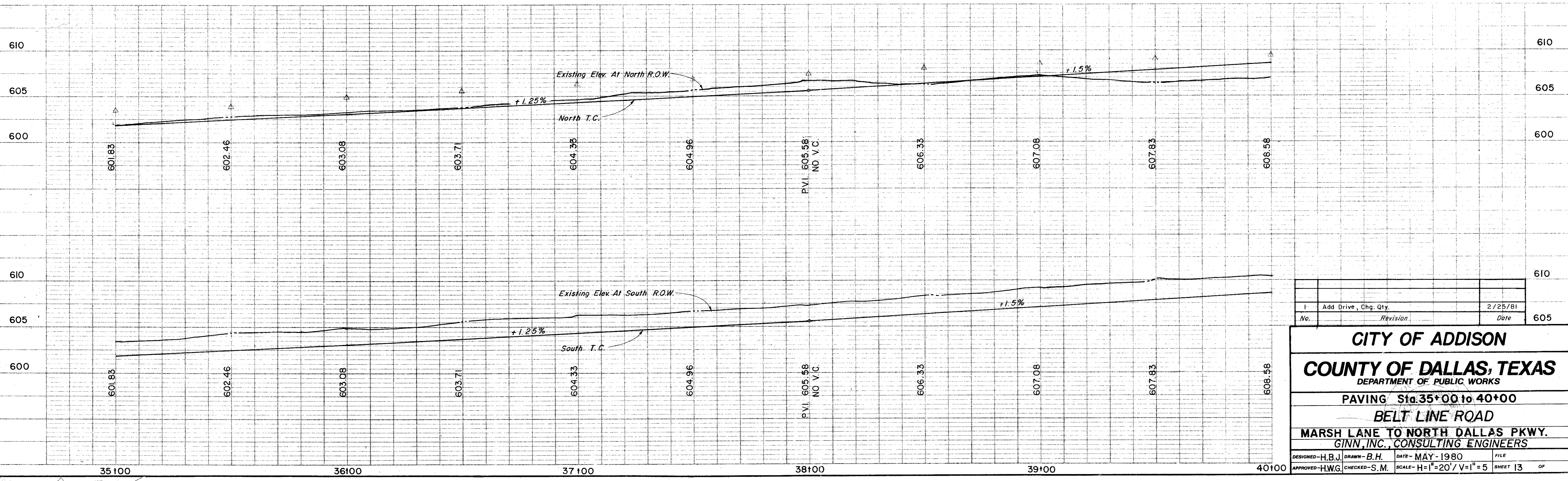
DESIGNED-H.B.J. DRAWN-S.M. DATE-MAY-1980 FILE
 APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20'/V=1"=5' SHEET 12 OF

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 Asph (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	
○	Manch Mark
●	Iron Pin
○	Manch
○	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 Post
○	Manch from 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



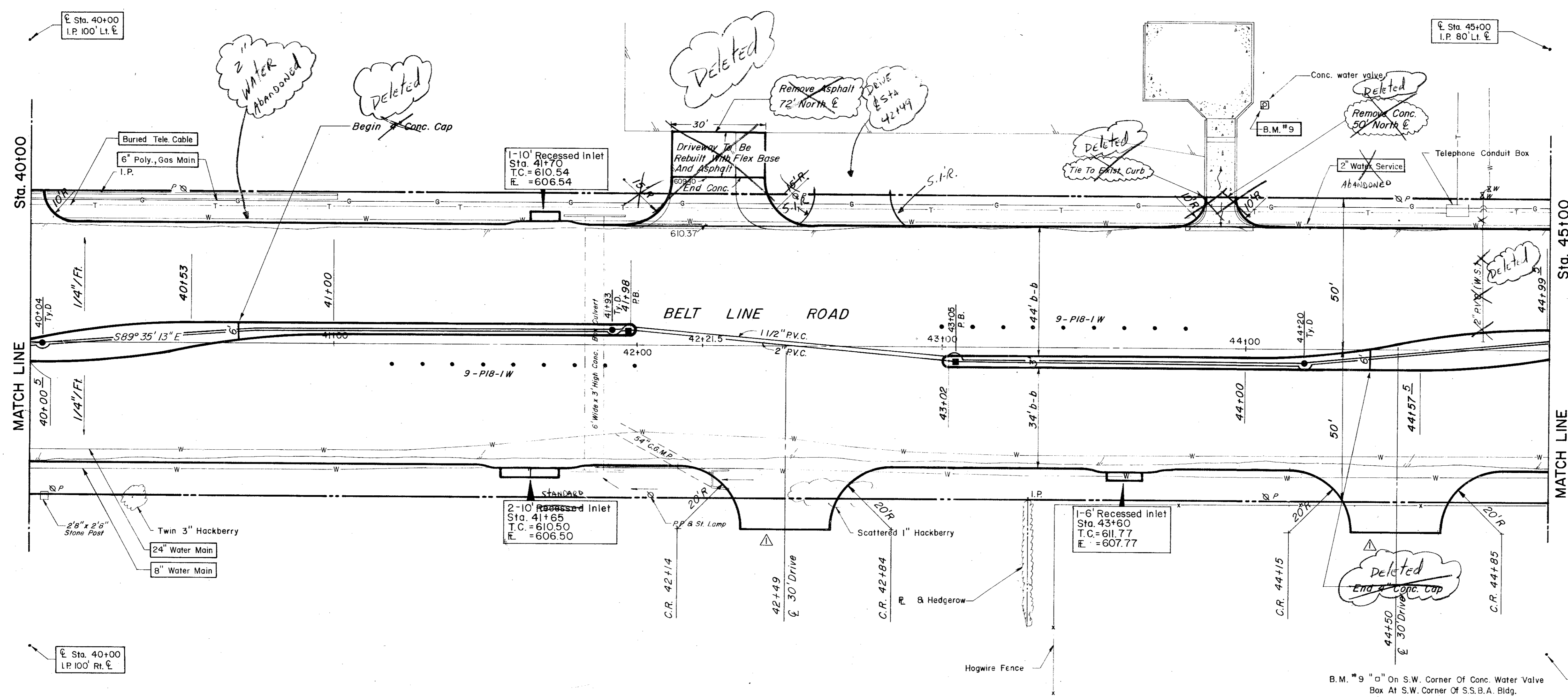
No.	Revision	Date
1	Add Drive, Chg. Qty.	2/25/81

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

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

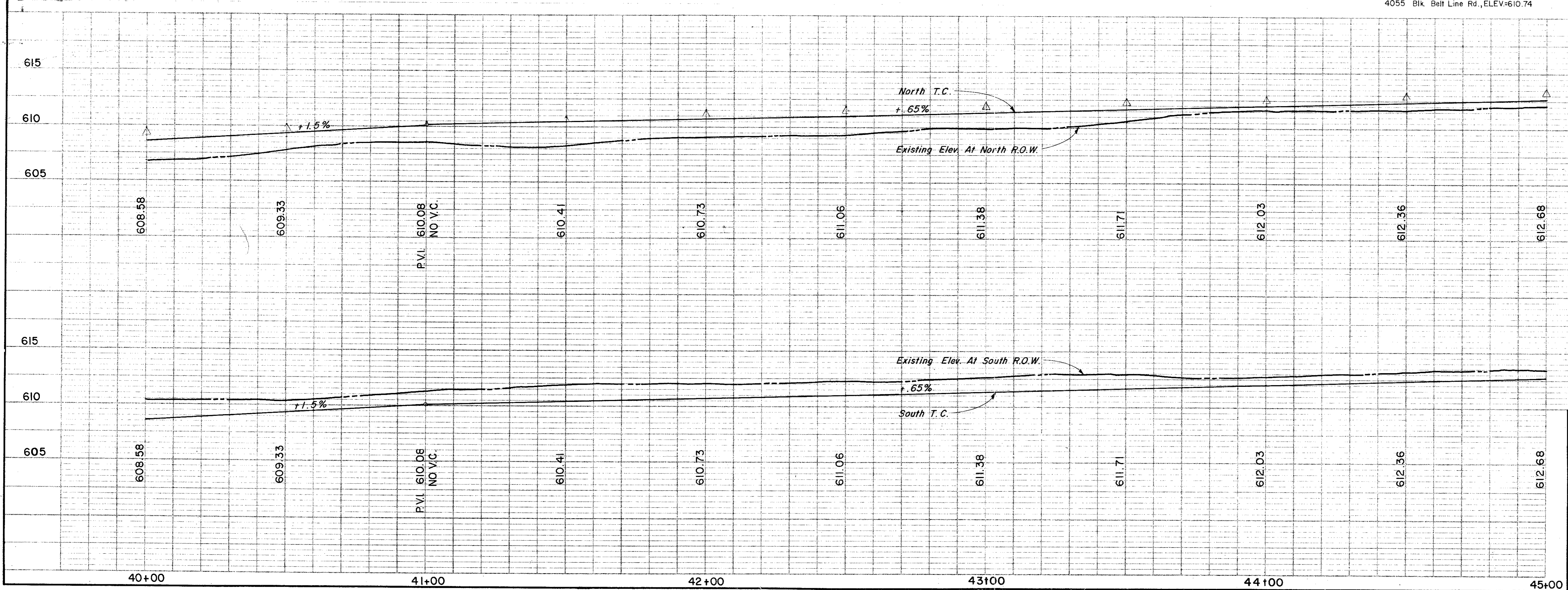
MARSH LANE TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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

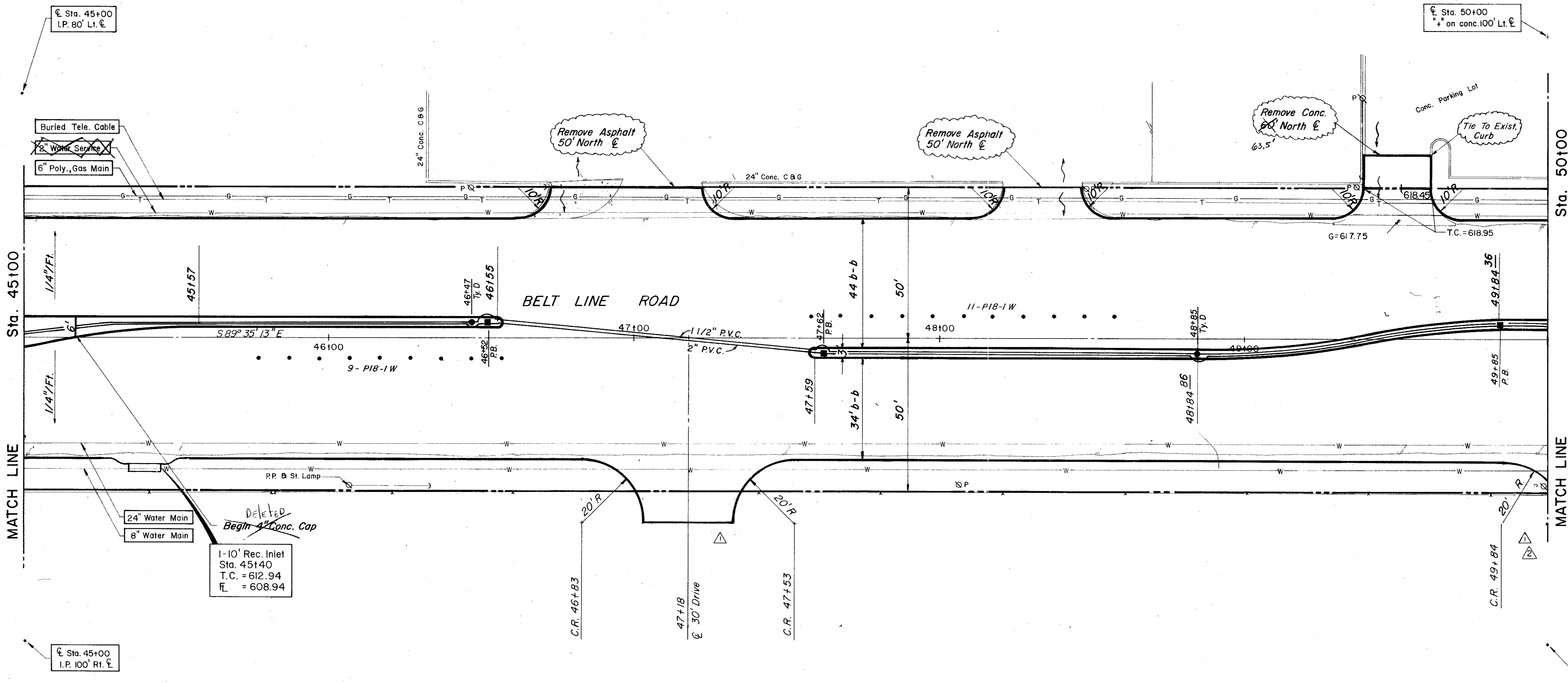
LEGEND	
□	Dech Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Guy Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sewer Line
○	Fence Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (R.O.W.)
○	Essence Line
○	Traffic Pole Box
○	Manhole 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

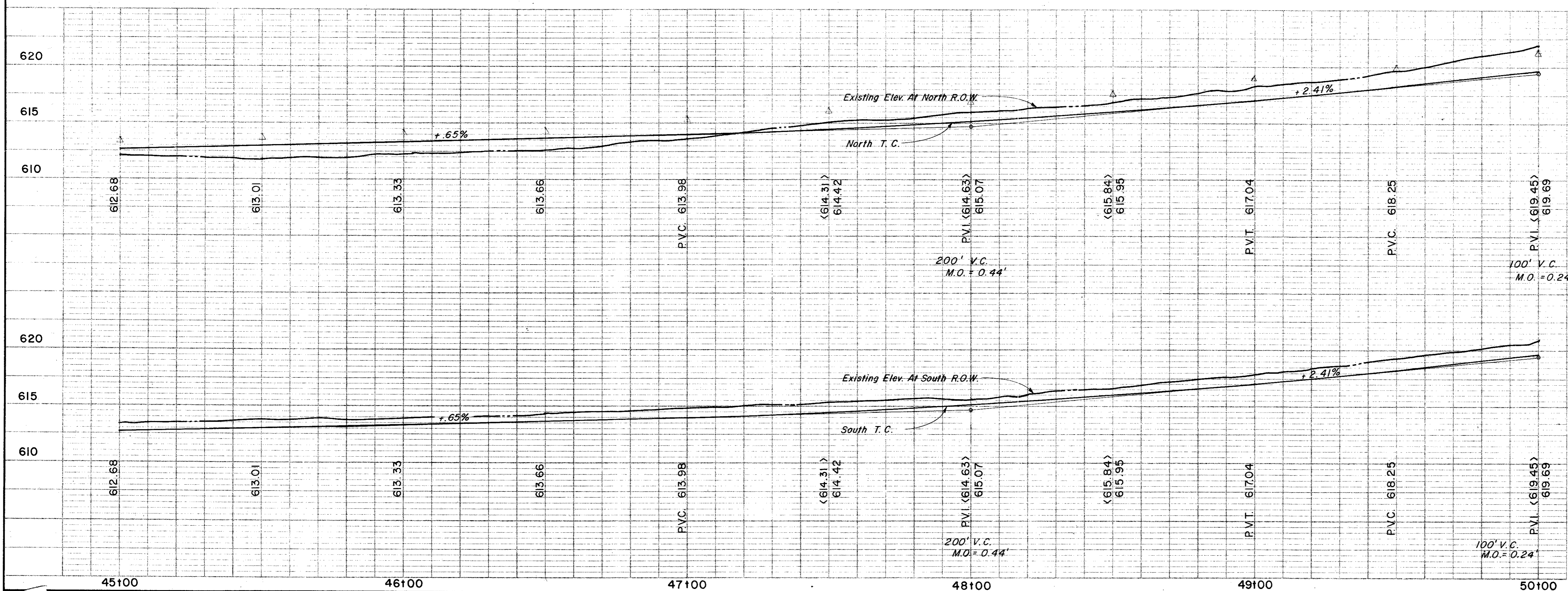
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
PAVING Sta. 40+00 to 45+00
BELT LINE ROAD
MARSH LANE TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

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 Asp (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 (3000 PSI)	SY	244.94
630.1	Foundation (Ty A) Traffic Sig In Place	EA	---
630.2	Foundation (Ty B) Traffic Sig In Place	EA	---
630.3	Foundation (Ty C) Traffic Sig In Place	EA	---
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2\" PVC Conduit, Furnish & Install	LF	500
640.2	2\" PVC Conduit, Furnish & Install	LF	500
640.3	3\" PVC Conduit, Furnish & Install	LF	---
640.4	Pull Box, Complete In Place	EA	3
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	48
752.2	Traffic Buttons-Single Refl Ty P18-1 White	EA	20
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	240

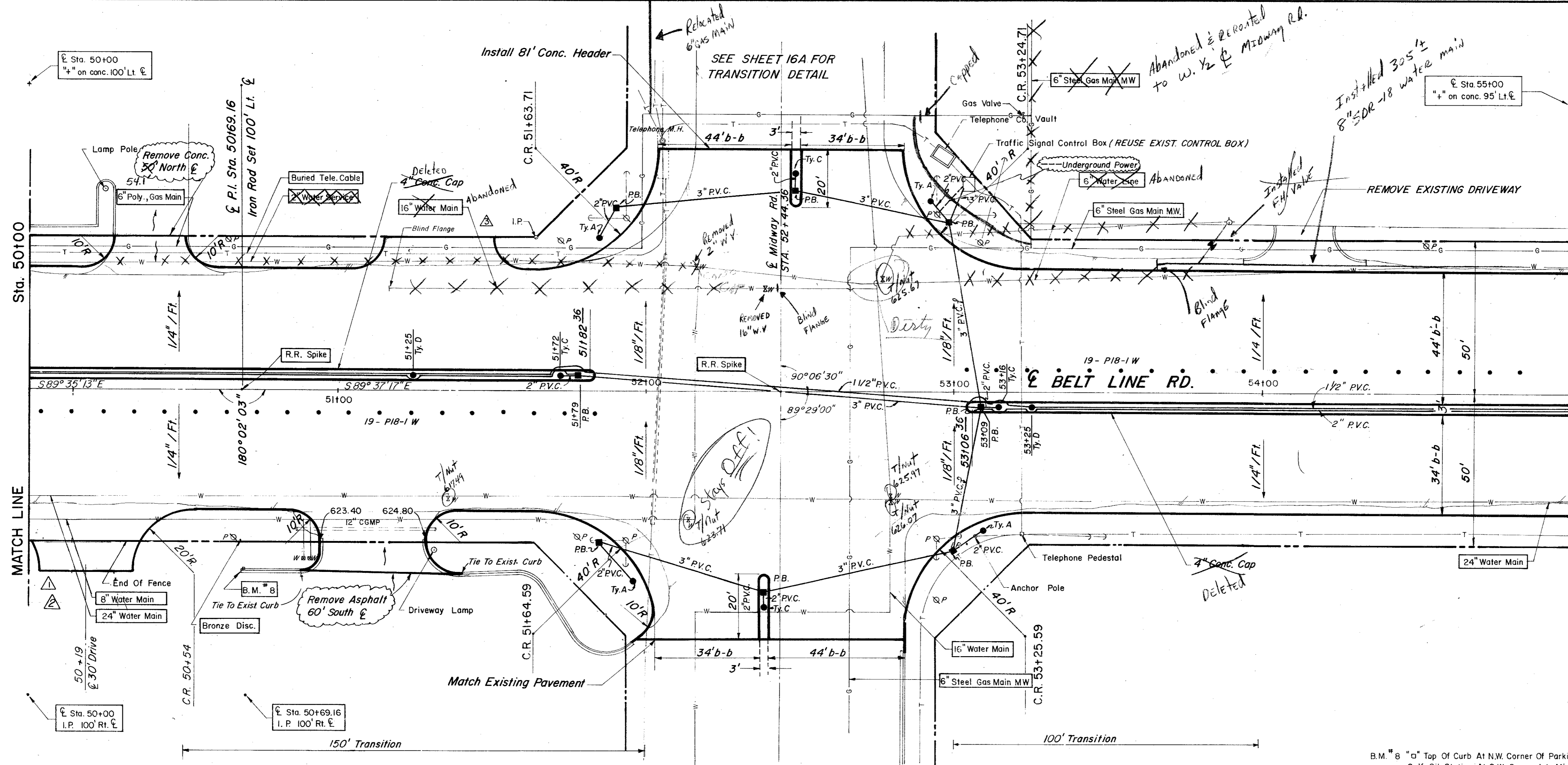
LEGEND	
□	Bench Mark
○	Iron Pin
○	Manhole
W	Gas Meter
W	Gas Valve
W	Gas Line
W	Power Pole (Typical Pole Symbol)
W	Power Line
W	Eye Wire Anchor
W	Telephone Line
W	Water Meter
W	Water Valve
W	Water Line
W	Fire Hydrant
W	Manhole
W	Sanitary Sewer Line
W	Fence Line
W	Flow Direction Indicator
W	Property or Right-of-Way Line (ROW)
W	Construction Line
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 Date	3-4-81 2/25/81 615
--------------------------------------------------------------------	------------------	--------------------------

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

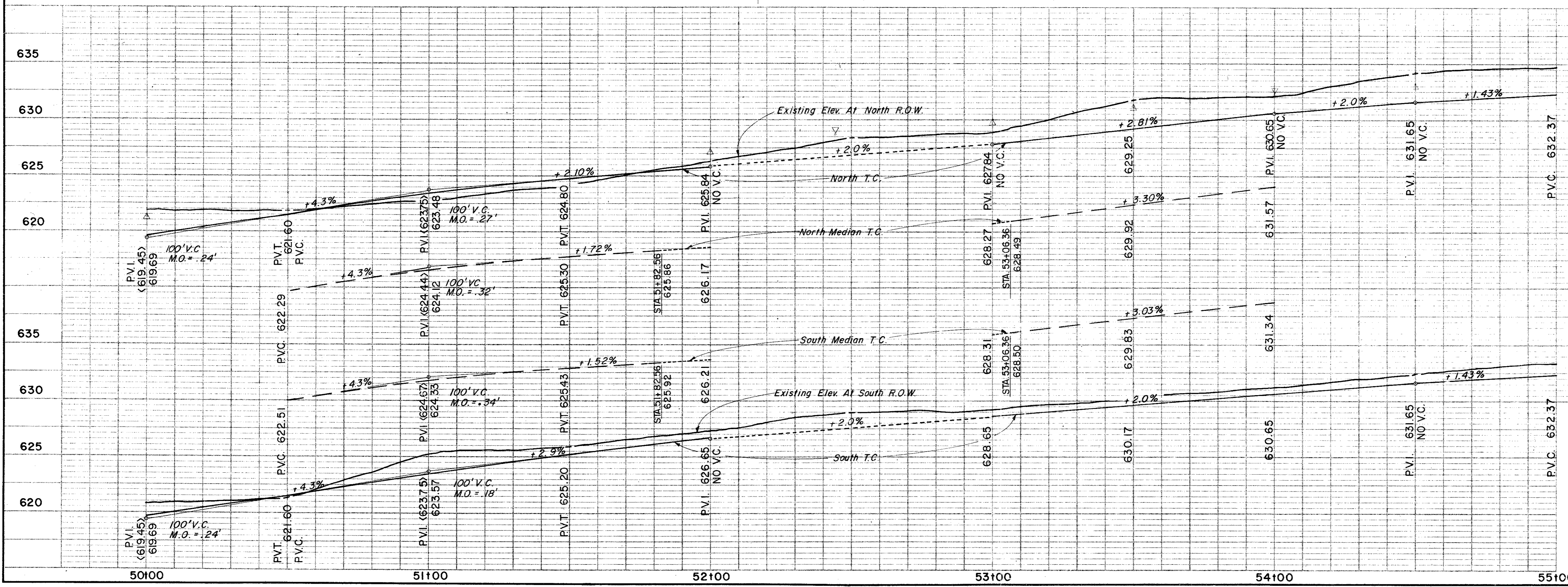
DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1980 FILE
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20' V=1"=5' SHEET 15 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100.	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	59
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 Asphalt (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	
□	Bench Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Gas Wkt Anchor
○	Telephone Pole
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Face Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (R.O.W.)
○	Excavation Line
○	Traffic Pole Box
○	Mon. 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. "B" 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



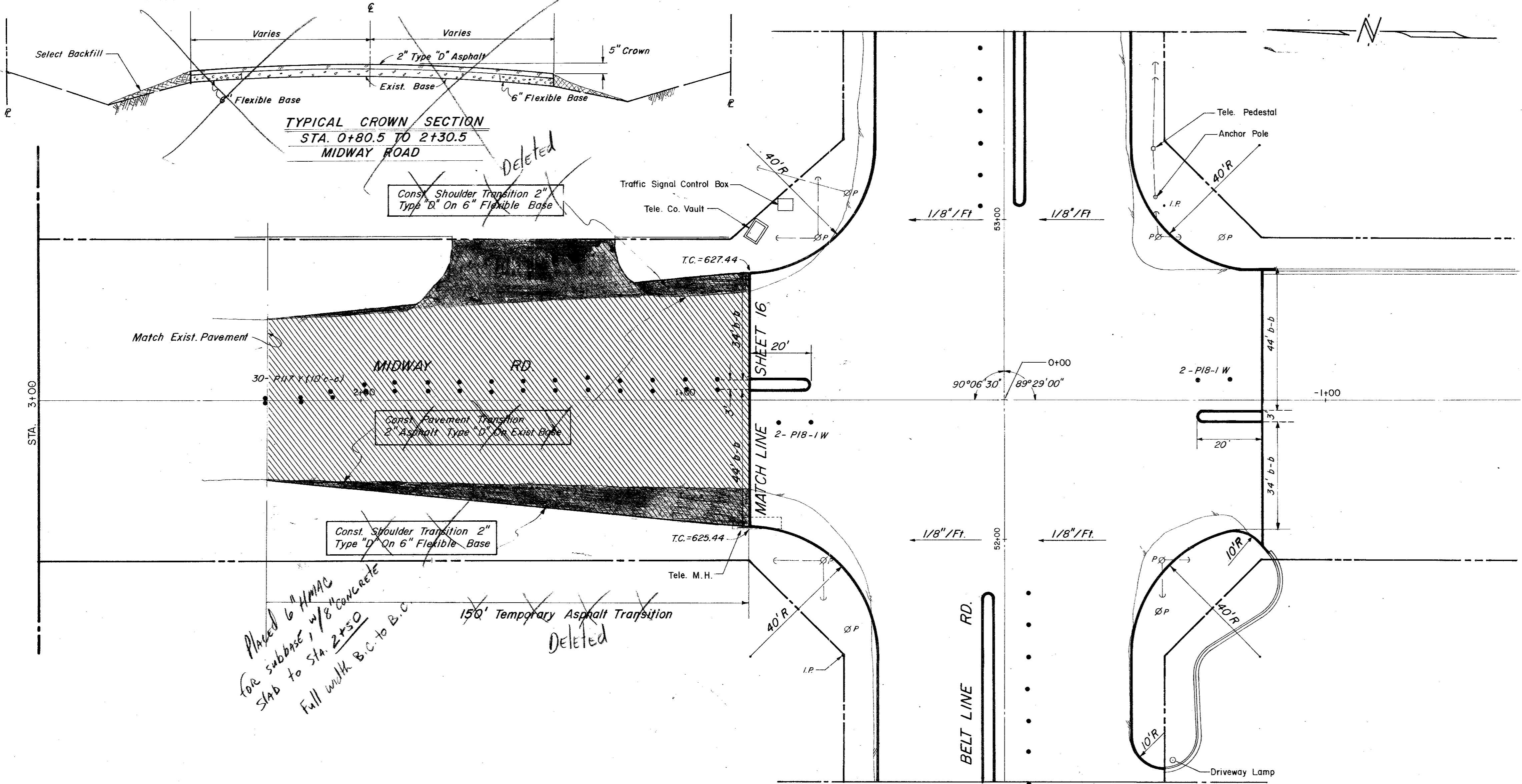
3	Add Drive - 51+35	7
4	Moved drive 5' East	3
5	Add Drive + 50+14, Chg Qty.	27
No.	Revision	

CITY OF ADDISO
COUNTY OF DALLAS,
 DEPARTMENT OF PUBLIC WORK

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

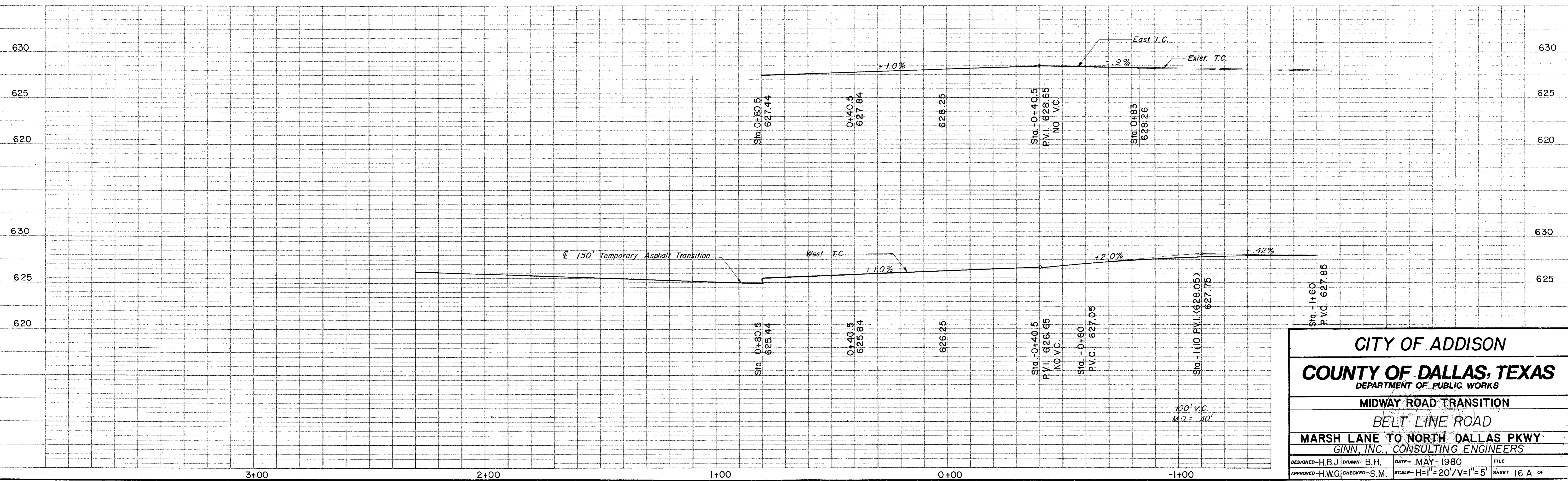
MARSH LANE TO NORTH DAI
 GINN, INC., CONSULTING EN

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,C13)	CY	30
260.1	Lime (Ty A) Slurry Method	Ton	
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	
340.1	3" Hot Mix 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(2000PSI)	SY	
340.3	2" Hot Mix Asphalt(Ty D) Transition	Ton	220.08
752.3	Traffic Buttons - Dbl. Refl., Ty P17 Yellow	EA	30
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc(3000PSI)	SY	
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	
640.1	1/2" PVC Conduit, Furnish & Install	LF	
640.2	2" PVC Conduit, Furnish & Install	LF	
640.3	3" PVC Conduit, Furnish & Install	LF	
640.4	Pull Box, Complete In Place	EA	
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	4
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	

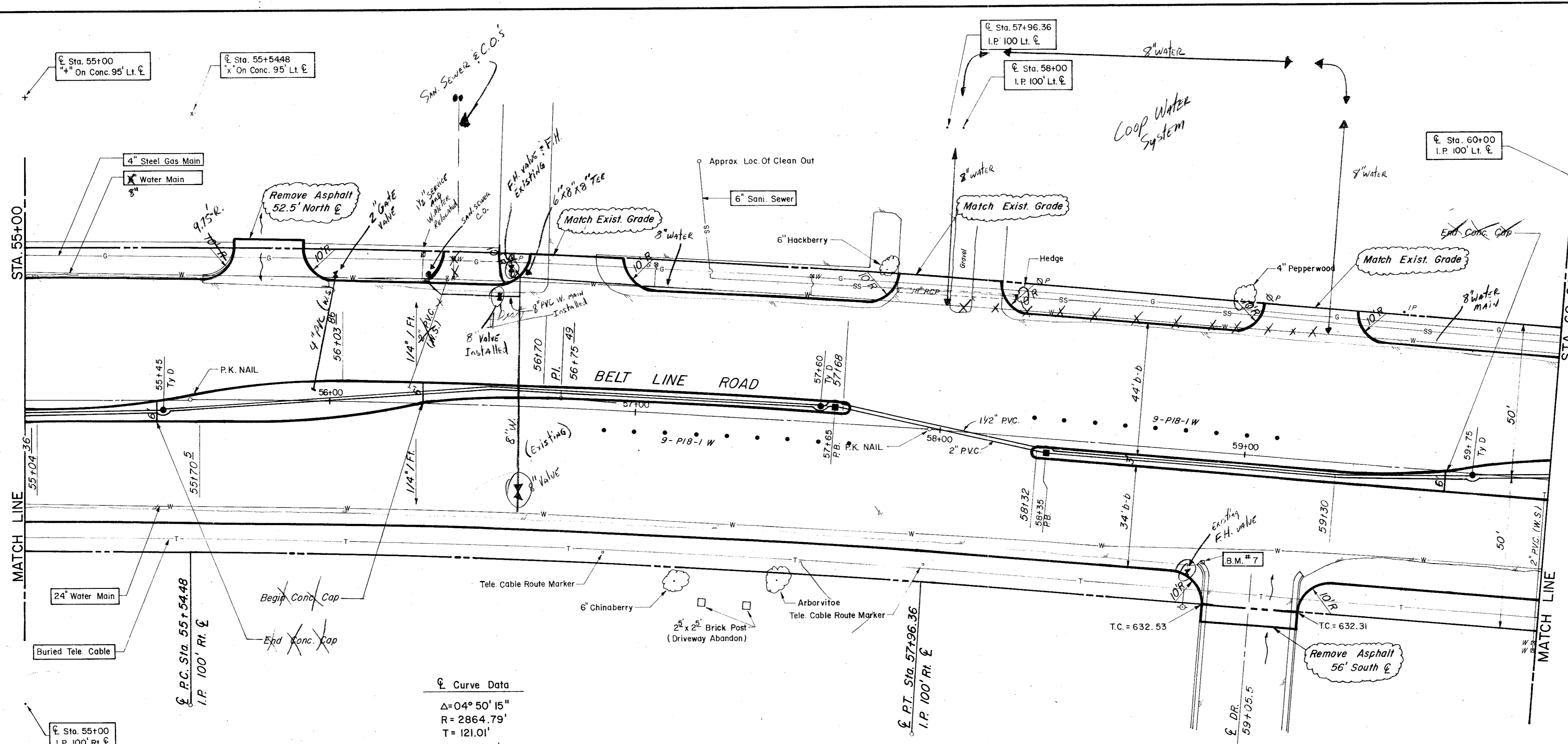
LEGEND	
□	Blank Mark
•	Iron Pin
○	Manhole
⊗	Gas Meter
⊕	Gas Valve
⊖	Gas Valve
⊙	Power Pole (Typical Pole Symbol)
⊕	Power Pole
⊖	Power Pole
⊙	Telephone Pole
⊕	Water Meter
⊖	Water Meter
⊙	Water Valve
⊖	Water Valve
⊙	Fire Hydrant
⊖	Manhole
⊙	Sanitary Sewer Line
⊖	Sanitary Sewer Line
⊙	Flow Line
⊖	Flow Line
⊙	Flow Direction Indicator
⊖	Flow Direction Indicator
⊙	Property or Right-of-Way Line(ROW)
⊖	Property or Right-of-Way Line(ROW)
⊙	Traffic Pull Box
⊖	Traffic Pull Box
⊙	Mesh Arm Pole Foundation (Type A or B)
⊖	Mesh Arm Pole Foundation (Type C)
⊙	Signal Illumination Pole Foundation (Type D)
⊖	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

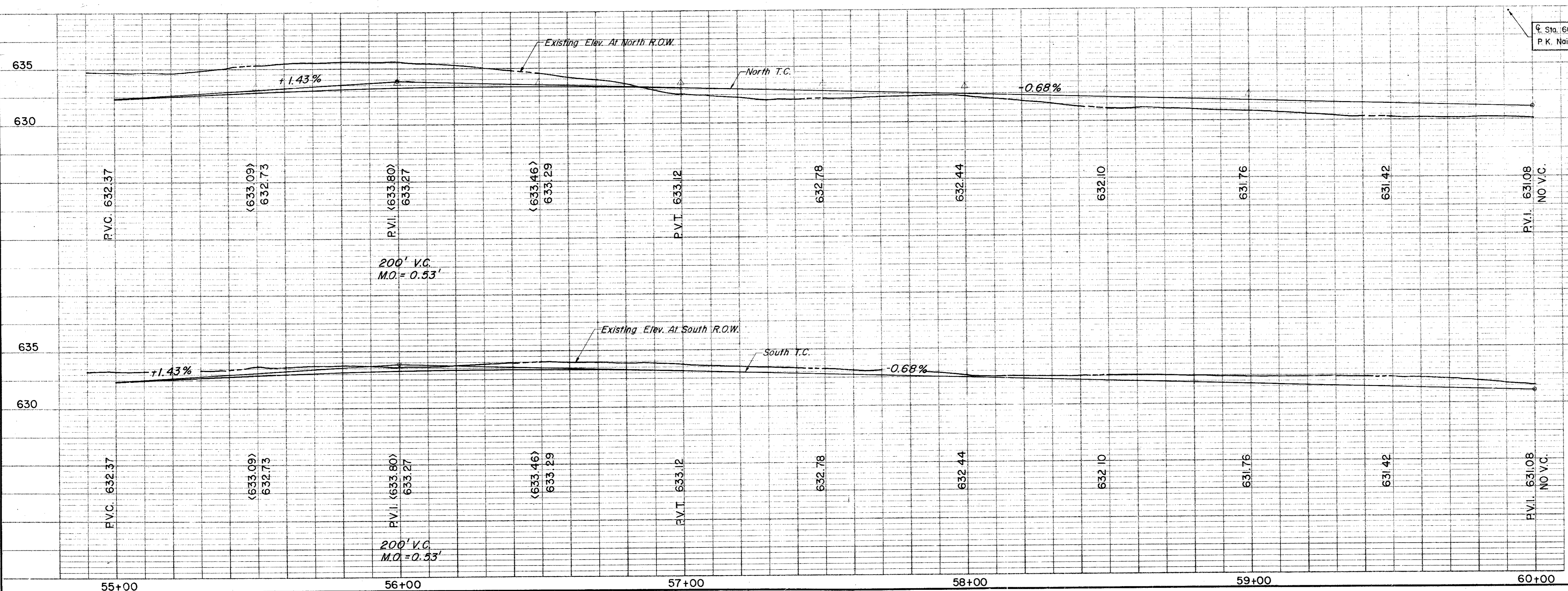
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	151.5
110	Unclassified Road Excavation (Dens Cont.)	CY	2394
160	Placing 4" Topsoil	CY	13.59
248	6" Flex Base (Dens Cont.) (Ty A, Gr 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
○	Gay Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Fence Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (R.O.W.)
○	Easement Line
○	Traffic Post (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

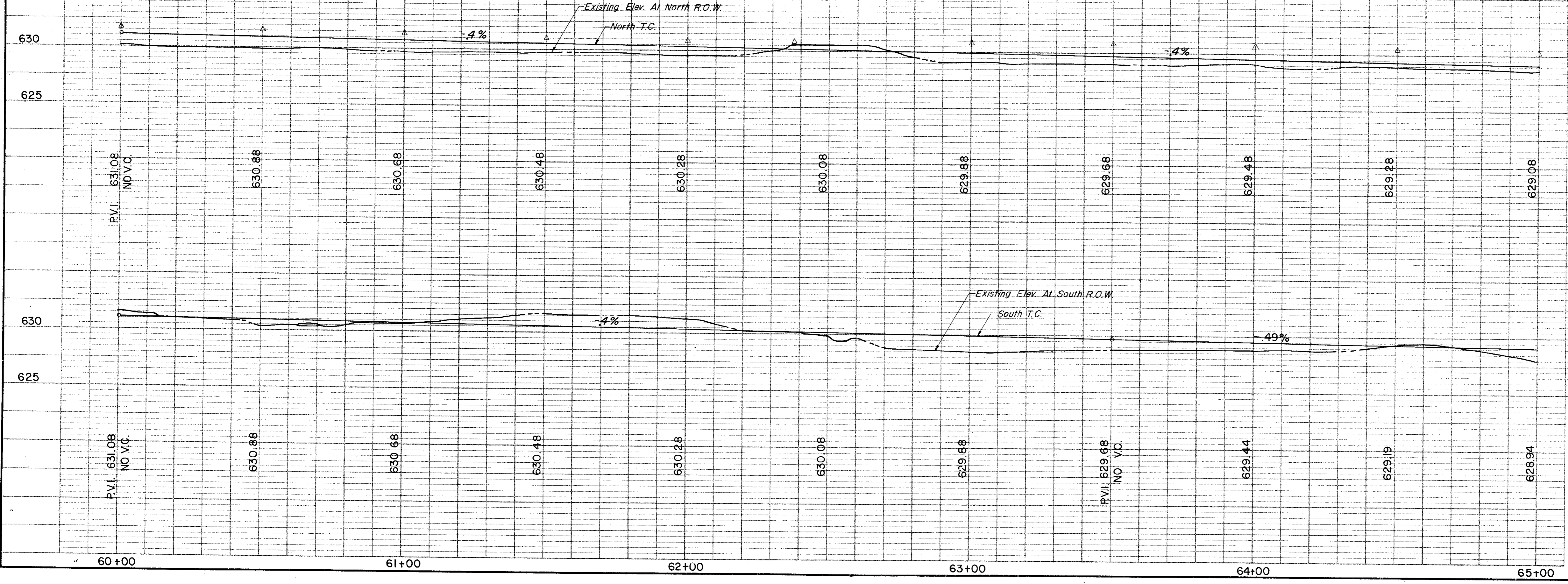
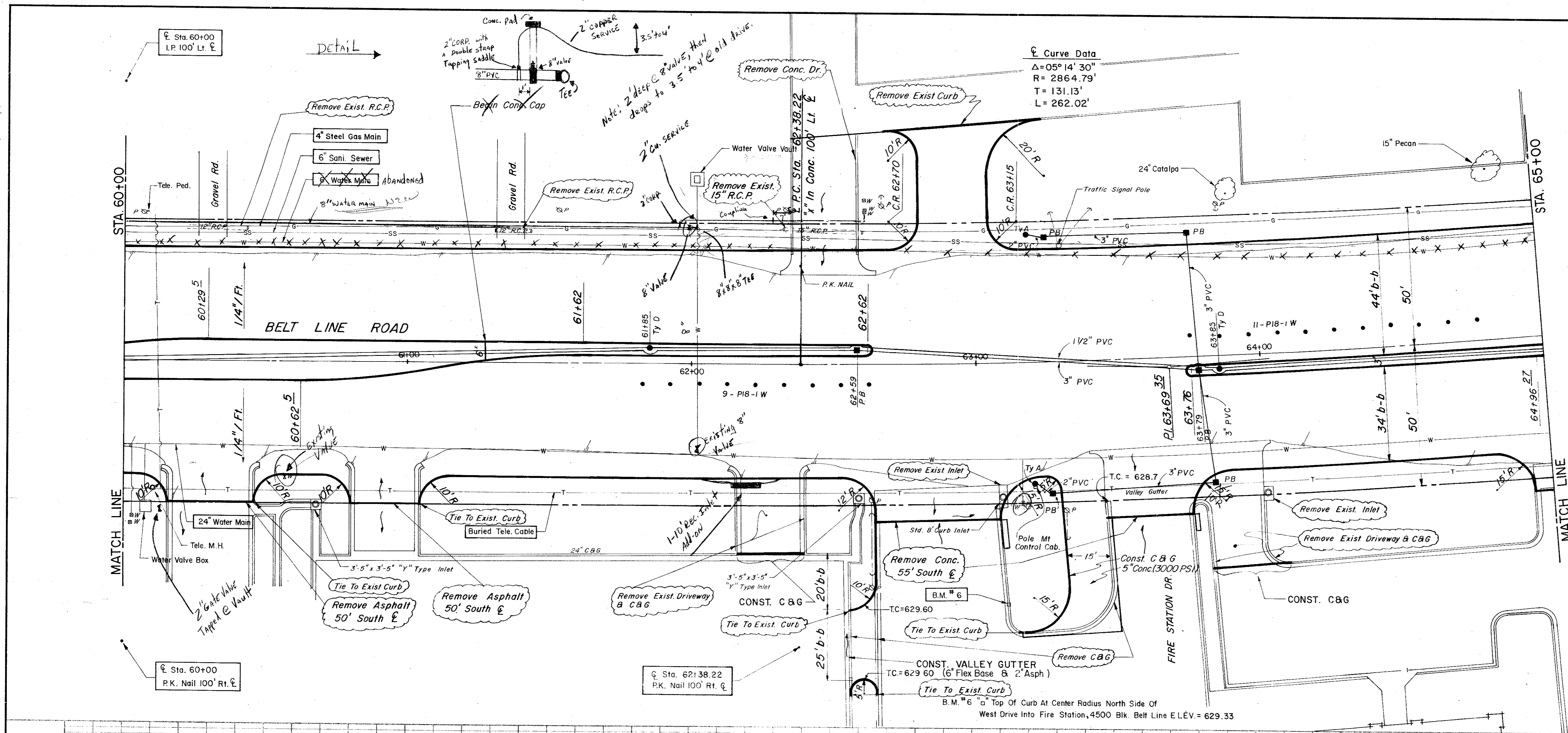


CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
 PAVING Sta. 55+00 to 60+00
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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)
○	Refractal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top Of Curb
○	Flow Line



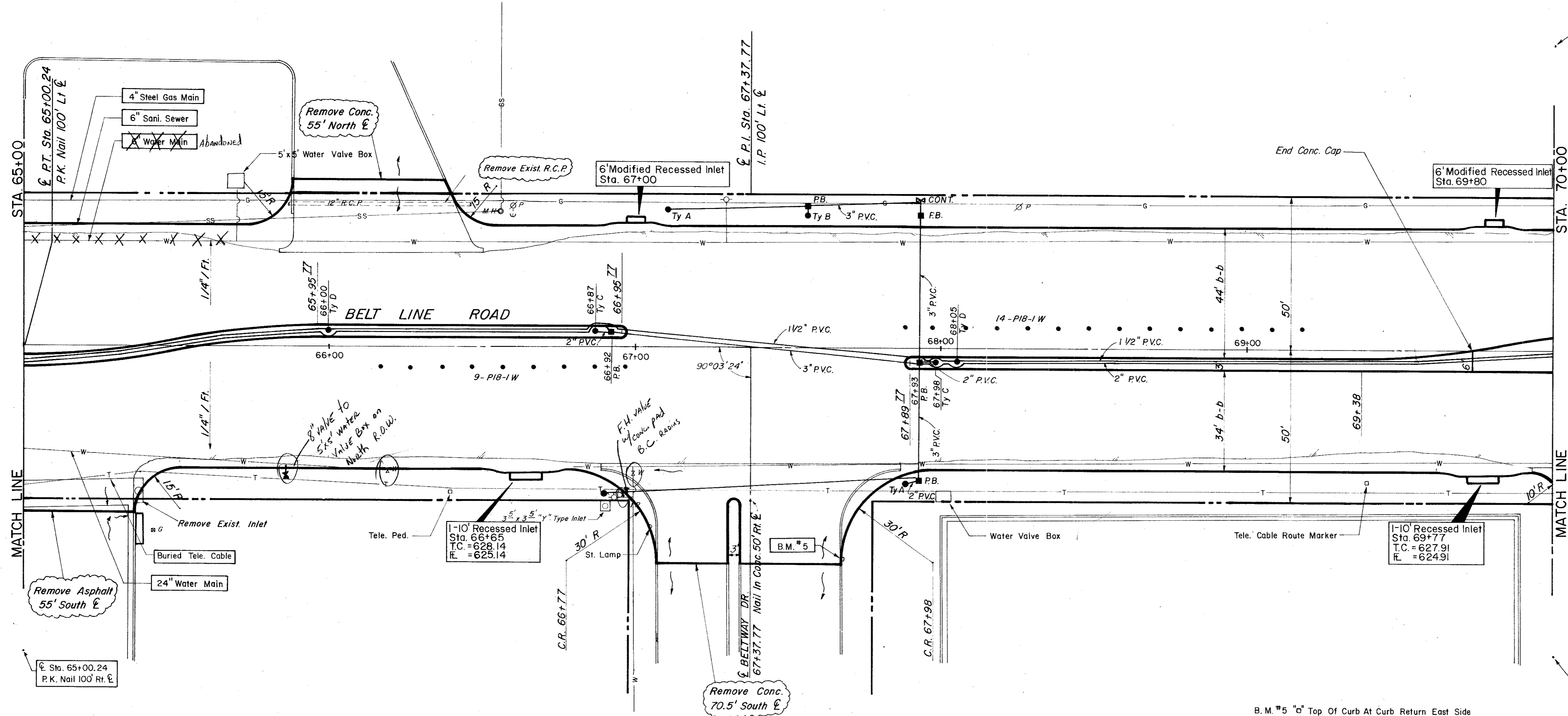
1	Relocate Owens Driveway	10/28/1980
No.	Revision	Date

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

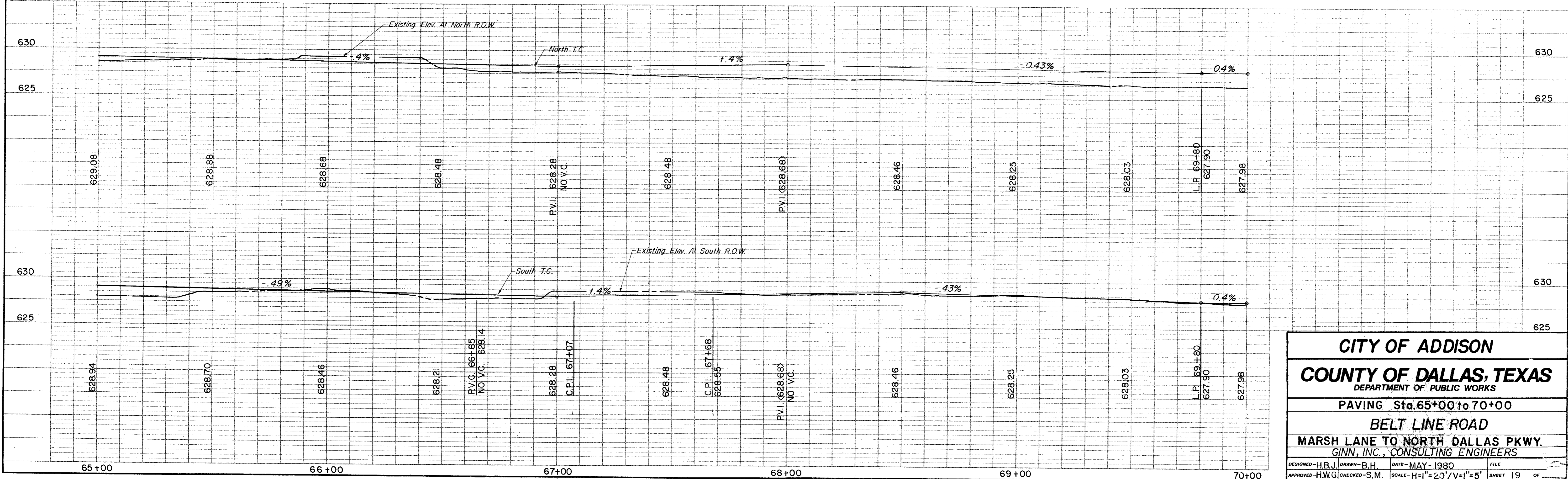


Sta. 70+00
I.P. 100' Lt. E

Sta. 65+00
P.K. Nail 100' Lt. E

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

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

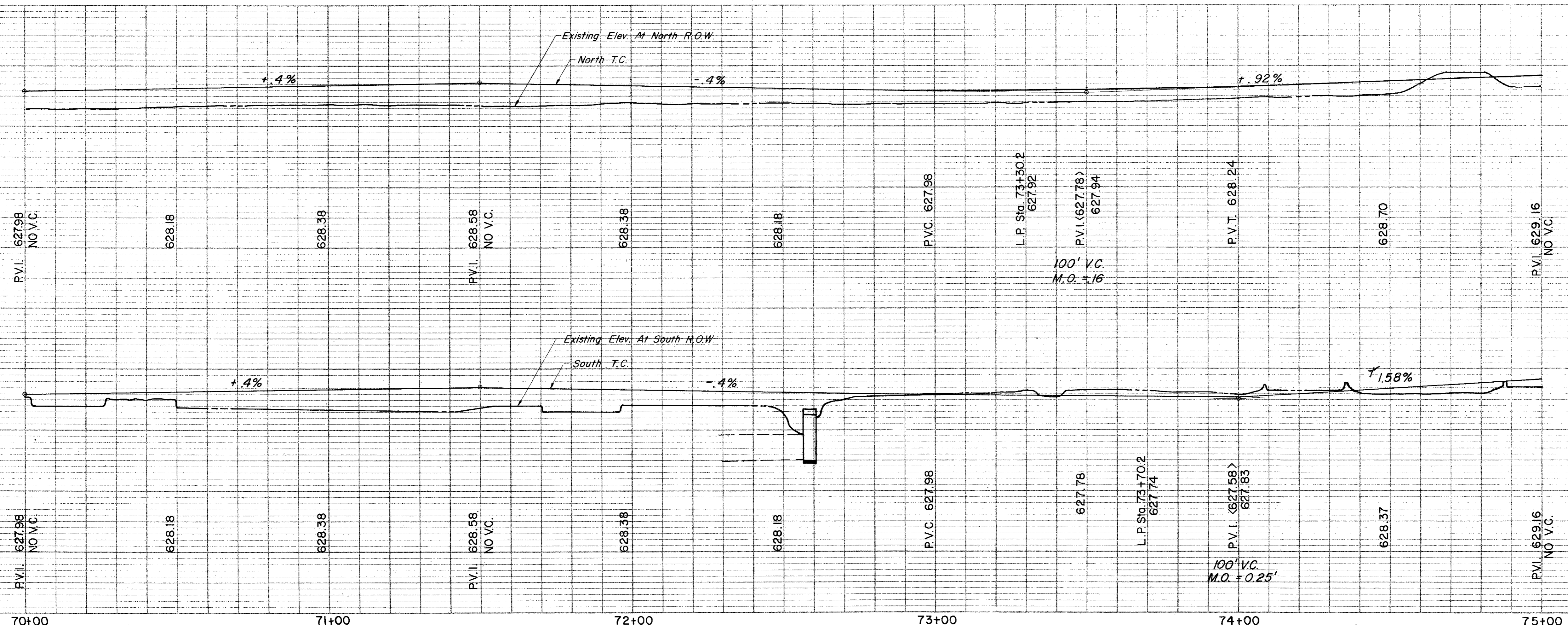
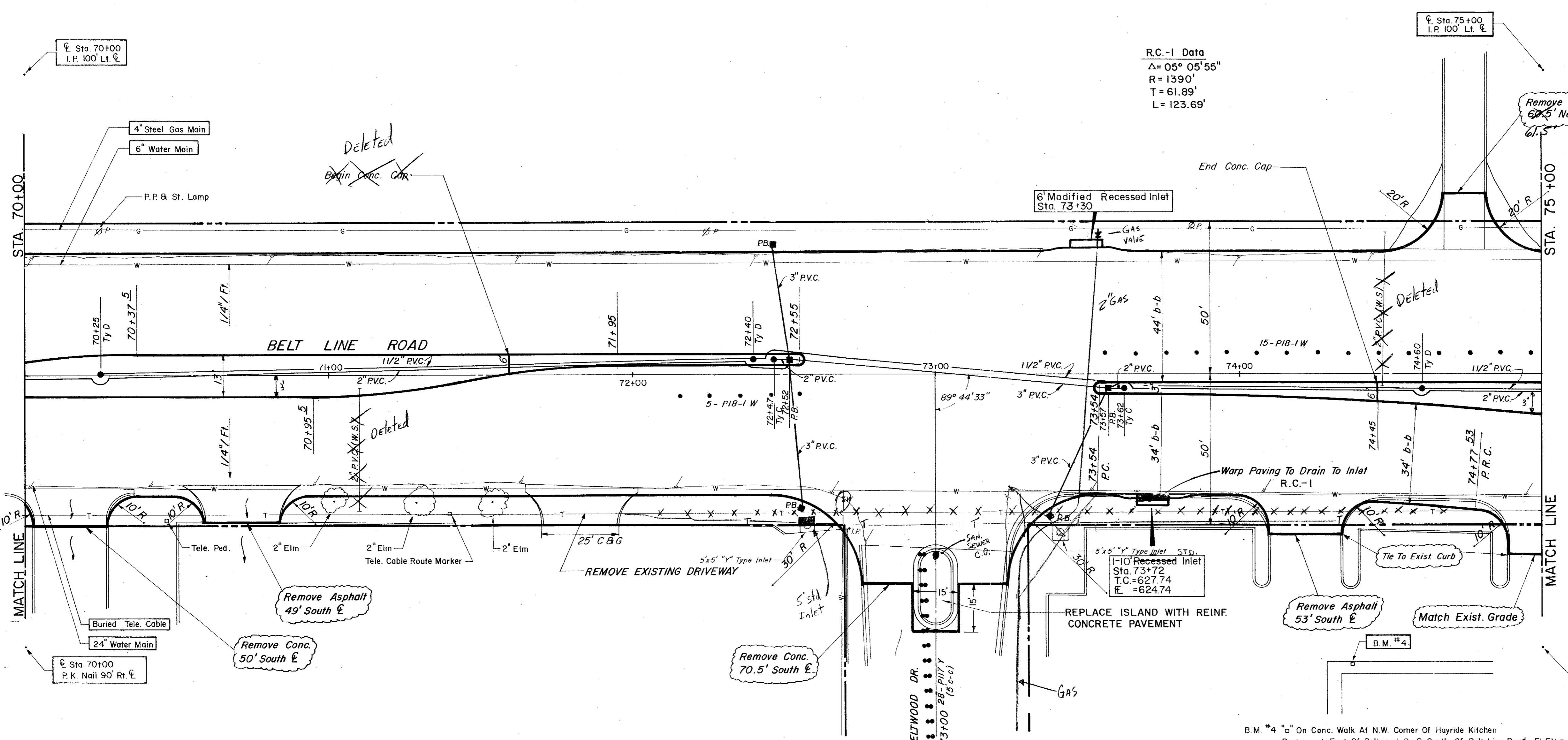


CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

PAVING Sta. 65+00 to 70+00
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	125
104.2	Sawed Break-Out Groove	LF	178
110	Unclassified Road Excavation(Dens Cont.)	CY	1886
160	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



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

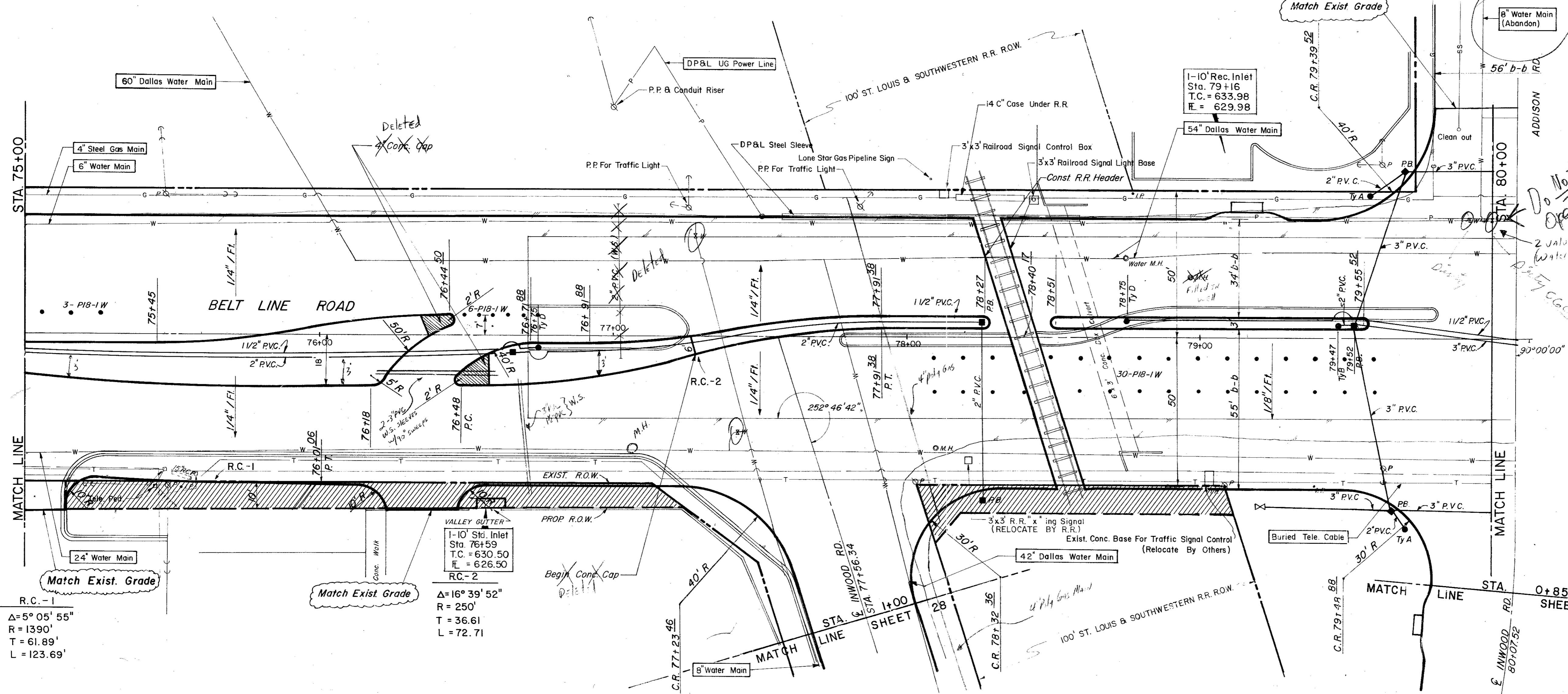
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
PAVING Sta. 70+00 to 75+00
BELT LINE ROAD
MARSH LANE TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS
DESIGNED-H.B.J. DRAWN-B.H. DATE-MAY-1980 FILE
APPROVED-H.W.G. CHECKED-S.M. SCALE-H=1"=20'/V=1"=5' SHEET 20 OF

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	8" Conc Monolithic Curb (3000 PSI)	LF	200.59
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	195
360.5	Conc. R/R Header	LF	5
479.1	Adjust Water Valves	EA	3
479.2	Adjust Manhole	EA	50'
690.5	2" PVC. 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	300
630.2	Foundation (Ty B) Traffic Sig In Place	EA	412
630.3	Foundation (Ty C) Traffic Sig In Place	EA	273
630.4	Foundation (Ty D) Illumination	EA	6
640.1	1/2" PVC Conduit, Furnish & Install	LF	273
640.2	2" PVC Conduit, Furnish & Install	LF	6
640.3	3" PVC Conduit, Furnish & Install	LF	44
640.4	Pull Box, Complete In Place	EA	41
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	220
752.2	Traffic Buttons-Single Refl Ty P18-1 White	EA	
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	

LEGEND

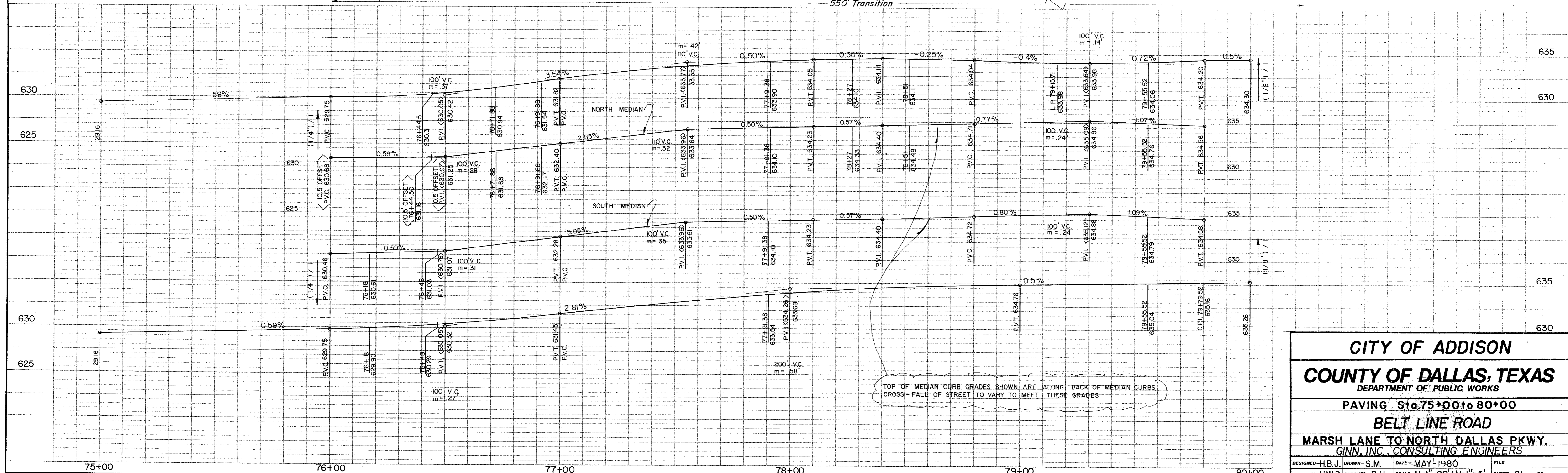
- Bench Mark
- Iron Pin
- Monument
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Telephone Line
- Guy Wire Anchor
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction Indicator
- Property or Right-of-Way Line (R.O.W.)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



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

1-10' Sld. Inlet
 Sta. 76+59
 T.C. = 630.50
 F. = 626.50
 R.C. - 2
 $\Delta = 16^\circ 39' 52''$
 $R = 250'$
 $T = 36.61'$
 $L = 72.71'$

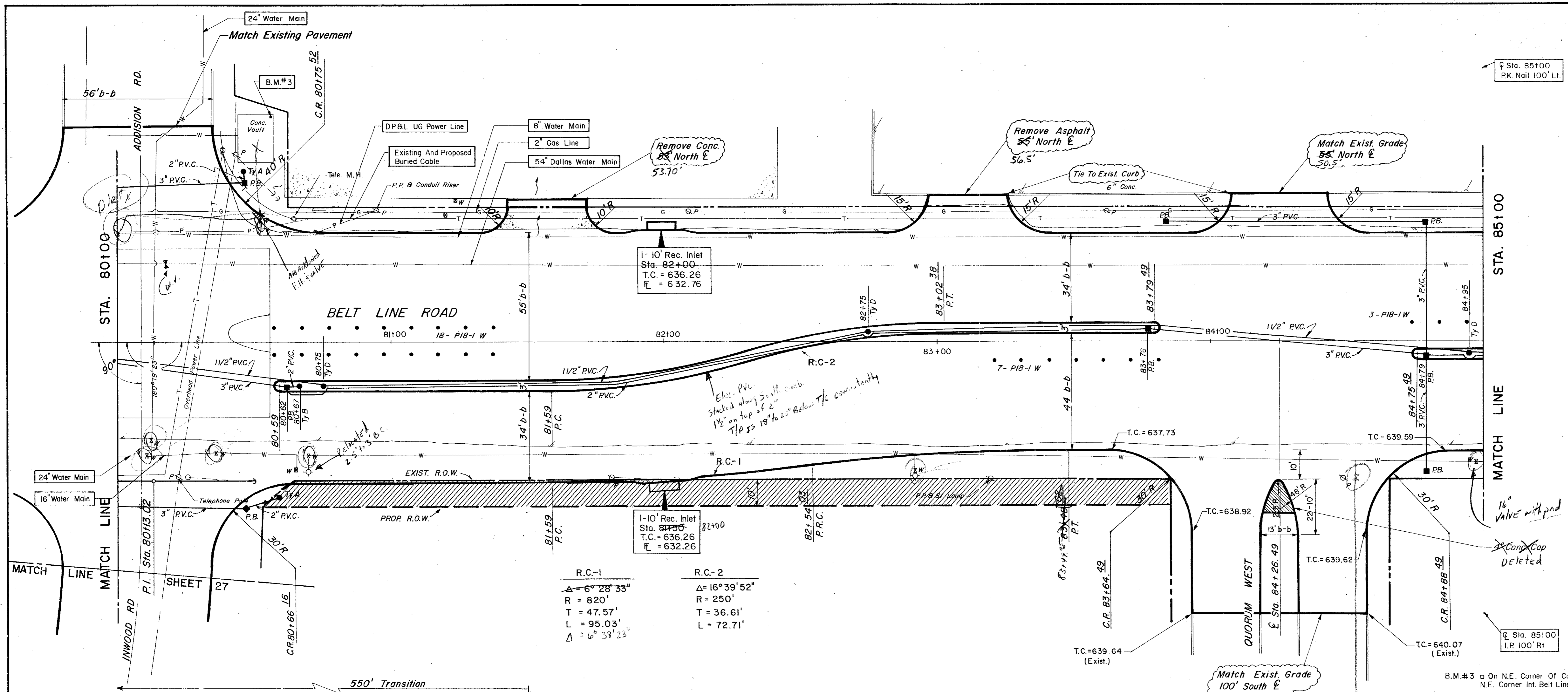
STA 0+85
 SHEET 27



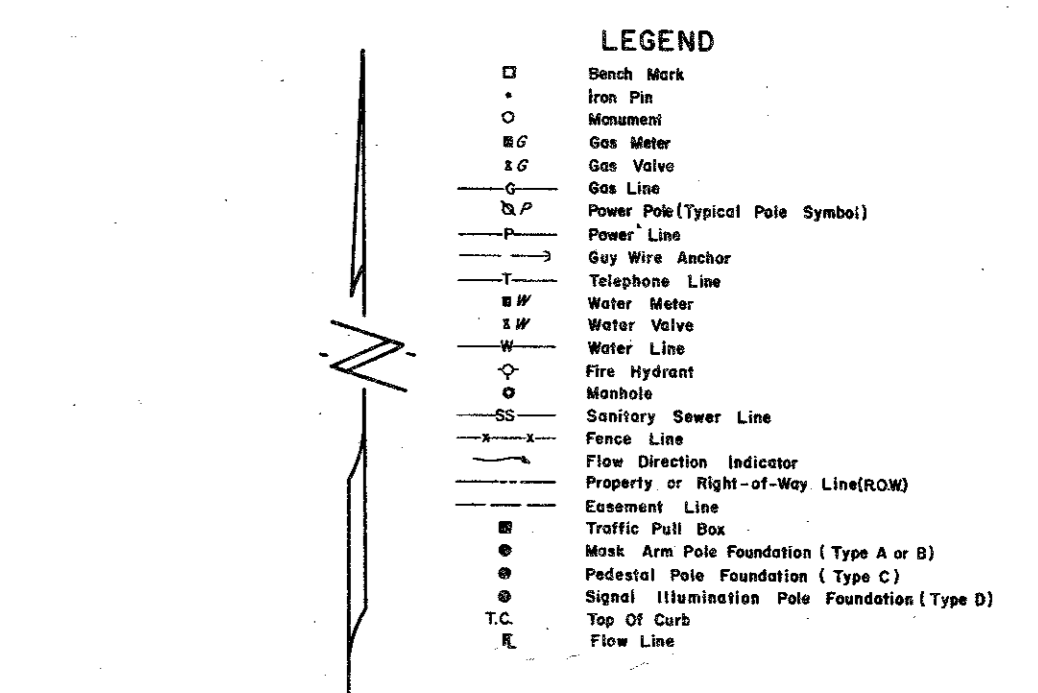
TOP OF MEDIAN CURB GRADES SHOWN ARE ALONG BACK OF MEDIAN CURBS.
 CROSS-FALL OF STREET TO VARY TO MEET THESE GRADES

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

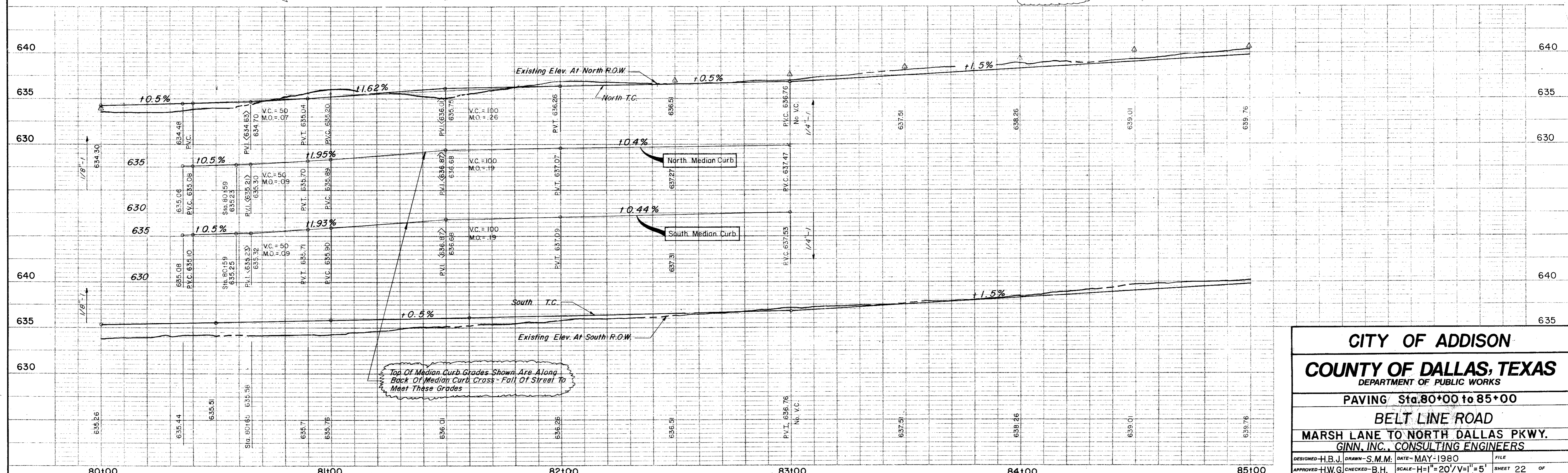
DESIGNED-H.B.J. DRAWN-S.M. DATE-MAY-1980 FILE
 APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20'/V=1"=5' SHEET 21 OF



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



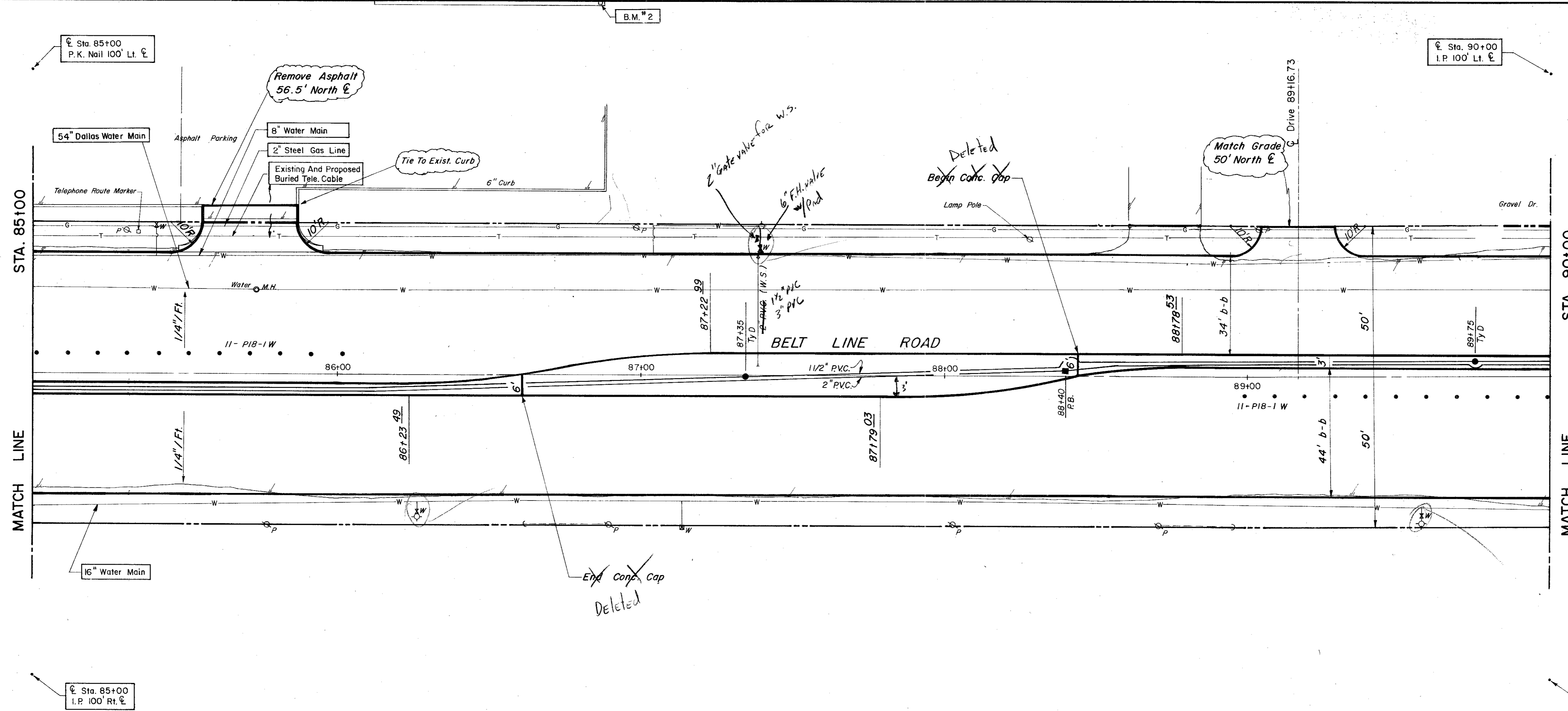
R.C.-1	R.C.-2
$\Delta = 6^\circ 28' 33''$	$\Delta = 16^\circ 39' 52''$
$R = 820'$	$R = 250'$
$T = 47.57'$	$T = 36.61'$
$L = 95.03'$	$L = 72.71'$
$\Delta = 6^\circ 38' 23''$	



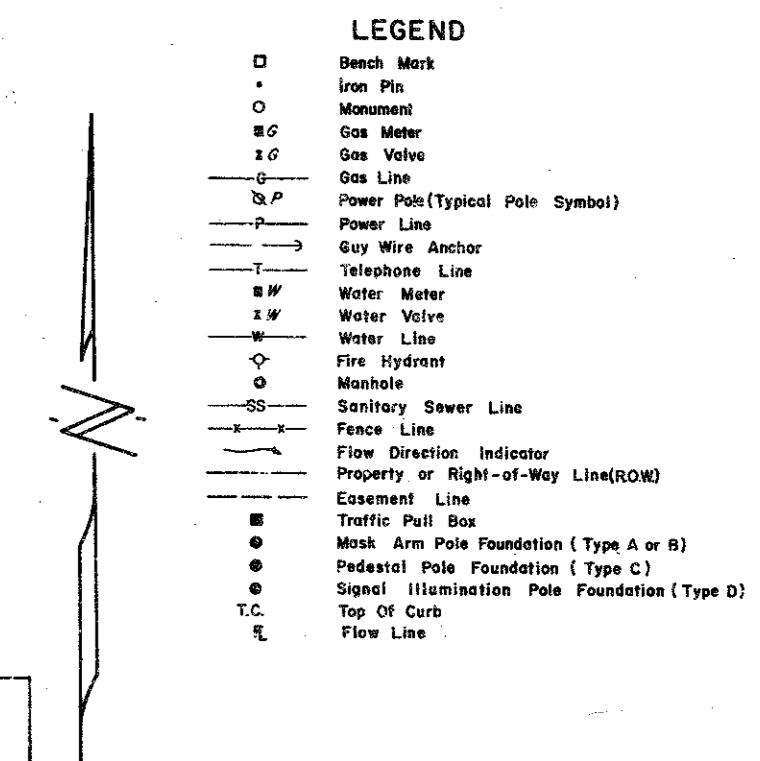
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

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

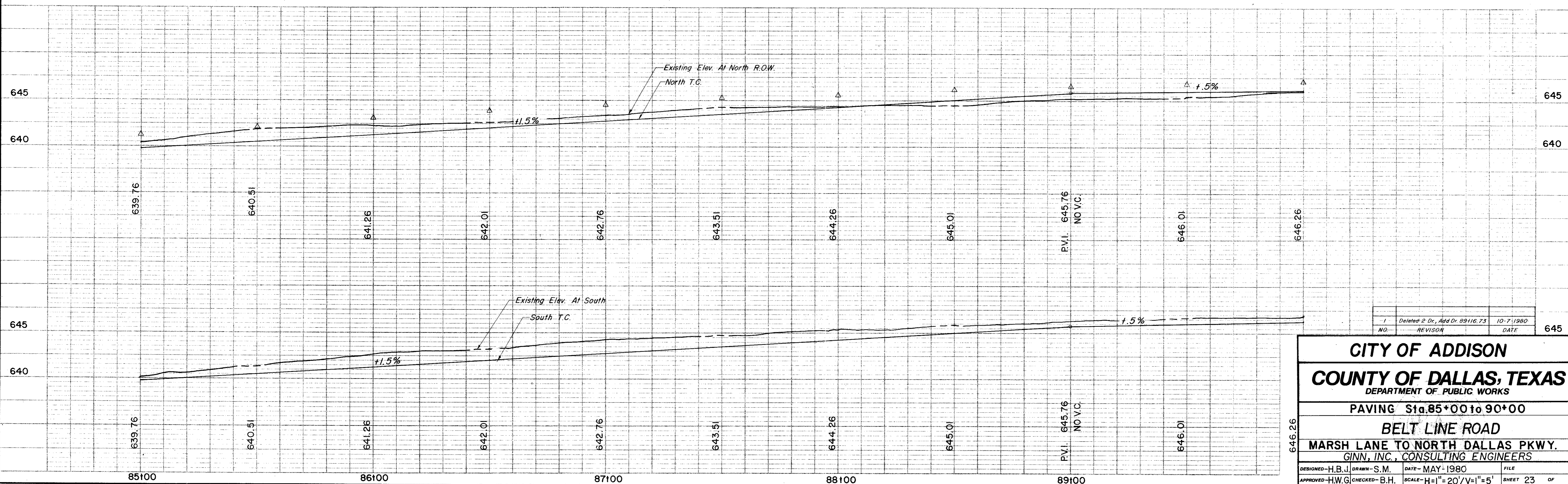
DESIGNED - H.B.J. DRAWN - S.M.M. DATE - MAY-1980 FILE
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20'/V=1"=5' SHEET 22 OF



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



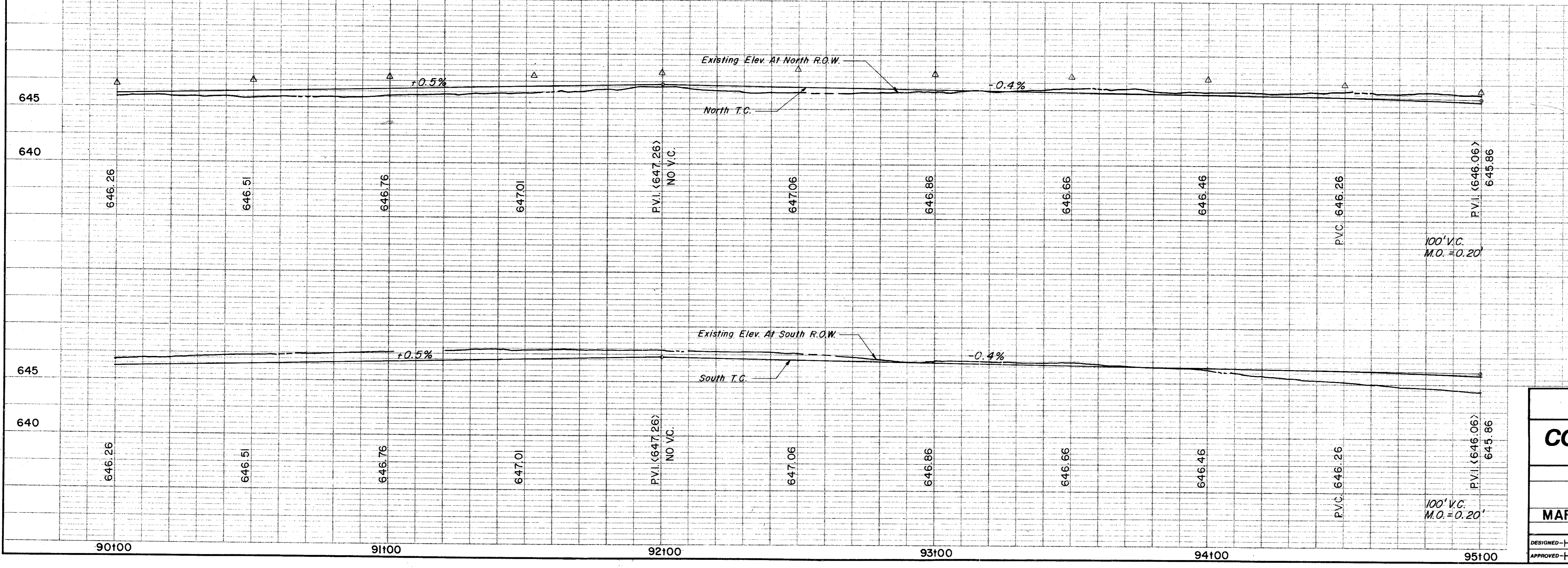
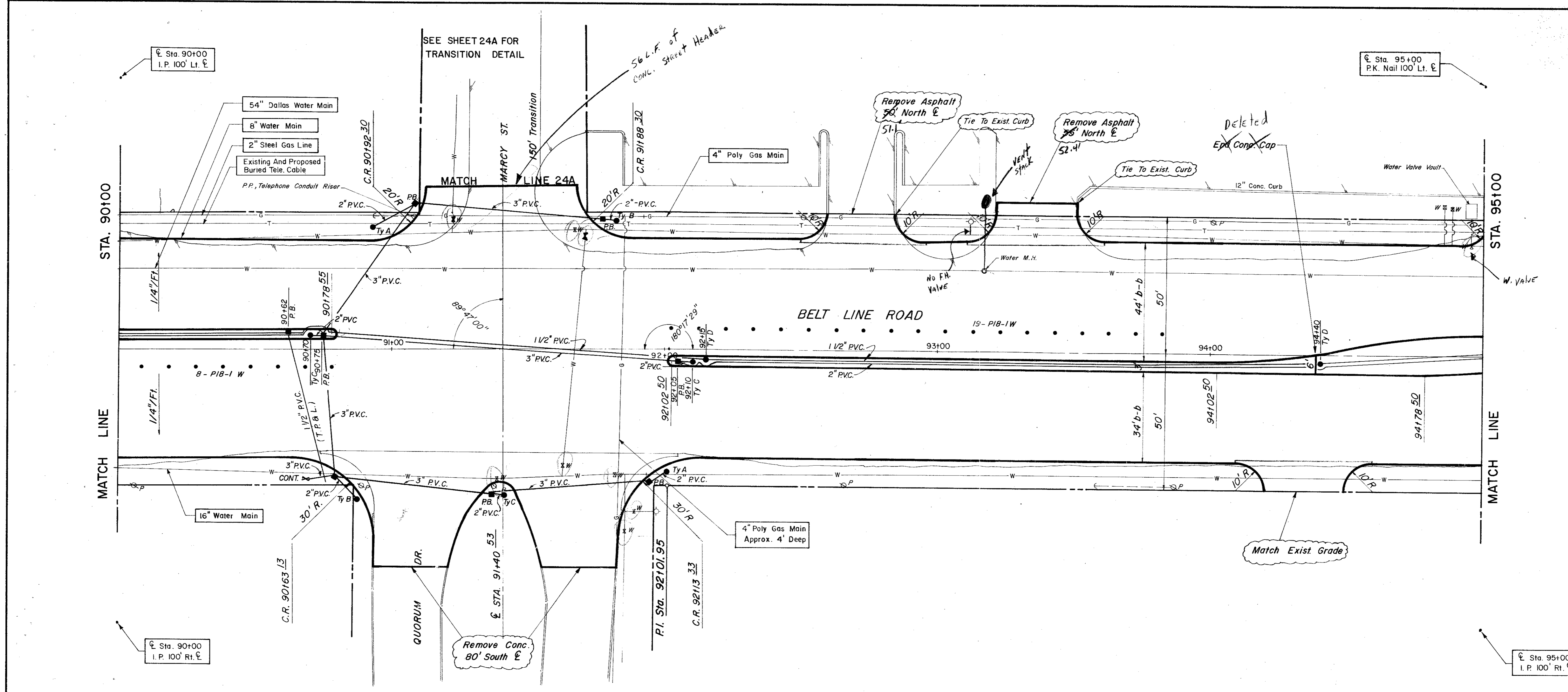
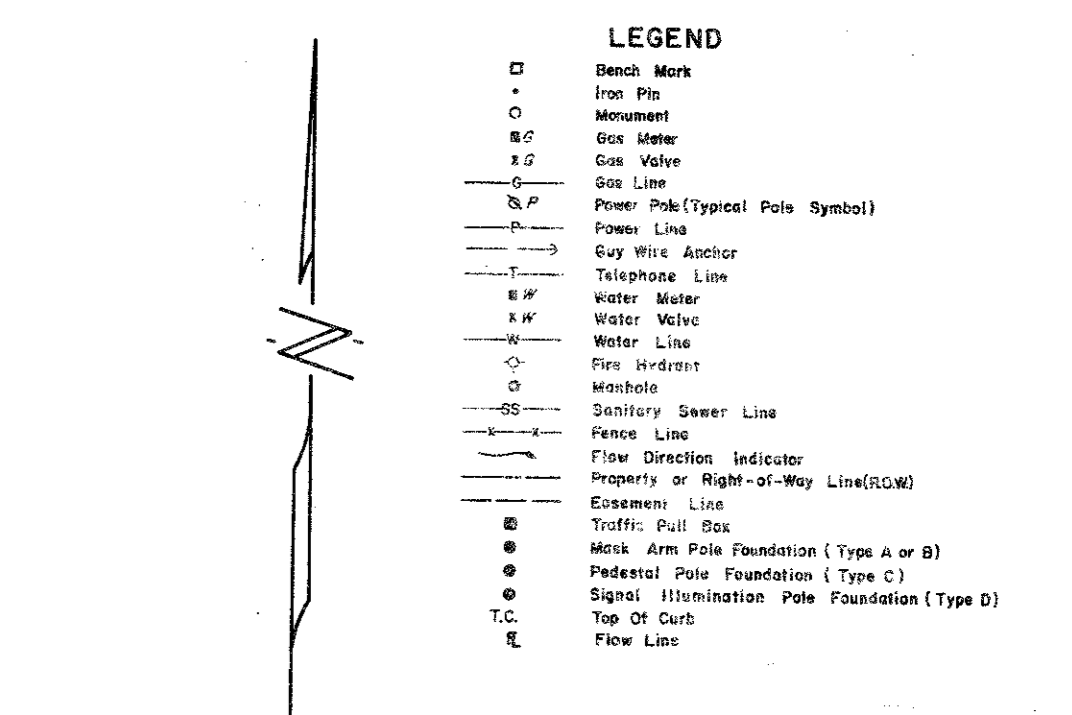
NO.	REVISION	DATE
1	Deleted 2 Dr., Add Dr. 89+16.73	10-7-1980

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

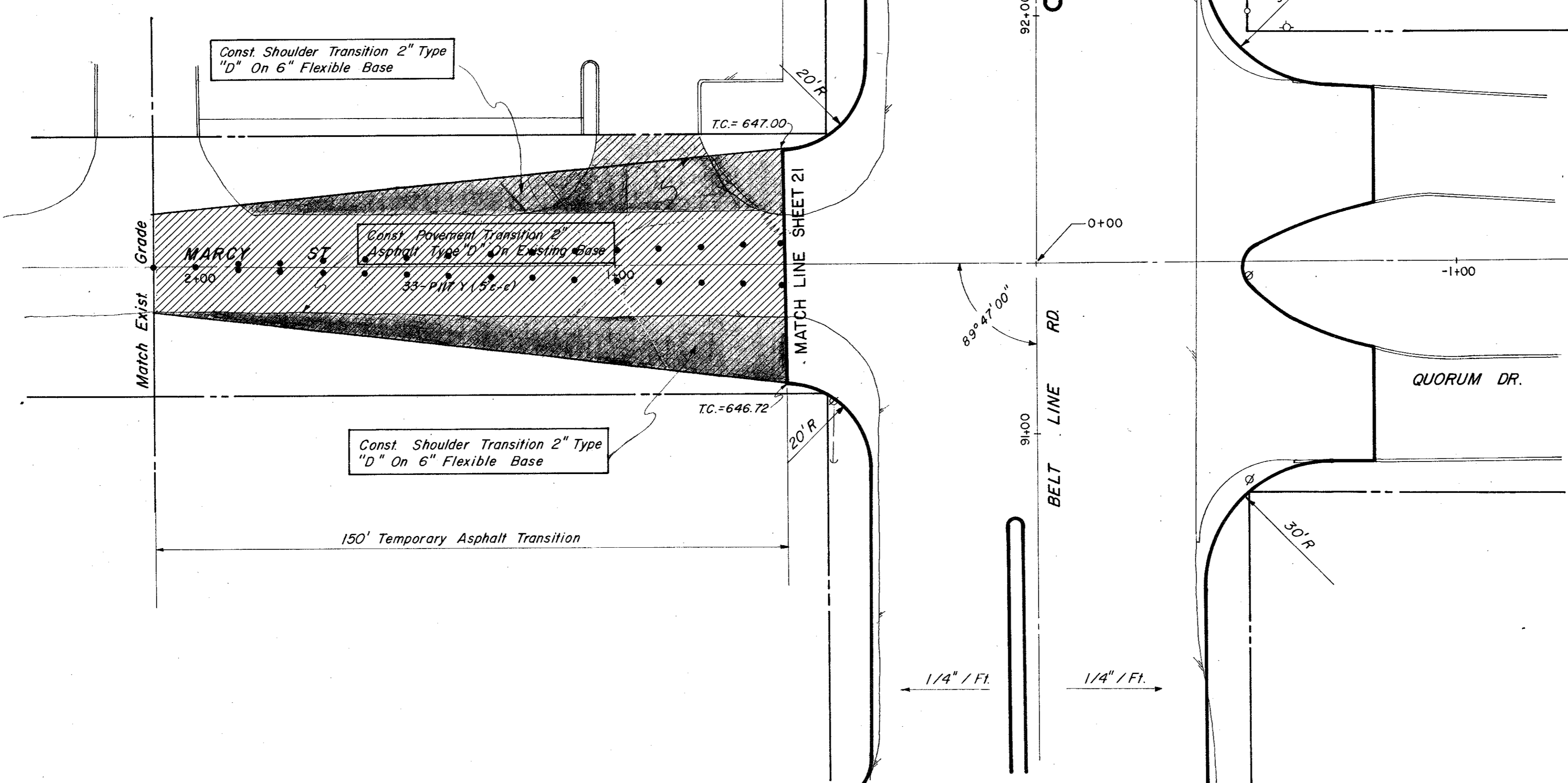
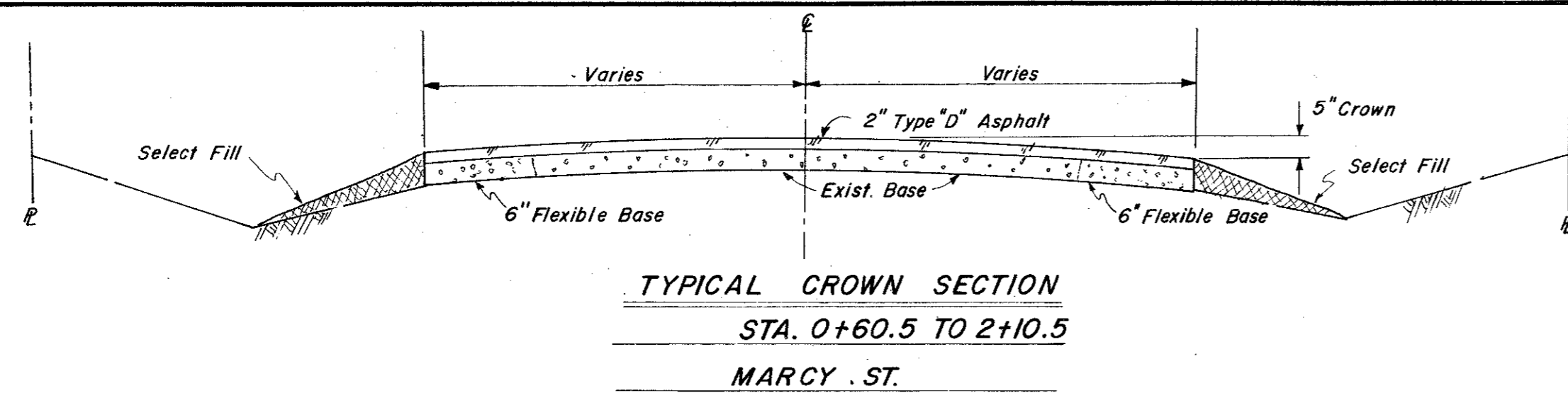
DESIGNED-H.B.J. DRAWN-S.M. DATE-MAY-1980 FILE
APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20'/V=1"=5' SHEET 23 OF

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



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(2000PSI)	SY	
340.3	2" Hot Mix Asphalt (Ty D) Transition	Ton	148.50
752.3	Traffic Buttons - Dbl. Refl., Ty P117 Yellow	EA	33
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc(3000PSI)	SY	
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	
640.1	1 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	

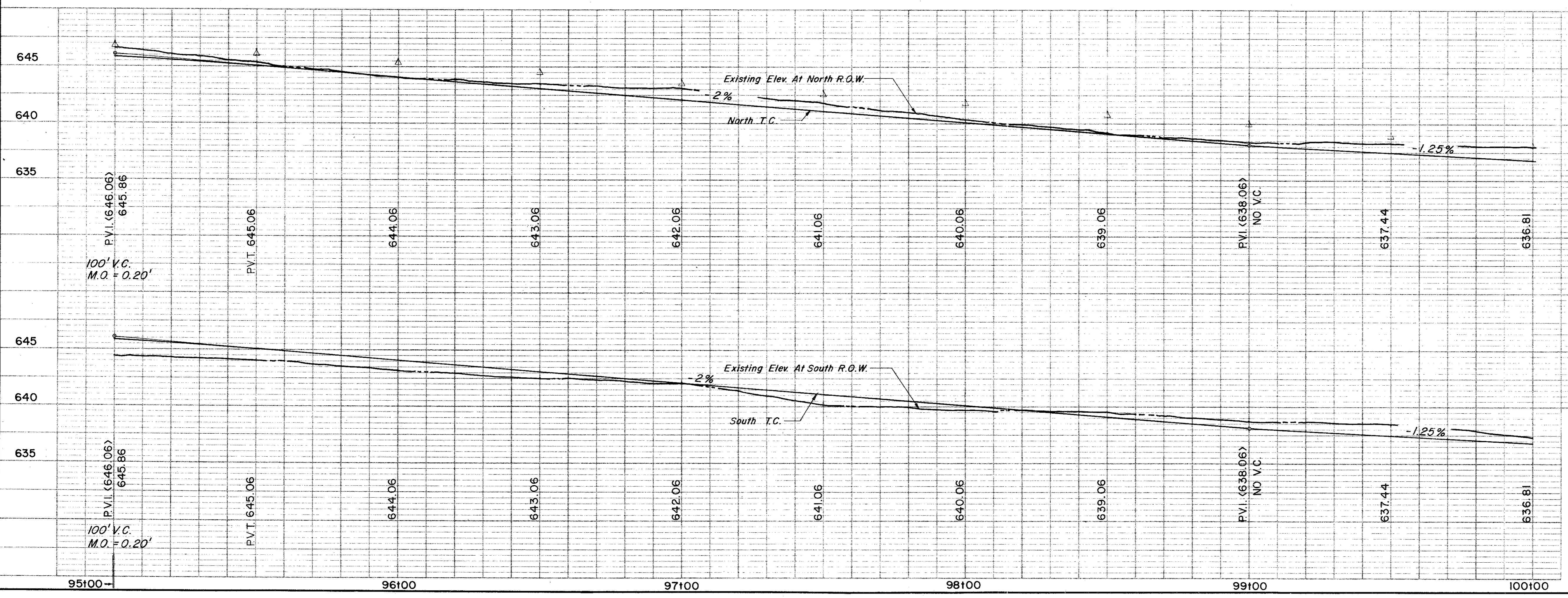
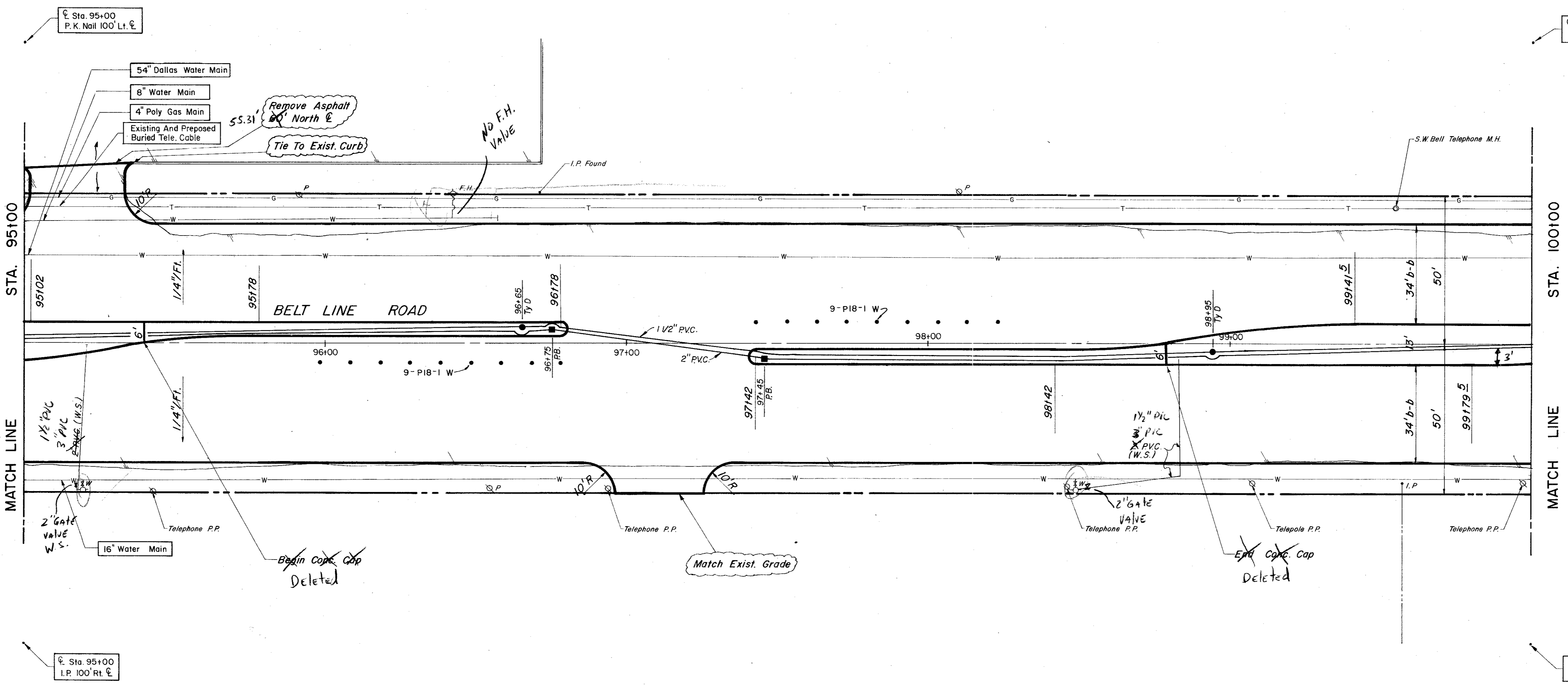
LEGEND	
□	Bench Mark
○	Iron Pin
○	Monument
⊕	Gas Meter
⊕	Gas Valve
⊕	Gas Valve
⊕	Gas Valve
⊕	Power Pole (Typical Pole Symbol)
⊕	Power Line
⊕	Guy Wire Anchor
⊕	Telephone Line
⊕	Water Meter
⊕	Water Valve
⊕	Water Line
⊕	Fire Hydrant
⊕	Manhole
⊕	Sanitary Sewer Line
⊕	Fence Line
⊕	Flow Direction Indicator
⊕	Property or Right-of-Way Line(R.O.W)
⊕	Easement Line
⊕	Traffic Pull Box
⊕	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)	LF	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

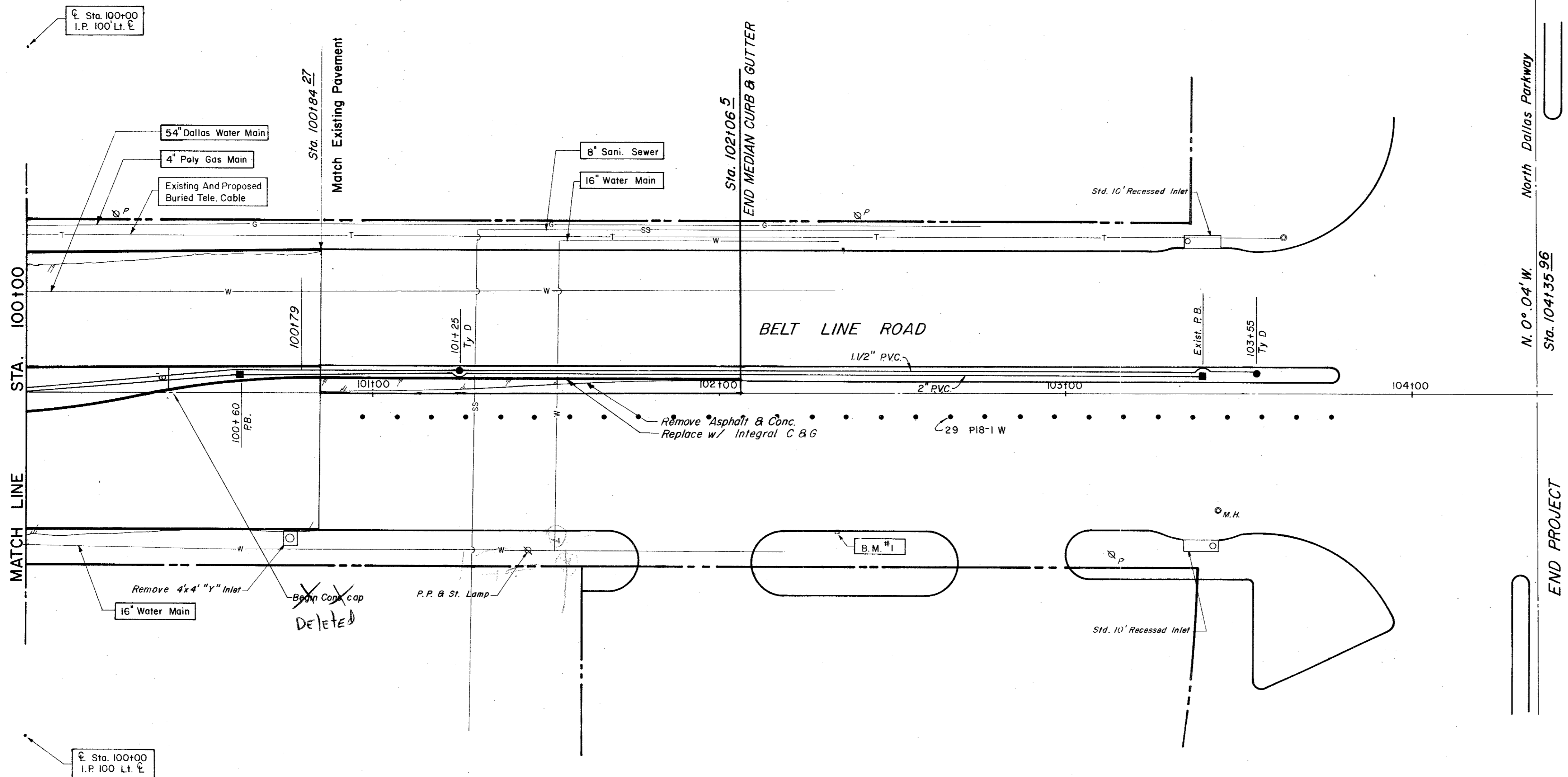
- Bench Mark
- Iron Pin
- Monument
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Power Line
- City Wire Indicator
- Telephone Line
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction Indicator
- Property or Right-of-Way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

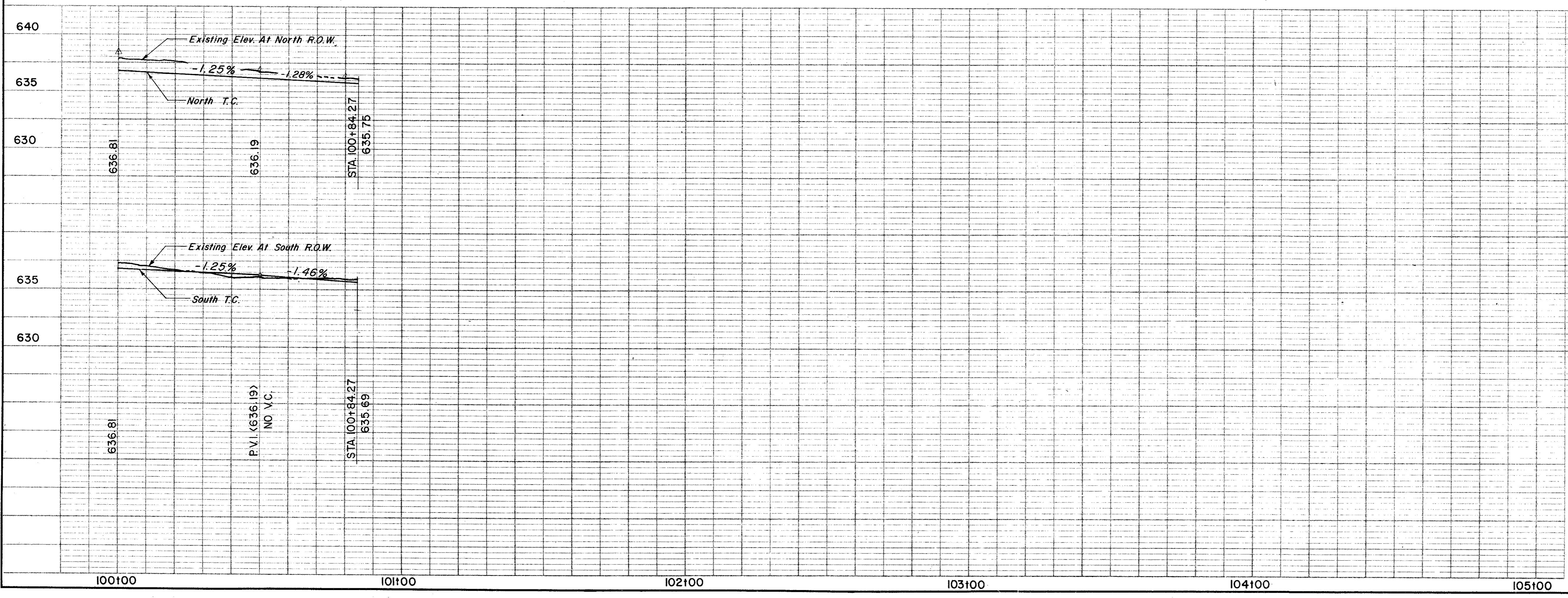
DESIGNED-H.B.J. DRAWN-S.M. DATE-MAY-1980 FILE
 APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20' V=1"=5' SHEET 25 OF

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	468
260.1	Lime (Ty A) Slurry Method	Ton	85
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	680
340.1	3" Hot Mix Asp (Ty D) Resurf Shoulder	Ton	15.4
340.2	6" Hot Mix Asphalt (Ty B)	Ton	468
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 Pin
○	Manhole
○	Gas Meter
○	Sign Valve
○	Sign Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Day Wire Anchor
○	Telephone Line
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Face Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (ROW)
○	Centerline Line
○	Traffic Pull Box
○	Block Area Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Flow Line

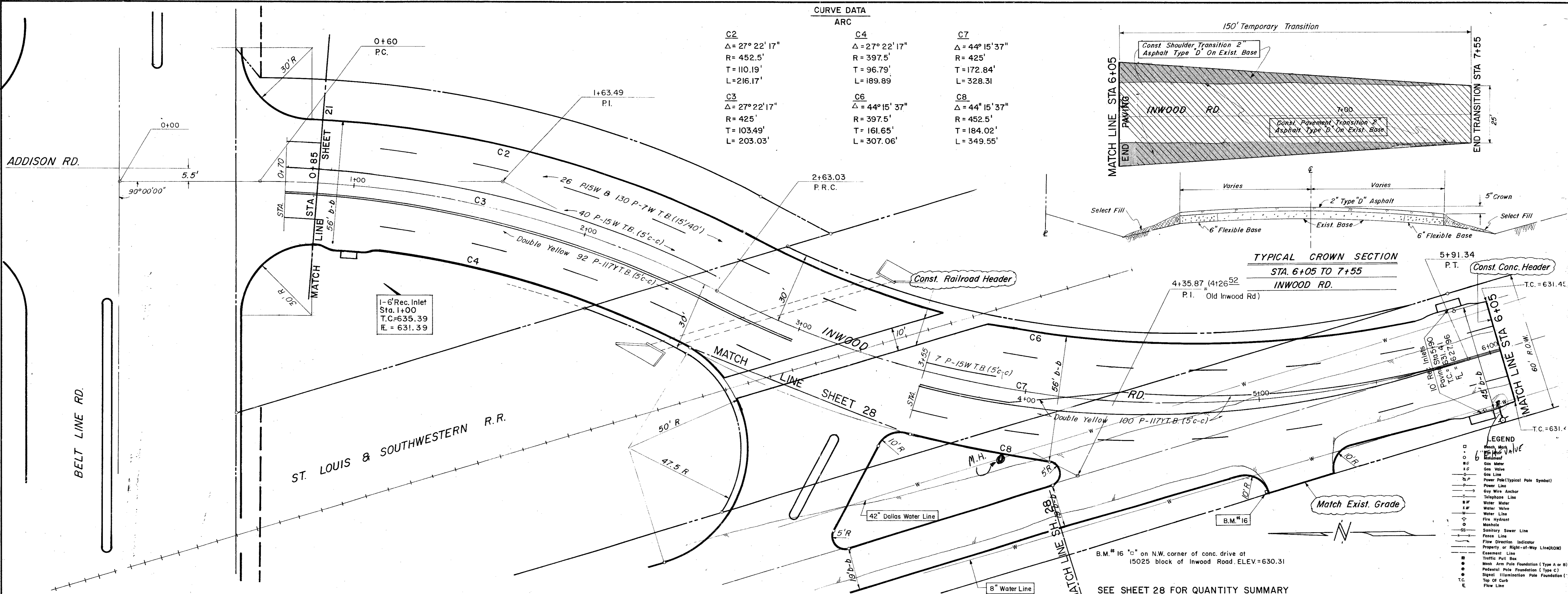
B.M. #1 "o" Top Of North Curb On Belt Line At 25' East Of End Of Conc. Curb & Gutter 200' West Of Intersection Of Dallas Parkway. ELEV.=6.3553



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

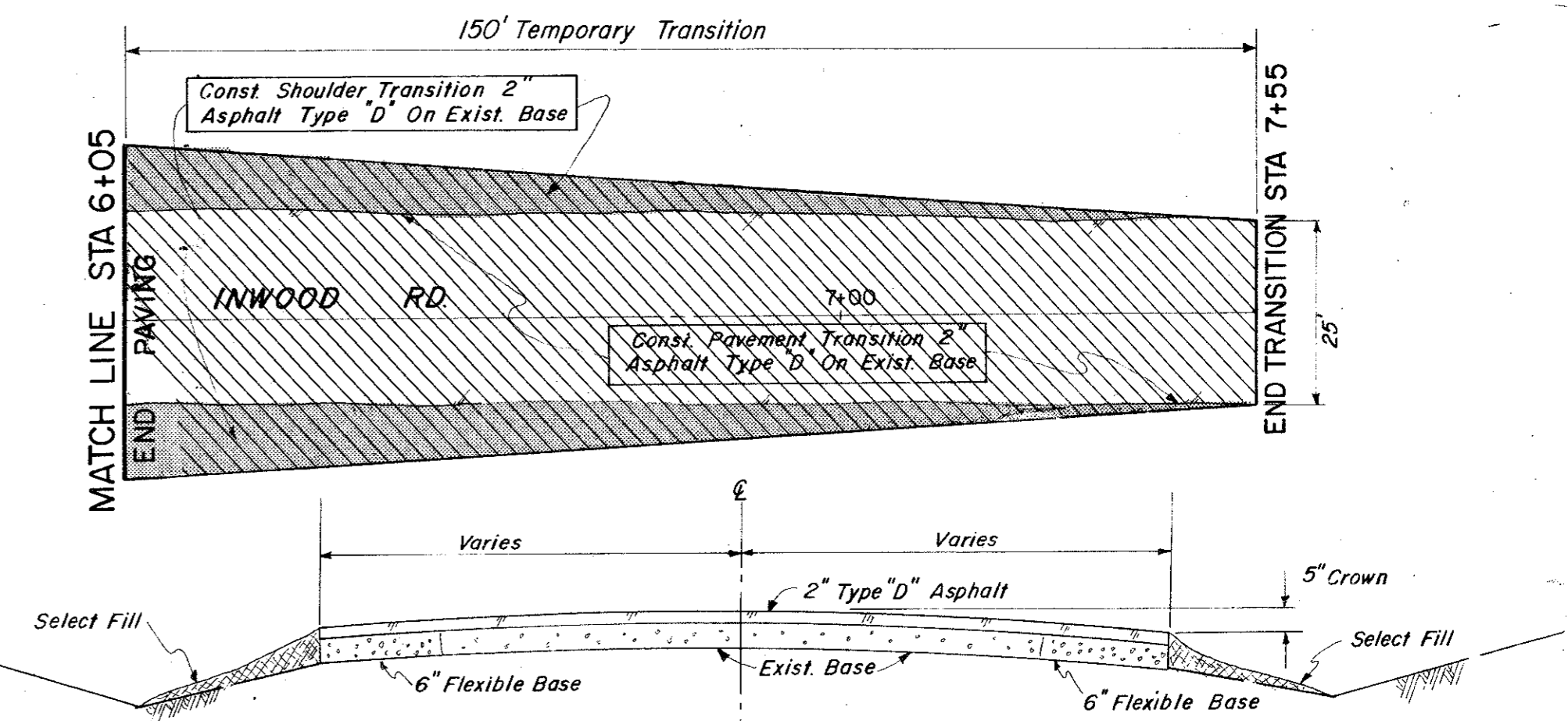
PAVING Sta. 100+00 to 100+84.27
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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

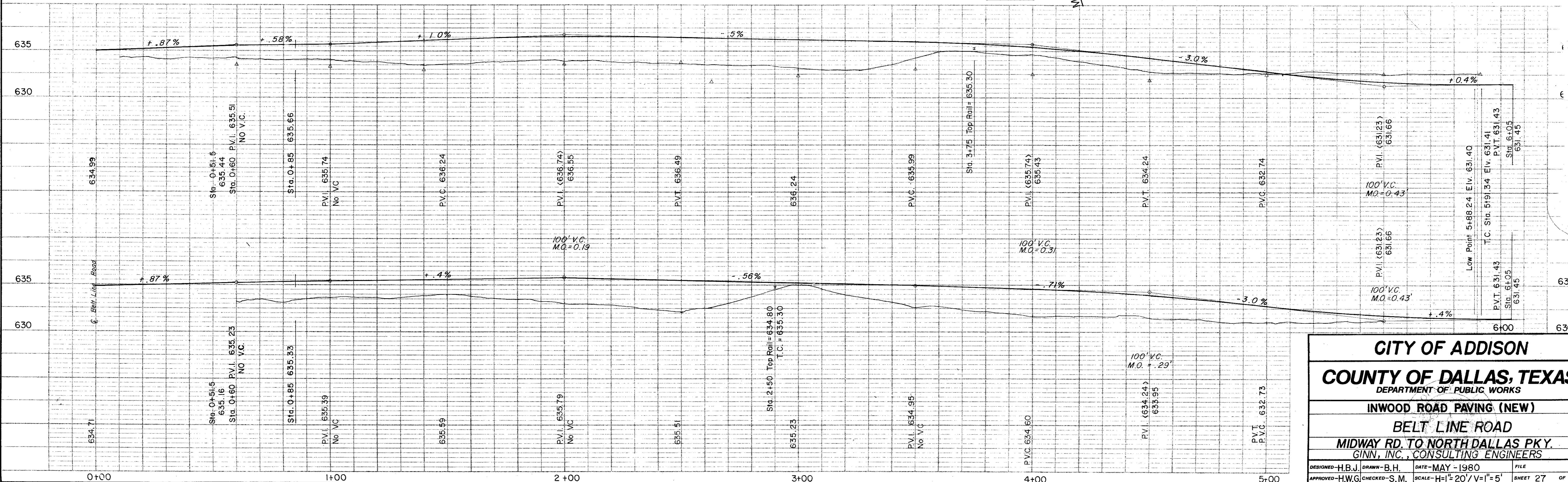


CURVE DATA

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



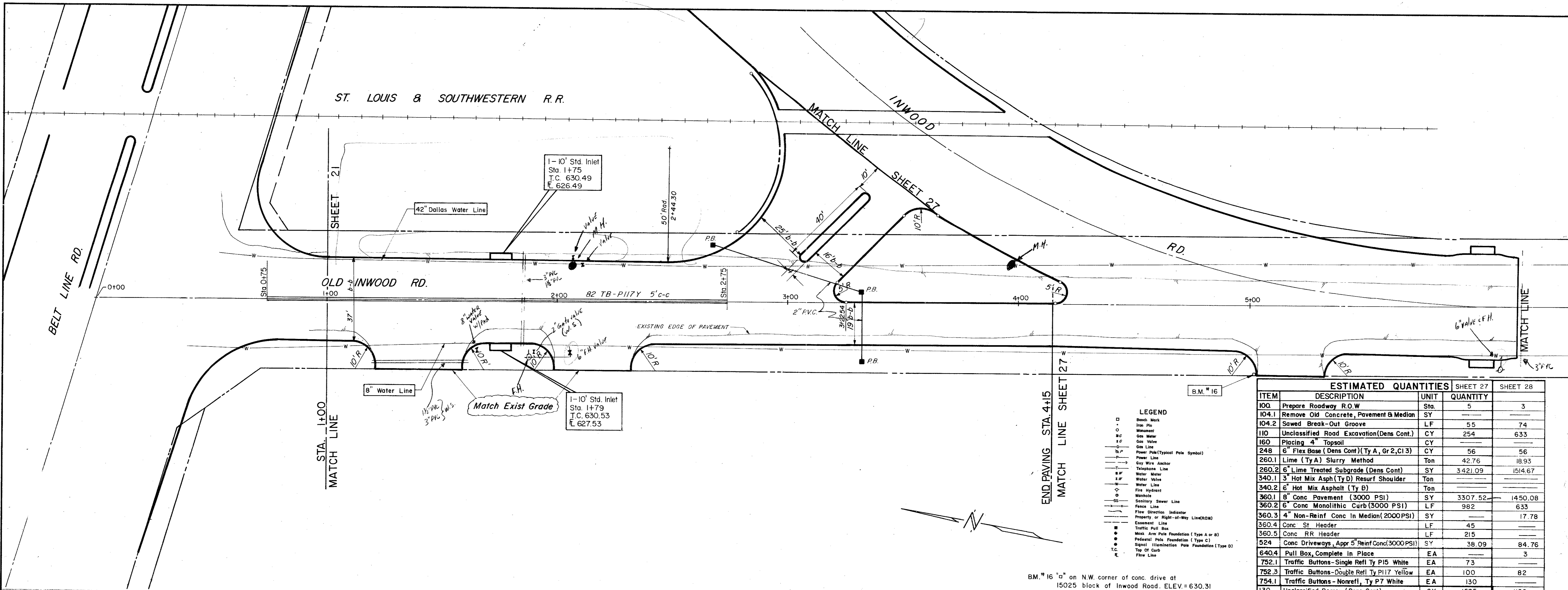
- LEGEND**
- Match Line
 - Manhole
 - Gas Valve
 - Gas Meter
 - Gas Line
 - Power Pole (Typical Pole Symbol)
 - Power Line
 - City Wire Anchor
 - Telephone Line
 - Water Meter
 - Water Valve
 - Water Line
 - Fire Hydrant
 - Manhole
 - Sanitary Sewer Line
 - Face Line
 - Flow Direction Indicator
 - Property or Right-of-Way Line (ROW)
 - Encasement Line
 - Traffic Pull Box
 - Manhole Arm Pole Foundation (Type A or B)
 - Pedestal Pole Foundation (Type C)
 - Signed 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

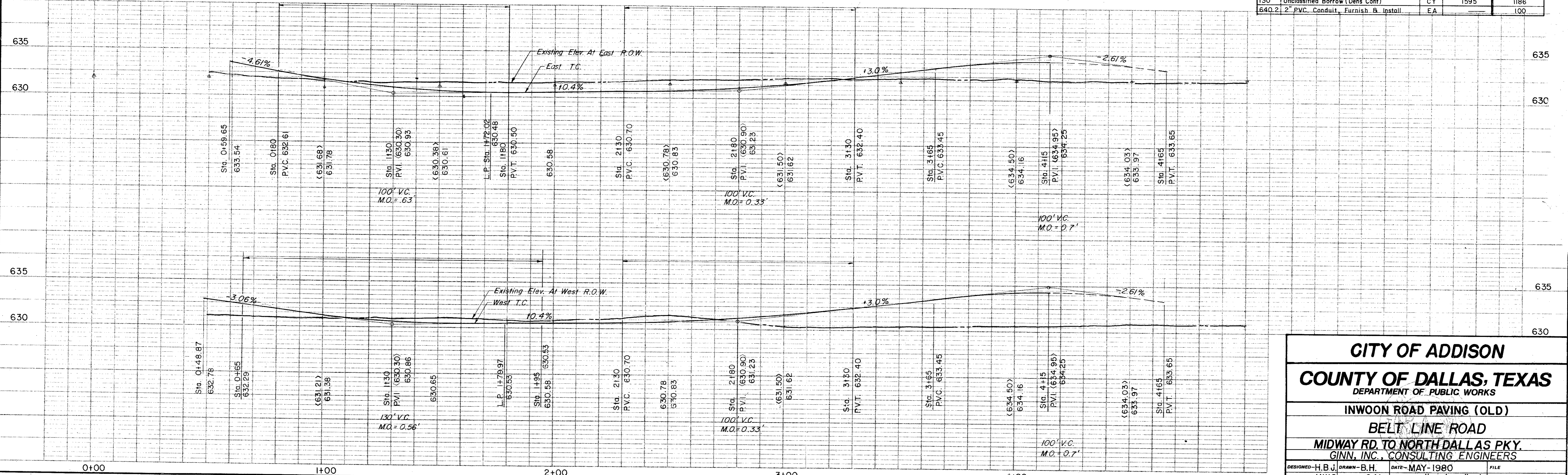
DESIGNED - H.B.J. / DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G. / CHECKED - S.M.	SCALE - H=1/2" / V=1" = 5'	SHEET 27 OF



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

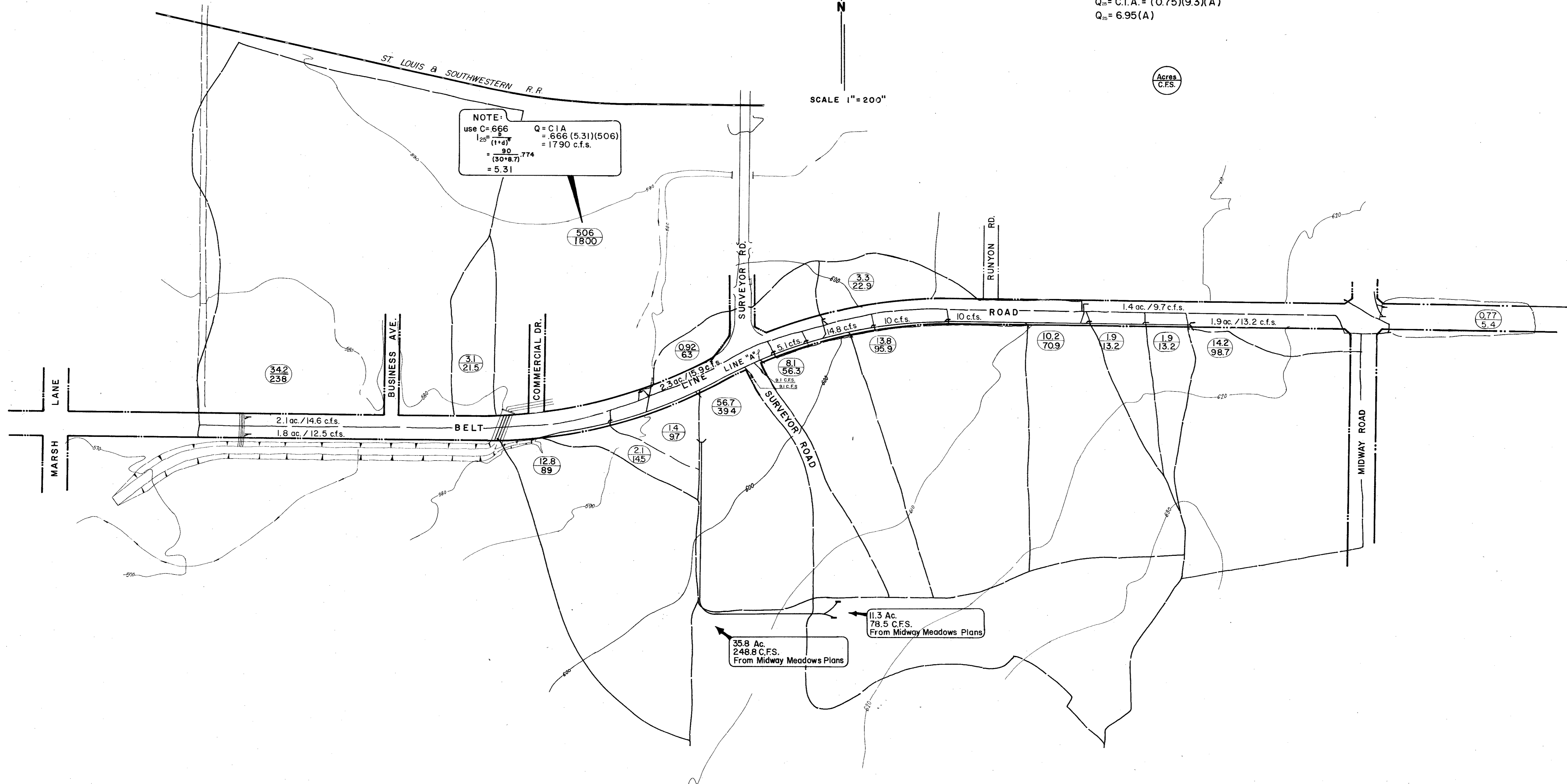
INWOOD ROAD PAVING (OLD)
BELT LINE ROAD
 MIDWAY RD. TO NORTH DALLAS PKY.
 GINN, INC., CONSULTING ENGINEERS

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
 $I_{24} = \frac{b}{(1+d)^e} = \frac{90}{(10+8.7)^{0.774}} = 9.3 \text{ in/hr.}$
 $Q_{24} = C.I.A. = (0.75)(9.3)(A)$
 $Q_{24} = 6.95(A)$

SCALE 1" = 200'

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



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

Drainage Calculations (T.H.D. Hydraulic Manual)

Rolling Terrain 1% - 3.5%
 Impervious Soil
 Commercial C = 0.6 - 0.9 (use C = 0.75)

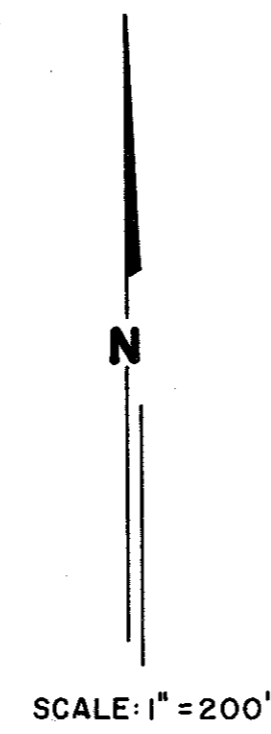
For Dallas County

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

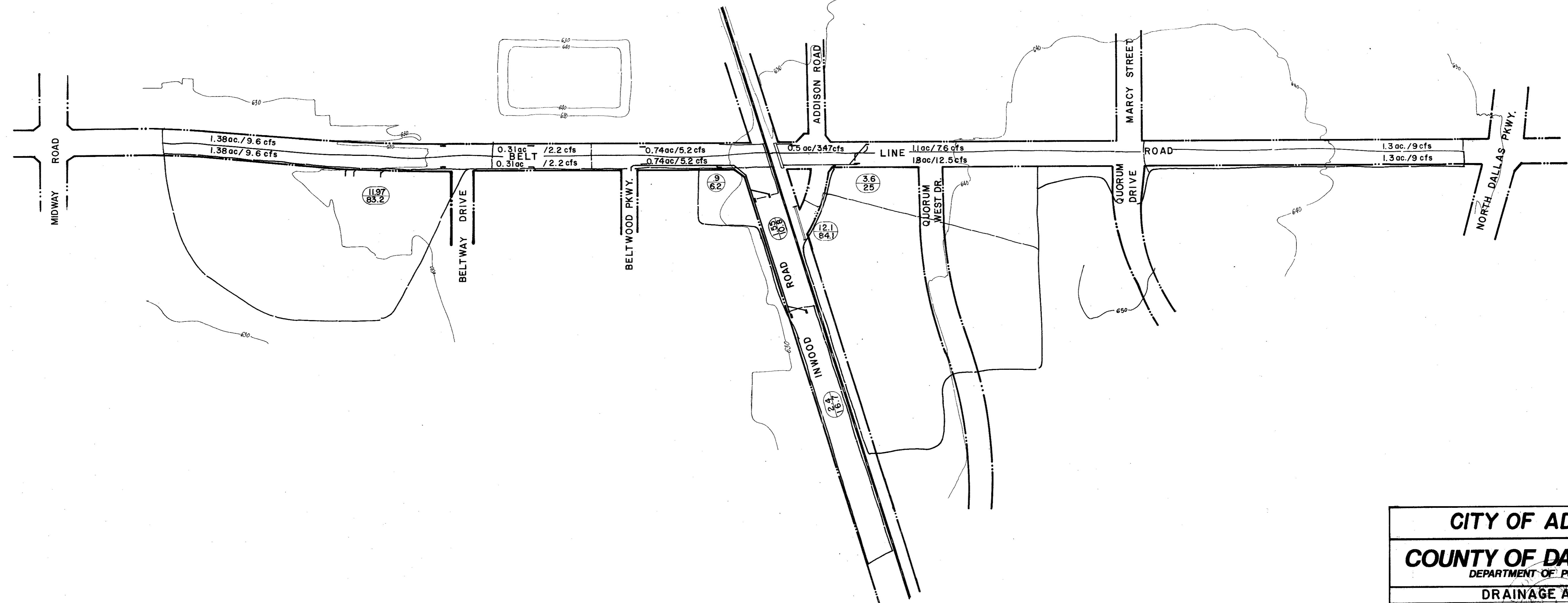
$$Q_{24} = C.I.A. = (0.75)(9.3)(A)$$

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

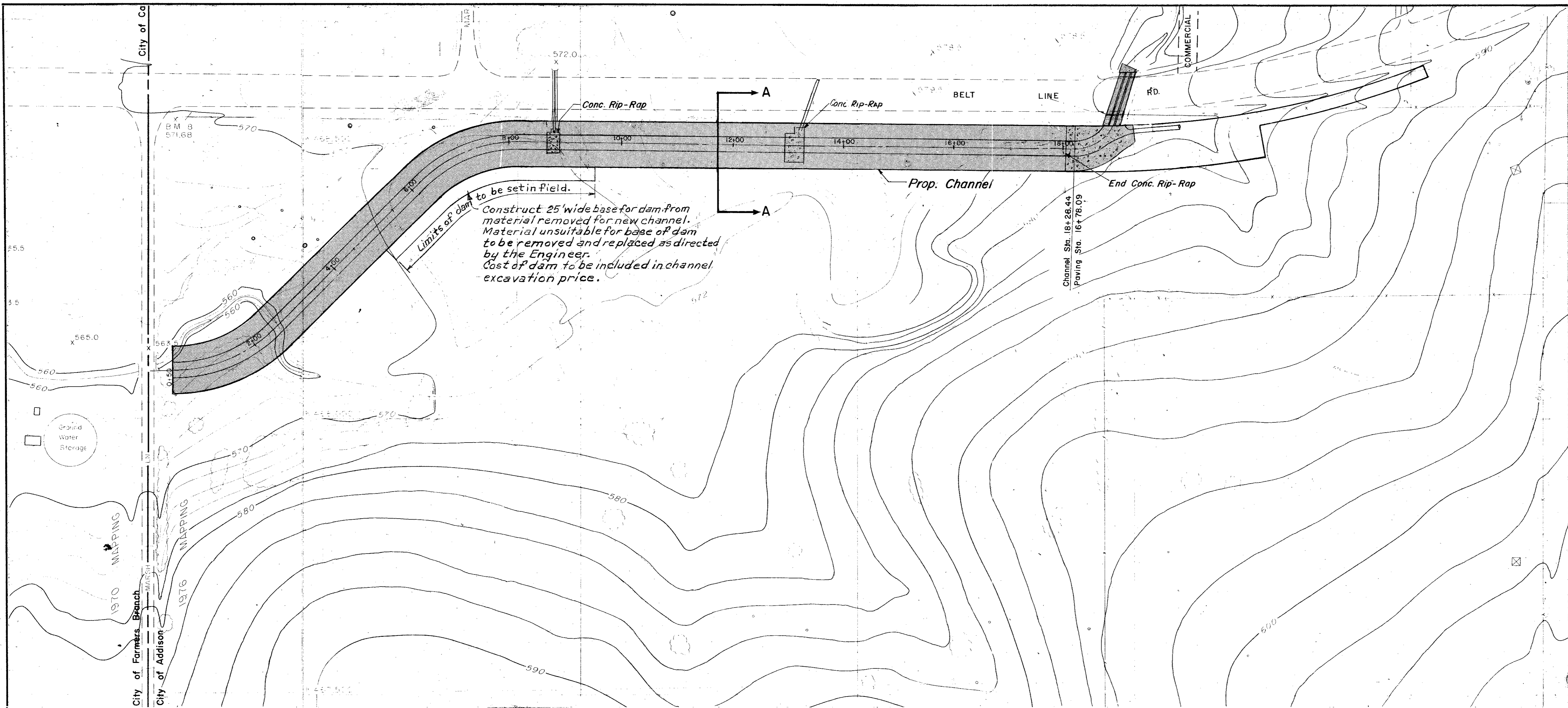
Acres
 C.F.S.



SCALE: 1" = 200'

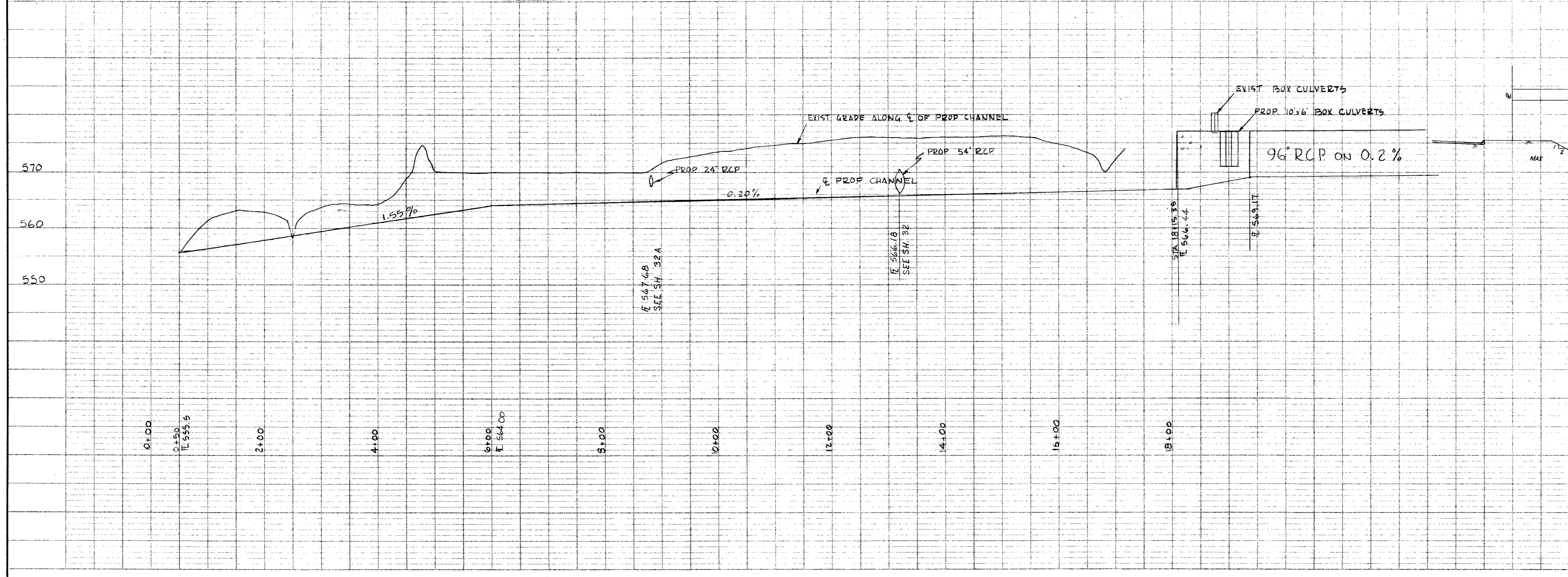


CITY OF ADDISON		
COUNTY OF DALLAS, TEXAS		
<small>DEPARTMENT OF PUBLIC WORKS</small>		
DRAINAGE AREA MAP		
BELT LINE ROAD		
MIDWAY ROAD TO NORTH DALLAS PKWY.		
GINN, INC., CONSULTING ENGINEERS		
<small>DESIGNED - H.B.J.</small>	<small>DRAWN - B.H.</small>	<small>DATE - MAY-1980</small>
<small>APPROVED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



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
120	Prop. Chan. Exc. (This Cont.)	L.S.	1
164	Re-rip for Erosion Cont.	Sq. Yd.	15,000.0

- LEGEND**
- Bench Mark
 - Iron Pin
 - Monument
 - 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 Post Box
 - Wash Arm Pole Foundation (Type A or B)
 - Pedestal Pole Foundation (Type C)
 - Signal Illumination Pole Foundation (Type D)
 - T.C. Top Of Curb
 - Flow Line



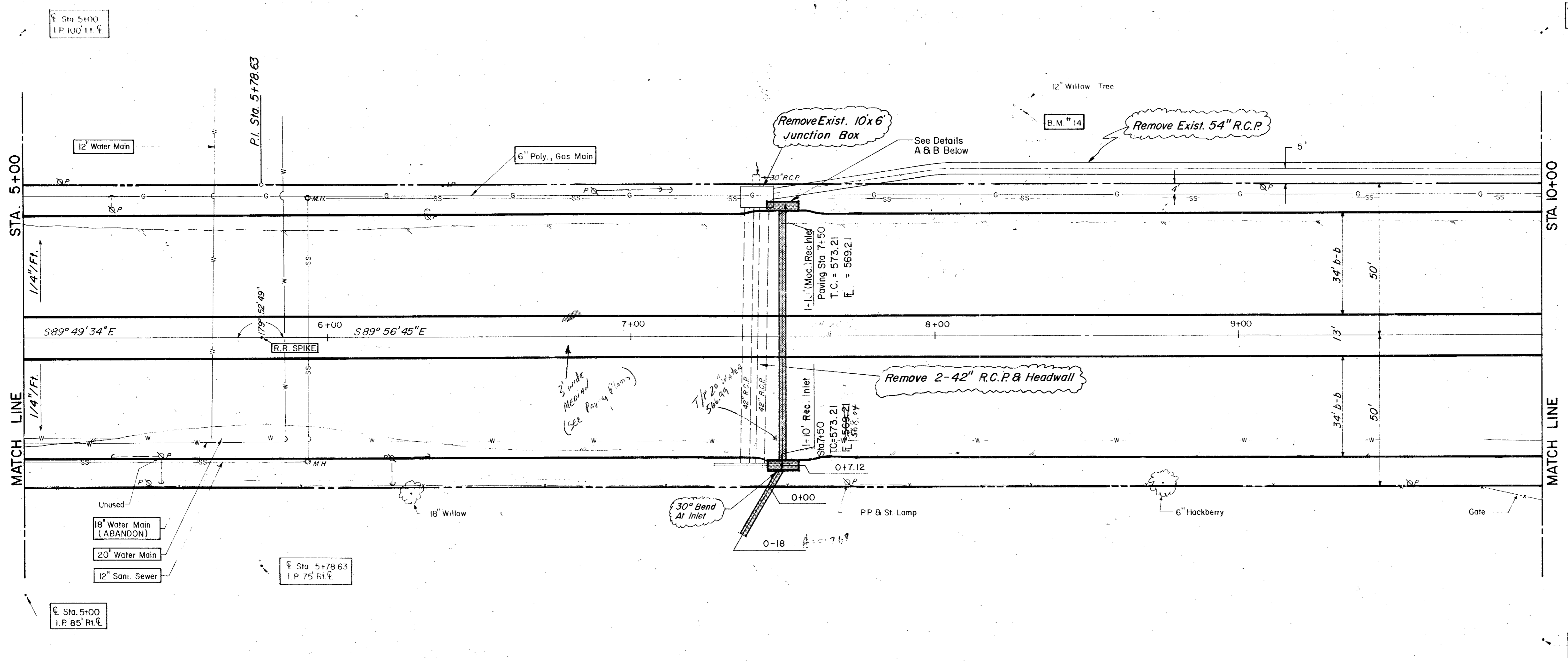
6-13-80
REVISION DATE

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

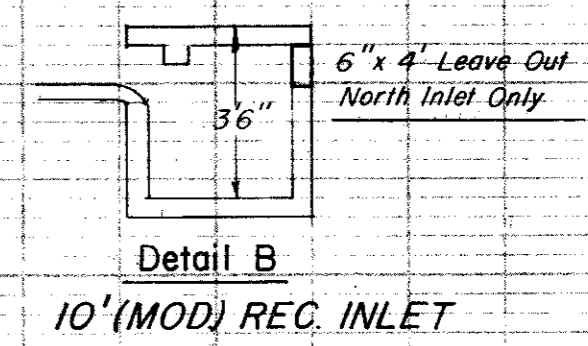
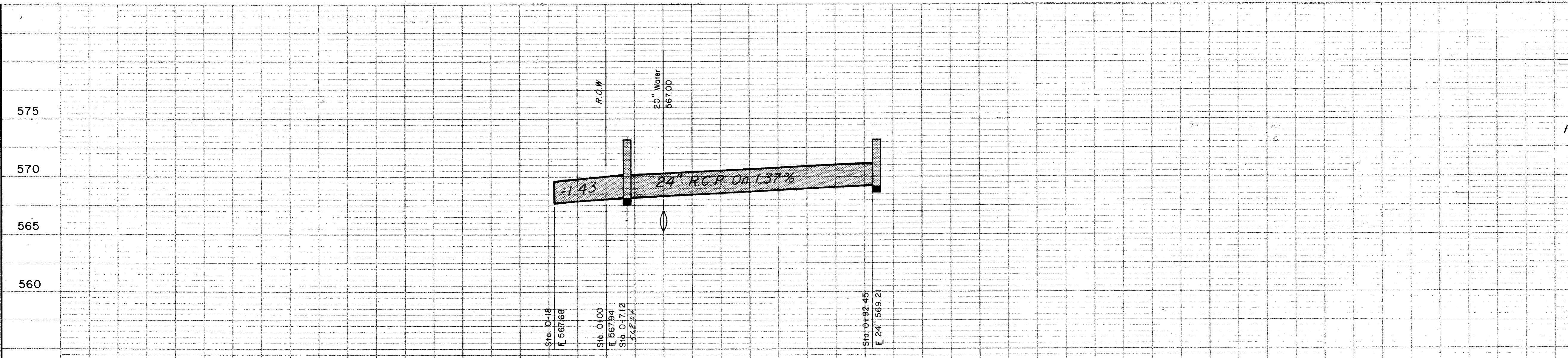
DESIGNED - J.C.H. DRAWN - B.H. DATE - MAY-1980 FILE
 APPROVED - HWG CHECKED - S.M. SCALE - H=1"=100' V=1"=10' SHEET 31 OF

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



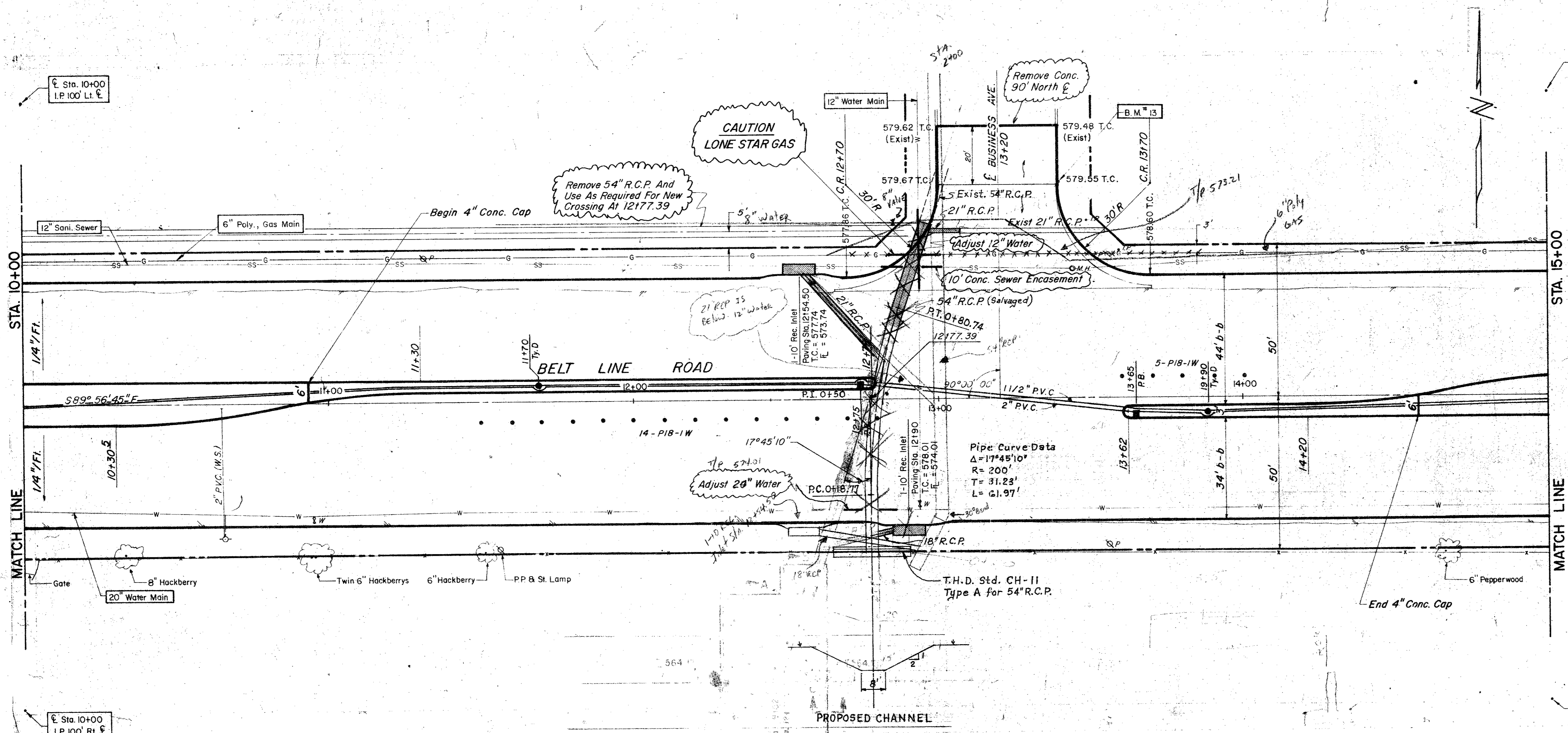
NO SCALE

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

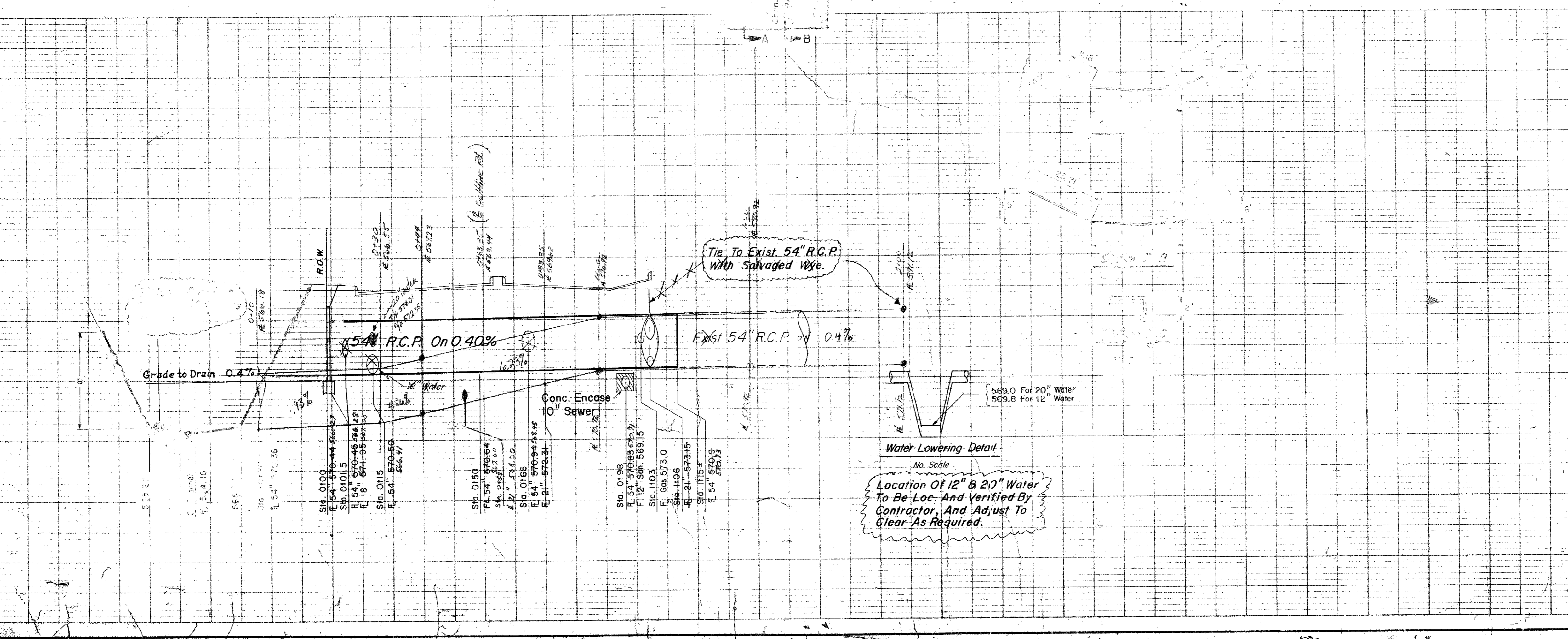
DESIGNED - J.C.H. DRAWN - B.H. DATE - MAY - 1980 FILE
 APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20' V=1"=5' SHEET 32 OF

ESTIMATED QUANTITIES			
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

- Bench Mark
- Iron Pin
- Monument
- Gas Main
- Power Line (Typical Pole Symbol)
- Telephone Line
- Water Main
- Water Valve
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Elevation Indication
- Property or Right-of-Way Line (ROW)
- Easement Line
- Traffic Pole Base
- Mark 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

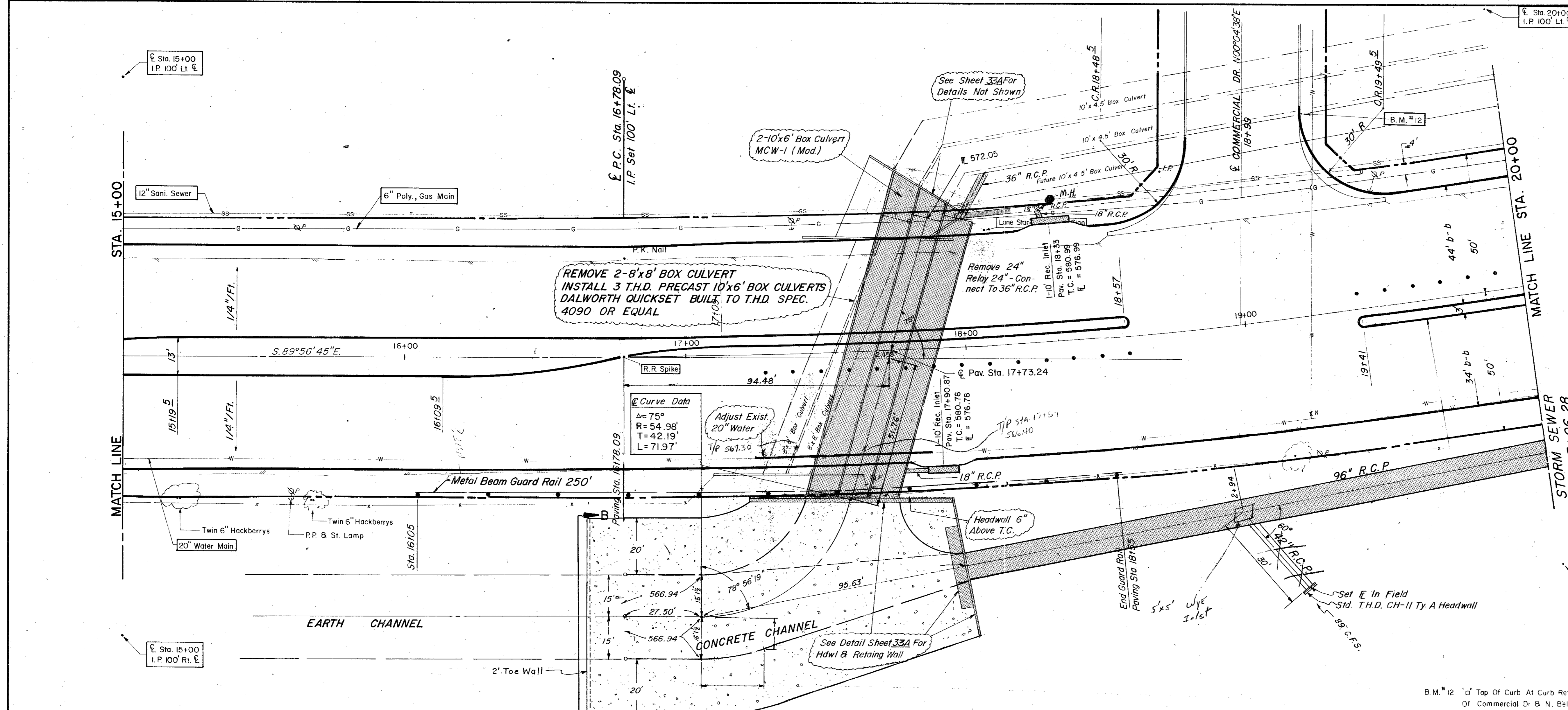
MARSH LN. TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

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

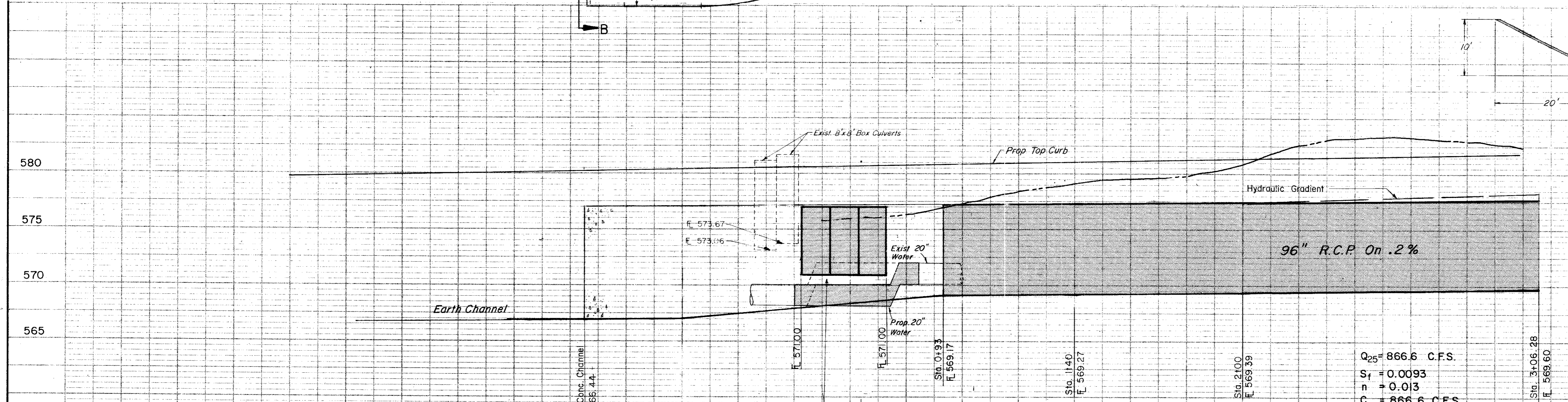
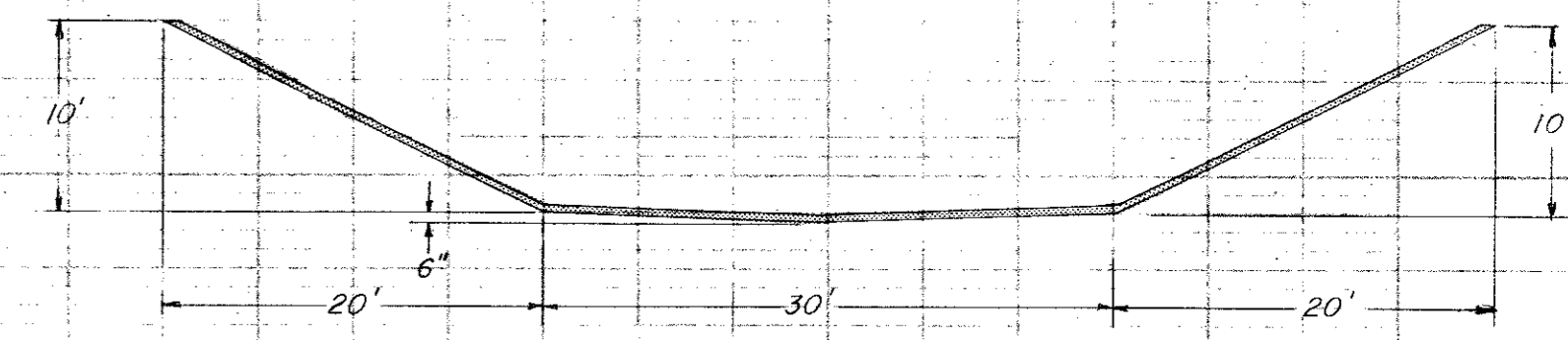
ITEM	DESCRIPTION	UNIT	QUANTITY
4000	PRECAST 10'x6' CONC. BOX CVLT	LF	315
421.1	CL. A CONC. FOR HEADWALLS	CY	4.1
432.2	CONC. RETAINING WALLS (CL. III)	CY	64.4
432	18" R.C.P. CHANNEL	LF	1055
465.13	9" R.C.P.	LF	213
479.3	Adjust 20" Water Main	LF	43.0
490.1	Remove 24" R.C.P.	LF	1.0
490.2	Remove 24" R.C.P. (CL. III)	LF	1.0
496.4	REMOVE 24" R.C.P. CONC. TO 3"	LF	1.2
496.5	REMOVE CULVERT WINGWALLS	SY	100
496.6	FOOTING PARAPET (STA 17+35)	LF	1.2
440.1	REMOVE 24" R.C.P.	LF	1.2
440.2	REMOVE 24" R.C.P. CONC. TO 3"	LF	1.2
440.3	REMOVE 24" R.C.P. CONC. TO 3"	LF	1.2
440.4	REMOVE 24" R.C.P. CONC. TO 3"	LF	1.2
440.5	REMOVE 24" R.C.P. CONC. TO 3"	LF	1.2
550	Steel Guard Rail	LF	280
440.1	Reinf. Steel Headwall	CY	2.5
440.2	Reinf. Steel Headwall	CY	2.5
440.3	Reinf. Steel Headwall	CY	2.5
440.4	Reinf. Steel Headwall	CY	2.5
440.5	Reinf. Steel Headwall	CY	2.5
440.6	Reinf. Steel Headwall	CY	2.5
440.7	Reinf. Steel Headwall	CY	2.5
440.8	Reinf. Steel Headwall	CY	2.5
440.9	Reinf. Steel Headwall	CY	2.5
440.10	Reinf. Steel Headwall	CY	2.5
440.11	Reinf. Steel Headwall	CY	2.5
440.12	Reinf. Steel Headwall	CY	2.5
440.13	Reinf. Steel Headwall	CY	2.5
440.14	Reinf. Steel Headwall	CY	2.5
440.15	Reinf. Steel Headwall	CY	2.5
440.16	Reinf. Steel Headwall	CY	2.5
440.17	Reinf. Steel Headwall	CY	2.5
440.18	Reinf. Steel Headwall	CY	2.5
440.19	Reinf. Steel Headwall	CY	2.5
440.20	Reinf. Steel Headwall	CY	2.5
440.21	Reinf. Steel Headwall	CY	2.5
440.22	Reinf. Steel Headwall	CY	2.5
440.23	Reinf. Steel Headwall	CY	2.5
440.24	Reinf. Steel Headwall	CY	2.5
440.25	Reinf. Steel Headwall	CY	2.5
440.26	Reinf. Steel Headwall	CY	2.5
440.27	Reinf. Steel Headwall	CY	2.5
440.28	Reinf. Steel Headwall	CY	2.5
440.29	Reinf. Steel Headwall	CY	2.5
440.30	Reinf. Steel Headwall	CY	2.5
440.31	Reinf. Steel Headwall	CY	2.5
440.32	Reinf. Steel Headwall	CY	2.5
440.33	Reinf. Steel Headwall	CY	2.5
440.34	Reinf. Steel Headwall	CY	2.5
440.35	Reinf. Steel Headwall	CY	2.5
440.36	Reinf. Steel Headwall	CY	2.5
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440.39	Reinf. Steel Headwall	CY	2.5
440.40	Reinf. Steel Headwall	CY	2.5
440.41	Reinf. Steel Headwall	CY	2.5
440.42	Reinf. Steel Headwall	CY	2.5
440.43	Reinf. Steel Headwall	CY	2.5
440.44	Reinf. Steel Headwall	CY	2.5
440.45	Reinf. Steel Headwall	CY	2.5
440.46	Reinf. Steel Headwall	CY	2.5
440.47	Reinf. Steel Headwall	CY	2.5
440.48	Reinf. Steel Headwall	CY	2.5
440.49	Reinf. Steel Headwall	CY	2.5
440.50	Reinf. Steel Headwall	CY	2.5
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440.73	Reinf. Steel Headwall	CY	2.5
440.74	Reinf. Steel Headwall	CY	2.5
440.75	Reinf. Steel Headwall	CY	2.5
440.76	Reinf. Steel Headwall	CY	2.5
440.77	Reinf. Steel Headwall	CY	2.5
440.78	Reinf. Steel Headwall	CY	2.5
440.79	Reinf. Steel Headwall	CY	2.5
440.80	Reinf. Steel Headwall	CY	2.5
440.81	Reinf. Steel Headwall	CY	2.5
440.82	Reinf. Steel Headwall	CY	2.5
440.83	Reinf. Steel Headwall	CY	2.5
440.84	Reinf. Steel Headwall	CY	2.5
440.85	Reinf. Steel Headwall	CY	2.5
440.86	Reinf. Steel Headwall	CY	2.5
440.87	Reinf. Steel Headwall	CY	2.5
440.88	Reinf. Steel Headwall	CY	2.5
440.89	Reinf. Steel Headwall	CY	2.5
440.90	Reinf. Steel Headwall	CY	2.5
440.91	Reinf. Steel Headwall	CY	2.5
440.92	Reinf. Steel Headwall	CY	2.5
440.93	Reinf. Steel Headwall	CY	2.5
440.94	Reinf. Steel Headwall	CY	2.5
440.95	Reinf. Steel Headwall	CY	2.5
440.96	Reinf. Steel Headwall	CY	2.5
440.97	Reinf. Steel Headwall	CY	2.5
440.98	Reinf. Steel Headwall	CY	2.5
440.99	Reinf. Steel Headwall	CY	2.5
440.100	Reinf. Steel Headwall	CY	2.5

LEGEND

- Bench Mark
- Iron Pin
- 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
- Fencing Line
- Flow Direction Indicator
- Property or Right-of-Way Line (DASHED)
- Easement Line
- Traffic Pull Box
- Misc. Arm Pole Foundation (Type A or B)
- Pedestal Pole Foundation (Type C)
- Signal Illumination Pole Foundation (Type D)
- Top of Curb
- Flow Line



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



$Q_{25} = 866.6$ C.F.S.
 $n = 0.0093$
 $S_f = 0.013$
 $C = 866.6$ 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.

Remove wall to top of box.

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

Remove parapet. Bend reinf into new box.

Remove wall footing.

Extend reinf into new box.

Remove parapet. Bend reinf into new box.

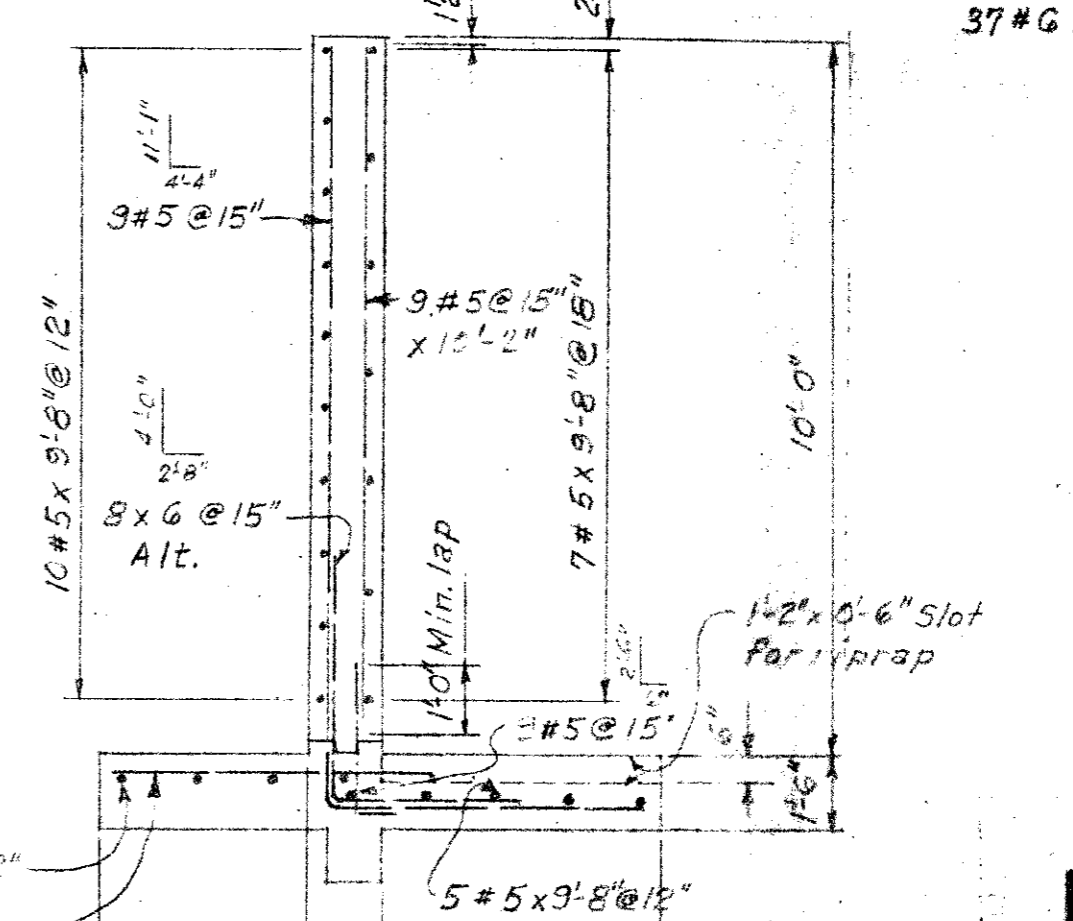
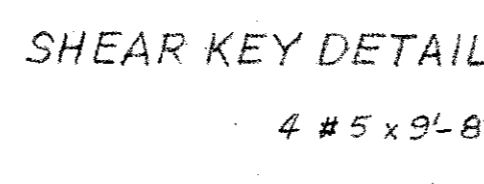
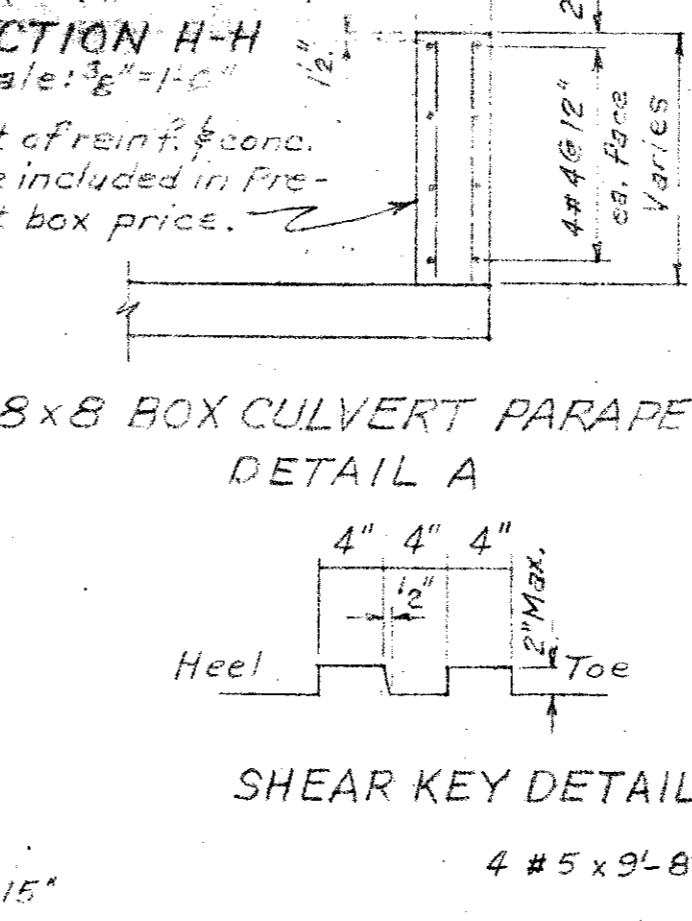
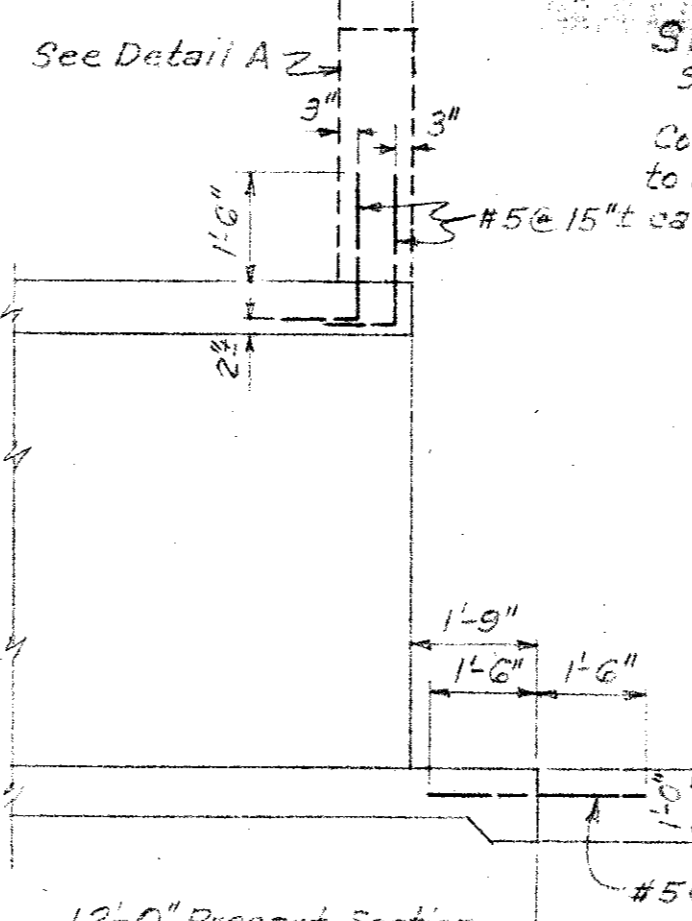
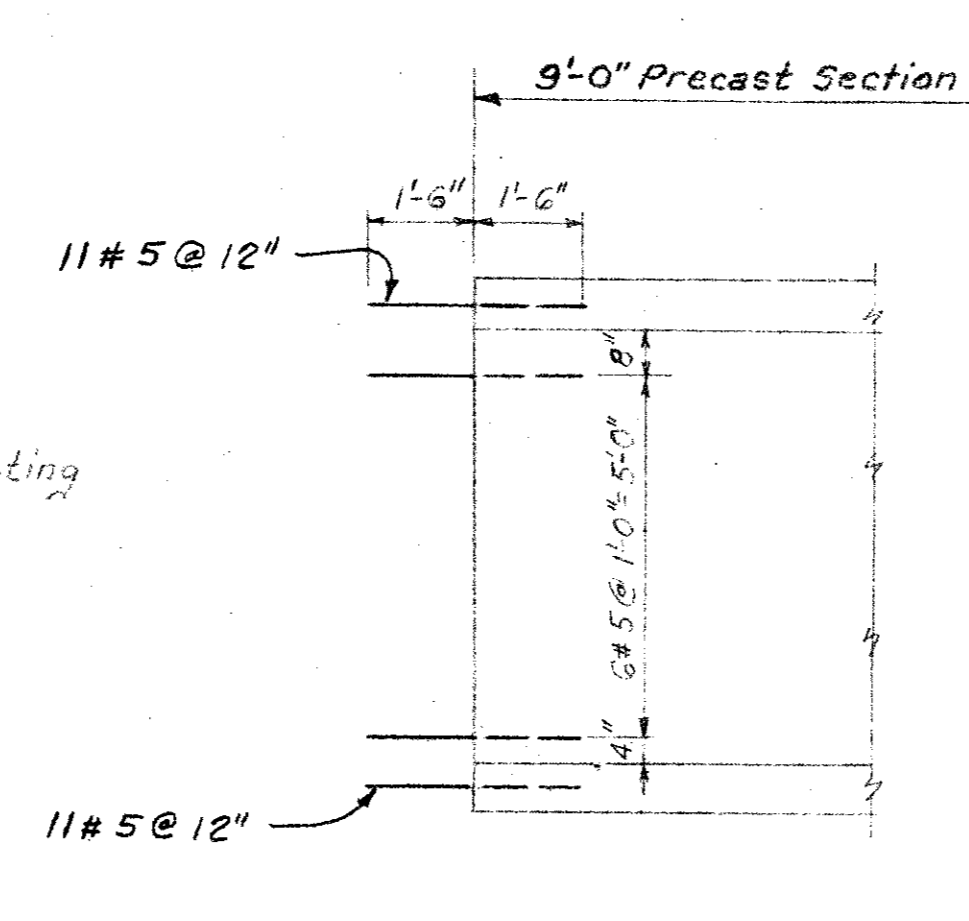
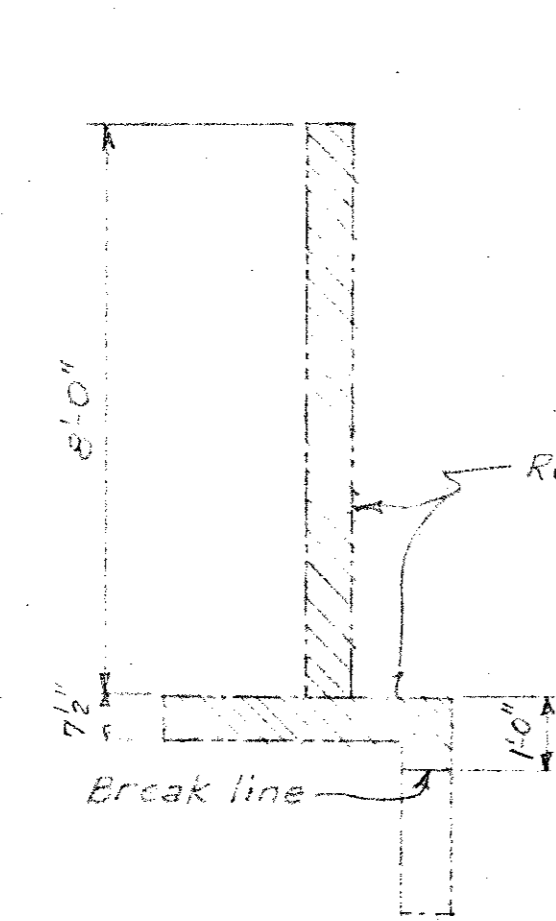
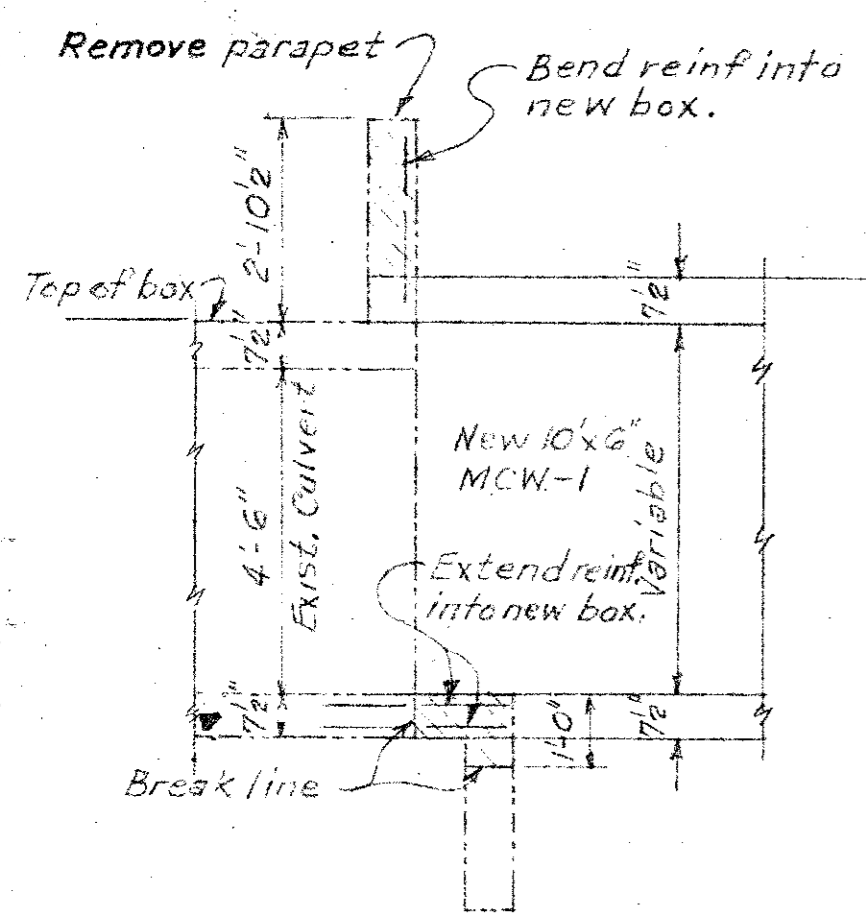
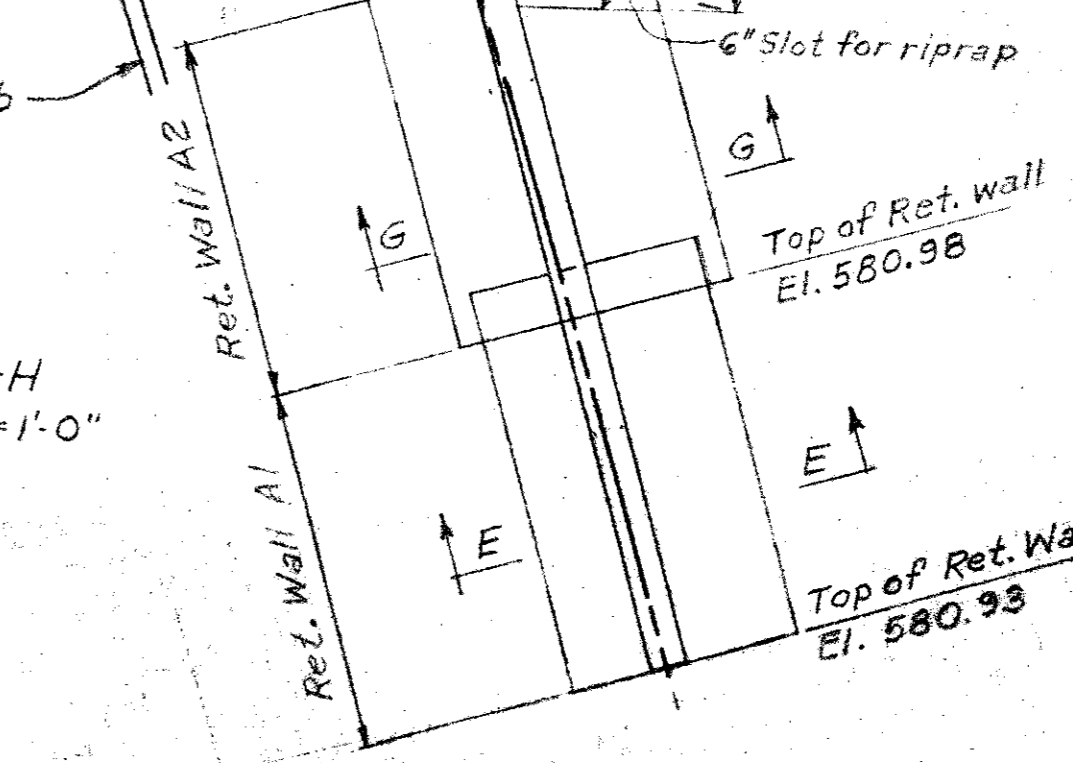
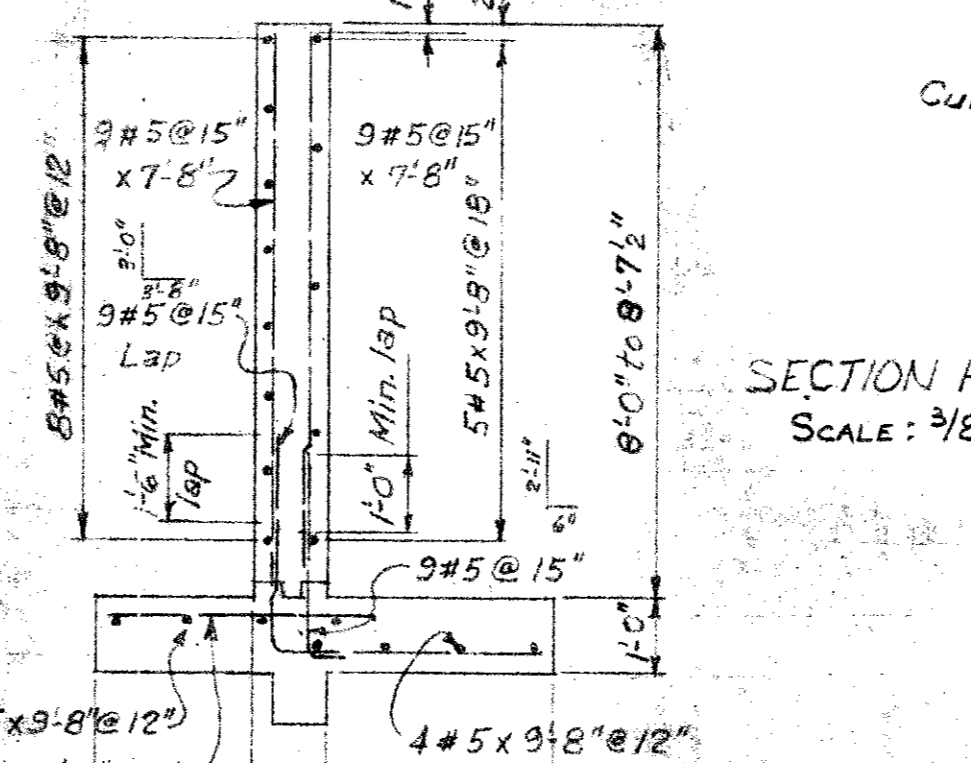
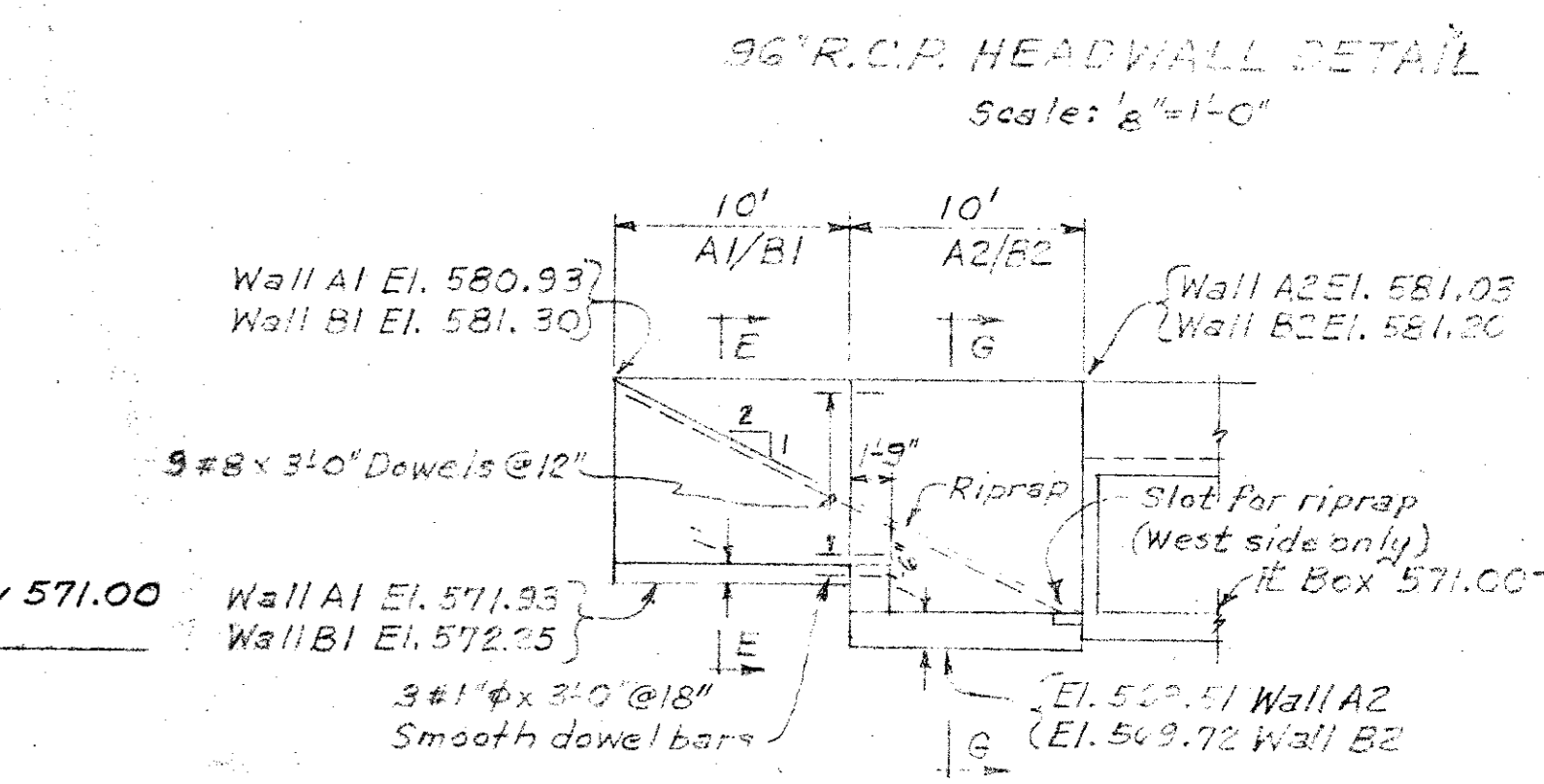
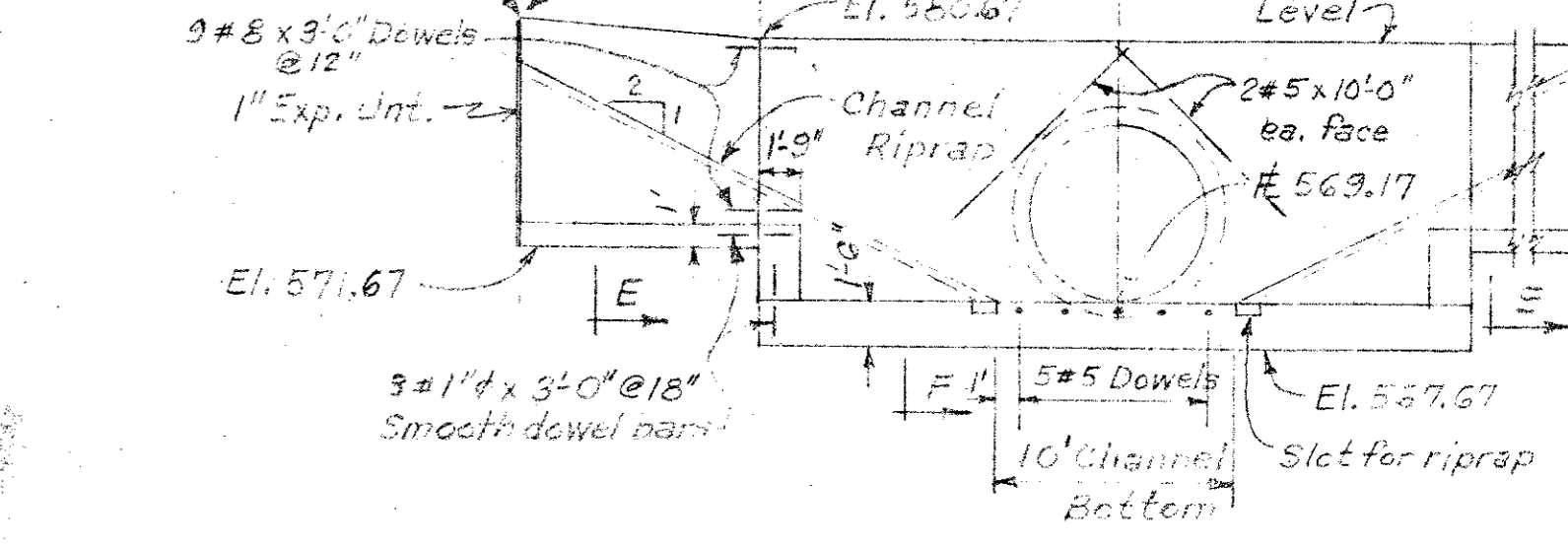
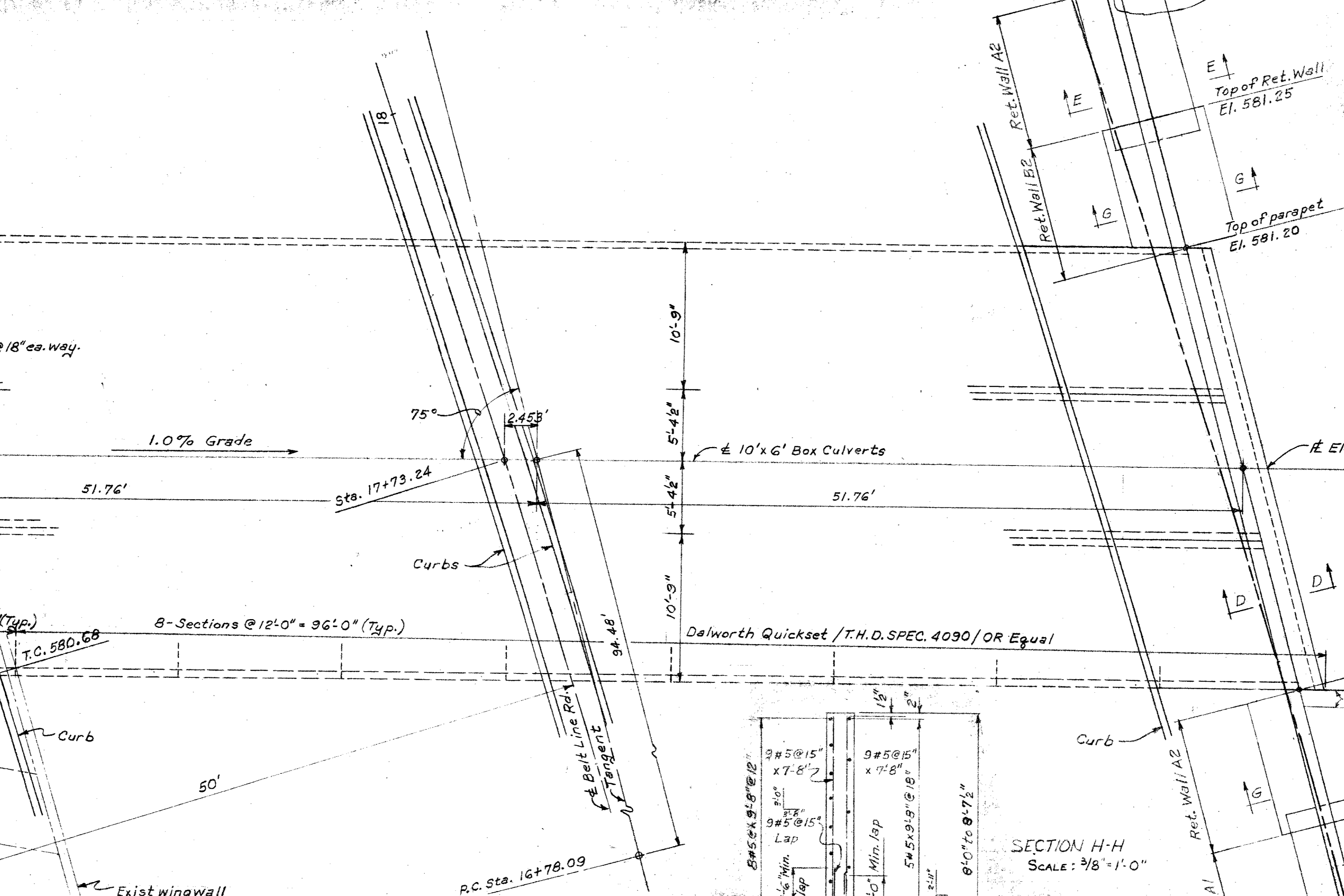
Remove wall footing.

Extend reinf into new box.

Remove parapet. Bend reinf into new box.

Remove wall footing.

Extend reinf into new box.

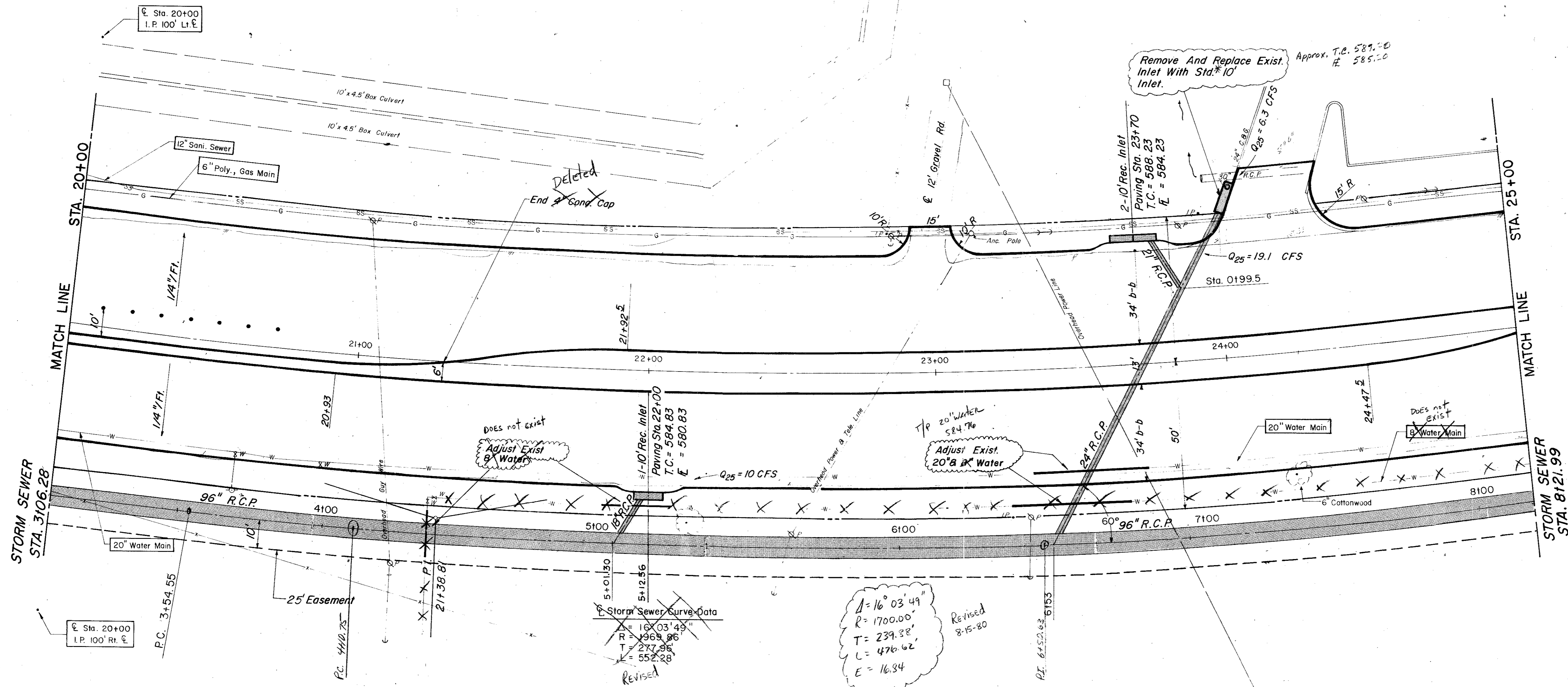


RETAINING WALL NOTES
All concrete to be Class C, f_c = 3000 psi in 28 days.
All reinf. steel to be A.S.T.M. Grade 60.
Concrete 64.4 C.Y.
Reinf. Steel 6061 Lbs.

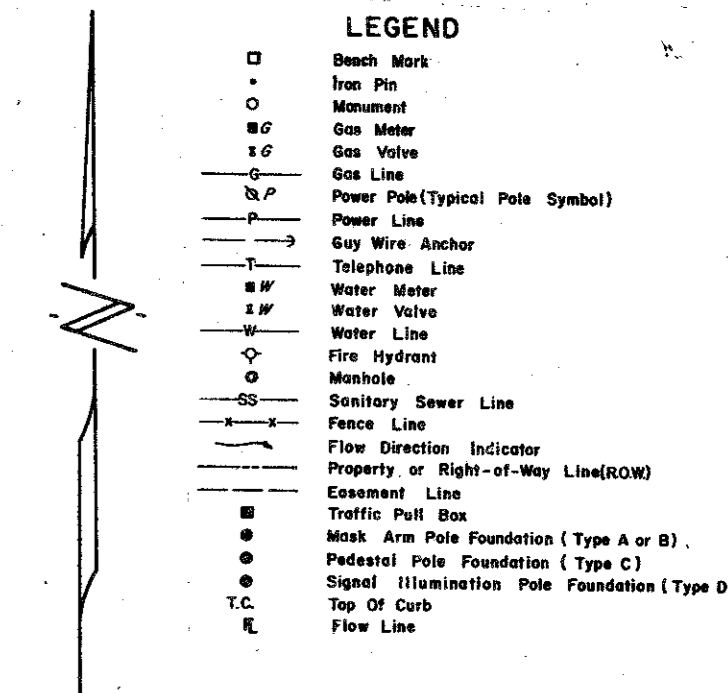
1	Add. Sh.	6-13-80
NO.	REVISION	DATE

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

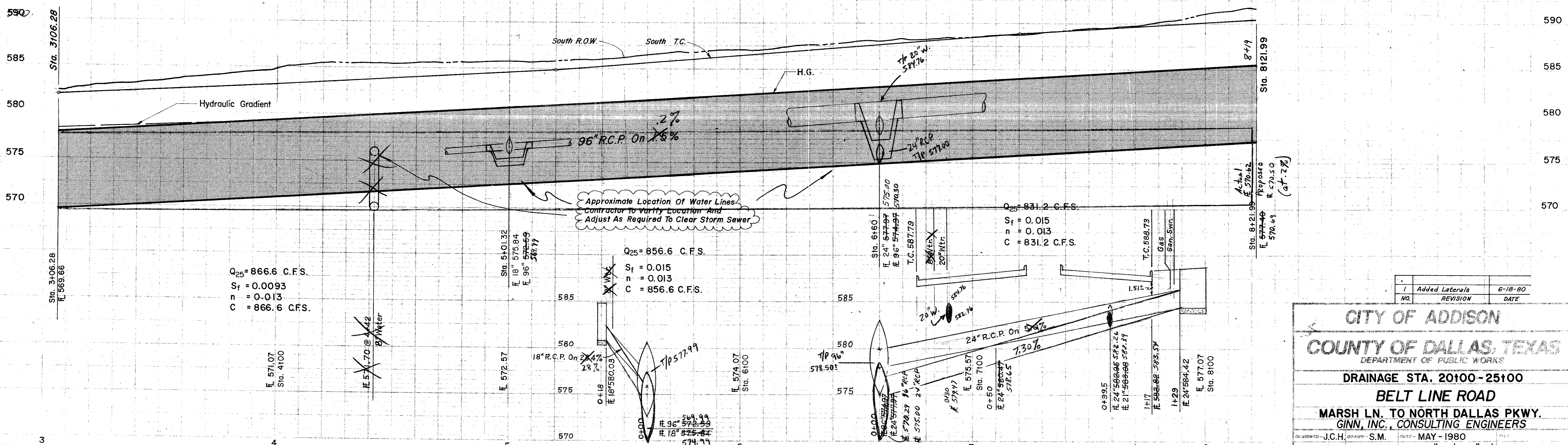
DESIGNED - A.C.F. DRAWN - A.C.F. DATE - JUNE 1980 FILE
APPROVED - HWG CHECKED - S.M. SCALE - AS SHOWN SHEET 33 A OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
465.1	18" R.C.P.	LF	17.0
465.2	24" R.C.P.	LF	137.0
465.3	24" R.C.P.	LF	117.0
470.4	12" Sanitary Sewer	EA	1.0
470.5	24" Water Main	LF	20.0
470.6	Adjust 20" Water Main	LF	47.0

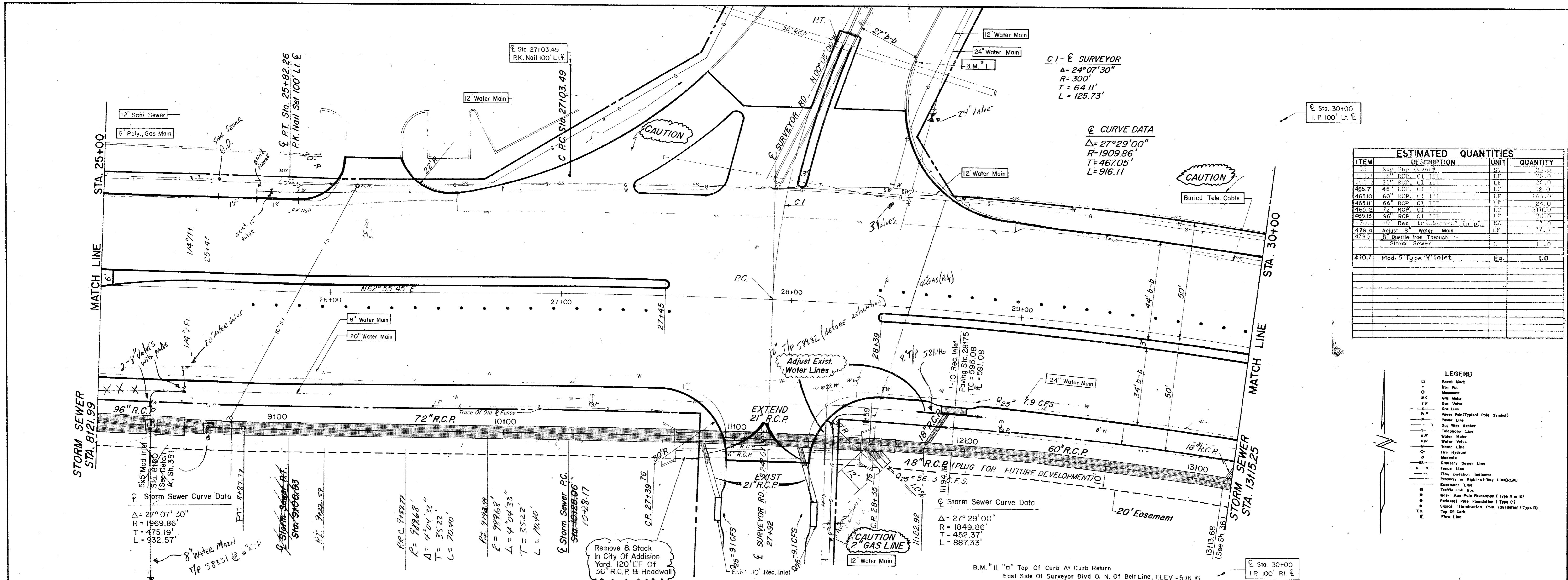


Storm Sewer Curve Data
 $\Delta = 16^{\circ} 03' 49''$
 $R = 1700.00'$
 $T = 239.38'$
 $L = 470.62'$
 $E = 16.34'$
 Revised 8-15-80



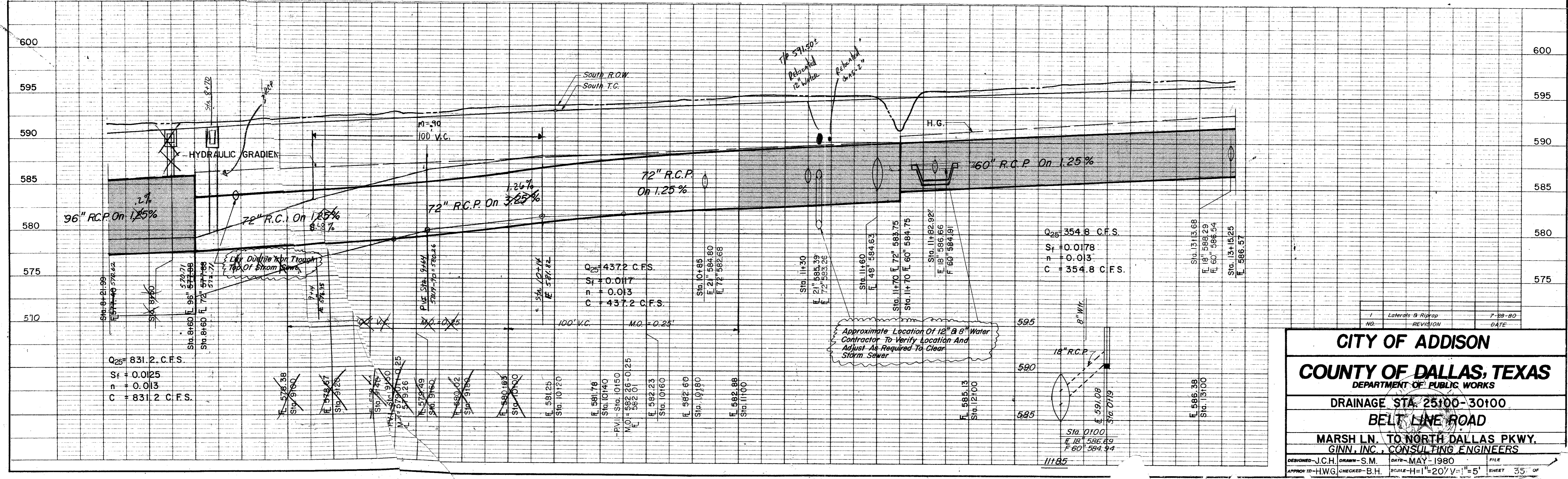
CITY OF ADDISON
 COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
 DRAINAGE STA. 20+00-25+00
 BELT LINE ROAD
 MARSH LN. TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - J.C.H. 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	60" 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**
- Bench Mark
 - Iron Pin
 - Monument
 - Gas Meter
 - Gas Valve
 - Gas Line
 - Power Pole (Typical Pole Symbol)
 - Power Line
 - Guy Wire Anchor
 - Telephone Line
 - Water Meter
 - Water Valve
 - Water Line
 - Fire Hydrant
 - Manhole
 - Sanitary Sewer Line
 - Fence Line
 - Flow Direction Indicator
 - Property or Right-of-Way Line (ROW)
 - Easement Line
 - Traffic 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. 25+00-30+00
BELT LINE ROAD
 MARSH LN. TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

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

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

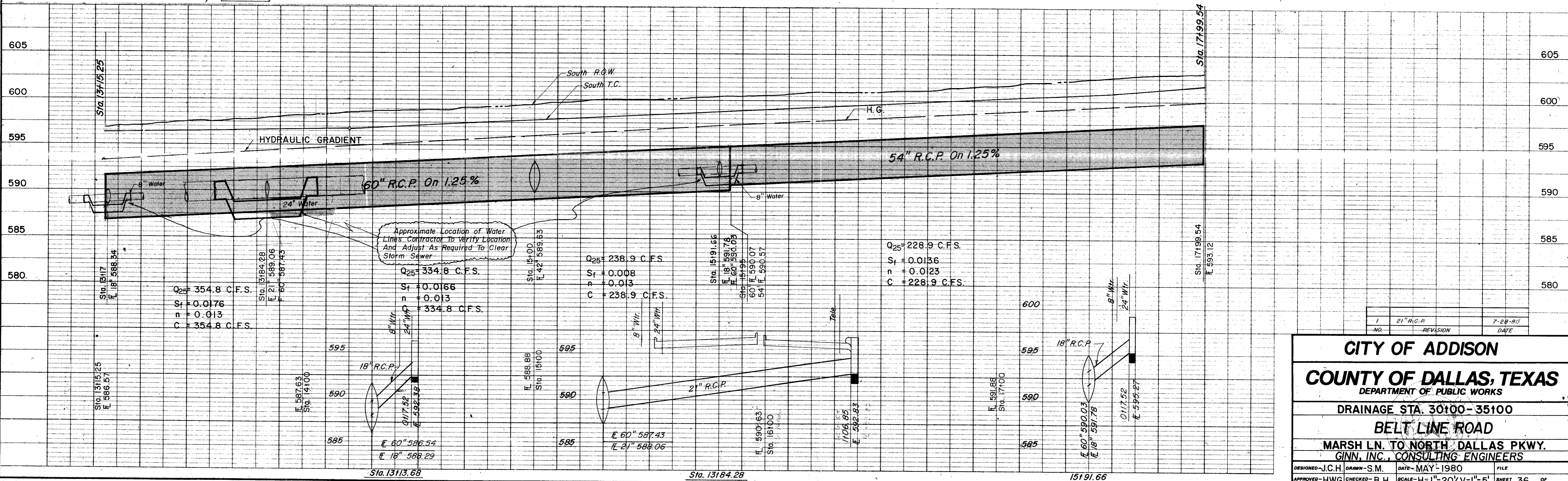
Sta 35+00
 I.P. 100' Lt. E

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. 3/4" p.l.	EA	2
479.3	Adjust 24" Water Main	LF	40.0
479.4	Adjust 8" Water Main	LF	60.0

LEGEND

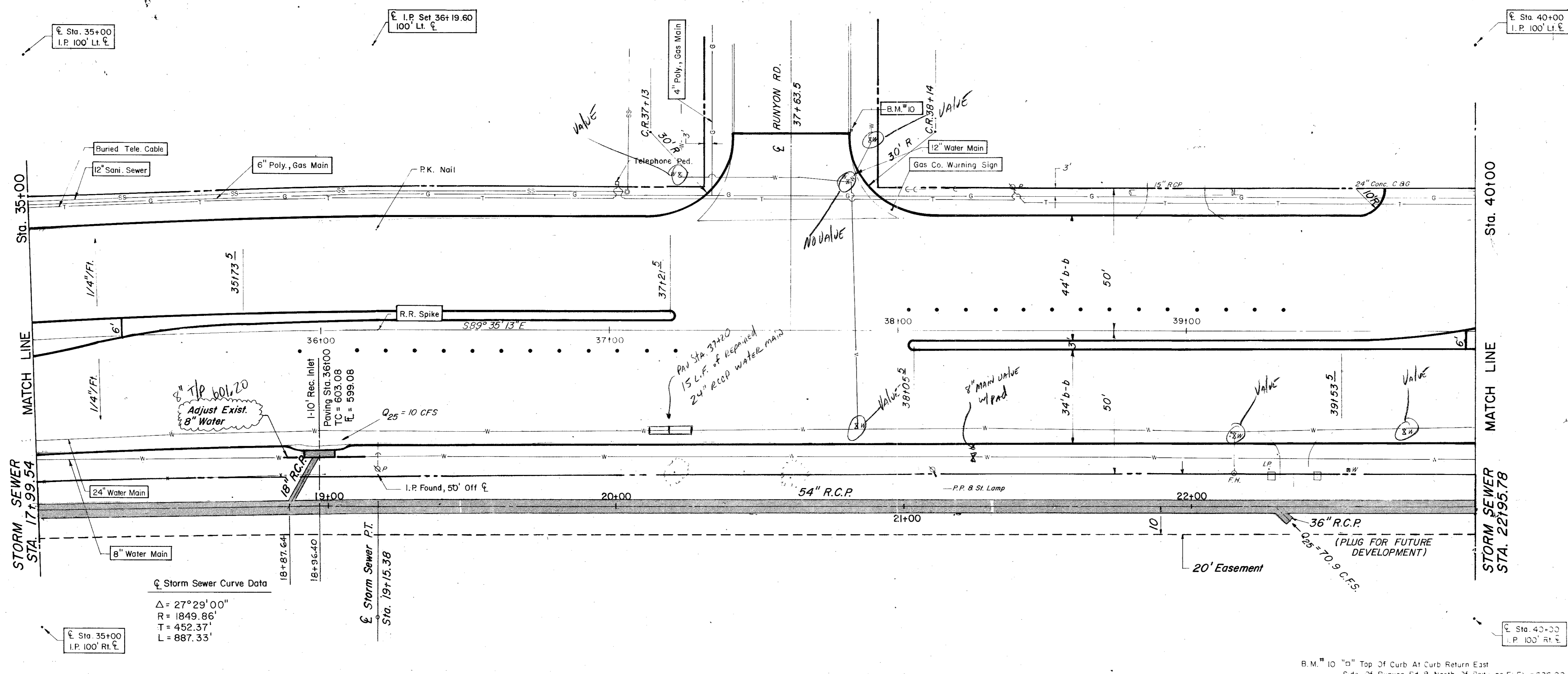
- Blank Mark
- Iron Pin
- Monument
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Power Line
- Telephone Line
- Guy Wire Anchor
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction
- Property or Right-of-Way Line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



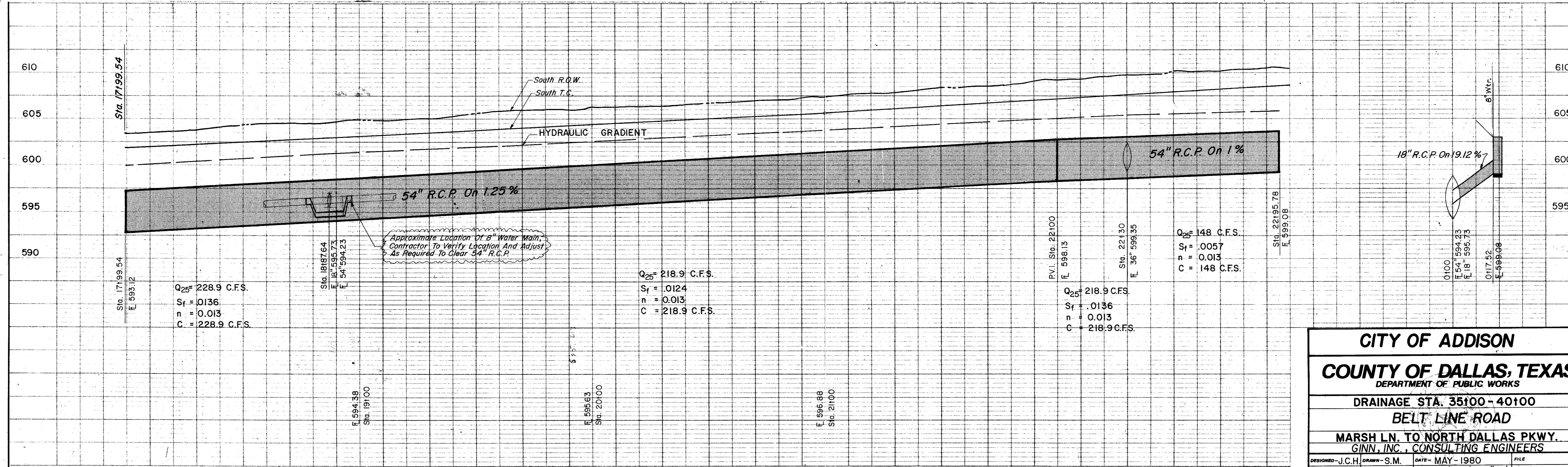
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
455.1	18" R.C.P. (11)	LF	20.0
465.9	36" R.C.P. (11)	LF	20.0
465.9	54" R.C.P. (11)	LF	20.0
470.2	10" Pipe Inlet (1)	EA	1.0
479.4	24" Water Main (1)	LF	20.0

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 Box
○	Block Arm Pole Foundation (Type A or B)
○	Pedestal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Curb
○	Flow Line

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

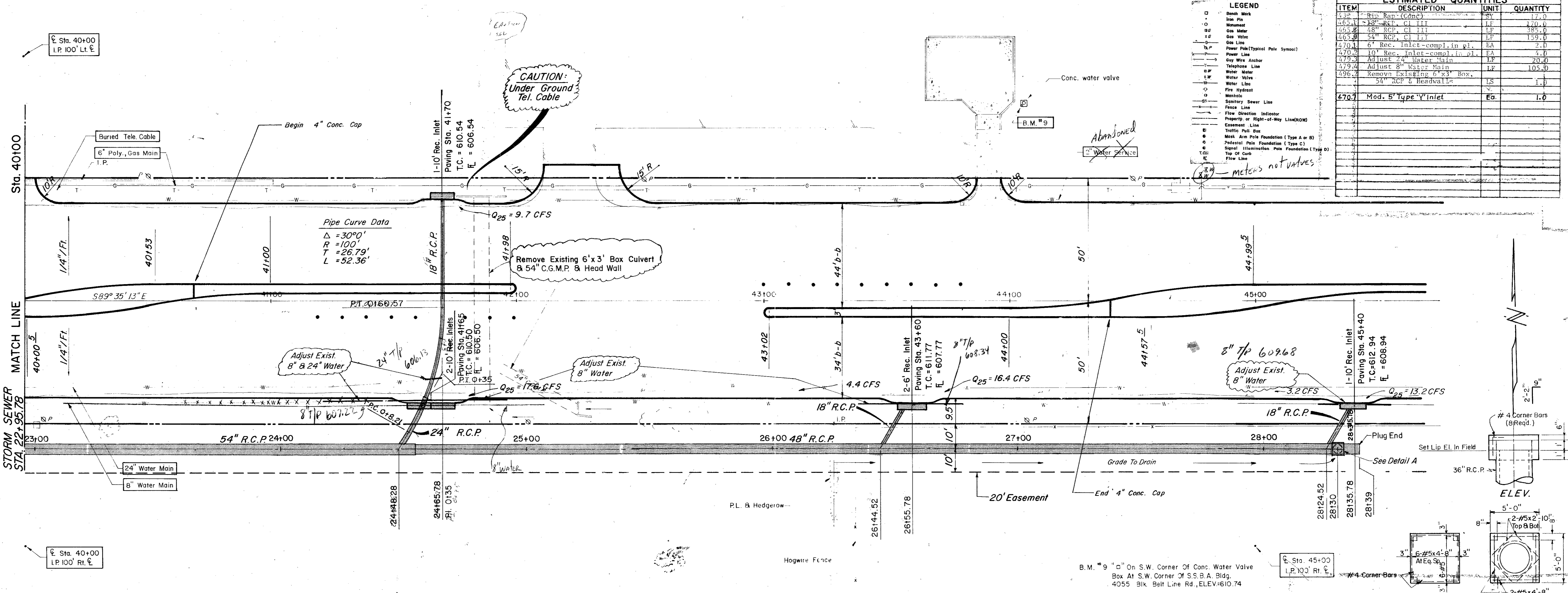
See Carl

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



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

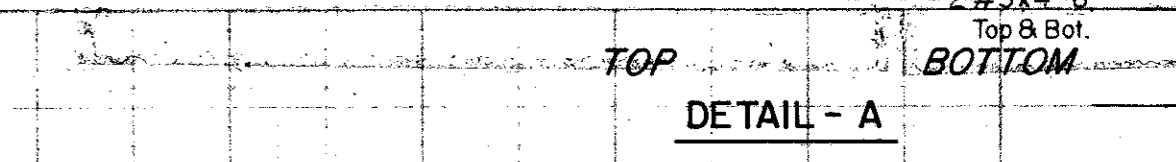
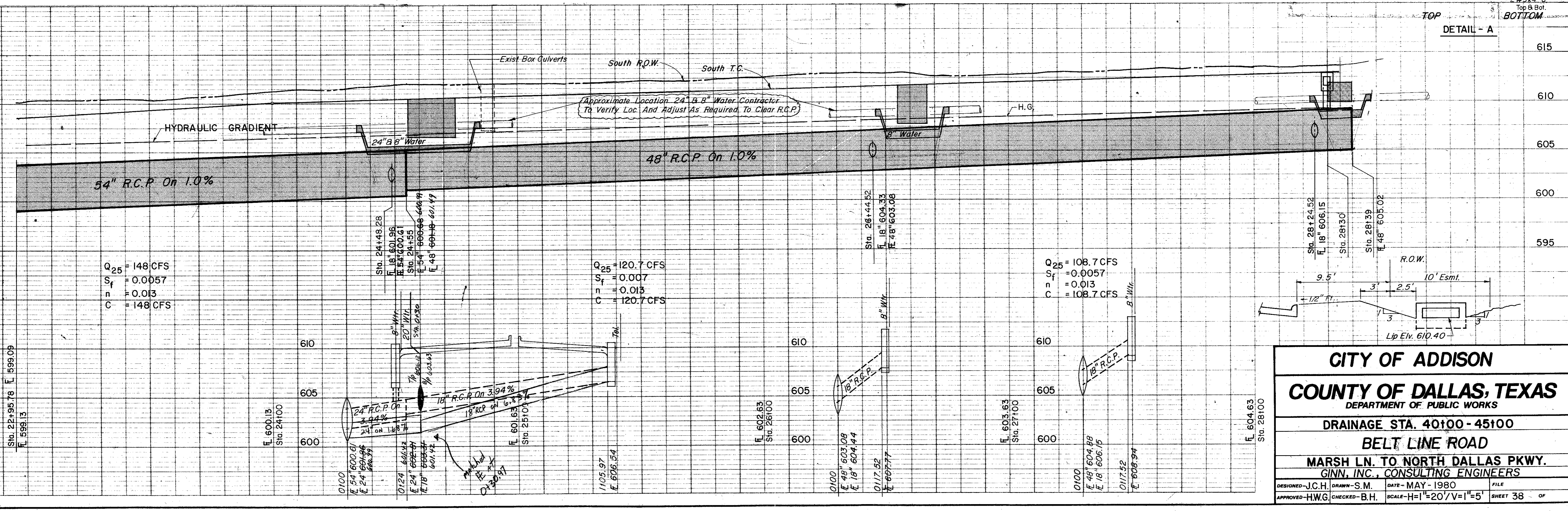


LEGEND

- Bench Mark
- 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 (R.O.W.)
- 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

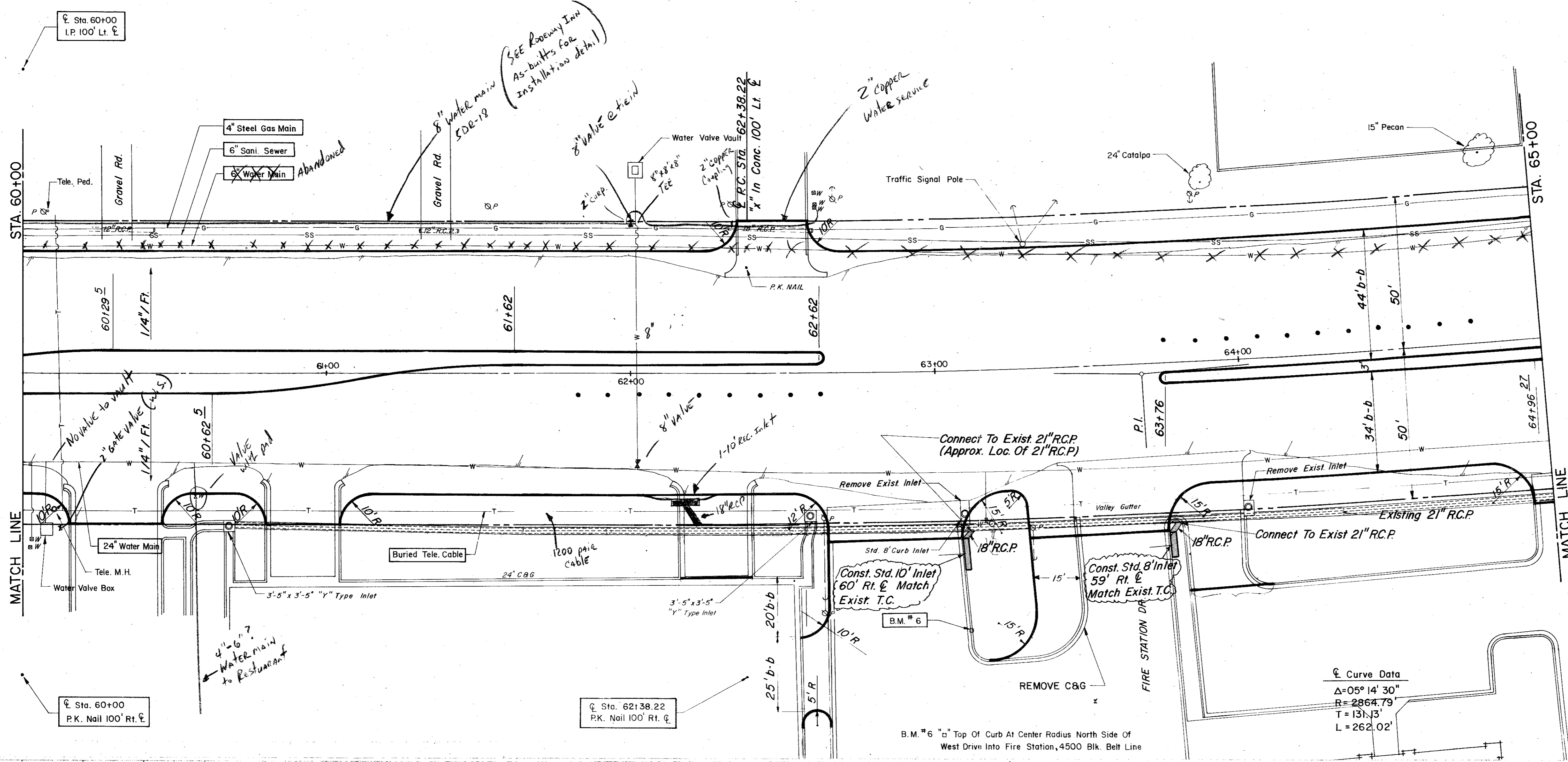
ESTIMATED QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
432	Rip Rap (Cont)	SV	17.0
465	18" R.C.P. CI III	LF	170.0
465	24" R.C.P. CI III	LF	185.0
465	54" R.C.P. CI III	LF	159.0
470	6" Rec. Inlet-compl. in pl.	EA	2.0
470	10" Rec. Inlet-compl. in pl.	EA	4.0
470	Adjust 24" Water Main	LF	20.0
479	Adjust 8" Water Main	LF	105.0
496	Remove Existing 6'x3' Box	LF	1.0
496	54" RCP & Headwall	LF	1.0
470	Mod. 5' Type V Inlet	EA	1.0



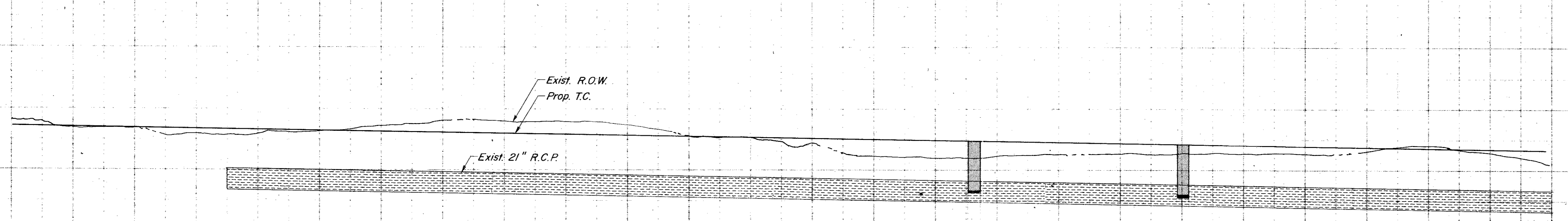
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
 DRAINAGE STA. 40+00-45+00
 BELT LINE ROAD
 MARSH LN. TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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



ITEM	DESCRIPTION	UNIT	QUANTITY
470.3	10' Standard C.I.	EA	1.0
470.3	8' Standard C.I.	EA	1.0

- LEGEND**
- Bench Mark
 - Iron Pin
 - Monument
 - ⊕ 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
 - Secondary Sewer Line
 - Fence Line
 - Flow Direction Indicator
 - Property or Right-of-Way Line (R.O.W.)
 - 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



CITY OF ADDISON

COUNTY OF DALLAS, TEXAS
DEPARTMENT OF PUBLIC WORKS

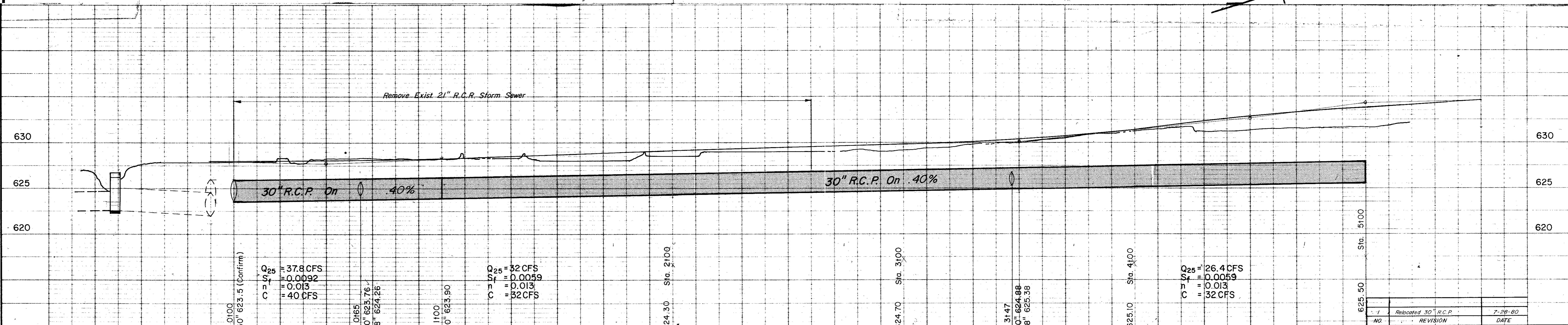
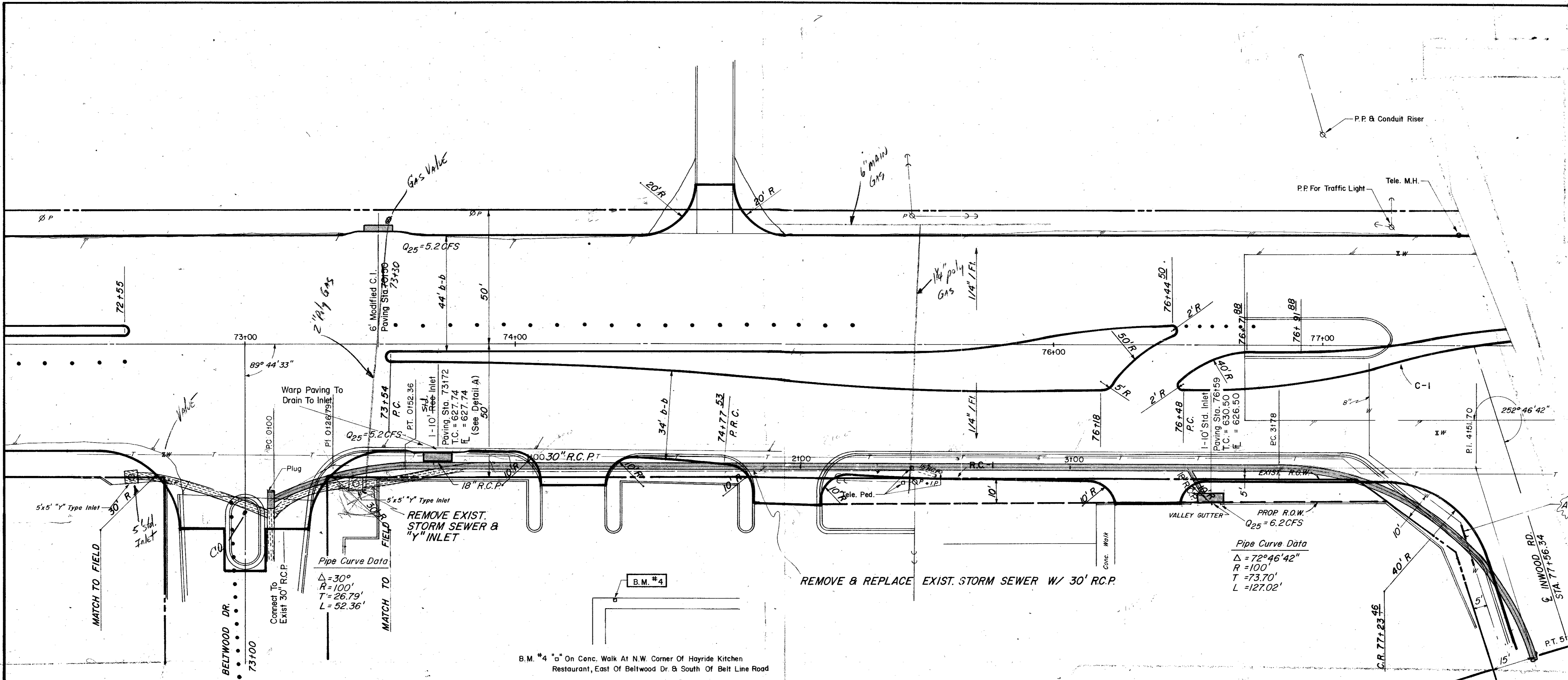
DRAINAGE STA. 60+00 - 65+100
BELT LINE ROAD

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

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

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
452.2	15" R.C.P. C.I. III	L.F.	1.0
453.2	30" R.C.P. C.I. III	L.F.	52.0
477.2	10' Rec. Inlet compl. in pl.	EA	1.0
478.4	10' Standard C.I.	EA	1.0
479.4	Adjust 8" Water Line	L.F.	15.0

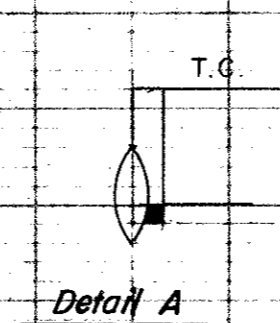
LEGEND	
□	Blank Mark
○	Iron Pin
⊙	Monument
⊕	Gas Meter
⊖	Gas Valve
⊗	Gas Line
⊘	Power Pole (Typical Pole Symbol)
⊙	Power Line
⊙	Guy Wire Anchor
⊙	Telephone Line
⊙	Water Meter
⊙	Water Valve
⊙	Water Line
⊙	Fire Hydrant
⊙	Manhole
⊙	Sanitary Sewer Line
⊙	Fence Line
⊙	Flow Direction Indicator
⊙	Property or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

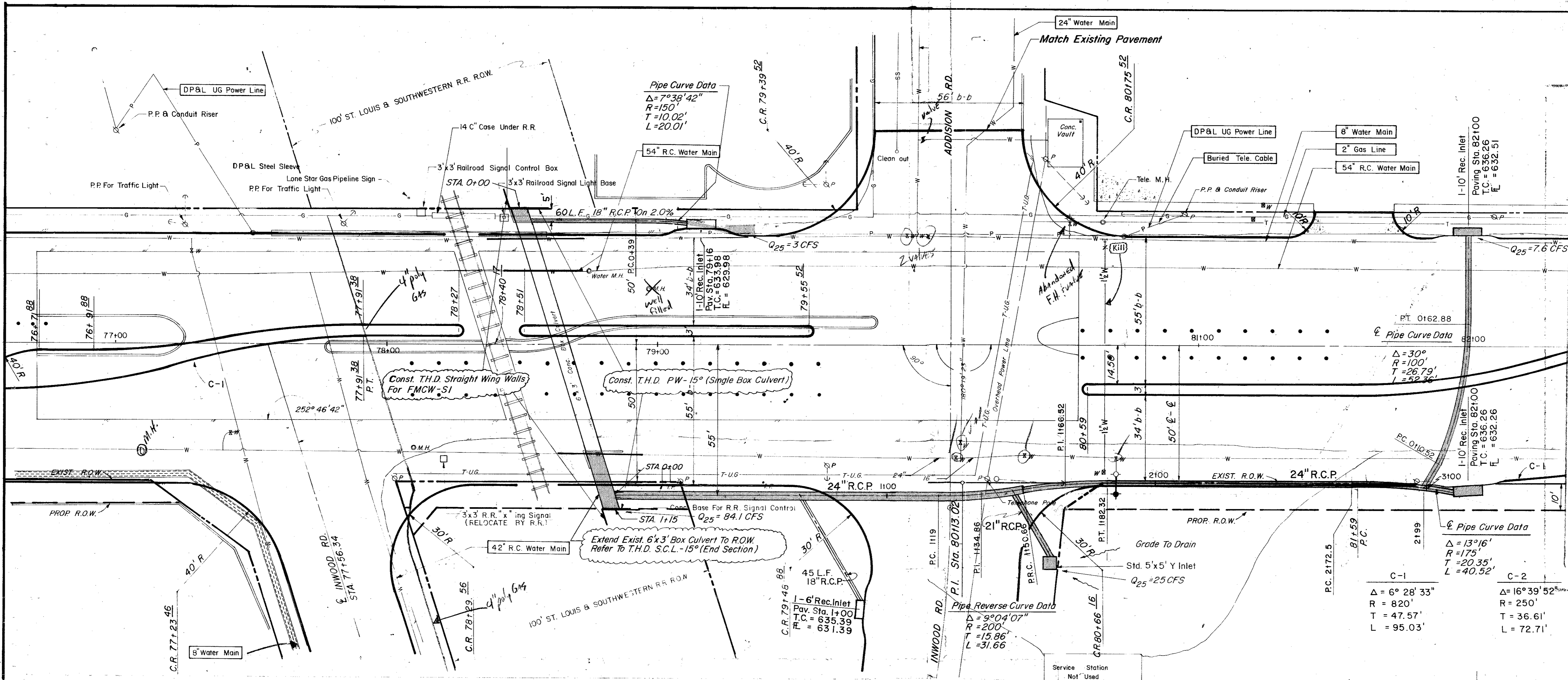


CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
 DRAINAGE STA. 72100 - 78100
BELT LINE ROAD
 MARSH LN. TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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

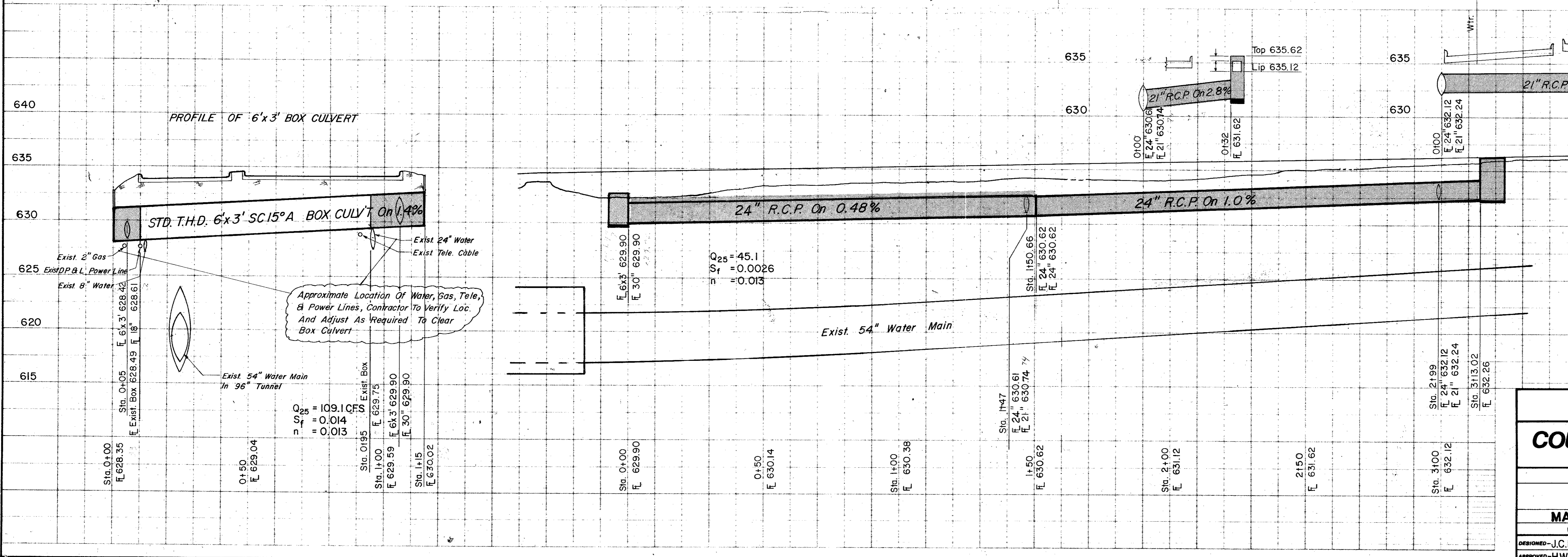
B.M. #4 "a" On Conc. Walk At N.W. Corner Of Hayride Kitchen Restaurant, East Of Beltwood Dr. & South Of Belt Line Road



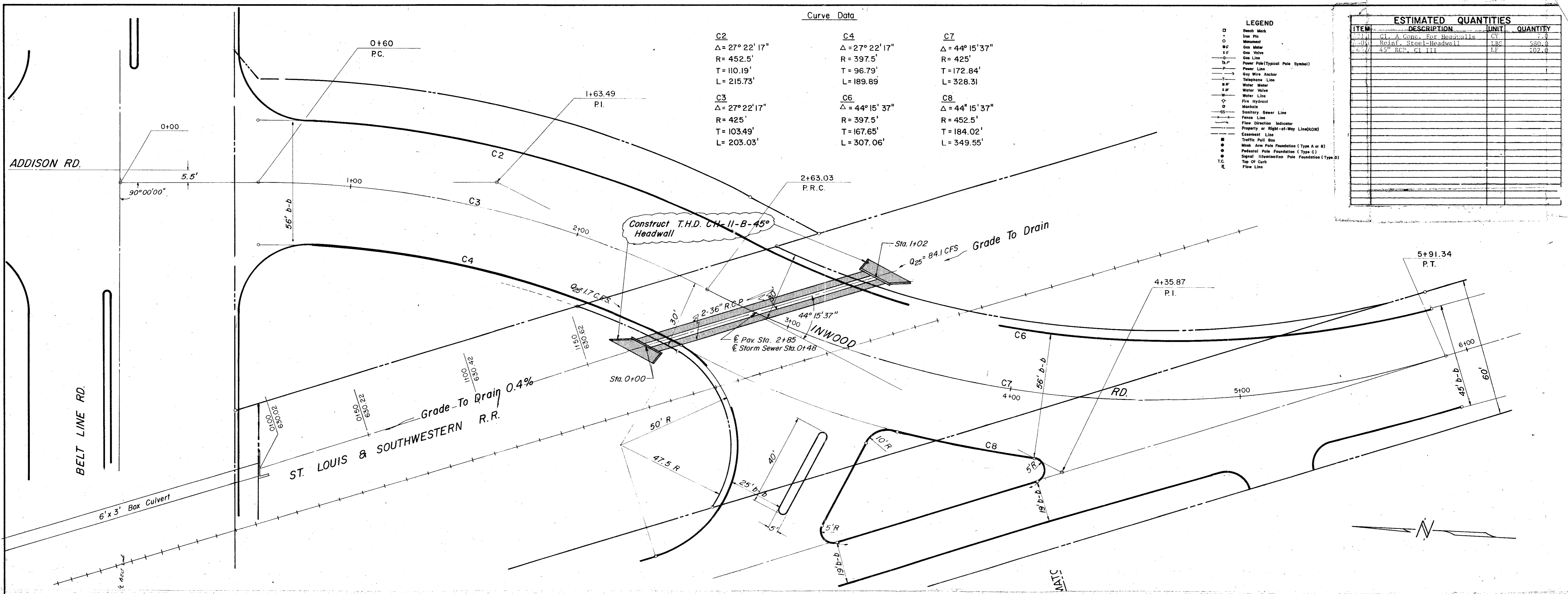


ITEM	DESCRIPTION	UNIT	QUANTITY
421.0	Cl. A Conc. - 14" Ringwall	CY	15.3
430	Extend 6x3 Box (Conc.)	CY	17.3
440.0	Reinf. Steel - Ringwall	LBS	479.0
440.0	Reinf. Steel - Box Culvert	LBS	2085.0
465.0	18" R.C.P. CI III	LF	73.0
465.0	21" R.C.P. CI III	LF	99.0
465.0	24" R.C.P. CI III	LF	149.0
465.0	30" R.C.P. CI III	LF	149.0
	Std 5'x5' Y Inlet	EA	1.0

Symbol	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. Am. Pole Foundation (Type A w/ B)
○	Pedestal Pole Foundation (Type C)
○	Signal Illumination Pole Foundation (Type D)
○	Top of Cut
○	Flow Line



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



Curve Data

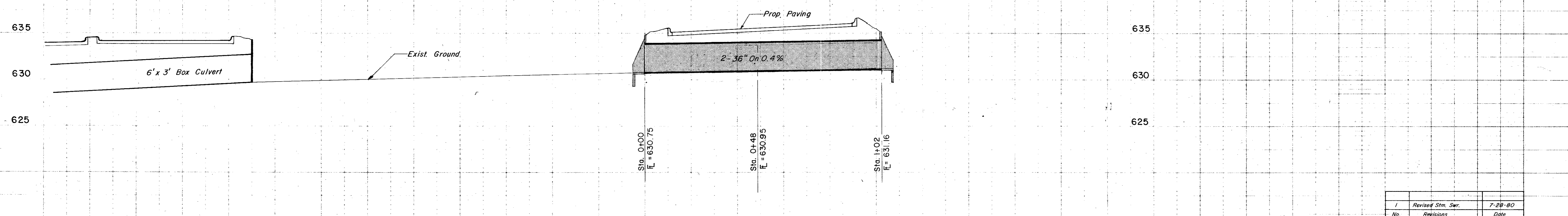
C2 Δ = 27° 22' 17" R = 452.5' T = 110.19' L = 215.73'	C4 Δ = 27° 22' 17" R = 397.5' T = 96.79' L = 189.89'	C7 Δ = 44° 15' 37" R = 425' T = 172.84' L = 328.31'
C3 Δ = 27° 22' 17" R = 425' T = 103.49' L = 203.03'	C6 Δ = 44° 15' 37" R = 397.5' T = 167.65' L = 307.06'	C8 Δ = 44° 15' 37" R = 452.5' T = 184.02' L = 349.55'

LEGEND

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

ESTIMATED QUANTITIES

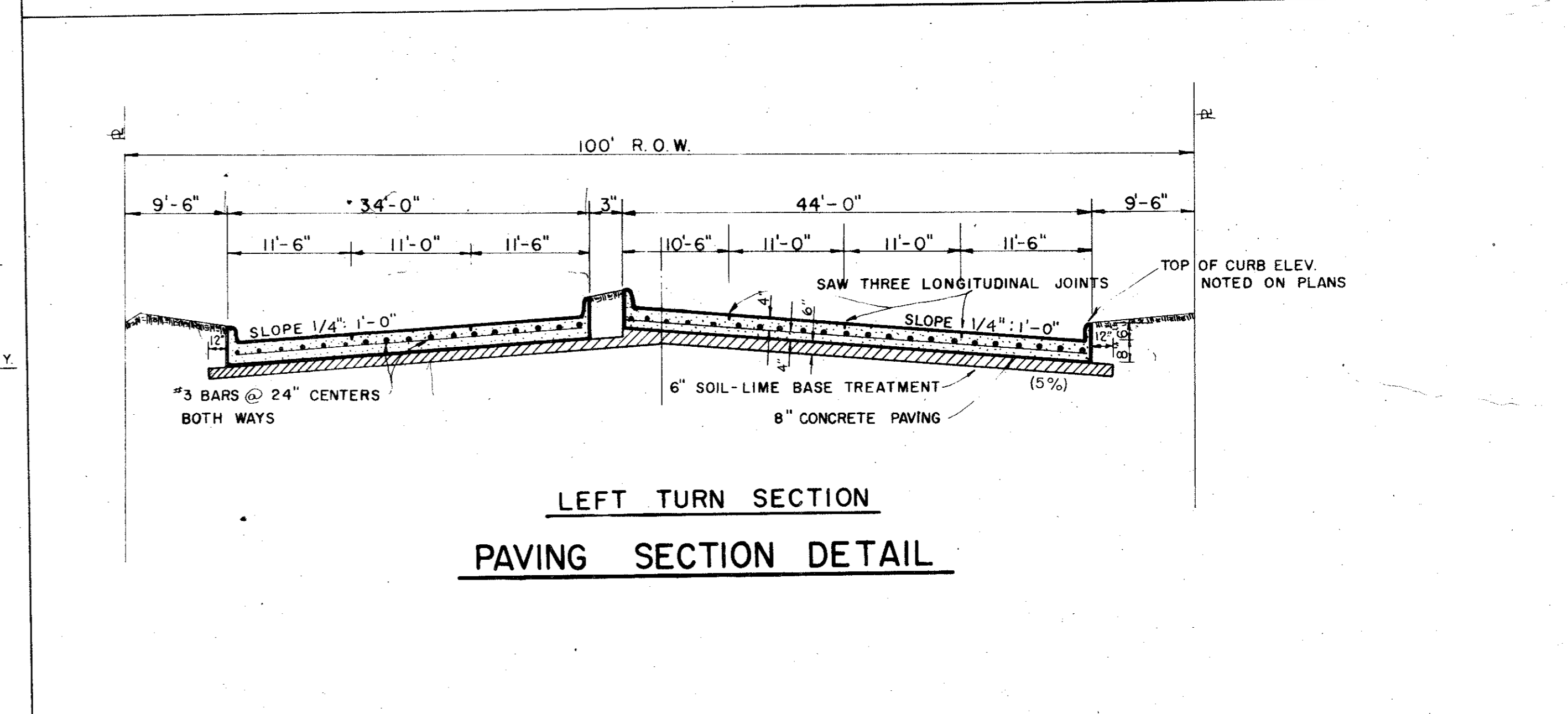
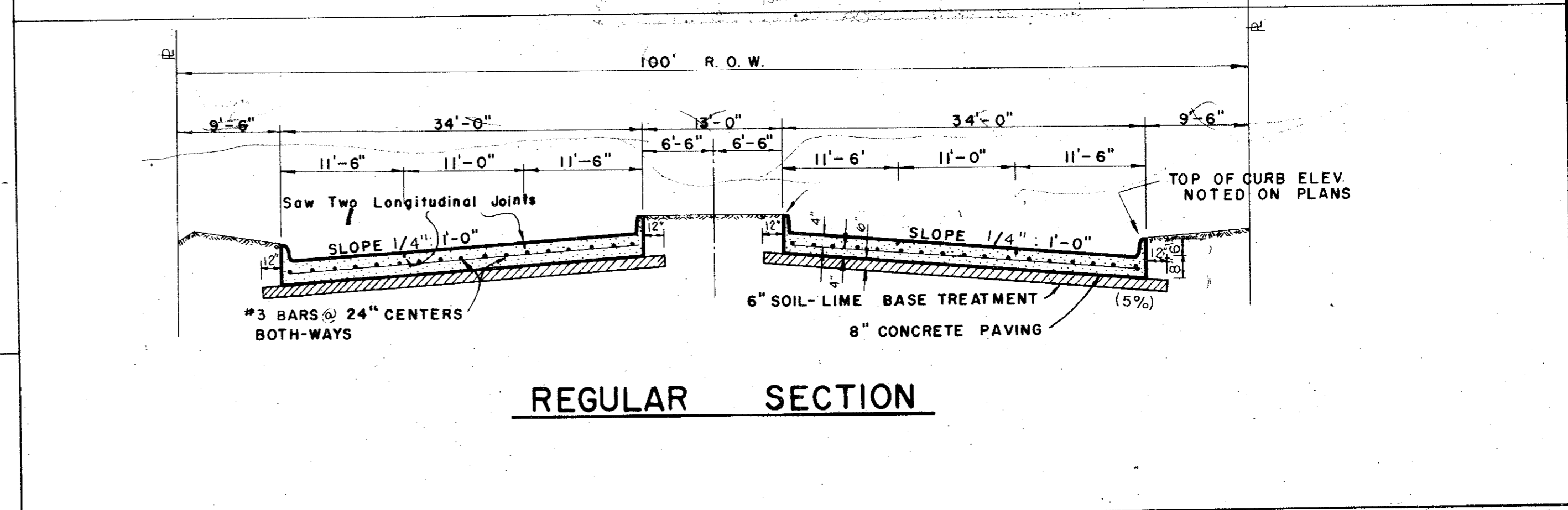
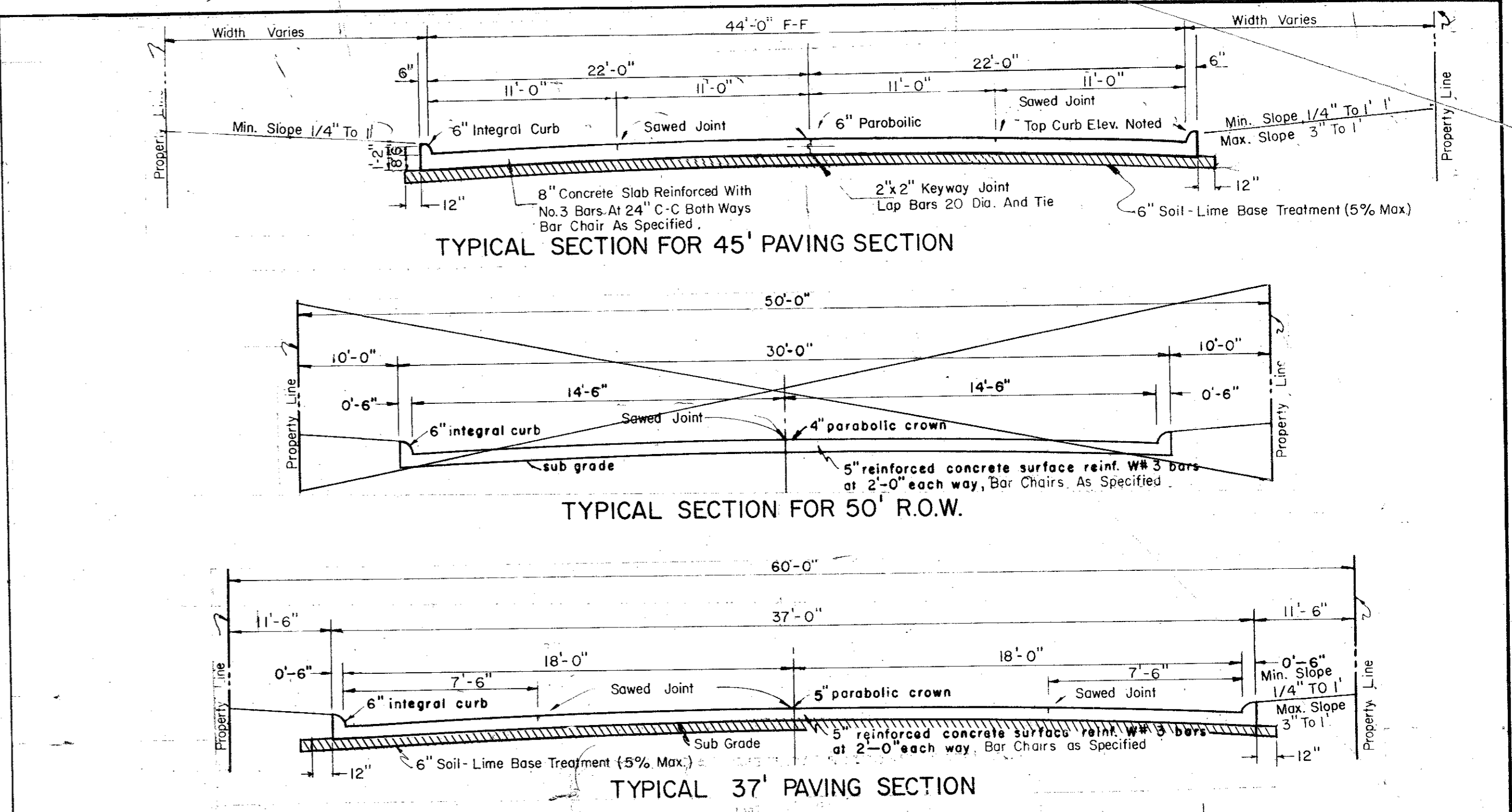
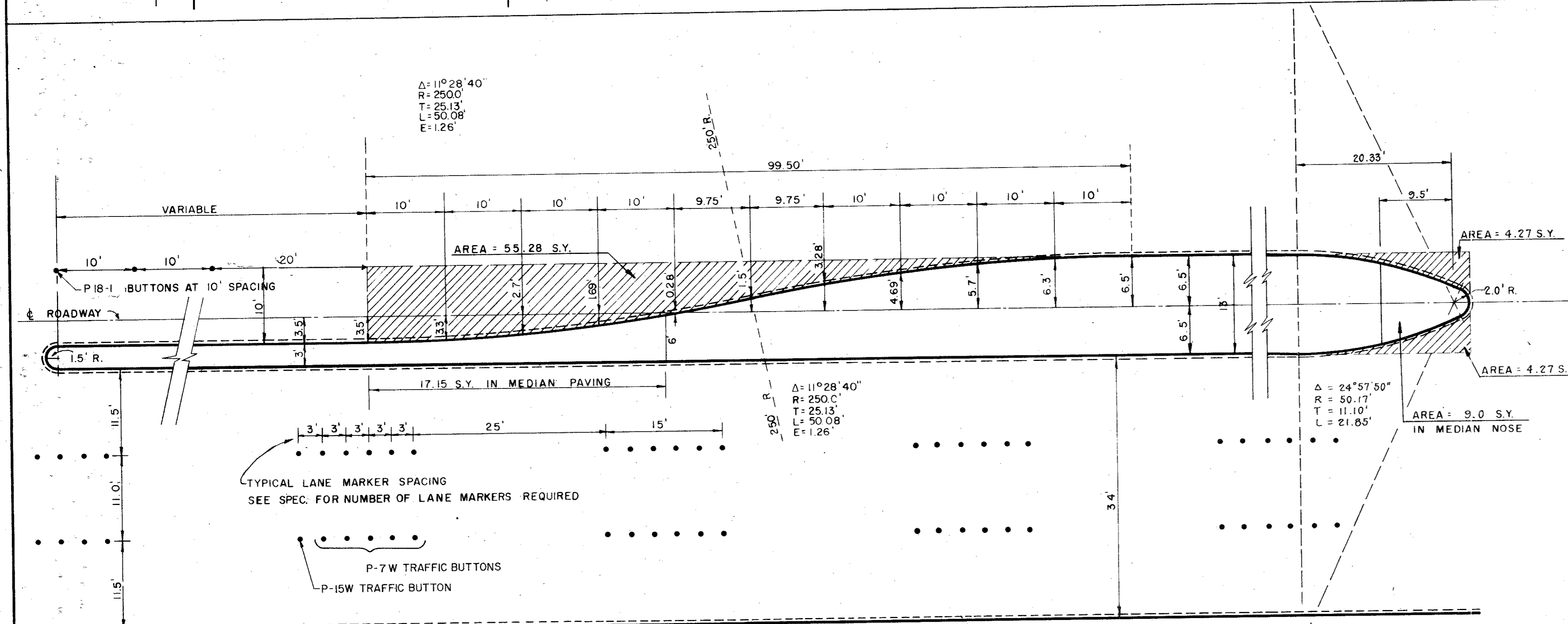
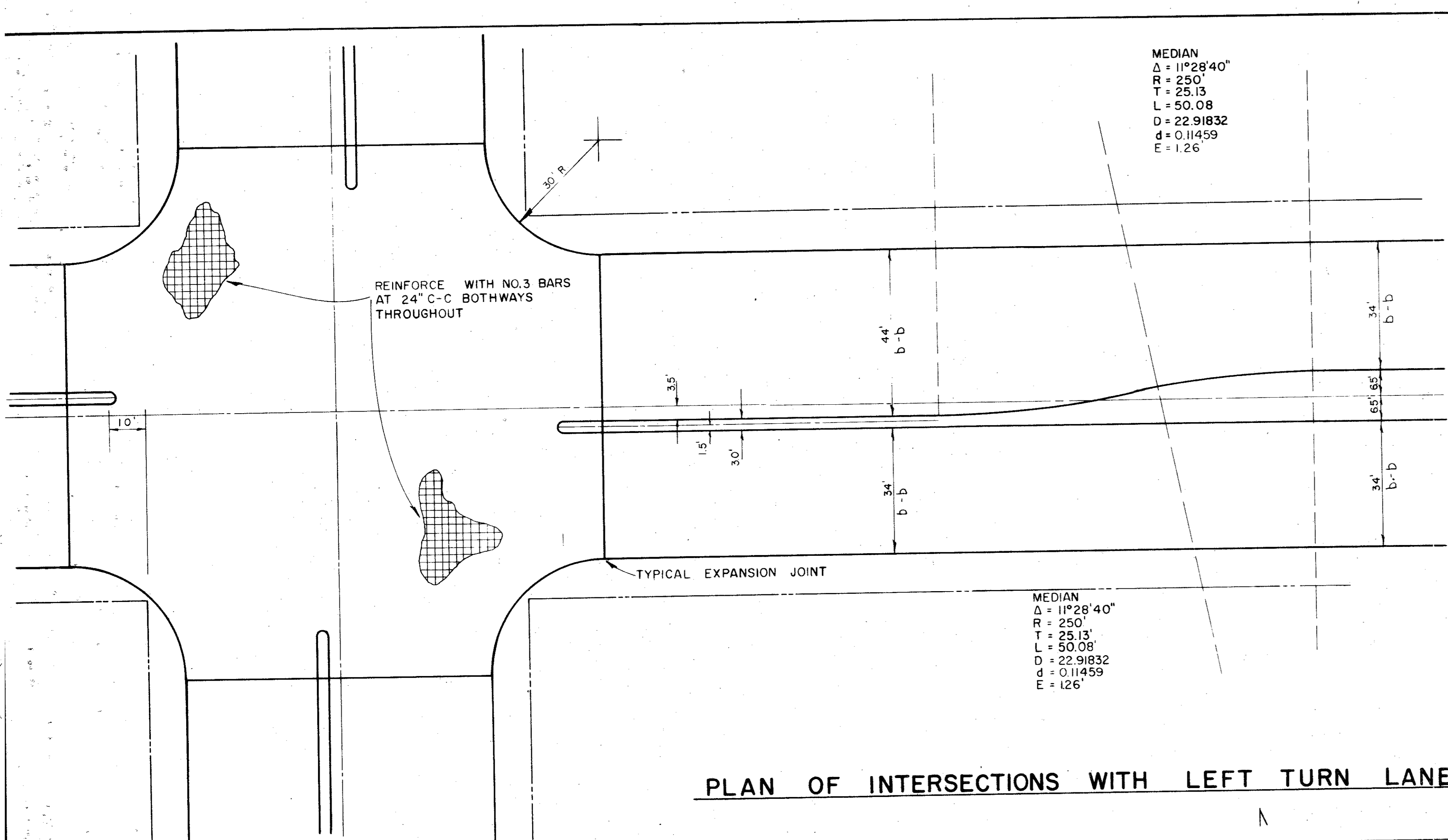
ITEM	DESCRIPTION	UNIT	QUANTITY
1	CL A Conc. For Headwalls	CS	380.0
2	Reinf. Steel Headwall	LBC	302.0
3	45" RCP, CI III	LB	302.0



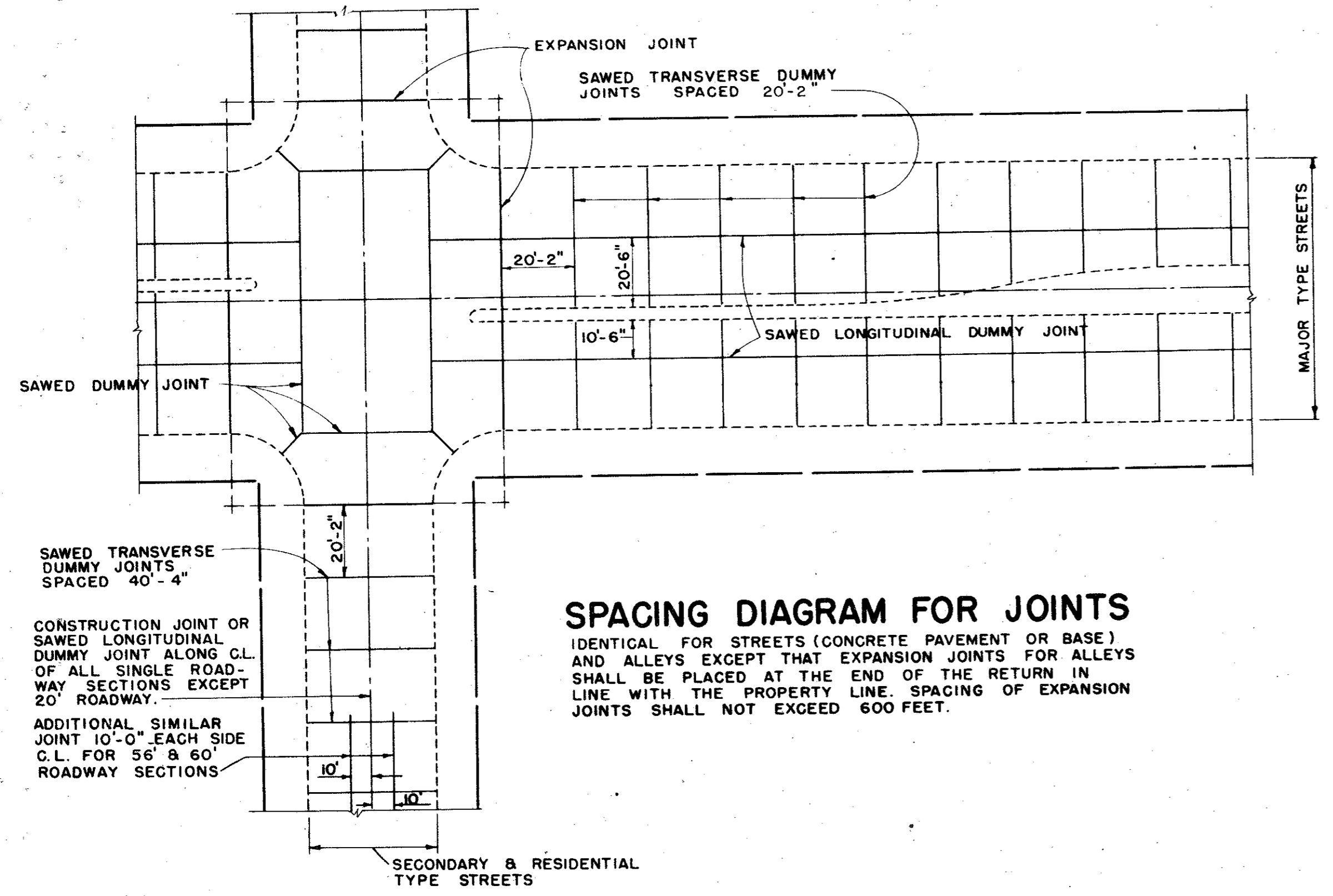
1	Revised Str. Swr.	7-28-80
No.	Revisions	Date

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

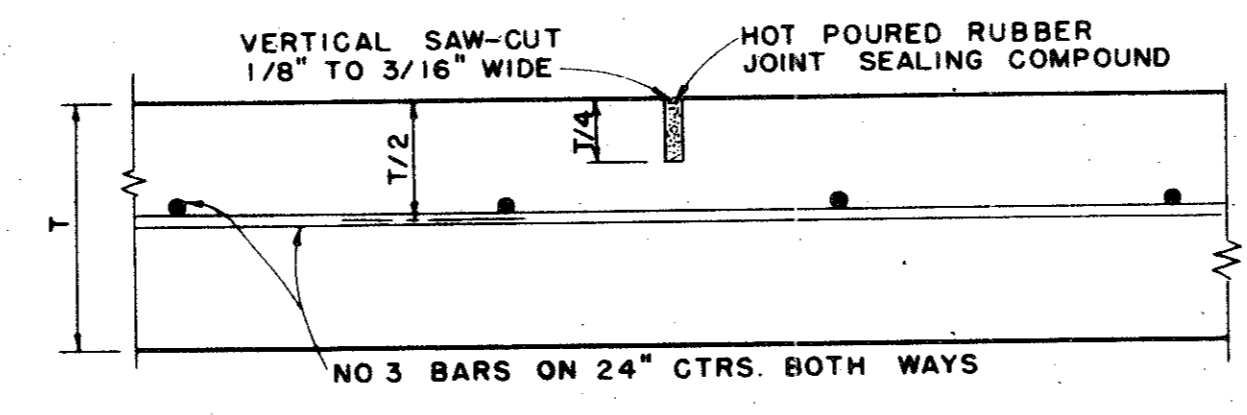
DESIGNED-J.C.H. DRAWN-S.M. DATE-MAY-1980 FILE
 APPROVED-HWG. CHECKED-S.M. SCALE-H=1"=20'/V=1"=5' SHEET 4.4 OF



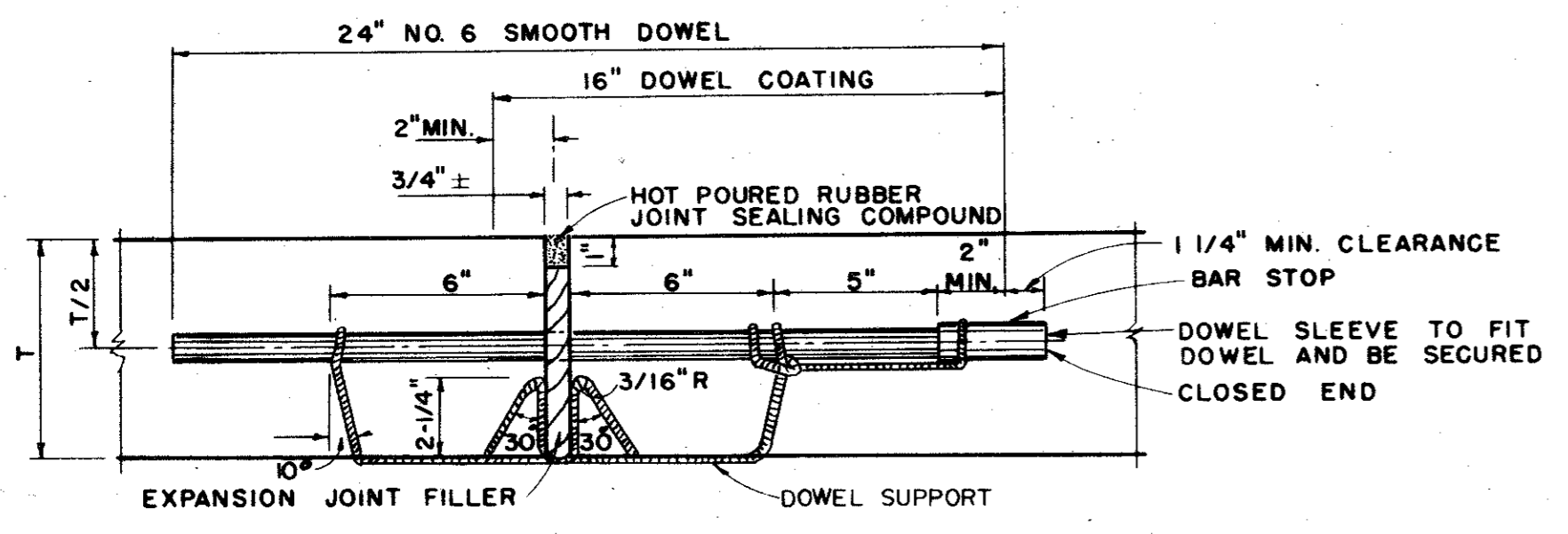
CITY OF ADDISON			
COUNTY OF DALLAS, TEXAS			
DEPARTMENT OF PUBLIC WORKS			
PAVING DETAILS A			
BELT LINE ROAD			
PAVING DETAILS			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED: H.B.J.	DRAWN: S.M.	DATE: MAY - 1980	FILE
APPROVED: H.W.G.	CHECKED: B.H.	SCALE: NONE	SHEET 45



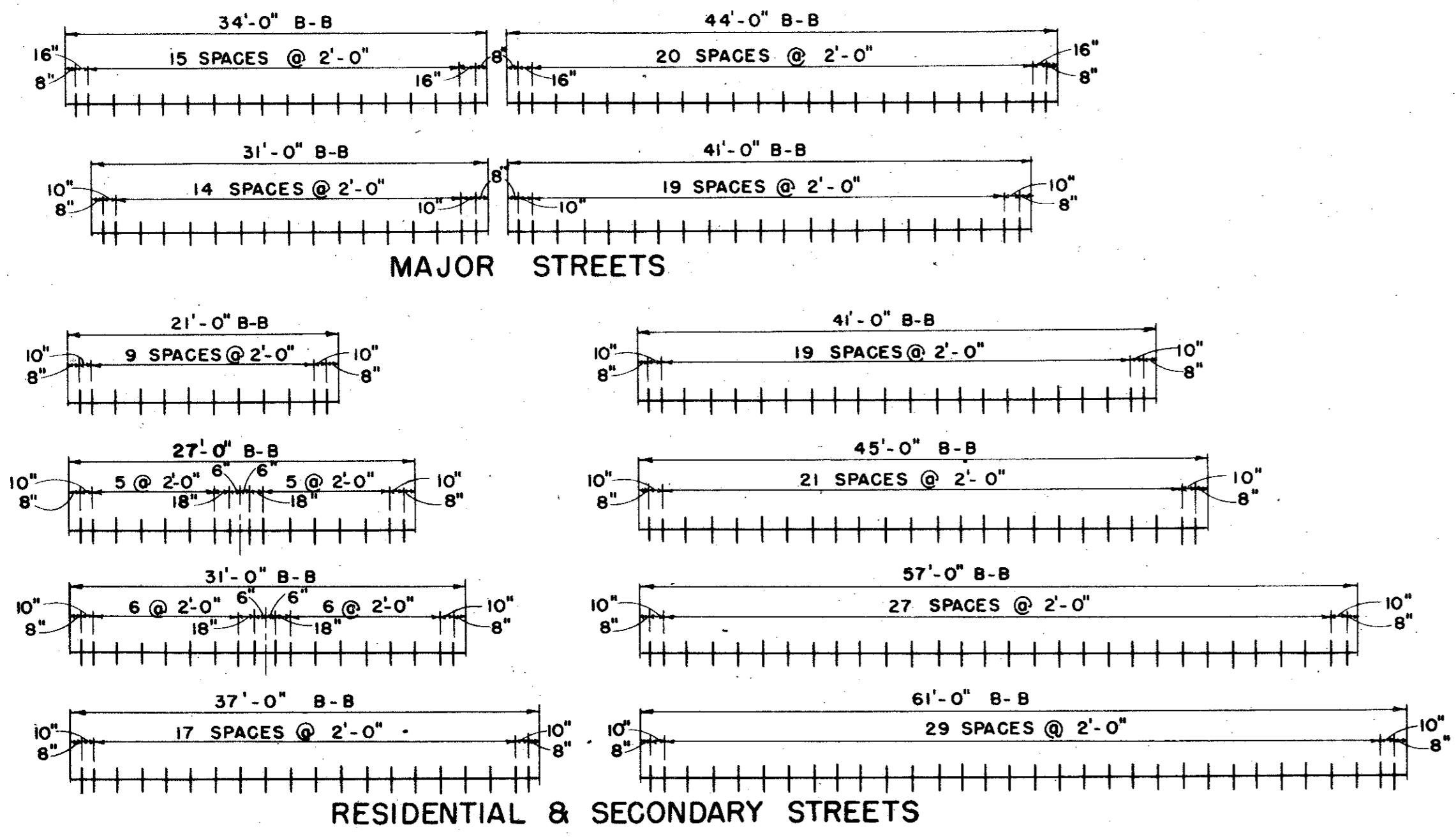
SPACING DIAGRAM FOR JOINTS
IDENTICAL FOR STREETS (CONCRETE PAVEMENT OR BASE) AND ALLEYS EXCEPT THAT EXPANSION JOINTS FOR ALLEYS SHALL BE PLACED AT THE END OF THE RETURN IN LINE WITH THE PROPERTY LINE. SPACING OF EXPANSION JOINTS SHALL NOT EXCEED 600 FEET.



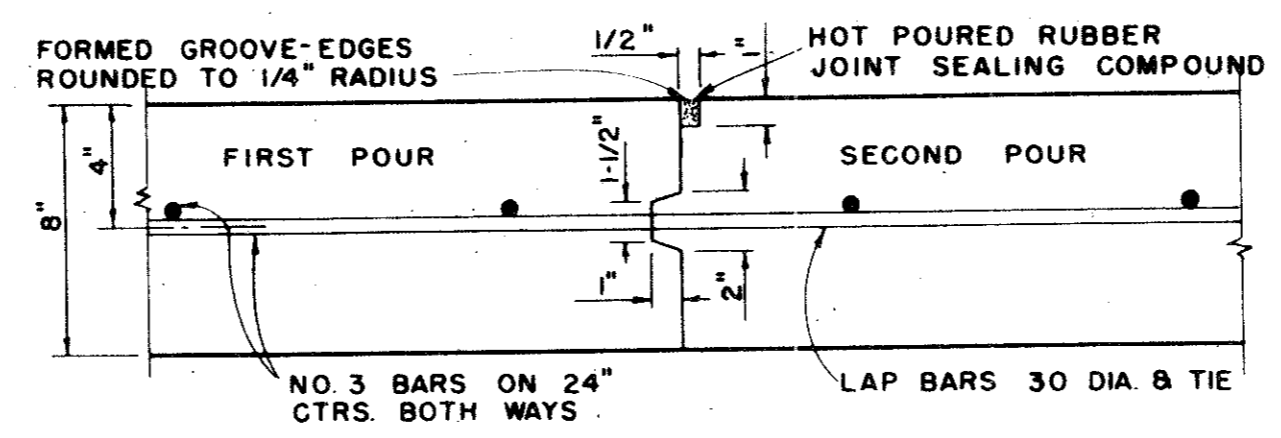
SAWED DUMMY JOINT
IDENTICAL FOR STREETS AND ALLEYS EXCEPT ALLEY LONGITUDINAL REINFORCEMENT BARS



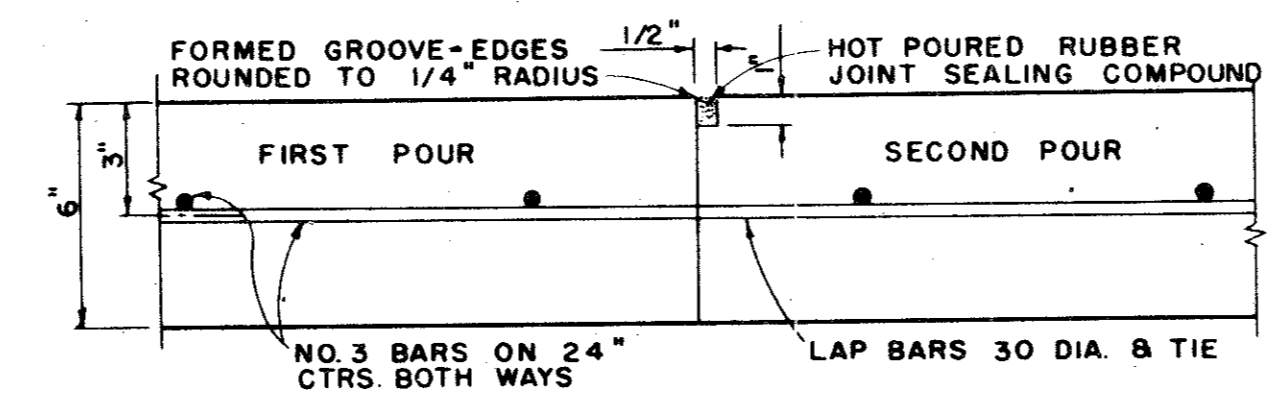
TRANSVERSE EXPANSION JOINT
IDENTICAL FOR STREETS & ALLEYS



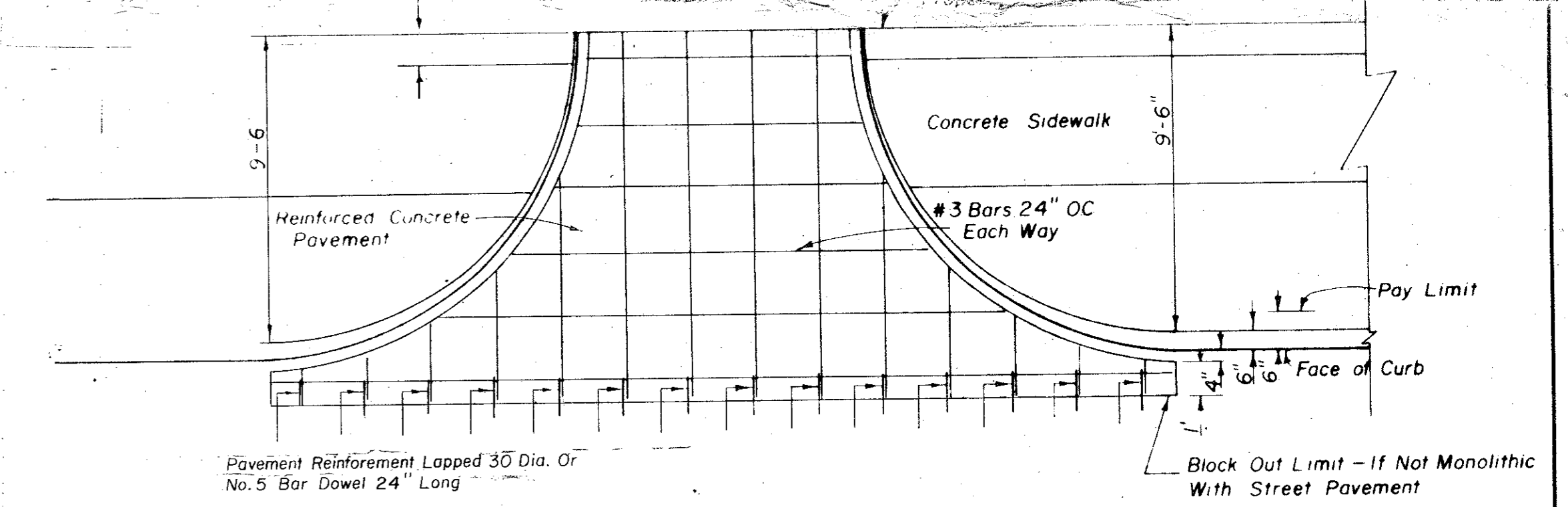
SPACING DIAGRAM FOR DOWELS AT EXPANSION JOINTS



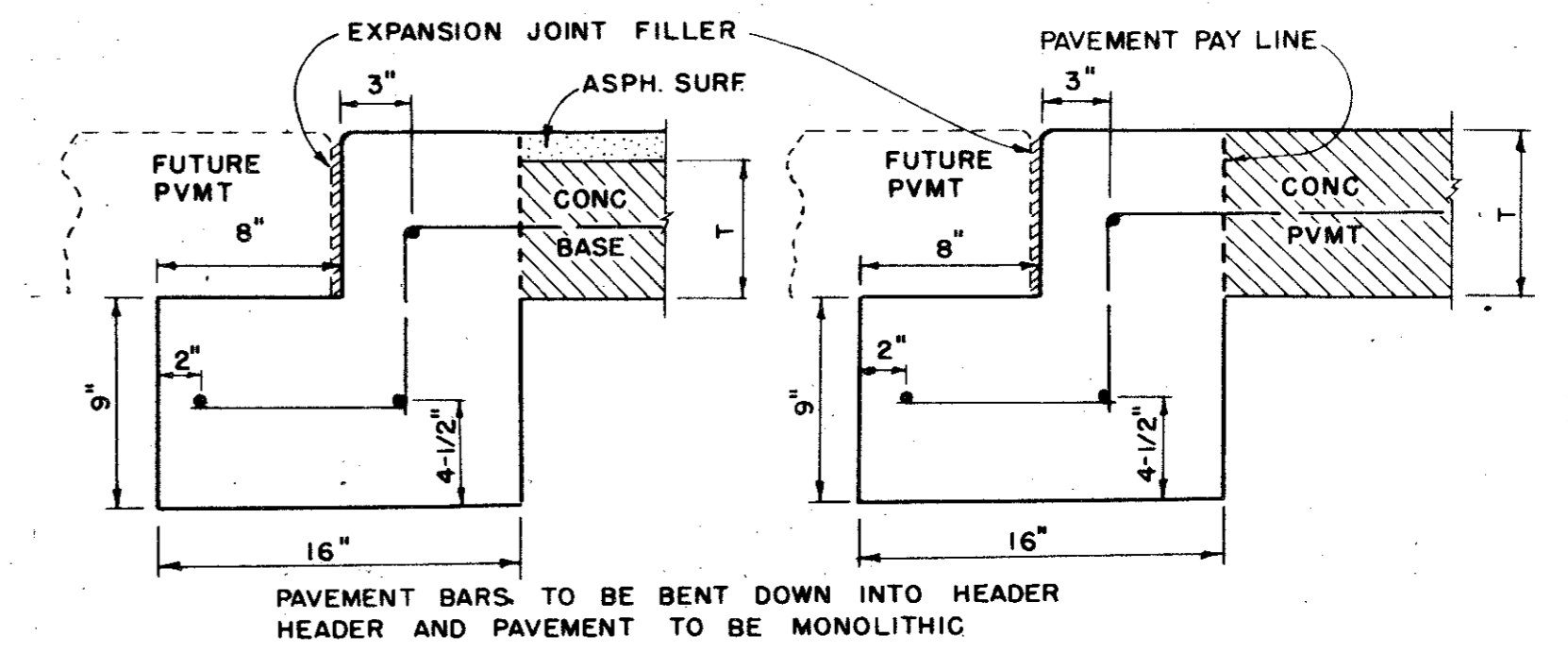
CONSTRUCTION JOINT
FOR 8" THICKNESS PAVEMENT OR BASE



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



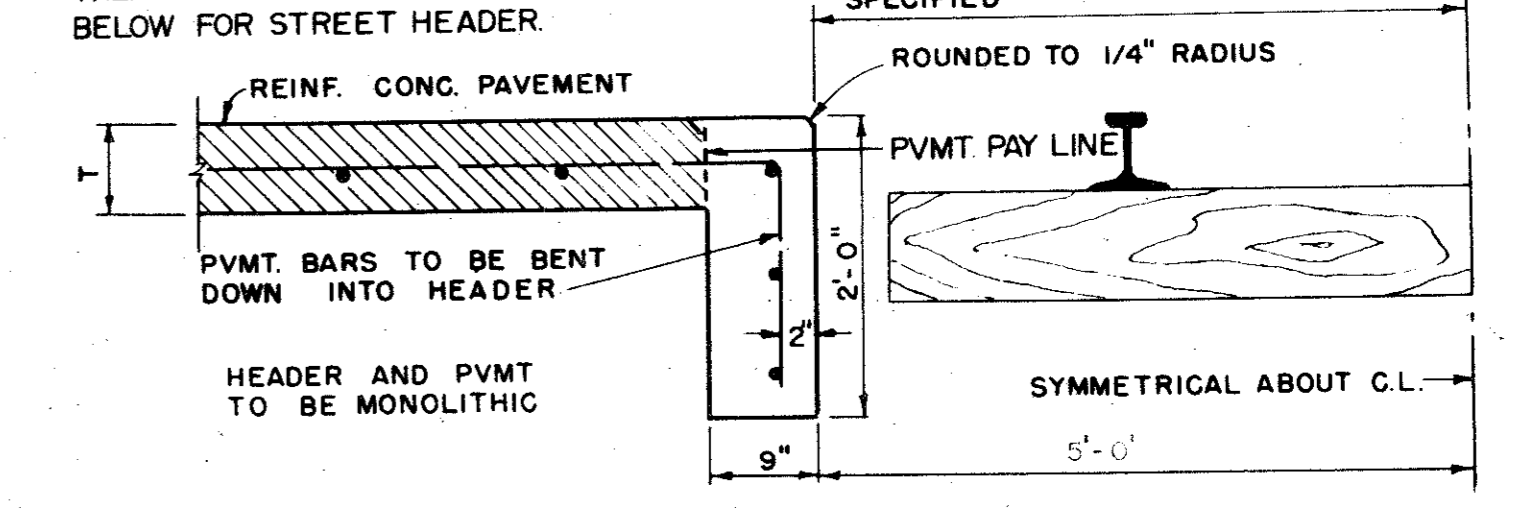
DRIVEWAY PAVING DETAILS



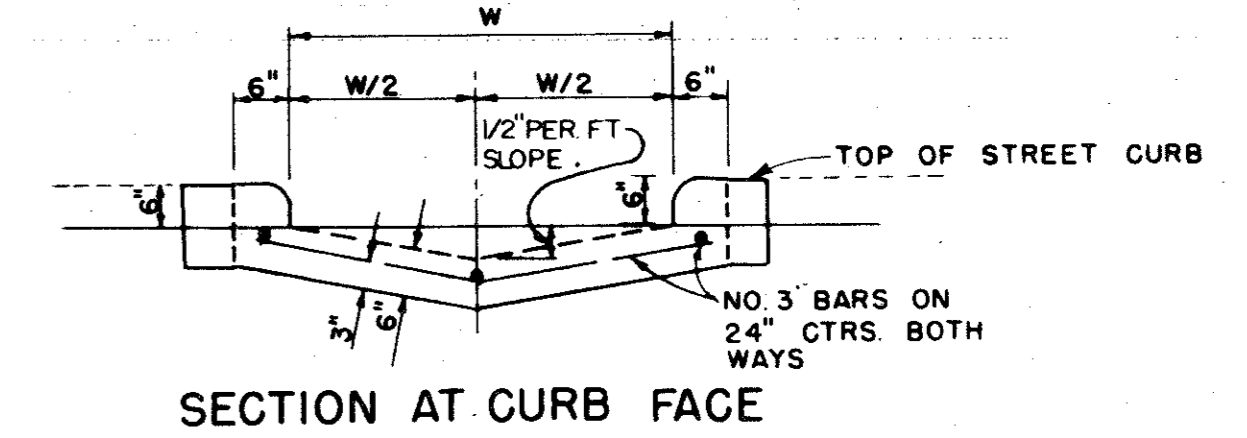
STREET HEADER

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

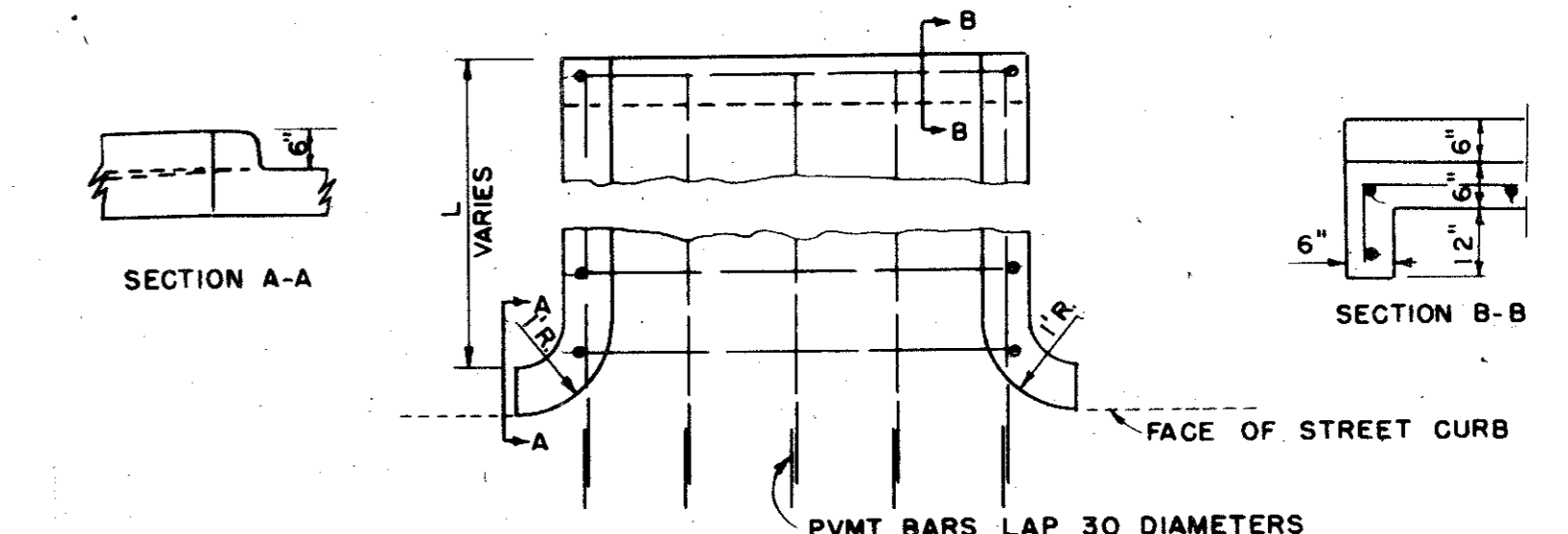
ALL WORK BETWEEN HEADERS TO BE DONE BY OTHERS UNLESS OTHERWISE SPECIFIED



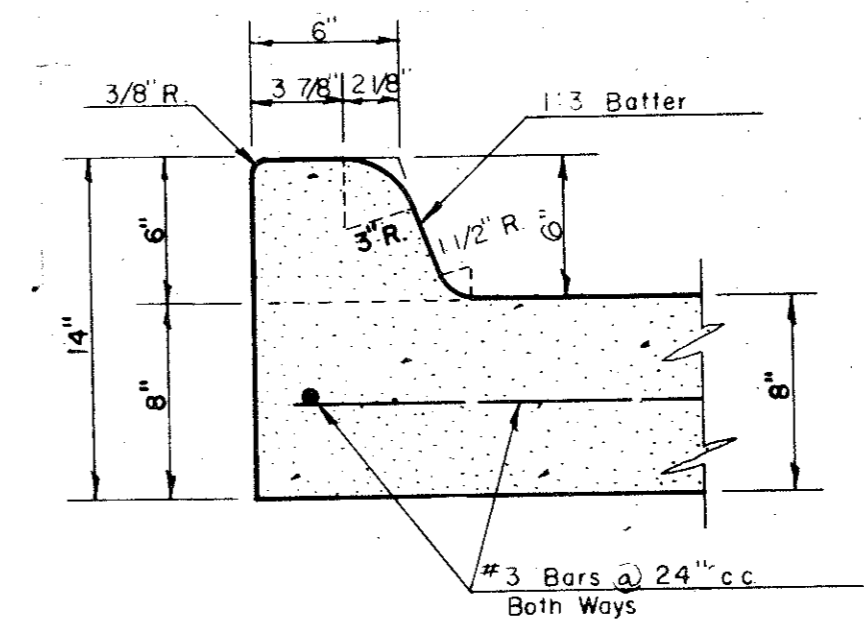
RAILROAD HEADER



SECTION AT CURB FACE



PLAN FLUME

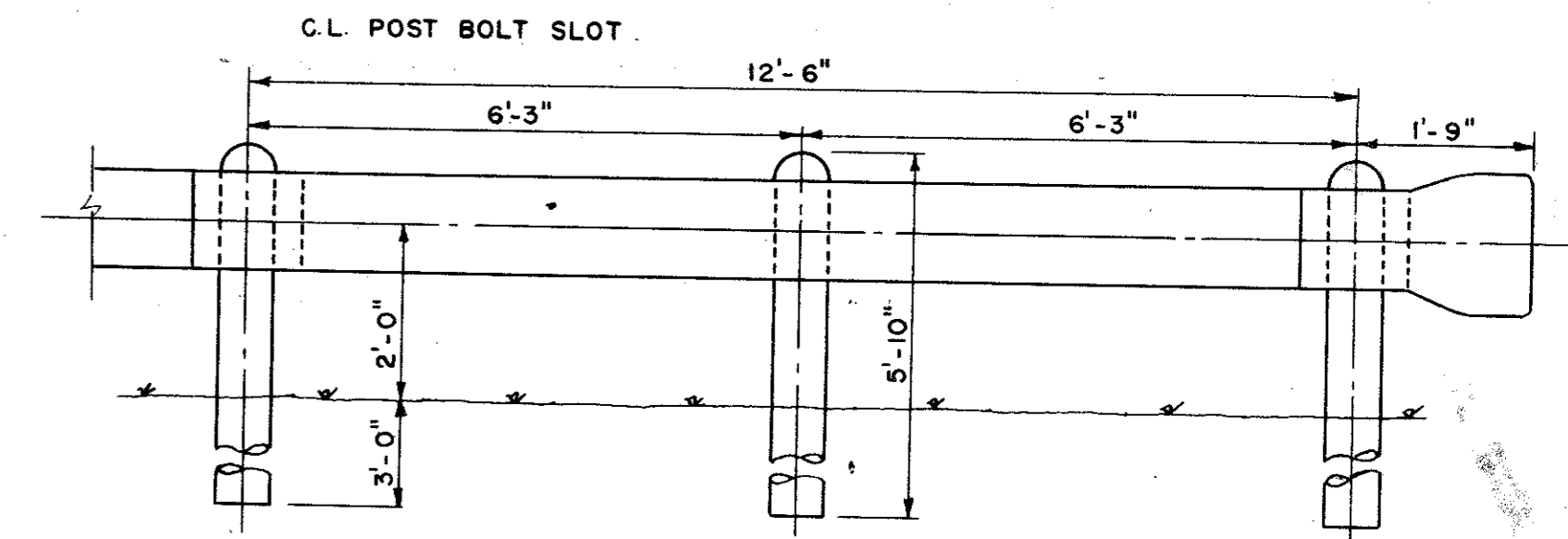


6" INTEGRAL CURB DETAIL

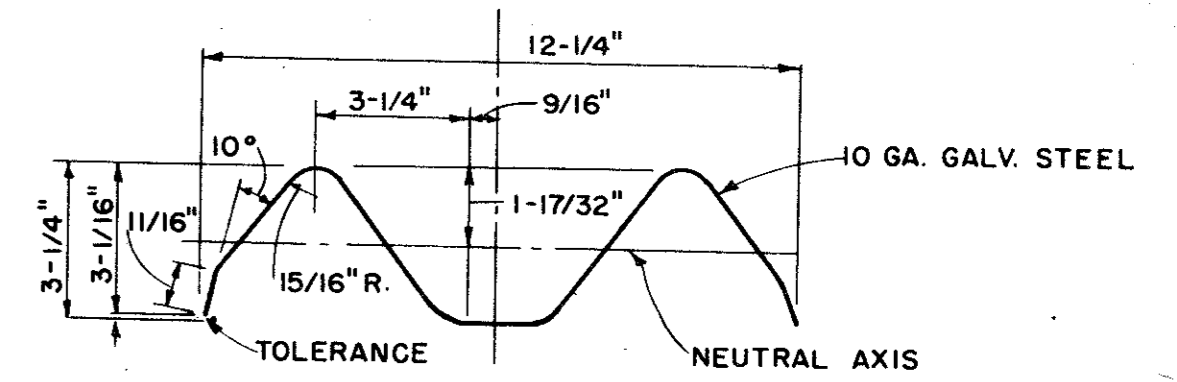
CITY OF ADDISON
COUNTY OF DALLAS, TX
DEPARTMENT OF PUBLIC WORKS
PAVING DETAILS B

GINN, INC., CONSULTING ENGINEER

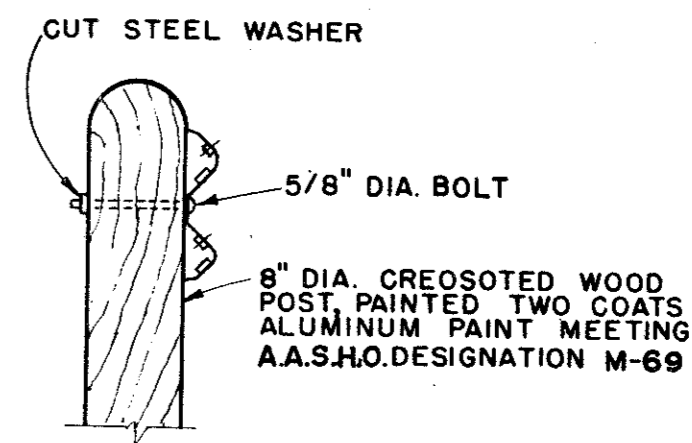
DESIGNED: H.B.J. DRAWN: S.M. DATE: MAY - 1980
APPROVED: HWG. CHECKED: B.H. SCALE: NONE



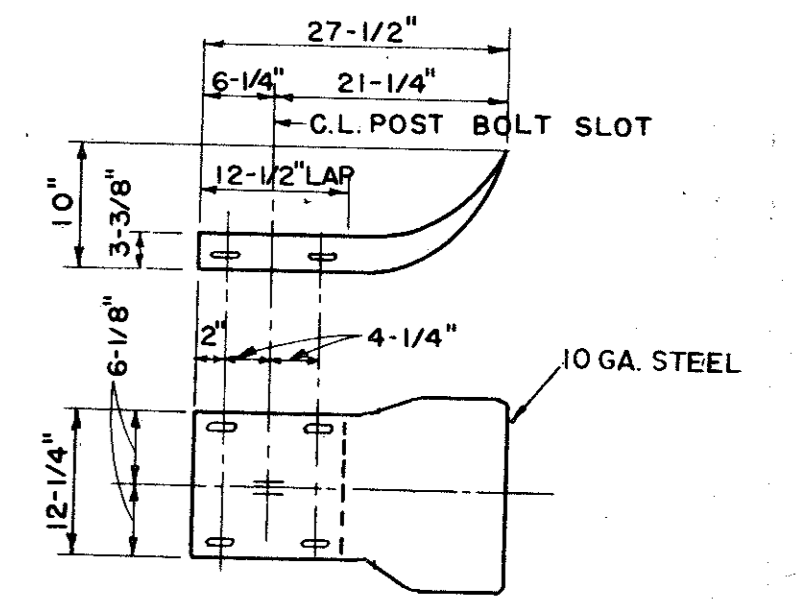
INSTALLATION



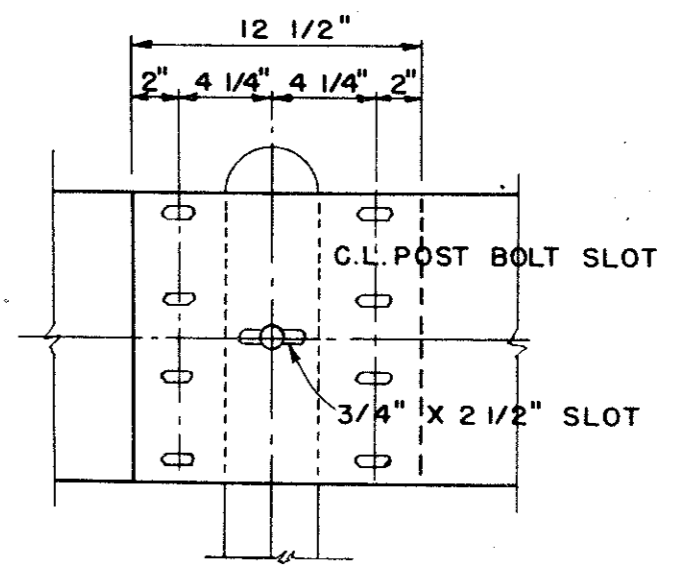
SECTION THROUGH RAIL ELEMENT



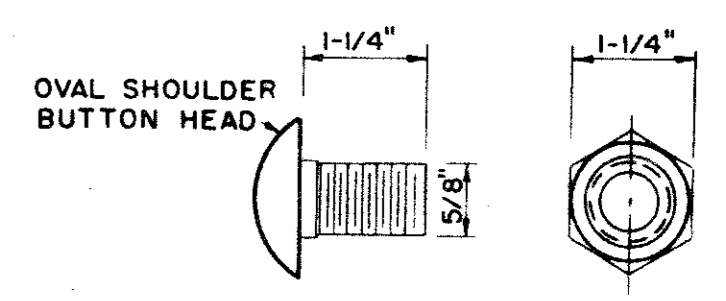
ARRANGEMENT AT POSTS



TERMINAL SECTION



RAIL SPLICE

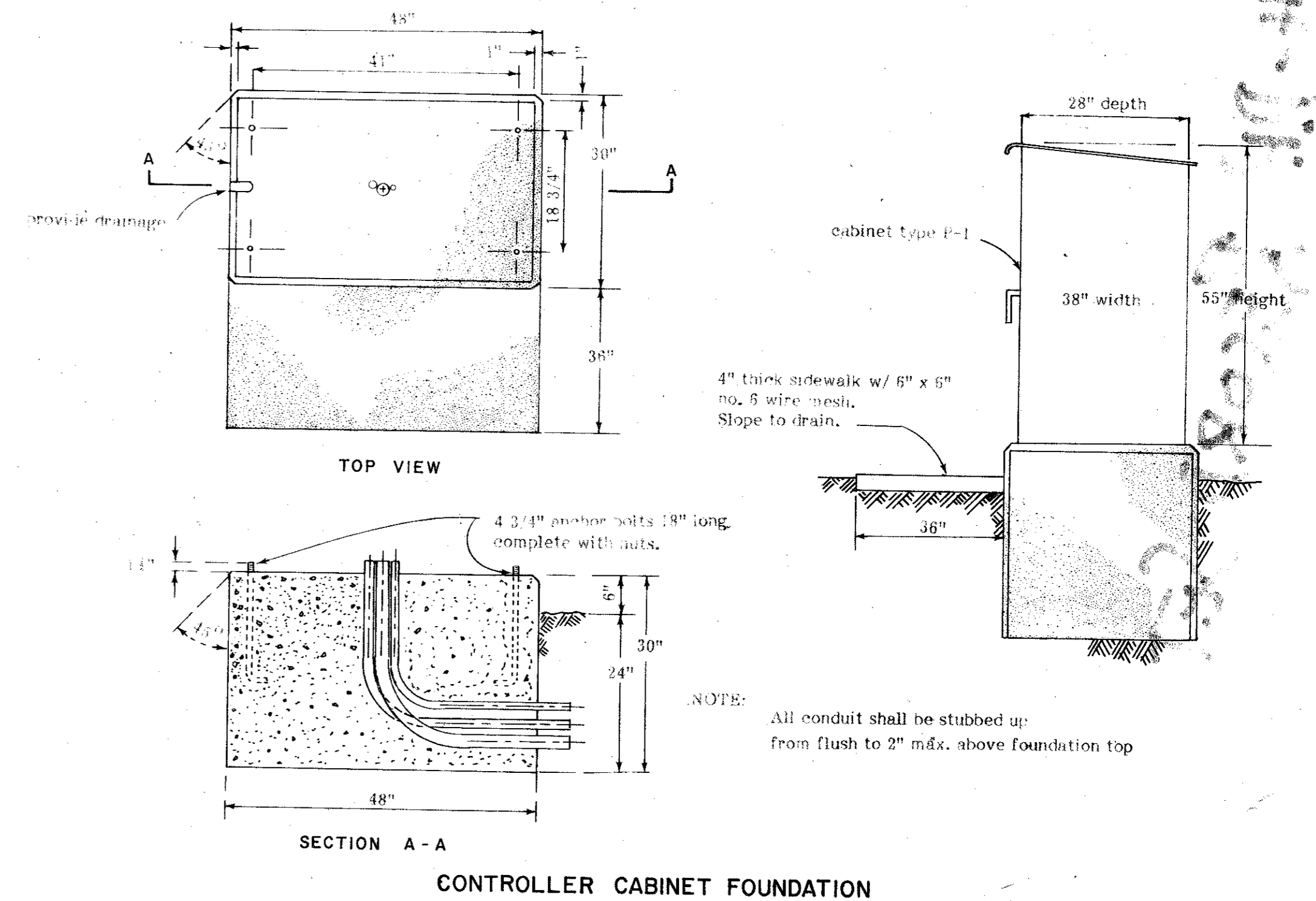
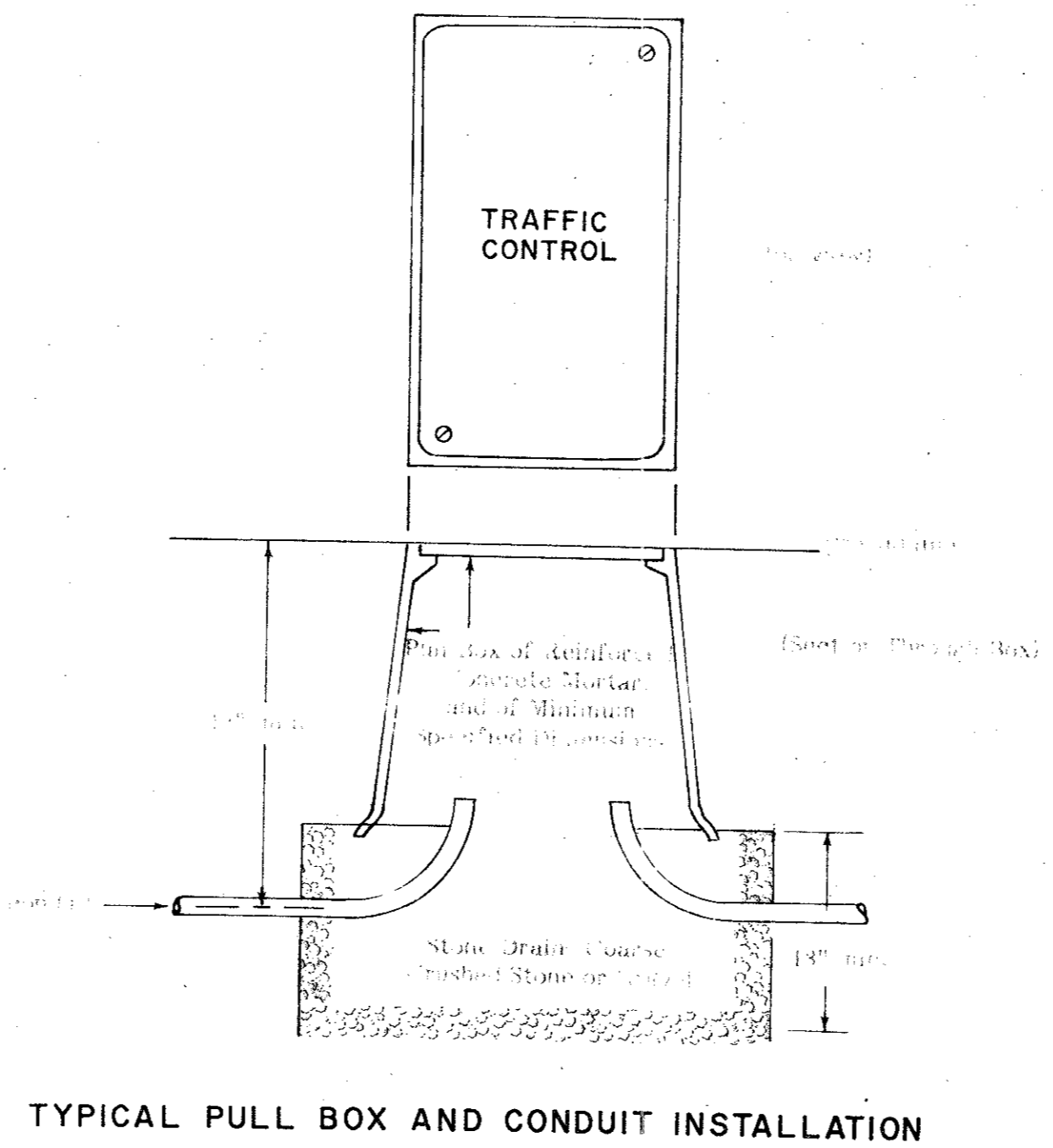
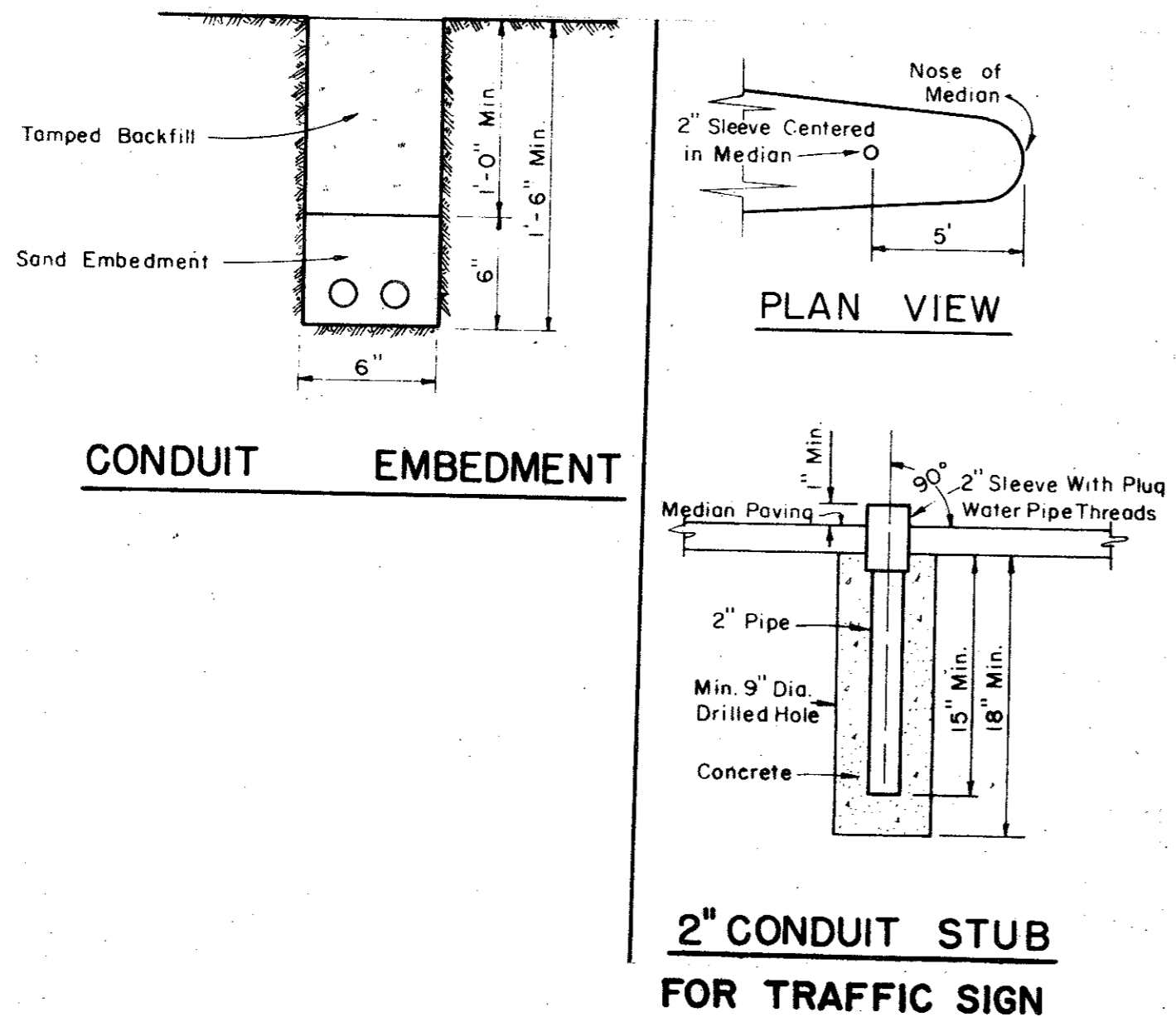
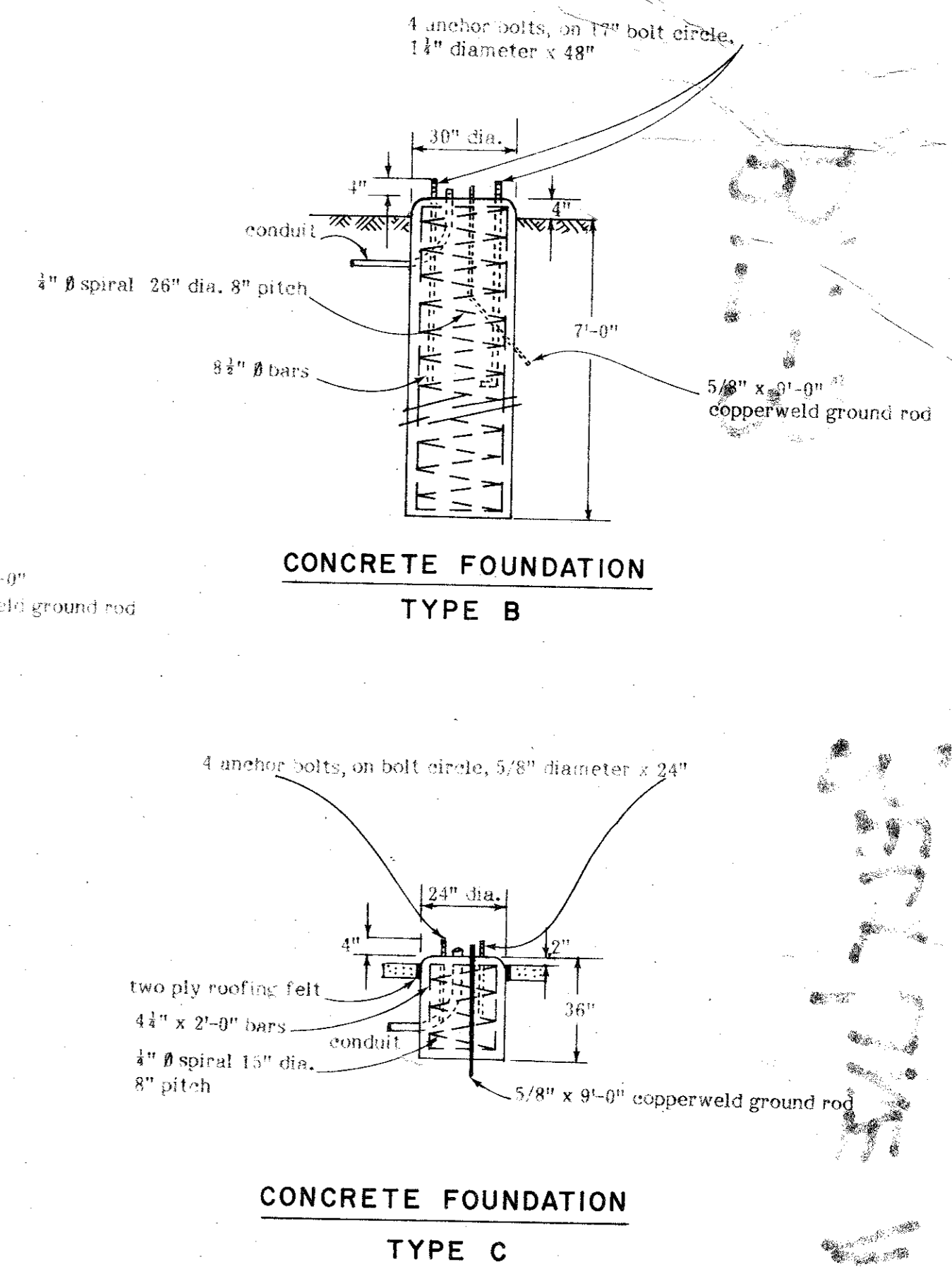
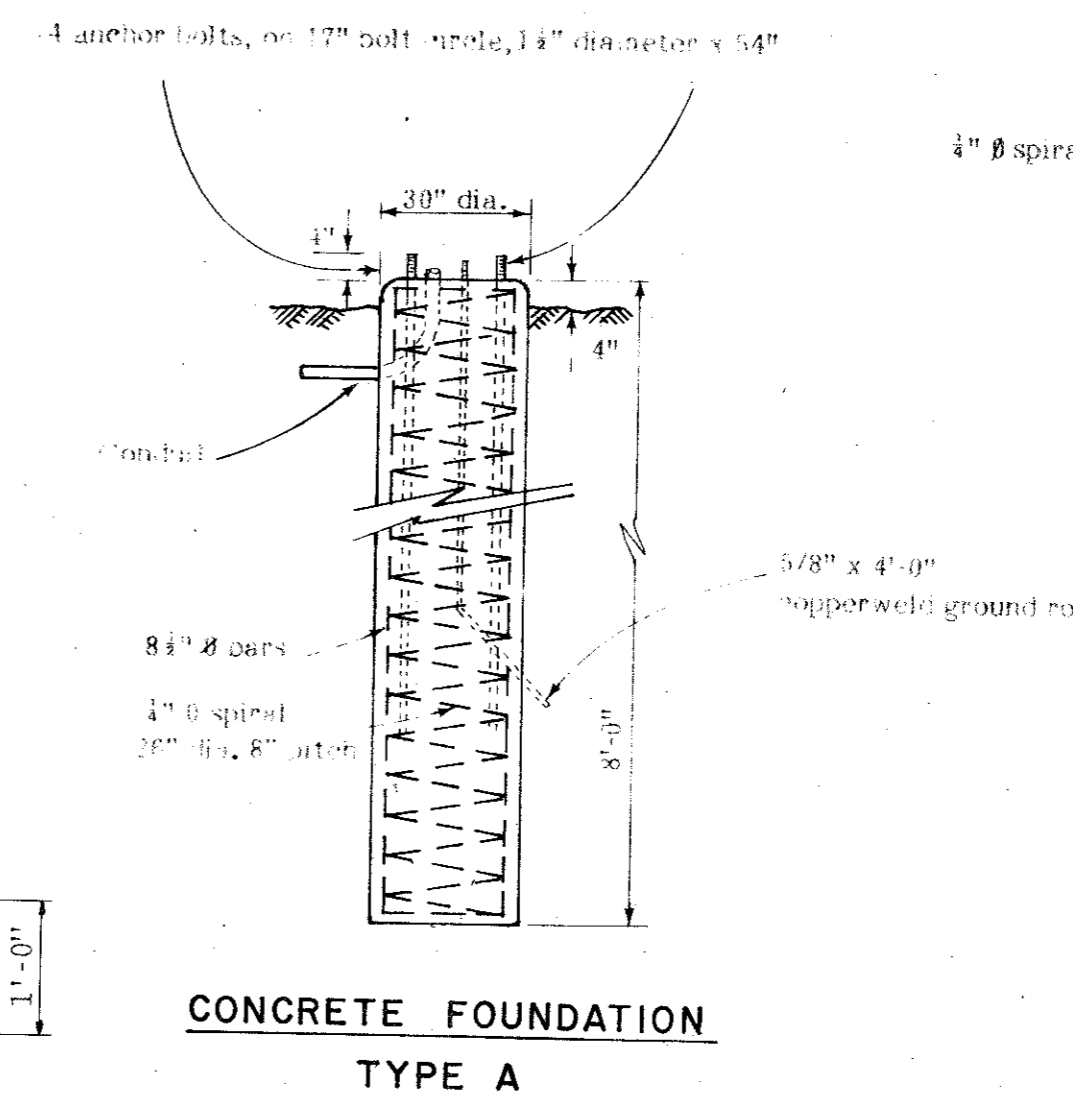
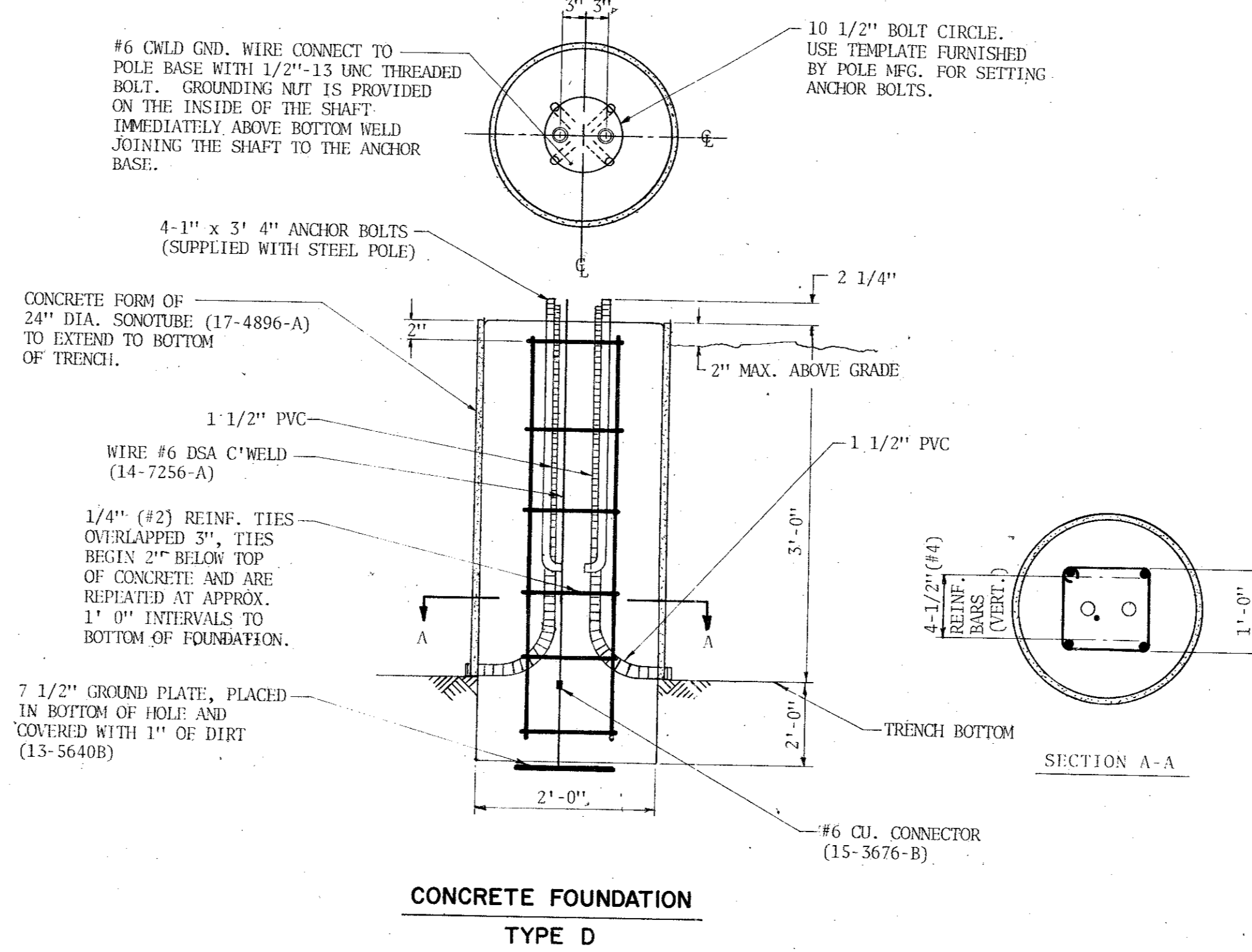


SPLICE BOLT NUT

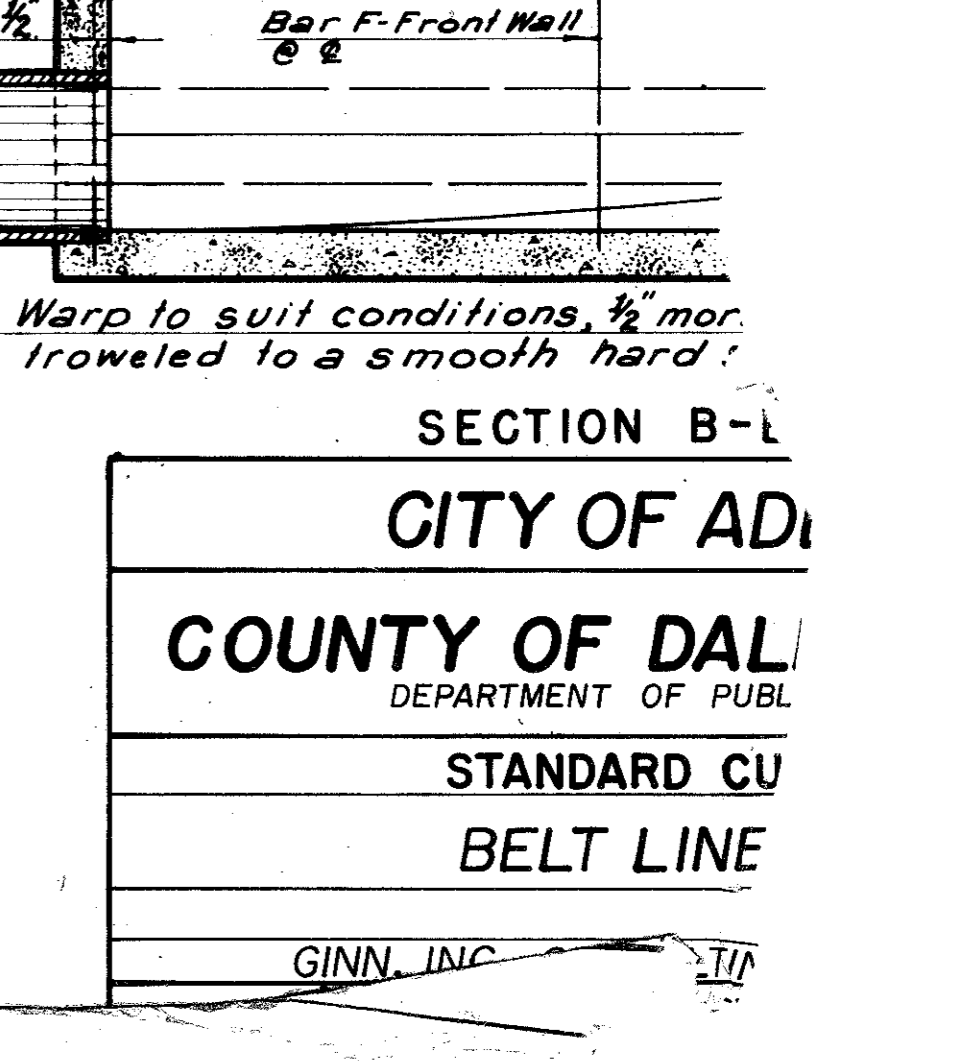
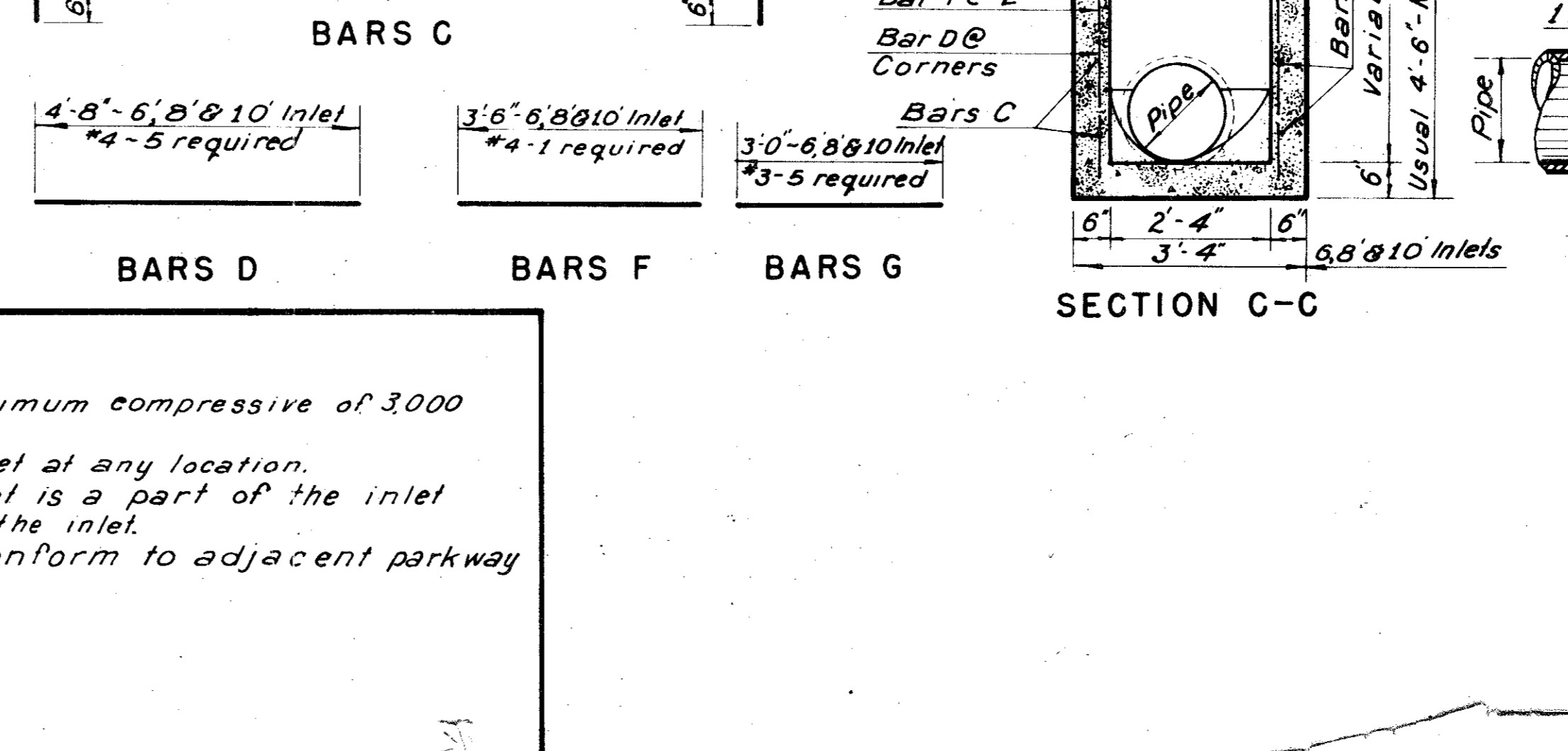
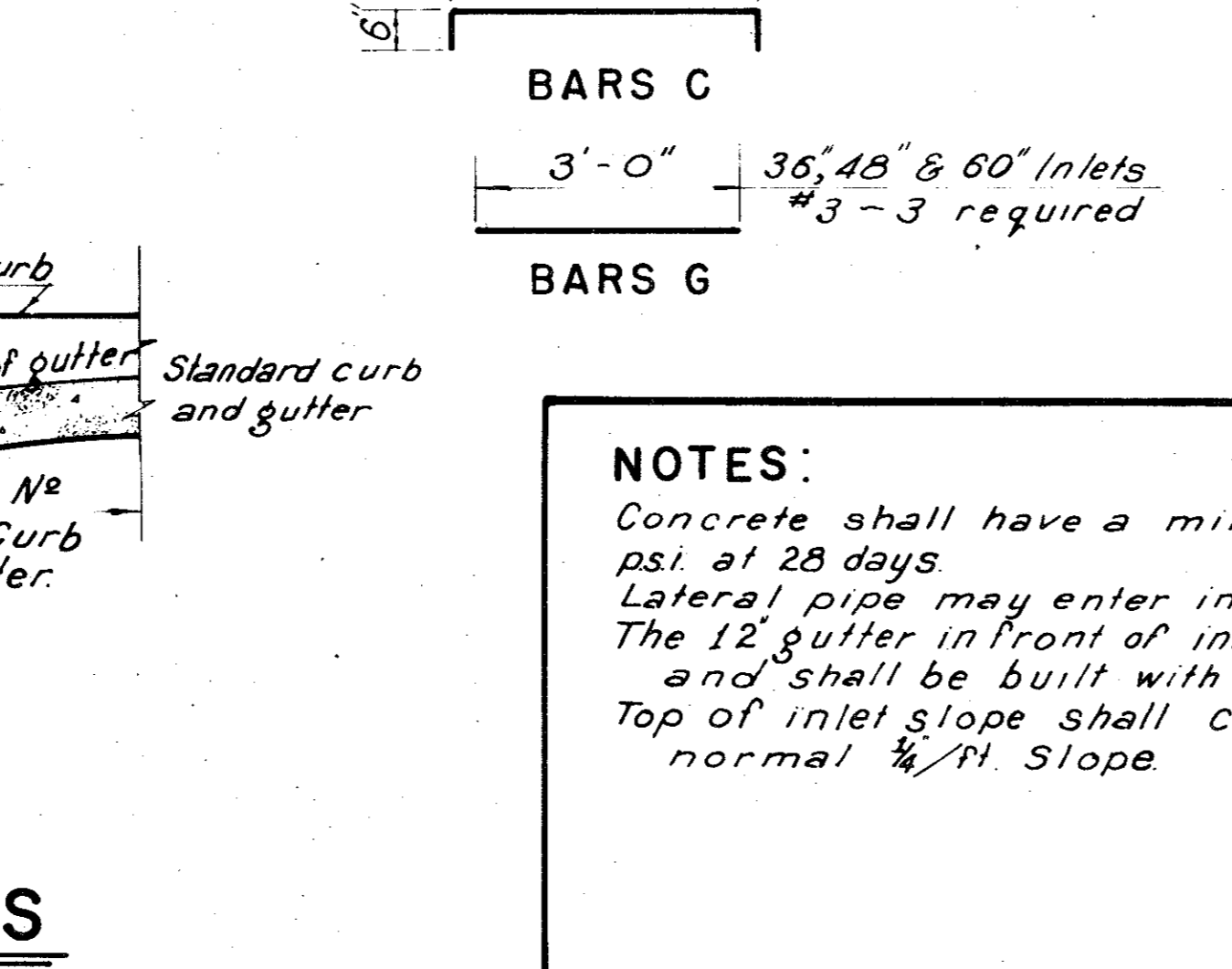
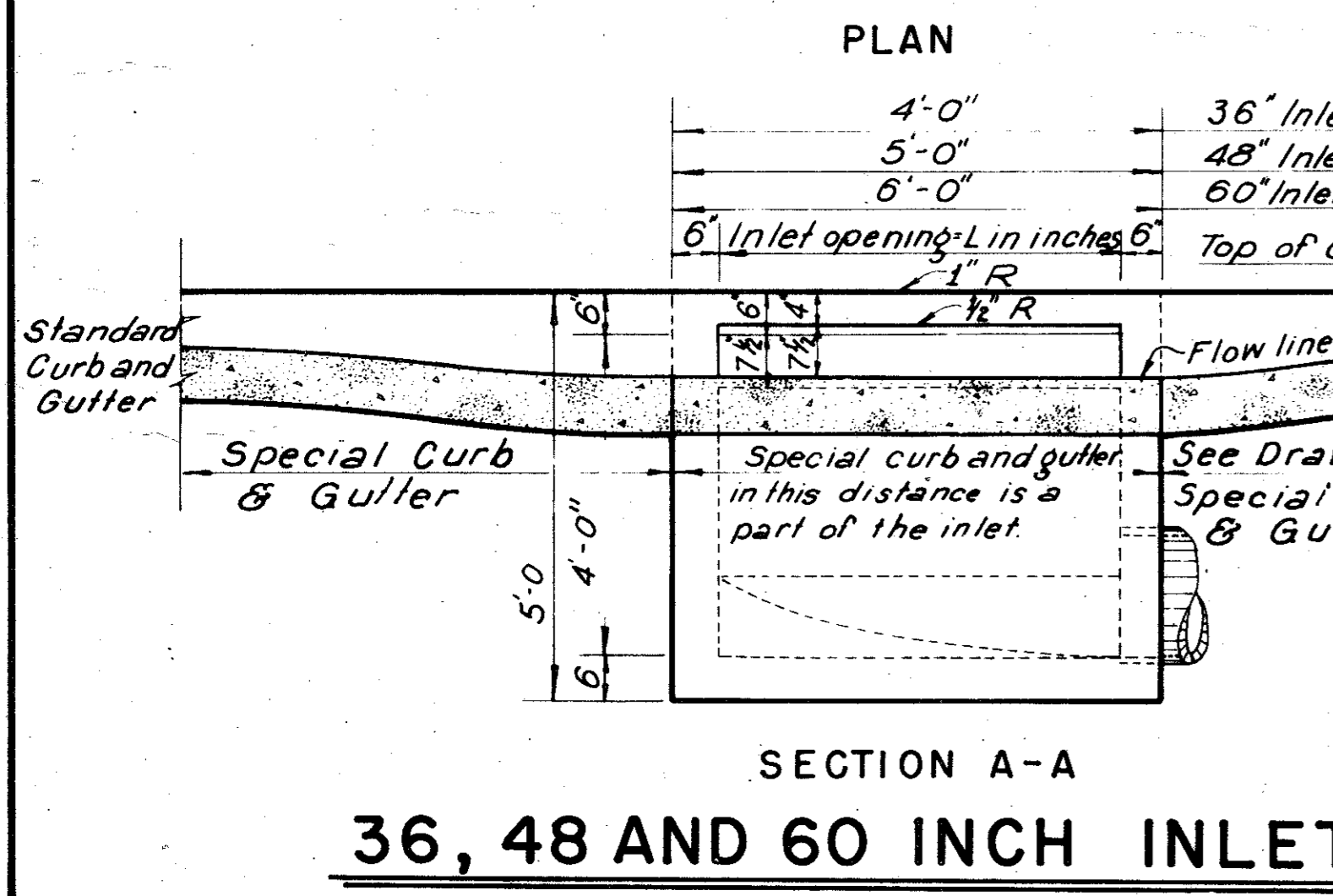
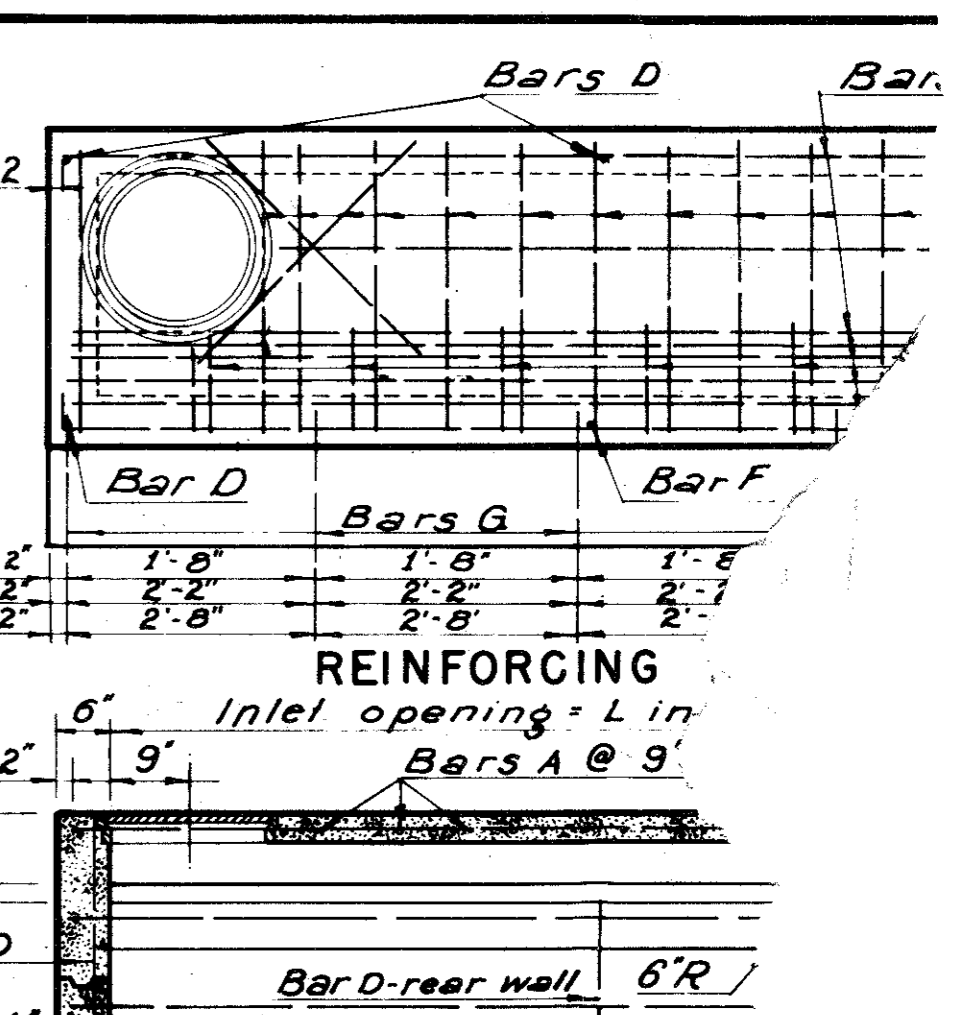
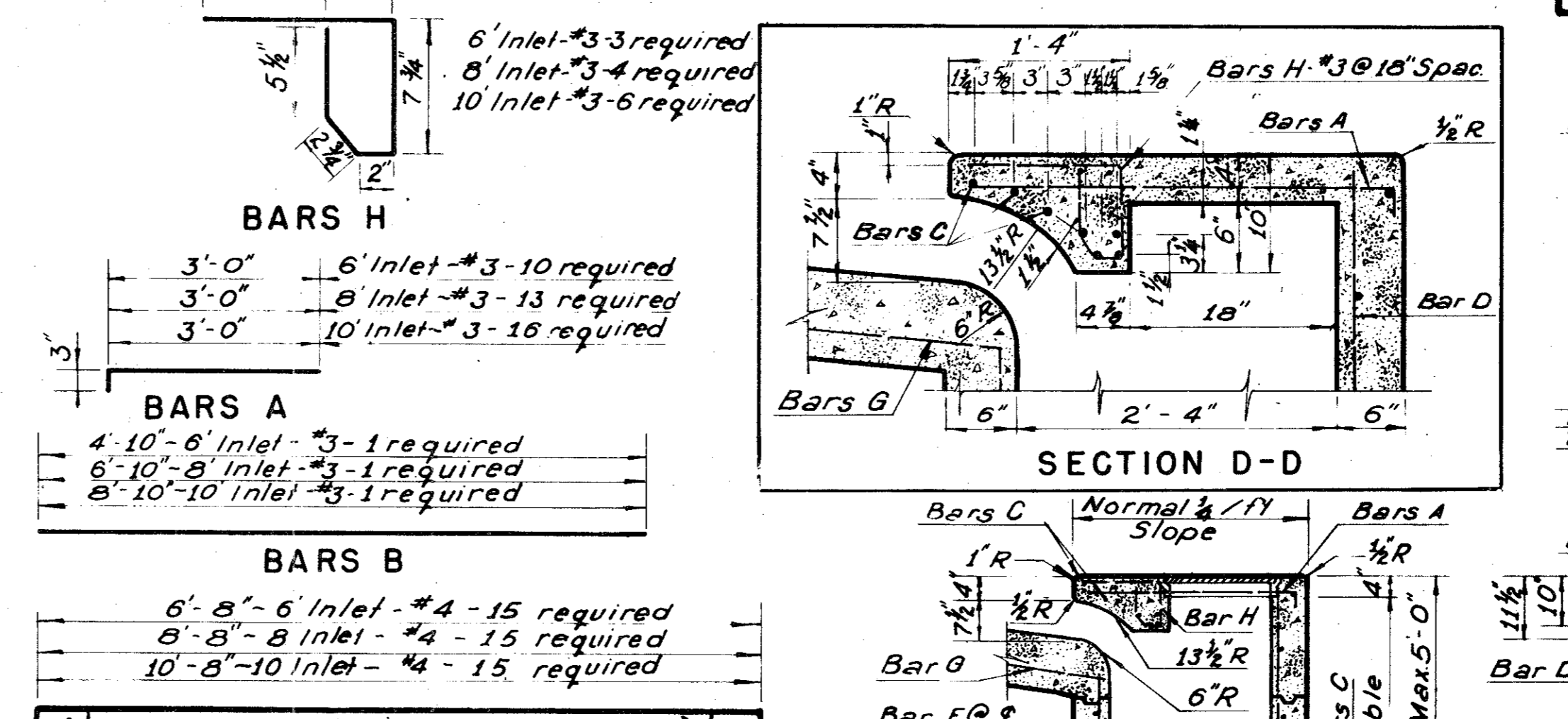
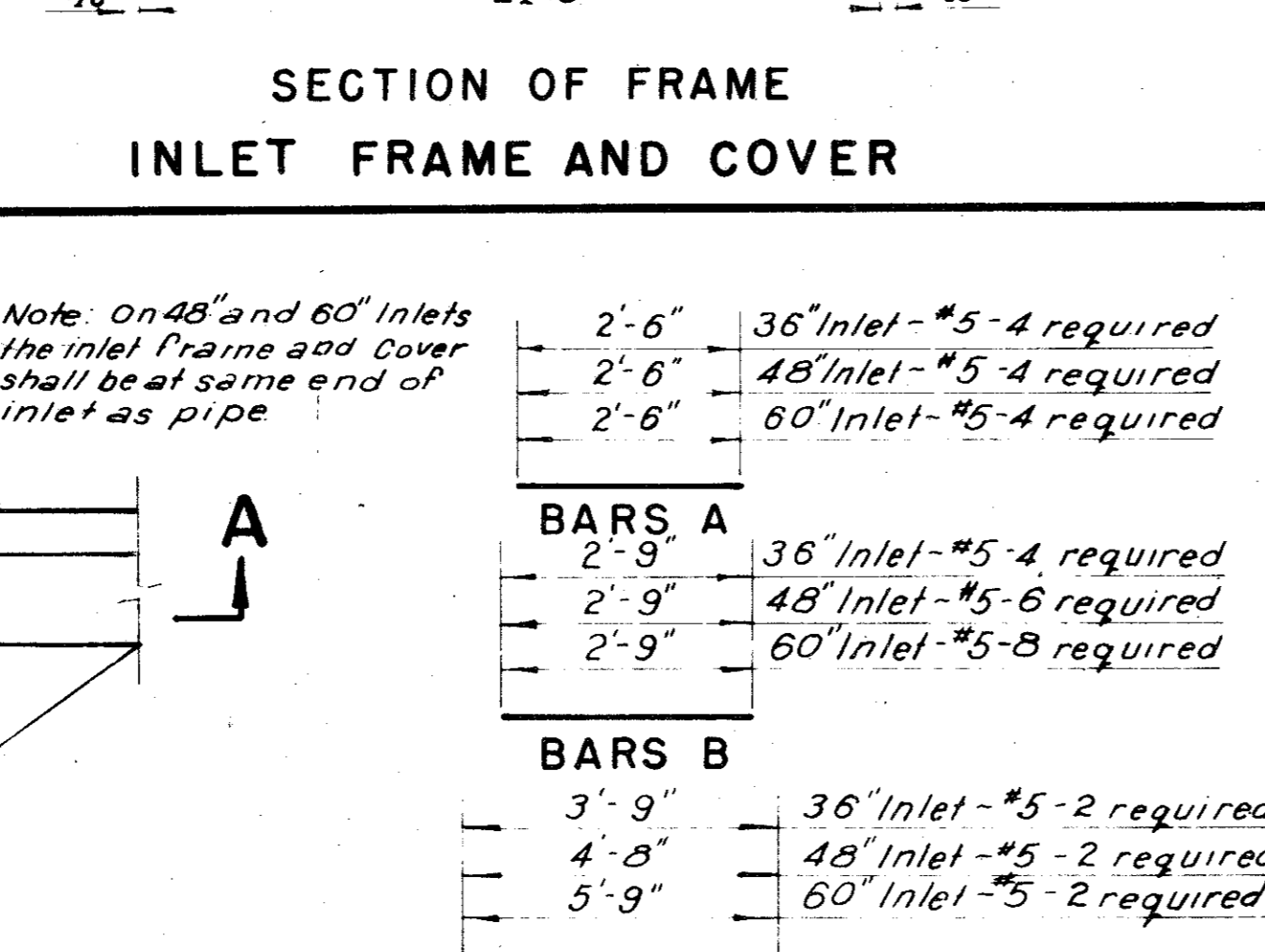
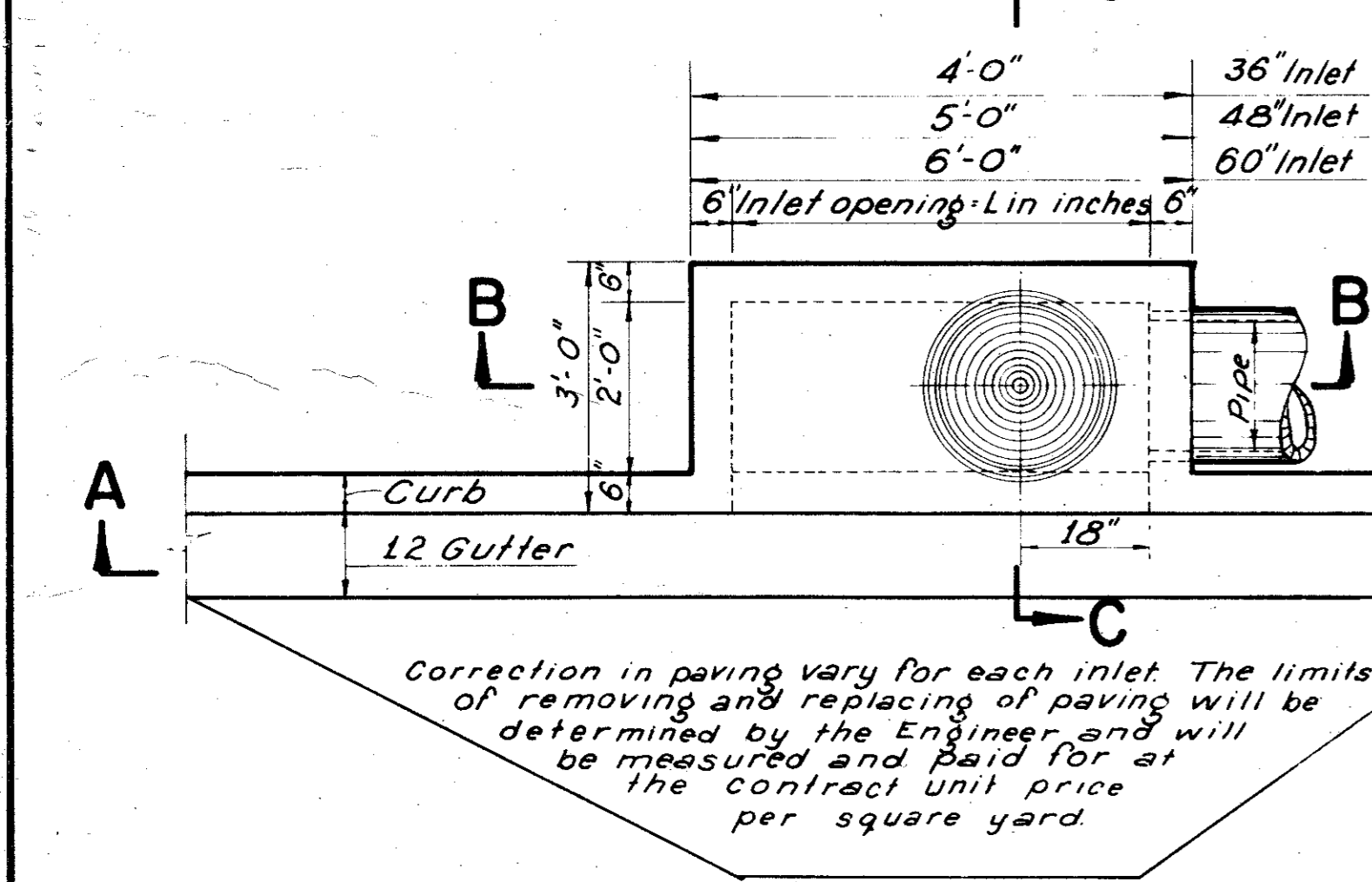
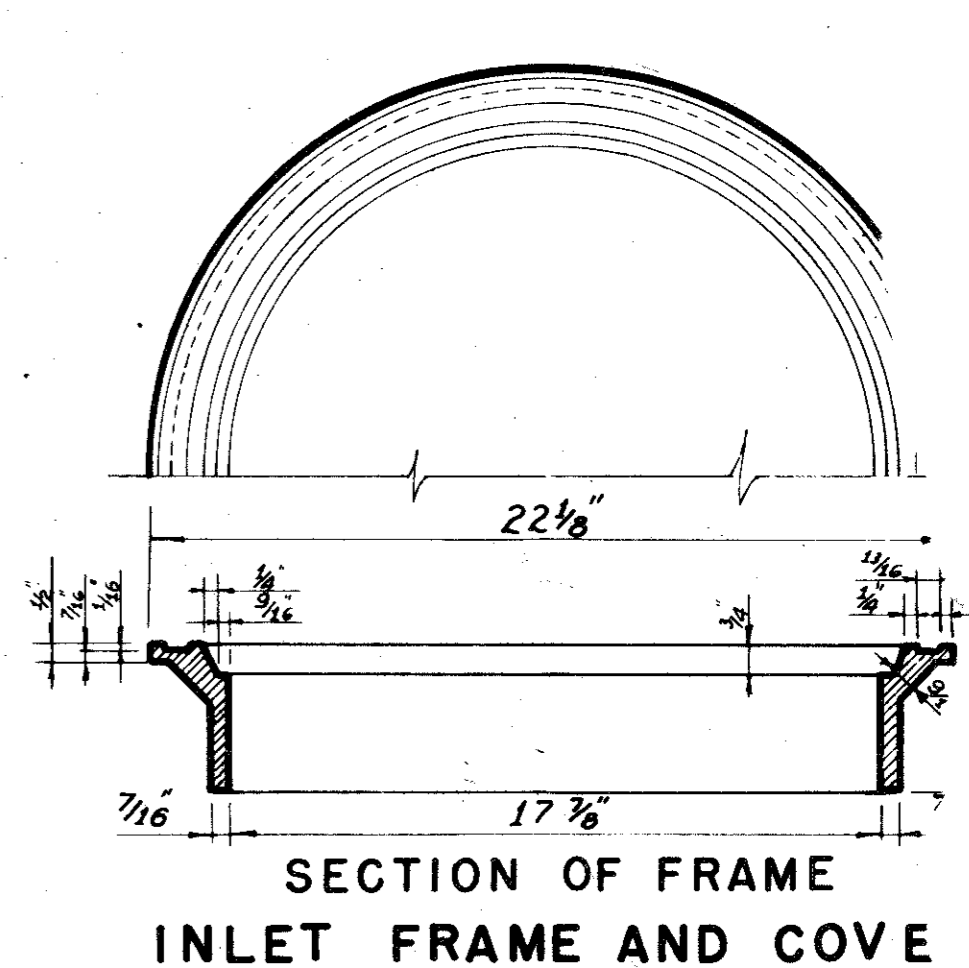
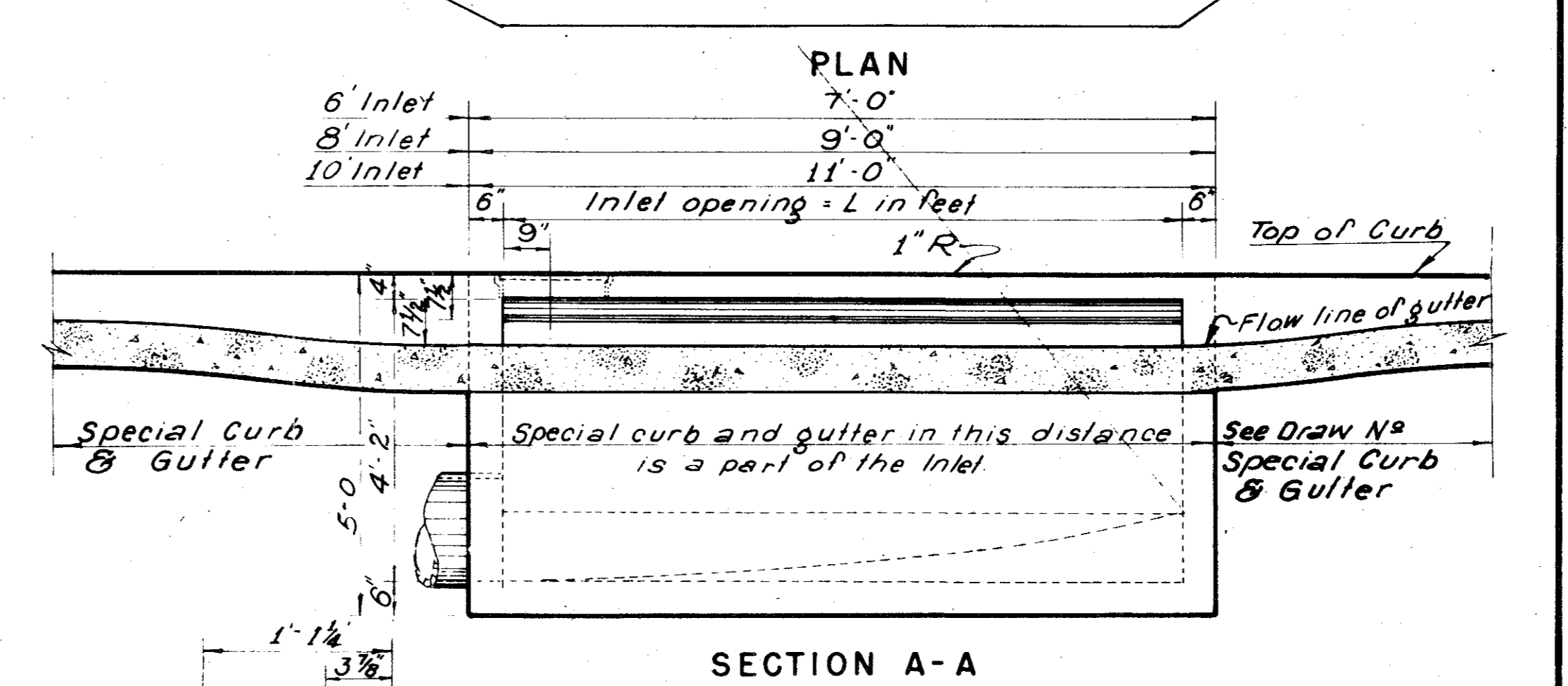
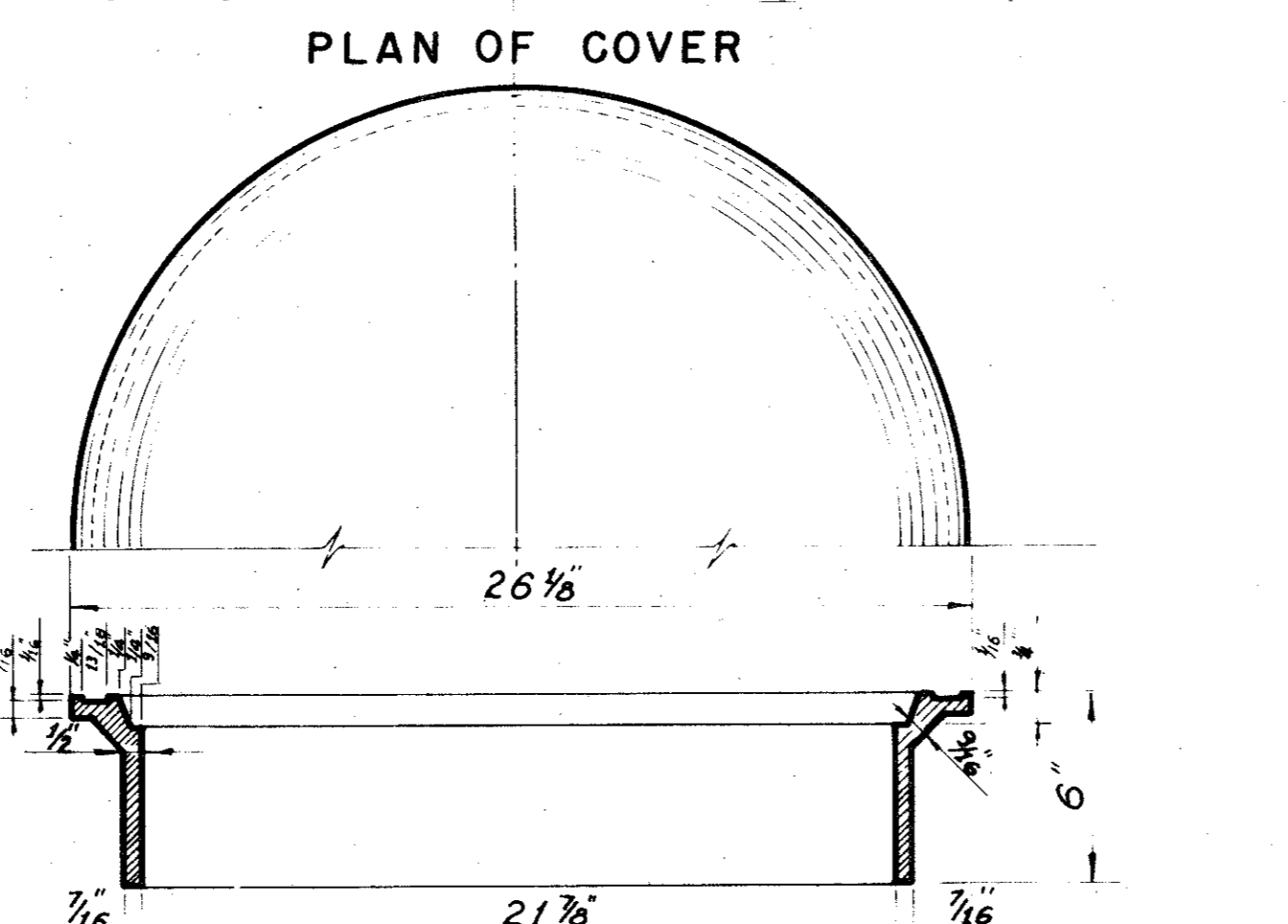
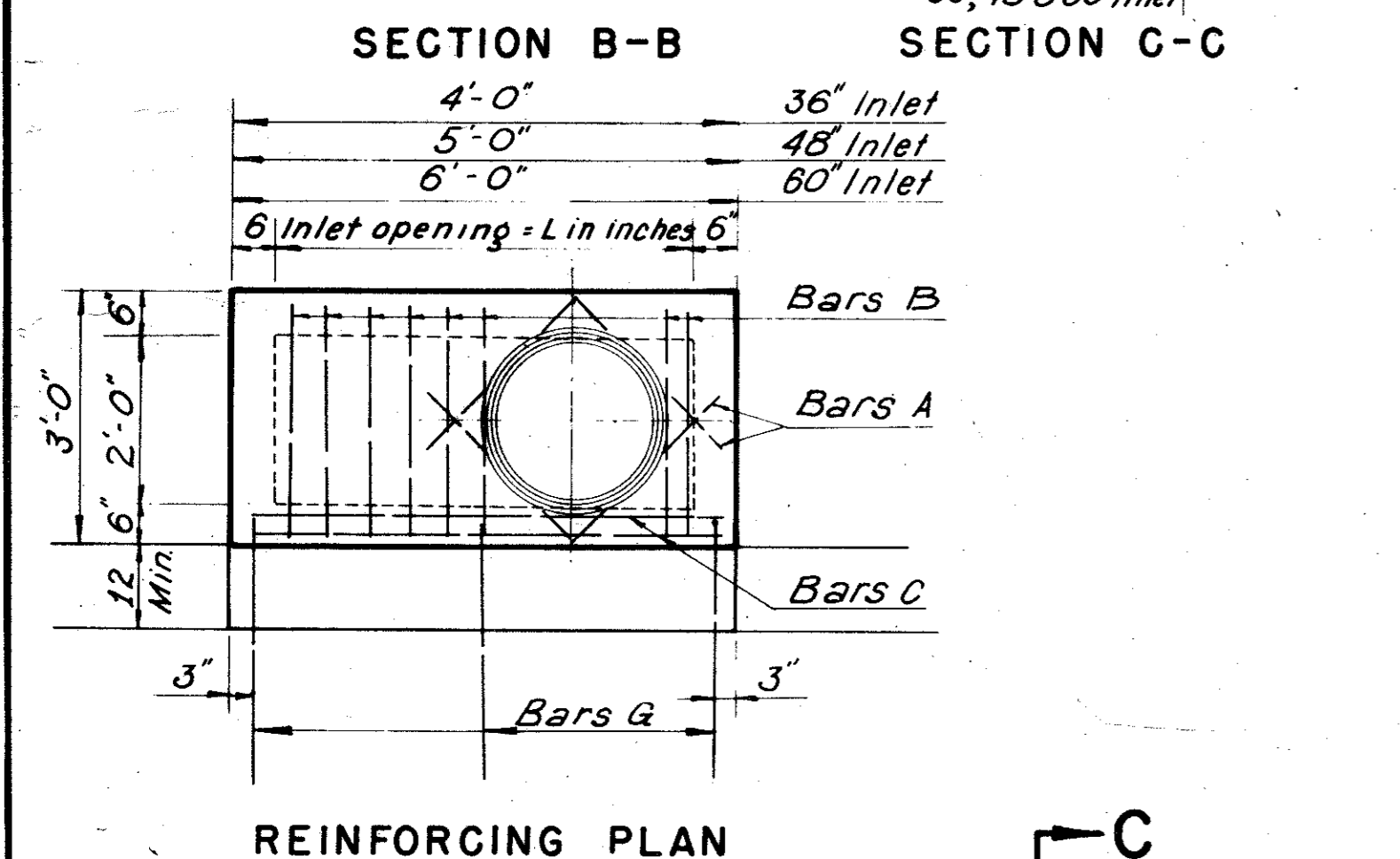
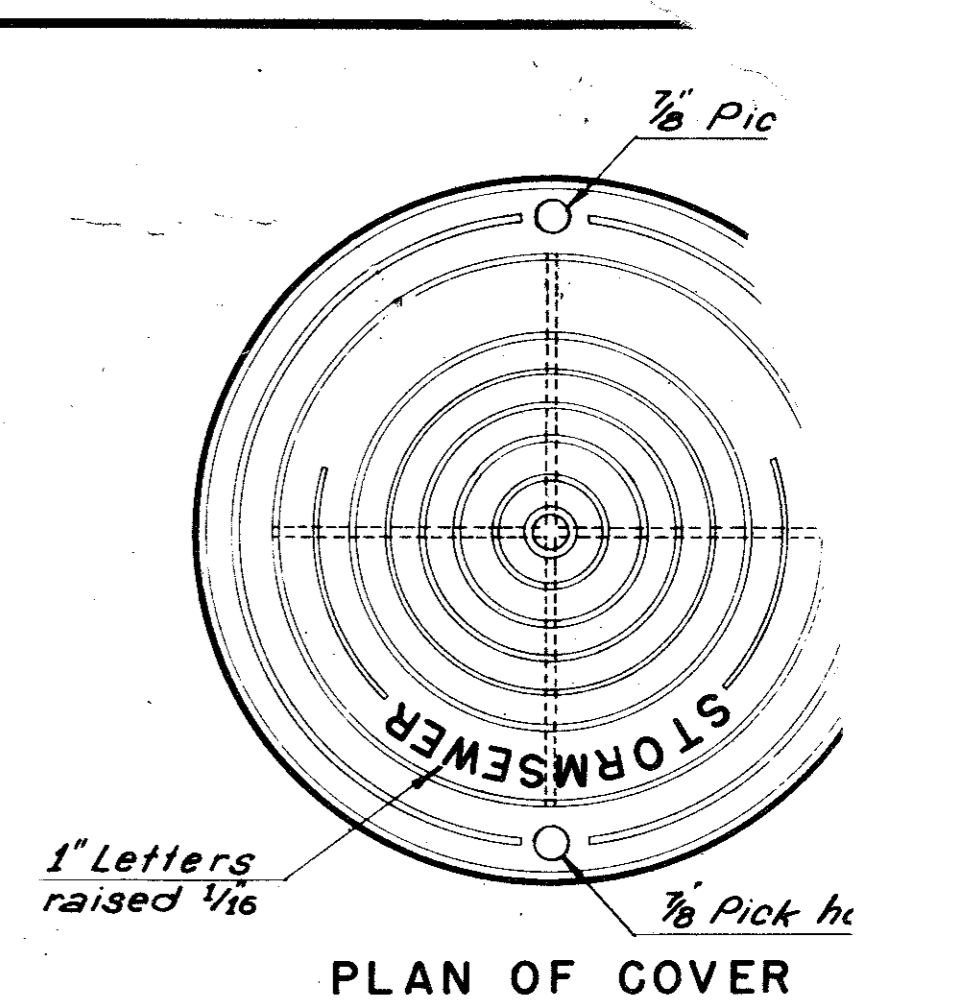
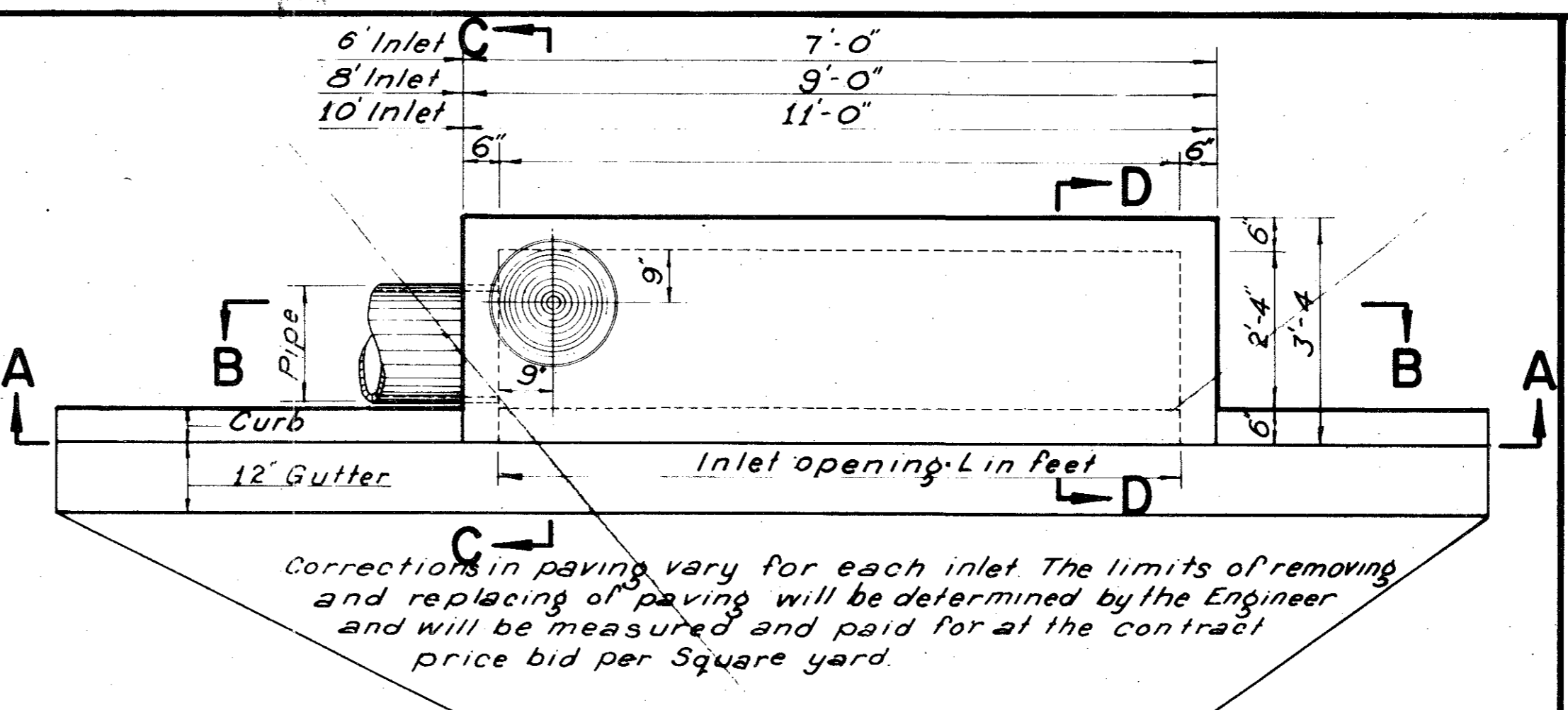
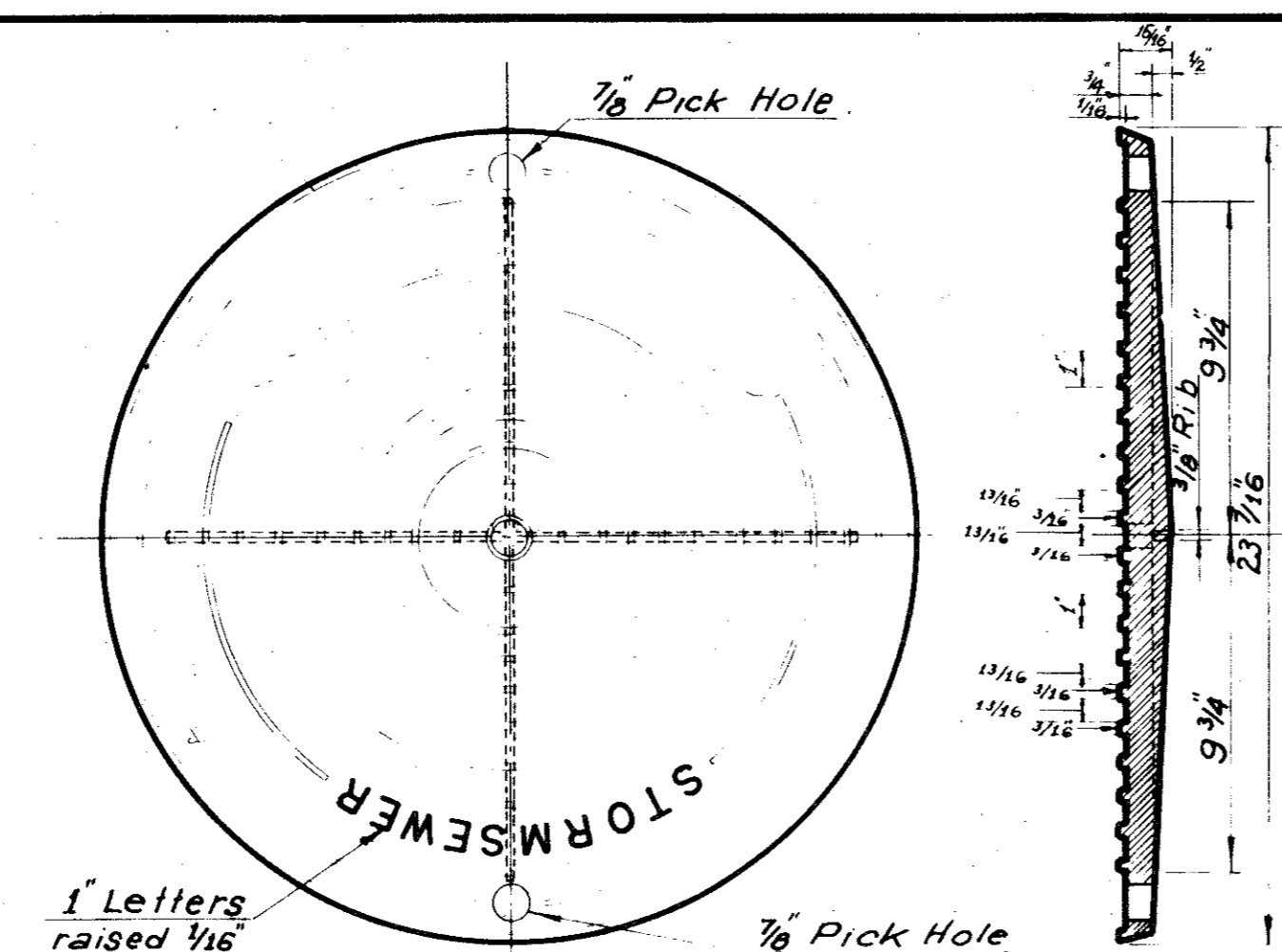
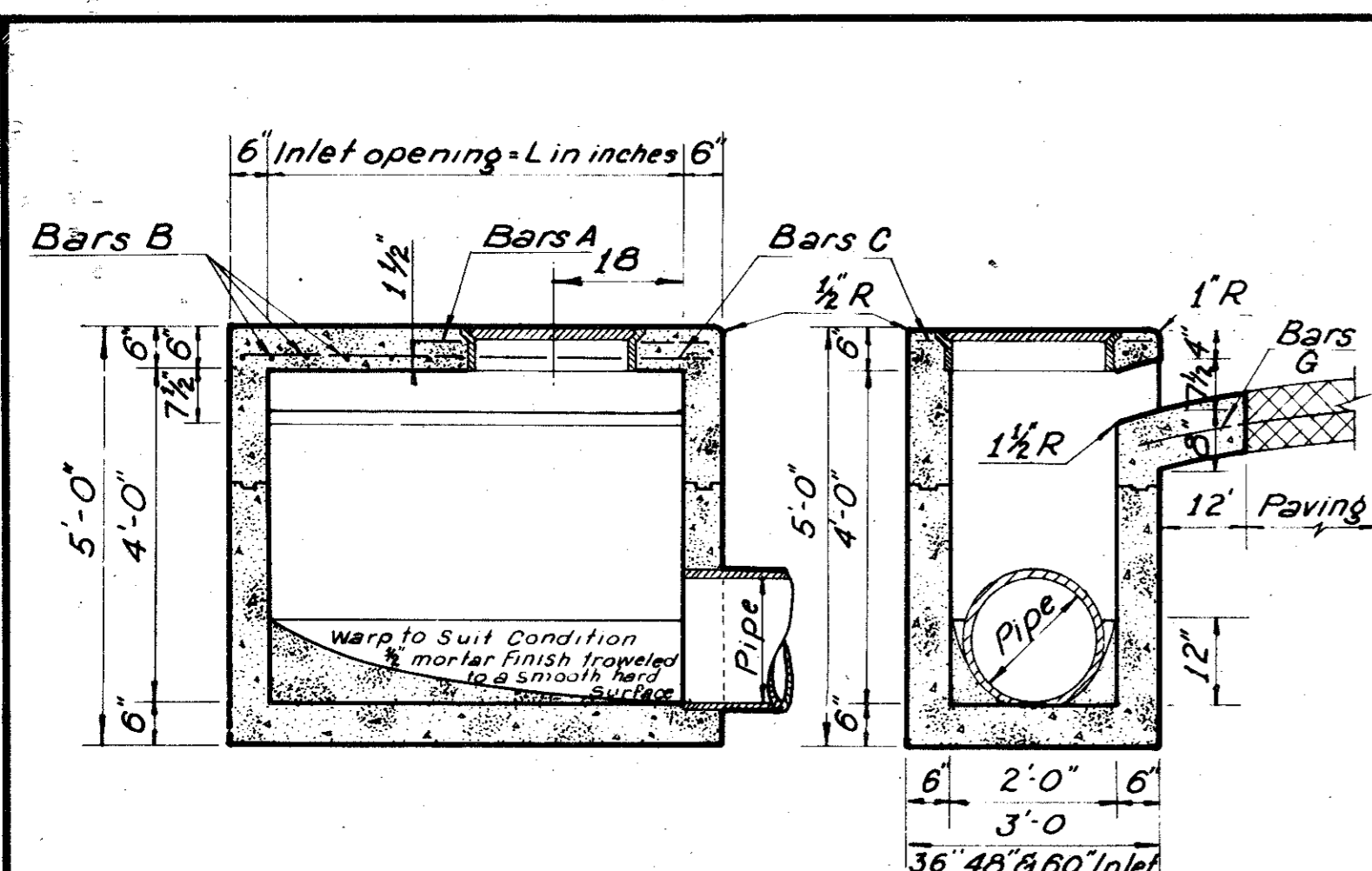
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCE

DEEP BEAM HIGHWAY GUARD RAIL

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



CITY OF ADRIAN
COUNTY OF DA
 DEPARTMENT OF PU
CONDUIT AND FOUNDATION BELT LINE
 GINN, INC., CONSULTANTS
 DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1981
 APPROVED - H.W.G. CHECKED - B.H. SCALE - NO. 1



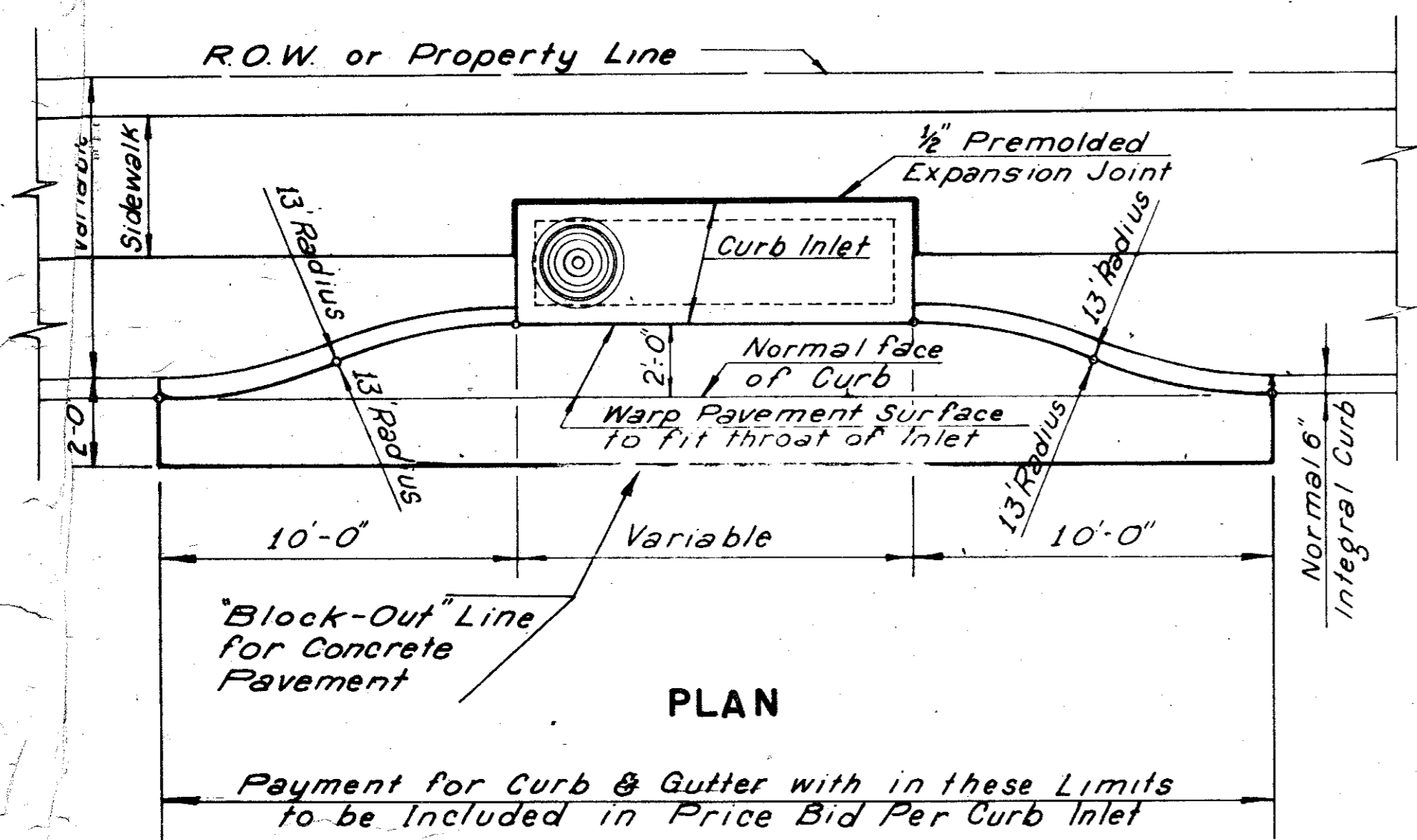
2'-6"	36" Inlet - #5-4 required
2'-6"	48" Inlet - #5-4 required
2'-6"	60" Inlet - #5-4 required
BARS A	
2'-9"	36" Inlet - #5-4 required
2'-9"	48" Inlet - #5-6 required
2'-9"	60" Inlet - #5-8 required
BARS B	
3'-9"	36" Inlet - #5-2 required
4'-8"	48" Inlet - #5-2 required
5'-9"	60" Inlet - #5-2 required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

3'-0"	6" Inlet - #3-10 required
3'-0"	8" Inlet - #3-13 required
3'-0"	10" Inlet - #3-16 required
BARS A	
4'-10"	6" Inlet - #3-1 required
6'-10"	8" Inlet - #3-1 required
8'-10"	10" Inlet - #3-1 required
BARS B	
6'-8"	6" Inlet - #4-15 required
8'-8"	8" Inlet - #4-15 required
10'-8"	10" Inlet - #4-15 required
BARS C	
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
BARS D	
BARS F	
BARS G	

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.

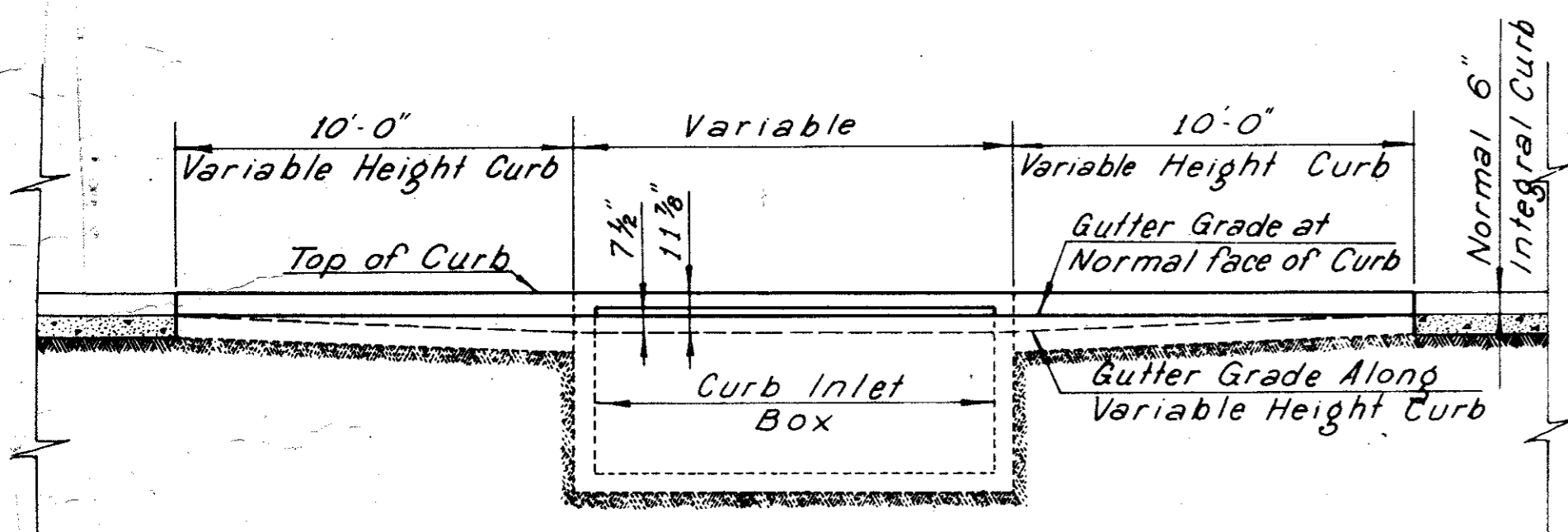
CITY OF ADI
 COUNTY OF DAL
 DEPARTMENT OF PUBL
 STANDARD CU
 BELT LINE
 GINN, INC

36, 48 AND 60 INCH INLETS

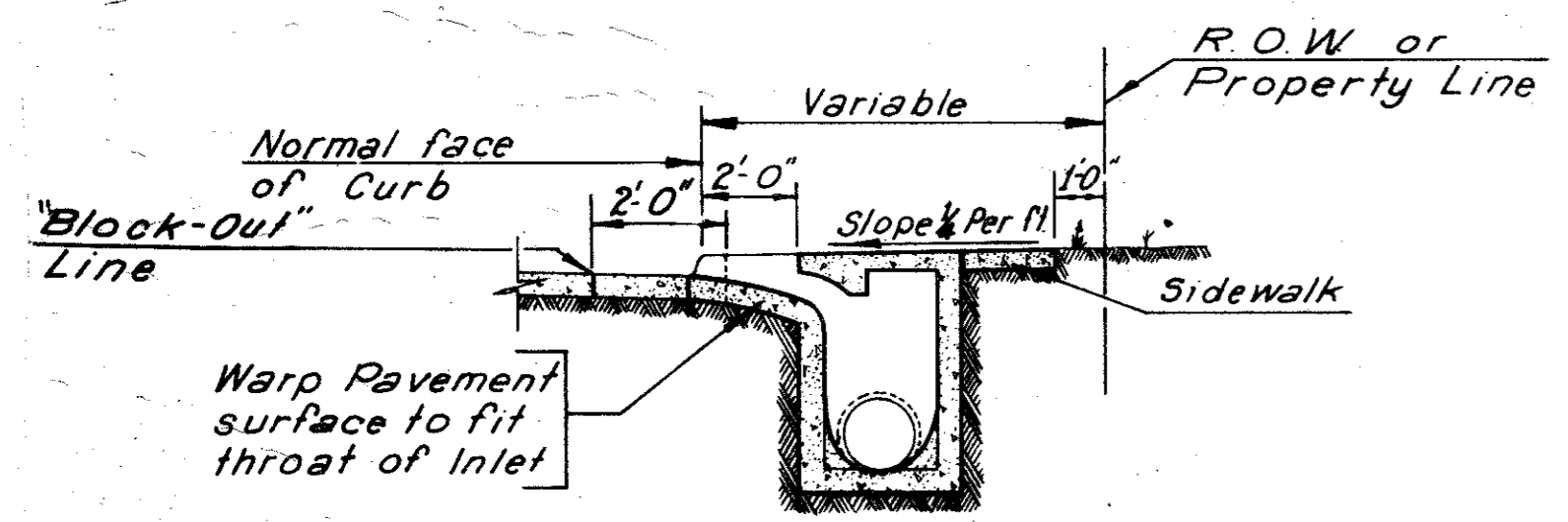


PLAN

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



ELEVATION



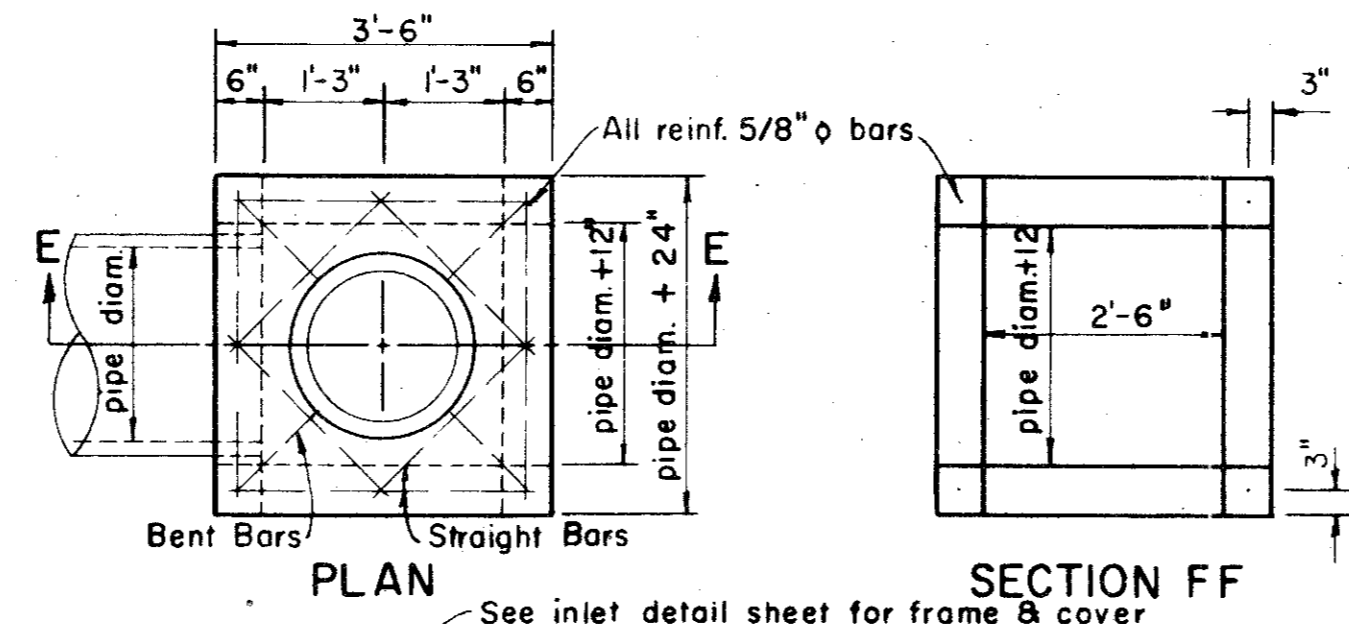
SECTION A-A

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

RECESSED STORM SEWER CURB INLET

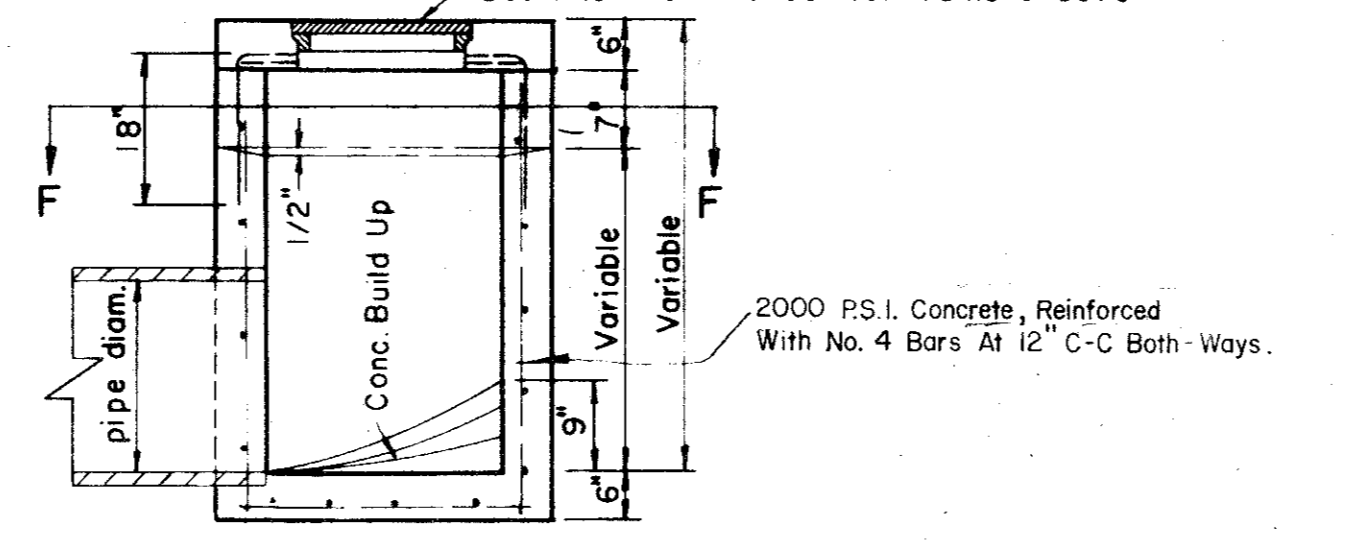
SCALE: 1/4" = 1'-0"

"Y" TYPE INLET



PLAN

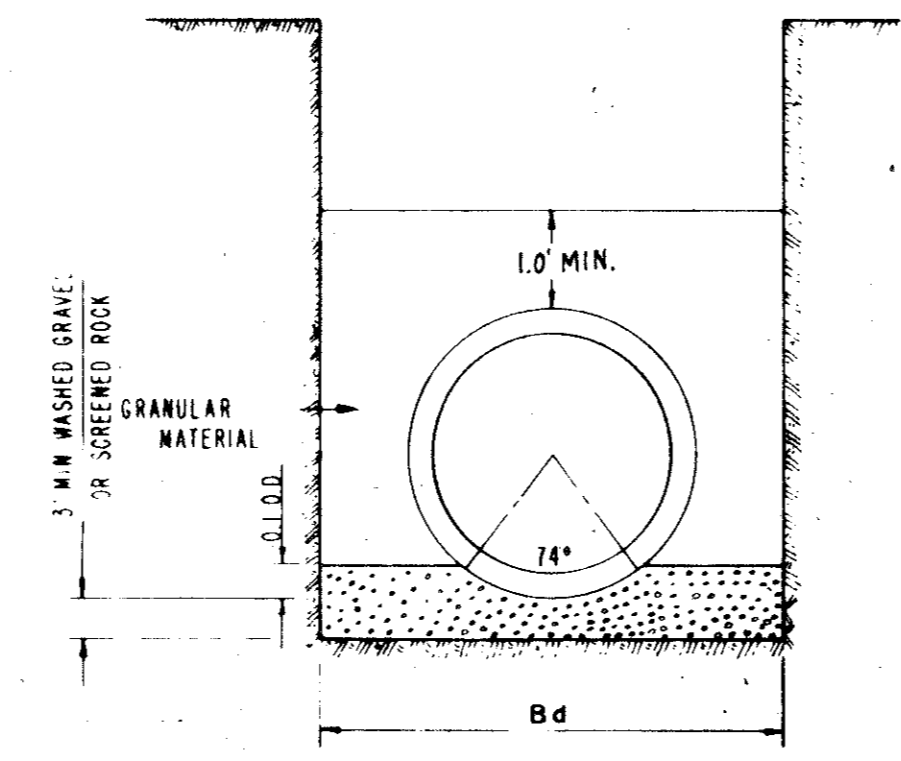
SECTION FF



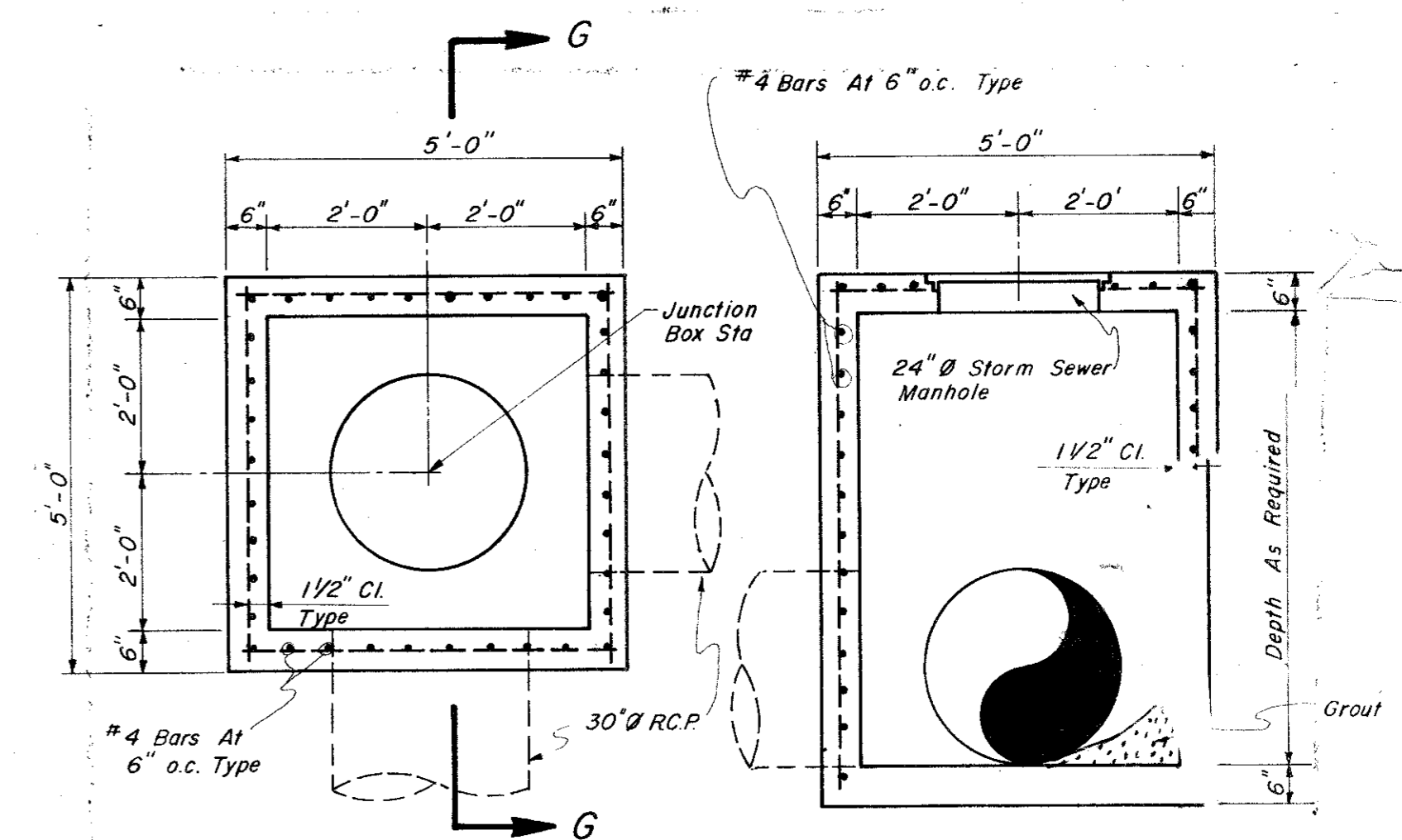
SECTION EE

2000 P.S.I. Concrete, Reinforced With No. 4 Bars At 12" C-C Both Ways.

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



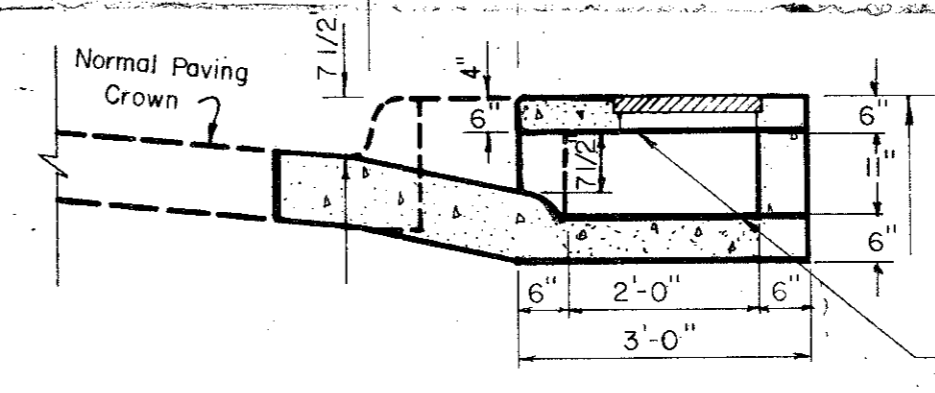
STORM SEWER EMBEDMENT



PLAN

SECTION "G-G"

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

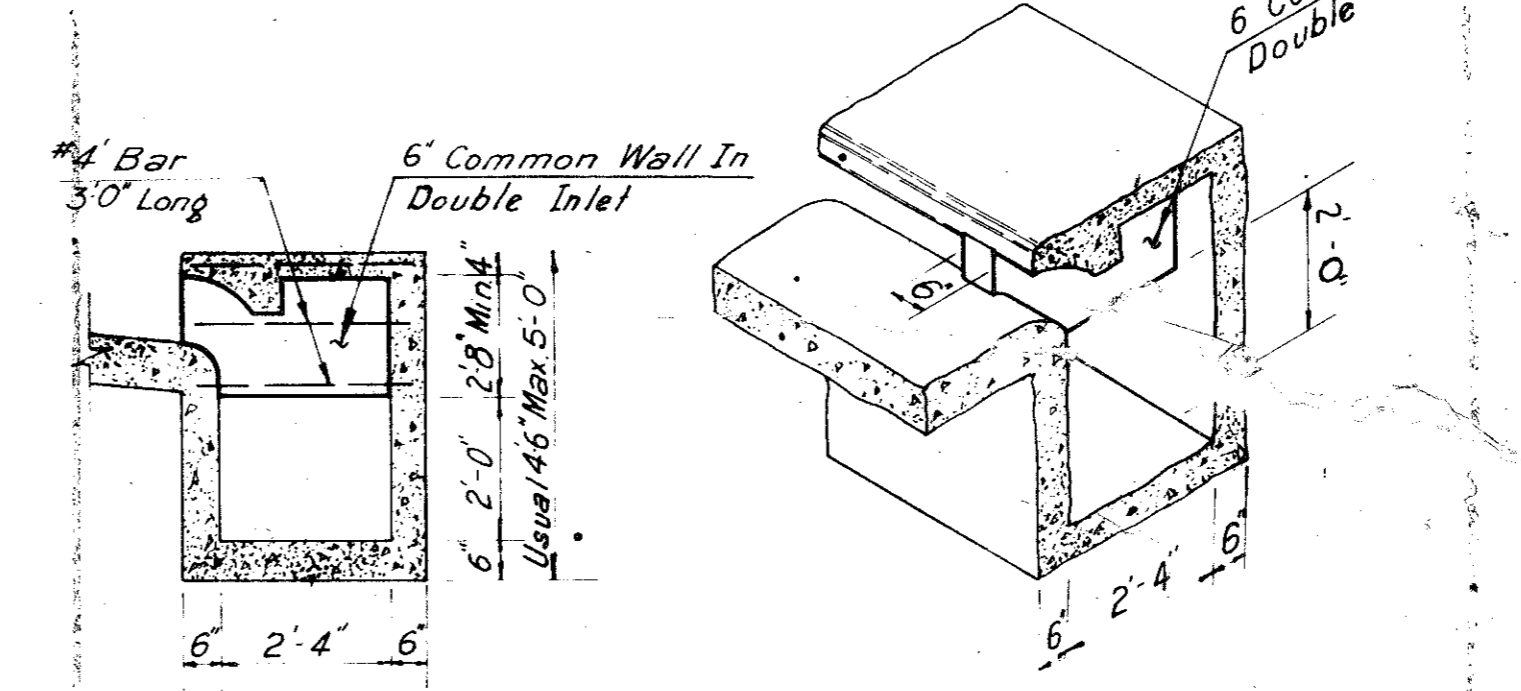


SECTION A-A

Top And Bottom To Be Constructed Of Same Steel And Steel Placement As 6' T.H.D., S.C.N.A. Box Culvert

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"

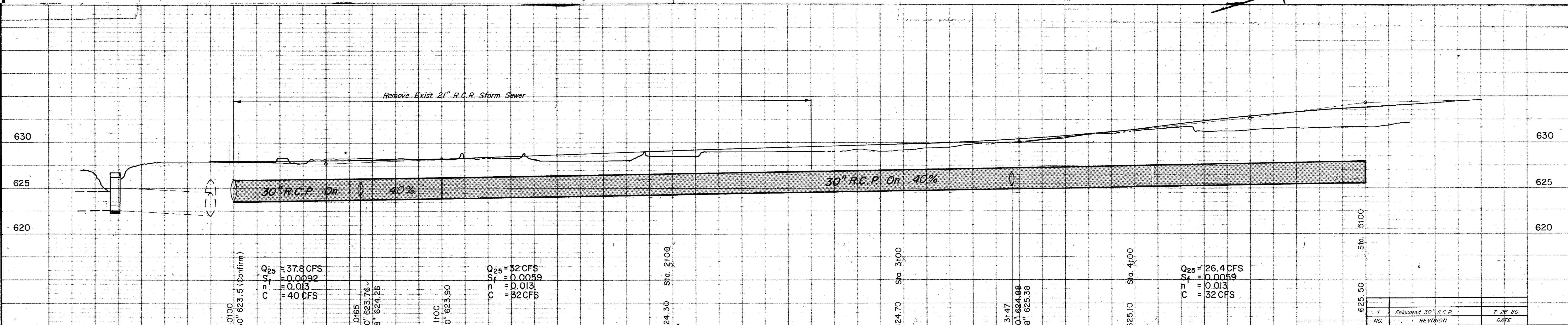
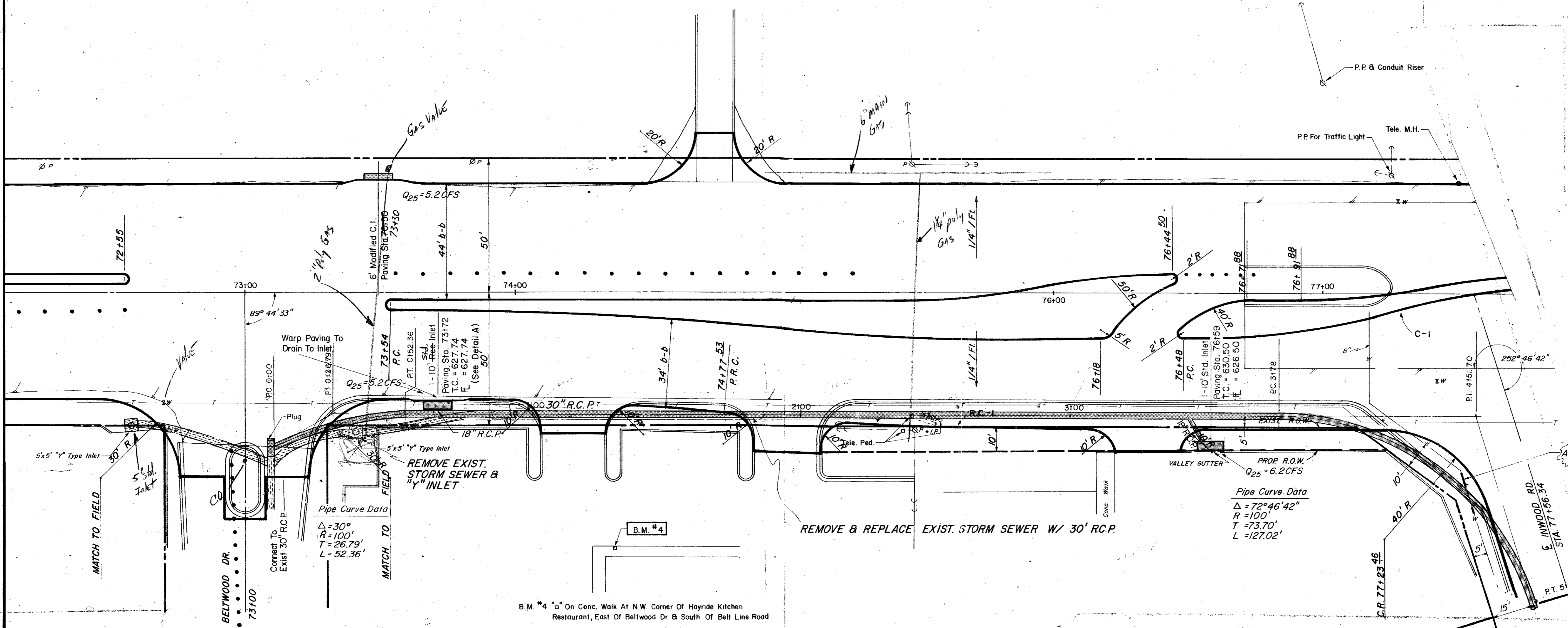
ISOMETRIC DETAIL Scale: 3/8" = 1'-0"

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.	1.0
453.2	30" R.C.P. C.I. III	L.F.	52.0
477.2	10' Rec. Inlet compl. in pl.	EA	1.0
478.4	10' Standard C.I.	EA	1.0
479.4	Adjust 8" Water Line	L.F.	15.0

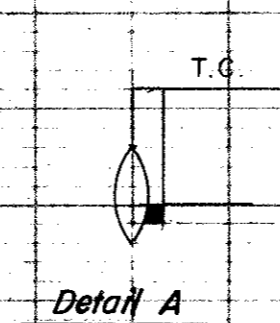
LEGEND	
□	Blank Mark
○	Iron Pin
⊙	Monument
⊕	Gas Meter
⊕	Gas Valve
⊕	Gas Line
⊕	Power Pole (Typical Pole Symbol)
⊕	Power Line
⊕	Guy Wire Anchor
⊕	Telephone Line
⊕	Water Meter
⊕	Water Valve
⊕	Water Line
⊕	Fire Hydrant
⊕	Manhole
⊕	Sanitary Sewer Line
⊕	Fence Line
⊕	Flow Direction Indicator
⊕	Property or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

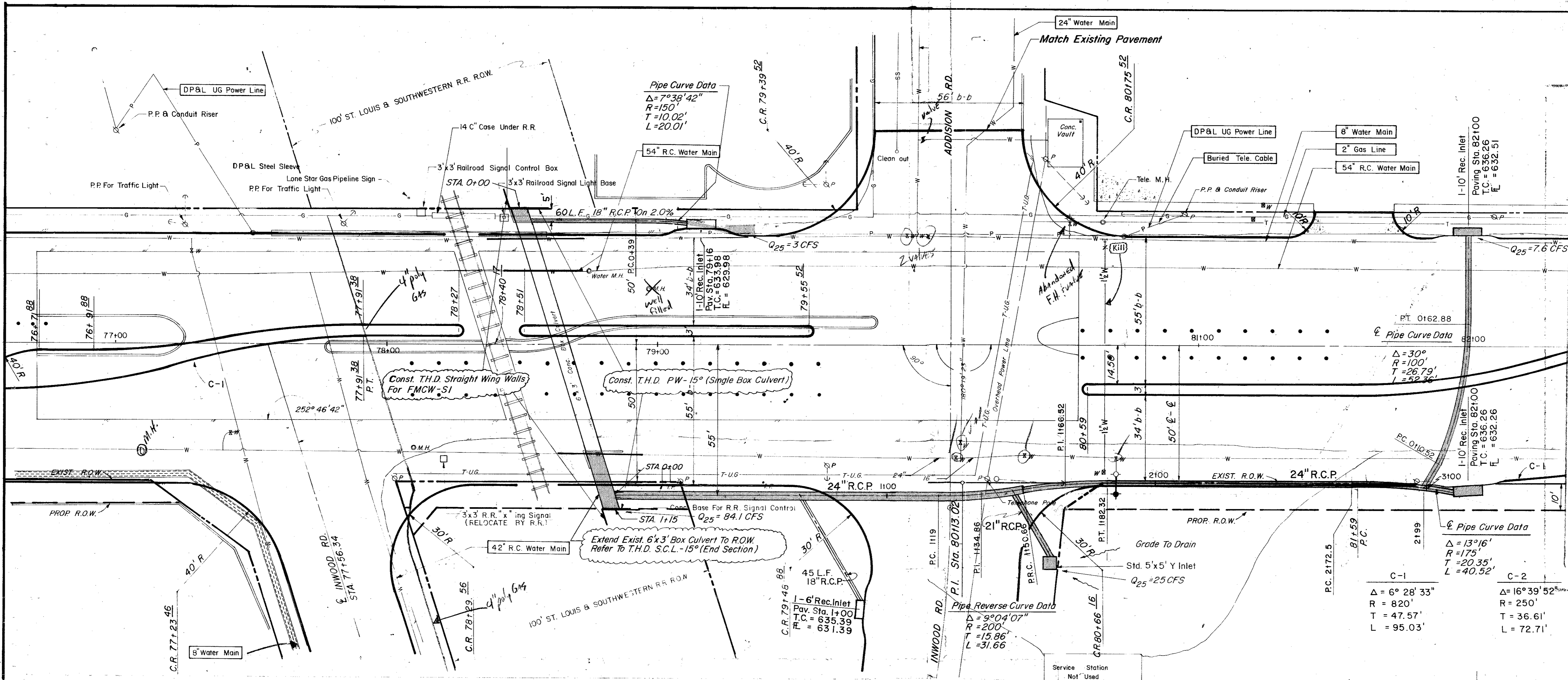


CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

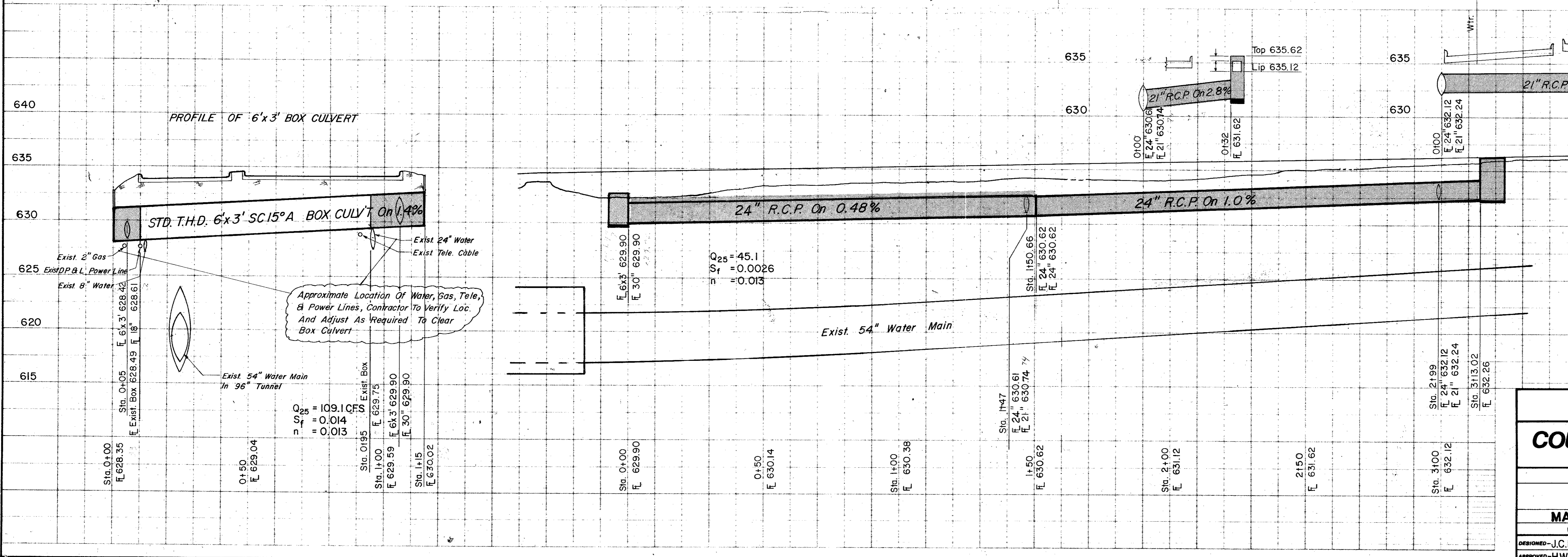
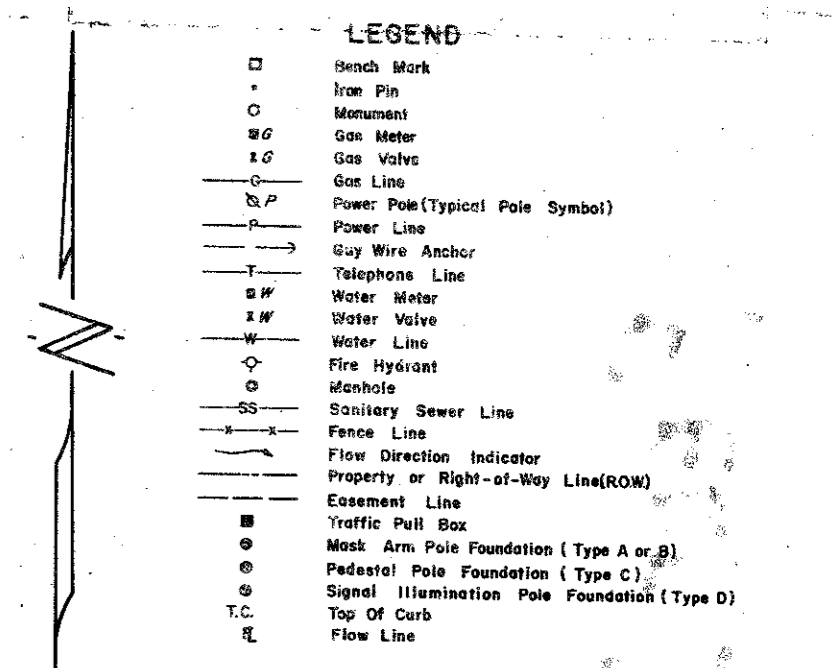
DRAINAGE STA. 72100 - 78100
BELT LINE ROAD
MARSH LN. TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

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





ITEM	DESCRIPTION	UNIT	QUANTITY
421.0	Cl. A Conc. - 14" Ringwall	CY	15.3
430	Extend 6x3 Box (Conc.)	CY	17.3
440.0	Reinf. Steel - Ringwall	LBS	479.0
440.4	Reinf. Steel - Box Culvert	LBS	2085.0
465.1	18" RCP - CI III	LF	73.0
465.2	21" RCP - CI III	LF	99.0
465.3	24" RCP - CI III	LF	165.0
465.4	30" RCP - CI III	LF	149.0
	Std 5'x5' Y Inlet	EA	1.0



NO.	REVISION	DATE
1	Relocated Stm. Swr.	7-28-80

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